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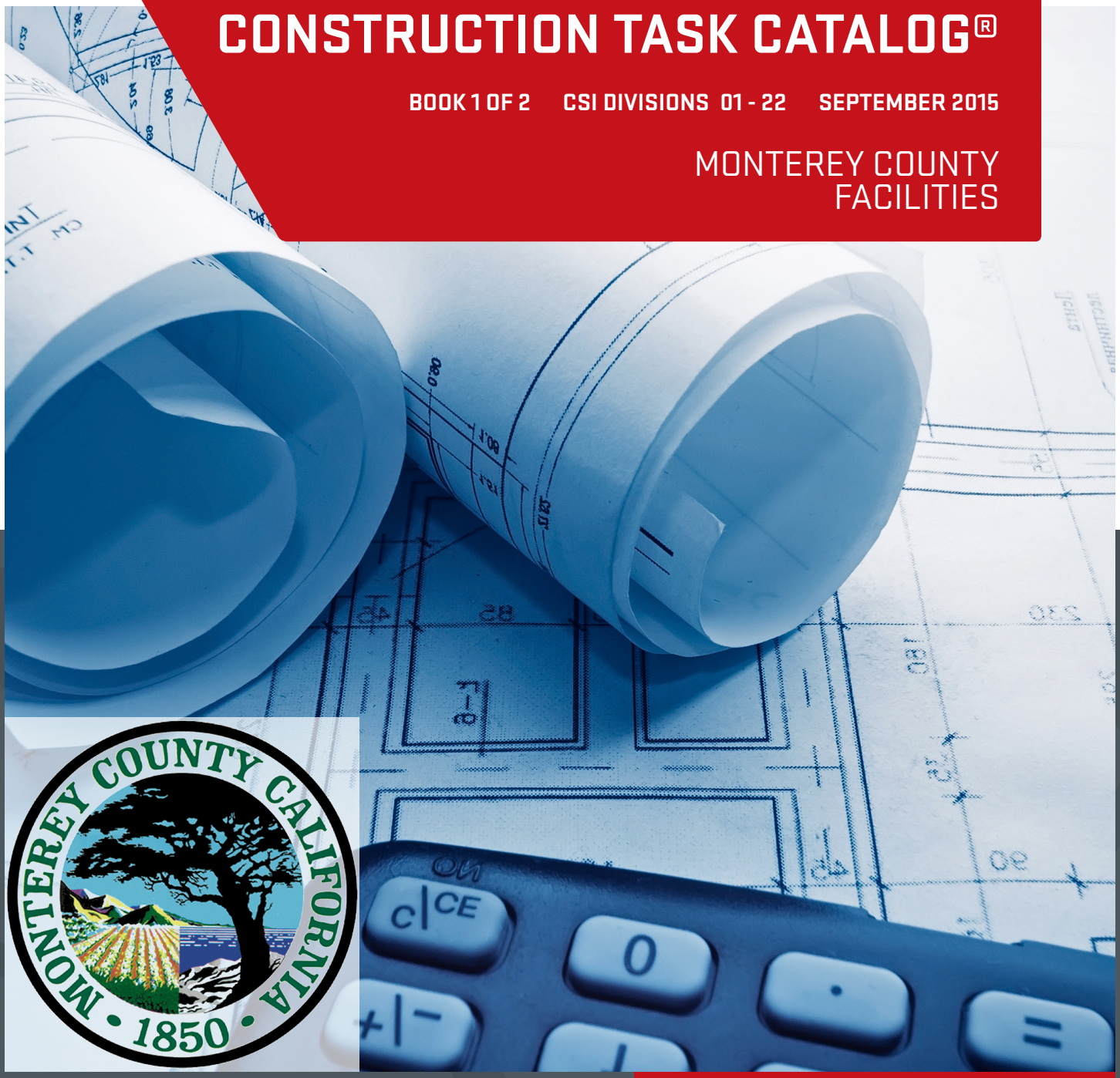
JOB ORDER CONTRACT
CONSTRUCTION TASK CATALOG®

BOOK 1 OF 2 CSI DIVISIONS 01 - 22 SEPTEMBER 2015

MONTEREY COUNTY FACILITIES



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CTC Information:

- ☑ This Construction Task Catalog® was developed and customized by The Gordian Group, Inc. specifically for **Monterey County**, priced locally using current labor, material and equipment costs, and published in September 2015.
- ☑ The Gordian Group, Inc. licenses the use of this CTC and other proprietary information and software for the sole purpose of providing Job Order Contracting services to **Monterey County**. Use of The Gordian Group's CTC and other proprietary information and software for any other purpose or any other entity is expressly prohibited without the express written consent of The Gordian Group, Inc.

MasterFormat™

- ☑ The tasks in this Construction Task Catalog are organized using CSI's *MasterFormat*.

CSI Building Knowledge Improving Project Delivery

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The Unit Prices Include:

LABOR COSTS:

- ☑ Labor costs include unloading equipment, materials, and tools, and transporting the same up or down 2 1/2 stories and 125' to reach the project site; layout; measuring and cutting to fit; performing the task; disposal of excess material; and time for lunch and breaks.
- ☑ Labor costs include direct labor through the working foreperson level at straight-time prevailing wage rates including fringe benefits and an allowance for Social Security and Medicare taxes, worker's compensation, unemployment insurance and employee benefits.
- ☑ Labor costs are based on workers familiar with and skilled in the performance of the task following OSHA requirements.

EQUIPMENT COSTS:

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

MATERIAL COSTS:

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

Complete and In-Place Construction:

- ☑ Unit prices are for complete and in-place construction and include all labor, equipment and material required to complete the task as described in the CTC.
- ☑ If the Contractor uses a crane or other lifting equipment (except a truck mounted boom lift or other equipment as part of the delivery process) to lift material onto a roof, even if that roof is less than 2 ½ stories, the contractor will be paid for such crane or lifting equipment as a separate task.

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

Demolition:

- ☑ Unit prices for demolition include all labor, equipment and material required for the complete removal of the items; clean-up of the area; and transporting the demolished items up or down 2 ½ stories into a truck, dumpster, or to an owner designated area, located within 125' of the project site.
- ☑ Unit prices for demolition exclude costs for hauling (See 01741900), dump fees (See 01741900), dumpsters (See 01741900), and trash chutes (See 01741900).
- ☑ If the item being demolished is attached to another item being removed and can be removed as one item, then that item shall not be priced as a separate demolition task, unless the component alone must be demolished to accomplish the task (e.g. demolition of pipe includes pipe fittings unless the fitting must be demolished separately to accomplish the task; demolition of a wood door includes hinges, hardware, closures, kick plates, etc.).
- ☑ The description "replace" includes the demolition of the existing item and the installation of the new item.
- ☑ The descriptions "remove and relocate" or "remove and reinstall" includes the removal, cleaning of item and installation of the existing item in either the same location or another location.
- ☑ The description "reinstall" includes the cleaning and installation of the existing item.
- ☑ Salvageable materials remain the property of the Owner and shall be turned over as directed when specified in the Job Order.

The Adjustment Factors Include:

BUSINESS COSTS:

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

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

CONSTRUCTION RELATED COSTS:

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

PRICE VARIATIONS:

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

GENERAL COSTS:

- ☑ This list is not exhaustive and is intended to provide general examples of cost items to be included in the Contractor's Adjustment Factor as defined in the Contract.
- ☑ The only compensation to be paid to a Contractor for the unit price tasks will be:

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

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

General Interpretations:

WORKING HEIGHT:

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

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

FIELD ENGINEERING:

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

ASSEMBLIES:

☑ Assembly unit prices take precedence over individual component pricing.

TESTING:

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

MISCELLANEOUS:

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

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

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

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

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

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

SPECIFICATIONS:

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

Useful Information:

UNIT OF MEASURE DEFINITIONS:

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

MATERIAL WEIGHTS:

EARTHEN MATERIAL

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

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

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

BULK FACTORS FOR DEMOLITION:

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

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

CONVERSIONS:

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

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

1 Centimeter = 0.3937 Inches = 0.0328 Feet

1 Cubic Foot = 0.03704 Cubic Yards = 0.02832 Cubic Meters

1 Cubic Meter = 1.3080 Cubic Yards = 35.3147 Cubic Feet

1 Cubic Yard = 27 Cubic Feet = 0.7646 Cubic Meters

1 Foot = 12 Inches = 0.3048 Meters

1 Inch = 2.54 Centimeters = 0.0254 Meters

1 Kilogram = 2.2046 Pounds

1 Kilometer = 0.6214 Miles = 3280 Feet

1 Meter = 100 Centimeters = 3.2808 Feet

1 Mile = 5280 Feet = 1.6093 Kilometers

1 Pound = 0.4536 Kilograms

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

1 Square Meter = 1.1960 Square Yards = 10.7639 Square Feet

1 Square Yard = 9 Square Feet = 0.8361 Square Meters

1 Ton = 2000 Pounds = 907.185 Kilograms

1 Yard = 3 Feet = 0.9144 Meters

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

STANDARD GEOMETRY:

Circle

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

Cylinder

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

Sphere

- Volume = (4 π radius^3) / 3

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- Surface Area = 4 π radius^2

π = 3.14159

United Inch

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

TRADEMARKS

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

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 General Requirements

01 20 Price And Payment Procedures *(01)*

01 22 Unit Prices *(01 20)*

Note: Provide digital copies of photographs.

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

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

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

01 22 16 00-0002	EA	Reimbursable Fees Note: Reimbursable Fees will be paid to the contractor for eligible costs. The base cost of the Reimbursable Fee is $1.00. Insert the appropriate quantity to adjust the base cost to the actual Reimbursable Fee (e.g. quantity of 125 = $125.00 Reimbursable Fee). If there are multiple Reimbursable Fees, list each one separately and add a comment in the "note" block to identify the Reimbursable Fee (e.g. sidewalk closure, road cut, various permits, extended warrantee, expedited shipping costs, etc.). A copy of each receipt shall be submitted with the Price Proposal.	1.00	

01 22 20 Wage Rates *(01 22)*

01 22 20 00-0001 Minimum Charge *(01 22 20)*

Note: Use item exclusively for projects when the sum of line items is less than the minimum charge per occurrence. Item should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Item quantity is 1, unless approved by owner.

01 22 20 00-0002	EA	Carpenter Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	746.62	
01 22 20 00-0003	EA	Carpet, Linoleum Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	744.85	
01 22 20 00-0004	EA	Cement Mason Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	577.42	
01 22 20 00-0005	EA	Drywall Finisher Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	631.30	
01 22 20 00-0006	EA	Drywall Installer Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	749.77	
01 22 20 00-0007	EA	Electrician Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	806.05	
01 22 20 00-0008	EA	Glazier Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	676.60	
01 22 20 00-0009	EA	Insulator Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	676.41	
01 22 20 00-0010	EA	Laborer Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	568.97	
01 22 20 00-0011	EA	Landscape Maintenance Worker Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	241.45	
01 22 20 00-0012	EA	Ornamental Metal Worker Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	826.21	
01 22 20 00-0013	EA	Painter, Ordinary Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	592.01	
01 22 20 00-0014	EA	Plasterer Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	633.13	
01 22 20 00-0015	EA	Plumber Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	845.18	
01 22 20 00-0016	EA	Roofer, Tile/Slate Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	709.49	
01 22 20 00-0017	EA	Roofer, Composite Built-Up Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	712.90	
01 22 20 00-0018	EA	Sheet Metal Worker Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	784.57	
01 22 20 00-0019	EA	Sprinkler Installer Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	701.91	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0020	EA	Tile Layer (Floor) Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	635.67	

01 22 20 00-0021 Local Labor/Wage Rates *(01 22 20)*

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

01 22 20 00-0022	HR	Asbestos Removal Worker Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	58.54	
		For Foreman, Add	*2.93*	
		For Apprentice, Deduct	*-11.71*	
01 22 20 00-0023	HR	Insulator Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	81.43	
		For Foreman, Add	*4.07*	
		For Apprentice, Deduct	*-16.29*	
01 22 20 00-0024	HR	Boilermaker Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	85.80	
		For Foreman, Add	*4.29*	
		For Apprentice, Deduct	*-17.16*	
01 22 20 00-0025	HR	Brick Layer Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	73.85	
		For Foreman, Add	*3.69*	
		For Apprentice, Deduct	*-14.77*	
01 22 20 00-0026	HR	Carpenter Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	77.70	
		For Foreman, Add	*3.89*	
		For Apprentice, Deduct	*-15.54*	
01 22 20 00-0027	HR	Carpet, Linoleum Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	80.61	
		For Foreman, Add	*4.03*	
		For Apprentice, Deduct	*-16.12*	
01 22 20 00-0028	HR	Cement Mason Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	65.93	
		For Foreman, Add	*3.30*	
		For Apprentice, Deduct	*-13.19*	
01 22 20 00-0029	HR	Drywall Finisher Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	69.54	
		For Foreman, Add	*3.48*	
		For Apprentice, Deduct	*-13.91*	
01 22 20 00-0030	HR	Electrician Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	82.01	
		For Foreman, Add	*4.10*	
		For Apprentice, Deduct	*-16.40*	
01 22 20 00-0031	HR	Equipment Operator, Heavy (Crane) Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	81.30	
		For Foreman, Add	*4.07*	
		For Apprentice, Deduct	*-16.26*	
01 22 20 00-0032	HR	Equipment Operator, Medium (Bulldozer) Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	76.52	
		For Foreman, Add	*3.83*	
		For Apprentice, Deduct	*-15.30*	
01 22 20 00-0033	HR	Equipment Operator, Light (Backhoe, Bobcat) Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	71.60	
		For Foreman, Add	*3.58*	
		For Apprentice, Deduct	*-14.32*	
01 22 20 00-0034	HR	Glazier Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	78.32	
		For Foreman, Add	*3.92*	
		For Apprentice, Deduct	*-15.66*	
01 22 20 00-0035	HR	Laborer Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	68.00	
01 22 20 00-0036	HR	Lather Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	74.97	
		For Foreman, Add	*3.75*	
		For Apprentice, Deduct	*-14.99*	
01 22 20 00-0037	HR	Marble Setter Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	76.42	
		For Foreman, Add	*3.82*	
		For Apprentice, Deduct	*-15.28*	
01 22 20 00-0038	HR	Millwright Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	79.52	
		For Foreman, Add	*3.98*	
		For Apprentice, Deduct	*-15.90*	
01 22 20 00-0039	HR	Mold Removal Worker Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	63.28	
		For Foreman, Add	*3.16*	
		For Apprentice, Deduct	*-12.66*	
01 22 20 00-0040	HR	Painter, Ordinary Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	67.75	
		For Foreman, Add	*3.39*	
		For Apprentice, Deduct	*-13.55*	
01 22 20 00-0041	HR	Painter, Structural Steel Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	82.59	
		For Foreman, Add	*4.13*	
		For Apprentice, Deduct	*-16.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0042	HR	Paperhanger	69.09	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*3.45*	
		For Apprentice, Deduct	*-13.82*	
01 22 20 00-0043	HR	Pile Drivers	90.81	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*4.54*	
		For Apprentice, Deduct	*-18.16*	
01 22 20 00-0044	HR	Plasterer	66.64	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*3.33*	
		For Apprentice, Deduct	*-13.33*	
01 22 20 00-0045	HR	Plumber	80.65	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*4.03*	
		For Apprentice, Deduct	*-16.13*	
01 22 20 00-0046	HR	Powderman	64.24	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*3.21*	
		For Apprentice, Deduct	*-12.85*	
01 22 20 00-0047	HR	Rodman (Reinforcing)/Ornamental Steel Worker	79.97	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*4.00*	
		For Apprentice, Deduct	*-15.99*	
01 22 20 00-0048	HR	Roofer, Composite	70.36	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*3.52*	
		For Apprentice, Deduct	*-14.07*	
01 22 20 00-0049	HR	Roofer, Metal	96.89	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0050	HR	Roofer, Tile/Slate	69.94	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*3.50*	
		For Apprentice, Deduct	*-13.99*	
01 22 20 00-0051	HR	Sheet Metal Worker	85.57	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*4.28*	
		For Apprentice, Deduct	*-17.11*	
01 22 20 00-0052	HR	Sprinkler Installer	62.74	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*3.14*	
		For Apprentice, Deduct	*-12.55*	
01 22 20 00-0053	HR	Steam / Pipe Fitter	80.65	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*4.03*	
		For Apprentice, Deduct	*-16.13*	
01 22 20 00-0054	HR	Stone Mason	73.85	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*3.69*	
		For Apprentice, Deduct	*-14.77*	
01 22 20 00-0055	HR	Structural Steel Worker	84.53	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*4.23*	
		For Apprentice, Deduct	*-16.91*	
01 22 20 00-0056	HR	Tile Layer	66.96	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*3.35*	
		For Apprentice, Deduct	*-13.39*	
01 22 20 00-0057	HR	Terrazzo Finisher	77.52	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*3.88*	
		For Apprentice, Deduct	*-15.50*	
01 22 20 00-0058	HR	Truck Driver, Light	63.96	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*3.20*	
		For Apprentice, Deduct	*-12.79*	
01 22 20 00-0059	HR	Truck Driver, Heavy	64.37	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	*3.22*	
		For Apprentice, Deduct	*-12.87*	
01 22 20 00-0060	HR	Class I Diver	171.25	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0061	HR	Class III Diver Tender	105.56	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0062	HR	D1 Certified Welder	93.86	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		

01 22 20 00-0063 Rates For Services *(01 22 20)*

01 22 20 00-0064	HR	Watchman/Guard, Unarmed	16.78	
01 22 20 00-0065	HR	Watchman/Guard, Armed	24.64	
01 22 20 00-0066	HR	OSHA Testing	71.25	
01 22 20 00-0067	HR	Investigating Engineer Or Specialty Consultant	80.00	
		Note: For special investigating requirements or services outside required architectural and engineering services.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0068	HR	Investigating Senior Engineer Or Specialty Consultant Note: For special investigating requirements or services outside required architectural and engineering services.	125.00	
01 22 20 00-0069	HR	Surveyor	75.00	
01 22 20 00-0070	HR	On Site Material Testing Technician	57.00	
01 22 20 00-0071	MI	Mileage For Professional Services (Engineering, Surveying, Etcetera) Note: For use only when the Owner directs the contractor to use personnel whose base of operations is more than 100 miles from the site. Quantity shall be miles that exceed 100.	0.56	
01 22 20 00-0072	HR	Industrial Hygienist	45.52	
01 22 20 00-0073	HR	Certified Industrial Hygienist	125.00	
01 22 20 00-0074	EA	Security Badge, Processing Fee	44.98	
01 22 20 00-0075	HR	Biologist	132.00	
01 22 20 00-0076	HR	Ecologist	145.00	

01 22 20 00-0077 Rates For Traffic Control *(01 22 20)*

01 22 20 00-0078	DAY	Pilot Vehicle With Driver Note: Includes CB and radio, "Follow Me" sign, "Wait For Pilot Car" signs on barricades where required.	730.76	
01 22 20 00-0079	HR	Flagperson For Traffic Control	68.00	

01 22 23 Equipment Usage *(01 22)*

Note: Includes fuel costs unless otherwise stated. These tasks shall be used for owned, leased or rented equipment. See CSI section 01 71 13 00-0000 for equipment delivery, pickup, mobilization and demobilization.

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

01 22 23 00-0002 Manlifts *(01 22 23 00-0001)*

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

01 22 23 00-0003 Telescoping Boom Manlifts *(01 22 23 00-0002)*

01 22 23 00-0004 Engine Powered, Telescoping Boom Manlifts *(01 22 23 00-0003)*

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

01 22 23 00-0005	DAY	40' Engine Powered, Telescoping Boom Manlift	443.64	
01 22 23 00-0006	WK	40' Engine Powered, Telescoping Boom Manlift	1,116.26	
01 22 23 00-0007	MO	40' Engine Powered, Telescoping Boom Manlift	2,504.42	
01 22 23 00-0008	DAY	60' Engine Powered, Telescoping Boom Manlift	651.15	
01 22 23 00-0009	WK	60' Engine Powered, Telescoping Boom Manlift	1,552.74	
01 22 23 00-0010	MO	60' Engine Powered, Telescoping Boom Manlift	3,398.86	
01 22 23 00-0011	DAY	80' Engine Powered, Telescoping Boom Manlift	1,266.52	
01 22 23 00-0012	WK	80' Engine Powered, Telescoping Boom Manlift	3,069.71	
01 22 23 00-0013	MO	80' Engine Powered, Telescoping Boom Manlift	6,439.95	
01 22 23 00-0014	DAY	110' Engine Powered, Telescoping Boom Manlift	1,803.19	
01 22 23 00-0015	WK	110' Engine Powered, Telescoping Boom Manlift	4,341.96	
01 22 23 00-0016	MO	110' Engine Powered, Telescoping Boom Manlift	10,819.12	
01 22 23 00-0017	DAY	120' Engine Powered, Telescoping Boom Manlift	2,196.74	
01 22 23 00-0018	WK	120' Engine Powered, Telescoping Boom Manlift	5,602.76	
01 22 23 00-0019	MO	120' Engine Powered, Telescoping Boom Manlift	12,736.79	

01 22 23 00-0020 Articulating (Up/Over) Boom Manlifts *(01 22 23 00-0002)*

01 22 23 00-0021 Engine Powered, Articulating (Up/Over) Boom Manlifts *(01 22 23 00-0020)*

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

01 22 23 00-0022	DAY	34' Engine Powered, Articulating (Up/Over) Boom Manlift	324.69	
01 22 23 00-0023	WK	34' Engine Powered, Articulating (Up/Over) Boom Manlift	814.68	
01 22 23 00-0024	MO	34' Engine Powered, Articulating (Up/Over) Boom Manlift	1,959.96	
01 22 23 00-0025	DAY	45' Engine Powered, Articulating (Up/Over) Boom Manlift	413.24	
01 22 23 00-0026	WK	45' Engine Powered, Articulating (Up/Over) Boom Manlift	903.24	
01 22 23 00-0027	MO	45' Engine Powered, Articulating (Up/Over) Boom Manlift	2,242.15	
01 22 23 00-0028	DAY	60' Engine Powered, Articulating (Up/Over) Boom Manlift	531.32	
01 22 23 00-0029	WK	60' Engine Powered, Articulating (Up/Over) Boom Manlift	1,227.93	
01 22 23 00-0030	MO	60' Engine Powered, Articulating (Up/Over) Boom Manlift	2,745.13	
01 22 23 00-0031	DAY	80' Engine Powered, Articulating (Up/Over) Boom Manlift	926.85	
01 22 23 00-0032	WK	80' Engine Powered, Articulating (Up/Over) Boom Manlift	2,184.30	
01 22 23 00-0033	MO	80' Engine Powered, Articulating (Up/Over) Boom Manlift	5,311.97	
01 22 23 00-0034	DAY	125' Engine Powered, Articulating (Up/Over) Boom Manlift	1,800.57	
01 22 23 00-0035	WK	125' Engine Powered, Articulating (Up/Over) Boom Manlift	4,250.52	
01 22 23 00-0036	MO	125' Engine Powered, Articulating (Up/Over) Boom Manlift	10,390.16	

01 22 23 00-0037 Electric, Articulating (Up/Over) Boom Manlifts *(01 22 23 00-0020)*

Note: For use on paved surfaces.

01 22 23 00-0038	DAY	30' Electric, Articulating (Up/Over) Boom Manlift	324.69	
01 22 23 00-0039	WK	30' Electric, Articulating (Up/Over) Boom Manlift	814.68	
01 22 23 00-0040	MO	30' Electric, Articulating (Up/Over) Boom Manlift	1,959.96	
01 22 23 00-0041	DAY	35' Electric, Articulating (Up/Over) Boom Manlift	324.69	
01 22 23 00-0042	WK	35' Electric, Articulating (Up/Over) Boom Manlift	814.68	
01 22 23 00-0043	MO	35' Electric, Articulating (Up/Over) Boom Manlift	1,959.96	
01 22 23 00-0044	DAY	40' Electric, Articulating (Up/Over) Boom Manlift	401.44	
01 22 23 00-0045	WK	40' Electric, Articulating (Up/Over) Boom Manlift	867.81	
01 22 23 00-0046	MO	40' Electric, Articulating (Up/Over) Boom Manlift	2,154.78	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0047	DAY	45' Electric, Articulating (Up/Over) Boom Manlift	401.44	
01 22 23 00-0048	WK	45' Electric, Articulating (Up/Over) Boom Manlift	867.81	
01 22 23 00-0049	MO	45' Electric, Articulating (Up/Over) Boom Manlift	2,154.78	

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

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

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

Note: For use on paved surfaces.

01 22 23 00-0052	DAY	17' Electric, Scissor Platform Lift	151.25	
01 22 23 00-0053	WK	17' Electric, Scissor Platform Lift	302.50	
01 22 23 00-0054	MO	17' Electric, Scissor Platform Lift	618.75	
01 22 23 00-0055	DAY	20' Electric, Scissor Platform Lift	165.00	
01 22 23 00-0056	WK	20' Electric, Scissor Platform Lift	330.00	
01 22 23 00-0057	MO	20' Electric, Scissor Platform Lift	660.00	
01 22 23 00-0058	DAY	25' Electric, Scissor Platform Lift	213.12	
01 22 23 00-0059	WK	25' Electric, Scissor Platform Lift	426.25	
01 22 23 00-0060	MO	25' Electric, Scissor Platform Lift	914.38	
01 22 23 00-0061	DAY	30' Electric, Scissor Platform Lift	275.00	
01 22 23 00-0062	WK	30' Electric, Scissor Platform Lift	543.12	
01 22 23 00-0063	MO	30' Electric, Scissor Platform Lift	1,203.12	
01 22 23 00-0064	DAY	33' Electric, Scissor Platform Lift	295.62	
01 22 23 00-0065	WK	33' Electric, Scissor Platform Lift	577.50	
01 22 23 00-0066	MO	33' Electric, Scissor Platform Lift	1,306.25	
01 22 23 00-0067	DAY	40' Electric, Scissor Platform Lift	385.00	
01 22 23 00-0068	WK	40' Electric, Scissor Platform Lift	955.62	
01 22 23 00-0069	MO	40' Electric, Scissor Platform Lift	2,660.62	

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

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

01 22 23 00-0071	DAY	25' Engine Powered, Scissor Platform Lift	309.38	
01 22 23 00-0072	WK	25' Engine Powered, Scissor Platform Lift	605.00	
01 22 23 00-0073	MO	25' Engine Powered, Scissor Platform Lift	1,478.12	
01 22 23 00-0074	DAY	33' Engine Powered, Scissor Platform Lift	316.25	
01 22 23 00-0075	WK	33' Engine Powered, Scissor Platform Lift	721.88	
01 22 23 00-0076	MO	33' Engine Powered, Scissor Platform Lift	1,581.25	
01 22 23 00-0077	DAY	40' Engine Powered, Scissor Platform Lift	350.62	
01 22 23 00-0078	WK	40' Engine Powered, Scissor Platform Lift	804.38	
01 22 23 00-0079	MO	40' Engine Powered, Scissor Platform Lift	1,787.50	
01 22 23 00-0080	DAY	43' Engine Powered, Scissor Platform Lift	371.25	
01 22 23 00-0081	WK	43' Engine Powered, Scissor Platform Lift	866.25	
01 22 23 00-0082	MO	43' Engine Powered, Scissor Platform Lift	2,131.25	
01 22 23 00-0083	DAY	50' Engine Powered, Scissor Platform Lift	694.38	
01 22 23 00-0084	WK	50' Engine Powered, Scissor Platform Lift	1,526.25	
01 22 23 00-0085	MO	50' Engine Powered, Scissor Platform Lift	3,753.75	

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

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

01 22 23 00-0087	DAY	24', Push-Type, Electric Single Man Personnel Lift	150.57	
01 22 23 00-0088	WK	24', Push-Type, Electric Single Man Personnel Lift	426.62	
01 22 23 00-0089	MO	24', Push-Type, Electric Single Man Personnel Lift	861.60	
01 22 23 00-0090	DAY	30', Push-Type, Electric Single Man Personnel Lift	209.12	
01 22 23 00-0091	WK	30', Push-Type, Electric Single Man Personnel Lift	443.34	
01 22 23 00-0092	MO	30', Push-Type, Electric Single Man Personnel Lift	869.96	
01 22 23 00-0093	DAY	36', Push-Type, Electric Single Man Personnel Lift	351.33	
01 22 23 00-0094	WK	36', Push-Type, Electric Single Man Personnel Lift	853.23	
01 22 23 00-0095	MO	36', Push-Type, Electric Single Man Personnel Lift	2,492.77	
01 22 23 00-0096	DAY	40', Push-Type, Electric Single Man Personnel Lift	376.42	
01 22 23 00-0097	WK	40', Push-Type, Electric Single Man Personnel Lift	936.88	
01 22 23 00-0098	MO	40', Push-Type, Electric Single Man Personnel Lift	2,819.00	
01 22 23 00-0099	DAY	15', Self-Propelled, Electric Single Man Personnel Lift	200.76	
01 22 23 00-0100	WK	15', Self-Propelled, Electric Single Man Personnel Lift	401.52	
01 22 23 00-0101	MO	15', Self-Propelled, Electric Single Man Personnel Lift	803.04	
01 22 23 00-0102	DAY	20', Self-Propelled, Electric Single Man Personnel Lift	200.76	
01 22 23 00-0103	WK	20', Self-Propelled, Electric Single Man Personnel Lift	401.52	
01 22 23 00-0104	MO	20', Self-Propelled, Electric Single Man Personnel Lift	834.83	

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

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

01 22 23 00-0106	DAY	48' Bucket Truck With Full-Time Operator	983.77	
		For Equipment Without Operator, Deduct	*-514.97*	
01 22 23 00-0107	WK	48' Bucket Truck With Full-Time Operator	4,249.17	
		For Equipment Without Operator, Deduct	*-2,574.87*	
01 22 23 00-0108	MO	48' Bucket Truck With Full-Time Operator	15,898.23	
		For Equipment Without Operator, Deduct	*-11,098.57*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0109		**Air Equipment** *(01 22 23)*		
01 22 23 00-0110		**Air Compressors** *(01 22 23 00-0109)*		
		Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0111	DAY	100 CFM Diesel Powered Portable Air Compressor	167.01	
01 22 23 00-0112	WK	100 CFM Diesel Powered Portable Air Compressor	501.03	
01 22 23 00-0113	MO	100 CFM Diesel Powered Portable Air Compressor	1,391.75	
01 22 23 00-0114	DAY	130 CFM Diesel Powered Portable Air Compressor	200.41	
01 22 23 00-0115	WK	130 CFM Diesel Powered Portable Air Compressor	590.10	
01 22 23 00-0116	MO	130 CFM Diesel Powered Portable Air Compressor	1,670.10	
01 22 23 00-0117	DAY	185 CFM Diesel Powered Portable Air Compressor	267.22	
01 22 23 00-0118	WK	185 CFM Diesel Powered Portable Air Compressor	601.24	
01 22 23 00-0119	MO	185 CFM Diesel Powered Portable Air Compressor	1,324.95	
01 22 23 00-0120	DAY	375 CFM Diesel Powered Portable Air Compressor	378.56	
01 22 23 00-0121	WK	375 CFM Diesel Powered Portable Air Compressor	957.52	
01 22 23 00-0122	MO	375 CFM Diesel Powered Portable Air Compressor	2,282.47	
01 22 23 00-0123	DAY	600 CFM Diesel Powered Portable Air Compressor	841.73	
01 22 23 00-0124	WK	600 CFM Diesel Powered Portable Air Compressor	2,026.39	
01 22 23 00-0125	MO	600 CFM Diesel Powered Portable Air Compressor	5,050.38	
01 22 23 00-0126	DAY	750 CFM Diesel Powered Portable Air Compressor	1,013.19	
01 22 23 00-0127	WK	750 CFM Diesel Powered Portable Air Compressor	2,494.02	
01 22 23 00-0128	MO	750 CFM Diesel Powered Portable Air Compressor	6,123.70	
01 22 23 00-0129	DAY	825 CFM Diesel Powered Portable Air Compressor	1,013.19	
01 22 23 00-0130	WK	825 CFM Diesel Powered Portable Air Compressor	2,494.02	
01 22 23 00-0131	MO	825 CFM Diesel Powered Portable Air Compressor	6,123.70	
01 22 23 00-0132	DAY	1,300 CFM Diesel Powered Portable Air Compressor	1,180.20	
01 22 23 00-0133	WK	1,300 CFM Diesel Powered Portable Air Compressor	2,645.44	
01 22 23 00-0134	MO	1,300 CFM Diesel Powered Portable Air Compressor	7,054.50	
01 22 23 00-0135	DAY	1,600 CFM Diesel Powered Portable Air Compressor	1,469.69	
01 22 23 00-0136	WK	1,600 CFM Diesel Powered Portable Air Compressor	3,306.80	
01 22 23 00-0137	MO	1,600 CFM Diesel Powered Portable Air Compressor	8,818.13	
01 22 23 00-0138		**Negative Air Machines** *(01 22 23 00-0109)*		
		Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0139	DAY	Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And HEPA Filter	56.00	
01 22 23 00-0140	WK	Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And HEPA Filter	230.00	
01 22 23 00-0141	MO	Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And HEPA Filter	695.00	
01 22 23 00-0142	EA	Replacement HEPA Filter, 99.99% Efficient @ 0.3 Micron For Negative Air Machine Note: Required if over 800 hours operation.	199.87	
01 22 23 00-0143	LF	Discharge Flexible Duct For Negative Air Machine	1.23	
01 22 23 00-0144		**Portable Air Scrubbers** *(01 22 23 00-0109)*		
		Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0145	DAY	200 to 1,000 CFM Portable Air Scrubber	83.00	
01 22 23 00-0146	WK	200 to 1,000 CFM Portable Air Scrubber	345.00	
01 22 23 00-0147	MO	200 to 1,000 CFM Portable Air Scrubber	955.00	
01 22 23 00-0148	DAY	>1,000 to 2,000 CFM Portable Air Scrubber	105.00	
01 22 23 00-0149	WK	>1,000 to 2,000 CFM Portable Air Scrubber	435.00	
01 22 23 00-0150	MO	>1,000 to 2,000 CFM Portable Air Scrubber	1,275.00	
01 22 23 00-0151		**Compaction And Paving Equipment** *(01 22 23)*		
01 22 23 00-0152		**Pavers And Rollers** *(01 22 23 00-0151)*		
		Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0153		**Pavers** *(01 22 23 00-0152)*		
01 22 23 00-0154	DAY	10' Wide Paving Machine With Full-Time Operator	2,593.70	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0155	WK	10' Wide Paving Machine With Full-Time Operator	9,005.35	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0156	MO	10' Wide Paving Machine With Full-Time Operator	31,483.84	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0157		**Ride-On Self-Propelled, Rubber Tire Rollers** *(01 22 23 00-0152)*		
01 22 23 00-0158	DAY	10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	1,027.15	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0159	WK	10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	4,315.87	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0160	MO	10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	16,599.89	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0161	DAY	15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	1,187.33	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0162	WK	15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	5,507.05	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0163	MO	15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	18,398.30	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0164	DAY	30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator	1,194.61	
		For Equipment Without Operator, Deduct	*-612.13*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0165	WK	30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator	5,033.78	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0166	MO	30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator	18,747.78	
		For Equipment Without Operator, Deduct	*-13,192.38*	

01 22 23 00-0167 Ride-On Self-Propelled, Padfoot Rollers *(01 22 23 00-0152)*

01 22 23 00-0168	DAY	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,092.68	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0169	WK	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	4,393.05	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0170	MO	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	17,044.03	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0171	DAY	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,398.48	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0172	WK	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	5,011.94	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0173	MO	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	18,995.34	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0174	DAY	10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,471.29	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0175	WK	10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	5,470.64	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0176	MO	10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	20,276.79	
		For Equipment Without Operator, Deduct	*-13,192.38*	

01 22 23 00-0177 Towed, Padfoot Rollers *(01 22 23 00-0152)*

01 22 23 00-0178	DAY	48" Wide, 40" Diameter, Towed Padfoot Roller	138.34	
01 22 23 00-0179	WK	48" Wide, 40" Diameter, Towed Padfoot Roller	400.46	
01 22 23 00-0180	MO	48" Wide, 40" Diameter, Towed Padfoot Roller	1,179.52	
01 22 23 00-0181	DAY	60" Wide, 60" Diameter, Towed Padfoot Roller	174.74	
01 22 23 00-0182	WK	60" Wide, 60" Diameter, Towed Padfoot Roller	487.83	
01 22 23 00-0183	MO	60" Wide, 60" Diameter, Towed Padfoot Roller	2,075.08	

01 22 23 00-0184 Static Rollers *(01 22 23 00-0152)*

01 22 23 00-0185	DAY	5 Ton, 2 Drum Articulated Roller With Full-Time Operator	1,129.08	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0186	WK	5 Ton, 2 Drum Articulated Roller With Full-Time Operator	4,706.14	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0187	MO	5 Ton, 2 Drum Articulated Roller With Full-Time Operator	18,070.65	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0188	DAY	8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	1,289.26	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0189	WK	8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	5,143.00	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0190	MO	8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	19,279.30	
		For Equipment Without Operator, Deduct	*-13,192.38*	

01 22 23 00-0191 Ride-On Self-Propelled, Smooth Drum Vibratory Rollers *(01 22 23 00-0152)*

01 22 23 00-0192	DAY	5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,078.11	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0193	WK	5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	4,436.74	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0194	MO	5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	16,832.88	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0195	DAY	8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,172.77	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0196	WK	8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	4,713.42	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0197	MO	8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	17,553.70	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0198	DAY	11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,362.07	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0199	WK	11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	5,266.77	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0200	MO	11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	19,017.18	
		For Equipment Without Operator, Deduct	*-13,192.38*	

01 22 23 00-0201 Steel Plates *(01 22 23 00-0151)*

Note: 3 day minimum.

01 22 23 00-0202	DAY	1" x 4' x 8' Steel Plate	18.75	
01 22 23 00-0203	WK	1" x 4' x 8' Steel Plate	44.27	
01 22 23 00-0204	MO	1" x 4' x 8' Steel Plate	58.26	
01 22 23 00-0205	DAY	1" x 4' x 10' Steel Plate	25.00	
01 22 23 00-0206	WK	1" x 4' x 10' Steel Plate	56.25	
01 22 23 00-0207	MO	1" x 4' x 10' Steel Plate	68.75	
01 22 23 00-0208	DAY	1" x 5' x 10' Steel Plate	26.04	
01 22 23 00-0209	WK	1" x 5' x 10' Steel Plate	58.85	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0210	MO	1" x 5' x 10' Steel Plate	156.24	
01 22 23 00-0211	DAY	1" x 6' x 8' Steel Plate	16.67	
01 22 23 00-0212	WK	1" x 6' x 8' Steel Plate	37.50	
01 22 23 00-0213	MO	1" x 6' x 8' Steel Plate	99.99	
01 22 23 00-0214	DAY	1" x 6' x 10' Steel Plate	31.25	
01 22 23 00-0215	WK	1" x 6' x 10' Steel Plate	41.14	
01 22 23 00-0216	MO	1" x 6' x 10' Steel Plate	109.89	
01 22 23 00-0217	DAY	1" x 6' x 12' Steel Plate	43.75	
01 22 23 00-0218	WK	1" x 6' x 12' Steel Plate	55.99	
01 22 23 00-0219	MO	1" x 6' x 12' Steel Plate	151.55	
01 22 23 00-0220	DAY	1" x 8' x 10' Steel Plate	27.60	
01 22 23 00-0221	WK	1" x 8' x 10' Steel Plate	61.98	
01 22 23 00-0222	MO	1" x 8' x 10' Steel Plate	165.09	
01 22 23 00-0223	DAY	1" x 8' x 12' Steel Plate	50.00	
01 22 23 00-0224	WK	1" x 8' x 12' Steel Plate	61.98	
01 22 23 00-0225	MO	1" x 8' x 12' Steel Plate	299.98	
01 22 23 00-0226	DAY	1" x 8' x 16' Steel Plate	66.66	
01 22 23 00-0227	WK	1" x 8' x 16' Steel Plate	149.99	
01 22 23 00-0228	MO	1" x 8' x 16' Steel Plate	399.97	
01 22 23 00-0229	LF	Cold Mix For Temporary Ramp Base, 6" At Edge Of Trench Plate	1.65	0.84
01 22 23 00-0230	EA	Remove And Reset Trench Plate	22.51	

01 22 23 00-0231 Street Sweepers *(01 22 23 00-0151)*

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

01 22 23 00-0232	DAY	8' Broom Sweeper With Full-Time Operator	811.36
		For Equipment Without Operator, Deduct	*-572.77*
01 22 23 00-0233	WK	8' Broom Sweeper With Full-Time Operator	3,510.71
		For Equipment Without Operator, Deduct	*-2,863.87*
01 22 23 00-0234	MO	8' Broom Sweeper With Full-Time Operator	14,396.15
		For Equipment Without Operator, Deduct	*-12,344.28*
01 22 23 00-0235	DAY	Self-Propelled Street Sweeper With Hopper And Full-Time Operator Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.	1,032.50
		For Equipment Without Operator, Deduct	*-572.77*
01 22 23 00-0236	WK	Self-Propelled Street Sweeper With Hopper And Full-Time Operator Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.	4,962.72
		For Equipment Without Operator, Deduct	*-2,863.87*
01 22 23 00-0237	MO	Self-Propelled Street Sweeper With Hopper And Full-Time Operator Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.	20,315.33
		For Equipment Without Operator, Deduct	*-12,344.28*

01 22 23 00-0238 Earthmoving Equipment *(01 22 23)*

01 22 23 00-0239 Skid-Steer Loaders (Bobcat) *(01 22 23 00-0238)*

Note: Includes full-time operator and combination bucket and dozer blade attachments. Add extra attachments where necessary. Excludes delivery, set-up, and removal.

01 22 23 00-0240	DAY	700 LB Capacity, 36" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator	875.87
		For Equipment Without Operator, Deduct	*-572.77*
01 22 23 00-0241	WK	700 LB Capacity, 36" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator	3,659.03
		For Equipment Without Operator, Deduct	*-2,863.87*
01 22 23 00-0242	MO	700 LB Capacity, 36" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator	14,259.26
		For Equipment Without Operator, Deduct	*-12,344.28*
01 22 23 00-0243	DAY	1,500 LB Capacity, 60" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator	955.77
		For Equipment Without Operator, Deduct	*-572.77*
01 22 23 00-0244	WK	1,500 LB Capacity, 60" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator	3,803.61
		For Equipment Without Operator, Deduct	*-2,863.87*
01 22 23 00-0245	MO	1,500 LB Capacity, 60" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator	14,576.31
		For Equipment Without Operator, Deduct	*-12,344.28*
01 22 23 00-0246	DAY	2,400 LB Capacity, 72" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator	1,007.31
		For Equipment Without Operator, Deduct	*-601.49*
01 22 23 00-0247	WK	2,400 LB Capacity, 72" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator	4,155.19
		For Equipment Without Operator, Deduct	*-3,007.47*
01 22 23 00-0248	MO	2,400 LB Capacity, 72" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator	15,746.95
		For Equipment Without Operator, Deduct	*-12,963.25*
01 22 23 00-0249	DAY	2,500 LB Capacity, 78" Wide, Tracked Skid-Steer Loader (Bobcat) With Full-Time Operator	1,067.37
		For Equipment Without Operator, Deduct	*-572.77*
01 22 23 00-0250	WK	2,500 LB Capacity, 78" Wide, Tracked Skid-Steer Loader (Bobcat) With Full-Time Operator	4,303.28
		For Equipment Without Operator, Deduct	*-2,863.87*
01 22 23 00-0251	MO	2,500 LB Capacity, 78" Wide, Tracked Skid-Steer Loader (Bobcat) With Full-Time Operator	16,091.81
		For Equipment Without Operator, Deduct	*-12,344.28*
01 22 23 00-0252	DAY	3,000 LB Capacity, 78" Wide, Tracked Skid-Steer Loader (Bobcat) With Full-Time Operator	1,248.27
		For Equipment Without Operator, Deduct	*-601.49*
01 22 23 00-0253	WK	3,000 LB Capacity, 78" Wide, Tracked Skid-Steer Loader (Bobcat) With Full-Time Operator	5,023.91
		For Equipment Without Operator, Deduct	*-3,007.47*
01 22 23 00-0254	MO	3,000 LB Capacity, 78" Wide, Tracked Skid-Steer Loader (Bobcat) With Full-Time Operator	18,131.17
		For Equipment Without Operator, Deduct	*-12,963.25*
01 22 23 00-0255	DAY	Hydraulic Hammer Attachment For Skid-Steer Loaders	253.64
01 22 23 00-0256	WK	Hydraulic Hammer Attachment For Skid-Steer Loaders	843.35
01 22 23 00-0257	MO	Hydraulic Hammer Attachment For Skid-Steer Loaders	2,244.71
01 22 23 00-0258	DAY	Forklift Attachment For Skid-Steer Loaders	54.53
01 22 23 00-0259	WK	Forklift Attachment For Skid-Steer Loaders	145.84
01 22 23 00-0260	MO	Forklift Attachment For Skid-Steer Loaders	412.16

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0261	DAY	Backhoe Attachment For Skid-Steer Loaders	120.48	
01 22 23 00-0262	WK	Backhoe Attachment For Skid-Steer Loaders	289.15	
01 22 23 00-0263	MO	Backhoe Attachment For Skid-Steer Loaders	719.07	
01 22 23 00-0264	DAY	Broom Attachment For Skid-Steer Loaders	119.21	
01 22 23 00-0265	WK	Broom Attachment For Skid-Steer Loaders	323.39	
01 22 23 00-0266	MO	Broom Attachment For Skid-Steer Loaders	856.04	
01 22 23 00-0267	DAY	9", 12", Or 16" Auger Attachment For Skid-Steer Loaders	79.90	
01 22 23 00-0268	WK	9", 12", Or 16" Auger Attachment For Skid-Steer Loaders	253.64	
01 22 23 00-0269	MO	9", 12", Or 16" Auger Attachment For Skid-Steer Loaders	602.40	

01 22 23 00-0270 Bulldozers *(01 22 23 00-0238)*

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

01 22 23 00-0271	DAY	70 HP, D3 Bulldozer With Full-Time Operator	996.70	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0272	WK	70 HP, D3 Bulldozer With Full-Time Operator	4,577.13	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0273	MO	70 HP, D3 Bulldozer With Full-Time Operator	17,691.10	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0274	DAY	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	1,178.10	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0275	WK	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	5,309.99	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0276	MO	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	19,940.46	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0277	DAY	140 HP, D6 Bulldozer With Full-Time Operator	1,693.27	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0278	WK	140 HP, D6 Bulldozer With Full-Time Operator	7,370.69	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0279	MO	140 HP, D6 Bulldozer With Full-Time Operator	26,108.06	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0280	DAY	200 HP, D7 Bulldozer With Full-Time Operator	2,150.40	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0281	WK	200 HP, D7 Bulldozer With Full-Time Operator	9,206.46	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0282	MO	200 HP, D7 Bulldozer With Full-Time Operator	31,622.62	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0283	DAY	335 HP, D8 Bulldozer With Full-Time Operator	2,694.60	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0284	WK	335 HP, D8 Bulldozer With Full-Time Operator	11,383.26	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0285	MO	335 HP, D8 Bulldozer With Full-Time Operator	38,153.02	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0286	DAY	460 HP, D9 Bulldozer With Full-Time Operator	2,999.35	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0287	WK	460 HP, D9 Bulldozer With Full-Time Operator	12,595.01	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0288	MO	460 HP, D9 Bulldozer With Full-Time Operator	41,781.02	
		For Equipment Without Operator, Deduct	*-13,192.38*	

01 22 23 00-0289 Motor Scraper *(01 22 23 00-0238)*

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

01 22 23 00-0290	DAY	11 CY Motor Scraper-Hauler With Full-Time Operator	1,498.06	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0291	WK	11 CY Motor Scraper-Hauler With Full-Time Operator	6,604.34	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0292	MO	11 CY Motor Scraper-Hauler With Full-Time Operator	23,811.38	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0293	DAY	18 CY Motor Scraper-Hauler With Full-Time Operator	1,856.07	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0294	WK	18 CY Motor Scraper-Hauler With Full-Time Operator	8,036.39	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0295	MO	18 CY Motor Scraper-Hauler With Full-Time Operator	28,119.66	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0296	DAY	24 CY Motor Scraper-Hauler With Full-Time Operator	2,201.95	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0297	WK	24 CY Motor Scraper-Hauler With Full-Time Operator	9,413.83	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0298	MO	24 CY Motor Scraper-Hauler With Full-Time Operator	32,245.90	
		For Equipment Without Operator, Deduct	*-13,192.38*	

01 22 23 00-0299 Hydraulic Excavators *(01 22 23 00-0238)*

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

01 22 23 00-0300	DAY	3/8 CY Hydraulic Excavator With Full-Time Operator	949.04	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0301	WK	3/8 CY Hydraulic Excavator With Full-Time Operator	4,252.28	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0302	MO	3/8 CY Hydraulic Excavator With Full-Time Operator	17,185.34	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0303	DAY	1/2 CY Hydraulic Excavator With Full-Time Operator	1,043.87	
		For Equipment Without Operator, Deduct	*-612.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0304	WK	1/2 CY Hydraulic Excavator With Full-Time Operator	4,670.29	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0305	MO	1/2 CY Hydraulic Excavator With Full-Time Operator	18,857.39	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0306	DAY	5/8 CY Hydraulic Excavator With Full-Time Operator	1,073.82	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0307	WK	5/8 CY Hydraulic Excavator With Full-Time Operator	4,826.27	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0308	MO	5/8 CY Hydraulic Excavator With Full-Time Operator	19,131.91	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0309	DAY	3/4 CY Hydraulic Excavator With Full-Time Operator	1,105.01	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0310	WK	3/4 CY Hydraulic Excavator With Full-Time Operator	4,969.76	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0311	MO	3/4 CY Hydraulic Excavator With Full-Time Operator	19,406.42	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0312	DAY	7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	1,129.97	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0313	WK	7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	5,119.50	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0314	MO	7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	19,680.94	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0315	DAY	1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	1,466.87	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0316	WK	1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	6,460.89	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0317	MO	1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	23,393.14	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0318	DAY	1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	1,516.79	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0319	WK	1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	6,679.25	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0320	MO	1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	24,048.24	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0321	DAY	1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	1,610.37	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0322	WK	1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	7,053.59	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0323	MO	1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	25,171.26	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0324	DAY	2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	1,716.43	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0325	WK	2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	7,471.60	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0326	MO	2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	26,419.06	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0327	DAY	2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	1,747.63	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0328	WK	2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	7,596.38	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0329	MO	2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	26,793.40	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0330	DAY	3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	2,047.10	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0331	WK	3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	8,800.51	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0332	MO	3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	30,412.02	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0333	DAY	4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	2,477.59	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0334	WK	4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	10,510.00	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0335	MO	4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	35,528.00	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0336	DAY	Thumbs Or Grapple Attachment For Hydraulic Excavators	87.35	
01 22 23 00-0337	WK	Thumbs Or Grapple Attachment For Hydraulic Excavators	336.91	
01 22 23 00-0338	MO	Thumbs Or Grapple Attachment For Hydraulic Excavators	998.24	
01 22 23 00-0339	DAY	1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	386.82	
01 22 23 00-0340	WK	1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	1,023.20	
01 22 23 00-0341	MO	1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	2,863.70	
01 22 23 00-0342	DAY	1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	598.94	
01 22 23 00-0343	WK	1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	1,528.56	
01 22 23 00-0344	MO	1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	3,974.24	
01 22 23 00-0345	DAY	3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	836.03	
01 22 23 00-0346	WK	3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	2,252.28	
01 22 23 00-0347	MO	3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	6,313.87	
01 22 23 00-0348	DAY	24" Compaction Wheel Attachment For Hydraulic Excavators	174.69	
01 22 23 00-0349	WK	24" Compaction Wheel Attachment For Hydraulic Excavators	698.77	
01 22 23 00-0350	MO	24" Compaction Wheel Attachment For Hydraulic Excavators	2,096.30	
01 22 23 00-0351	DAY	36" Compaction Wheel Attachment For Hydraulic Excavators	249.56	
01 22 23 00-0352	WK	36" Compaction Wheel Attachment For Hydraulic Excavators	998.24	
01 22 23 00-0353	MO	36" Compaction Wheel Attachment For Hydraulic Excavators	2,994.72	
01 22 23 00-0354	DAY	48" Compaction Wheel Attachment For Hydraulic Excavators	274.52	
01 22 23 00-0355	WK	48" Compaction Wheel Attachment For Hydraulic Excavators	1,085.59	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0356	MO	48" Compaction Wheel Attachment For Hydraulic Excavators	3,244.28	

01 22 23 00-0357 Mini-Excavators *(01 22 23 00-0238)*

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

01 22 23 00-0358	DAY	2,000 LB Mini-Excavator With Full-Time Operator (Bobcat 316)	874.17	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0359	WK	2,000 LB Mini-Excavator With Full-Time Operator (Bobcat 316)	3,803.07	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0360	MO	2,000 LB Mini-Excavator With Full-Time Operator (Bobcat 316)	14,827.00	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0361	DAY	3,500 LB Mini-Excavator With Full-Time Operator (Bobcat 322 Or 323)	880.41	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0362	WK	3,500 LB Mini-Excavator With Full-Time Operator (Bobcat 322 Or 323)	3,821.79	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0363	MO	3,500 LB Mini-Excavator With Full-Time Operator (Bobcat 322 Or 323)	15,220.06	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0364	DAY	6,000 LB Mini-Excavator With Full-Time Operator (Bobcat 325 Or 328)	911.60	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0365	WK	6,000 LB Mini-Excavator With Full-Time Operator (Bobcat 325 Or 328)	3,909.13	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0366	MO	6,000 LB Mini-Excavator With Full-Time Operator (Bobcat 325 Or 328)	15,276.21	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0367	DAY	7,500 LB Mini-Excavator With Full-Time Operator (Bobcat 329, 331 Or 334)	924.08	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0368	WK	7,500 LB Mini-Excavator With Full-Time Operator (Bobcat 329, 331 Or 334)	3,952.81	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0369	MO	7,500 LB Mini-Excavator With Full-Time Operator (Bobcat 329, 331 Or 334)	15,301.16	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0370	DAY	9,500 LB Mini-Excavator With Full-Time Operator (Bobcat 335)	998.95	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0371	WK	9,500 LB Mini-Excavator With Full-Time Operator (Bobcat 335)	4,015.20	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0372	MO	9,500 LB Mini-Excavator With Full-Time Operator (Bobcat 335)	16,024.89	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0373	DAY	11,000 LB Mini-Excavator With Full-Time Operator (Bobcat 337)	1,005.19	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0374	WK	11,000 LB Mini-Excavator With Full-Time Operator (Bobcat 337)	4,327.15	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0375	MO	11,000 LB Mini-Excavator With Full-Time Operator (Bobcat 337)	16,056.08	
		For Equipment Without Operator, Deduct	*-13,192.38*	

01 22 23 00-0376 Road Graders *(01 22 23 00-0238)*

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

01 22 23 00-0377	DAY	60 HP Road Grader With Full-Time Operator	1,113.83	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0378	WK	60 HP Road Grader With Full-Time Operator	4,417.80	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0379	MO	60 HP Road Grader With Full-Time Operator	17,251.02	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0380	DAY	80 HP Road Grader With Full-Time Operator	1,261.77	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0381	WK	80 HP Road Grader With Full-Time Operator	4,829.45	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0382	MO	80 HP Road Grader With Full-Time Operator	18,498.85	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0383	DAY	130 HP Road Grader With Full-Time Operator	1,364.56	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0384	WK	130 HP Road Grader With Full-Time Operator	5,287.59	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0385	MO	130 HP Road Grader With Full-Time Operator	19,867.18	
		For Equipment Without Operator, Deduct	*-13,192.38*	

01 22 23 00-0386 Loader-Backhoes With Standard Bucket *(01 22 23 00-0238)*

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

01 22 23 00-0387	DAY	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	1,107.23	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0388	WK	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	4,236.48	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0389	MO	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	15,959.61	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0390	DAY	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	1,160.27	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0391	WK	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	4,422.14	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0392	MO	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	17,091.26	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0393	DAY	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	1,242.05	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0394	WK	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	4,625.49	
		For Equipment Without Operator, Deduct	*-3,060.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0395	MO	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	17,674.77	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0396	DAY	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	1,606.74	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0397	WK	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	5,712.93	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0398	MO	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	20,786.80	
		For Equipment Without Operator, Deduct	*-13,192.38*	

01 22 23 00-0399 Heavy Duty Construction Loaders *(01 22 23 00-0238)*

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

01 22 23 00-0400	DAY	2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator	1,099.53	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0401	WK	2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator	4,987.74	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0402	MO	2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator	18,966.22	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0403	DAY	3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator	1,504.45	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0404	WK	3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator	5,430.16	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0405	MO	3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator	19,191.18	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0406	DAY	3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator	1,594.43	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0407	WK	3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator	5,670.11	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0408	MO	3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator	19,791.06	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0409	DAY	4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator	1,841.88	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0410	WK	4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator	11,308.98	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0411	MO	4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator	21,440.73	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0412	DAY	7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator	2,479.26	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0413	WK	7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator	10,514.14	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0414	MO	7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator	35,537.91	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0415	DAY	13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator	6,678.34	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0416	WK	13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator	22,758.98	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0417	MO	13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator	66,875.72	
		For Equipment Without Operator, Deduct	*-13,192.38*	

01 22 23 00-0418 Shoring *(01 22 23 00-0238)*

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

01 22 23 00-0419 Aluminum Hydraulic Shoring *(01 22 23 00-0418)*

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

01 22 23 00-0420	WK	2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	30.17
01 22 23 00-0421	MO	2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	88.99
01 22 23 00-0422	WK	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	40.47
01 22 23 00-0423	MO	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	119.38
01 22 23 00-0424	WK	Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	75.05
01 22 23 00-0425	MO	Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	221.40
01 22 23 00-0426	EA	Set-up And Remove Aluminum Hydraulic Shores, 1 Cylinder	21.35
01 22 23 00-0427	EA	Set-up And Remove Aluminum Hydraulic Shores, 2 Cylinders	34.16
01 22 23 00-0428	EA	Set-up And Remove Aluminum Hydraulic Shores, 3 Cylinders	56.93

01 22 23 00-0429 Trench Boxes/Trench Shields *(01 22 23 00-0238)*

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

01 22 23 00-0430	WK	4' x 6' Trench Box With Up To 48" Spreaders	162.38
01 22 23 00-0431	MO	4' x 6' Trench Box With Up To 48" Spreaders	487.13
01 22 23 00-0432	WK	6' x 6' Trench Box With Up To 48" Spreaders	183.33
01 22 23 00-0433	MO	6' x 6' Trench Box With Up To 48" Spreaders	549.99
01 22 23 00-0434	WK	8' x 6' Trench Box With Up To 48" Spreaders	193.81
01 22 23 00-0435	MO	8' x 6' Trench Box With Up To 48" Spreaders	581.42
01 22 23 00-0436	WK	4' x 8' Trench Box With Up To 48" Spreaders	178.09
01 22 23 00-0437	MO	4' x 8' Trench Box With Up To 48" Spreaders	534.28
01 22 23 00-0438	WK	6' x 8' Trench Box With Up To 48" Spreaders	209.52

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0439	MO	6' x 8' Trench Box With Up To 48" Spreaders	628.56	
01 22 23 00-0440	WK	8' x 8' Trench Box With Up To 48" Spreaders	235.71	
01 22 23 00-0441	MO	8' x 8' Trench Box With Up To 48" Spreaders	707.13	
01 22 23 00-0442	WK	4' x 10' Trench Box With Up To 48" Spreaders	199.04	
01 22 23 00-0443	MO	4' x 10' Trench Box With Up To 48" Spreaders	597.13	
01 22 23 00-0444	WK	6' x 10' Trench Box With Up To 48" Spreaders	235.71	
01 22 23 00-0445	MO	6' x 10' Trench Box With Up To 48" Spreaders	707.13	
01 22 23 00-0446	WK	8' x 10' Trench Box With Up To 48" Spreaders	288.09	
01 22 23 00-0447	MO	8' x 10' Trench Box With Up To 48" Spreaders	859.03	
01 22 23 00-0448	WK	4' x 12' Trench Box With Up To 48" Spreaders	235.71	
01 22 23 00-0449	MO	4' x 12' Trench Box With Up To 48" Spreaders	707.13	
01 22 23 00-0450	WK	6' x 12' Trench Box With Up To 48" Spreaders	288.09	
01 22 23 00-0451	MO	6' x 12' Trench Box With Up To 48" Spreaders	864.27	
01 22 23 00-0452	WK	8' x 12' Trench Box With Up To 48" Spreaders	366.66	
01 22 23 00-0453	MO	8' x 12' Trench Box With Up To 48" Spreaders	1,099.98	
01 22 23 00-0454	WK	4' x 14' Trench Box With Up To 48" Spreaders	261.90	
01 22 23 00-0455	MO	4' x 14' Trench Box With Up To 48" Spreaders	785.70	
01 22 23 00-0456	WK	6' x 14' Trench Box With Up To 48" Spreaders	340.47	
01 22 23 00-0457	MO	6' x 14' Trench Box With Up To 48" Spreaders	1,021.41	
01 22 23 00-0458	WK	8' x 14' Trench Box With Up To 48" Spreaders	419.04	
01 22 23 00-0459	MO	8' x 14' Trench Box With Up To 48" Spreaders	1,257.12	
01 22 23 00-0460	WK	4' x 16' Trench Box With Up To 48" Spreaders	288.09	
01 22 23 00-0461	MO	4' x 16' Trench Box With Up To 48" Spreaders	864.27	
01 22 23 00-0462	WK	6' x 16' Trench Box With Up To 48" Spreaders	392.85	
01 22 23 00-0463	MO	6' x 16' Trench Box With Up To 48" Spreaders	1,178.55	
01 22 23 00-0464	WK	8' x 16' Trench Box With Up To 48" Spreaders	471.42	
01 22 23 00-0465	MO	8' x 16' Trench Box With Up To 48" Spreaders	1,414.26	
01 22 23 00-0466	WK	4' x 20' Trench Box With Up To 48" Spreaders	340.47	
01 22 23 00-0467	MO	4' x 20' Trench Box With Up To 48" Spreaders	1,021.41	
01 22 23 00-0468	WK	6' x 20' Trench Box With Up To 48" Spreaders	471.42	
01 22 23 00-0469	MO	6' x 20' Trench Box With Up To 48" Spreaders	1,414.26	
01 22 23 00-0470	WK	8' x 20' Trench Box With Up To 48" Spreaders	549.99	
01 22 23 00-0471	MO	8' x 20' Trench Box With Up To 48" Spreaders	1,649.97	
01 22 23 00-0472	WK	4' x 24' Trench Box With Up To 48" Spreaders	471.42	
01 22 23 00-0473	MO	4' x 24' Trench Box With Up To 48" Spreaders	1,414.26	
01 22 23 00-0474	WK	6' x 24' Trench Box With Up To 48" Spreaders	576.18	
01 22 23 00-0475	MO	6' x 24' Trench Box With Up To 48" Spreaders	1,728.54	
01 22 23 00-0476	WK	8' x 24' Trench Box With Up To 48" Spreaders	628.56	
01 22 23 00-0477	MO	8' x 24' Trench Box With Up To 48" Spreaders	1,885.68	
01 22 23 00-0478	WK	For Spreaders >48" To 84", Add	15.71	
01 22 23 00-0479	MO	For Spreaders >48" To 84", Add	47.14	
01 22 23 00-0480	WK	For Spreaders >84" To 120", Add	94.28	
01 22 23 00-0481	MO	For Spreaders >84" To 120", Add	282.85	
01 22 23 00-0482	WK	For Spreaders >120", Add	199.04	
01 22 23 00-0483	MO	For Spreaders >120", Add	597.13	
01 22 23 00-0484	WK	8' x 4' Manhole Box	247.50	
01 22 23 00-0485	MO	8' x 4' Manhole Box	742.49	
01 22 23 00-0486	WK	8' x 8' Manhole Box	353.57	
01 22 23 00-0487	MO	8' x 8' Manhole Box	1,060.70	

01 22 23 00-0488 Trenchers *(01 22 23 00-0238)*

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

01 22 23 00-0489	DAY	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	971.06	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0490	WK	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	4,283.23	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0491	MO	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	16,557.33	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0492	DAY	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	1,576.75	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0493	WK	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	6,324.63	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0494	MO	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	22,165.58	
		For Equipment Without Operator, Deduct	*-13,192.38*	

01 22 23 00-0495 Heavy Equipment Mats *(01 22 23 00-0238)*

Note: Rental price per mat. Excludes mobilization and demobilization. See CSI section 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

01 22 23 00-0496	Day	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	20.00	
01 22 23 00-0497	WK	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	47.62	
01 22 23 00-0498	MO	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	100.00	
01 22 23 00-0499	Day	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	21.00	
01 22 23 00-0500	WK	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	50.00	
01 22 23 00-0501	MO	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	105.00	
01 22 23 00-0502	Day	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	17.00	
01 22 23 00-0503	WK	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	40.00	
01 22 23 00-0504	MO	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	85.00	
01 22 23 00-0505	Day	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	19.00	
01 22 23 00-0506	WK	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	45.00	
01 22 23 00-0507	MO	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	95.00	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0508	Day	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	21.00	
01 22 23 00-0509	WK	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	50.00	
01 22 23 00-0510	MO	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	105.00	
01 22 23 00-0511	Day	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	23.00	
01 22 23 00-0512	WK	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	54.76	
01 22 23 00-0513	MO	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	115.00	
01 22 23 00-0514	Day	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	18.00	
01 22 23 00-0515	WK	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	50.00	
01 22 23 00-0516	MO	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	90.00	
01 22 23 00-0517	Day	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	21.00	
01 22 23 00-0518	WK	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	50.00	
01 22 23 00-0519	MO	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	105.00	
01 22 23 00-0520	Day	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	25.00	
01 22 23 00-0521	WK	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	55.00	
01 22 23 00-0522	MO	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	125.00	
01 22 23 00-0523	Day	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	27.00	
01 22 23 00-0524	WK	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	64.29	
01 22 23 00-0525	MO	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	135.00	
01 22 23 00-0526	Day	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	29.00	
01 22 23 00-0527	WK	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	69.05	
01 22 23 00-0528	MO	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	145.00	
01 22 23 00-0529	Day	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	30.00	
01 22 23 00-0530	WK	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	71.43	
01 22 23 00-0531	MO	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	150.00	
01 22 23 00-0532	Day	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	9.62	
01 22 23 00-0533	WK	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	24.05	
01 22 23 00-0534	MO	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	72.15	
01 22 23 00-0535	Day	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	11.50	
01 22 23 00-0536	WK	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	28.75	
01 22 23 00-0537	MO	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	86.25	
01 22 23 00-0538	Day	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	13.13	
01 22 23 00-0539	WK	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	32.83	
01 22 23 00-0540	MO	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	98.50	
01 22 23 00-0541	Day	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	14.00	
01 22 23 00-0542	WK	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	35.00	
01 22 23 00-0543	MO	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	105.00	
01 22 23 00-0544	Day	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	16.00	
01 22 23 00-0545	WK	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	40.00	
01 22 23 00-0546	MO	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	120.00	
01 22 23 00-0547	Day	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	18.39	
01 22 23 00-0548	WK	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	45.97	
01 22 23 00-0549	MO	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	137.90	
01 22 23 00-0550	Day	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	14.15	
01 22 23 00-0551	WK	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	35.37	
01 22 23 00-0552	MO	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	106.10	
01 22 23 00-0553	Day	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	19.15	
01 22 23 00-0554	WK	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	47.88	
01 22 23 00-0555	MO	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	143.65	
01 22 23 00-0556	Day	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	16.56	
01 22 23 00-0557	WK	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	41.40	
01 22 23 00-0558	MO	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	124.20	
01 22 23 00-0559	Day	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	27.62	
01 22 23 00-0560	WK	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	69.05	
01 22 23 00-0561	MO	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	207.14	
01 22 23 00-0562	Day	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	29.44	
01 22 23 00-0563	WK	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	73.60	
01 22 23 00-0564	MO	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	220.80	

01 22 23 00-0565 Electrical Equipment *(01 22 23)*

01 22 23 00-0566 Tripod Mounted Floodlights *(01 22 23 00-0565)*

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

01 22 23 00-0567	DAY	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	59.56	
01 22 23 00-0568	WK	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	140.91	
01 22 23 00-0569	MO	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	297.80	
01 22 23 00-0570	DAY	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	59.56	
01 22 23 00-0571	WK	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	174.32	
01 22 23 00-0572	MO	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	515.71	
01 22 23 00-0573	DAY	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	66.82	
01 22 23 00-0574	WK	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	181.59	
01 22 23 00-0575	MO	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	443.07	

01 22 23 00-0576 Trailer Mounted Floodlights *(01 22 23 00-0565)*

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

01 22 23 00-0577	DAY	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	167.06	
01 22 23 00-0578	WK	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	370.44	
01 22 23 00-0579	MO	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	798.98	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 22 23 00-0580 Generator Sets *(01 22 23 00-0565)*

01 22 23 00-0581 Portable, Gas Or Diesel Powered Generator Sets *(01 22 23 00-0580)*

Note: With 24 hour day-tank. Includes delivery to job site and pick-up when complete. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0664 for reimbursable fuel fees.

01 22 23 00-0582	DAY	3.6 KW, 8 HP Gas Powered Generator Set	42.79	
		For LP Or NG Gas, Add	*5.35*	
01 22 23 00-0583	WK	3.6 KW, 8 HP Gas Powered Generator Set	154.26	
		For LP Or NG Gas, Add	*19.28*	
01 22 23 00-0584	MO	3.6 KW, 8 HP Gas Powered Generator Set	427.94	
		For LP Or NG Gas, Add	*53.49*	
01 22 23 00-0585	DAY	5 KW, 11 HP Gas Powered Generator Set	60.71	
		For LP Or NG Gas, Add	*7.59*	
01 22 23 00-0586	WK	5 KW, 11 HP Gas Powered Generator Set	194.06	
		For LP Or NG Gas, Add	*24.26*	
01 22 23 00-0587	MO	5 KW, 11 HP Gas Powered Generator Set	442.86	
		For LP Or NG Gas, Add	*55.36*	
01 22 23 00-0588	DAY	6.5 KW, 13 HP Gas Powered Generator Set	77.63	
		For LP Or NG Gas, Add	*9.70*	
01 22 23 00-0589	WK	6.5 KW, 13 HP Gas Powered Generator Set	208.99	
		For LP Or NG Gas, Add	*26.12*	
01 22 23 00-0590	MO	6.5 KW, 13 HP Gas Powered Generator Set	577.22	
		For LP Or NG Gas, Add	*72.15*	
01 22 23 00-0591	DAY	10 KW, 18 HP Gas Powered Generator Set	86.58	
		For LP Or NG Gas, Add	*10.82*	
01 22 23 00-0592	WK	10 KW, 18 HP Gas Powered Generator Set	233.87	
		For LP Or NG Gas, Add	*29.23*	
01 22 23 00-0593	MO	10 KW, 18 HP Gas Powered Generator Set	671.76	
		For LP Or NG Gas, Add	*83.97*	

01 22 23 00-0594 Towable, Diesel Powered Generator Sets *(01 22 23 00-0580)*

Note: Includes 24 hour day-tank on sizes up to 180KW, 40 hour day-tank for sizes greater than 180KW To 300 KW and 1000 gallon for sizes greater than 300KW. Multi-voltage transformer unless stated otherwise, trailer mounted including sound attenuation and control panel. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0664 for reimbursable fuel fees.

01 22 23 00-0595	DAY	20 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load – 1.7 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 1.0 gallons per hour.	178.14	
01 22 23 00-0596	WK	20 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load – 1.7 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 1.0 gallons per hour.	465.75	
01 22 23 00-0597	MO	20 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load – 1.7 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 1.0 gallons per hour.	1,268.88	
01 22 23 00-0598	DAY	40.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 3.1 gallons per hour, 75% load - 2.3 gallons per hour, 50% load - 1.7 gallons per hour.	198.45	
01 22 23 00-0599	WK	40.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 3.1 gallons per hour, 75% load - 2.3 gallons per hour, 50% load - 1.7 gallons per hour.	446.98	
01 22 23 00-0600	MO	40.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 3.1 gallons per hour, 75% load - 2.3 gallons per hour, 50% load - 1.7 gallons per hour.	1,190.70	
01 22 23 00-0601	DAY	70.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load – 6.25 gallons per hour, 75% load - 10.0 gallons per hour, 50% load - 3.8 gallons per hour.	259.88	
01 22 23 00-0602	WK	70.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load – 6.25 gallons per hour, 75% load - 10.0 gallons per hour, 50% load - 3.8 gallons per hour.	582.75	
01 22 23 00-0603	MO	70.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load – 6.25 gallons per hour, 75% load - 10.0 gallons per hour, 50% load - 3.8 gallons per hour.	1,618.31	
01 22 23 00-0604	DAY	100.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 7.9 gallons per hour, 75% load - 5.9 gallons per hour, 50% load - 4.2 gallons per hour.	326.81	
01 22 23 00-0605	WK	100.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 7.9 gallons per hour, 75% load - 5.9 gallons per hour, 50% load - 4.2 gallons per hour.	720.56	
01 22 23 00-0606	MO	100.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 7.9 gallons per hour, 75% load - 5.9 gallons per hour, 50% load - 4.2 gallons per hour.	2,051.44	
01 22 23 00-0607	DAY	120.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.7 gallons per hour, 75% load - 8.3 gallons per hour, 50% load - 6.5 gallons per hour.	336.66	
01 22 23 00-0608	WK	120.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.7 gallons per hour, 75% load - 8.3 gallons per hour, 50% load - 6.5 gallons per hour.	775.69	
01 22 23 00-0609	MO	120.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.7 gallons per hour, 75% load - 8.3 gallons per hour, 50% load - 6.5 gallons per hour.	2,390.06	
01 22 23 00-0610	DAY	150.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.7 gallons per hour, 75% load - 8.3 gallons per hour, 50% load - 6.5 gallons per hour.	346.50	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0611	WK	150.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.7 gallons per hour, 75% load - 8.3 gallons per hour, 50% load - 6.5 gallons per hour.	826.88	
01 22 23 00-0612	MO	150.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.7 gallons per hour, 75% load - 8.3 gallons per hour, 50% load - 6.5 gallons per hour.	2,728.69	
01 22 23 00-0613	DAY	175.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 16.1 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.9 gallons per hour.	379.58	
01 22 23 00-0614	WK	175.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 16.1 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.9 gallons per hour.	863.10	
01 22 23 00-0615	MO	175.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 16.1 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.9 gallons per hour	2,866.50	
01 22 23 00-0616	DAY	250.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 19.4 gallons per hour, 75% load - 15.5 gallons per hour, 50% load - 11.6 gallons per hour.	472.50	
01 22 23 00-0617	WK	250.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 19.4 gallons per hour, 75% load - 15.5 gallons per hour, 50% load - 11.6 gallons per hour.	1,208.81	
01 22 23 00-0618	MO	250.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 19.4 gallons per hour, 75% load - 15.5 gallons per hour, 50% load - 11.6 gallons per hour.	3,189.38	
01 22 23 00-0619	DAY	300.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 22.7 gallons per hour, 75% load - 17.6 gallons per hour, 50% load - 13.6 gallons per hour.	535.50	
01 22 23 00-0620	WK	300.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 22.7 gallons per hour, 75% load - 17.6 gallons per hour, 50% load - 13.6 gallons per hour.	1,299.38	
01 22 23 00-0621	MO	300.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 22.7 gallons per hour, 75% load - 17.6 gallons per hour, 50% load - 13.6 gallons per hour.	3,543.75	
01 22 23 00-0622	DAY	350.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 29.1 gallons per hour, 75% load - 23.9 gallons per hour, 50% load - 18.3 gallons per hour.	756.00	
01 22 23 00-0623	WK	350.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 29.1 gallons per hour, 75% load - 23.9 gallons per hour, 50% load - 18.3 gallons per hour.	1,701.00	
01 22 23 00-0624	MO	350.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 29.1 gallons per hour, 75% load - 23.9 gallons per hour, 50% load - 18.3 gallons per hour.	4,536.00	
01 22 23 00-0625	DAY	400.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 32.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 19.9 gallons per hour.	807.19	
01 22 23 00-0626	WK	400.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 32.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 19.9 gallons per hour.	1,953.00	
01 22 23 00-0627	MO	400.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 32.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 19.9 gallons per hour.	5,709.38	
01 22 23 00-0628	DAY	500.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 37.4 gallons per hour, 75% load - 28.5 gallons per hour, 50% load - 23.7 gallons per hour.	900.90	
01 22 23 00-0629	WK	500.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 37.4 gallons per hour, 75% load - 28.5 gallons per hour, 50% load - 23.7 gallons per hour.	2,047.50	
01 22 23 00-0630	MO	500.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 37.4 gallons per hour, 75% load - 28.5 gallons per hour, 50% load - 23.7 gallons per hour.	6,142.50	
01 22 23 00-0631	DAY	750.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 54.8 gallons per hour, 75% load - 40.9 gallons per hour, 50% load - 28.8 gallons per hour.	1,260.00	
01 22 23 00-0632	WK	750.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 54.8 gallons per hour, 75% load - 40.9 gallons per hour, 50% load - 28.8 gallons per hour.	3,150.00	
01 22 23 00-0633	MO	750.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 54.8 gallons per hour, 75% load - 40.9 gallons per hour, 50% load - 28.8 gallons per hour.	9,450.00	
01 22 23 00-0634	EA	Up To 300 KW Generator Set Delivery, Set-Up, Testing And Pick-up	640.18	
01 22 23 00-0635	EA	350 To 750 KW Generator Set Delivery, Set-Up, Testing And Pick-up	1,044.12	

01 22 23 00-0636 Cabling For Generator Sets *(01 22 23 00-0580)*

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

01 22 23 00-0637	DAY	#1 Banded Cable, 50' With Camlock Ends For Generator Set	17.32	
01 22 23 00-0638	WK	#1 Banded Cable, 50' With Camlock Ends For Generator Set	30.32	
01 22 23 00-0639	MO	#1 Banded Cable, 50' With Camlock Ends For Generator Set	90.96	
01 22 23 00-0640	DAY	50', 4/0 Cable With Camlock Ends For Generator Set	8.66	
01 22 23 00-0641	WK	50', 4/0 Cable With Camlock Ends For Generator Set	25.20	
01 22 23 00-0642	MO	50', 4/0 Cable With Camlock Ends For Generator Set	70.09	

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CSI	UOM	MINOR DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0643		**Resistive Loadbanks** *(01 22 23 00-0580)* Note: Includes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0664 for reimbursable fuel fees.		
01 22 23 00-0644	DAY	100 KW A/C Resistive Loadbank	375.52	
01 22 23 00-0645	WK	100 KW A/C Resistive Loadbank	926.82	
01 22 23 00-0646	MO	100 KW A/C Resistive Loadbank	2,772.48	
01 22 23 00-0647	DAY	650 KW A/C Resistive Loadbank	632.80	
01 22 23 00-0648	WK	650 KW A/C Resistive Loadbank	1,692.25	
01 22 23 00-0649	MO	650 KW A/C Resistive Loadbank	4,314.52	
01 22 23 00-0650		**Sub-Distribution Panels (Spider Box)** *(01 22 23 00-0580)* Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0651	DAY	Sub-Distribution Panel (Spider Box)	42.52	
01 22 23 00-0652	WK	Sub-Distribution Panel (Spider Box)	110.25	
01 22 23 00-0653	MO	Sub-Distribution Panel (Spider Box)	311.06	
01 22 23 00-0654		**Portable Distribution Panels** *(01 22 23 00-0580)* Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0655	DAY	200 Amp Spider Box Feeder Panel	94.50	
01 22 23 00-0656	WK	200 Amp Spider Box Feeder Panel	255.94	
01 22 23 00-0657	MO	200 Amp Spider Box Feeder Panel	716.62	
01 22 23 00-0658	DAY	100 Amp Quad Box Panel	77.18	
01 22 23 00-0659	WK	100 Amp Quad Box Panel	200.81	
01 22 23 00-0660	MO	100 Amp Quad Box Panel	570.94	
01 22 23 00-0661	DAY	200 Amp Quad Box Panel	98.44	
01 22 23 00-0662	WK	200 Amp Quad Box Panel	248.06	
01 22 23 00-0663	MO	200 Amp Quad Box Panel	673.31	
01 22 23 00-0664		**Fuel Reimbursement For Generators** *(01 22 23 00-0580)*		
01 22 23 00-0665	EA	Fuel Reimbursement For Generators Note: Purchases made by the contractor for fuel will be reimbursed to the Contractor at the actual cost of the purchase, without mark-up, for which a receipt or bill is received. The Adjustment Factor applied to Reimbursable Fees will be 1.0000. The base cost of the purchase is $1.00, quantity will adjust cost to actual purchase cost; i.e., quantity of 125 = $125.00 purchase. If there are multiple purchases, each one shall be listed separately with a comment in the "note" block to identify the purchase.	1.00	
01 22 23 00-0666		**Space Heaters** *(01 22 23 00-0565)* Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0667	DAY	150,000 BTU/Hour Space Heater	46.52	
01 22 23 00-0668	WK	150,000 BTU/Hour Space Heater	133.74	
01 22 23 00-0669	MO	150,000 BTU/Hour Space Heater	377.98	
01 22 23 00-0670	DAY	500,000 BTU/Hour Space Heater	98.86	
01 22 23 00-0671	WK	500,000 BTU/Hour Space Heater	244.23	
01 22 23 00-0672	MO	500,000 BTU/Hour Space Heater	617.55	
01 22 23 00-0673		**General Equipment** *(01 22 23)*		
01 22 23 00-0674		**Jacks And Bracing** *(01 22 23 00-0673)* Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0675		**Manual Hydraulic Jacks** *(01 22 23 00-0674)*		
01 22 23 00-0676	DAY	12 Ton Manual Hydraulic Bottle Jack	14.19	
01 22 23 00-0677	WK	12 Ton Manual Hydraulic Bottle Jack	36.90	
01 22 23 00-0678	MO	12 Ton Manual Hydraulic Bottle Jack	65.28	
01 22 23 00-0679	DAY	20 Ton Manual Hydraulic Bottle Jack	28.38	
01 22 23 00-0680	WK	20 Ton Manual Hydraulic Bottle Jack	79.48	
01 22 23 00-0681	MO	20 Ton Manual Hydraulic Bottle Jack	156.11	
01 22 23 00-0682	DAY	50 Ton Manual Hydraulic Bottle Jack	44.00	
01 22 23 00-0683	WK	50 Ton Manual Hydraulic Bottle Jack	109.28	
01 22 23 00-0684	MO	50 Ton Manual Hydraulic Bottle Jack	184.50	
01 22 23 00-0685	DAY	100 Ton Manual Hydraulic Bottle Jack	116.37	
01 22 23 00-0686	WK	100 Ton Manual Hydraulic Bottle Jack	279.58	
01 22 23 00-0687	MO	100 Ton Manual Hydraulic Bottle Jack	465.50	
01 22 23 00-0688		**Manual Screw Jacks** *(01 22 23 00-0674)*		
01 22 23 00-0689	DAY	10 To 20 Ton Manual Screw Jack	13.67	
01 22 23 00-0690	WK	10 To 20 Ton Manual Screw Jack	36.81	
01 22 23 00-0691	MO	10 To 20 Ton Manual Screw Jack	102.01	
01 22 23 00-0692		**Pressure Washers** *(01 22 23 00-0673)* Note: Includes full-time operator, delivery, set-up, and removal.		
01 22 23 00-0693	DAY	2,000 PSI Pressure Washer With Full-Time Operator	678.71	
		For Equipment Without Operator, Deduct	*-543.97*	
01 22 23 00-0694	WK	2,000 PSI Pressure Washer With Full-Time Operator	3,061.86	
		For Equipment Without Operator, Deduct	*-2,719.83*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0695	MO	2,000 PSI Pressure Washer With Full-Time Operator	12,594.03	
		For Equipment Without Operator, Deduct	*-11,723.41*	
01 22 23 00-0696	DAY	2,500 PSI Pressure Washer With Full-Time Operator	678.71	
		For Equipment Without Operator, Deduct	*-543.97*	
01 22 23 00-0697	WK	2,500 PSI Pressure Washer With Full-Time Operator	3,061.86	
		For Equipment Without Operator, Deduct	*-2,719.83*	
01 22 23 00-0698	MO	2,500 PSI Pressure Washer With Full-Time Operator	12,594.03	
		For Equipment Without Operator, Deduct	*-11,723.41*	
01 22 23 00-0699	DAY	3,000 PSI Pressure Washer With Full-Time Operator	678.71	
		For Equipment Without Operator, Deduct	*-543.97*	
01 22 23 00-0700	WK	3,000 PSI Pressure Washer With Full-Time Operator	3,061.86	
		For Equipment Without Operator, Deduct	*-2,719.83*	
01 22 23 00-0701	MO	3,000 PSI Pressure Washer With Full-Time Operator	12,594.03	
		For Equipment Without Operator, Deduct	*-11,723.41*	
01 22 23 00-0702	DAY	3,500 PSI Pressure Washer With Full-Time Operator	689.07	
		For Equipment Without Operator, Deduct	*-543.97*	
01 22 23 00-0703	WK	3,500 PSI Pressure Washer With Full-Time Operator	3,092.95	
		For Equipment Without Operator, Deduct	*-2,719.83*	
01 22 23 00-0704	MO	3,500 PSI Pressure Washer With Full-Time Operator	12,676.94	
		For Equipment Without Operator, Deduct	*-11,723.41*	
01 22 23 00-0705	DAY	4,000 PSI Pressure Washer With Full-Time Operator	730.53	
		For Equipment Without Operator, Deduct	*-543.97*	
01 22 23 00-0706	WK	4,000 PSI Pressure Washer With Full-Time Operator	3,227.69	
		For Equipment Without Operator, Deduct	*-2,719.83*	
01 22 23 00-0707	MO	4,000 PSI Pressure Washer With Full-Time Operator	13,143.35	
		For Equipment Without Operator, Deduct	*-11,723.41*	
01 22 23 00-0708	DAY	5,000 PSI Pressure Washer With Full-Time Operator	751.26	
		For Equipment Without Operator, Deduct	*-543.97*	
01 22 23 00-0709	WK	5,000 PSI Pressure Washer With Full-Time Operator	3,279.51	
		For Equipment Without Operator, Deduct	*-2,719.83*	
01 22 23 00-0710	MO	5,000 PSI Pressure Washer With Full-Time Operator	13,298.81	
		For Equipment Without Operator, Deduct	*-11,723.41*	

01 22 23 00-0711 Confined Space Entry Equipment *(01 22 23 00-0673)*

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

01 22 23 00-0712	DAY	Ventilation Equipment For Confined Space Note: Includes electric or gas blower and ventilation duct up to 25'.	47.47	
01 22 23 00-0713	WK	Ventilation Equipment For Confined Space Note: Includes electric or gas blower and ventilation duct up to 25'.	142.42	
01 22 23 00-0714	MO	Ventilation Equipment For Confined Space Note: Includes electric or gas blower and ventilation duct up to 25'.	424.99	
01 22 23 00-0715	DAY	Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	31.98	
01 22 23 00-0716	WK	Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	95.95	
01 22 23 00-0717	MO	Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	287.85	
01 22 23 00-0718	DAY	Confined Space Air Monitor Personnel Note: Per person day.	572.77	

01 22 23 00-0719 Material Handling Equipment *(01 22 23)*

01 22 23 00-0720 Truck Mounted Hydraulic Cranes *(01 22 23 00-0719)*

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

01 22 23 00-0721	DAY	6 Ton Lift Hydraulic Crane With Full-Time Operator	1,020.47	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0722	WK	6 Ton Lift Hydraulic Crane With Full-Time Operator	4,297.66	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0723	MO	6 Ton Lift Hydraulic Crane With Full-Time Operator	16,915.48	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0724	DAY	8 To 9 Ton Lift Hydraulic Crane With Full-Time Operator	1,128.56	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0725	WK	8 To 9 Ton Lift Hydraulic Crane With Full-Time Operator	4,618.93	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0726	MO	8 To 9 Ton Lift Hydraulic Crane With Full-Time Operator	17,876.28	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0727	DAY	14 To 15 Ton Lift Hydraulic Crane With Full-Time Operator	1,236.65	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0728	WK	14 To 15 Ton Lift Hydraulic Crane With Full-Time Operator	4,940.19	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0729	MO	14 To 15 Ton Lift Hydraulic Crane With Full-Time Operator	18,837.08	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0730	DAY	20 To 25 Ton Lift Hydraulic Crane With Full-Time Operator	1,380.77	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0731	WK	20 To 25 Ton Lift Hydraulic Crane With Full-Time Operator	5,372.55	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0732	MO	20 To 25 Ton Lift Hydraulic Crane With Full-Time Operator	20,128.16	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0733	DAY	30 To 35 Ton Lift Hydraulic Crane With Full-Time Operator	1,512.88	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0734	WK	30 To 35 Ton Lift Hydraulic Crane With Full-Time Operator	6,267.30	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0735	MO	30 To 35 Ton Lift Hydraulic Crane With Full-Time Operator	22,809.99	
		For Equipment Without Operator, Deduct	*-13,192.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0736	DAY	40 To 45 Ton Lift Hydraulic Crane With Full-Time Operator	1,825.14	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0737	WK	40 To 45 Ton Lift Hydraulic Crane With Full-Time Operator	7,384.23	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0738	MO	40 To 45 Ton Lift Hydraulic Crane With Full-Time Operator	26,163.18	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0739	DAY	50 To 55 Ton Lift Hydraulic Crane With Full-Time Operator	2,023.31	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0740	WK	50 To 55 Ton Lift Hydraulic Crane With Full-Time Operator	8,080.81	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0741	MO	50 To 55 Ton Lift Hydraulic Crane With Full-Time Operator	28,257.72	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0742	DAY	60 To 65 Ton Lift Hydraulic Crane With Full-Time Operator	2,179.43	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0743	WK	60 To 65 Ton Lift Hydraulic Crane With Full-Time Operator	8,645.28	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0744	MO	60 To 65 Ton Lift Hydraulic Crane With Full-Time Operator	29,948.73	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0745	DAY	70 To 75 Ton Lift Hydraulic Crane With Full-Time Operator	2,335.57	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0746	WK	70 To 75 Ton Lift Hydraulic Crane With Full-Time Operator	9,209.75	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0747	MO	70 To 75 Ton Lift Hydraulic Crane With Full-Time Operator	31,639.74	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0748	DAY	90 Ton Lift Hydraulic Crane With Full-Time Operator	2,437.65	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0749	WK	90 Ton Lift Hydraulic Crane With Full-Time Operator	9,558.04	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0750	MO	90 Ton Lift Hydraulic Crane With Full-Time Operator	32,696.62	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0751	DAY	100 Ton Lift Hydraulic Crane With Full-Time Operator	2,575.77	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0752	WK	100 Ton Lift Hydraulic Crane With Full-Time Operator	10,074.47	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0753	MO	100 Ton Lift Hydraulic Crane With Full-Time Operator	34,233.90	
		For Equipment Without Operator, Deduct	*-13,192.38*	

01 22 23 00-0754 Cranes, Mechanical, Cable Controlled Lattice Boom, Truck Mounted *(01 22 23 00-0719)*

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

01 22 23 00-0755	DAY	75 To 80 Ton Lift Mechanical Crane With Full-Time Operator	2,053.33	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0756	WK	75 To 80 Ton Lift Mechanical Crane With Full-Time Operator	8,200.91	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0757	MO	75 To 80 Ton Lift Mechanical Crane With Full-Time Operator	28,613.22	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0758	DAY	100 To 110 Ton Lift Mechanical Crane With Full-Time Operator	3,164.25	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0759	WK	100 To 110 Ton Lift Mechanical Crane With Full-Time Operator	10,050.45	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0760	MO	100 To 110 Ton Lift Mechanical Crane With Full-Time Operator	34,161.84	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0761	DAY	125 Ton Lift Mechanical Crane With Full-Time Operator	3,344.41	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0762	WK	125 Ton Lift Mechanical Crane With Full-Time Operator	11,365.55	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0763	MO	125 Ton Lift Mechanical Crane With Full-Time Operator	38,105.92	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0764	DAY	150 Ton Lift Mechanical Crane With Full-Time Operator	3,704.71	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0765	WK	150 Ton Lift Mechanical Crane With Full-Time Operator	12,680.64	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0766	MO	150 Ton Lift Mechanical Crane With Full-Time Operator	42,045.20	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0767	DAY	250 Ton Lift Mechanical Crane With Full-Time Operator	4,046.99	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0768	WK	250 Ton Lift Mechanical Crane With Full-Time Operator	15,310.83	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0769	MO	250 Ton Lift Mechanical Crane With Full-Time Operator	49,942.98	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0770	DAY	300 Ton Lift Mechanical Crane With Full-Time Operator	4,611.46	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0771	WK	300 Ton Lift Mechanical Crane With Full-Time Operator	17,334.51	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0772	MO	300 Ton Lift Mechanical Crane With Full-Time Operator	56,005.63	
		For Equipment Without Operator, Deduct	*-13,192.38*	
01 22 23 00-0773	DAY	500 Ton Lift Mechanical Crane With Full-Time Operator	8,082.35	
		For Equipment Without Operator, Deduct	*-612.13*	
01 22 23 00-0774	WK	500 Ton Lift Mechanical Crane With Full-Time Operator	29,704.81	
		For Equipment Without Operator, Deduct	*-3,060.63*	
01 22 23 00-0775	MO	500 Ton Lift Mechanical Crane With Full-Time Operator	93,130.94	
		For Equipment Without Operator, Deduct	*-13,192.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 22 23 00-0776 Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklifts *(01 22 23 00-0719)*

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

01 22 23 00-0777	DAY	5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,098.69	
		For Equipment Without Operator, Deduct	*-572.77*	
01 22 23 00-0778	WK	5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	4,150.99	
		For Equipment Without Operator, Deduct	*-2,863.87*	
01 22 23 00-0779	MO	5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	15,112.28	
		For Equipment Without Operator, Deduct	*-12,344.28*	
01 22 23 00-0780	DAY	6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,154.05	
		For Equipment Without Operator, Deduct	*-572.77*	
01 22 23 00-0781	WK	6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	4,275.55	
		For Equipment Without Operator, Deduct	*-2,863.87*	
01 22 23 00-0782	MO	6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	15,389.08	
		For Equipment Without Operator, Deduct	*-12,344.28*	
01 22 23 00-0783	DAY	8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,140.21	
		For Equipment Without Operator, Deduct	*-572.77*	
01 22 23 00-0784	WK	8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	4,337.83	
		For Equipment Without Operator, Deduct	*-2,863.87*	
01 22 23 00-0785	MO	8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	15,804.28	
		For Equipment Without Operator, Deduct	*-12,344.28*	
01 22 23 00-0786	DAY	10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,299.37	
		For Equipment Without Operator, Deduct	*-572.77*	
01 22 23 00-0787	WK	10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	4,753.03	
		For Equipment Without Operator, Deduct	*-2,863.87*	
01 22 23 00-0788	MO	10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	16,773.08	
		For Equipment Without Operator, Deduct	*-12,344.28*	

01 22 23 00-0789 Straight Mast, Rough Terrain Construction Forklifts *(01 22 23 00-0719)*

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

01 22 23 00-0790	DAY	5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	914.62	
		For Equipment Without Operator, Deduct	*-572.77*	
		For Propane Instead Of Gas Or Diesel, Add	*68.37*	
01 22 23 00-0791	WK	5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	3,797.38	
		For Equipment Without Operator, Deduct	*-2,863.87*	
		For Propane Instead Of Gas Or Diesel, Add	*186.70*	
01 22 23 00-0792	MO	5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	14,480.83	
		For Equipment Without Operator, Deduct	*-12,344.28*	
		For Propane Instead Of Gas Or Diesel, Add	*427.31*	
01 22 23 00-0793	DAY	6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	932.61	
		For Equipment Without Operator, Deduct	*-572.77*	
		For Propane Instead Of Gas Or Diesel, Add	*71.97*	
01 22 23 00-0794	WK	6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	3,846.51	
		For Equipment Without Operator, Deduct	*-2,863.87*	
		For Propane Instead Of Gas Or Diesel, Add	*196.53*	
01 22 23 00-0795	MO	6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	14,593.28	
		For Equipment Without Operator, Deduct	*-12,344.28*	
		For Propane Instead Of Gas Or Diesel, Add	*449.80*	
01 22 23 00-0796	DAY	8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,029.49	
		For Equipment Without Operator, Deduct	*-572.77*	
		For Propane Instead Of Gas Or Diesel, Add	*91.34*	
01 22 23 00-0797	WK	8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	4,116.39	
		For Equipment Without Operator, Deduct	*-2,863.87*	
		For Propane Instead Of Gas Or Diesel, Add	*250.50*	
01 22 23 00-0798	MO	8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	15,216.08	
		For Equipment Without Operator, Deduct	*-12,344.28*	
		For Propane Instead Of Gas Or Diesel, Add	*574.36*	
01 22 23 00-0799	DAY	10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,082.84	
		For Equipment Without Operator, Deduct	*-572.77*	
		For Propane Instead Of Gas Or Diesel, Add	*102.01*	
01 22 23 00-0800	WK	10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	4,093.28	
		For Equipment Without Operator, Deduct	*-2,863.87*	
		For Propane Instead Of Gas Or Diesel, Add	*245.88*	
01 22 23 00-0801	MO	10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	15,404.72	
		For Equipment Without Operator, Deduct	*-12,344.28*	
		For Propane Instead Of Gas Or Diesel, Add	*612.09*	

01 22 23 00-0802 Straight Mast, Industrial Warehouse Forklifts *(01 22 23 00-0719)*

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

01 22 23 00-0803	DAY	5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	863.41	
		For Equipment Without Operator, Deduct	*-572.77*	
		For Propane Instead Of Gas Or Diesel, Add	*58.13*	
01 22 23 00-0804	WK	5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	3,528.19	
		For Equipment Without Operator, Deduct	*-2,863.87*	
		For Propane Instead Of Gas Or Diesel, Add	*132.86*	
01 22 23 00-0805	MO	5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	13,935.88	
		For Equipment Without Operator, Deduct	*-12,344.28*	
		For Propane Instead Of Gas Or Diesel, Add	*318.32*	
01 22 23 00-0806	DAY	6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	870.33	
		For Equipment Without Operator, Deduct	*-572.77*	
		For Propane Instead Of Gas Or Diesel, Add	*59.51*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0807	WK	6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	3,548.95	
		For Equipment Without Operator, Deduct	*-2,863.87*	
		For Propane Instead Of Gas Or Diesel, Add	*137.02*	
01 22 23 00-0808	MO	6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	13,984.32	
		For Equipment Without Operator, Deduct	*-12,344.28*	
		For Propane Instead Of Gas Or Diesel, Add	*328.01*	
01 22 23 00-0809	DAY	8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,015.65	
		For Equipment Without Operator, Deduct	*-572.77*	
		For Propane Instead Of Gas Or Diesel, Add	*88.58*	
01 22 23 00-0810	WK	8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	3,867.27	
		For Equipment Without Operator, Deduct	*-2,863.87*	
		For Propane Instead Of Gas Or Diesel, Add	*200.68*	
01 22 23 00-0811	MO	8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	14,766.28	
		For Equipment Without Operator, Deduct	*-12,344.28*	
		For Propane Instead Of Gas Or Diesel, Add	*484.40*	
01 22 23 00-0812	DAY	12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,029.49	
		For Equipment Without Operator, Deduct	*-572.77*	
		For Propane Instead Of Gas Or Diesel, Add	*91.34*	
01 22 23 00-0813	WK	12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	3,984.91	
		For Equipment Without Operator, Deduct	*-2,863.87*	
		For Propane Instead Of Gas Or Diesel, Add	*224.21*	
01 22 23 00-0814	MO	12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	15,181.48	
		For Equipment Without Operator, Deduct	*-12,344.28*	
		For Propane Instead Of Gas Or Diesel, Add	*567.44*	
01 22 23 00-0815	DAY	15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,154.05	
		For Equipment Without Operator, Deduct	*-572.77*	
		For Propane Instead Of Gas Or Diesel, Add	*116.26*	
01 22 23 00-0816	WK	15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	4,185.59	
		For Equipment Without Operator, Deduct	*-2,863.87*	
		For Propane Instead Of Gas Or Diesel, Add	*264.34*	
01 22 23 00-0817	MO	15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	15,527.48	
		For Equipment Without Operator, Deduct	*-12,344.28*	
		For Propane Instead Of Gas Or Diesel, Add	*636.64*	

01 22 23 00-0818 Chain Hoists *(01 22 23 00-0719)*

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

01 22 23 00-0819	DAY	1 Ton, 20' Lift, Manual Chain Hoist	14.19
01 22 23 00-0820	WK	1 Ton, 20' Lift, Manual Chain Hoist	38.32
01 22 23 00-0821	MO	1 Ton, 20' Lift, Manual Chain Hoist	96.51
01 22 23 00-0822	DAY	3 Ton, 20' Lift, Manual Chain Hoist	31.22
01 22 23 00-0823	WK	3 Ton, 20' Lift, Manual Chain Hoist	75.22
01 22 23 00-0824	MO	3 Ton, 20' Lift, Manual Chain Hoist	187.33
01 22 23 00-0825	DAY	5 Ton, 20' Lift, Manual Chain Hoist	45.41
01 22 23 00-0826	WK	5 Ton, 20' Lift, Manual Chain Hoist	109.28
01 22 23 00-0827	MO	5 Ton, 20' Lift, Manual Chain Hoist	272.49
01 22 23 00-0828	DAY	2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	90.83
01 22 23 00-0829	WK	2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	218.56
01 22 23 00-0830	MO	2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	544.97
01 22 23 00-0831	DAY	3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	102.18
01 22 23 00-0832	WK	3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	246.94
01 22 23 00-0833	MO	3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	613.09
01 22 23 00-0834	DAY	5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	127.73
01 22 23 00-0835	WK	5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	307.97
01 22 23 00-0836	MO	5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	766.37

01 22 23 00-0837 Pumping Equipment *(01 22 23)*

01 22 23 00-0838 Gas Powered Portable Centrifugal Pumps *(01 22 23 00-0837)*

Note: Includes delivery, set-up, and removal. Excludes operator. See CSI section 01 22 23 00-0862 for larger diameter pumps.

01 22 23 00-0839	DAY	8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	57.32
01 22 23 00-0840	WK	8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	128.96
01 22 23 00-0841	MO	8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	343.90
01 22 23 00-0842	DAY	16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	68.78
01 22 23 00-0843	WK	16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	154.75
01 22 23 00-0844	MO	16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	412.68

01 22 23 00-0845 Gas Powered Portable Diaphragm Pumps *(01 22 23 00-0837)*

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

01 22 23 00-0846	DAY	3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	65.91
01 22 23 00-0847	WK	3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	186.28
01 22 23 00-0848	MO	3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	472.86
01 22 23 00-0849	DAY	5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	80.24
01 22 23 00-0850	WK	5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	214.94
01 22 23 00-0851	MO	5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	608.98

01 22 23 00-0852 Gas Powered Portable Trash Pumps *(01 22 23 00-0837)*

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

01 22 23 00-0853	DAY	12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	83.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0854	WK	12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	171.95	
01 22 23 00-0855	MO	12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	515.84	
01 22 23 00-0856	DAY	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	83.11	
01 22 23 00-0857	WK	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	222.10	
01 22 23 00-0858	MO	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	608.98	
01 22 23 00-0859	DAY	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	131.83	
01 22 23 00-0860	WK	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	372.55	
01 22 23 00-0861	MO	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	1,081.84	

01 22 23 00-0862 Diesel Powered Portable Trash Pumps *(01 22 23 00-0837)*

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

01 22 23 00-0863	DAY	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	257.92	
01 22 23 00-0864	WK	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	702.12	
01 22 23 00-0865	MO	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	3,059.24	
01 22 23 00-0866	DAY	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	394.05	
01 22 23 00-0867	WK	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	1,031.69	
01 22 23 00-0868	MO	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	2,744.00	
01 22 23 00-0869	DAY	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	535.90	
01 22 23 00-0870	WK	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	1,434.33	
01 22 23 00-0871	MO	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	3,837.31	
01 22 23 00-0872	DAY	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	693.52	
01 22 23 00-0873	WK	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	1,771.06	
01 22 23 00-0874	MO	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	5,201.43	

01 22 23 00-0875 Diesel Powered Portable Silenced Environmental Trash Pumps *(01 22 23 00-0837)*

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

01 22 23 00-0876	DAY	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	368.26	
01 22 23 00-0877	WK	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	838.25	
01 22 23 00-0878	MO	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	2,613.61	
01 22 23 00-0879	DAY	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	451.36	
01 22 23 00-0880	WK	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,124.83	
01 22 23 00-0881	MO	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	3,059.24	
01 22 23 00-0882	DAY	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	544.50	
01 22 23 00-0883	WK	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,610.58	
01 22 23 00-0884	MO	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	4,492.14	
01 22 23 00-0885	DAY	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	819.62	
01 22 23 00-0886	WK	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	2,093.47	
01 22 23 00-0887	MO	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	6,147.14	

01 22 23 00-0888 3 Phase Electric Submersible Pumps *(01 22 23 00-0837)*

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

01 22 23 00-0889	DAY	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	143.29	
01 22 23 00-0890	WK	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	358.22	
01 22 23 00-0891	MO	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	1,074.68	
01 22 23 00-0892	DAY	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	189.14	
01 22 23 00-0893	WK	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	472.86	
01 22 23 00-0894	MO	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	1,418.57	

01 22 23 00-0895 Hydraulic Submersible Pumps *(01 22 23 00-0837)*

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

01 22 23 00-0896	DAY	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	94.57	
01 22 23 00-0897	WK	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	253.62	
01 22 23 00-0898	MO	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	709.29	
01 22 23 00-0899	DAY	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	120.36	
01 22 23 00-0900	WK	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	309.51	
01 22 23 00-0901	MO	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	945.71	

01 22 23 00-0902 Suction Hose With Couplings *(01 22 23 00-0837)*

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

01 22 23 00-0903	DAY	1-1/2" Inside Diameter, 20' Length, Suction Hose With Couplings	9.89	
01 22 23 00-0904	WK	1-1/2" Inside Diameter, 20' Length, Suction Hose With Couplings	24.72	
01 22 23 00-0905	MO	1-1/2" Inside Diameter, 20' Length, Suction Hose With Couplings	60.97	
01 22 23 00-0906	DAY	2" Inside Diameter, 20' Length, Suction Hose With Couplings	11.53	
01 22 23 00-0907	WK	2" Inside Diameter, 20' Length, Suction Hose With Couplings	26.37	
01 22 23 00-0908	MO	2" Inside Diameter, 20' Length, Suction Hose With Couplings	64.27	
01 22 23 00-0909	DAY	3" Inside Diameter, 20' Length, Suction Hose With Couplings	24.72	
01 22 23 00-0910	WK	3" Inside Diameter, 20' Length, Suction Hose With Couplings	54.38	
01 22 23 00-0911	MO	3" Inside Diameter, 20' Length, Suction Hose With Couplings	146.66	
01 22 23 00-0912	DAY	4" Inside Diameter, 20' Length, Suction Hose With Couplings	31.31	
01 22 23 00-0913	WK	4" Inside Diameter, 20' Length, Suction Hose With Couplings	70.86	
01 22 23 00-0914	MO	4" Inside Diameter, 20' Length, Suction Hose With Couplings	189.50	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0915	DAY	6" Inside Diameter, 20' Length, Suction Hose With Couplings	41.20	
01 22 23 00-0916	WK	6" Inside Diameter, 20' Length, Suction Hose With Couplings	95.57	
01 22 23 00-0917	MO	6" Inside Diameter, 20' Length, Suction Hose With Couplings	215.87	
01 22 23 00-0918		Discharge Hose With Couplings *(01 22 23 00-0837)*		
		Note: Includes delivery, set-up, and removal.		
01 22 23 00-0919	DAY	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	14.33	
01 22 23 00-0920	WK	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	30.09	
01 22 23 00-0921	MO	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	64.48	
01 22 23 00-0922	DAY	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	22.93	
01 22 23 00-0923	WK	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	32.96	
01 22 23 00-0924	MO	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	68.78	
01 22 23 00-0925	DAY	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	22.93	
01 22 23 00-0926	WK	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	45.85	
01 22 23 00-0927	MO	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	90.27	
01 22 23 00-0928	DAY	4" Inside Diameter, 50' Length, Discharge Hose With Couplings	31.52	
01 22 23 00-0929	WK	4" Inside Diameter, 50' Length, Discharge Hose With Couplings	83.11	
01 22 23 00-0930	MO	4" Inside Diameter, 50' Length, Discharge Hose With Couplings	167.65	
01 22 23 00-0931	DAY	6" Inside Diameter, 50' Length, Discharge Hose With Couplings	63.05	
01 22 23 00-0932	WK	6" Inside Diameter, 50' Length, Discharge Hose With Couplings	128.96	
01 22 23 00-0933	MO	6" Inside Diameter, 50' Length, Discharge Hose With Couplings	272.25	
01 22 23 00-0934		Temporary Building Services *(01 22 23)*		
01 22 23 00-0935		Boilers *(01 22 23 00-0934)*		
		Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-0936		Electric Boilers *(01 22 23 00-0935)*		
01 22 23 00-0937	MO	40 MBH, 12 KW Electric Boiler Rental	1,381.82	
01 22 23 00-0938	MO	60 MBH, 20 KW Electric Boiler Rental	1,507.46	
01 22 23 00-0939	MO	95 MBH, 30 KW Electric Boiler Rental	1,570.28	
01 22 23 00-0940	MO	135 MBH, 40 KW Electric Boiler Rental	1,758.68	
01 22 23 00-0941	MO	165 MBH, 50 KW Electric Boiler Rental	2,449.59	
01 22 23 00-0942	MO	215 MBH, 60 KW Electric Boiler Rental	2,826.46	
01 22 23 00-0943	MO	365 MBH, 100 KW Electric Boiler Rental	3,705.83	
01 22 23 00-0944	MO	510 MBH, 150 KW Electric Boiler Rental	4,522.37	
01 22 23 00-0945		Oil/Gas Fired Boilers *(01 22 23 00-0935)*		
01 22 23 00-0946	MO	Up To 100 HP Gas/Oil Dual Fuel Boiler Rental	5,000.00	
		For >3 Months Rental, Deduct	*-750.00*	
01 22 23 00-0947	MO	>100 HP To 250 HP Gas/Oil Dual Fuel Boiler Rental	6,500.00	
		For >3 Months Rental, Deduct	*-975.00*	
01 22 23 00-0948	MO	>250 HP To 500 HP Gas/Oil Dual Fuel Boiler Rental	10,500.00	
		For >3 Months Rental, Deduct	*-1,575.00*	
01 22 23 00-0949	MO	>500 HP To 800 HP Gas/Oil Dual Fuel Boiler Rental	14,500.00	
		For >3 Months Rental, Deduct	*-2,175.00*	
01 22 23 00-0950		Oil Fired Boilers *(01 22 23 00-0935)*		
01 22 23 00-0951	MO	250 HP Oil Fired Boiler Rental	3,880.85	
01 22 23 00-0952	MO	350 HP Oil Fired Boiler Rental	5,174.47	
01 22 23 00-0953	MO	500 HP Oil Fired Boiler Rental	6,468.09	
01 22 23 00-0954	MO	600 HP Oil Fired Boiler Rental	7,114.89	
01 22 23 00-0955		Boilers Setup *(01 22 23 00-0935)*		
01 22 23 00-0956	EA	Setup Rental Boiler	3,873.02	
		Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.		
01 22 23 00-0957		Chillers *(01 22 23 00-0934)*		
		Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-0958		Air Cooled Chillers *(01 22 23 00-0957)*		
01 22 23 00-0959	MO	25 Ton Air Cooled Chiller Rental	2,357.06	
		For >3 To 6 Month Rental, Deduct	*-353.56*	
		For >6 Month Rental, Deduct	*-589.27*	
01 22 23 00-0960	MO	40 Ton Air Cooled Chiller Rental	3,771.31	
		For >3 To 6 Month Rental, Deduct	*-565.70*	
		For >6 Month Rental, Deduct	*-942.83*	
01 22 23 00-0961	MO	60 Ton Air Cooled Chiller Rental	4,612.73	
		For >3 To 6 Month Rental, Deduct	*-691.91*	
		For >6 Month Rental, Deduct	*-1,153.18*	
01 22 23 00-0962	MO	80 Ton Air Cooled Chiller Rental	5,454.16	
		For >3 To 6 Month Rental, Deduct	*-818.12*	
		For >6 Month Rental, Deduct	*-1,363.54*	
01 22 23 00-0963	MO	100 Ton Air Cooled Chiller Rental	6,295.59	
		For >3 To 6 Month Rental, Deduct	*-944.34*	
		For >6 Month Rental, Deduct	*-1,573.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0964	MO	125 Ton Air Cooled Chiller Rental	7,293.56	
		For >3 To 6 Month Rental, Deduct	*-1,094.03*	
		For >6 Month Rental, Deduct	*-1,823.39*	
01 22 23 00-0965	MO	155 Ton Air Cooled Chiller Rental	8,823.42	
		For >3 To 6 Month Rental, Deduct	*-1,323.51*	
		For >6 Month Rental, Deduct	*-2,205.86*	
01 22 23 00-0966	MO	170 Ton Air Cooled Chiller Rental	9,435.37	
		For >3 To 6 Month Rental, Deduct	*-1,415.31*	
		For >6 Month Rental, Deduct	*-2,358.84*	
01 22 23 00-0967	MO	200 Ton Air Cooled Chiller Rental	10,838.94	
		For >3 To 6 Month Rental, Deduct	*-1,625.84*	
		For >6 Month Rental, Deduct	*-2,709.74*	
01 22 23 00-0968	MO	250 Ton Air Cooled Chiller Rental	12,897.15	
		For >3 To 6 Month Rental, Deduct	*-1,934.57*	
		For >6 Month Rental, Deduct	*-3,224.29*	
01 22 23 00-0969	MO	300 Ton Air Cooled Chiller Rental Note: Includes trailer.	15,049.64	
		For >3 To 6 Month Rental, Deduct	*-2,257.45*	
		For >6 Month Rental, Deduct	*-3,762.41*	
01 22 23 00-0970	MO	400 Ton Air Cooled Chiller Rental Note: Includes trailer, pump and 200' of 6" hose.	19,852.72	
		For >3 To 6 Month Rental, Deduct	*-2,977.91*	
		For >6 Month Rental, Deduct	*-4,963.18*	
01 22 23 00-0971	MO	500 Ton Air Cooled Chiller Rental Note: Includes trailer, pump and 200' of 6" hose.	24,573.96	
		For >3 To 6 Month Rental, Deduct	*-3,686.09*	
		For >6 Month Rental, Deduct	*-6,143.49*	
01 22 23 00-0972	EA	Setup Air Cooled Chiller Rental Unit Note: Includes delivery, setup, installation, refrigerant charge, startup, commissioning, decommissioning, recovery of refrigerant and pickup. Excludes piping and electrical hookup. Excludes crane if off-loaded.	2,692.22	

01 22 23 00-0973 Chiller Rental Accessories *(01 22 23 00-0957)*

01 22 23 00-0974	MO	4" x 25' Flexible Water Hose For Chiller Rental	42.00	
01 22 23 00-0975	MO	6" x 25' Flexible Water Hose For Chiller Rental	52.50	

01 22 23 00-0976 Cooling Tower *(01 22 23 00-0934)*

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

01 22 23 00-0977	MO	100 Ton Cooling Tower Rental	2,163.00	
		For >3 To 6 Months Rental, Deduct	*-324.45*	
		For >6 Months Rental, Deduct	*-540.75*	
01 22 23 00-0978	MO	200 Ton Cooling Tower Rental	3,937.50	
		For >3 To 6 Months Rental, Deduct	*-590.63*	
		For >6 Months Rental, Deduct	*-984.38*	
01 22 23 00-0979	MO	250 Ton Cooling Tower Rental	4,459.04	
		For >3 To 6 Months Rental, Deduct	*-668.86*	
		For >6 Months Rental, Deduct	*-1,114.76*	
01 22 23 00-0980	MO	300 Ton Cooling Tower Rental	5,040.00	
		For >3 To 6 Months Rental, Deduct	*-756.00*	
		For >6 Months Rental, Deduct	*-1,260.00*	
01 22 23 00-0981	MO	400 Ton Cooling Tower Rental	6,300.00	
		For >3 To 6 Months Rental, Deduct	*-945.00*	
		For >6 Months Rental, Deduct	*-1,575.00*	
01 22 23 00-0982	MO	500 Ton Cooling Tower Rental	7,365.78	
		For >3 To 6 Months Rental, Deduct	*-1,104.87*	
		For >6 Months Rental, Deduct	*-1,841.45*	
01 22 23 00-0983	MO	Setup Rental Cooling Tower Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.	2,692.22	

01 22 23 00-0984 Emergency Cooler/Freezer *(01 22 23 00-0934)*

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

01 22 23 00-0985	DAY	8 x 6 x 7 Emergency Cooler Rental	90.00	
01 22 23 00-0986	WK	8 x 6 x 7 Emergency Cooler Rental	480.00	
01 22 23 00-0987	DAY	10 x 7 x 7 Emergency Cooler Rental	180.00	
01 22 23 00-0988	WK	10 x 7 x 7 Emergency Cooler Rental	720.00	
01 22 23 00-0989	MO	10 x 7 x 7 Emergency Cooler Rental	1,800.00	
01 22 23 00-0990	DAY	10 x 7 x 7 Emergency Freezer Rental	210.00	
01 22 23 00-0991	WK	10 x 7 x 7 Emergency Freezer Rental	840.00	
01 22 23 00-0992	MO	10 x 7 x 7 Emergency Freezer Rental	2,160.00	
01 22 23 00-0993	DAY	6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	240.00	
01 22 23 00-0994	WK	6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	960.00	
01 22 23 00-0995	MO	6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	2,400.00	

01 22 23 00-0996 Portable Spot Cooling Units *(01 22 23 00-0934)*

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

01 22 23 00-0997	DAY	1 Ton Portable Spot Cooling Unit	125.00	
01 22 23 00-0998	WK	1 Ton Portable Spot Cooling Unit	275.00	
01 22 23 00-0999	MO	1 Ton Portable Spot Cooling Unit	550.00	
01 22 23 00-1000	DAY	2 Ton Portable Spot Cooling Unit	200.00	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1001	WK	2 Ton Portable Spot Cooling Unit	400.00	
01 22 23 00-1002	MO	2 Ton Portable Spot Cooling Unit	900.00	
01 22 23 00-1003	DAY	3 Ton Portable Spot Cooling Unit	300.00	
01 22 23 00-1004	WK	3 Ton Portable Spot Cooling Unit	600.00	
01 22 23 00-1005	MO	3 Ton Portable Spot Cooling Unit	1,200.00	
01 22 23 00-1006	DAY	5 Ton Portable Spot Cooling Unit	350.00	
01 22 23 00-1007	WK	5 Ton Portable Spot Cooling Unit	700.00	
01 22 23 00-1008	MO	5 Ton Portable Spot Cooling Unit	1,600.00	
01 22 23 00-1009	DAY	10 Ton Portable Spot Cooling Unit	750.00	
01 22 23 00-1010	WK	10 Ton Portable Spot Cooling Unit	1,200.00	
01 22 23 00-1011	MO	10 Ton Portable Spot Cooling Unit	2,400.00	
01 22 23 00-1012	DAY	20 Ton Portable Spot Cooling Unit	1,000.00	
01 22 23 00-1013	WK	20 Ton Portable Spot Cooling Unit	1,750.00	
01 22 23 00-1014	MO	20 Ton Portable Spot Cooling Unit	3,750.00	
01 22 23 00-1015	DAY	25 Ton Portable Spot Cooling Unit	800.00	
01 22 23 00-1016	WK	25 Ton Portable Spot Cooling Unit	1,700.00	
01 22 23 00-1017	MO	25 Ton Portable Spot Cooling Unit	4,000.00	

01 22 23 00-1018 Fuel Oil Tank *(01 22 23 00-0934)*

Note: Includes delivery to job site, connection to existing system and pick-up when complete. Excludes 0ff-road fuel costs. See CSI section 01 22 23 00-0664 for reimbursable fuel fees.

01 22 23 00-1019	MO	100 Gallon Portable Double Wall Fuel Oil Tank Rental	446.76	
01 22 23 00-1020	MO	275 Gallon Portable Double Wall Fuel Oil Tank Rental	694.95	
01 22 23 00-1021	MO	500 Gallon Portable Double Wall Fuel Oil Tank Rental	1,737.38	
01 22 23 00-1022	MO	1,000 Gallon Portable Double Wall Fuel Oil Tank Rental	2,895.64	
01 22 23 00-1023	MO	2,300 Gallon Portable Double Wall Fuel Oil Tank Rental	3,822.24	
01 22 23 00-1024	MO	5,000 Gallon Portable Double Wall Fuel Oil Tank Rental	6,828.19	

01 22 23 00-1025 Truck And Trailer Equipment *(01 22 23)*

01 22 23 00-1026 Trucks *(01 22 23 00-1025)*

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

01 22 23 00-1027 Flat Bed Trucks *(01 22 23 00-1026)*

Note: Includes hydraulic tilt bed.

01 22 23 00-1028	DAY	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	704.54	
		For Equipment Without Operator, Deduct	*-514.97*	
01 22 23 00-1029	WK	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	3,071.85	
		For Equipment Without Operator, Deduct	*-2,574.87*	
01 22 23 00-1030	MO	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	12,353.83	
		For Equipment Without Operator, Deduct	*-11,098.57*	
01 22 23 00-1031	DAY	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	786.52	
		For Equipment Without Operator, Deduct	*-514.97*	
01 22 23 00-1032	WK	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	3,281.91	
		For Equipment Without Operator, Deduct	*-2,574.87*	
01 22 23 00-1033	MO	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	12,891.79	
		For Equipment Without Operator, Deduct	*-11,098.57*	
01 22 23 00-1034	DAY	6-1/2 Ton Capacity, 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	845.33	
		For Equipment Without Operator, Deduct	*-514.97*	
01 22 23 00-1035	WK	6-1/2 Ton Capacity, 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	3,506.73	
		For Equipment Without Operator, Deduct	*-2,574.87*	
01 22 23 00-1036	MO	6-1/2 Ton Capacity, 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	13,747.44	
		For Equipment Without Operator, Deduct	*-11,098.59*	

01 22 23 00-1037 Light Duty Trucks *(01 22 23 00-1026)*

01 22 23 00-1038	DAY	1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	733.91	
		For Equipment Without Operator, Deduct	*-514.97*	
01 22 23 00-1039	WK	1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	3,293.28	
		For Equipment Without Operator, Deduct	*-2,574.87*	
01 22 23 00-1040	MO	1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	12,603.81	
		For Equipment Without Operator, Deduct	*-11,098.57*	
01 22 23 00-1041	DAY	3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver	774.97	
		For Equipment Without Operator, Deduct	*-514.97*	
01 22 23 00-1042	WK	3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver	3,416.44	
		For Equipment Without Operator, Deduct	*-2,574.87*	
01 22 23 00-1043	MO	3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver	12,877.49	
		For Equipment Without Operator, Deduct	*-11,098.57*	

01 22 23 00-1044 Rear Dump Trucks *(01 22 23 00-1026)*

01 22 23 00-1045	DAY	4 CY Rear Dump Truck With Full-Time Truck Driver	909.54	
		For Equipment Without Operator, Deduct	*-514.97*	
01 22 23 00-1046	WK	4 CY Rear Dump Truck With Full-Time Truck Driver	3,661.96	
		For Equipment Without Operator, Deduct	*-2,574.87*	
01 22 23 00-1047	MO	4 CY Rear Dump Truck With Full-Time Truck Driver	13,916.95	
		For Equipment Without Operator, Deduct	*-11,098.57*	
01 22 23 00-1048	DAY	6 CY Rear Dump Truck With Full-Time Truck Driver	965.91	
		For Equipment Without Operator, Deduct	*-514.97*	
01 22 23 00-1049	WK	6 CY Rear Dump Truck With Full-Time Truck Driver	3,782.75	
		For Equipment Without Operator, Deduct	*-2,574.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1050	MO	6 CY Rear Dump Truck With Full-Time Truck Driver	13,997.47	
		For Equipment Without Operator, Deduct	*-11,098.57*	
01 22 23 00-1051	DAY	13 CY Rear Dump Truck With Full-Time Truck Driver	1,634.27	
		For Equipment Without Operator, Deduct	*-514.97*	
01 22 23 00-1052	WK	13 CY Rear Dump Truck With Full-Time Truck Driver	5,159.72	
		For Equipment Without Operator, Deduct	*-2,574.87*	
01 22 23 00-1053	MO	13 CY Rear Dump Truck With Full-Time Truck Driver	17,862.67	
		For Equipment Without Operator, Deduct	*-11,098.57*	
01 22 23 00-1054	DAY	18 CY Rear Dump Truck With Full-Time Truck Driver	1,746.20	
		For Equipment Without Operator, Deduct	*-514.97*	
01 22 23 00-1055	WK	18 CY Rear Dump Truck With Full-Time Truck Driver	5,418.21	
		For Equipment Without Operator, Deduct	*-2,574.87*	
01 22 23 00-1056	MO	18 CY Rear Dump Truck With Full-Time Truck Driver	18,539.08	
		For Equipment Without Operator, Deduct	*-11,098.57*	

01 22 23 00-1057 Vacuum Trucks *(01 22 23 00-1026)*

01 22 23 00-1058	DAY	5,000 Gallon Vacuum Truck With Full-Time Truck Driver	1,626.21	
		For Equipment Without Operator, Deduct	*-514.97*	
01 22 23 00-1059	WK	5,000 Gallon Vacuum Truck With Full-Time Truck Driver	5,921.49	
		For Equipment Without Operator, Deduct	*-2,574.87*	
01 22 23 00-1060	MO	5,000 Gallon Vacuum Truck With Full-Time Truck Driver	20,974.16	
		For Equipment Without Operator, Deduct	*-11,098.57*	

01 22 23 00-1061 Water Trucks *(01 22 23 00-1026)*

See CSI section 01 22 23 00-1073 for water trailer, 31 23 23 23-0001 for compaction water as required for earth/aggregate backfill.

01 22 23 00-1062	DAY	2,000 Gallon Water Truck With Full-Time Operator	1,057.99	
		For Equipment Without Operator, Deduct	*-514.97*	
		For Each 1,000 Gallon Of Purchased Water, Add	*2.55*	
01 22 23 00-1063	WK	2,000 Gallon Water Truck With Full-Time Operator	4,004.81	
		For Equipment Without Operator, Deduct	*-2,574.87*	
		For Each 1,000 Gallon Of Purchased Water, Add	*2.55*	
01 22 23 00-1064	MO	2,000 Gallon Water Truck With Full-Time Operator	14,477.33	
		For Equipment Without Operator, Deduct	*-11,098.57*	
		For Each 1,000 Gallon Of Purchased Water, Add	*2.55*	
01 22 23 00-1065	DAY	3,700 To 4,000 Gallon Water Truck With Full-Time Operator	1,323.46	
		For Equipment Without Operator, Deduct	*-514.97*	
		For Each 1,000 Gallon Of Purchased Water, Add	*2.55*	
01 22 23 00-1066	WK	3,700 To 4,000 Gallon Water Truck With Full-Time Operator	4,801.23	
		For Equipment Without Operator, Deduct	*-2,574.87*	
		For Each 1,000 Gallon Of Purchased Water, Add	*2.55*	
01 22 23 00-1067	MO	3,700 To 4,000 Gallon Water Truck With Full-Time Operator	16,528.72	
		For Equipment Without Operator, Deduct	*-11,098.57*	
		For Each 1,000 Gallon Of Purchased Water, Add	*2.55*	

01 22 23 00-1068 Asphalt Distribution Trucks *(01 22 23 00-1026)*

01 22 23 00-1069	DAY	3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver	1,393.14	
		For Equipment Without Operator, Deduct	*-514.97*	
01 22 23 00-1070	WK	3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver	5,198.10	
		For Equipment Without Operator, Deduct	*-2,574.87*	
01 22 23 00-1071	MO	3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver	18,853.50	
		For Equipment Without Operator, Deduct	*-11,098.57*	

01 22 23 00-1072 Trailers *(01 22 23 00-1025)*

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

01 22 23 00-1073 Water Trailers With Pump *(01 22 23 00-1072)*

01 22 23 00-1074	DAY	500 To 600 Gallon Water Trailer With Pump	138.77	
01 22 23 00-1075	WK	500 To 600 Gallon Water Trailer With Pump	355.98	
01 22 23 00-1076	MO	500 To 600 Gallon Water Trailer With Pump	953.29	

01 30 Administrative Requirements *(01)*

01 32 Construction Progress Documentation *(01 30)*

01 32 33 Photographic Documentation *(01 32)*

01 32 33 00-0001 Photography *(01 32 33)*

Note: Excludes QC photographs. As requested by owner.

01 32 33 00-0002	EA	3-1/2" x 5" Color Print Photograph	1.58	
01 32 33 00-0003	EA	4" x 6" Color Print Photograph	2.11	
01 32 33 00-0004	EA	5" x 7" Color Print Photograph	4.27	
01 32 33 00-0005	EA	8" x 10" Color Print Photograph	7.12	

01 32 33 00-0006 Aerial Survey And Photography *(01 32 33)*

Note: Cost per single location, 15 to 20 photos, up to 6 proofs developed, pictures 8" x 10" or 8-1/2" x 11".

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 32 33 00-0007	EA	Aerial Photography, 1 Site Within City, 15-20 Photos, 6 Proofs	1,244.34	
		For Each Additional City Location, 15-20 Photos, 6 Proofs, Add	*175.00*	
		For Each Mile Outside The City Area, Add	*3.00*	
		For Color Prints Instead Of Black And White, Add	*373.30*	
01 32 33 00-0008	EA	5 Minute Aerial Video With 3 Tapes And 11 x 14 Still Photograph	1,386.76	
		For Each Additional City Location, 15-20 Photos, 6 Proofs, Add	*175.00*	
		For Each Mile Outside The City Area, Add	*3.00*	
01 32 33 00-0009	HR	Aerial Tour Of Project Site Up To 3 Passengers (Helicopter)	937.00	

01 40 Quality Requirements *(01)*

01 45 Quality Control *(01 40)*

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

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

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

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

01 45 23 00-0003	EA	Plasticity Index Soils Test, ASTM D-4318, Field Soils Test	171.15
01 45 23 00-0004	EA	4" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test	242.92
01 45 23 00-0005	EA	6" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test	276.05
01 45 23 00-0006	EA	Resistance (R) Value Soils Test, CA 301, Field Soils Test	220.84
01 45 23 00-0007	EA	Soils Classification Test, ASTM D-2487, Field Soils Test	331.26
01 45 23 00-0008	SET	Cement Treated Base Laboratory Design, Soil Cement, Field Soils Test	662.29
01 45 23 00-0009	EA	Moisture Content, Field Soils Test	24.84
01 45 23 00-0010	EA	UBC Or Swell Test, Field Soils Test	87.01
01 45 23 00-0011	EA	Proctor Compaction 4" Standard Mold ASTM D698, Field Soils Test	165.57
01 45 23 00-0012	EA	Proctor Compaction 6" Standard Mold, Field Soils Test	206.97
01 45 23 00-0013	EA	Density And Classification Test, Field Soils Test	66.23
01 45 23 00-0014	EA	Percolation Test, Field Soils Test	165.57
01 45 23 00-0015	EA	Infiltration Test, Field Soils Test	331.14

01 45 23 00-0016 Soil Borings Laboratory Tests *(01 45 23 00-0001)*

See CSI section 02 32 13 00-0000 for soil borings.

01 45 23 00-0017	EA	Atterberg Limits - Liquid Limits (LL) And Plastic Limits (PL), T89, T90, ASTM D4318, Soil Borings Laboratory Test	76.00
01 45 23 00-0018	EA	Shrinkage Limit, Soil Borings Laboratory Test	24.25
01 45 23 00-0019	EA	Unconfined Compressive Strength of Cohesive Soils, Soil Borings Laboratory Test	58.46
01 45 23 00-0020	EA	Consolidation, Soil Borings Laboratory Test	409.26
01 45 23 00-0021	EA	Swell Test, Soil Borings Laboratory Test	80.84
01 45 23 00-0022	EA	In Place Density, Soil Borings Laboratory Test	17.54
01 45 23 00-0023	EA	Moisture Content, ASTM D2216, Soil Borings Laboratory Test	10.90
01 45 23 00-0024	EA	Hydrometer Analysis, Soil Borings Laboratory Test	140.68
01 45 23 00-0025	EA	Specific Gravity, ASTM D854, Soil Borings Laboratory Test	49.06
01 45 23 00-0026	EA	Partial Sieve Analysis, Soil Borings Laboratory Test	9.70
01 45 23 00-0027	EA	Laboratory Permeability, Soil Borings Laboratory Test	485.09
01 45 23 00-0028	EA	Sieve Analysis, ASTM D422, Soil Borings Laboratory Test	98.12
01 45 23 00-0029	EA	Sulfate Soundness, Soil Borings Laboratory Test	121.27
01 45 23 00-0030	EA	Los Angeles Abrasion, Soil Borings Laboratory Test	282.77
01 45 23 00-0031	EA	California Bearing Ratio, ASTM D1883	248.44
01 45 23 00-0032	EA	Compaction Test Subgrade, Soil Borings Laboratory Test	72.76
01 45 23 00-0033	EA	Compaction Test Base Course, Soil Borings Laboratory Test	61.56
01 45 23 00-0034	EA	In Place Density And Water Content Test By Nuclear Methods, ASTM D6938, Soil Borings Laboratory Test	239.27
01 45 23 00-0035	EA	Field Density Sand Cone, AASHTO T-191, ASTM D1556, Soil Borings Laboratory Test	37.19

01 45 23 00-0036 Aggregate Testing *(01 45 23 00-0001)*

01 45 23 00-0037	EA	Coarse Aggregate Sieve Analysis Test, ASTM C-136, CA 202	55.21
01 45 23 00-0038	EA	Fine Aggregate Sieve Analysis Test, ASTM C-136, CA 202	99.38
01 45 23 00-0039	EA	Combined Aggregate Sieve Analysis Test, ASTM C-136, CA 202	138.02
01 45 23 00-0040	EA	Sieve Analysis, Pit Run, ASTM C136 Note: Includes wash.	107.62
01 45 23 00-0041	EA	Specific Special Gravity, Course, ASTM C127 Note: Includes absorption test.	87.70
01 45 23 00-0042	EA	Special Gravity, Fine, ASTM C127 Note: Includes absorption test.	78.65
01 45 23 00-0043	EA	Coarse Aggregate Bulk SSD Specific Gravity Test, ASTM C-128	116.93
01 45 23 00-0044	EA	Fine Aggregate Bulk SSD Specific Gravity Test, ASTM C-128	110.42
01 45 23 00-0045	EA	Aggregate Cleanness Value, ASTM C-128, CA 227	110.42
01 45 23 00-0046	EA	Sand Equivalent, Average of 3 Tests, ASTM D2419, CA 217	82.82
01 45 23 00-0047	EA	Fine Aggregate Durability Index, CA 229	88.34
01 45 23 00-0048	EA	Sodium And Magnesium Soundness, ASTM C88	231.80
01 45 23 00-0049	EA	Los Angeles Rattler, ASTM C-131, CA 211	176.67
01 45 23 00-0050	EA	Los Angeles Rattler, ASTM C-535	176.67
01 45 23 00-0051	EA	Unit Weight Of Aggregates, ASTM C29	49.69
01 45 23 00-0052	EA	Organic Impurities In Sand, ASTM C40	49.67
01 45 23 00-0053	EA	Crushed Particle, ASTM California Test Method	49.67
01 45 23 00-0054	EA	Clay Lump And Friable Particles, ASTM C142	99.34

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0055		Permeability Tests *(01 45 23 00-0001)*		
01 45 23 00-0056		In-Place Tests *(01 45 23 00-0055)*		
01 45 23 00-0057	EA	Double Ring Infiltrometer Test, ASTM D3385	876.98	
01 45 23 00-0058	EA	Unconfined Compressive Strength (Pocket Penetrometer) Test	41.39	
01 45 23 00-0059		Lab Tests *(01 45 23 00-0055)*		
01 45 23 00-0060	EA	Falling Head Rigid Wall Consolidometer Technique CAE	409.26	
01 45 23 00-0061	EA	Falling Head Permeability Test EPA-9100	409.26	
01 45 23 00-0062	EA	Constant Head Permeability Test For Granular Soils, ASTM D2432	233.86	
01 45 23 00-0063		Concrete/Cement/Asphalt Testing *(01 45 23)*		
01 45 23 00-0064		Concrete Testing *(01 45 23 00-0063)*		
01 45 23 00-0065	EA	Prepare 6 x 12 Concrete Cylinder And Deliver To Lab	16.55	
01 45 23 00-0066	EA	6 x 12 Cylinder Concrete Compression Test, ASTM C-39 Or ASTM D1633	35.08	
01 45 23 00-0067	EA	Concrete Cores Compression Test, ASTM C-42	71.77	
01 45 23 00-0068	EA	6 x 6 x 18 Concrete Flexural Test, ASTM C-78	104.90	
01 45 23 00-0069	EA	Unit Weight Of Concrete Cylinder, ASTM C-567	38.65	
01 45 23 00-0070	EA	Concrete Mix Design Review	209.80	
01 45 23 00-0071	EA	Trial Concrete Batch Prepared In Laboratory	496.89	
01 45 23 00-0072	EA	Concrete Shrinkage, ASTM C-157 Modified	386.47	
01 45 23 00-0073	EA	6 x 12 Concrete Cylinder Splitting Tensile Test, ASTM C-496	59.63	
01 45 23 00-0074	EA	Concrete Slump Test, ASTM C143	27.60	
01 45 23 00-0075	EA	Concrete Air Content Test, ASTM C138, ASTM C173, Or ASTM C231	27.60	
01 45 23 00-0076		Cement Testing *(01 45 23 00-0063)*		
01 45 23 00-0077	EA	Cement Grab Sample (CCR Title 24) Note: Includes sealing and storing 1 year.	27.60	
01 45 23 00-0078	EA	2" x 2" x 2" Cube Compression Test, All Type Materials	44.17	
01 45 23 00-0079		Asphaltic Concrete Testing *(01 45 23 00-0063)*		
01 45 23 00-0080	EA	Hveem Asphaltic Concrete Stability Test, CA 366	55.21	
01 45 23 00-0081	EA	Marshall Asphaltic Concrete Stability Test (3 Specimens), ASTM D-6926/6927	143.55	
01 45 23 00-0082	EA	Stability Tests, Premixed, ASTM D1559	55.21	
01 45 23 00-0083	EA	Stability Tests, Lab. Mixed, ASTM D1559	143.55	
01 45 23 00-0084	EA	Swell Test, CA 305 Note: Includes compaction.	66.25	
01 45 23 00-0085	EA	% Asphalt Extraction Test, ASTM D-2172 B	165.63	
01 45 23 00-0086	EA	Maximum Theoretical Unit Weight, ASTM C2041	105.24	
01 45 23 00-0087	EA	Unit Weight Sample Requiring Compaction, California Test Method 308	22.08	
01 45 23 00-0088	EA	Asphalt Unit Weight On Core Test, CA 308C	22.08	
01 45 23 00-0089	HR	Nuclear Field Density Testing, 4 Hour Minimum	113.73	
01 45 23 00-0090	EA	Asphalt Film Stripping Test, CTM 302/AASHTO T182/ASTM D1664	74.51	
01 45 23 00-0091	EA	Penetration, ASTM D5	79.76	
01 45 23 00-0092		Masonry/Concrete Block/Tile Testing *(01 45 23)*		
01 45 23 00-0093		Masonry Testing *(01 45 23 00-0092)*		
01 45 23 00-0094	EA	2" x 4" Cylinder Mortar Compression Test	36.44	
01 45 23 00-0095	EA	4" x 4" x 8" Grout Prisms Compression Test	36.44	
01 45 23 00-0096	EA	Masonry Cores Compression Test	71.77	
01 45 23 00-0097	EA	Composite Grouted Prism Compression Test	138.02	
01 45 23 00-0098		Concrete Block Testing (ASTM C140 Or CMA Per Specimen) *(01 45 23 00-0092)*		
01 45 23 00-0099	EA	Up To 8" x 8" x 16" Concrete Block Compression Test, ASTM C-140	88.34	
01 45 23 00-0100	EA	Absorption Test, Moisture Content And Unit Weight	60.73	
01 45 23 00-0101	EA	Moisture Condition By Relative Humidity, ASTM C427, First Unit	231.80	
01 45 23 00-0102	EA	Moisture Condition By Relative Humidity, ASTM C427, Additional Unit	115.90	
01 45 23 00-0103		Metals Testing *(01 45 23)*		
01 45 23 00-0104		Tank Line Tightness Testing *(01 45 23 00-0103)*		
01 45 23 00-0105	EA	Up To 12,000 Gallons, Tank Line Volumetric Tightness Testing	308.96	
01 45 23 00-0106	EA	>12,000 To 29,999 Gallons, Tank Line Volumetric Tightness Testing	343.07	
01 45 23 00-0107	EA	>29,999 Gallons, Tank Line Volumetric Tightness Testing	377.06	
01 45 23 00-0108		Other Testing *(01 45 23)*		
01 45 23 00-0109		Special Testing *(01 45 23 00-0108)*		
01 45 23 00-0110	EA	Asphalt Roofing Cut-out Samples, To Determine Unit Weight	85.59	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0111	EA	Complete Built-Up Roof Analysis, ASTM D2829 Or ASTM D3617	513.54	
01 45 23 00-0112	EA	Bacteria Test (Total Coliform Bacteria And E. Coli Bacteria)	25.82	
01 45 23 00-0113	EA	Testing For The Presence Of PCBs In Caulk, Analysis Per Sample	107.03	
01 45 23 00-0114	EA	Testing For The Presence Of PCBs In Soil, Analysis Per Sample	107.03	
01 45 23 00-0115	EA	Testing For The Presence Of PCBs Using Wipe Sampling, Analysis Per Sample	107.03	
01 45 23 00-0116	EA	Testing For The Presence Of PCBs In Air, Analysis Per Sample	588.66	

01 45 23 00-0117 Nondestructive Field Testing Services *(01 45 23 00-0108)*

01 45 23 00-0118 Infrared Thermography *(01 45 23 00-0117)*

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

01 45 23 00-0119 Roof Investigation And Moisture Survey Using Infrared Thermography *(01 45 23 00-0118)*

Note: For on the roof surveys.

01 45 23 00-0120	EA	Roof Investigation And Moisture Survey Using Infrared Thermography, Mobilization Charge	1,800.00	
01 45 23 00-0121	CSF	Up To 10,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	3.00	
		For CADD Drawings, Add	*0.60*	
01 45 23 00-0122	CSF	>10,000 To 50,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	2.00	
		For CADD Drawings, Add	*0.40*	
01 45 23 00-0123	CSF	>50,000 To 250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	1.50	
		For CADD Drawings, Add	*0.30*	
		For Elevated Infrared Thermography Roof Investigation, Add	*0.38*	
		For Aerial Infrared Thermography Roof Investigation, Add	*0.38*	
01 45 23 00-0124	CSF	>250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	1.00	
		For CADD Drawings, Add	*0.20*	
		For Elevated Infrared Thermography Roof Investigation, Add	*0.25*	
		For Aerial Infrared Thermography Roof Investigation, Add	*0.25*	

01 45 23 00-0125 Building Moisture Investigation Using Infrared Thermography *(01 45 23 00-0118)*

Note: For finding moisture in walls and windows.

01 45 23 00-0126	EA	Building Moisture Investigation Using Infrared Thermography, Mobilization Charge	950.00	
01 45 23 00-0127	CSF	Up To 1,000 SF, Building Moisture Investigation Using Infrared Thermography	3.00	
		For Digital Or Analog Recording Of All Items, Add	*1.50*	
01 45 23 00-0128	CSF	>1,000 To 5,000 SF, Building Moisture Investigation Using Infrared Thermography	2.00	
		For Digital Or Analog Recording Of All Items, Add	*1.00*	
01 45 23 00-0129	CSF	>5,000 SF, Building Moisture Investigation Using Infrared Thermography	1.00	
		For Digital Or Analog Recording Of All Items, Add	*0.50*	

01 45 23 00-0130 General Building Investigation Using Infrared Thermography *(01 45 23 00-0118)*

Note: For finding missing or misplaced insulation, air leakage and delamination.

01 45 23 00-0131	EA	General Building Investigation Using Infrared Thermography, Mobilization Charge	1,950.00	
01 45 23 00-0132	CSF	Up To 1,000 SF, General Building Investigation Using Infrared Thermography	3.00	
		For Digital Or Analog Recording Of All Items, Add	*1.50*	
01 45 23 00-0133	CSF	>1,000 To 5,000 SF, General Building Investigation Using Infrared Thermography	2.00	
		For Digital Or Analog Recording Of All Items, Add	*1.00*	
01 45 23 00-0134	CSF	>5,000 SF, General Building Investigation Using Infrared Thermography	1.00	
		For Digital Or Analog Recording Of All Items, Add	*0.50*	

01 45 23 00-0135 Electrical /Mechanical Equipment Scanning Using Infrared Thermography *(01 45 23 00-0118)*

Note: For diagnosing electrical issues such as loose connections, overloaded or imbalanced circuits, faulty breakers, damaged switches, faulty fuses, etc. For diagnosing electrical issues caused by resistance and mechanical issues caused by friction.

01 45 23 00-0136	EA	Electrical /Mechanical Equipment Scanning Using Infrared Thermography, Mobilization Charge	950.00	
01 45 23 00-0137	HR	Electrical /Mechanical Equipment Scanning Using Infrared Thermography	140.60	
		For Digital Or Analog Recording Of All Items, Add	*20.76*	

01 45 23 00-0138 Concrete Block Wall Investigation Using Infrared Thermography *(01 45 23 00-0118)*

Note: For investigating issues with grouted cells, bond beams and other structural components in concrete block walls.

01 45 23 00-0139	EA	Concrete Block Wall Investigation Using Infrared Thermography, Mobilization Charge	950.00	
01 45 23 00-0140	CSF	Up To 50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography	3.00	
		For Digital Or Analog Recording Of All Items, Add	*0.45*	
01 45 23 00-0141	CSF	>50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography	2.00	
		For Digital Or Analog Recording Of All Items, Add	*0.30*	

01 45 23 00-0142 Other Nondestructive Field Testing Services *(01 45 23 00-0117)*

01 45 23 00-0143	HR	ASNT Certified Level III Consultant	132.50	
01 45 23 00-0144	HR	Two Person Concrete And Welding Radiographic Testing Crew	220.84	

01 45 23 00-0145 Testing Professional Services *(01 45 23 00-0108)*

01 45 23 00-0146	HR	Concrete, Steel, Masonry, Expansion Anchor And Soils Inspection	102.69	
01 45 23 00-0147	HR	Laboratory Technician	99.38	
01 45 23 00-0148	HR	Portable Digital Reinforcement Scanner	143.55	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0149	HR	Subsurface Detection Radar System	242.92	
01 45 23 00-0150	HR	Pavement Rehabilitation Analysis Using Deflectors	276.05	
01 45 23 00-0151	HR	Associate Engineer	143.55	
01 45 23 00-0152	HR	Staff Engineer	132.50	
01 45 23 00-0153	HR	Project Manager	126.98	
01 45 23 00-0154	HR	Principal Engineer	193.24	
01 45 23 00-0155	HR	Consulting Engineer	154.59	

01 50 Temporary Facilities And Controls *(01)*

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

01 51 Temporary Utilities *(01 50)*

01 51 13 Temporary Electricity *(01 51)*

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

Note: Includes fuses.

01 51 13 00-0002	EA	Temporary 30 Amp, 240 Volt, NEMA 3R Service Switch Or Building Feeder Switch With Fuses	454.50	186.64
01 51 13 00-0003	EA	Temporary 60 Amp, 240 Volt, NEMA 3R Service Switch Or Building Feeder Switch With Fuses	566.37	247.54
01 51 13 00-0004	EA	Temporary 100 Amp, 240 Volt, NEMA 3R Service Switch Or Building Feeder Switch With Fuses	826.77	270.91
01 51 13 00-0005	EA	Temporary 200 Amp, 240 Volt, NEMA 3R Service Switch Or Building Feeder Switch With Fuses	1,237.42	421.58
01 51 13 00-0006	EA	Temporary 400 Amp, 240 Volt, NEMA 3R Service Switch Or Building Feeder Switch With Fuses	2,317.08	699.73
01 51 13 00-0007	EA	Temporary 600 Amp, 240 Volt, NEMA 3R Service Switch Or Building Feeder Switch With Fuses	3,949.93	933.03
01 51 13 00-0008	EA	Temporary 800 Amp, 240 Volt, NEMA 3R Service Switch Or Building Feeder Switch With Fuses	5,569.62	1,057.94
01 51 13 00-0009	EA	Temporary 1,200 Amp, 240 Volt, NEMA 3R Service Switch Or Building Feeder Switch With Fuses	9,028.47	1,612.10
01 51 13 00-0010	EA	Temporary 2,000 Amp, 240 Volt, NEMA 3R Service Switch Or Building Feeder Switch With Fuses	12,815.72	2,418.24

01 51 13 00-0011 Panelboard Complete With Branch Fuses 120/208V *(01 51 13)*

Note: Main lug.

01 51 13 00-0012	EA	Temporary 100 Amp Panelboard Complete With Up To 24 Branch Circuits, 120/208 Volt	891.37	183.18
01 51 13 00-0013	EA	Temporary 200 Amp Panelboard Complete With Up To 42 Branch Circuits, 120/208 Volt	1,192.61	335.92
01 51 13 00-0014	EA	Temporary 400 Amp Panelboard Complete With Up To 42 Branch Circuits, 120/208 Volt	1,880.04	503.80
01 51 13 00-0015	EA	Temporary 600 Amp Panelboard Complete With Up To 42 Branch Circuits, 120/208 Volt	2,592.65	839.71

01 51 13 00-0016 Cord Grip Plug *(01 51 13)*

Note: Includes installation, a maximum of 50' of cord and connection to source.

01 51 13 00-0017	EA	Temporary 2 - Pole Cord Grip Plug With Installation	117.69	50.44
01 51 13 00-0018	EA	Temporary 3 - Pole Cord Grip Plug With Installation	173.84	77.60
01 51 13 00-0019	EA	Temporary 4 - Pole Cord Grip Plug With Installation	223.48	100.73
01 51 13 00-0020	EA	Temporary 3 - Pole (30 A) Cord Grip Plug With Installation	170.16	77.60
01 51 13 00-0021	EA	Temporary 4 - Pole (30 A) Cord Grip Plug With Installation	217.62	100.73
01 51 13 00-0022	EA	Temporary 3 - Pole (50 A) Cord Grip Plug With Installation	188.14	77.60

01 51 26 Temporary Lighting *(01 51)*

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

Note: Includes removal after use.

01 51 26 00-0002	EA	Temporary Exit Light	131.74	37.62
01 51 26 00-0003	EA	Temporary Light Socket With Branch Wiring Connection And Lamp	17.50	7.82
01 51 26 00-0004	EA	Temporary 10 Light String	47.96	17.68
01 51 26 00-0005	EA	Temporary GFI Device With Enclosure And Branch Wiring	141.23	50.44
01 51 26 00-0006	EA	Temporary Trailer Socket With Branch Wiring	54.26	18.27
01 51 26 00-0007	EA	Temporary Auditorium Drop Light Complete With Branch Wiring	68.28	16.46

01 52 Construction Facilities *(01 50)*

Note: Tasks in this section shall be used as directed by owner for owner's use.

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

01 52 13 00-0001 Field Offices *(01 52 13)*

Note: Excludes furniture, utility connections and service. Minimum 6 months rental.

01 52 13 00-0002	MO	8' x 24' Office, With Toilet	174.11
		For Each Delivery And Removal, Round Trip, Add	*380.00*
		For Each Set-Up (Block And Level), Add	*190.00*
		For Each Anchoring Into Dirt, Add	*60.00*
		For Each Anchoring Into Asphalt Or Concrete, Add	*110.00*
		For Office Trailer Without Toilet, Deduct	*-34.82*
01 52 13 00-0003	MO	8' x 32' Office, With Toilet	197.32
		For Each Delivery And Removal, Round Trip, Add	*380.00*
		For Each Set-Up (Block And Level), Add	*190.00*
		For Each Anchoring Into Dirt, Add	*60.00*
		For Each Anchoring Into Asphalt Or Concrete, Add	*110.00*
		For Office Trailer Without Toilet, Deduct	*-39.46*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 52 13 00-0004	MO	10' x 36' Office, With Toilet	266.96	
		For Each Delivery And Removal, Round Trip, Add	*630.00*	
		For Each Set-Up (Block And Level), Add	*310.00*	
		For Each Anchoring Into Dirt, Add	*60.00*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*110.00*	
		For Office Trailer Without Toilet, Deduct	*-53.39*	
01 52 13 00-0005	MO	10' x 40' Office, With Toilet	284.38	
		For Each Delivery And Removal, Round Trip, Add	*630.00*	
		For Each Set-Up (Block And Level), Add	*310.00*	
		For Each Anchoring Into Dirt, Add	*60.00*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*110.00*	
		For Office Trailer Without Toilet, Deduct	*-56.88*	
01 52 13 00-0006	MO	10' x 44' Office, With Toilet	313.39	
		For Each Delivery And Removal, Round Trip, Add	*630.00*	
		For Each Set-Up (Block And Level), Add	*310.00*	
		For Each Anchoring Into Dirt, Add	*60.00*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*110.00*	
01 52 13 00-0007	MO	10' x 50' Office, With Toilet	330.80	
		For Each Delivery And Removal, Round Trip, Add	*630.00*	
		For Each Set-Up (Block And Level), Add	*310.00*	
		For Each Anchoring Into Dirt, Add	*60.00*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*110.00*	
01 52 13 00-0008	MO	12' x 44' Office, With Toilet	353.62	
		For Each Delivery And Removal, Round Trip, Add	*630.00*	
		For Each Set-Up (Block And Level), Add	*310.00*	
		For Each Anchoring Into Dirt, Add	*60.00*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*110.00*	
01 52 13 00-0009	MO	12' x 50' Office, With Toilet	388.84	
		For Each Delivery And Removal, Round Trip, Add	*630.00*	
		For Each Set-Up (Block And Level), Add	*310.00*	
		For Each Anchoring Into Dirt, Add	*60.00*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*110.00*	
01 52 13 00-0010	MO	12' x 60' Office, With Toilet	423.66	
		For Each Delivery And Removal, Round Trip, Add	*630.00*	
		For Each Set-Up (Block And Level), Add	*310.00*	
		For Each Anchoring Into Dirt, Add	*60.00*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*110.00*	
01 52 13 00-0011	MO	24' x 60' Office, With Toilet	928.56	
		For Each Delivery And Removal, Round Trip, Add	*1,200.00*	
		For Each Set-Up (Block And Level), Add	*500.00*	
		For Each Anchoring Into Dirt, Add	*60.00*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*110.00*	
01 52 13 00-0012	MO	24' x 72' Office, With Toilet	1,114.27	
		For Each Delivery And Removal, Round Trip, Add	*1,200.00*	
		For Each Set-Up (Block And Level), Add	*500.00*	
		For Each Anchoring Into Dirt, Add	*60.00*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*110.00*	
01 52 13 00-0013	MO	30' x 30' Office, With Toilet	529.57	
		For Each Delivery And Removal, Round Trip, Add	*1,200.00*	
		For Each Set-Up (Block And Level), Add	*500.00*	
		For Each Anchoring Into Dirt, Add	*60.00*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*110.00*	

01 52 13 00-0014 Accessories For Field Office Trailers *(01 52 13)*

Note: Costs includes installation or placement in trailer.

01 52 13 00-0015	MO	Desk For Field Office Trailer	28.48
01 52 13 00-0016	MO	Rolling Desk Chair For Field Office Trailer	17.80
01 52 13 00-0017	MO	File Cabinet For Field Office Trailer	21.36
01 52 13 00-0018	MO	Table For Field Office Trailer	14.24
01 52 13 00-0019	MO	Folding Chair For Field Office Trailer	6.75
01 52 13 00-0020	EA	Phone Hook-Up For Field Office Trailer	78.33
01 52 13 00-0021	MO	Local Phone Service Per Phone Line For Field Office Trailer	49.85
01 52 13 00-0022	MO	Security System With Monitoring For Field Office Trailer	80.00
01 52 13 00-0023	LF	Perimeter Trailer Skirting For Field Office Trailer	25.72
01 52 13 00-0024	LF	Insulated Perimeter Trailer Skirting For Field Office Trailer	46.77
01 52 13 00-0025	MO	Steps For Field Office Trailer	25.00
01 52 13 00-0026	MO	Fax Machine For Field Office Trailer	35.61
01 52 13 00-0027	MO	Copier For Field Office Trailer	56.97

01 52 13 00-0028 Storage Containers *(01 52 13)*

01 52 13 00-0029	MO	8' x 8' x 10' Storage Container	96.61	
		For Delivery And Pick-up Of Container, Add	*252.95*	
		For >12 Months, Deduct	*-28.98*	
01 52 13 00-0030	MO	8' x 8' x 20' Storage Container	101.00	
		For Delivery And Pick-up Of Container, Add	*252.95*	
		For >12 Months, Deduct	*-30.30*	
01 52 13 00-0031	MO	8' x 8' x 40' Storage Container	119.45	
		For Delivery And Pick-up Of Container, Add	*252.95*	
		For >12 Months, Deduct	*-35.84*	

01 52 19 Sanitary Facilities *(01 52)*

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 52 19 00-0001			**Portable Toilets** *(01 52 19)* Note: Includes delivery, set-up, servicing once per week and removal.		
01 52 19 00-0002		WK	Portable Toilets, Chemical	28.33	
			For Each Additional Servicing Per Unit Per Week, Add	*25.00*	
01 52 19 00-0003		MO	Portable Toilets, Chemical	84.99	
			For Each Additional Servicing Per Unit Per Week, Add	*25.00*	
01 52 19 00-0004		WK	ADA Portable Toilets, Chemical	33.79	
			For Each Additional Servicing Per Unit Per Week, Add	*25.00*	
01 52 19 00-0005		MO	ADA Portable Toilets, Chemical	99.16	
			For Each Additional Servicing Per Unit Per Week, Add	*25.00*	
01 52 19 00-0006		WK	Two Station Portable Handwash	27.29	
01 52 19 00-0007		MO	Two Station Portable Handwash	82.79	
01 52 19 00-0008		MO	Portable Toilets, Multi Trailer - 16' Note: Includes women's room (3 toilets, 2 sinks) and men's room (1 toilet, 1 urinal and 1 sink)	2,500.00	
01 52 19 00-0009		WK	Service Trailer Restrooms, 3 Times Per Week	1,874.00	

01 54 Construction Aids *(01 50)*

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

01 54 23 00-0001			**Scaffolding** *(01 54 23)* Note: Additional scaffolding rental for work above the normal working height of 14'. See CSI section 04 05 26 00-0000 for masonry scaffolding.		
01 54 23 00-0002			**Scaffolding Rental - Rental Only** *(01 54 23 00-0001)* Note: Monthly rental of actual scaffolding volume rented. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps and building ties, etc. See CSI section 01 54 23 00-0006 for scaffolding erection and dismantling.		
01 54 23 00-0003		CCF	Scaffolding With Bracing Accessories - Area Based On 5' Wide x 7' Long Sections (CCF / Month)	20.84	
			For Up To 25, Add	*8.34*	
			For >25 To 50, Add	*5.21*	
			For >50 To 150, Add	*2.08*	
01 54 23 00-0004		CCF	Scaffolding With Bracing Accessories - Area Based On 4' Wide x 7' Long Sections (CCF / Month)	23.44	
			For Up To 25, Add	*9.38*	
			For >25 To 50, Add	*5.86*	
			For >50 To 150, Add	*2.34*	
01 54 23 00-0005		CCF	Scaffolding With Bracing Accessories - Area Based On 3' Wide x 7' Long Sections (CCF / Month)	31.26	
			For Up To 25, Add	*12.50*	
			For >25 To 50, Add	*7.82*	
			For >50 To 150, Add	*3.13*	
01 54 23 00-0006			**Scaffolding Erection And Dismantling - Labor Only** *(01 54 23 00-0001)* Note: Includes both erection and dismantling of scaffolding. Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0002 for scaffolding rental.		
01 54 23 00-0007		CCF	Up To 20' Height Scaffolding Erection And Dismantling, Per CCF Of Scaffolding And Accessories Note: Includes both erection and dismantling of scaffolding.	37.52	
01 54 23 00-0008		CCF	>20' To 40' Height Scaffolding Erection And Dismantling, Per CCF Of Scaffolding And Accessories Note: Includes both erection and dismantling of scaffolding.	46.91	
01 54 23 00-0009		CCF	>40' To 60' Height Scaffolding Erection And Dismantling, Per CCF Of Scaffolding And Accessories Note: Includes both erection and dismantling of scaffolding.	56.29	
01 54 23 00-0010		CCF	>60' To 80' Scaffolding Erection And Dismantling, Per CCF Of Scaffolding And Accessories Note: Includes both erection and dismantling of scaffolding.	61.91	
01 54 23 00-0011		CCF	>80' Height Scaffolding Erection And Dismantling, Per CCF Of Scaffolding And Accessories Note: Includes both erection and dismantling of scaffolding.	71.29	
01 54 23 00-0012			**Rolling Scaffolding** *(01 54 23)* Note: Includes moving to perform task. No additional cost for relocating will be allowed.		
01 54 23 00-0013		DAY	Rolling Scaffolding 14' To 20' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	10.15	
01 54 23 00-0014		WK	Rolling Scaffolding 14' To 20' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	40.69	
01 54 23 00-0015		MO	Rolling Scaffolding 14' To 20' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	162.74	
01 54 23 00-0016		DAY	Rolling Scaffolding 21' To 40' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	17.00	
01 54 23 00-0017		WK	Rolling Scaffolding 21' To 40' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	68.08	
01 54 23 00-0018		MO	Rolling Scaffolding 21' To 40' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	272.36	
01 54 23 00-0019		EA	Rolling Scaffolding Erection And Dismantling - Height Up To 20' Note: Includes both erection and dismantling of scaffolding. Used to set-up scaffolding and dismantle for return, per rolling scaffold per job.	85.37	
01 54 23 00-0020		EA	Rolling Scaffolding Erection And Dismantling - Height 21' To 40' Note: Includes both erection and dismantling of scaffolding. Used to set-up scaffolding and dismantle for return, per rolling scaffold per job.	106.72	

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

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

01 54 26 00-0001		MO	Swing Stage, Electric Operated	1,497.38	
01 54 26 00-0002		MO	Swing Stage, Manually Operated, With Ropes, Winch, Support Hooks, Etcetera	539.71	
01 54 26 00-0003		EA	Swing Stage Erection And Dismantling Note: Includes both erection and dismantling of swing stage.	396.80	
01 54 26 00-0004		EA	Move Swing Stage To Different Roof At Same Site	186.48	
01 54 26 00-0005		EA	Move Swing Stage To Different Location At Same Roof	86.07	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 54 29		**Temporary Sidewalk Protection** *(01 54)*		
01 54 29 00-0001		Sidewalk Bridge *(01 54 29)*		
01 54 29 00-0002		Installation of Sidewalk Bridge *(01 54 29 00-0001)*		
01 54 29 00-0003	LF	Installation of Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.	63.79	
		For 3 Post System, Add	*6.00*	
		For Each Additional Foot Over 8' Wide, Add	*3.00*	
		For Each Additional Foot Over 8' High, Add	*2.00*	
01 54 29 00-0004	LF	Installation of Netting for Sidewalk Bridge	3.06	
01 54 29 00-0005		Monthly Rental of Sidewalk Bridge *(01 54 29 00-0001)*		
01 54 29 00-0006	LF	Monthly Rental Of Up To 8' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	5.34	
		For 3 Post System, Add	*0.80*	
01 54 29 00-0007	LF	Monthly Rental Of Up To 8' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	6.01	
		For 3 Post System, Add	*0.90*	
01 54 29 00-0008	LF	Monthly Rental Of Up To 8' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	6.67	
		For 3 Post System, Add	*1.00*	
01 54 29 00-0009	LF	Monthly Rental Of 8' - 12' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	6.67	
		For 3 Post System, Add	*1.00*	
01 54 29 00-0010	LF	Monthly Rental Of 8' - 12' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	7.34	
		For 3 Post System, Add	*1.10*	
01 54 29 00-0011	LF	Monthly Rental Of 8' - 12' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	8.67	
		For 3 Post System, Add	*1.30*	
01 54 29 00-0012	LF	Monthly Rental Of Over 12' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	8.01	
		For 3 Post System, Add	*1.20*	
01 54 29 00-0013	LF	Monthly Rental Of Over 12' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	9.34	
		For 3 Post System, Add	*1.40*	
01 54 29 00-0014	LF	Monthly Rental Of Over 12' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	10.01	
		For 3 Post System, Add	*1.50*	
01 54 29 00-0015	LF	Monthly Rental of Netting for Sidewalk Bridge	1.00	
01 54 29 00-0016		Removal of Sidewalk Bridge *(01 54 29 00-0001)*		
01 54 29 00-0017	LF	Removal of Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.	24.99	
		For 3 Post System, Add	*2.50*	
		For Each Additional Foot Over 8' Wide, Add	*1.25*	
		For Each Additional Foot Over 8' High, Add	*0.75*	
01 54 29 00-0018	LF	Removal of Netting for Sidewalk Bridge	1.53	
01 55		Vehicular Access And Parking *(01 50)*		
01 55 23		**Temporary Roads** *(01 55)*		
01 55 23 00-0001		Temporary Stabilized Construction Entrance *(01 55 23)*		
01 55 23 00-0002	SF	3" To 4" Rock Temporary Stabilized Construction Entrance Assembly Note: Includes excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.	2.40	
01 55 23 00-0003	SF	>4" To 6" Rock Temporary Stabilized Construction Entrance Assembly Note: Includes excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.	3.16	
01 55 23 00-0004		Rumble Trench Plate *(01 55 23)*		
01 55 23 00-0005	MO	8' x 10' Steel Rumble Trench Plate Rental	200.00	
01 55 23 00-0006	EA	Place And Remove Rumble Plate Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	71.82	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 23 00-0007	EA	Relocate And Adjust Location Of Rumble Plate Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	17.96	

01 55 26 Traffic Control *(01 55)*

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

Note: Includes installation and removal after use.

01 55 26 00-0002	LF	6" Removable Traffic Black Line Mask	4.07	
01 55 26 00-0003	LF	8" Removable Traffic Black Line Mask	4.96	

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

Note: Includes installation and removal after use.

01 55 26 00-0005	LF	4" Reflective Removable Traffic Line Tape	3.11	
01 55 26 00-0006	LF	6" Reflective Removable Traffic Line Tape	4.12	
01 55 26 00-0007	LF	8" Reflective Removable Traffic Line Tape	5.06	

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

Note: Includes installation and removal after use.

01 55 26 00-0009	LF	4" Temporary Painted Traffic Lines	2.76	
		For Not Removed, Deduct	*-2.26*	
01 55 26 00-0010	LF	6" Temporary Painted Traffic Lines	3.67	
		For Not Removed, Deduct	*-3.04*	
01 55 26 00-0011	LF	8" Temporary Painted Traffic Lines	4.63	
		For Not Removed, Deduct	*-3.88*	
01 55 26 00-0012	EA	2" High x 2" Wide Temporary Overlay Pavement Markers, "L" With Factory-Applied Adhesive Pad	2.11	
01 55 26 00-0013	EA	2" High x 4" Wide Temporary Overlay Pavement Markers, "L" With Factory-Applied Adhesive Pad	2.12	

01 55 26 00-0014 Pedestrian Traffic Control *(01 55 26)*

01 55 26 00-0015	CLF	1", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange	10.61	
01 55 26 00-0016	CLF	2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange	14.45	
01 55 26 00-0017	CLF	3/4", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow	7.48	
01 55 26 00-0018	CLF	2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow	9.43	
01 55 26 00-0019	CLF	3", 4 Mil Polyethylene Printed Barricade Tape, Non Fluorescent	10.66	
01 55 26 00-0020	CLF	6", 4 Mil Polyethylene Printed Barricade Tape, Non Fluorescent	15.60	
01 55 26 00-0021	CLF	1" Exterior Vinyl Tape (Warning Tape)	13.30	
01 55 26 00-0022	CLF	2" Exterior Vinyl Tape (Warning Tape)	19.55	
01 55 26 00-0023	CLF	3" Exterior Vinyl Tape (Warning Tape)	25.66	
01 55 26 00-0024	CLF	4" Exterior Vinyl Tape (Warning Tape)	30.10	

01 55 26 00-0025 Traffic Protection *(01 55 26)*

01 55 26 00-0026 Portable Traffic Control Device Rental *(01 55 26 00-0025)*

Note: Excludes placing and removing devices.

01 55 26 00-0027	DAY	28" Cone With Reflective Collar	0.43	
01 55 26 00-0028	WK	28" Cone With Reflective Collar	1.29	
01 55 26 00-0029	MO	28" Cone With Reflective Collar	3.86	
01 55 26 00-0030	DAY	Vertical Panel	1.30	
01 55 26 00-0031	WK	Vertical Panel	3.89	
01 55 26 00-0032	MO	Vertical Panel	11.67	
01 55 26 00-0033	DAY	Channelizer Drum	1.41	
01 55 26 00-0034	WK	Channelizer Drum	4.22	
01 55 26 00-0035	MO	Channelizer Drum	12.67	
01 55 26 00-0036	DAY	Stackable Channelizer Panel	0.67	
01 55 26 00-0037	WK	Stackable Channelizer Panel	2.00	
01 55 26 00-0038	MO	Stackable Channelizer Panel	5.99	
01 55 26 00-0039	DAY	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	0.92	
01 55 26 00-0040	WK	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	2.77	
01 55 26 00-0041	MO	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	8.30	
01 55 26 00-0042	DAY	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	2.04	
01 55 26 00-0043	WK	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	6.13	
01 55 26 00-0044	MO	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	18.39	
01 55 26 00-0045	DAY	Type III Barricade, Up To 5' Wide With Three Reflective Rails	2.33	
01 55 26 00-0046	WK	Type III Barricade, Up To 5' Wide With Three Reflective Rails	6.99	
01 55 26 00-0047	MO	Type III Barricade, Up To 5' Wide With Three Reflective Rails	20.96	
01 55 26 00-0048	DAY	Type III Barricade, >5' To 10' Wide With Three Reflective Rails	4.26	
01 55 26 00-0049	WK	Type III Barricade, >5' To 10' Wide With Three Reflective Rails	12.78	
01 55 26 00-0050	MO	Type III Barricade, >5' To 10' Wide With Three Reflective Rails	38.34	
01 55 26 00-0051	DAY	Up To 10' Wide A Frame Barricade	2.34	
01 55 26 00-0052	WK	Up To 10' Wide A Frame Barricade	7.01	
01 55 26 00-0053	MO	Up To 10' Wide A Frame Barricade	21.03	
01 55 26 00-0054	DAY	Type A Or C Flasher	0.48	
01 55 26 00-0055	WK	Type A Or C Flasher	1.43	
01 55 26 00-0056	MO	Type A Or C Flasher	4.29	
01 55 26 00-0057	DAY	Type B Flasher (High Intensity)	2.58	
01 55 26 00-0058	WK	Type B Flasher (High Intensity)	7.75	
01 55 26 00-0059	MO	Type B Flasher (High Intensity)	23.25	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0060		**Traffic Barriers Rental** *(01 55 26 00-0025)* Note: Excludes placing and removing devices.		
01 55 26 00-0061	DAY	6' Long Portable Parking Curbs	1.11	
01 55 26 00-0062	WK	6' Long Portable Parking Curbs	3.34	
01 55 26 00-0063	MO	6' Long Portable Parking Curbs	10.02	
01 55 26 00-0064	DAY	6' Long Portable Speed Bumps	3.29	
01 55 26 00-0065	WK	6' Long Portable Speed Bumps	9.88	
01 55 26 00-0066	MO	6' Long Portable Speed Bumps	29.64	
01 55 26 00-0067	DAY	Up To 12.5' Concrete Traffic Barrier	7.91	
01 55 26 00-0068	WK	Up To 12.5' Concrete Traffic Barrier	23.73	
01 55 26 00-0069	MO	Up To 12.5' Concrete Traffic Barrier	71.20	
01 55 26 00-0070	DAY	>12.5' To 20' Concrete Traffic Barrier	15.82	
01 55 26 00-0071	WK	>12.5' To 20' Concrete Traffic Barrier	47.47	
01 55 26 00-0072	MO	>12.5' To 20' Concrete Traffic Barrier	142.40	
01 55 26 00-0073	DAY	6' x 32" Tall Plastic Water Barrier	9.45	
01 55 26 00-0074	WK	6' x 32" Tall Plastic Water Barrier	28.34	
01 55 26 00-0075	MO	6' x 32" Tall Plastic Water Barrier	85.03	
01 55 26 00-0076	DAY	6' x 46" Tall Plastic Water Barrier	13.49	
01 55 26 00-0077	WK	6' x 46" Tall Plastic Water Barrier	40.47	
01 55 26 00-0078	MO	6' x 46" Tall Plastic Water Barrier	121.41	
01 55 26 00-0079	DAY	Sand Filled Crash Attenuator Barrels	5.28	
01 55 26 00-0080	WK	Sand Filled Crash Attenuator Barrels	15.84	
01 55 26 00-0081	MO	Sand Filled Crash Attenuator Barrels	47.52	
01 55 26 00-0082		**Portable Signs And Message Displays Rental** *(01 55 26 00-0025)* Note: Excludes placing and removing devices.		
01 55 26 00-0083	DAY	Mesh Or Vinyl Roll-up Sign With Stand	4.15	
01 55 26 00-0084	WK	Mesh Or Vinyl Roll-up Sign With Stand	12.44	
01 55 26 00-0085	MO	Mesh Or Vinyl Roll-up Sign With Stand	37.31	
01 55 26 00-0086	DAY	Aluminum Sign And Post	2.35	
01 55 26 00-0087	WK	Aluminum Sign And Post	7.04	
01 55 26 00-0088	MO	Aluminum Sign And Post	21.14	
01 55 26 00-0089	DAY	Aluminum Sign And A Frame Stand	3.13	
01 55 26 00-0090	WK	Aluminum Sign And A Frame Stand	9.40	
01 55 26 00-0091	MO	Aluminum Sign And A Frame Stand	28.21	
01 55 26 00-0092	DAY	Trailer Mounted Arrow Board	47.99	
01 55 26 00-0093	WK	Trailer Mounted Arrow Board	143.98	
01 55 26 00-0094	MO	Trailer Mounted Arrow Board	431.95	
01 55 26 00-0095	DAY	Trailer Mounted Message Board	183.00	
01 55 26 00-0096	WK	Trailer Mounted Message Board	549.00	
01 55 26 00-0097	MO	Trailer Mounted Message Board	1,647.00	
01 55 26 00-0098	DAY	Trailer Mounted Traffic Signal	258.20	
01 55 26 00-0099	WK	Trailer Mounted Traffic Signal	1,704.12	
01 55 26 00-0100	MO	Trailer Mounted Traffic Signal	6,713.20	
01 55 26 00-0101		**Place And Remove Traffic Protection Using Truck** *(01 55 26 00-0025)* Note: Includes delivery and return up to 15 miles.		
01 55 26 00-0102	EA	Place And Remove Up To 250 Cones Using Truck	3.53	
01 55 26 00-0103	EA	Place And Remove >250 Cones Using Truck	2.82	
01 55 26 00-0104	EA	Place And Remove Up To 250 Panels/Channelizers Using Truck	4.70	
01 55 26 00-0105	EA	Place And Remove >250 Panels/Channelizers Using Truck	3.76	
01 55 26 00-0106	EA	Place And Remove Up To 250 Barricades Using Truck	7.05	
01 55 26 00-0107	EA	Place And Remove >250 Barricades Using Truck	5.65	
01 55 26 00-0108	EA	Place And Remove Curbs/Speed Bumps Using Truck	7.05	
01 55 26 00-0109	EA	Place And Remove Portable Sign And Stand Using Truck	4.23	
01 55 26 00-0110	EA	Place And Remove Aluminum Sign And Post Using Truck	17.64	
01 55 26 00-0111	EA	Place And Remove Trailer Mounted Boards Using Truck	52.92	
01 55 26 00-0112	EA	Place And Remove Up To 12.5' Concrete Traffic Barrier Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	71.82	
		For 1 Barrier, Add	*179.55*	
		For 2 Barriers, Add	*64.64*	
		For 3 Barriers, Add	*21.55*	
01 55 26 00-0113	EA	Place And Remove >12.5' Concrete Traffic Barrier Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	107.73	
		For 1 Barrier, Add	*269.33*	
		For 2 Barriers, Add	*96.96*	
		For 3 Barriers, Add	*32.32*	
01 55 26 00-0114	EA	Place And Remove Plastic Water Barrier Note: Includes water. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization tasks.	37.42	
		For 1 Barrier, Add	*89.78*	
		For 2 Barriers, Add	*32.32*	
		For 3 Barriers, Add	*10.77*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0115	EA	Place And Remove Crash Attenuator Barrels Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	53.87	
		For 1 Barrier, Add	*134.68*	
		For 2 Barriers, Add	*48.48*	
		For 3 Barriers, Add	*16.16*	

01 55 26 00-0116 Place And Remove Traffic Protection From Roadside (Daily) *(01 55 26 00-0025)*

01 55 26 00-0117	EA	Place And Remove Up To 250 Cones By Hand From Roadside	1.76
01 55 26 00-0118	EA	Place And Remove >250 Cones By Hand From Roadside	1.42
01 55 26 00-0119	EA	Place And Remove Up To 250 Panels/Channelizers By Hand From Roadside	2.35
01 55 26 00-0120	EA	Place And Remove >250 Panels/Channelizers By Hand From Roadside	1.87
01 55 26 00-0121	EA	Place And Remove Up To 250 Barricades By Hand From Roadside	3.53
01 55 26 00-0122	EA	Place And Remove >250 Barricades By Hand From Roadside	2.82
01 55 26 00-0123	EA	Place And Remove Portable Sign And Stand From Roadside	2.18
01 55 26 00-0124	EA	Place And Remove Trailer Mounted Boards From Roadside	26.47
01 55 26 00-0125	EA	Roadside Relocation Of Concrete Traffic Barrier Note: Excludes flatbed truck. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization.	35.91

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

Note: Includes removal after use.

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

01 56 16 00-0001 Temporary Sheeting For Protection *(01 56 16)*

01 56 16 00-0002	SF	6 Mil Plastic Sheeting, Applied To Floors	0.29
01 56 16 00-0003	SF	6 Mil Plastic Sheeting, Applied To Walls	0.37
01 56 16 00-0004	SF	6 Mil Plastic Sheeting, Applied To Ceilings	0.50
01 56 16 00-0005	SF	10 Mil Shrink Wrap Applied To Scaffolding	0.54
01 56 16 00-0006	SF	6 Mil Plastic Anti Static And Fire And Flame Retardant Sheeting, Applied To Floors	0.39
01 56 16 00-0007	SF	6 Mil Plastic Anti Static And Fire And Flame Retardant Sheeting, Applied To Walls	0.47
01 56 16 00-0008	SF	6 Mil Plastic Anti Static And Fire And Flame Retardant Sheeting, Applied To Ceilings	0.60
01 56 16 00-0009	SF	Burlap, Applied To Floors	0.56
01 56 16 00-0010	EA	7' Zipper Door For Plastic Sheeting	15.06
01 56 16 00-0011	LF	Zip Wall Kit And ICRA Dust Control Awareness Barrier (Per LF Of Wall) Note: Includes up to 12' long spring loaded poles, side clamps, foam rails and 6 mil poly barrier. Excludes zip doors.	5.29
01 56 16 00-0012	EA	Up To 1 SF Individual Critical Barriers Note: For Outlets And Receptacles	7.96
01 56 16 00-0013	EA	>1 To 4 SF Individual Critical Barriers Note: For diffusers, ceiling speakers, return grilles, etc.	12.06
01 56 16 00-0014	EA	>4 To 8 SF Individual Critical Barriers Note: For diffusers, return grilles, access doors, light fixtures, etc.	16.24
01 56 16 00-0015	EA	>8 To 32 SF Individual Critical Barriers Note: For doors, windows, etc.	25.48

01 56 16 00-0016 Temporary Stud Wall *(01 56 16)*

01 56 16 00-0017 Temporary Stud Wall With Drywall *(01 56 16 00-0016)*

Note: Includes 2 x 4 wood studs installed 16" on center, drywall taped and finished, and removal after use. Excludes paint.

01 56 16 00-0018 Temporary Stud Wall With Drywall *(01 56 16 00-0017)*

01 56 16 00-0019	SF	3/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	4.31
		For Metal Studs 24" On Center, Add	*0.32*
01 56 16 00-0020	SF	1/2" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	4.31
		For Metal Studs 24" On Center, Add	*0.32*
01 56 16 00-0021	SF	5/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	4.39
		For Metal Studs 24" On Center, Add	*0.32*
01 56 16 00-0022	SF	3/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	5.99
		For Metal Studs 24" On Center, Add	*0.39*
01 56 16 00-0023	SF	1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	5.99
		For Metal Studs 24" On Center, Add	*0.39*
01 56 16 00-0024	SF	5/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	6.15
		For Metal Studs 24" On Center, Add	*0.39*

01 56 16 00-0025 Temporary Stud Wall With Fire Rated Drywall *(01 56 16 00-0017)*

01 56 16 00-0026	SF	1/2" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	4.40
		For Metal Studs 24" On Center, Add	*0.32*
01 56 16 00-0027	SF	5/8" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	4.43
		For Metal Studs 24" On Center, Add	*0.32*
01 56 16 00-0028	SF	5/8" Type X Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	4.38
		For Metal Studs 24" On Center, Add	*0.32*
01 56 16 00-0029	SF	3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	5.01
		For Metal Studs 24" On Center, Add	*0.32*
01 56 16 00-0030	SF	1/2" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	6.18
		For Metal Studs 24" On Center, Add	*0.39*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0031	SF	5/8" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	6.23	
		For Metal Studs 24" On Center, Add	*0.39*	
01 56 16 00-0032	SF	5/8" Type X Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	6.14	
		For Metal Studs 24" On Center, Add	*0.39*	
01 56 16 00-0033	SF	3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	7.40	
		For Metal Studs 24" On Center, Add	*0.39*	

01 56 16 00-0034 Temporary Stud Wall With Oriented Strand Board (OSB) *(01 56 16 00-0016)*

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

01 56 16 00-0035	SF	7/16" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	4.24	
		For Metal Studs 24" On Center, Add	*0.32*	
01 56 16 00-0036	SF	1/2" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	4.28	
		For Metal Studs 24" On Center, Add	*0.32*	
01 56 16 00-0037	SF	5/8" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	4.39	
		For Metal Studs 24" On Center, Add	*0.32*	
01 56 16 00-0038	SF	3/4" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	4.45	
		For Metal Studs 24" On Center, Add	*0.32*	
01 56 16 00-0039	SF	7/16" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	5.85	
		For Metal Studs 24" On Center, Add	*0.39*	
01 56 16 00-0040	SF	1/2" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	5.93	
		For Metal Studs 24" On Center, Add	*0.39*	
01 56 16 00-0041	SF	5/8" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	6.16	
		For Metal Studs 24" On Center, Add	*0.39*	
01 56 16 00-0042	SF	3/4" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	6.28	
		For Metal Studs 24" On Center, Add	*0.39*	

01 56 16 00-0043 Temporary Stud Wall With BC Plywood *(01 56 16 00-0016)*

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

01 56 16 00-0044	SF	3/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	4.51	
		For Metal Studs 24" On Center, Add	*0.32*	
01 56 16 00-0045	SF	1/2" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	4.65	
		For Metal Studs 24" On Center, Add	*0.32*	
01 56 16 00-0046	SF	5/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	4.80	
		For Metal Studs 24" On Center, Add	*0.32*	
01 56 16 00-0047	SF	3/4" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	4.93	
		For Metal Studs 24" On Center, Add	*0.32*	
01 56 16 00-0048	SF	3/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	6.39	
		For Metal Studs 24" On Center, Add	*0.39*	
01 56 16 00-0049	SF	1/2" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	6.68	
		For Metal Studs 24" On Center, Add	*0.39*	
01 56 16 00-0050	SF	5/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	6.98	
		For Metal Studs 24" On Center, Add	*0.39*	
01 56 16 00-0051	SF	3/4" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	7.23	
		For Metal Studs 24" On Center, Add	*0.39*	

01 56 16 00-0052 Temporary Stud Wall With Plastic Sheeting *(01 56 16 00-0016)*

Note: Includes 2 x 4 wood studs installed 16" on center, 6 Mil plastic sheeting, and removal after use. Excludes paint.

01 56 16 00-0053	SF	6 Mil Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center	2.46	

01 56 16 00-0054 Temporary Doors *(01 56 16 00-0016)*

01 56 16 00-0055	EA	Temporary Metal Door And Frame Note: Painted with panic hardware, lockset, threshold and smoke seals. Remove after use.	386.37	

01 56 16 00-0056 Temporary Floor Protection *(01 56 16)*

01 56 16 00-0057	SF	Masonite For Temporary Floor Protection	1.33	
01 56 16 00-0058	SF	1/2" Plywood For Temporary Floor Protection	1.41	
01 56 16 00-0059	SF	3/4" Plywood For Temporary Floor Protection	1.72	

01 56 16 00-0060 Sticky Mats *(01 56 16)*

01 56 16 00-0061	EA	18" x 36", 30 Layer Sticky Mat	27.01	
		For 60 Layers Instead Of 30, Add	*17.70*	
01 56 16 00-0062	EA	18" x 46", 30 Layer Sticky Mat	31.04	
		For 60 Layers Instead Of 30, Add	*20.72*	
01 56 16 00-0063	EA	24" x 36", 30 Layer Sticky Mat	31.04	
		For 60 Layers Instead Of 30, Add	*20.72*	
01 56 16 00-0064	EA	25" x 45", 30 Layer Sticky Mat	41.98	
		For 60 Layers Instead Of 30, Add	*28.93*	
01 56 16 00-0065	EA	26" x 46", 30 Layer Sticky Mat	42.55	
		For 60 Layers Instead Of 30, Add	*29.36*	
01 56 16 00-0066	EA	36" x 36", 30 Layer Sticky Mat	48.88	
		For 60 Layers Instead Of 30, Add	*34.10*	
01 56 16 00-0067	EA	36" x 46", 30 Layer Sticky Mat	54.64	
		For 60 Layers Instead Of 30, Add	*38.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0068	EA	36" x 48", 30 Layer Sticky Mat	63.27	
01 56 16 00-0069	EA	36" x 60", 30 Layer Sticky Mat	81.12	
		For 60 Layers Instead Of 30, Add	*58.28*	
01 56 16 00-0070	EA	36" x 72", 30 Layer Sticky Mat	95.51	
01 56 16 00-0071	EA	40" x 48", 30 Layer Sticky Mat	101.26	
01 56 16 00-0072	EA	45" x 50", 30 Layer Sticky Mat	107.02	
		For 60 Layers Instead Of 30, Add	*98.43*	
01 56 16 00-0073	EA	46" x 48", 30 Layer Sticky Mat	90.33	
01 56 16 00-0074	EA	46" x 60", 30 Layer Sticky Mat	98.38	
		For 60 Layers Instead Of 30, Add	*90.22*	
01 56 16 00-0075	EA	60" x 72", 30 Layer Sticky Mat	173.21	
		For 60 Layers Instead Of 30, Add	*161.31*	

01 56 26 Temporary Fencing *(01 56)*

01 56 26 00-0001 Temporary Fencing *(01 56 26)*

Note: Includes set-up and removal. Excludes auguring/drilling for posts.

01 56 26 00-0002 Temporary Chain Link Fence *(01 56 26 00-0001)*

Note: Includes set-up and removal. Excludes auguring/drilling for posts.

01 56 26 00-0003 Temporary Chain Link Fence, Up To 6 Months *(01 56 26 00-0002)*

01 56 26 00-0004	LF	Temporary 4' High Chain Link Fence And Posts, Up To 6 Months	3.15
		For >100 To 250, Deduct	*-0.16*
		For >250 To 500, Deduct	*-0.32*
		For >500, Deduct	*-0.47*
		For Shade Cloth, Add	*1.60*
01 56 26 00-0005	LF	Temporary 6' High Chain Link Fence And Posts, Up To 6 Months	3.56
		For >100 To 250, Deduct	*-0.18*
		For >250 To 500, Deduct	*-0.36*
		For >500, Deduct	*-0.53*
		For Shade Cloth, Add	*2.55*
01 56 26 00-0006	LF	Temporary 8' High Chain Link Fence And Posts, Up To 6 Months	6.01
		For >100 To 250, Deduct	*-0.30*
		For >250 To 500, Deduct	*-0.60*
		For >500, Deduct	*-0.90*
		For Shade Cloth, Add	*3.60*
01 56 26 00-0007	LF	Temporary 10' High Chain Link Fence And Posts, Up To 6 Months	17.88
		For >100 To 250, Deduct	*-0.89*
		For >250 To 500, Deduct	*-1.79*
		For >500, Deduct	*-2.68*
		For Shade Cloth, Add	*4.75*

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

01 56 26 00-0009	LF	Temporary 4' High Chain Link Fence And Posts, >6 To 12 Months	3.48
		For >100 To 250, Deduct	*-0.17*
		For >250 To 500, Deduct	*-0.35*
		For >500, Deduct	*-0.52*
		For Shade Cloth, Add	*1.60*
01 56 26 00-0010	LF	Temporary 6' High Chain Link Fence And Posts, >6 To 12 Months	3.91
		For >100 To 250, Deduct	*-0.20*
		For >250 To 500, Deduct	*-0.39*
		For >500, Deduct	*-0.59*
		For Shade Cloth, Add	*2.55*
01 56 26 00-0011	LF	Temporary 8' High Chain Link Fence And Posts, >6 To 12 Months	6.61
		For >100 To 250, Deduct	*-0.33*
		For >250 To 500, Deduct	*-0.66*
		For >500, Deduct	*-0.99*
		For Shade Cloth, Add	*3.60*
01 56 26 00-0012	LF	Temporary 10' High Chain Link Fence And Posts, >6 To 12 Months	19.66
		For >100 To 250, Deduct	*-0.98*
		For >250 To 500, Deduct	*-1.97*
		For >500, Deduct	*-2.95*
		For Shade Cloth, Add	*4.75*

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

01 56 26 00-0014	LF	Temporary 4' High Chain Link Fence And Posts, >12 To 18 Months	3.83
		For >100 To 250, Deduct	*-0.19*
		For >250 To 500, Deduct	*-0.38*
		For >500, Deduct	*-0.57*
		For Shade Cloth, Add	*1.60*
01 56 26 00-0015	LF	Temporary 6' High Chain Link Fence And Posts, >12 To 18 Months	4.31
		For >100 To 250, Deduct	*-0.22*
		For >250 To 500, Deduct	*-0.43*
		For >500, Deduct	*-0.65*
		For Shade Cloth, Add	*2.55*
01 56 26 00-0016	LF	Temporary 8' High Chain Link Fence And Posts, >12 To 18 Months	7.28
		For >100 To 250, Deduct	*-0.36*
		For >250 To 500, Deduct	*-0.73*
		For >500, Deduct	*-1.09*
		For Shade Cloth, Add	*3.60*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0017	LF	Temporary 10' High Chain Link Fence And Posts, >12 To 18 Months	21.63	
		For >100 To 250, Deduct	*-1.08*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-3.24*	
		For Shade Cloth, Add	*4.75*	

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

01 56 26 00-0019	LF	Temporary 4' High Chain Link Fence And Posts, >18 Months	4.21	
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.42*	
		For >500, Deduct	*-0.63*	
		For Shade Cloth, Add	*1.60*	
01 56 26 00-0020	LF	Temporary 6' High Chain Link Fence And Posts, >18 Months	4.72	
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.47*	
		For >500, Deduct	*-0.71*	
		For Shade Cloth, Add	*2.55*	
01 56 26 00-0021	LF	Temporary 8' High Chain Link Fence And Posts, >18 Months	7.99	
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 500, Deduct	*-0.80*	
		For >500, Deduct	*-1.20*	
		For Shade Cloth, Add	*3.60*	
01 56 26 00-0022	LF	Temporary 10' High Chain Link Fence And Posts, >18 Months	23.78	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-3.57*	
		For Shade Cloth, Add	*4.75*	

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

Note: Includes set-up and removal. Excludes auguring/drilling for posts.

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

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

01 56 26 00-0026	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	200.98	
		For Shade Cloth, Add	*15.01*	
01 56 26 00-0027	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	312.64	
		For Shade Cloth, Add	*37.52*	
01 56 26 00-0028	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	357.30	
		For Shade Cloth, Add	*45.02*	
01 56 26 00-0029	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	401.96	
		For Shade Cloth, Add	*56.28*	
01 56 26 00-0030	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	491.28	
		For Shade Cloth, Add	*75.03*	
01 56 26 00-0031	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	535.97	
		For Shade Cloth, Add	*90.04*	

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

01 56 26 00-0033	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	210.12	
		For Shade Cloth, Add	*23.92*	
01 56 26 00-0034	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	326.84	
		For Shade Cloth, Add	*59.79*	
01 56 26 00-0035	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	373.53	
		For Shade Cloth, Add	*71.75*	
01 56 26 00-0036	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	420.25	
		For Shade Cloth, Add	*89.69*	
01 56 26 00-0037	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	513.62	
		For Shade Cloth, Add	*119.58*	
01 56 26 00-0038	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	560.31	
		For Shade Cloth, Add	*143.50*	

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

01 56 26 00-0040	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	231.13	
		For Shade Cloth, Add	*33.77*	
01 56 26 00-0041	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	359.54	
		For Shade Cloth, Add	*84.41*	
01 56 26 00-0042	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	410.90	
		For Shade Cloth, Add	*101.30*	
01 56 26 00-0043	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	462.26	
		For Shade Cloth, Add	*126.62*	
01 56 26 00-0044	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	564.99	
		For Shade Cloth, Add	*168.83*	
01 56 26 00-0045	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	616.35	
		For Shade Cloth, Add	*202.59*	

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

01 56 26 00-0047	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	288.91	
		For Shade Cloth, Add	*44.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0048	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	449.42	
		For Shade Cloth, Add	*111.38*	
01 56 26 00-0049	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	513.62	
		For Shade Cloth, Add	*133.65*	
01 56 26 00-0050	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	577.83	
		For Shade Cloth, Add	*167.07*	
01 56 26 00-0051	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	706.23	
		For Shade Cloth, Add	*222.76*	
01 56 26 00-0052	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	770.43	
		For Shade Cloth, Add	*267.31*	
01 56 26 00-0053		Temporary Chain Link Fence Gates, >6 To 12 Months *(01 56 26 00-0023)*		
01 56 26 00-0054		4' High, Temporary Chain Link Fence Gates, >6 To 12 Months *(01 56 26 00-0053)*		
01 56 26 00-0055	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	211.03	
		For Shade Cloth, Add	*15.01*	
01 56 26 00-0056	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	328.27	
		For Shade Cloth, Add	*37.52*	
01 56 26 00-0057	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	375.17	
		For Shade Cloth, Add	*45.02*	
01 56 26 00-0058	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	422.06	
		For Shade Cloth, Add	*56.28*	
01 56 26 00-0059	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	515.84	
		For Shade Cloth, Add	*75.03*	
01 56 26 00-0060	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	562.76	
		For Shade Cloth, Add	*90.04*	
01 56 26 00-0061		6' High, Temporary Chain Link Fence Gates, >6 To 12 Months *(01 56 26 00-0053)*		
01 56 26 00-0062	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	220.63	
		For Shade Cloth, Add	*23.92*	
01 56 26 00-0063	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	343.19	
		For Shade Cloth, Add	*59.79*	
01 56 26 00-0064	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	392.21	
		For Shade Cloth, Add	*71.75*	
01 56 26 00-0065	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	441.26	
		For Shade Cloth, Add	*89.69*	
01 56 26 00-0066	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	539.30	
		For Shade Cloth, Add	*119.58*	
01 56 26 00-0067	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	588.33	
		For Shade Cloth, Add	*143.50*	
01 56 26 00-0068		8' High, Temporary Chain Link Fence Gates, >6 To 12 Months *(01 56 26 00-0053)*		
01 56 26 00-0069	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	242.69	
		For Shade Cloth, Add	*33.77*	
01 56 26 00-0070	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	377.51	
		For Shade Cloth, Add	*84.41*	
01 56 26 00-0071	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	431.44	
		For Shade Cloth, Add	*101.30*	
01 56 26 00-0072	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	485.37	
		For Shade Cloth, Add	*126.62*	
01 56 26 00-0073	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	593.23	
		For Shade Cloth, Add	*168.83*	
01 56 26 00-0074	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	647.16	
		For Shade Cloth, Add	*202.59*	
01 56 26 00-0075		10' High, Temporary Chain Link Fence Gates, >6 To 12 Months *(01 56 26 00-0053)*		
01 56 26 00-0076	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	303.36	
		For Shade Cloth, Add	*44.55*	
01 56 26 00-0077	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	471.89	
		For Shade Cloth, Add	*111.38*	
01 56 26 00-0078	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	539.30	
		For Shade Cloth, Add	*133.65*	
01 56 26 00-0079	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	606.72	
		For Shade Cloth, Add	*167.07*	
01 56 26 00-0080	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	741.54	
		For Shade Cloth, Add	*222.76*	
01 56 26 00-0081	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	808.96	
		For Shade Cloth, Add	*267.31*	
01 56 26 00-0082		Temporary Chain Link Fence Gates, >12 To 18 Months *(01 56 26 00-0023)*		
01 56 26 00-0083		4' High, Temporary Chain Link Fence Gates, >12 To 18 Months *(01 56 26 00-0082)*		
01 56 26 00-0084	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	221.58	
		For Shade Cloth, Add	*15.01*	
01 56 26 00-0085	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	344.69	
		For Shade Cloth, Add	*37.52*	
01 56 26 00-0086	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	393.93	
		For Shade Cloth, Add	*45.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0087	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	443.16	
		For Shade Cloth, Add	*56.28*	
01 56 26 00-0088	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	541.64	
		For Shade Cloth, Add	*75.03*	
01 56 26 00-0089	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	590.90	
		For Shade Cloth, Add	*90.04*	
01 56 26 00-0090		6' High, Temporary Chain Link Fence Gates, >12 To 18 Months *(01 56 26 00-0082)*		
01 56 26 00-0091	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	231.66	
		For Shade Cloth, Add	*23.92*	
01 56 26 00-0092	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	360.35	
		For Shade Cloth, Add	*59.79*	
01 56 26 00-0093	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	411.82	
		For Shade Cloth, Add	*71.75*	
01 56 26 00-0094	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	463.32	
		For Shade Cloth, Add	*89.69*	
01 56 26 00-0095	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	566.27	
		For Shade Cloth, Add	*119.58*	
01 56 26 00-0096	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	617.74	
		For Shade Cloth, Add	*143.50*	
01 56 26 00-0097		8' High, Temporary Chain Link Fence Gates, >12 To 18 Months *(01 56 26 00-0082)*		
01 56 26 00-0098	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	254.82	
		For Shade Cloth, Add	*33.77*	
01 56 26 00-0099	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	396.39	
		For Shade Cloth, Add	*84.41*	
01 56 26 00-0100	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	453.02	
		For Shade Cloth, Add	*101.30*	
01 56 26 00-0101	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	509.64	
		For Shade Cloth, Add	*126.62*	
01 56 26 00-0102	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	622.90	
		For Shade Cloth, Add	*168.83*	
01 56 26 00-0103	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	679.52	
		For Shade Cloth, Add	*202.59*	
01 56 26 00-0104		10' High, Temporary Chain Link Fence Gates, >12 To 18 Months *(01 56 26 00-0082)*		
01 56 26 00-0105	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	318.53	
		For Shade Cloth, Add	*44.55*	
01 56 26 00-0106	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	495.49	
		For Shade Cloth, Add	*111.38*	
01 56 26 00-0107	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	566.27	
		For Shade Cloth, Add	*133.65*	
01 56 26 00-0108	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	637.05	
		For Shade Cloth, Add	*167.07*	
01 56 26 00-0109	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	778.62	
		For Shade Cloth, Add	*222.76*	
01 56 26 00-0110	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	849.40	
		For Shade Cloth, Add	*267.31*	
01 56 26 00-0111		Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0023)*		
01 56 26 00-0112		4' High, Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0111)*		
01 56 26 00-0113	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	232.13	
		For Shade Cloth, Add	*15.01*	
01 56 26 00-0114	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	361.10	
		For Shade Cloth, Add	*37.52*	
01 56 26 00-0115	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	412.68	
		For Shade Cloth, Add	*45.02*	
01 56 26 00-0116	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	464.27	
		For Shade Cloth, Add	*56.28*	
01 56 26 00-0117	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	567.43	
		For Shade Cloth, Add	*75.03*	
01 56 26 00-0118	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	619.04	
		For Shade Cloth, Add	*90.04*	
01 56 26 00-0119		6' High, Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0111)*		
01 56 26 00-0120	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	242.69	
		For Shade Cloth, Add	*23.92*	
01 56 26 00-0121	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	377.50	
		For Shade Cloth, Add	*59.79*	
01 56 26 00-0122	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	431.43	
		For Shade Cloth, Add	*71.75*	
01 56 26 00-0123	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	485.38	
		For Shade Cloth, Add	*89.69*	
01 56 26 00-0124	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	593.23	
		For Shade Cloth, Add	*119.58*	
01 56 26 00-0125	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	647.16	
		For Shade Cloth, Add	*143.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0126		**8' High, Temporary Chain Link Fence Gates, >18 Months** *(01 56 26 00-0111)*		
01 56 26 00-0127	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	266.96	
		For Shade Cloth, Add	*33.77*	
01 56 26 00-0128	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	415.26	
		For Shade Cloth, Add	*84.41*	
01 56 26 00-0129	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	474.59	
		For Shade Cloth, Add	*101.30*	
01 56 26 00-0130	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	533.91	
		For Shade Cloth, Add	*126.62*	
01 56 26 00-0131	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	652.56	
		For Shade Cloth, Add	*168.83*	
01 56 26 00-0132	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	711.88	
		For Shade Cloth, Add	*202.59*	
01 56 26 00-0133		**10' High, Temporary Chain Link Fence Gates, >18 Months** *(01 56 26 00-0111)*		
01 56 26 00-0134	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	333.69	
		For Shade Cloth, Add	*44.55*	
01 56 26 00-0135	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	519.08	
		For Shade Cloth, Add	*111.38*	
01 56 26 00-0136	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	593.23	
		For Shade Cloth, Add	*133.65*	
01 56 26 00-0137	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	667.39	
		For Shade Cloth, Add	*167.07*	
01 56 26 00-0138	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	815.70	
		For Shade Cloth, Add	*222.76*	
01 56 26 00-0139	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	889.85	
		For Shade Cloth, Add	*267.31*	
01 56 26 00-0140		**Temporary Chain Link Fence Panels (Portable)** *(01 56 26 00-0001)*		
		Note: Includes set-up and removal. Excludes sandbags.		
01 56 26 00-0141		**Temporary Chain Link Fence Panels (Portable), Up To 6 Months** *(01 56 26 00-0140)*		
01 56 26 00-0142	LF	Temporary 4' High Chain Link Fence Panels (Portable), Up To 6 Months	3.78	
		For >100 To 250, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.38*	
		For >500, Deduct	*-0.57*	
		For Shade Cloth, Add	*1.60*	
01 56 26 00-0143	LF	Temporary 6' High Chain Link Fence Panels (Portable), Up To 6 Months	4.23	
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.42*	
		For >500, Deduct	*-0.63*	
		For Shade Cloth, Add	*2.55*	
01 56 26 00-0144	LF	Temporary 8' High Chain Link Fence Panels (Portable), Up To 6 Months	6.82	
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.68*	
		For >500, Deduct	*-1.02*	
		For Shade Cloth, Add	*3.60*	
01 56 26 00-0145		**Temporary Chain Link Fence Panels (Portable), >6 To 12 Months** *(01 56 26 00-0140)*		
01 56 26 00-0146	LF	Temporary 4' High Chain Link Fence Panels (Portable), >6 To 12 Months	4.10	
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.41*	
		For >500, Deduct	*-0.62*	
		For Shade Cloth, Add	*1.60*	
01 56 26 00-0147	LF	Temporary 6' High Chain Link Fence Panels (Portable), >6 To 12 Months	4.58	
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.46*	
		For >500, Deduct	*-0.69*	
		For Shade Cloth, Add	*2.55*	
01 56 26 00-0148	LF	Temporary 8' High Chain Link Fence Panels (Portable), >6 To 12 Months	7.42	
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.74*	
		For >500, Deduct	*-1.11*	
		For Shade Cloth, Add	*3.60*	
01 56 26 00-0149		**Temporary Chain Link Fence Panels (Portable), >12 To 18 Months** *(01 56 26 00-0140)*		
01 56 26 00-0150	LF	Temporary 4' High Chain Link Fence Panels (Portable), >12 To 18 Months	4.42	
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.44*	
		For >500, Deduct	*-0.66*	
		For Shade Cloth, Add	*1.60*	
01 56 26 00-0151	LF	Temporary 6' High Chain Link Fence Panels (Portable), >12 To 18 Months	4.99	
		For >100 To 250, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.50*	
		For >500, Deduct	*-0.75*	
		For Shade Cloth, Add	*2.55*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0152	LF	Temporary 8' High Chain Link Fence Panels (Portable), >12 To 18 Months	8.09	
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-1.21*	
		For Shade Cloth, Add	*3.60*	

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

01 56 26 00-0154	LF	Temporary 4' High Chain Link Fence Panels (Portable), >18 Months	4.83	
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.48*	
		For >500, Deduct	*-0.72*	
		For Shade Cloth, Add	*1.60*	
01 56 26 00-0155	LF	Temporary 6' High Chain Link Fence Panels (Portable), >18 Months	5.39	
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.54*	
		For >500, Deduct	*-0.81*	
		For Shade Cloth, Add	*2.55*	
01 56 26 00-0156	LF	Temporary 8' High Chain Link Fence Panels (Portable), >18 Months	8.79	
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.32*	
		For Shade Cloth, Add	*3.60*	

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

01 56 26 00-0158	BAG	Temporary Chain Link Fence Panels (Portable) Sandbag Note: Includes placement and removal.	5.20	

01 56 26 00-0159 Relocate Chain Link Fence, Gates And Panels *(01 56 26 00-0001)*

Note: Excludes auguring/drilling for posts.

01 56 26 00-0160 Relocate Temporary Chain Link Fence On Site *(01 56 26 00-0159)*

01 56 26 00-0161	LF	Relocate Temporary 4' High Chain Link Fence And Posts	2.15	
01 56 26 00-0162	LF	Relocate Temporary 6' High Chain Link Fence And Posts	3.23	
01 56 26 00-0163	LF	Relocate Temporary 8' High Chain Link Fence And Posts	4.66	
01 56 26 00-0164	LF	Relocate Temporary 10' High Chain Link Fence And Posts	5.74	

01 56 26 00-0165 Relocate Temporary Chain Link Fence Panels On Site *(01 56 26 00-0159)*

01 56 26 00-0166	LF	Relocate Temporary 4' High Chain Link Fence Panel, Self Standing	0.68	
01 56 26 00-0167	LF	Relocate Temporary 6' High Chain Link Fence Panel, Self Standing	0.82	
01 56 26 00-0168	LF	Relocate Temporary 8' High Chain Link Fence Panel, Self Standing	0.92	

01 56 26 00-0169 Relocate Temporary Chain Link Gates On Site *(01 56 26 00-0159)*

01 56 26 00-0170	EA	Relocate Temporary 4' High Chain Link Vehicle Gate And Posts	88.79	
01 56 26 00-0171	EA	Relocate Temporary 6' High Chain Link Vehicle Gate And Posts	102.45	
01 56 26 00-0172	EA	Relocate Temporary 8' High Chain Link Vehicle Gate And Posts	126.37	
01 56 26 00-0173	EA	Relocate Temporary 10' High Chain Link Vehicle Gate And Posts	136.61	

01 56 26 00-0174 Temporary Safety Fence *(01 56 26)*

Note: Includes removal after use.

01 56 26 00-0175	LF	Temporary Safety Fence, Plastic Mesh, 48" High With Posts At 8' On Center	2.37	

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

01 56 29 00-0001 Temporary Walkways And Railings *(01 56 29)*

01 56 29 00-0002	LF	Temporary Wooden Guardrail With Top-Rail With Two Side Rails On 36" High 2 x 4 Posts 18" On Center Attached To Walkway Note: Excludes walkway.	8.88	
01 56 29 00-0003	SF	Temporary Walkway With 3/4" Plywood On 2 x 6 Stringers	4.41	
01 56 29 00-0004	RSR	Temporary Stairs On 2 x 12 Stringers (Cost Per Riser)	15.43	

01 56 29 00-0005 Safety Nets *(01 56 29)*

01 56 29 00-0006	SF	Small Mesh Debris Netting Note: Includes 3" molded plastic base plates, plastic cable ties, and 1/4", 7x9 aircraft cable tied off to structure, not including anchors.	1.35	

01 56 33 Temporary Security Barriers *(01 56)*

01 56 33 00-0001 Temporary Fiberglass Panels *(01 56 33)*

01 56 33 00-0002	SF	Prefabricated Fiberglass Panels	1.37	

01 56 33 00-0003 Temporary Safety Guardrail *(01 56 33)*

Note: Includes removal after use.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 33 00-0004	LF	42" High, Wood Temporary Safety Guardrail Note: Includes 2" x 4" construction, top, middle and bottom horizontal rails, and post boots.	22.50	
		For Attachment To A Concrete Substrate, Add	*1.13*	
01 56 33 00-0005		**Board-up Opening With Plywood** *(01 56 33)* Note: For use where directed by owner for boarding up door and window openings.		
01 56 33 00-0006	OPN	Remove Protective Barrier To Allow Work In Building, Reseal At End Of Day, Per Opening Per Day	10.25	
01 56 33 00-0007	SF	Board-up Opening With 5/8" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners	5.71	
01 56 33 00-0008	SF	Board-up Opening With 3/4" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners	6.62	
01 56 33 00-0009		**Street Barricade** *(01 56 33)*		
01 56 33 00-0010	LF	Temporary Street Barricade, Using 12" x 12" Beam As Base With 2" x 4" Top Warning Rail And Sides, Per Month	7.88	
01 56 39		**Temporary Tree And Plant Protection** *(01 56)*		
01 56 39 00-0001		**Temporary Tree Guards** *(01 56 39)* Note: Includes digging holes and removal.		
01 56 39 00-0002	EA	Up To 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail	133.94	
01 56 39 00-0003	EA	4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail	154.92	
01 56 39 00-0004	EA	6' x 6' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail	167.52	
01 57		**Temporary Controls** *(01 50)*		
01 57 13		**Temporary Erosion And Sediment Control** *(01 57)* See CSI section 31 25 00 00-0000 for temporary erosion and sediment control.		
01 57 23		**Temporary Storm Water Pollution Control** *(01 57)* See CSI section 31 25 00 00-0000 for temporary storm water pollution control.		
01 58		**Project Identification** *(01 50)* Note: Includes removal after use.		
01 58 13		**Temporary Project Signage** *(01 58)*		
01 58 13 00-0001		**Project Sign** *(01 58 13)*		
01 58 13 00-0002		**MDO Plywood Signs** *(01 58 13 00-0001)* Note: Excludes posts.		
01 58 13 00-0003		**Reflectorized, MDO Plywood Signs** *(01 58 13 00-0002)*		
01 58 13 00-0004		**Engineer Grade, Reflectorized, MDO Plywood Signs** *(01 58 13 00-0003)*		
01 58 13 00-0005	EA	Up To 8 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	99.53	18.79
		For High-Intensity Grade, Add	*21.69*	
		For Diamond Grade, Add	*41.82*	
01 58 13 00-0006	EA	>8 To 16 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	163.22	19.64
		For High-Intensity Grade, Add	*43.38*	
		For Diamond Grade, Add	*83.65*	
01 58 13 00-0007	EA	>16 To 24 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	226.88	20.50
		For High-Intensity Grade, Add	*65.06*	
		For Diamond Grade, Add	*125.48*	
01 58 13 00-0008	EA	>24 To 32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	290.55	21.35
		For High-Intensity Grade, Add	*86.75*	
		For Diamond Grade, Add	*167.30*	
01 58 13 00-0009	SF	>32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	9.11	0.68
		For High-Intensity Grade, Add	*2.71*	
		For Diamond Grade, Add	*5.23*	
01 58 13 00-0010		**Non-Reflectorized, MDO Plywood Signs** *(01 58 13 00-0002)*		
01 58 13 00-0011		**One Or Two Color Design, Non-Reflectorized, MDO Plywood Signs** *(01 58 13 00-0010)*		
01 58 13 00-0012	EA	Up To 8 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign	121.64	18.79
01 58 13 00-0013	EA	>8 To 16 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign	143.42	19.64
01 58 13 00-0014	EA	>16 To 24 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign	177.12	20.50
01 58 13 00-0015	EA	>24 To 32 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign	208.98	21.35
01 58 13 00-0016	SF	>32 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign	6.56	0.68
01 58 13 00-0017		**Full Color Design, Non-Reflectorized, MDO Plywood Signs** *(01 58 13 00-0010)*		
01 58 13 00-0018	EA	Up To 8 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign	124.00	18.79
01 58 13 00-0019	EA	>8 To 16 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign	156.18	19.64
01 58 13 00-0020	EA	>16 To 24 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign	190.09	20.50
01 58 13 00-0021	EA	>24 To 32 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign	220.10	21.35
01 58 13 00-0022	SF	>32 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign	6.90	0.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 58 13 00-0023		Fabricate And Install New Posts *(01 58 13 00-0001)* Note: Includes excavation, backfill and compaction. Excludes core drilling.		
01 58 13 00-0024	LF	Galvanized Metal Channel Sign Posts	10.76	
01 58 13 00-0025	LF	4" x 4" Pressure Treated Wood Sign Posts	8.32	
01 58 13 00-0026	LF	4" x 6" Pressure Treated Wood Sign Posts	9.77	
01 58 13 00-0027		Owner Supplied Signs *(01 58 13 00-0001)*		
01 58 13 00-0028	EA	Install And Remove Owner Supplied Project Sign	68.32	

01 60 Product Requirements *(01)*

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

01 66 19 Material Handling *(01 66)*

Note: Not for use in conjunction with other tasks when the distance is less than 2 stories with attic (2-1/2 stories) or less than 125'.

01 66 19 00-0001		Material Handling Between Floors *(01 66 19)*		
01 66 19 00-0002	CY	Moving Material Via Stairs, Per CY Of Material Per Floor Note: Quantity equals material volume times number of floors traveled.	7.51	
01 66 19 00-0003	CY	Moving Material Via Elevator, Per CY Of Material Note: Quantity equals material volume. If more than one elevator is used, the quantity is factored by the number of transfers.	4.50	
01 66 19 00-0004		Moving Furniture *(01 66 19)* Note: To be used when contractor is required to move furniture. Not to be used when the amount of furniture is less than 55% of the total floor space. Moving of furniture which occupies less than 55% of the total floor space is considered as part of the coefficient adjustment factor.		
01 66 19 00-0005	SF	Remove, Transport, Return And Reinstall Office Furniture Note: Includes general, desks, tables, file cabinets (full), chairs, storage boxes, bookshelves, office equipment and computers (per SF of office area). Not to be used when amount of furniture is less than 55% of total floor space.	0.85	
01 66 19 00-0006		Material Handling For Distances Greater Than 125' *(01 66 19)*		
01 66 19 00-0007	CY	Handling Material For Over 125' Per CY Of Material Per 125' Note: For delivery, demolition or miscellaneous moving required by owner.	3.56	
01 66 19 00-0008		Rubbish Handling Between Floors *(01 66 19)* Note: Only use with selective demolition tasks to transfer demolished material more than 2-1/2 stories.		
01 66 19 00-0009	CY	Rubbish Handling Via Stairs, Per CY Of Material Per Floor Note: Quantity equals material volume times bulk factor times number of floors traveled.	6.83	
01 66 19 00-0010	CY	Rubbish Handling Via Elevator, Per CY Of Material Note: Quantity equals material volume times bulk factor. If more than one elevator is used, the quantity is factored by the number of transfers.	4.09	

01 70 Execution And Closeout Requirements *(01)*

01 71 Examination And Preparation *(01 70)*

01 71 13 Mobilization *(01 71)*

01 71 13 00-0001		Equipment Delivery, Pickup, Mobilization And Demobilization *(01 71 13)* Note: Excludes flagman for traffic control where necessary.		
01 71 13 00-0002	EA	Equipment Delivery, Pickup, Mobilization And Demobilization Using A Rollback Flatbed Truck Note: Includes delivery of equipment, off loading on site, rigging, dismantling, loading and transporting away. For equipment such as trenchers, skid-steer loaders (bobcats), industrial warehouse forklifts, sweepers, scissor platform lifts, telescoping and articulating boom manlifts with up to 40' boom lengths, etc.	201.32	
01 71 13 00-0003	EA	Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' Bed Note: Includes delivery of equipment, off loading on site, rigging, dismantling, loading and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom manlifts with >40' boom lengths, etc.	402.63	
01 71 13 00-0004		Crane Delivery, Pickup, Mobilization And Demobilization *(01 71 13)* Note: Includes delivery of equipment, off loading on site and rigging. Return includes dismantling, loading and transporting away. Excludes flagman for traffic control where necessary.		
01 71 13 00-0005	EA	Up To 20 Ton Lift Move On/Off Cost, Truck Mounted Crane Note: Includes delivery and pickup.	260.40	
		For >30 To 60 Miles Radius, Add	*65.10*	
		For >60 To 100 Miles Radius, Add	*104.16*	
01 71 13 00-0006	EA	20 To 30 Ton Lift Move On/Off Cost, Truck Mounted Crane Note: Includes delivery and pickup.	374.98	
		For >30 To 60 Miles Radius, Add	*93.75*	
		For >60 To 100 Miles Radius, Add	*149.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 13 00-0007	EA	40 To 50 Ton Lift Move On/Off Cost, Truck Mounted Crane Note: Includes delivery and pickup.	499.97	
		For >30 To 60 Miles Radius, Add	*124.99*	
		For >60 To 100 Miles Radius, Add	*199.99*	
01 71 13 00-0008	EA	70 To 100 Ton Lift Move On/Off Cost, Truck Mounted Crane Note: Includes delivery and pickup.	812.45	
		For >30 To 60 Miles Radius, Add	*203.11*	
		For >60 To 100 Miles Radius, Add	*324.98*	
01 71 13 00-0009	EA	75 Ton Lift Move On/Off Cost, Mechanical Crane Note: Includes delivery and pickup.	641.63	
		For >30 To 60 Miles Radius, Add	*160.41*	
		For >60 To 100 Miles Radius, Add	*256.65*	
01 71 13 00-0010	EA	100 Ton Lift Move On/Off Cost, Mechanical Crane Note: Includes delivery and pickup.	1,041.60	
		For >30 To 60 Miles Radius, Add	*260.40*	
		For >60 To 100 Miles Radius, Add	*416.64*	
01 71 13 00-0011	EA	125 Ton Lift Move On/Off Cost, Mechanical Crane Note: Includes delivery and pickup.	1,291.58	
		For >30 To 60 Miles Radius, Add	*322.90*	
		For >60 To 100 Miles Radius, Add	*516.63*	
01 71 13 00-0012	EA	150 Ton Lift Move On/Off Cost, Mechanical Crane Note: Includes delivery and pickup.	1,604.06	
		For >30 To 60 Miles Radius, Add	*401.02*	
		For >60 To 100 Miles Radius, Add	*641.62*	
01 71 13 00-0013	EA	250 Ton Lift Move On/Off Cost, Mechanical Crane Note: Includes delivery and pickup.	2,916.48	
		For >30 To 60 Miles Radius, Add	*729.12*	
		For >60 To 100 Miles Radius, Add	*1,166.59*	
01 71 13 00-0014	EA	300 Ton Lift Move On/Off Cost, Mechanical Crane Note: Includes delivery and pickup.	4,166.40	
		For >30 To 60 Miles Radius, Add	*1,041.60*	
		For >60 To 100 Miles Radius, Add	*1,666.56*	
01 71 13 00-0015	EA	500 Ton Lift Move On/Off Cost, Mechanical Crane Note: Includes delivery and pickup.	6,249.60	
		For >30 To 60 Miles Radius, Add	*1,562.40*	
		For >60 To 100 Miles Radius, Add	*2,499.84*	

01 71 23 Field Engineering *(01 71)*

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

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

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

01 71 23 16-0002	ACR	Survey Clear Area With Few To No Obstacles	739.07
01 71 23 16-0003	ACR	Survey Clear Area With Medium Height Vegetation, Few Trees (<5% Buildings)	2,101.47
01 71 23 16-0004	ACR	Survey Clear Area With Few Structures, And/Or Wooded (5-25% Buildings)	3,014.50
01 71 23 16-0005	ACR	Survey Developed Areas With Several Structures (25-65% Buildings)	4,559.14
01 71 23 16-0006	ACR	Survey Highly Developed Areas, Sidewalks, Etcetera (>65% Buildings)	5,717.77

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

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

01 71 23 16-0008	LF	Survey Property Lines On Cleared Land	1.73
01 71 23 16-0009	LF	Survey Property Lines On Slightly Wooded Land	2.00
01 71 23 16-0010	LF	Survey Property Lines On Wooded Land	2.35

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

01 71 23 16-0012	EA	3' Precast Survey Monument	116.29	
		For Owner Furnished Monument, Deduct	*-48.83*	
01 71 23 16-0013	EA	Precast Survey Monument Box With Cast Iron Frame And Cover	162.33	
01 71 23 16-0014	EA	Riser Ring For Survey Monument	82.25	
01 71 23 16-0015	EA	Adjust Survey Monument Cover To Grade	48.83	

01 71 23 16-0016 Facade Surveying *(01 71 23 16)*

01 71 23 16-0017	LF	Facade Survey And Reports (LF Of Facade x Number Of Floors)	4.73

01 71 23 16-0018 Utility Survey *(01 71 23 16)*

Note: This survey is only for the location of underground utilities.

01 71 23 16-0019	ACR	Survey Clear Area For Underground Utilities	3,935.74

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

01 71 36 00-0001 X-Ray And Electromagnetic Survey *(01 71 36)*

Note: To locate reinforcing bars, conduits, pipes, etc., prior to core drilling or cutting existing concrete, masonry or asphalt. Electromagnetic survey includes Subsurface Interface Radar (SIR) and/or Ground Penetrating Radar (GPR). Includes printed reports.

01 71 36 00-0002 X-Ray Or Electromagnetic Survey Minimum Set-Up Charge *(01 71 36 00-0001)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 36 00-0003	EA	X-Ray Or Electromagnetic Survey Minimum Set-Up Charge Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	631.89	
01 71 36 00-0004		X-Ray Survey *(01 71 36 00-0001)*		
01 71 36 00-0005	EA	X-Ray Survey Up To 2 SF Of Concrete, Masonry Or Asphalt	138.02	
		For >8 To 25, Deduct	*-31.25*	
01 71 36 00-0006		Electromagnetic (SIR/GPR) Survey *(01 71 36 00-0001)*		
01 71 36 00-0007	EA	Electromagnetic (SIR/GPR) Survey Up To 4 SF Of Concrete, Masonry Or Asphalt	276.05	
01 71 36 00-0008	EA	Electromagnetic (SIR/GPR) Survey >4 To 500 SF Of Concrete, Masonry Or Asphalt	552.10	
01 71 36 00-0009	SF	Electromagnetic (SIR/GPR) Survey >500 SF Of Concrete, Masonry Or Asphalt	1.10	

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

01 74 13 Progress Cleaning *(01 74)*

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

01 74 13 00-0001		General *(01 74 13)*		
01 74 13 00-0002	CSF	Clean Miscellaneous Surfaces, Wipe Down With Mild Detergent	17.09	
01 74 13 00-0003	CY	Collect Existing Debris And Load Into Truck Or Dumpster Note: Per CY of debris removed.	20.02	

01 74 16 Site Maintenance *(01 74)*

01 74 16 00-0001		Parking Lot, Roads And Pathway Maintenance *(01 74 16)* Note: These tasks shall be used for maintenance of existing roads and walks only as requested by the owner. Do not use these tasks in conjunction with related installation/demolition tasks in the Construction Task Catalog®.		
01 74 16 00-0002		Parking Lot, Road, And Street Sweeping *(01 74 16 00-0001)*		
01 74 16 00-0003	MSF	Sweep Parking Lot, With Street Sweeper	14.74	
01 74 16 00-0004	MSF	Sweeper/Vacuum/Sprayer For Parking Lots, Streets And Roads	17.69	
01 74 16 00-0005	MSF	Sweep Runway, With Street Sweep	22.12	

01 74 19 Construction Waste Management And Disposal *(01 74)*

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

01 74 19 00-0001		Debris Chutes *(01 74 19)* Note: Includes hopper sections and entry sections. Used as required for buildings of all heights.		
01 74 19 00-0002		Steel Temporary Debris Chutes *(01 74 19 00-0001)*		
01 74 19 00-0003	LF	18" Diameter, Steel Temporary Debris Chute	23.71	
01 74 19 00-0004	LF	30" Diameter, Steel Temporary Debris Chute	35.52	
01 74 19 00-0005		Plastic Temporary Debris Chutes *(01 74 19 00-0001)*		
01 74 19 00-0006	LF	24" Diameter, Plastic Temporary Debris Chute	9.38	
		For Steel Liner, Add	*1.80*	
01 74 19 00-0007	LF	30" Diameter, Plastic Temporary Debris Chute	10.73	
		For Steel Liner, Add	*2.06*	
01 74 19 00-0008	LF	36" Diameter, Plastic Temporary Debris Chute	12.10	
		For Steel Liner, Add	*2.32*	
01 74 19 00-0009		Wood Temporary Debris Chutes *(01 74 19 00-0001)*		
01 74 19 00-0010	LF	4' x 4', Wood Temporary Debris Chute Note: Includes fabrication and installation.	17.95	
01 74 19 00-0011		Construction Dumpsters Rental *(01 74 19)* Note: Includes delivery and pick-up of dumpster, hauling of debris, rental of dumpster and all applicable non-hazardous disposal fees. Cost of "each" is based on each pick-up. Unacceptable materials include: aerosol cans, all liquids, animals, antifreeze, appliances, asbestos, barrels, batteries, chemical products, computers, contaminated oils (mixed with solvents, gasoline, etc.), dirt, fluorescent tubes, hazardous waste, herbicides & pesticides, industrial waste, lubricating/hydraulic oil, mattresses, medical waste, microwaves, monitors, motor oil, oil filters, other flammable liquids, paint (except completely dried latex paint cans, no liquids), petroleum-contaminated soil/lead paint chips, propane tanks, radioactive material, railroad ties, solvents, televisions, tires, and transmission oil.		
01 74 19 00-0012	EA	6 CY Dumpster (1 Ton) "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	278.83	
		For Each Ton Over Indicated Amount, Add	*42.00*	
01 74 19 00-0013	EA	10 CY Dumpster (1.5 Ton) "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	310.69	
		For Each Ton Over Indicated Amount, Add	*42.00*	
01 74 19 00-0014	EA	15 CY Dumpster (2 Ton) "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	309.21	
		For Each Ton Over Indicated Amount, Add	*42.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 74 19 00-0015	EA	20 CY Dumpster (3 Ton) "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	419.60	
		For Each Ton Over Indicated Amount, Add	*42.00*	
01 74 19 00-0016	EA	30 CY Dumpster (4 Ton) "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	477.99	
		For Each Ton Over Indicated Amount, Add	*42.00*	
01 74 19 00-0017	EA	40 CY Dumpster (5 Ton) "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	578.41	
		For Each Ton Over Indicated Amount, Add	*42.00*	
01 74 19 00-0018	EA	10 CY Low-Boy Dumpster "Concrete Or Asphalt Only" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Concrete or asphalt only.	578.41	
01 74 19 00-0019	EA	15 CY Low-Boy Dumpster Clean Recyclable Note: For clean dirt, rock, concrete brick or asphalt with no trash or organics. Includes service to deliver and pick-up dumpster, hauling, rental and disposal fee.	664.35	
01 74 19 00-0020	EA	15 CY Low-Boy Dumpster Mixed Recyclable Note: For mixed dirt, rock, concrete brick or asphalt with no trash or organics. Includes service to deliver and pick-up dumpster, hauling, rental and disposal fee.	713.92	
01 74 19 00-0021		**Concrete Washout Service** *(01 74 19)*		
01 74 19 00-0022	MO	Rampless Concrete Washout Bin Note: Includes delivery.	361.10	
01 74 19 00-0023	MO	Ramped Concrete Washout Bin Note: Includes delivery.	433.32	
01 74 19 00-0024	EA	Interim Vacuum Service, Concrete Washout Bin Note: Includes vacuum and recycle excess clear liquid from the unfilled bin to allow additional space for washout material.	309.84	
01 74 19 00-0025	EA	Vacuum, Pickup, Swap And Dump, Concrete Washout Bin Note: Includes vacuum the liquid from the full bin and pick up the bin, and recycle all material. An empty bin will be left at the site if the project is not completed.	671.32	
01 74 19 00-0026		**Debris Processing Fee** *(01 74 19)*		
01 74 19 00-0027		**Recycler Fees** *(01 74 19 00-0026)* Note: Does not apply with use of dumpsters. Excludes hauling.		
01 74 19 00-0028	TRK	Drop-Off Mixed Materials At Recycling Center, Concrete And Asphalt, Clean (Semi-Truck Load)	209.89	
01 74 19 00-0029	TRK	Drop-Off Mixed Materials At Recycling Center, Concrete And Asphalt, With Metal And Rebar	216.56	
01 74 19 00-0030		**Landfill Dump Fees** *(01 74 19 00-0026)* Note: Does not apply when material is transferred to owner's site or facility, or with use of dumpsters. Excludes hauling. See CSI section 01 74 19 00-0038 for hauling.		
01 74 19 00-0031	CY	Traditional Building Construction Materials Landfill Dump Fee	9.64	
01 74 19 00-0032	CY	Trees, Stumps And Brush, Landfill Dump Fee	11.60	
01 74 19 00-0033	CY	Rubbish Landfill Dump Fee	9.46	
01 74 19 00-0034	CY	Hazardous Materials And Rubbish (Paint Cans, Etcetera) Landfill Dump Fee	27.66	
01 74 19 00-0035	CY	Excavated Dirt Landfill Dump Fee	9.28	
01 74 19 00-0036	CY	Asphalt, Concrete, Gravel And Subgrade Material, Landfill Dump Fee	19.66	
01 74 19 00-0037	TON	Traditional Building Construction Materials, Landfill Dump Fee	42.00	
01 74 19 00-0038		**Hauling** *(01 74 19)* Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one way mileage) times the number of cubic yards being transported. For example, to haul 8 CY to a site 14 miles away, the quantity is calculated as follows: 14 miles x 8 CY = 112 CYM. Use both hauling tasks for distances greater than 15 miles. To haul 28 CY to a site 32 miles away, the quantity for the task to haul the first 15 miles is calculated: 15 miles x 28 CY = 420 CYM. The quantity for the additional hauling task over the first 15 miles is calculated: 32 total miles less 15 initial miles equals 17 miles x 28 CY = 476 CYM.		
01 74 19 00-0039	CYM	Hauling On Paved Roads, First 15 Miles	0.89	
01 74 19 00-0040	CYM	Hauling On Paved Roads, Miles Over Initial 15 Miles	0.67	
01 74 19 00-0041	CYM	Hauling On Unimproved Roads, First 15 Miles	1.22	
01 74 19 00-0042	CYM	Hauling On Unimproved Roads, Miles Over Initial 15 Miles	1.00	
01 74 23		**Final Cleaning** *(01 74)*		
01 74 23 00-0001		**Glass** *(01 74 23)*		
01 74 23 00-0002	CSF	Clean Existing Glass Surfaces	22.37	

END OF SECTION 01

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

02 Existing Conditions

02 20 Assessment *(02)*

02 25 Existing Material Assessment *(02 20)*

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

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

02 30 Subsurface Investigation *(02)*

02 32 Geotechnical Investigations *(02 30)*

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

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

02 32 13 00-0001 Auger Borings *(02 32 13)*

02 32 13 00-0002	LF	Standard Auger Hole With Split Spoon Sample At 5' Intervals	22.28

02 32 13 00-0003 Cased Borings In Earth, With Samples *(02 32 13)*

Note: All types of soils.

02 32 13 00-0004	LF	2-1/2" Diameter Cased Borings In Earth, With Samples	32.05
02 32 13 00-0005	LF	4" Diameter Cased Borings In Earth, With Samples	35.13

02 32 13 00-0006 Drilling In Rock, AW Core (1.25") *(02 32 13)*

02 32 13 00-0007	LF	Drill In Rock, AW Core Note: Includes sampling.	66.20
02 32 13 00-0008	EA	Drill In Rock, With AW Core Boxes	5.63

02 32 13 00-0009 Drilling In Rock, BW Core (2.125") *(02 32 13)*

02 32 13 00-0010	LF	Drill In Rock, BW Core Note: Includes sampling.	71.18
02 32 13 00-0011	LF	Drill In Rock, BW Core, With Casing Note: Includes sampling.	76.90
02 32 13 00-0012	EA	Drill In Rock, With BW Core Boxes	5.63

02 32 13 00-0013 Drilling In Rock, NW Core (2.98") *(02 32 13)*

02 32 13 00-0014	LF	Drill In Rock, NW Core Note: Includes sampling.	79.05
02 32 13 00-0015	LF	Drill In Rock, NW Core, With Casing Note: Includes sampling.	85.73
02 32 13 00-0016	EA	Drill In Rock, With NW Core Boxes	6.48

02 32 13 00-0017 Test Pits For Boring Activities *(02 32 13)*

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

02 32 13 00-0018 Backhoe Dug Test Pits *(02 32 13 00-0017)*

02 32 13 00-0019	CY	Excavation For Test Pit, Light Material, Backhoe Excavation	48.33
02 32 13 00-0020	CY	Excavation For Test Pits, Medium Material, Backhoe Excavation	56.39
02 32 13 00-0021	CY	Excavation For Test Pit, Heavy Material, Backhoe Excavation	75.19

02 32 13 00-0022 Hand-Dug Test Pits *(02 32 13 00-0017)*

02 32 13 00-0023	CY	Excavation For Test Pit, Light Soil, Hand Excavation	151.79
02 32 13 00-0024	CY	Excavation For Test Pit, Heavy Soil, Hand Excavation	273.22

02 32 13 00-0025 Shelby Tube Sampling *(02 32 13)*

02 32 13 00-0026	EA	Shelby Tube Sampling	27.06
02 32 13 00-0027	EA	Penetration Test	22.05

02 40 Demolition And Structure Moving *(02)*

02 41 Demolition *(02 40)*

02 41 13 Selective Site Demolition *(02 41)*

02 41 13 13 Paving Removal *(02 41 13)*

Note: Includes break-up of material, loading into truck or dumpster and clean-up. Salvage tasks include placement on pallets and storage on site.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0001		**By Machine, Break-up And Leave In Place Bituminous And Concrete Paving** *(02 41 13 13)* Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting. See CSI section 02 41 13 13-0018 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0001 for saw cutting.		
02 41 13 13-0002	SY	Up To 3" By Machine, Break-up And Leave In Place Bituminous Paving	4.96	
		For >500 To 1,000, Deduct	*-0.50*	
		For >1,000 To 2,500, Deduct	*-0.89*	
		For >2,500 To 5,000, Deduct	*-1.29*	
		For >5,000 To 10,000, Deduct	*-1.69*	
		For >10,000, Deduct	*-2.08*	
02 41 13 13-0003	SY	>3" To 6" By Machine, Break-up And Leave In Place Bituminous Paving	7.44	
		For >500 To 1,000, Deduct	*-0.74*	
		For >1,000 To 2,500, Deduct	*-1.34*	
		For >2,500 To 5,000, Deduct	*-1.93*	
		For >5,000 To 10,000, Deduct	*-2.53*	
		For >10,000, Deduct	*-3.12*	
02 41 13 13-0004	SY	>6" To 8" By Machine, Break-up And Leave In Place Bituminous Paving	9.93	
		For >500 To 1,000, Deduct	*-0.99*	
		For >1,000 To 2,500, Deduct	*-1.79*	
		For >2,500 To 5,000, Deduct	*-2.58*	
		For >5,000 To 10,000, Deduct	*-3.38*	
		For >10,000, Deduct	*-4.17*	
02 41 13 13-0005	SY	Up To 3" By Machine, Break-up And Leave In Place Concrete Paving	8.96	
		For >500 To 1,000, Deduct	*-0.90*	
		For >1,000 To 2,500, Deduct	*-1.61*	
		For >2,500 To 5,000, Deduct	*-2.33*	
		For >5,000 To 10,000, Deduct	*-3.05*	
		For >10,000, Deduct	*-3.76*	
02 41 13 13-0006	SY	>3" To 6" By Machine, Break-up And Leave In Place Concrete Paving	12.66	
		For >500 To 1,000, Deduct	*-1.27*	
		For >1,000 To 2,500, Deduct	*-2.28*	
		For >2,500 To 5,000, Deduct	*-3.29*	
		For >5,000 To 10,000, Deduct	*-4.30*	
		For >10,000, Deduct	*-5.32*	
02 41 13 13-0007	SY	>6" To 9" By Machine, Break-up And Leave In Place Concrete Paving	17.93	
		For >500 To 1,000, Deduct	*-1.79*	
		For >1,000 To 2,500, Deduct	*-3.23*	
		For >2,500 To 5,000, Deduct	*-4.66*	
		For >5,000 To 10,000, Deduct	*-6.10*	
		For >10,000, Deduct	*-7.53*	
02 41 13 13-0008	SY	>9" To 14" By Machine, Break-up And Leave In Place Concrete Paving	25.31	
		For >500 To 1,000, Deduct	*-2.53*	
		For >1,000 To 2,500, Deduct	*-4.56*	
		For >2,500 To 5,000, Deduct	*-6.58*	
		For >5,000 To 10,000, Deduct	*-8.61*	
		For >10,000, Deduct	*-10.63*	
02 41 13 13-0009	SY	>14" To 19" By Machine, Break-up And Leave In Place Concrete Paving	33.10	
		For >500 To 1,000, Deduct	*-3.31*	
		For >1,000 To 2,500, Deduct	*-5.96*	
		For >2,500 To 5,000, Deduct	*-8.61*	
		For >5,000 To 10,000, Deduct	*-11.25*	
		For >10,000, Deduct	*-13.90*	
02 41 13 13-0010	SY	>19" To 24" By Machine, Break-up And Leave In Place Concrete Paving	43.03	
		For >500 To 1,000, Deduct	*-4.30*	
		For >1,000 To 2,500, Deduct	*-7.75*	
		For >2,500 To 5,000, Deduct	*-11.19*	
		For >5,000 To 10,000, Deduct	*-14.63*	
		For >10,000, Deduct	*-18.07*	
02 41 13 13-0011		**By Hand, Break-up And Leave In Place Bituminous And Concrete Paving** *(02 41 13 13)* Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles with jackhammer and hand tools. For individual work areas up to 100 SF where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting. See CSI section 02 41 13 13-0018 for breaking-up, removal and loading as a combined operation, 02 41 13 13-0032 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0001 for saw cutting.		
02 41 13 13-0012	SF	Up To 3" By Hand, Break-up And Leave In Place Bituminous Paving	1.29	
02 41 13 13-0013	SF	>3" To 6" By Hand, Break-up And Leave In Place Bituminous Paving	1.64	
02 41 13 13-0014	SF	>6" To 8" By Hand, Break-up And Leave In Place Bituminous Paving	2.17	
02 41 13 13-0015	SF	Up To 3" By Hand, Break-up And Leave In Place Concrete Paving	1.62	
02 41 13 13-0016	SF	>3" To 6" By Hand, Break-up And Leave In Place Concrete Paving	2.06	
02 41 13 13-0017	SF	Break-Up >6" To 8" Concrete Paving By Hand With Material Left In Place After Break-up	2.72	
02 41 13 13-0018		**By Machine, Break-up And Remove Bituminous And Concrete Paving** *(02 41 13 13)* Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles, breaking into manageable sizes by machine and loading into truck, dumpster or moving material to stockpile. Excludes saw cutting. See CSI section 02 41 19 13-0001 for saw cutting.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0019	SY	Up To 3" By Machine, Break-up And Remove Bituminous Paving		10.01
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add Note: (Around Existing Structures And Obstructions), Add		*3.00*
		For Elevated Slab, Add		*5.01*
		For >500 To 1,000, Deduct		*-1.00*
		For >1,000 To 2,500, Deduct		*-1.80*
		For >2,500 To 5,000, Deduct		*-2.60*
		For >5,000 To 10,000, Deduct		*-3.40*
		For >10,000, Deduct		*-4.20*
02 41 13 13-0020	SY	>3" To 6" By Machine, Break-up And Remove Bituminous Paving		13.67
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add Note: (Around Existing Structures And Obstructions), Add		*4.10*
		For Elevated Slab, Add		*6.84*
		For >500 To 1,000, Deduct		*-1.37*
		For >1,000 To 2,500, Deduct		*-2.46*
		For >2,500 To 5,000, Deduct		*-3.55*
		For >5,000 To 10,000, Deduct		*-4.65*
		For >10,000, Deduct		*-5.74*
02 41 13 13-0021	SY	Up To 3" By Machine, Break-up And Remove Non Reinforced Concrete Paving		11.51
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add Note: (Around Existing Structures And Obstructions), Add		*3.45*
		For Elevated Slab, Add		*5.76*
		For >500 To 1,000, Deduct		*-1.15*
		For >1,000 To 2,500, Deduct		*-2.07*
		For >2,500 To 5,000, Deduct		*-2.99*
		For >5,000 To 10,000, Deduct		*-3.91*
		For >10,000, Deduct		*-4.83*
02 41 13 13-0022	SY	>3" To 6" By Machine, Break-up And Remove Non Reinforced Concrete Paving		15.07
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add Note: (Around Existing Structures And Obstructions), Add		*4.52*
		For Elevated Slab, Add		*7.54*
		For >500 To 1,000, Deduct		*-1.51*
		For >1,000 To 2,500, Deduct		*-2.71*
		For >2,500 To 5,000, Deduct		*-3.92*
		For >5,000 To 10,000, Deduct		*-5.12*
		For >10,000, Deduct		*-6.33*
02 41 13 13-0023	SY	Up To 3" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving		15.28
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add Note: (Around Existing Structures And Obstructions), Add		*4.58*
		For Elevated Slab, Add		*7.64*
		For >500 To 1,000, Deduct		*-1.53*
		For >1,000 To 2,500, Deduct		*-2.75*
		For >2,500 To 5,000, Deduct		*-3.97*
		For >5,000 To 10,000, Deduct		*-5.20*
		For >10,000, Deduct		*-6.42*
02 41 13 13-0024	SY	>3" To 6" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving		19.80
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add Note: (Around Existing Structures And Obstructions), Add		*5.94*
		For Elevated Slab, Add		*9.90*
		For >500 To 1,000, Deduct		*-1.98*
		For >1,000 To 2,500, Deduct		*-3.56*
		For >2,500 To 5,000, Deduct		*-5.15*
		For >5,000 To 10,000, Deduct		*-6.73*
		For >10,000, Deduct		*-8.32*
02 41 13 13-0025	SY	>6" To 9" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving		32.81
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add Note: (Around Existing Structures And Obstructions), Add		*9.84*
		For Elevated Slab, Add		*16.41*
		For >500 To 1,000, Deduct		*-3.28*
		For >1,000 To 2,500, Deduct		*-5.91*
		For >2,500 To 5,000, Deduct		*-8.53*
		For >5,000 To 10,000, Deduct		*-11.16*
		For >10,000, Deduct		*-13.78*
02 41 13 13-0026	SY	Up To 3" By Machine, Break-up And Remove Rod Reinforced Concrete Paving		16.57
		For Elevated Slab, Add		*8.29*
		For >500 To 1,000, Deduct		*-1.66*
		For >1,000 To 2,500, Deduct		*-2.98*
		For >2,500 To 5,000, Deduct		*-4.31*
		For >5,000 To 10,000, Deduct		*-5.63*
		For >10,000, Deduct		*-6.96*
02 41 13 13-0027	SY	>3" To 6" By Machine, Break-up And Remove Rod Reinforced Concrete Paving		21.30
		For Elevated Slab, Add		*10.65*
		For >500 To 1,000, Deduct		*-2.13*
		For >1,000 To 2,500, Deduct		*-3.83*
		For >2,500 To 5,000, Deduct		*-5.54*
		For >5,000 To 10,000, Deduct		*-7.24*
		For >10,000, Deduct		*-8.95*
02 41 13 13-0028	SY	>6" To 9" By Machine, Break-up And Remove Rod Reinforced Concrete Paving		38.08
		For Elevated Slab, Add		*19.04*
		For >500 To 1,000, Deduct		*-3.81*
		For >1,000 To 2,500, Deduct		*-6.85*
		For >2,500 To 5,000, Deduct		*-9.90*
		For >5,000 To 10,000, Deduct		*-12.95*
		For >10,000, Deduct		*-15.99*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0029	SY	>9" To 14" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	49.70	
		For Elevated Slab, Add	*24.85*	
		For >500 To 1,000, Deduct	*-4.97*	
		For >1,000 To 2,500, Deduct	*-8.95*	
		For >2,500 To 5,000, Deduct	*-12.92*	
		For >5,000 To 10,000, Deduct	*-16.90*	
		For >10,000, Deduct	*-20.87*	
02 41 13 13-0030	SY	>14" To 19" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	64.98	
		For Elevated Slab, Add	*32.49*	
		For >500 To 1,000, Deduct	*-6.50*	
		For >1,000 To 2,500, Deduct	*-11.70*	
		For >2,500 To 5,000, Deduct	*-16.89*	
		For >5,000 To 10,000, Deduct	*-22.09*	
		For >10,000, Deduct	*-27.29*	
02 41 13 13-0031	SY	>19" To 24" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	78.85	
		For Elevated Slab, Add	*39.43*	
		For >500 To 1,000, Deduct	*-7.89*	
		For >1,000 To 2,500, Deduct	*-14.19*	
		For >2,500 To 5,000, Deduct	*-20.50*	
		For >5,000 To 10,000, Deduct	*-26.81*	
		For >10,000, Deduct	*-33.12*	

02 41 13 13-0032 By Hand, Break-up And Remove Bituminous And Concrete Paving *(02 41 13 13)*

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. Work includes breaking into manageable size with jackhammer and hand tools, removal and loading onto a truck or dumpster. For individual work areas up to 100 SF where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. Excludes saw cutting. See CSI section 02 41 19 13-0001 for saw cutting.

02 41 13 13-0033	SF	Up To 3" By Hand, Break-up And Remove Bituminous Paving	2.90
02 41 13 13-0034	SF	>3" To 6" By Hand, Break-up And Remove Bituminous Paving	3.80
02 41 13 13-0035	SF	>6" To 8" By Hand, Break-up And Remove Bituminous Paving	4.95
02 41 13 13-0036	SF	Up To 3" By Hand, Break-up And Remove Concrete Paving	3.62
02 41 13 13-0037	SF	>3" To 6" By Hand, Break-up And Remove Concrete Paving	4.99
02 41 13 13-0038	SF	>6" To 8" By Hand, Break-up And Remove Concrete Paving	6.39

02 41 13 13-0039 Grind Concrete *(02 41 13 13)*

02 41 13 13-0040	EA	Grind Existing Sidewalks Up To 1/2" Depth To Remove Ridges (Tripping Hazard) Note: For each location up to 5' wide, feather up to 12" each direction.	122.64
		For >1/2" To 1" Depth Of Grinding, Add	*18.40*
		For >1" To 1-1/2" Depth Of Grinding, Add	*30.66*
		For Up To 5, Add	*24.53*
		For >5 To 10, Add	*12.26*
		For >25 To 50, Deduct	*-12.26*
		For >50 To 250, Deduct	*-18.40*
		For >250, Deduct	*-24.53*
		For Sidewalks >5', Add	*12.26*
		For Up To 12" Additional Feathering Per Side, Add	*12.26*

02 41 16 Structure Demolition *(02 41)*

02 41 16 13 Building Demolition *(02 41 16)*

02 41 16 13-0001 Building Interior Demolition *(02 41 16 13)*

Note: Gutted and placed in truck or dumpsters. Based on overall floor area including space under demolished walls. Includes all soft stripping of materials (doors and frames, non-load bearing walls, carpet, moldings, drywall, tile, ceiling, ductwork, piping, light fixtures, etc.), accessible mechanical, electrical, plumbing, overhead sprinkler, fire protection and similar systems. Excludes lead, asbestos or other contaminates or load bearing walls, mechanical, plumbing or electrical equipment such as furnaces, water heaters, plumbing fixtures, sump pumps, switchgear or panelboards. Excludes hauling, dump fees, recycling charges, and/or salvage value.

02 41 16 13-0002	GSF	Residential Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck	5.94
02 41 16 13-0003	GSF	Up To 2,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck	8.97
02 41 16 13-0004	GSF	>2,000 To 10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck	7.34
02 41 16 13-0005	GSF	>10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck	6.53

02 41 16 13-0006 Commercial And Residential Structures Demolition *(02 41 16 13)*

Note: Complete demolition of structures. Includes site and building safety preparation, signage, dust control, scattered debris and other site clean-up, demolition equipment, and repair of any damaged adjacent property. Excludes (if required) utility disconnects and capping, underground or above ground storage tank removal, adjacent property protection, cleanup and work, site paving and concrete, recycling fees, gutting/soft stripping (selective removal of materials for reuse) of building, site security, hazardous material abatement (including lead, asbestos, and PCBs), surveys, clearing and grubbing of site, cranes, traffic control, elevator removal, major mechanical equipment such as boilers, chillers, cooling towers, Etc., excavation or backfill, foundations, basement floor, slab-on grade, temporary fencing (installation and removal), hauling, disposal and dump fees for all debris (site and building), earthwork and erosion control. Pricing is by Hundred Cubic Foot (CCF) of complete building volume being demolished. For computing building volume, height is computed at actual floor-to-floor dimensions with attic and basement each computed at half-height, width and length are actual dimensions. Excludes salvage value.

02 41 16 13-0007 Steel Framed Building Demolition *(02 41 16 13-0006)*

Note: Includes masonry partitions and concrete decks.

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0008	CCF	By Pneumatic Tools/Hand, Steel Framed Building Demolition		53.43
		For Floor-To-Floor Heights >12' To 15', Deduct		*-4.01*
		For Floor-To-Floor Heights >15' To 18', Deduct		*-8.01*
		For Floor-To-Floor Heights >18' To 21', Deduct		*-12.02*
		For Up To 500, Add		*16.03*
		For >500 To 1,000, Add		*10.69*
		For >1,000 To 2,000, Add		*5.34*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*17.63*
		For No Interior Partitions, Deduct		*-13.36*
02 41 16 13-0009	CCF	By Machine, Steel Framed Building Demolition		32.32
		For Floor-To-Floor Heights >12' To 15', Deduct		*-2.42*
		For Floor-To-Floor Heights >15' To 18', Deduct		*-4.85*
		For Floor-To-Floor Heights >18' To 21', Deduct		*-7.27*
		For Up To 500, Add		*9.70*
		For >500 To 1,000, Add		*6.46*
		For >1,000 To 2,000, Add		*3.23*
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add		*4.85*
		For Work >6 Stories To 10 Stories (Exclude Volume Below), Add		*8.08*
		For Work >10 Stories To 15 Stories (Exclude Volume Below), Add		*11.31*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*10.67*
		For No Interior Partitions, Deduct		*-8.08*

02 41 16 13-0010 Reinforced Concrete Building Demolition *(02 41 16 13-0006)*

02 41 16 13-0011	CCF	By Pneumatic Tools/Hand, Reinforced Concrete Building Demolition		67.05
		For Floor-To-Floor Heights >12' To 15', Deduct		*-5.03*
		For Floor-To-Floor Heights >15' To 18', Deduct		*-10.06*
		For Floor-To-Floor Heights >18' To 21', Deduct		*-15.09*
		For Up To 500, Add		*20.12*
		For >500 To 1,000, Add		*13.41*
		For >1,000 To 2,000, Add		*6.71*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*22.13*
		For No Interior Partitions, Deduct		*-16.76*
02 41 16 13-0012	CCF	By Machine, Reinforced Concrete Building Demolition		42.68
		For Floor-To-Floor Heights >12' To 15', Deduct		*-3.20*
		For Floor-To-Floor Heights >15' To 18', Deduct		*-6.40*
		For Floor-To-Floor Heights >18' To 21', Deduct		*-9.60*
		For Up To 500, Add		*12.80*
		For >500 To 1,000, Add		*8.54*
		For >1,000 To 2,000, Add		*4.27*
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add		*6.40*
		For Work >6 Stories To 10 Stories (Exclude Volume Below), Add		*10.67*
		For Work >10 Stories To 15 Stories (Exclude Volume Below), Add		*14.94*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*14.08*
		For No Interior Partitions, Deduct		*-10.67*

02 41 16 13-0013 Masonry Construction Building Demolition *(02 41 16 13-0006)*

02 41 16 13-0014	CCF	By Pneumatic Tools/Hand, Masonry Construction Building Demolition		47.12
		For Floor-To-Floor Heights >12' To 15', Deduct		*-3.53*
		For Floor-To-Floor Heights >15' To 18', Deduct		*-7.07*
		For Floor-To-Floor Heights >18' To 21', Deduct		*-10.60*
		For Up To 500, Add		*14.14*
		For >500 To 1,000, Add		*9.42*
		For >1,000 To 2,000, Add		*4.71*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*15.55*
		For No Interior Partitions, Deduct		*-11.78*
02 41 16 13-0015	CCF	By Machine, Masonry Construction Building Demolition		29.00
		For Floor-To-Floor Heights >12' To 15', Deduct		*-2.18*
		For Floor-To-Floor Heights >15' To 18', Deduct		*-4.35*
		For Floor-To-Floor Heights >18' To 21', Deduct		*-6.53*
		For Up To 500, Add		*8.70*
		For >500 To 1,000, Add		*5.80*
		For >1,000 To 2,000, Add		*2.90*
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add		*4.35*
		For Work >6 Stories To 10 Stories (Exclude Volume Below), Add		*7.25*
		For Work >10 Stories To 15 Stories (Exclude Volume Below), Add		*10.15*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*9.57*
		For No Interior Partitions, Deduct		*-7.25*

02 41 16 13-0016 Wood Frame Construction Building Demolition *(02 41 16 13-0006)*

02 41 16 13-0017	CCF	By Pneumatic Tools/Hand, Wood Frame Construction Building Demolition		40.95
		For Floor-To-Floor Heights >12' To 15', Deduct		*-3.07*
		For Floor-To-Floor Heights >15' To 18', Deduct		*-6.14*
		For Floor-To-Floor Heights >18' To 21', Deduct		*-9.21*
		For Up To 500, Add		*12.29*
		For >500 To 1,000, Add		*8.19*
		For >1,000 To 2,000, Add		*4.10*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*13.51*
		For No Interior Partitions, Deduct		*-10.24*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0018	CCF	By Machine, Wood Frame Construction Building Demolition	24.82	
		For Floor-To-Floor Heights >12' To 15', Deduct	*-1.86*	
		For Floor-To-Floor Heights >15' To 18', Deduct	*-3.72*	
		For Floor-To-Floor Heights >18' To 21', Deduct	*-5.58*	
		For Up To 500, Add	*7.45*	
		For >500 To 1,000, Add	*4.96*	
		For >1,000 To 2,000, Add	*2.48*	
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	*3.72*	
		For Volume Of Area Within 15' To An Adjacent Building, Add	*8.19*	
		For No Interior Partitions, Deduct	*-6.21*	

02 41 16 13-0019 Sorting Of Material Debris For Recycling Prior To Hauling Off *(02 41 16 13-0006)*

Note: Per building volume.

02 41 16 13-0020	CCF	Sorting Of Material Debris For Recycling Prior To Hauling Off	7.50	
		For Up To 500, Add	*2.25*	
		For >500 To 1,000, Add	*1.50*	
		For >1,000 To 2,000, Add	*0.75*	

02 41 16 13-0021 Foundation Demolition *(02 41 16 13)*

Note: Excludes earthwork. See CSI section 31 00 00 00-0000 for earthwork.

02 41 16 13-0022 Concrete Foundation Demolition *(02 41 16 13-0021)*

02 41 16 13-0023	CF	Non Reinforced Concrete Foundation Demolition	13.12	
02 41 16 13-0024	SF	4" Thick Non Reinforced Concrete Foundation Wall Demolition	4.69	
02 41 16 13-0025	SF	6" Thick Non Reinforced Concrete Foundation Wall Demolition	6.25	
02 41 16 13-0026	SF	8" Thick Non Reinforced Concrete Foundation Wall Demolition	7.82	
02 41 16 13-0027	SF	10" Thick Non Reinforced Concrete Foundation Wall Demolition	9.38	
02 41 16 13-0028	SF	12" Thick Non Reinforced Concrete Foundation Wall Demolition	10.94	
02 41 16 13-0029	SF	16" Thick Non Reinforced Concrete Foundation Wall Demolition	12.50	
02 41 16 13-0030	CF	Reinforced Concrete Foundation Demolition	14.99	
02 41 16 13-0031	SF	4" Thick Reinforced Concrete Foundation Wall Demolition	5.63	
02 41 16 13-0032	SF	6" Thick Reinforced Concrete Foundation Wall Demolition	7.50	
02 41 16 13-0033	SF	8" Thick Reinforced Concrete Foundation Wall Demolition	9.38	
02 41 16 13-0034	SF	10" Thick Reinforced Concrete Foundation Wall Demolition	11.10	
02 41 16 13-0035	SF	12" Thick Reinforced Concrete Foundation Wall Demolition	13.13	
02 41 16 13-0036	SF	16" Thick Reinforced Concrete Foundation Wall Demolition	15.01	

02 41 16 13-0037 Concrete Block Foundation Wall Demolition *(02 41 16 13-0021)*

02 41 16 13-0038	SF	4" Thick Non Reinforced Concrete Block Foundation Wall Demolition	3.44	
02 41 16 13-0039	SF	6" Thick Non Reinforced Concrete Block Foundation Wall Demolition	3.67	
02 41 16 13-0040	SF	8" Thick Non Reinforced Concrete Block Foundation Wall Demolition	4.14	
02 41 16 13-0041	SF	10" Thick Non Reinforced Concrete Block Foundation Wall Demolition	4.77	
02 41 16 13-0042	SF	12" Thick Non Reinforced Concrete Block Foundation Wall Demolition	5.31	
02 41 16 13-0043	SF	16" Thick Non Reinforced Concrete Block Foundation Wall Demolition	6.65	
02 41 16 13-0044	SF	4" Thick Reinforced Concrete Block Foundation Wall Demolition	4.13	
02 41 16 13-0045	SF	6" Thick Reinforced Concrete Block Foundation Wall Demolition	4.40	
02 41 16 13-0046	SF	8" Thick Reinforced Concrete Block Foundation Wall Demolition	4.97	
02 41 16 13-0047	SF	10" Thick Reinforced Concrete Block Foundation Wall Demolition	5.72	
02 41 16 13-0048	SF	12" Thick Reinforced Concrete Block Foundation Wall Demolition	6.38	
02 41 16 13-0049	SF	16" Thick Reinforced Concrete Block Foundation Wall Demolition	7.98	

02 41 16 13-0050 Brick Foundation Wall Demolition *(02 41 16 13-0021)*

02 41 16 13-0051	SF	4" Thick Brick Foundation Wall Demolition	3.44	
02 41 16 13-0052	SF	6" Thick Brick Foundation Wall Demolition	3.67	
02 41 16 13-0053	SF	8" Thick Brick Foundation Wall Demolition	4.14	
02 41 16 13-0054	SF	10" Thick Brick Foundation Wall Demolition	4.77	
02 41 16 13-0055	SF	12" Thick Brick Foundation Wall Demolition	5.31	
02 41 16 13-0056	SF	16" Thick Brick Foundation Wall Demolition	6.65	

02 41 16 13-0057 Stone Foundation Demolition *(02 41 16 13-0021)*

02 41 16 13-0058	CF	Stone Footing Or Foundation Wall Demolition	10.94	

02 41 16 13-0059 Other Foundation Demolition *(02 41 16 13-0021)*

02 41 16 13-0060	CF	Concrete Footing For Fence, Gate Or Playground Equipment Post, Etc. Demolition Note: Includes excavation.	11.15	

02 41 19 Selective Demolition *(02 41)*

02 41 19 13 Selective Building Demolition *(02 41 19)*

02 41 19 13-0001 Saw Cutting *(02 41 19 13)*

Note: Includes blade wear, water, taping off area, layout, clean-up and mist spray with wet vacuuming for dust control where necessary. For projects where the total saw cutting charge is less than the minimum charge, use task "Saw Cut Minimum Charge" exclusively. Task "Saw Cut Minimum Charge" should not be used in conjunction with any other tasks in this section.

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0002	LF	Saw Cut Bituminous Paving Up To 4" Depth	1.73	
		For Each Additional Pass (Depth To 3"), Add	*0.65*	
		For >250, Deduct	*-0.16*	
02 41 19 13-0003	LF	Saw Cut Brick Masonry Up To 4" Depth	6.10	
		For Each Additional Pass (Depth To 3"), Add	*2.39*	
		For >250, Deduct	*-0.59*	
02 41 19 13-0004	LF	Saw Cut Concrete Block Up To 4" Depth	5.55	
		For Each Additional Pass (Depth To 3"), Add	*2.16*	
		For >250, Deduct	*-0.54*	
02 41 19 13-0005	LF	Saw Cut Concrete Slab Or Paving Up To 4" Depth	2.02	
		For Each Additional Pass (Depth To 3"), Add	*0.75*	
		For >250, Deduct	*-0.18*	
02 41 19 13-0006	LF	Saw Cut Welded Wire Reinforced Concrete Slab Up To 4" Depth	2.63	
		For Each Additional Pass (Depth To 3"), Add	*0.98*	
		For >250, Deduct	*-0.24*	
02 41 19 13-0007	LF	Saw Cut Rod Reinforced Concrete Slab Up To 4" Depth	4.22	
		For Each Additional Pass (Depth To 3"), Add	*1.61*	
		For >250, Deduct	*-0.40*	
02 41 19 13-0008	LF	Saw Cut Plain Concrete Walls Up To 4" Depth	7.78	
		For Each Additional Pass (Depth To 3"), Add	*3.05*	
		For >250, Deduct	*-0.76*	
02 41 19 13-0009	LF	Saw Cut Rod Reinforced Concrete Walls Up To 4" Depth	10.44	
		For Each Additional Pass (Depth To 3"), Add	*4.10*	
		For >250, Deduct	*-1.02*	
02 41 19 13-0010	LF	Saw Cut In Streets, Concrete And Asphalt Up To 4" Depth	1.94	
		For Each Additional Pass (Depth To 3"), Add	*0.71*	
		For >250, Deduct	*-0.17*	
02 41 19 13-0011	LF	Saw Cut Igneous Stone Pavements Up To 4" Depth	5.58	
		For Each Additional Pass (Depth To 3"), Add	*2.17*	
		For >250, Deduct	*-0.54*	
02 41 19 13-0012	LF	Saw Cut Sedimentary Stone Pavements Up To 4" Depth	5.58	
		For Each Additional Pass (Depth To 3"), Add	*2.17*	
		For >250, Deduct	*-0.54*	
02 41 19 13-0013	LF	Saw Cut Metamorphic Stone Pavements Up To 4" Depth	5.58	
		For Each Additional Pass (Depth To 3"), Add	*2.17*	
		For >250, Deduct	*-0.54*	
02 41 19 13-0014	LF	Saw Cut Terrazzo Stone Pavements Up To 4" Depth	5.58	
		For Each Additional Pass (Depth To 3"), Add	*2.17*	
		For >250, Deduct	*-0.54*	
02 41 19 13-0015	EA	Saw Cut Minimum Charge	682.85	
		Note: For projects where the total saw cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		

02 41 19 13-0016 Torch Cutting *(02 41 19 13)*

Note: Includes grinding edge

02 41 19 13-0017	LF	Up To 1/2", Torch Cut Steel Plate	2.30	
02 41 19 13-0018	LF	>1/2" To 1" Thick, Torch Cut Steel Plate	4.58	
02 41 19 13-0019	LF	>1" To 1-1/2" Thick, Torch Cut Steel Plate	6.88	
02 41 19 13-0020	LF	>1-1/2" To 2" Thick, Torch Cut Steel Plate	9.18	
02 41 19 13-0021	LF	>2" To 2-1/2" Thick, Torch Cut Steel Plate	11.47	
02 41 19 13-0022	LF	>2-1/2" To 3" Thick, Torch Cut Steel Plate	13.76	

02 41 19 13-0023 Drilling *(02 41 19 13)*

Note: Includes drill bit wear, water, layout, set-up and clean-up.

02 41 19 13-0024 Concrete Core Drilling *(02 41 19 13-0023)*

02 41 19 13-0025 Up To 4" Thick Concrete Core Drilling *(02 41 19 13-0024)*

02 41 19 13-0026	EA	Drill 2" Diameter Core In Up To 4" Concrete	38.49	
		For Horizontal Cores, Add	*7.06*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*14.12*	
02 41 19 13-0027	EA	Drill 3" Diameter Core In Up To 4" Concrete	54.70	
		For Horizontal Cores, Add	*10.09*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*20.18*	
02 41 19 13-0028	EA	Drill 4" Diameter Core In Up To 4" Concrete	73.33	
		For Horizontal Cores, Add	*13.52*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*27.03*	
02 41 19 13-0029	EA	Drill 6" Diameter Core In Up To 4" Concrete	82.89	
		For Horizontal Cores, Add	*15.13*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*30.26*	
02 41 19 13-0030	EA	Drill 8" Diameter Core In Up To 4" Concrete	130.97	
		For Horizontal Cores, Add	*24.21*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*48.42*	
02 41 19 13-0031	EA	Drill 10" Diameter Core In Up To 4" Concrete	164.83	
		For Horizontal Cores, Add	*30.26*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*60.52*	
02 41 19 13-0032	EA	Drill 12" Diameter Core In Up To 4" Concrete	192.74	
		For Horizontal Cores, Add	*35.31*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*70.61*	
02 41 19 13-0033	EA	Drill 14" Diameter Core In Up To 4" Concrete	221.02	
		For Horizontal Cores, Add	*40.34*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*80.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0034	EA	Drill 18" Diameter Core In Up To 4" Concrete	251.72	
		For Horizontal Cores, Add	*45.39*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*90.77*	

02 41 19 13-0035 >4" To 6" Thick Concrete Core Drilling *(02 41 19 13-0024)*

02 41 19 13-0036	EA	Drill 2" Diameter Core In >4" To 6" Concrete	55.29	
		For Horizontal Cores, Add	*10.09*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*20.17*	
02 41 19 13-0037	EA	Drill 3" Diameter Core In >4" To 6" Concrete	67.19	
		For Horizontal Cores, Add	*12.10*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*24.21*	
02 41 19 13-0038	EA	Drill 4" Diameter Core In >4" To 6" Concrete	84.48	
		For Horizontal Cores, Add	*15.13*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*30.26*	
02 41 19 13-0039	EA	Drill 6" Diameter Core In >4" To 6" Concrete	111.86	
		For Horizontal Cores, Add	*20.17*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*40.35*	
02 41 19 13-0040	EA	Drill 8" Diameter Core In >4" To 6" Concrete	166.31	
		For Horizontal Cores, Add	*30.26*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*60.52*	
02 41 19 13-0041	EA	Drill 10" Diameter Core In >4" To 6" Concrete	196.76	
		For Horizontal Cores, Add	*35.31*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*70.61*	
02 41 19 13-0042	EA	Drill 12" Diameter Core In >4" To 6" Concrete	225.97	
		For Horizontal Cores, Add	*40.34*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*80.69*	
02 41 19 13-0043	EA	Drill 14" Diameter Core In >4" To 6" Concrete	256.41	
		For Horizontal Cores, Add	*45.39*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*90.77*	
02 41 19 13-0044	EA	Drill 18" Diameter Core In >4" To 6" Concrete	290.35	
		For Horizontal Cores, Add	*50.43*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*100.86*	

02 41 19 13-0045 >6" To 8" Thick Concrete Core Drilling *(02 41 19 13-0024)*

02 41 19 13-0046	EA	Drill 2" Diameter Core In >6" To 8" Concrete	62.09	
		For Horizontal Cores, Add	*11.10*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*22.19*	
02 41 19 13-0047	EA	Drill 3" Diameter Core In >6" To 8" Concrete	74.66	
		For Horizontal Cores, Add	*13.11*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*26.23*	
02 41 19 13-0048	EA	Drill 4" Diameter Core In >6" To 8" Concrete	97.64	
		For Horizontal Cores, Add	*17.15*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*34.29*	
02 41 19 13-0049	EA	Drill 6" Diameter Core In >6" To 8" Concrete	135.79	
		For Horizontal Cores, Add	*24.21*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*48.42*	
02 41 19 13-0050	EA	Drill 8" Diameter Core In >6" To 8" Concrete	221.82	
		For Horizontal Cores, Add	*40.34*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*80.69*	
02 41 19 13-0051	EA	Drill 10" Diameter Core In >6" To 8" Concrete	253.86	
		For Horizontal Cores, Add	*45.39*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*90.77*	
02 41 19 13-0052	EA	Drill 12" Diameter Core In >6" To 8" Concrete	284.45	
		For Horizontal Cores, Add	*50.43*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*100.86*	
02 41 19 13-0053	EA	Drill 14" Diameter Core In >6" To 8" Concrete	316.99	
		For Horizontal Cores, Add	*55.47*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*110.93*	
02 41 19 13-0054	EA	Drill 18" Diameter Core In >6" To 8" Concrete	354.20	
		For Horizontal Cores, Add	*60.52*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*121.04*	

02 41 19 13-0055 >8" To 10" Thick Concrete Core Drilling *(02 41 19 13-0024)*

02 41 19 13-0056	EA	Drill 2" Diameter Core In >8" To 10" Concrete	73.91	
		For Horizontal Cores, Add	*13.11*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*26.22*	
02 41 19 13-0057	EA	Drill 3" Diameter Core In >8" To 10" Concrete	87.15	
		For Horizontal Cores, Add	*15.13*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*30.26*	
02 41 19 13-0058	EA	Drill 4" Diameter Core In >8" To 10" Concrete	100.72	
		For Horizontal Cores, Add	*17.15*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*34.29*	
02 41 19 13-0059	EA	Drill 6" Diameter Core In >8" To 10" Concrete	139.54	
		For Horizontal Cores, Add	*24.21*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*48.42*	
02 41 19 13-0060	EA	Drill 8" Diameter Core In >8" To 10" Concrete	226.91	
		For Horizontal Cores, Add	*40.34*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*80.69*	
02 41 19 13-0061	EA	Drill 10" Diameter Core In >8" To 10" Concrete	260.56	
		For Horizontal Cores, Add	*45.39*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*90.77*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0062	EA	Drill 12" Diameter Core In >8" To 10" Concrete	292.44	
		For Horizontal Cores, Add	*50.42*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*100.84*	
02 41 19 13-0063	EA	Drill 14" Diameter Core In >8" To 10" Concrete	327.18	
		For Horizontal Cores, Add	*55.47*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*110.93*	
02 41 19 13-0064	EA	Drill 18" Diameter Core In >8" To 10" Concrete	367.52	
		For Horizontal Cores, Add	*60.51*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*121.01*	
02 41 19 13-0065		>10" To 12" Thick Concrete Core Drilling *(02 41 19 13-0024)*		
02 41 19 13-0066	EA	Drill 2" Diameter Core In >10" To 12" Concrete	80.70	
		For Horizontal Cores, Add	*14.12*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*28.24*	
02 41 19 13-0067	EA	Drill 3" Diameter Core In >10" To 12" Concrete	89.56	
		For Horizontal Cores, Add	*15.13*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*30.26*	
02 41 19 13-0068	EA	Drill 4" Diameter Core In >10" To 12" Concrete	118.95	
		For Horizontal Cores, Add	*20.17*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*40.35*	
02 41 19 13-0069	EA	Drill 6" Diameter Core In >10" To 12" Concrete	153.38	
		For Horizontal Cores, Add	*26.23*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*52.46*	
02 41 19 13-0070	EA	Drill 8" Diameter Core In >10" To 12" Concrete	242.10	
		For Horizontal Cores, Add	*42.36*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*84.73*	
02 41 19 13-0071	EA	Drill 10" Diameter Core In >10" To 12" Concrete	267.26	
		For Horizontal Cores, Add	*45.39*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*90.77*	
02 41 19 13-0072	EA	Drill 12" Diameter Core In >10" To 12" Concrete	310.64	
		For Horizontal Cores, Add	*52.45*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*104.91*	
02 41 19 13-0073		>12" Thick Concrete Core Drilling *(02 41 19 13-0024)*		
02 41 19 13-0074	IN	Drill 2" Diameter Core In >12" Concrete	9.48	
		For Horizontal Cores, Add	*1.73*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*3.46*	
02 41 19 13-0075	IN	Drill 3" Diameter Core In >12" Concrete	10.62	
		For Horizontal Cores, Add	*1.89*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*3.78*	
02 41 19 13-0076	IN	Drill 4" Diameter Core In >12" Concrete	14.11	
		For Horizontal Cores, Add	*2.52*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*5.04*	
02 41 19 13-0077	IN	Drill 6" Diameter Core In >12" Concrete	18.25	
		For Horizontal Cores, Add	*3.28*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*6.56*	
02 41 19 13-0078	IN	Drill 8" Diameter Core In >12" Concrete	29.02	
		For Horizontal Cores, Add	*5.30*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*10.60*	
02 41 19 13-0079	IN	Drill 10" Diameter Core In >12" Concrete	31.85	
		For Horizontal Cores, Add	*5.70*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*11.40*	
02 41 19 13-0080	IN	Drill 12" Diameter Core In >12" Concrete	36.83	
		For Horizontal Cores, Add	*6.56*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*13.12*	
02 41 19 13-0081		Brick/Concrete Block Core Drilling *(02 41 19 13-0023)*		
02 41 19 13-0082		Up To 4" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0081)*		
02 41 19 13-0083	EA	Drill 2" Diameter Core In Up To 4" Brick/Concrete Block	31.43	
		For Horizontal Cores, Add	*5.65*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*11.30*	
02 41 19 13-0084	EA	Drill 3" Diameter Core In Up To 4" Brick/Concrete Block	44.61	
		For Horizontal Cores, Add	*8.07*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*16.14*	
02 41 19 13-0085	EA	Drill 4" Diameter Core In Up To 4" Brick/Concrete Block	59.81	
		For Horizontal Cores, Add	*10.81*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*21.62*	
02 41 19 13-0086	EA	Drill 6" Diameter Core In Up To 4" Brick/Concrete Block	67.76	
		For Horizontal Cores, Add	*12.10*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*24.21*	
02 41 19 13-0087	EA	Drill 8" Diameter Core In Up To 4" Brick/Concrete Block	106.76	
		For Horizontal Cores, Add	*19.37*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*38.74*	
02 41 19 13-0088	EA	Drill 10" Diameter Core In Up To 4" Brick/Concrete Block	134.57	
		For Horizontal Cores, Add	*24.21*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*48.42*	
02 41 19 13-0089	EA	Drill 12" Diameter Core In Up To 4" Brick/Concrete Block	157.43	
		For Horizontal Cores, Add	*28.24*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*56.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0090	EA	Drill 14" Diameter Core In Up To 4" Brick/Concrete Block	180.67	
		For Horizontal Cores, Add	*32.27*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*64.55*	
02 41 19 13-0091	EA	Drill 18" Diameter Core In Up To 4" Brick/Concrete Block	206.33	
		For Horizontal Cores, Add	*36.31*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*72.62*	

02 41 19 13-0092 >4" To 6" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0081)*

02 41 19 13-0093	EA	Drill 2" Diameter Core In >4" To 6" Brick/Concrete Block	45.19	
		For Horizontal Cores, Add	*8.07*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*16.13*	
02 41 19 13-0094	EA	Drill 3" Diameter Core In >4" To 6" Brick/Concrete Block	55.09	
		For Horizontal Cores, Add	*9.68*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*19.37*	
02 41 19 13-0095	EA	Drill 4" Diameter Core In >4" To 6" Brick/Concrete Block	69.35	
		For Horizontal Cores, Add	*12.10*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*24.21*	
02 41 19 13-0096	EA	Drill 6" Diameter Core In >4" To 6" Brick/Concrete Block	91.68	
		For Horizontal Cores, Add	*16.14*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*32.28*	
02 41 19 13-0097	EA	Drill 8" Diameter Core In >4" To 6" Brick/Concrete Block	136.05	
		For Horizontal Cores, Add	*24.21*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*48.42*	
02 41 19 13-0098	EA	Drill 10" Diameter Core In >4" To 6" Brick/Concrete Block	161.45	
		For Horizontal Cores, Add	*28.24*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*56.49*	
02 41 19 13-0099	EA	Drill 12" Diameter Core In >4" To 6" Brick/Concrete Block	185.62	
		For Horizontal Cores, Add	*32.27*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*64.55*	
02 41 19 13-0100	EA	Drill 14" Diameter Core In >4" To 6" Brick/Concrete Block	211.02	
		For Horizontal Cores, Add	*36.31*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*72.62*	
02 41 19 13-0101	EA	Drill 18" Diameter Core In >4" To 6" Brick/Concrete Block	239.92	
		For Horizontal Cores, Add	*40.35*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*80.69*	

02 41 19 13-0102 >6" To 8" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0081)*

02 41 19 13-0103	EA	Drill 2" Diameter Core In >6" To 8" Brick/Concrete Block	50.99	
		For Horizontal Cores, Add	*8.88*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*17.75*	
02 41 19 13-0104	EA	Drill 3" Diameter Core In >6" To 8" Brick/Concrete Block	61.55	
		For Horizontal Cores, Add	*10.49*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*20.98*	
02 41 19 13-0105	EA	Drill 4" Diameter Core In >6" To 8" Brick/Concrete Block	80.50	
		For Horizontal Cores, Add	*13.72*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*27.44*	
02 41 19 13-0106	EA	Drill 6" Diameter Core In >6" To 8" Brick/Concrete Block	111.58	
		For Horizontal Cores, Add	*19.37*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*38.74*	
02 41 19 13-0107	EA	Drill 8" Diameter Core In >6" To 8" Brick/Concrete Block	181.47	
		For Horizontal Cores, Add	*32.27*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*64.55*	
02 41 19 13-0108	EA	Drill 10" Diameter Core In >6" To 8" Brick/Concrete Block	208.47	
		For Horizontal Cores, Add	*36.31*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*72.62*	
02 41 19 13-0109	EA	Drill 12" Diameter Core In >6" To 8" Brick/Concrete Block	234.02	
		For Horizontal Cores, Add	*40.35*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*80.69*	
02 41 19 13-0110	EA	Drill 14" Diameter Core In >6" To 8" Brick/Concrete Block	261.53	
		For Horizontal Cores, Add	*44.37*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*88.75*	
02 41 19 13-0111	EA	Drill 18" Diameter Core In >6" To 8" Brick/Concrete Block	293.68	
		For Horizontal Cores, Add	*48.42*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*96.84*	

02 41 19 13-0112 >8" To 10" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0081)*

02 41 19 13-0113	EA	Drill 2" Diameter Core In >8" To 10" Brick/Concrete Block	60.80	
		For Horizontal Cores, Add	*10.49*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*20.98*	
02 41 19 13-0114	EA	Drill 3" Diameter Core In >8" To 10" Brick/Concrete Block	72.02	
		For Horizontal Cores, Add	*12.10*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*24.21*	
02 41 19 13-0115	EA	Drill 4" Diameter Core In >8" To 10" Brick/Concrete Block	83.58	
		For Horizontal Cores, Add	*13.72*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*27.44*	
02 41 19 13-0116	EA	Drill 6" Diameter Core In >8" To 10" Brick/Concrete Block	115.33	
		For Horizontal Cores, Add	*19.37*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*38.74*	
02 41 19 13-0117	EA	Drill 8" Diameter Core In >8" To 10" Brick/Concrete Block	186.56	
		For Horizontal Cores, Add	*32.27*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*64.55*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0118	EA	Drill 10" Diameter Core In >8" To 10" Brick/Concrete Block	215.17	
		For Horizontal Cores, Add	*36.31*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*72.62*	
02 41 19 13-0119	EA	Drill 12" Diameter Core In >8" To 10" Brick/Concrete Block	242.02	
		For Horizontal Cores, Add	*40.34*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*80.68*	
02 41 19 13-0120	EA	Drill 14" Diameter Core In >8" To 10" Brick/Concrete Block	271.72	
		For Horizontal Cores, Add	*44.37*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*88.75*	
02 41 19 13-0121	EA	Drill 18" Diameter Core In >8" To 10" Brick/Concrete Block	307.02	
		For Horizontal Cores, Add	*48.41*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*96.81*	

02 41 19 13-0122 >10" To 12" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0081)*

02 41 19 13-0123	EA	Drill 2" Diameter Core In >10" To 12" Brick/Concrete Block	66.58	
		For Horizontal Cores, Add	*11.30*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*22.60*	
02 41 19 13-0124	EA	Drill 3" Diameter Core In >10" To 12" Brick/Concrete Block	74.43	
		For Horizontal Cores, Add	*12.10*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*24.21*	
02 41 19 13-0125	EA	Drill 4" Diameter Core In >10" To 12" Brick/Concrete Block	98.77	
		For Horizontal Cores, Add	*16.14*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*32.28*	
02 41 19 13-0126	EA	Drill 6" Diameter Core In >10" To 12" Brick/Concrete Block	127.15	
		For Horizontal Cores, Add	*20.98*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*41.96*	
02 41 19 13-0127	EA	Drill 8" Diameter Core In >10" To 12" Brick/Concrete Block	199.74	
		For Horizontal Cores, Add	*33.89*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*67.78*	
02 41 19 13-0128	EA	Drill 10" Diameter Core In >10" To 12" Brick/Concrete Block	221.87	
		For Horizontal Cores, Add	*36.31*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*72.62*	
02 41 19 13-0129	EA	Drill 12" Diameter Core In >10" To 12" Brick/Concrete Block	258.19	
		For Horizontal Cores, Add	*41.96*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*83.93*	

02 41 19 13-0130 >12" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0081)*

02 41 19 13-0131	IN	Drill 2" Diameter Core In >12" Brick/Concrete Block	7.75	
		For Horizontal Cores, Add	*1.38*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*2.76*	
02 41 19 13-0132	IN	Drill 3" Diameter Core In >12" Brick/Concrete Block	8.72	
		For Horizontal Cores, Add	*1.51*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*3.02*	
02 41 19 13-0133	IN	Drill 4" Diameter Core In >12" Brick/Concrete Block	11.59	
		For Horizontal Cores, Add	*2.02*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*4.03*	
02 41 19 13-0134	IN	Drill 6" Diameter Core In >12" Brick/Concrete Block	14.98	
		For Horizontal Cores, Add	*2.63*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*5.25*	
02 41 19 13-0135	IN	Drill 8" Diameter Core In >12" Brick/Concrete Block	23.72	
		For Horizontal Cores, Add	*4.24*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*8.48*	
02 41 19 13-0136	IN	Drill 10" Diameter Core In >12" Brick/Concrete Block	26.15	
		For Horizontal Cores, Add	*4.56*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*9.12*	
02 41 19 13-0137	IN	Drill 12" Diameter Core In >12" Brick/Concrete Block	30.27	
		For Horizontal Cores, Add	*5.25*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*10.50*	

02 41 19 13-0138 Asphalt Core Drilling *(02 41 19 13-0023)*

02 41 19 13-0139 Up To 2" Thick Asphalt Core Drilling *(02 41 19 13-0138)*

02 41 19 13-0140	EA	Drill 1" Diameter Core In Up To 2" Asphalt	14.41
02 41 19 13-0141	EA	Drill 1-1/2" Diameter Core In Up To 2" Asphalt	18.06
02 41 19 13-0142	EA	Drill 2" Diameter Core In Up To 2" Asphalt	22.59
02 41 19 13-0143	EA	Drill 3" Diameter Core In Up To 2" Asphalt	28.10
02 41 19 13-0144	EA	Drill 4" Diameter Core In Up To 2" Asphalt	35.41
02 41 19 13-0145	EA	Drill 6" Diameter Core In Up To 2" Asphalt	44.51
02 41 19 13-0146	EA	Drill 8" Diameter Core In Up To 2" Asphalt	55.67
02 41 19 13-0147	EA	Drill 10" Diameter Core In Up To 2" Asphalt	69.08
02 41 19 13-0148	EA	Drill 12" Diameter Core In Up To 2" Asphalt	86.17

02 41 19 13-0149 >2" To 3" Thick Asphalt Core Drilling *(02 41 19 13-0138)*

02 41 19 13-0150	EA	Drill 1" Diameter Core In >2" To 3" Asphalt	18.00
02 41 19 13-0151	EA	Drill 1-1/2" Diameter Core In >2" To 3" Asphalt	23.39
02 41 19 13-0152	EA	Drill 2" Diameter Core In >2" To 3" Asphalt	28.76
02 41 19 13-0153	EA	Drill 3" Diameter Core In >2" To 3" Asphalt	36.07
02 41 19 13-0154	EA	Drill 4" Diameter Core In >2" To 3" Asphalt	45.17
02 41 19 13-0155	EA	Drill 6" Diameter Core In >2" To 3" Asphalt	56.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0156	EA	Drill 8" Diameter Core In >2" To 3" Asphalt	70.81	
02 41 19 13-0157	EA	Drill 10" Diameter Core In >2" To 3" Asphalt	88.64	
02 41 19 13-0158	EA	Drill 12" Diameter Core In >2" To 3" Asphalt	110.18	
02 41 19 13-0159		**>3" To 4" Thick Asphalt Core Drilling** *(02 41 19 13-0138)*		
02 41 19 13-0160	EA	Drill 1" Diameter Core In >3" To 4" Asphalt	23.46	
02 41 19 13-0161	EA	Drill 1-1/2" Diameter Core In >3" To 4" Asphalt	29.83	
02 41 19 13-0162	EA	Drill 2" Diameter Core In >3" To 4" Asphalt	37.00	
02 41 19 13-0163	EA	Drill 3" Diameter Core In >3" To 4" Asphalt	46.17	
02 41 19 13-0164	EA	Drill 4" Diameter Core In >3" To 4" Asphalt	58.13	
02 41 19 13-0165	EA	Drill 6" Diameter Core In >3" To 4" Asphalt	72.68	
02 41 19 13-0166	EA	Drill 8" Diameter Core In >3" To 4" Asphalt	91.28	
02 41 19 13-0167	EA	Drill 10" Diameter Core In >3" To 4" Asphalt	113.64	
02 41 19 13-0168	EA	Drill 12 Diameter Core In >3" To 4" Asphalt	141.54	
02 41 19 13-0169		**>4" To 6" Thick Asphalt Core Drilling** *(02 41 19 13-0138)*		
02 41 19 13-0170	EA	Drill 1" Diameter Core In >4" To 6" Asphalt	30.88	
02 41 19 13-0171	EA	Drill 1-1/2" Diameter Core In >4" To 6" Asphalt	38.27	
02 41 19 13-0172	EA	Drill 2" Diameter Core In >4" To 6" Asphalt	47.30	
02 41 19 13-0173	EA	Drill 3" Diameter Core In >4" To 6" Asphalt	60.32	
02 41 19 13-0174	EA	Drill 4" Diameter Core In >4" To 6" Asphalt	75.20	
02 41 19 13-0175	EA	Drill 6" Diameter Core In >4" To 6" Asphalt	93.54	
02 41 19 13-0176	EA	Drill 8" Diameter Core In >4" To 6" Asphalt	117.99	
02 41 19 13-0177	EA	Drill 10" Diameter Core In >4" To 6" Asphalt	146.76	
02 41 19 13-0178	EA	Drill 12" Diameter Core In >4" To 6" Asphalt	183.05	
02 41 19 13-0179		**Manhole Core Drilling** *(02 41 19 13-0023)*		
02 41 19 13-0180	EA	Drill 4" Diameter Core In 6" Brick Manhole	157.26	
02 41 19 13-0181	EA	Drill 5" Diameter Core In 6" Brick Manhole	179.62	
02 41 19 13-0182	EA	Drill 6" Diameter Core In 6" Brick Manhole	209.09	
02 41 19 13-0183	EA	Drill 8" Diameter Core In 6" Brick Manhole	312.66	
02 41 19 13-0184	EA	Drill 2" Diameter Core In 8" Concrete Manhole	209.47	
02 41 19 13-0185	EA	Drill 3" Diameter Core In 8" Concrete Manhole	224.90	
02 41 19 13-0186	EA	Drill 4" Diameter Core In 8" Concrete Manhole	249.30	
02 41 19 13-0187	EA	Drill 5" Diameter Core In 8" Concrete Manhole	267.98	
02 41 19 13-0188	EA	Drill 6" Diameter Core In 8" Concrete Manhole	316.87	
02 41 19 13-0189	EA	Drill 8" Diameter Core In 8" Concrete Manhole	451.72	
02 41 19 13-0190	EA	Drill 2" Diameter Core In Fiberglass Manhole	20.29	
02 41 19 13-0191	EA	Drill 3" Diameter Core In Fiberglass Manhole	23.47	
02 41 19 13-0192	EA	Drill 4" Diameter Core In Fiberglass Manhole	25.46	
02 41 19 13-0193	EA	Drill 5" Diameter Core In Fiberglass Manhole	27.79	
02 41 19 13-0194	EA	Drill 6" Diameter Core In Fiberglass Manhole	30.57	
02 41 19 13-0195	EA	Drill 8" Diameter Core In Fiberglass Manhole	34.00	
02 41 19 13-0196		**Drilling In Concrete Per Inch Of Depth** *(02 41 19 13-0023)* Note: Includes layout.		
02 41 19 13-0197	IN	1/4" Diameter Drilling In Concrete Per Inch Of Depth	1.80	
02 41 19 13-0198	IN	3/8" Diameter Drilling In Concrete Per Inch Of Depth	1.89	
02 41 19 13-0199	IN	1/2" Diameter Drilling In Concrete Per Inch Of Depth	2.02	
02 41 19 13-0200	IN	5/8" Diameter Drilling In Concrete Per Inch Of Depth	2.16	
02 41 19 13-0201	IN	3/4" Diameter Drilling In Concrete Per Inch Of Depth	2.37	
02 41 19 13-0202	IN	7/8" Diameter Drilling In Concrete Per Inch Of Depth	2.57	
02 41 19 13-0203	IN	1" Diameter Drilling In Concrete Per Inch Of Depth	2.70	
02 41 19 13-0204	IN	1-1/4" Diameter Drilling In Concrete Per Inch Of Depth	2.98	
02 41 19 13-0205	IN	1-1/2" Diameter Drilling In Concrete Per Inch Of Depth	3.37	
02 41 19 13-0206		**Drilling In Brick/Concrete Block Per Inch Of Depth** *(02 41 19 13-0023)* Note: Includes layout.		
02 41 19 13-0207	IN	1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.51	
02 41 19 13-0208	IN	3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.58	
02 41 19 13-0209	IN	1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.70	
02 41 19 13-0210	IN	5/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.81	
02 41 19 13-0211	IN	3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.98	
02 41 19 13-0212	IN	7/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.16	
02 41 19 13-0213	IN	1" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.27	
02 41 19 13-0214	IN	1-1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.50	
02 41 19 13-0215	IN	1-1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.83	
02 41 19 13-0216		**Drilling In Wood Or Plastic Per Inch Of Depth** *(02 41 19 13-0023)* Note: Includes layout.		
02 41 19 13-0217	IN	1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	0.74	
02 41 19 13-0218	IN	3/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	0.78	
02 41 19 13-0219	IN	1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	0.83	
02 41 19 13-0220	IN	5/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	0.88	
02 41 19 13-0221	IN	3/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	0.97	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0222	IN	7/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.05	
02 41 19 13-0223	IN	1" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.11	
02 41 19 13-0224	IN	1-1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.22	
02 41 19 13-0225	IN	1-1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.38	
02 41 19 13-0226		Limestone Core Drilling *(02 41 19 13-0023)*		
02 41 19 13-0227		10" To 14" Thick Limestone Core Drilling *(02 41 19 13-0226)*		
02 41 19 13-0228	EA	Drill 1" Diameter Core In 10" To 14" Limestone	47.32	
02 41 19 13-0229	EA	Drill 1-1/2" Diameter Core In 10" To 14" Limestone	57.22	
02 41 19 13-0230	EA	Drill 2" Diameter Core In 10" To 14" Limestone	62.78	
02 41 19 13-0231	EA	Drill 3" Diameter Core In 10" To 14" Limestone	73.94	
02 41 19 13-0232	EA	Drill 4" Diameter Core In 10" To 14" Limestone	85.36	
02 41 19 13-0233	EA	Drill 6" Diameter Core In 10" To 14" Limestone	118.38	
02 41 19 13-0234	EA	Drill 8" Diameter Core In 10" To 14" Limestone	192.80	
02 41 19 13-0235		15" To 18" Thick Limestone Core Drilling *(02 41 19 13-0226)*		
02 41 19 13-0236	EA	Drill 1" Diameter Core In 15" To 18" Limestone	52.50	
02 41 19 13-0237	EA	Drill 1-1/2" Diameter Core In 15" To 18" Limestone	62.65	
02 41 19 13-0238	EA	Drill 2" Diameter Core In 15" To 18" Limestone	68.49	
02 41 19 13-0239	EA	Drill 3" Diameter Core In 15" To 18" Limestone	75.87	
02 41 19 13-0240	EA	Drill 4" Diameter Core In 15" To 18" Limestone	100.78	
02 41 19 13-0241	EA	Drill 6" Diameter Core In 15" To 18" Limestone	130.01	
02 41 19 13-0242	EA	Drill 8" Diameter Core In 15" To 18" Limestone	205.58	
02 41 19 13-0243		19" To 24" Thick Limestone Core Drilling *(02 41 19 13-0226)*		
02 41 19 13-0244	EA	Drill 1" Diameter Core In 19" To 24" Limestone	57.57	
02 41 19 13-0245	EA	Drill 1-1/2" Diameter Core In 19" To 24" Limestone	67.95	
02 41 19 13-0246	EA	Drill 2" Diameter Core In 19" To 24" Limestone	74.02	
02 41 19 13-0247	EA	Drill 3" Diameter Core In 19" To 24" Limestone	86.16	
02 41 19 13-0248	EA	Drill 4" Diameter Core In 19" To 24" Limestone	120.22	
02 41 19 13-0249	EA	Drill 6" Diameter Core In 19" To 24" Limestone	149.95	
02 41 19 13-0250	EA	Drill 8" Diameter Core In 19" To 24" Limestone	222.29	
02 41 19 13-0251		Minimum Charge For Core Drilling *(02 41 19 13-0023)*		
02 41 19 13-0252	EA	Core Drill Minimum Charge Note: For projects where the total core drilling charge is less than the minimum charge, use task "Minimum Charge For Core Drilling" exclusively. Task "Minimum Charge For Core Drilling" should not be used in conjunction with any other tasks in this section. Does not apply to sections "Drilling In Concrete Per Inch Of Depth" or "Drilling In Brick Or Block Per Inch Of Depth".	553.08	
02 41 19 13-0253		Cutouts *(02 41 19 13)* Note: Includes saw cutting and removal of material. Not to be used for openings greater than 24 SF.		
02 41 19 13-0254		Reinforced Concrete Slab On Grade Cutouts *(02 41 19 13-0253)*		
02 41 19 13-0255	SF	4" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	38.54	
02 41 19 13-0256	SF	6" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	40.87	
02 41 19 13-0257	SF	8" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	43.21	
02 41 19 13-0258	SF	10" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	45.55	
02 41 19 13-0259	SF	12" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	46.71	
02 41 19 13-0260		Reinforced Concrete Elevated Slab Cutouts *(02 41 19 13-0253)* Note: Includes cutting and removing steel decking.		
02 41 19 13-0261	SF	4" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	46.97	
02 41 19 13-0262	SF	6" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	49.82	
02 41 19 13-0263	SF	8" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	52.66	
02 41 19 13-0264	SF	10" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	55.52	
02 41 19 13-0265	SF	12" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	56.93	
02 41 19 13-0266		Reinforced Concrete Wall Cutouts *(02 41 19 13-0253)*		
02 41 19 13-0267	SF	4" Thick Reinforced Concrete Wall Cutouts, <24 SF	48.17	
02 41 19 13-0268	SF	6" Thick Reinforced Concrete Wall Cutouts, <24 SF	51.10	
02 41 19 13-0269	SF	8" Thick Reinforced Concrete Wall Cutouts, <24 SF	54.01	
02 41 19 13-0270	SF	10" Thick Reinforced Concrete Wall Cutouts, <24 SF	56.93	
02 41 19 13-0271	SF	12" Thick Reinforced Concrete Wall Cutouts, <24 SF	58.40	
02 41 19 13-0272		Brick Wall Cutouts *(02 41 19 13-0253)* Note: Excludes toothing.		
02 41 19 13-0273	SF	4" Thick Brick Wall Cutouts, <24 SF	14.60	
02 41 19 13-0274	SF	6" Thick Brick Wall Cutouts, <24 SF	24.09	
02 41 19 13-0275	SF	8" Thick Brick Wall Cutouts, <24 SF	33.54	
02 41 19 13-0276	SF	10" Thick Brick Wall Cutouts, <24 SF	40.87	
02 41 19 13-0277	SF	12" Thick Brick Wall Cutouts, <24 SF	48.90	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0278	SF	16" Thick Brick Wall Cutouts, <24 SF	57.67	
02 41 19 13-0279		**Concrete Block Wall Cutouts** *(02 41 19 13-0253)* Note: Excludes toothing.		
02 41 19 13-0280	SF	4" Thick Concrete Block Wall Cutouts, <24 SF	24.15	
02 41 19 13-0281	SF	6" Thick Concrete Block Wall Cutouts, <24 SF	25.58	
02 41 19 13-0282	SF	8" Thick Concrete Block Wall Cutouts, <24 SF	27.01	
02 41 19 13-0283	SF	10" Thick Concrete Block Wall Cutouts, <24 SF	28.47	
02 41 19 13-0284	SF	12" Thick Concrete Block Wall Cutouts, <24 SF	29.20	
02 41 19 13-0285	SF	16" Thick Concrete Block Wall Cutouts, <24 SF	30.66	
02 41 19 13-0286		**Limestone Cutouts** *(02 41 19 13-0253)*		
02 41 19 13-0287	SF	2" Thick Limestone Cutouts, <24 SF	40.87	
02 41 19 13-0288	SF	4" Thick Limestone Cutouts, <24 SF	49.64	
02 41 19 13-0289	SF	6" Thick Limestone Cutouts, <24 SF	52.56	
02 41 19 13-0290	SF	8" Thick Limestone Cutouts, <24 SF	55.47	
02 41 19 13-0291	SF	10" Thick Limestone Cutouts, <24 SF	58.40	
02 41 19 13-0292	SF	12" Thick Limestone Cutouts, <24 SF	61.31	
02 41 19 13-0293		**Toothing Masonry Cutouts** *(02 41 19 13-0253)* Note: For use where existing masonry must be removed in a toothing pattern along horizontal and vertical mortar joints. VLF measurement includes all horizontal cutting.		
02 41 19 13-0294	VLF	Brick, Soft Old Mortar, Toothing Masonry Cutouts	14.60	
02 41 19 13-0295	VLF	Brick, Hard Mortar, Toothing Masonry Cutouts	19.71	
02 41 19 13-0296	VLF	Concrete Block, Soft Old Mortar, Toothing Masonry Cutouts	8.76	
02 41 19 13-0297	VLF	Concrete Block, Hard Mortar, Toothing Masonry Cutouts	11.68	
02 41 19 13-0298		**Minimum Charge For Cutouts** *(02 41 19 13-0253)* Note: For projects where the total cutouts charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0299	EA	Cutouts Minimum Charge	291.97	
02 41 19 13-0300		**Exterior Masonry Removal** *(02 41 19 13)*		
02 41 19 13-0301		**Masonry Columns Removal (Interior And Exterior)** *(02 41 19 13-0300)*		
02 41 19 13-0302	VLF	8" x 8" Masonry Column Removal	11.44	
02 41 19 13-0303	VLF	10" x 10" Masonry Column Removal	17.87	
02 41 19 13-0304	VLF	12" x 12" Masonry Column Removal	22.90	
02 41 19 13-0305	VLF	14" x 14" Masonry Column Removal	28.67	
02 41 19 13-0306	VLF	16" x 16" Masonry Column Removal	35.21	
02 41 19 13-0307	CF	Masonry Column Removal, Per CF Of Masonry Removed; For Other Sizes Over 16" Square	19.78	
02 41 19 13-0308		**Masonry Chimney Removal** *(02 41 19 13-0300)*		
02 41 19 13-0309	CF	Up To 3 CF/VLF Chimney Removal, Per CF Of Masonry Removed	23.19	
02 41 19 13-0310	CF	>3 To 10 CF/VLF Chimney Removal, Per CF Of Masonry Removed	17.41	
02 41 19 13-0311	CF	>10 To 20 CF/VLF Chimney Removal, Per CF Of Masonry Removed	13.33	
02 41 19 13-0312	CF	>20 CF/VLF Chimney Removal, Per CF Of Masonry Removed	9.23	
02 41 19 13-0313		**Remove And Reset Precast, Stone Or Masonry Coping** *(02 41 19 13-0300)* Note: Includes removing, cleaning, and resetting coping with new ties and mortar. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0314	LF	Up To 8" Wide, Remove And Reset Precast, Stone Or Masonry Coping	13.93	
02 41 19 13-0315	LF	>8" To 12" Wide, Remove And Reset Precast, Stone Or Masonry Coping	20.96	
02 41 19 13-0316	LF	>12" To 24" Wide, Remove And Reset Precast, Stone Or Masonry Coping	40.31	
02 41 19 13-0317		**Facade Removal** *(02 41 19 13-0300)* Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0318	SF	Stone Or Brick Veneer Facade Removal	4.36	
		For Cleaning and Storage For Reuse, Add	*3.27*	
02 41 19 13-0319		**Exterior Masonry Removal** *(02 41 19 13-0300)* Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Salvage modifier includes removing mortar, scraping, cleaning, placement on pallets and storage on site. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0320	SF	Demolish 4" Thick Non Reinforced Concrete Block Exterior Wall	3.84	
02 41 19 13-0321	SF	Demolish 6" Thick Non Reinforced Concrete Block Exterior Wall	4.32	
02 41 19 13-0322	SF	Demolish 8" Thick Non Reinforced Concrete Block Exterior Wall	5.23	
02 41 19 13-0323	SF	Demolish 10" Thick Non Reinforced Concrete Block Exterior Wall	5.71	
02 41 19 13-0324	SF	Demolish 12" Thick Non Reinforced Concrete Block Exterior Wall	6.27	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0325	SF	Demolish 16" Thick Non Reinforced Concrete Block Exterior Wall	7.85	
02 41 19 13-0326	SF	Demolish 4" Thick Reinforced Concrete Block Exterior Wall	4.53	
02 41 19 13-0327	SF	Demolish 6" Thick Reinforced Concrete Block Exterior Wall	5.19	
02 41 19 13-0328	SF	Demolish 8" Thick Reinforced Concrete Block Exterior Wall	6.27	
02 41 19 13-0329	SF	Demolish 10" Thick Reinforced Concrete Block Exterior Wall	6.85	
02 41 19 13-0330	SF	Demolish 12" Thick Reinforced Concrete Block Exterior Wall	7.52	
02 41 19 13-0331	SF	Demolish 16" Thick Reinforced Concrete Block Exterior Wall	9.41	
02 41 19 13-0332	SF	Demolish 4" Thick Brick Exterior Wall	3.84	
		For Cleaning and Storage For Reuse, Add	*2.88*	
02 41 19 13-0333	SF	Demolish 6" Thick Brick Exterior Wall	4.32	
		For Cleaning and Storage For Reuse, Add	*3.24*	
02 41 19 13-0334	SF	Demolish 8" Thick Brick Exterior Wall	5.23	
		For Cleaning and Storage For Reuse, Add	*3.92*	
02 41 19 13-0335	SF	Demolish 10" Thick Brick Exterior Wall	5.71	
		For Cleaning and Storage For Reuse, Add	*4.28*	
02 41 19 13-0336	SF	Demolish 12" Thick Brick Exterior Wall	6.27	
		For Cleaning and Storage For Reuse, Add	*4.70*	
02 41 19 13-0337	SF	Demolish 16" Thick Brick Exterior Wall	7.85	
		For Cleaning and Storage For Reuse, Add	*5.89*	
02 41 19 13-0338	CF	Exterior Brick, Concrete Block Or Composite Removal	11.15	
		For Cleaning and Storage For Reuse, Add	*8.36*	

02 41 19 13-0339 Exterior Concrete Wall Removal *(02 41 19 13)*

02 41 19 13-0340	SF	Demolish 4" Thick Reinforced Concrete Exterior Wall	4.87	
02 41 19 13-0341	SF	Demolish 6" Thick Reinforced Concrete Exterior Wall	8.83	
02 41 19 13-0342	SF	Demolish 8" Thick Reinforced Concrete Exterior Wall	11.10	
02 41 19 13-0343	SF	Demolish 10" Thick Reinforced Concrete Exterior Wall	13.09	
02 41 19 13-0344	SF	Demolish 12" Thick Reinforced Concrete Exterior Wall	15.48	

02 41 19 13-0345 Roofing Removal *(02 41 19 13)*

02 41 19 13-0346 Clay Tile Roof Remove And Salvage For Re-use *(02 41 19 13-0345)*

Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.

02 41 19 13-0347	SQ	Remove Clay Roof Tile, Salvage For Re-use	227.49	

02 41 19 13-0348 Elevated Concrete Removal *(02 41 19 13)*

02 41 19 13-0349	CF	Elevated Concrete Beam/Slab/Steps Removal, Reinforced	9.78	

02 41 19 16 Selective Interior Demolition *(02 41 19)*

Note: Includes break-up of material, loading into truck or dumpster and clean-up. Salvage tasks include placement on pallets and storage on site.

02 41 19 16-0001 Floor Removal *(02 41 19 16)*

02 41 19 16-0002 Remove And Salvage For Re-Use *(02 41 19 16-0001)*

Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.

02 41 19 16-0003	SF	Remove Brick Flooring And Salvage	2.07	
02 41 19 16-0004	SF	Remove Ceramic/Quarry Tile Floor And Salvage	2.07	
02 41 19 16-0005	SF	Remove Terrazzo Flooring And Salvage	2.87	
02 41 19 16-0006	SF	Remove Wood Strip Flooring And Salvage	1.68	
02 41 19 16-0007	SF	Remove Wood Parquet Flooring And Salvage	0.88	
02 41 19 16-0008	SF	Remove Resilient/Linoleum Flooring And Salvage	0.63	

02 41 19 16-0009 Scarify Concrete *(02 41 19 16-0001)*

Note: Up to 1/4" removal per pass.

02 41 19 16-0010	SF	Scarify Concrete Floor	0.23	
02 41 19 16-0011	SF	Scarify Concrete Tread And Riser	1.91	
02 41 19 16-0012	SF	Scarify Concrete Wall	1.74	

02 41 19 16-0013 Fireproofing Removal *(02 41 19 16)*

02 41 19 16-0014	SF	Remove Fireproofing From Concrete Or Steel	0.97	

02 41 19 16-0015 Demolish Ceiling *(02 41 19 16)*

02 41 19 16-0016	SF	Demolish Drywall Ceiling	0.75	
02 41 19 16-0017	SF	Demolish Furred Plastered Ceiling	1.75	
02 41 19 16-0018	SF	Demolish Suspended Plastered Ceiling And Suspension System	1.33	

02 41 19 16-0019 Demolish Concrete Stair *(02 41 19 16)*

02 41 19 16-0020	CF	Demolish Interior Reinforced Concrete Stairs	6.27	
02 41 19 16-0021	CF	Demolish Exterior Reinforced Concrete Stairs	5.08	

02 41 19 16-0022 Demolish Interior Partition/Wall *(02 41 19 16)*

Note: Price includes knock down, loading, clean-up.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 16-0023		**Demolish Masonry And Concrete Interior Partition/Walls** *(02 41 19 16-0022)* Note: Includes saw cutting, knock down, loading and clean-up.		
02 41 19 16-0024		**Demolish Concrete Block Interior Partition/Walls** *(02 41 19 16-0023)*		
02 41 19 16-0025	SF	Demolish 4" Thick Non Reinforced Concrete Block Interior Partition/Wall	4.06	
02 41 19 16-0026	SF	Demolish 6" Thick Non Reinforced Concrete Block Interior Partition/Wall	4.34	
02 41 19 16-0027	SF	Demolish 8" Thick Non Reinforced Concrete Block Interior Partition/Wall	4.89	
02 41 19 16-0028	SF	Demolish 12" Thick Non Reinforced Concrete Block Interior Partition/Wall	6.28	
02 41 19 16-0029	SF	Demolish 16" Thick Non Reinforced Concrete Block Interior Partition/Wall	7.85	
02 41 19 16-0030	SF	Demolish 4" Thick Reinforced Concrete Block Interior Partition/Wall	4.87	
02 41 19 16-0031	SF	Demolish 6" Thick Reinforced Concrete Block Interior Partition/Wall	5.21	
02 41 19 16-0032	SF	Demolish 8" Thick Reinforced Concrete Block Interior Partition/Wall	5.87	
02 41 19 16-0033	SF	Demolish 12" Thick Reinforced Concrete Block Interior Partition/Wall	7.53	
02 41 19 16-0034	SF	Demolish 16" Thick Reinforced Concrete Block Interior Partition/Wall	9.41	
02 41 19 16-0035		**Demolish Brick Interior Partition/Walls** *(02 41 19 16-0023)*		
02 41 19 16-0036	SF	Demolish 4" Thick Brick Interior Partition/Wall	4.06	
02 41 19 16-0037	SF	Demolish 8" Thick Brick Interior Partition/Wall	4.89	
02 41 19 16-0038	SF	Demolish 12" Thick Brick Interior Partition/Wall	6.27	
02 41 19 16-0039	SF	Demolish 16" Thick Brick Interior Partition/Wall	7.85	
02 41 19 16-0040		**Demolish Glass Block Interior Partition/Walls** *(02 41 19 16-0023)*		
02 41 19 16-0041	SF	Demolish Glass Block Interior Partition/Walls	3.48	
02 41 19 16-0042		**Demolish Concrete Interior Partition/Walls** *(02 41 19 16-0023)* See CSI section 02 41 16 13-0021 for concrete foundation demolition.		
02 41 19 16-0043	SF	Demolish 6" Thick Non Reinforced Concrete Interior Partition/Wall	7.39	
02 41 19 16-0044	SF	Demolish 8" Thick Non Reinforced Concrete Interior Partition/Wall	9.23	
02 41 19 16-0045	SF	Demolish 12" Thick Non Reinforced Concrete Interior Partition/Wall	12.92	
02 41 19 16-0046	SF	Demolish 6" Thick Reinforced Concrete Interior Partition/Wall	8.86	
02 41 19 16-0047	SF	Demolish 8" Thick Reinforced Concrete Interior Partition/Wall	11.15	
02 41 19 16-0048	SF	Demolish 12" Thick Reinforced Concrete Interior Partition/Wall	15.51	
02 41 19 16-0049		**Demolish Terra-Cotta Block Interior Partition/Walls** *(02 41 19 16-0023)*		
02 41 19 16-0050	SF	Demolish Up To 6" Thick Terra-Cotta Block Interior Partition/Wall Finished With Plaster	1.39	
02 41 19 16-0051		**Demolish Stud Framed Interior Partition/Walls** *(02 41 19 16-0022)* Note: Includes knock down, loading and clean-up. Includes demo of insulation if required.		
02 41 19 16-0052	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 1 Side	2.47	
		For Heights >14' To 20', Add		*0.37*
		For Heights >20', Add		*0.49*
02 41 19 16-0053	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 2 Sides	2.88	
		For Heights >14' To 20', Add		*0.43*
		For Heights >20', Add		*0.58*
02 41 19 16-0054	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 1 Side	3.16	
		For Heights >14' To 20', Add		*0.47*
		For Heights >20', Add		*0.63*
02 41 19 16-0055	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 2 Sides	4.40	
		For Heights >14' To 20', Add		*0.66*
		For Heights >20', Add		*0.88*
02 41 19 16-0056	SF	Demolish Plaster And Lath From 1 Side Of An Interior Partition/Wall	1.30	
		For Heights >14' To 20', Add		*0.20*
		For Heights >20', Add		*0.26*
02 41 19 16-0057	SF	Demolish Plaster And Lath From 2 Sides Of An Interior Partition/Wall	1.55	
		For Heights >14' To 20', Add		*0.23*
		For Heights >20', Add		*0.31*

02 43 Structure Moving *(02 40)*

02 43 13 Structure Relocation *(02 43)*

Note: Includes disconnection of utilities, moving of structure, one day move (excludes travel expenses and lodging), up to 24' wide. Reset on new foundations and hook up to utilities.

02 43 13 00-0001		**Move Relocatable Structures (Trailer, Mobile Facilities, etc.), Complete** *(02 43 13)* Note: Includes disconnect portable from foundation, separate relocatable unit and attachments as needed for transport, secure all relocatable attachments (awnings, steps, ramps, railing, etc.) for transport, transport relocatable and attachments to new location, including permits and police escort, connect to foundation per approved specifications/details, including welding and/or hurricane anchoring as needed.		
02 43 13 00-0002	SF	Up To 800 SF, Move Relocatable Metal Frame Building	27.51	
02 43 13 00-0003	SF	>800 To 920 SF, Move Relocatable Metal Frame Building	26.00	
02 43 13 00-0004	SF	>920 SF, Move Relocatable Metal Frame Building	24.33	
02 43 13 00-0005	SF	Up To 800 SF, Move Relocatable Wood Frame Building	22.07	
02 43 13 00-0006	SF	>800 To 920 SF, Move Relocatable Wood Frame Building	20.63	
02 43 13 00-0007	SF	>920 SF, Move Relocatable Wood Frame Building	18.25	
02 43 13 00-0008	SF	Up To 800 SF, Move Relocatable Wood/Metal Frame Building	26.74	
02 43 13 00-0009	SF	>800 To 920 SF, Move Relocatable Wood/Metal Frame Building	24.33	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 43 13 00-0010	SF	>920 SF, Move Relocatable Wood/Metal Frame Building	20.63	

02 60 Contaminated Site Material Removal *(02)*

02 61 Removal And Disposal Of Contaminated Soils *(02 60)*

02 61 13 Excavation And Handling Of Contaminated Material *(02 61)*

See CSI section 31 23 16 00-0000 for excavation.

02 61 13 00-0001 Excavation Of Non-Petroleum Contaminated Soil *(02 61 13)*

See CSI section 02 65 00 00-0001 for testing, 02 65 00 00-0006 for testing, 31 23 16 00-0000 for excavation of non-contaminated soil, 31 23 16 33-0019 for loading non-petroleum contaminated material onto trucks for removal.

02 61 13 00-0002 Excavate Non-Petroleum Contaminated Soil *(02 61 13 00-0001)*

02 61 13 00-0003	CY	Excavate Non Petroleum Contaminated Soil Note: Includes excavation, making a determination if the soil is reusable or contaminated, and stockpiling as per determination.	6.46

02 61 13 00-0004 Excavate Petroleum Contaminated Soil *(02 61 13)*

02 61 13 00-0005	CY	Excavate Petroleum Contaminated Soil Note: Includes excavation, making a determination if the soil is reusable or contaminated, and stockpiling as per determination.	9.68
02 61 13 00-0006	CY	Load Excavated Petroleum Contaminated Soil	5.53
02 61 13 00-0007	CY	Disposal Fees Of Petroleum Contaminated Soil	44.32

02 61 13 00-0008 Accessories For Contaminated Soil Stockpile *(02 61 13)*

See CSI section 31 25 14 23-0001 for sand bags.

02 61 13 00-0009	SF	30 Mil Base Liner Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.	0.86
02 61 13 00-0010	SF	10 Mil Base Liner Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.	0.62

02 65 Underground Storage Tank Removal *(02 60)*

Note: Petroleum gasoline is classified as a hazardous material; fuel oil is considered a non-hazardous material. See CSI section 01 74 19 00-0038 for hauling, 31 20 00 00-0000 for non-contaminated soil excavation, 31 23 16 00-0000 for excavation, 31 41 00 00-0000 for shoring.

02 65 00 00-0001 Monitoring, Sampling, Testing And Analysis *(02 65)*

02 65 00 00-0002 Field Samples For Testing *(02 65 00 00-0001)*

02 65 00 00-0003	EA	Collection Of Sludge Sample	15.48
02 65 00 00-0004	EA	Collection Of Pumpable Liquids Sample	15.48
02 65 00 00-0005	EA	Collection Of Contaminated Soil Sample	15.48

02 65 00 00-0006 Lab Tests For Underground Storage Tank Removal *(02 65 00 00-0001)*

Note: Includes lab test fees, reports, shipping, handling, chain of custody documents and disposal of sample.

02 65 00 00-0007	EA	Lab Test - Benzene, Toluene, Ethylbenzene, Xylene 8020 Note: The cost is for the in-lab test for Benzene, Toluene, Ethylbenzene, And Xylene using procedure 8020 as detailed in EPA SW-846.	100.97
02 65 00 00-0008	EA	Lab Test - Flashpoint Note: The cost is for the in-lab test for the flashpoint using procedure 40CFR 261.21 as detailed in EPA SW-846.	39.27
02 65 00 00-0009	EA	Lab Test - TOX 9020 Note: The cost is for the in-lab test for total organic halides using procedure 9020 as detailed in EPA SW-846.	94.46
02 65 00 00-0010	EA	Lab Test - TPH 8015 Modified Note: The cost is for the in-lab test for total petroleum hydrocarbons by gas chromatography using procedure 8015 Mod. as detailed in EPA SW-846.	100.97
02 65 00 00-0011	EA	Lab Test - TRPH 418.1 Note: The cost is for the in-lab test for total recoverable petroleum hydrocarbons using procedure 418.1 as detailed in EPA SW-846.	78.53
02 65 00 00-0012	EA	Lab Test - VOC Note: The cost is for the in-lab test for volatile organics using procedure 8240 as detailed in EPA SW-846.	213.16
02 65 00 00-0013	EA	Lab Test - Semi-Volatile Organic Note: The cost is for the in-lab test for semi-volatile organics using procedure 8270 as detailed in EPA SW-846.	392.66
02 65 00 00-0014	EA	Lab Test - Oil And Grease 413.1 Note: The cost is for the in-lab test for oil and grease using procedure 413.1 as detailed in EPA SW-846.	47.23
02 65 00 00-0015	EA	Lab Test - TCLP (Extraction) - Metals Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.	84.14
02 65 00 00-0016	EA	Lab Test - TCLP (Extraction) - Semi-Volatile Organic Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.	112.19
02 65 00 00-0017	EA	Lab Test - Metals 6010 RCRA Note: The cost is for the in-lab test for metals using procedure 6010 RCRA as detailed in EPA SW-846.	125.65
02 65 00 00-0018	EA	Lab Test - Metals (Arsenic) 7060 Note: The cost is for the in-lab test for the metal arsenic using procedure 7060 as detailed in EPA SW-846.	16.83
02 65 00 00-0019	EA	Lab Test - Metals (Selenium) 7740 Note: The cost is for the in-lab test for the metal selenium (SE) using procedure 7740 as detailed in EPA SW-846.	16.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0020	EA	Lab Test - Metals (Lead) 7421 Note: The cost is for the in-lab test for the metal lead using procedure 7421 as detailed in EPA SW-846.	16.83	
02 65 00 00-0021	EA	Lab Test - Metals (Mercury) 7470 Note: The cost is for the in-lab test for the metal mercury using procedure 7470 as detailed in EPA SW-846.	31.41	
02 65 00 00-0022	EA	Lab Test - PNA/PAH 8100 Note: The cost is for the in-lab test for polynuclear aromatic hydrocarbons using procedure 8100 as detailed in EPA SW-846.	179.50	
02 65 00 00-0023	EA	Lab Test - Fuel Id ASTM D3328-78 Note: The cost is for the in-lab test to determine the constituents of fuel using the procedure as detailed in ASTM D3328-78.	64.94	
02 65 00 00-0024	EA	Lab Test - pH	13.46	
02 65 00 00-0025	EA	Lab Test - PCBs In Wastewater	168.28	
02 65 00 00-0026	EA	Lab Test - Methyl Tertiary Butyl Ether (MTBE)	100.97	
02 65 00 00-0027		**Tests, Surveys And Maintenance** *(02 65 00 00-0001)*		
02 65 00 00-0028	EA	Site Survey For AST/UST Location By Certified Tank Installer Note: Includes testing Pump output both tank and dispenser, Calibrate pump dispenser if needed, Check all sumps both tank and dispenser, check all fitting connections for leaks and check wiring connection for possible malfunction or safety hazard, check seals on caps for fill tube, check overfill performance for safety shutdown, check all hoses and pump handle, check break-away couplings, complete written report on all data found.	666.93	
02 65 00 00-0029	EA	Check Cathodic Protection - Impressed Current Systems And Sacrificial Anode Systems Note: By Certified Technician. Write report of findings for action if needed	110.55	
02 65 00 00-0030	EA	Check And Report On Monitor Probes Note: By Certified Technician	25.83	
02 65 00 00-0031	EA	Tank Monitoring System: Check System Per Manufacturer's Specification By Certified Technician With Written Report Note: Including pass / fail; paper feed operational paper installed etc.; and status of inspection repairs needed etc.	184.80	
02 65 00 00-0032	EA	Replace Anode On Impressed System	68.67	
02 65 00 00-0033	EA	Replace Power Converter On Impressed System	99.84	
02 65 00 00-0034	EA	Replace Monitor Probes	149.60	
02 65 00 00-0035	EA	Ultrasonic Test	67.13	
02 65 00 00-0036		**Tests And Sampling Labor Hours** *(02 65 00 00-0001)*		
02 65 00 00-0037	HR	Certified Tank Installer	74.27	
02 65 00 00-0038	HR	Certified Geologist/Environmentalist	74.27	
02 65 00 00-0039	HR	Hourly Office Work For Reports Required For EPA Note: Includes title searches, well survey data, site drawings, submitting preliminary work, etc. Hours not to be used in association with other tasks performed.	66.26	
02 65 00 00-0040		**Remove Tank Contents** *(02 65)*		
02 65 00 00-0041		**Transfer Liquid** *(02 65 00 00-0040)* Note: For use to transfer liquids from one tank to another.		
02 65 00 00-0042	GAL	Transfer Reusable Liquid To Different Tank Note: Per gallon of material transferred.	0.52	
02 65 00 00-0043		**Pump Contaminated Liquids And Rinse Material** *(02 65 00 00-0040)*		
02 65 00 00-0044	GAL	Remove and Dispose of Hazardous Liquids From Tank	1.02	
02 65 00 00-0045	GAL	Remove And Dispose Of Non Hazardous Liquid From Tank	0.74	
02 65 00 00-0046		**Sludge** *(02 65 00 00-0040)* Note: Includes scraping and solidifying agent.		
02 65 00 00-0047	GAL	Remove And Dispose Of Hazardous Solids Or Sludge From Tank	4.72	
02 65 00 00-0048	GAL	Remove And Dispose Of Non Hazardous Solids Or Sludge From Tank	1.03	
02 65 00 00-0049		**Purge Vapors, Open And Clean Tank** *(02 65)*		
02 65 00 00-0050		**Purge Vapors** *(02 65 00 00-0049)*		
02 65 00 00-0051	LB	Purge Tank Using Dry Ice Note: Approximately 1.5 To 3.0 LBS of dry ice per 100 Gals of tank volume.	2.34	
02 65 00 00-0052		**High Pressure Water Wash And Rinse Of Tank Interior** *(02 65 00 00-0049)*		
02 65 00 00-0053	EA	Up To 275 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	218.12	
02 65 00 00-0054	EA	>275 To 550 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	280.44	
02 65 00 00-0055	EA	>550 To 1,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	355.23	
02 65 00 00-0056	EA	>1,000 To 2,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	461.18	
02 65 00 00-0057	EA	>2,000 To 5,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	860.02	
02 65 00 00-0058	EA	>5,000 To 6,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	1,034.53	
02 65 00 00-0059	EA	>6,000 To 8,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	1,152.93	
02 65 00 00-0060	EA	>8,000 To 10,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	1,383.52	
02 65 00 00-0061	EA	>10,000 To 15,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	1,720.06	
02 65 00 00-0062	EA	>15,000 To 20,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	2,069.05	
02 65 00 00-0063	EA	>20,000 To 30,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	2,586.32	
02 65 00 00-0064	EA	>30,000 To 40,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	3,233.20	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0065	EA	>40,000 To 50,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	4,040.87	
02 65 00 00-0066		**Scrape Clean Tank Exterior** *(02 65 00 00-0049)*		
02 65 00 00-0067	EA	Up To 275 Gallon Tank, Scrape Clean Tank Exterior	180.19	
02 65 00 00-0068	EA	>275 To 550 Gallon Tank, Scrape Clean Tank Exterior	239.95	
02 65 00 00-0069	EA	>550 To 1,000 Gallon Tank, Scrape Clean Tank Exterior	314.41	
02 65 00 00-0070	EA	>1,000 To 2,000 Gallon Tank, Scrape Clean Tank Exterior	435.40	
02 65 00 00-0071	EA	>2,000 To 5,000 Gallon Tank, Scrape Clean Tank Exterior	964.20	
02 65 00 00-0072	EA	>5,000 To 6,000 Gallon Tank, Scrape Clean Tank Exterior	1,220.87	
02 65 00 00-0073	EA	>6,000 To 8,000 Gallon Tank, Scrape Clean Tank Exterior	1,428.65	
02 65 00 00-0074	EA	>8,000 To 10,000 Gallon Tank, Scrape Clean Tank Exterior	1,796.01	
02 65 00 00-0075	EA	>10,000 To 15,000 Gallon Tank, Scrape Clean Tank Exterior	2,334.38	
02 65 00 00-0076	EA	>15,000 To 20,000 Gallon Tank, Scrape Clean Tank Exterior	2,930.11	
02 65 00 00-0077	EA	>20,000 To 30,000 Gallon Tank, Scrape Clean Tank Exterior	3,815.25	
02 65 00 00-0078	EA	>30,000 To 40,000 Gallon Tank, Scrape Clean Tank Exterior	4,578.30	
02 65 00 00-0079	EA	>40,000 To 50,000 Gallon Tank, Scrape Clean Tank Exterior	5,722.87	
02 65 00 00-0080		**Tank And Piping Removal** *(02 65)* Note: Excludes excavation. See CSI section 02 61 13 00-0001 for excavation.		
02 65 00 00-0081		**Removal And Disposal Of Piping** *(02 65 00 00-0080)* Note: Includes removal, inspection, loading, transporting pipe to disposal facility or transfer station within 15 miles and disposal fees.		
02 65 00 00-0082	LF	Up To 4", Removal And Disposal Of Piping	13.96	
02 65 00 00-0083	LF	>4" To 8", Removal And Disposal Of Piping	18.62	
02 65 00 00-0084		**Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement** *(02 65 00 00-0080)* Note: Excludes excavation or backfill.		
02 65 00 00-0085	EA	Up To 275 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	494.43	
02 65 00 00-0086	EA	>275 To 550 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	600.38	
02 65 00 00-0087	EA	>550 To 1,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	706.33	
02 65 00 00-0088	EA	>1,000 To 2,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	882.91	
02 65 00 00-0089	EA	>2,000 To 5,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	1,236.07	
02 65 00 00-0090	EA	>5,000 To 6,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	1,553.91	
02 65 00 00-0091	EA	>6,000 To 8,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	1,765.82	
02 65 00 00-0092	EA	>8,000 To 10,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	2,118.98	
02 65 00 00-0093	EA	>10,000 To 15,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	2,825.29	
02 65 00 00-0094	EA	>15,000 To 20,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	3,386.91	
02 65 00 00-0095	EA	>20,000 To 30,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	3,968.76	
02 65 00 00-0096	EA	>30,000 To 40,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	4,643.11	
02 65 00 00-0097	EA	>40,000 To 50,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	5,803.88	
02 65 00 00-0098		**Cut Tank Into Sections That Can Easily Be Transported And Disposed Of When Necessary** *(02 65 00 00-0080)* Note: Includes 1 lengthwise at every 4' O.C. height wise.		
02 65 00 00-0099	EA	>1,000 To 2,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	610.94	
02 65 00 00-0100	EA	>2,000 To 5,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	1,139.33	
02 65 00 00-0101	EA	>5,000 To 6,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	1,370.50	
02 65 00 00-0102	EA	>6,000 To 8,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	1,527.36	
02 65 00 00-0103	EA	>8,000 To 10,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	1,832.84	
02 65 00 00-0104	EA	>10,000 to 15,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	2,278.66	
02 65 00 00-0105	EA	>15,000 to 20,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	2,740.99	
02 65 00 00-0106	EA	>20,000 To 30,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	3,426.24	
02 65 00 00-0107	EA	>30,000 To 40,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	4,282.81	
02 65 00 00-0108	EA	>40,000 To 50,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	5,353.50	
02 65 00 00-0109		**Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station** *(02 65 00 00-0080)* Note: Includes disposal fee.		
02 65 00 00-0110	EA	Up To 275 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	138.33	
		For Each Additional Mile >15 Miles, Add	*3.46*	
02 65 00 00-0111	EA	>275 To 550 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	174.73	
		For Each Additional Mile >15 Miles, Add	*4.37*	
02 65 00 00-0112	EA	>550 To 1,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	262.10	
		For Each Additional Mile >15 Miles, Add	*6.55*	
02 65 00 00-0113	EA	>1,000 To 2,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	662.72	
		For Each Additional Mile >15 Miles, Add	*7.64*	
02 65 00 00-0114	EA	>2,000 To 5,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	1,169.36	
		For Each Additional Mile >15 Miles, Add	*13.47*	
02 65 00 00-0115	EA	>5,000 To 6,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	1,213.03	
		For Each Additional Mile >15 Miles, Add	*14.56*	
02 65 00 00-0116	EA	>6,000 To 8,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	1,285.84	
		For Each Additional Mile >15 Miles, Add	*16.38*	
02 65 00 00-0117	EA	>8,000 To 10,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	1,849.32	
		For Each Additional Mile >15 Miles, Add	*21.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0118	EA	>10,000 To 15,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	2,559.80	
		For Each Additional Mile >15 Miles, Add	*32.76*	
02 65 00 00-0119	EA	>15,000 To 20,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	2,979.06	
		For Each Additional Mile >15 Miles, Add	*36.40*	
02 65 00 00-0120	EA	>20,000 To 30,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	3,674.83	
		For Each Additional Mile >15 Miles, Add	*43.68*	
02 65 00 00-0121	EA	>30,000 To 40,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	5,071.32	
		For Each Additional Mile >15 Miles, Add	*52.42*	
02 65 00 00-0122	EA	>40,000 To 50,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	6,099.73	
		For Each Additional Mile >15 Miles, Add	*60.28*	

02 65 00 00-0123 Other Storage Tank Removals *(02 65 00 00-0080)*

02 65 00 00-0124	GAL	Remove Cement Lining	0.45	
02 65 00 00-0125	GAL	Sandblast Tank In Prep For Lining Or Welding; Remove Sand, Vacuum Walls And Seams	0.16	
02 65 00 00-0126	GAL	Install Epoxy For Interior Corrosion Protection	0.89	

02 65 00 00-0127 Tank Closure Report *(02 65 00 00-0080)*

Note: Excludes soils tests. See CSI section 02 65 00 00-0006 for soil tests.

02 65 00 00-0128	EA	Prepare Tank Closure Report	1,667.35	

02 65 00 00-0129 Temporary Tanks *(02 65)*

02 65 00 00-0130 Temporary Holding Tanks *(02 65 00 00-0129)*

02 65 00 00-0131 Above Ground Temporary Holding Tanks, Monthly Rental *(02 65 00 00-0130)*

02 65 00 00-0132	MO	550 Gallon, Stainless Steel, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental	466.85	
02 65 00 00-0133	MO	630 Gallon, Polyethylene, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental	466.85	
02 65 00 00-0134	MO	630 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental	933.70	
02 65 00 00-0135	MO	4,000 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental	700.28	
02 65 00 00-0136	MO	4,000 Gallon, Polyethylene, Trailer Mounted, Above Ground Temporary Holding Tanks, Monthly Rental	1,633.98	
02 65 00 00-0137	MO	6,000 Gallon, Polyethylene, Total Drain, Above Ground Temporary Holding Tanks, Monthly Rental	1,167.13	
02 65 00 00-0138	MO	21,000 Gallon (500 BBL), Steel, Open, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental	1,649.50	
02 65 00 00-0139	MO	21,000 Gallon (500 BBL), Steel, Closed, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental	1,976.78	
02 65 00 00-0140	MO	21,000 Gallon (500 BBL), Steel, Vapor Proof, Above Ground Temporary Holding Tanks, Monthly Rental	3,338.27	

02 65 00 00-0141 Secondary Containment Berm *(02 65 00 00-0129)*

02 65 00 00-0142	MO	Secondary Containment Berm Monthly Rental	1,011.51	

02 80 Facility Remediation *(02)*

02 81 Transportation And Disposal Of Hazardous Materials *(02 80)*

02 81 00 00-0001 Hazardous Material Disposal *(02 81)*

02 81 00 00-0002	GAL	Drain Hazardous (PCB) Oil Filled Equipment And Dispose In Approved Container Note: Includes handling of container and disposal at approved site.	8.32	
02 81 00 00-0003	CF	Hazardous (PCB) Oil Filled Equipment Disposal At Approved Site Note: Includes handling of equipment and disposal at approved site. Excludes draining of PCB contaminated oil prior to disposal.	56.22	

02 82 Asbestos Remediation *(02 80)*

Note: Tasks include materials, equipment (e.g. ladders, high volume vacuum with sound suppression system where required, etc.), mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, HEPA vacuuming, transportation for up to 25 miles, disposal, personnel health monitoring, negative air, fees, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there are tasks with a unit of measure of EA for a quantity of less than 10 LF or SF (10 LF to 20 LF for ACM pipe insulation), followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project. See CSI section 01 74 19 00-0038 for hauling in excess of 25 miles to transfer or disposal site, 02 81 00 00-0000 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0002 for solid isolation barriers, 02 89 00 00-0012 for plastic sheeting for containment construction, 02 89 00 00-0019 for decontamination chambers.

02 82 00 00-0001 Pipe And Pipe Fittings Insulation, Asbestos Abatement And Disposal *(02 82)*

02 82 00 00-0002 Pipe Insulation, Asbestos Abatement And Disposal *(02 82 00 00-0001)*

Note: Diameter is outer size of insulation. Treat fittings as additional linear feet of insulation.

02 82 00 00-0003 Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal *(02 82 00 00-0002)*

See CSI section 02 82 00 00-0017 for projects with less than 10 LF.

02 82 00 00-0004	EA	10 To 20 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	504.03	
		For Work In Restricted Working Space, Add		*151.21*
02 82 00 00-0005	LF	>20 To 250 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	25.77	
		For Work In Restricted Working Space, Add		*7.73*
02 82 00 00-0006	LF	>250 To 500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	19.33	
		For Work In Restricted Working Space, Add		*5.80*
02 82 00 00-0007	LF	>500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	14.50	
		For Work In Restricted Working Space, Add		*4.35*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 00 00-0008	LF	>2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	10.87	
		For Work In Restricted Working Space, Add	*3.26*	
02 82 00 00-0009	LF	>10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	9.46	
		For Work In Restricted Working Space, Add	*2.84*	

02 82 00 00-0010 >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal *(02 82 00 00-0002)*

See CSI section 02 82 00 00-0017 for projects with less than 10 LF.

02 82 00 00-0011	EA	10 To 20 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	504.03	
		For Work In Restricted Working Space, Add	*151.21*	
02 82 00 00-0012	LF	>20 To 250 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	29.64	
		For Work In Restricted Working Space, Add	*8.89*	
02 82 00 00-0013	LF	>250 To 500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	22.23	
		For Work In Restricted Working Space, Add	*6.67*	
02 82 00 00-0014	LF	>500 To 2,500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	16.67	
		For Work In Restricted Working Space, Add	*5.00*	
02 82 00 00-0015	LF	>2,500 To 10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	12.50	
		For Work In Restricted Working Space, Add	*3.75*	
02 82 00 00-0016	LF	>10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	10.88	
		For Work In Restricted Working Space, Add	*3.26*	

02 82 00 00-0017 Glove Bag Method, Pipe Insulation, Asbestos Abatement And Disposal *(02 82 00 00-0002)*

Note: Solid isolation barriers and plastic sheeting for containment construction (except on floor) are not required for glove bag projects unless required by local codes.

02 82 00 00-0018	EA	Glove Bag For First 3 LF Pipe Insulation, Asbestos Abatement And Disposal	547.08	
		For Work In Restricted Working Space, Add	*164.12*	
02 82 00 00-0019	LF	>3 To 20 LF Additional Glove Bag Work for Pipe Insulation	81.05	
		For Work In Restricted Working Space, Add	*24.32*	
02 82 00 00-0020	LF	>20 To 250 LF Additional Glove Bag Work for Pipe Insulation	31.46	
		For Work In Restricted Working Space, Add	*9.44*	
02 82 00 00-0021	LF	>250 To 500 LF Additional Glove Bag Work for Pipe Insulation	23.60	
		For Work In Restricted Working Space, Add	*7.08*	
02 82 00 00-0022	LF	>500 LF Additional Glove Bag Work for Pipe Insulation	17.69	
		For Work In Restricted Working Space, Add	*5.31*	

02 82 00 00-0023 Thermal Insulation, Asbestos Abatement And Disposal *(02 82)*

02 82 00 00-0024 Other Thermal Insulation, Up To 3" Thickness, Asbestos Abatement And Disposal *(02 82 00 00-0023)*

Note: e.g., duct, boiler, tank, etc.

02 82 00 00-0025	EA	Up To 10 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	504.03	
02 82 00 00-0026	SF	>10 To 500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	25.77	
02 82 00 00-0027	SF	>500 To 2,500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	20.30	
02 82 00 00-0028	SF	>2,500 To 10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	15.22	
02 82 00 00-0029	SF	>10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	11.42	

02 82 00 00-0030 Surfacing Material, Asbestos Abatement And Disposal *(02 82)*

02 82 00 00-0031 Fireproofing, Asbestos Abatement And Disposal *(02 82 00 00-0030)*

Note: Exposed surface area, includes associated overspray.

02 82 00 00-0032	EA	Up To 10 SF, Fireproofing, Asbestos Abatement And Disposal	504.03	
02 82 00 00-0033	SF	>10 To 500 SF, Fireproofing, Asbestos Abatement And Disposal	30.93	
02 82 00 00-0034	SF	>500 To 2,500 SF, Fireproofing, Asbestos Abatement And Disposal	23.18	
02 82 00 00-0035	SF	>2,500 To 10,000 SF, Fireproofing, Asbestos Abatement And Disposal	17.39	
02 82 00 00-0036	SF	>10,000 SF, Fireproofing, Asbestos Abatement And Disposal	13.04	

02 82 00 00-0037 Acoustical Plaster, Asbestos Abatement And Disposal *(02 82 00 00-0030)*

Note: Remove surface coat from brown coat or remove entire assembly, including lathe and finish materials.

02 82 00 00-0038	EA	Up To 10 SF, Acoustical Plaster, Asbestos Abatement And Disposal	504.03	
02 82 00 00-0039	SF	>10 To 500 SF, Acoustical Plaster, Asbestos Abatement And Disposal	12.92	
02 82 00 00-0040	SF	>500 To 2,500 SF, Acoustical Plaster, Asbestos Abatement And Disposal	9.76	
02 82 00 00-0041	SF	>2,500 To 10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal	7.25	
02 82 00 00-0042	SF	>10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal	5.36	

02 82 00 00-0043 Gypsum Wall Board, Asbestos Abatement And Disposal *(02 82 00 00-0030)*

02 82 00 00-0044	EA	Up To 10 SF, Gypsum Wall Board, Asbestos Abatement And Disposal	504.03	
02 82 00 00-0045	SF	>10 To 500 SF, Gypsum Wall Board, Asbestos Abatement And Disposal	9.92	
02 82 00 00-0046	SF	>500 To 2,500 SF, Gypsum Wall Board, Asbestos Abatement And Disposal	7.25	
02 82 00 00-0047	SF	>2,500 To 10,000 SF, Gypsum Wall Board, Asbestos Abatement And Disposal	5.67	
02 82 00 00-0048	SF	>10,000 To 50,000 SF, Gypsum Wall Board, Asbestos Abatement And Disposal	4.41	
02 82 00 00-0049	SF	>50,000 SF, Gypsum Wall Board, Asbestos Abatement And Disposal	3.15	

02 82 00 00-0050 Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal *(02 82 00 00-0030)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 00 00-0051	EA	Up To 10 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	504.03	
02 82 00 00-0052	SF	>10 To 500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	18.84	
02 82 00 00-0053	SF	>500 To 2,500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	13.80	
02 82 00 00-0054	SF	>2,500 To 10,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	10.77	
02 82 00 00-0055	SF	>10,000 To 50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	8.38	
02 82 00 00-0056	SF	>50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	5.98	
02 82 00 00-0057		Stucco, Asbestos Abatement And Disposal *(02 82 00 00-0030)*		
02 82 00 00-0058	EA	Up To 10 SF, Stucco, Asbestos Abatement And Disposal	504.03	
02 82 00 00-0059	SF	>10 To 500 SF, Stucco, Asbestos Abatement And Disposal	21.91	
02 82 00 00-0060	SF	>500 To 2,500 SF, Stucco, Asbestos Abatement And Disposal	16.43	
02 82 00 00-0061	SF	>2,500 To 10,000 SF, Stucco, Asbestos Abatement And Disposal	12.33	
02 82 00 00-0062	SF	>10,000 SF, Stucco, Asbestos Abatement And Disposal	9.25	
02 82 00 00-0063		Spray On Acoustical Ceiling, Asbestos Abatement And Disposal *(02 82 00 00-0030)*		
02 82 00 00-0064	EA	Up To 10 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	504.03	
02 82 00 00-0065	SF	>10 To 500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	8.40	
02 82 00 00-0066	SF	>500 To 2,500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	6.30	
02 82 00 00-0067	SF	>2,500 To 10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	4.73	
02 82 00 00-0068	SF	>10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	3.53	
02 82 00 00-0069		Plywood, Asbestos Abatement And Disposal *(02 82 00 00-0030)*		
02 82 00 00-0070	EA	Up To 10 SF, Plywood, Asbestos Abatement And Disposal	504.03	
02 82 00 00-0071	SF	>10 To 500 SF, Plywood, Asbestos Abatement And Disposal	10.71	
02 82 00 00-0072	SF	>500 To 2,500 SF, Plywood, Asbestos Abatement And Disposal	5.15	
02 82 00 00-0073	SF	>2,500 To 10,000 SF, Plywood, Asbestos Abatement And Disposal	3.48	
02 82 00 00-0074	SF	>10,000 SF, Plywood, Asbestos Abatement And Disposal	2.96	
02 82 00 00-0075		Flooring Material, Asbestos Abatement And Disposal *(02 82)*		
02 82 00 00-0076		Floor Tile, Linoleum, Carpet Or Base, Asbestos Abatement And Disposal *(02 82 00 00-0075)*		
02 82 00 00-0077		Floor Tile Or Linoleum, Asbestos Abatement And Disposal *(02 82 00 00-0076)*		
		Note: Single layer or first of multiple layers. Excludes mastic.		
02 82 00 00-0078	EA	Up To 10 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal	504.03	
02 82 00 00-0079	SF	>10 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal	5.15	
		For Each Additional Layer, Add	*1.29*	
02 82 00 00-0080	SF	>500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal	4.19	
		For Each Additional Layer, Add	*1.05*	
02 82 00 00-0081	SF	>2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal	3.31	
		For Each Additional Layer, Add	*0.83*	
02 82 00 00-0082	SF	>10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal	2.23	
		For Each Additional Layer, Add	*0.56*	
02 82 00 00-0083		Carpet, Asbestos Abatement And Disposal *(02 82 00 00-0076)*		
02 82 00 00-0084	EA	Up To 10 SF, Non-Friable Carpet, Asbestos Abatement And Disposal	504.03	
02 82 00 00-0085	SF	>10 To 500 SF, Non-Friable Carpet, Asbestos Abatement And Disposal	3.99	
02 82 00 00-0086	SF	>500 To 2,500 SF, Non-Friable Carpet, Asbestos Abatement And Disposal	3.20	
02 82 00 00-0087	SF	>2,500 To 10,000 SF, Non-Friable Carpet, Asbestos Abatement And Disposal	2.29	
02 82 00 00-0088	SF	>10,000 SF, Non-Friable Carpet, Asbestos Abatement And Disposal	1.70	
02 82 00 00-0089		Wall Or Cove Base, Asbestos Abatement And Disposal *(02 82 00 00-0076)*		
		Note: Up to 12".		
02 82 00 00-0090	EA	Up To 10 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	189.01	
02 82 00 00-0091	LF	>10 To 100 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	3.36	
02 82 00 00-0092	LF	>100 To 500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	2.02	
02 82 00 00-0093	LF	>500 To 2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	1.26	
02 82 00 00-0094	LF	>2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	0.88	
02 82 00 00-0095		Mastic, Asbestos Abatement And Disposal *(02 82 00 00-0075)*		
		Note: Applies to single layer or bottom layer only of multiple layers. Non hydrocarbon with pine, citrus or no odor.		
02 82 00 00-0096	EA	Up To 10 SF, Mastic, Asbestos Abatement And Disposal	504.03	
		Note: Applies to bottom layer only if multiple layers.		
02 82 00 00-0097	SF	>10 To 500 SF, Mastic, Asbestos Abatement And Disposal	1.29	
		Note: Applies to bottom layer only if multiple layers.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 00 00-0098	SF	>500 To 2,500 SF, Mastic, Asbestos Abatement And Disposal Note: Applies to bottom layer only if multiple layers.	0.95	
02 82 00 00-0099	SF	>2,500 To 10,000 SF, Mastic, Asbestos Abatement And Disposal Note: Applies to bottom layer only if multiple layers.	0.73	
02 82 00 00-0100	SF	>10,000 SF, Mastic, Asbestos Abatement And Disposal Note: Applies to bottom layer only if multiple layers.	0.59	
02 82 00 00-0101		Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal *(02 82 00 00-0075)* Note: Includes finish wood, asbestos barrier paper, cleanup of sub-wood floor, fasteners, wood fillers and protection of clean crawl space from contamination.		
02 82 00 00-0102	EA	Up To 10 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	504.03	
02 82 00 00-0103	SF	>10 To 500 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	5.95	
02 82 00 00-0104	SF	>500 To 2,500 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	4.35	
02 82 00 00-0105	SF	>2,500 To 10,000 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	3.40	
02 82 00 00-0106	SF	>10,000 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	2.64	
02 82 00 00-0107		Roofing, Asbestos Abatement And Disposal *(02 82)*		
02 82 00 00-0108		Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal *(02 82 00 00-0107)* Note: Includes paint, flashing, sheet metal, insulation, pitch pockets, board etc.		
02 82 00 00-0109		Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal *(02 82 00 00-0108)*		
02 82 00 00-0110	EA	Up To 125 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	504.03	
02 82 00 00-0111	SF	>125 To 1,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	4.03	
02 82 00 00-0112	SF	>1,000 To 5,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	3.22	
02 82 00 00-0113	SF	>5,000 To 10,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	2.58	
02 82 00 00-0114	SF	>10,000 To 20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	1.93	
02 82 00 00-0115	SF	>20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	1.45	
02 82 00 00-0116		>2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal *(02 82 00 00-0108)*		
02 82 00 00-0117	EA	Up To 110 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	504.03	
02 82 00 00-0118	SF	>110 To 1,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	4.59	
02 82 00 00-0119	SF	>1,000 To 5,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	3.65	
02 82 00 00-0120	SF	>5,000 To 10,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	2.94	
02 82 00 00-0121	SF	>10,000 To 20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	2.21	
02 82 00 00-0122	SF	>20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	1.65	
02 82 00 00-0123		>5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal *(02 82 00 00-0108)*		
02 82 00 00-0124	EA	Up To 110 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	504.03	
02 82 00 00-0125	SF	>110 To 1,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	5.09	
02 82 00 00-0126	SF	>1,000 To 5,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	4.06	
02 82 00 00-0127	SF	>5,000 To 10,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	3.26	
02 82 00 00-0128	SF	>10,000 To 20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	2.45	
02 82 00 00-0129	SF	>20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	1.84	
02 82 00 00-0130		Shingles And Felt Roofing, Asbestos Abatement And Disposal *(02 82 00 00-0107)*		
02 82 00 00-0131		Shingles And Felt Roofing, Asbestos Abatement And Disposal *(02 82 00 00-0130)*		
02 82 00 00-0132	EA	Up To 125 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	504.03	
02 82 00 00-0133	SF	>125 To 1,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	4.03	
		For Each Additional Layer, Add	*1.01*	
02 82 00 00-0134	SF	>1,000 To 5,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	3.22	
		For Each Additional Layer, Add	*0.81*	
02 82 00 00-0135	SF	>5,000 To 10,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	2.58	
		For Each Additional Layer, Add	*0.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 00 00-0136	SF	>10,000 To 20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	1.93	
		For Each Additional Layer, Add	*0.48*	
02 82 00 00-0137	SF	>20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	1.45	
		For Each Additional Layer, Add	*0.36*	
02 82 00 00-0138		Roof Penetration Mastic, Asbestos Abatement And Disposal *(02 82 00 00-0107)*		
02 82 00 00-0139	EA	Up To 10 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	126.01	
02 82 00 00-0140	SF	>10 To 50 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	1.58	
02 82 00 00-0141	SF	>50 To 100 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	1.29	
02 82 00 00-0142	SF	>100 To 250 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	1.04	
02 82 00 00-0143	SF	>250 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	0.75	
02 82 00 00-0144		Roof Curb Mastic, Asbestos Abatement And Disposal *(02 82 00 00-0107)*		
02 82 00 00-0145	EA	Up To 10 SF, Roof Curb Mastic, Asbestos Abatement And Disposal	126.01	
02 82 00 00-0146	LF	>10 To 20 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	4.72	
02 82 00 00-0147	LF	>20 To 50 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	3.78	
02 82 00 00-0148	LF	>50 To 150 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	3.15	
02 82 00 00-0149	LF	>150 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	2.27	
02 82 00 00-0150		Asbestos-Cement Products, Asbestos Abatement And Disposal *(02 82)*		
02 82 00 00-0151		Interior Asbestos-Cement Board, Asbestos Abatement And Disposal *(02 82 00 00-0150)* Note: Includes detachment of mounted objects before removal.		
02 82 00 00-0152	EA	Up To 10 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	504.03	
02 82 00 00-0153	SF	>10 To 500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	5.15	
02 82 00 00-0154	SF	>500 To 2,500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	2.58	
02 82 00 00-0155	SF	>2,500 To 10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	2.06	
02 82 00 00-0156	SF	>10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	1.79	
02 82 00 00-0157		Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal *(02 82 00 00-0150)*		
02 82 00 00-0158	EA	Up To 10 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	504.03	
02 82 00 00-0159	SF	>10 To 500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	4.48	
02 82 00 00-0160	SF	>500 To 2,500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	2.29	
02 82 00 00-0161	SF	>2,500 To 10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	1.84	
02 82 00 00-0162	SF	>10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	1.59	
02 82 00 00-0163		Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal *(02 82 00 00-0150)*		
02 82 00 00-0164	EA	Up To 10 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	504.03	
02 82 00 00-0165	LF	>10 To 100 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	25.77	
02 82 00 00-0166	LF	>100 To 250 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	19.33	
02 82 00 00-0167	LF	>250 To 500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	14.50	
02 82 00 00-0168	LF	>500 To 2,500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	10.88	
02 82 00 00-0169	LF	>2,500 To 10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	8.15	
02 82 00 00-0170	LF	>10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	7.97	
02 82 00 00-0171		Exterior Transite Siding, Asbestos Abatement And Disposal *(02 82 00 00-0150)*		
02 82 00 00-0172	EA	Up To 125 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	504.03	
02 82 00 00-0173	SF	>125 To 1,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	4.03	
02 82 00 00-0174	SF	>1,000 To 5,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	3.22	
02 82 00 00-0175	SF	>5,000 To 10,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	2.58	
02 82 00 00-0176	SF	>10,000 To 20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	1.93	
02 82 00 00-0177	SF	>20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	1.45	
02 82 00 00-0178		Asbestos Contaminated Debris, Asbestos Abatement And Disposal *(02 82)*		
02 82 00 00-0179		Asbestos Contaminated Debris, Asbestos Abatement And Disposal *(02 82 00 00-0178)*		
02 82 00 00-0180	EA	Up To 10 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	504.03	
		For Work In Restricted Working Space, Add	*151.21*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 00 00-0181	CF	>10 To 100 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	50.12	
		For Work In Restricted Working Space, Add	*15.04*	
02 82 00 00-0182	CF	>100 To 250 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	33.41	
		For Work In Restricted Working Space, Add	*10.02*	
02 82 00 00-0183	CF	>250 To 500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	25.10	
		For Work In Restricted Working Space, Add	*7.53*	
02 82 00 00-0184	CF	>500 To 2,500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	20.05	
		For Work In Restricted Working Space, Add	*6.02*	
02 82 00 00-0185	CF	>2,500 To 10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	17.04	
		For Work In Restricted Working Space, Add	*5.11*	
02 82 00 00-0186	CF	>10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	15.33	
		For Work In Restricted Working Space, Add	*4.60*	

02 82 00 00-0187 Asbestos Contaminated Soil, Asbestos Abatement And Disposal *(02 82 00 00-0178)*

02 82 00 00-0188	EA	Up To 10 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	724.54	
		For Work In Restricted Working Space, Add	*217.36*	
02 82 00 00-0189	CF	>10 To 100 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	50.12	
		For Work In Restricted Working Space, Add	*15.04*	
02 82 00 00-0190	CF	>100 To 250 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	33.41	
		For Work In Restricted Working Space, Add	*10.02*	
02 82 00 00-0191	CF	>250 To 500 CF, Asbestos Contaminated Asbestos Abatement And Disposal	25.10	
02 82 00 00-0192	CF	>500 To 2,500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	20.05	
		For Work In Restricted Working Space, Add	*6.02*	
02 82 00 00-0193	CF	>2,500 To 10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	17.04	
		For Work In Restricted Working Space, Add	*5.11*	
02 82 00 00-0194	CF	>10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	15.33	
		For Work In Restricted Working Space, Add	*4.60*	

02 82 00 00-0195 Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal *(02 82 00 00-0178)*

02 82 00 00-0196	EA	Up To 4 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	504.03	
02 82 00 00-0197	EA	>4 To 40 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	45.10	
02 82 00 00-0198	EA	>40 To 60 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	30.07	
02 82 00 00-0199	EA	>60 To 125 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	22.58	
02 82 00 00-0200	EA	>125 To 625 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	18.04	
02 82 00 00-0201	EA	>625 To 1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	15.33	
02 82 00 00-0202	EA	>1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	13.80	

02 82 00 00-0203 Other Asbestos Containing Materials, Asbestos Abatement And Disposal *(02 82)*

02 82 00 00-0204 30" To 36" Fire Door, Asbestos Abatement And Disposal *(02 82 00 00-0203)*

02 82 00 00-0205	EA	Up To 5 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	100.80	
02 82 00 00-0206	EA	>5 To 20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	38.66	
02 82 00 00-0207	EA	>20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	25.77	

02 82 00 00-0208 HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal *(02 82 00 00-0203)*

02 82 00 00-0209	EA	Up To 10 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	252.02	
02 82 00 00-0210	LF	>10 To 50 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	5.15	
02 82 00 00-0211	LF	>50 To 100 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	3.87	
02 82 00 00-0212	LF	>100 To 250 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	3.33	
02 82 00 00-0213	LF	>250 To 1,000 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	2.86	
02 82 00 00-0214	LF	>1,000 To 2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	2.45	
02 82 00 00-0215	LF	>2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	2.12	

02 82 00 00-0216 Grout, Asbestos Abatement And Disposal *(02 82 00 00-0203)*

Note: e.g. flue grout.

02 82 00 00-0217	EA	Up To 10 LF, Grout, Asbestos Abatement And Disposal	189.01	
02 82 00 00-0218	LF	>10 To 50 LF, Grout, Asbestos Abatement And Disposal	9.92	
02 82 00 00-0219	LF	>50 To 100 LF, Grout, Asbestos Abatement And Disposal	6.83	
02 82 00 00-0220	LF	>100 To 250 LF, Grout, Asbestos Abatement And Disposal	5.85	
02 82 00 00-0221	LF	>250 To 1,000 LF, Grout, Asbestos Abatement And Disposal	5.03	
02 82 00 00-0222	LF	>1,000 To 2,500 LF, Grout, Asbestos Abatement And Disposal	4.33	
02 82 00 00-0223	LF	>2,500 LF, Grout, Asbestos Abatement And Disposal	3.72	

02 82 00 00-0224 Gaskets, Asbestos Abatement And Disposal *(02 82 00 00-0203)*

Note: e.g. rope, web cloth, flat.

02 82 00 00-0225	EA	Up To 10 LF, Gaskets, Asbestos Abatement And Disposal	189.01	
02 82 00 00-0226	LF	>10 To 50 LF, Gaskets, Asbestos Abatement And Disposal	13.37	
02 82 00 00-0227	LF	>50 To 250 LF, Gaskets, Asbestos Abatement And Disposal	10.02	
02 82 00 00-0228	LF	>250 To 500 LF, Gaskets, Asbestos Abatement And Disposal	8.54	
02 82 00 00-0229	LF	>500 To 1,500 LF, Gaskets, Asbestos Abatement And Disposal	7.69	
02 82 00 00-0230	LF	>1,500 To 2,500 LF, Gaskets, Asbestos Abatement And Disposal	6.91	
02 82 00 00-0231	LF	>2,500 LF, Gaskets, Asbestos Abatement And Disposal	6.57	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 00 00-0232		**Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal** *(02 82 00 00-0203)*		
		Note: e.g. grid, spline, or glued on; 12" x 12" to 2' x 4'.		
02 82 00 00-0233	EA	Up To 50 SF, Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal	504.03	
02 82 00 00-0234	SF	>50 To 1,000 SF, Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal	10.71	
02 82 00 00-0235	SF	>1,000 To 2,500 SF, Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal	5.15	
02 82 00 00-0236	SF	>2,500 To 10,000 SF, Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal	3.48	
02 82 00 00-0237	SF	>10,000 SF, Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal	2.96	
02 82 00 00-0238		**Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal** *(02 82 00 00-0203)*		
		Note: Includes ceiling tile, asbestos barrier paper, and furring strips.		
02 82 00 00-0239	EA	Up To 50 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	504.03	
02 82 00 00-0240	SF	>50 To 1,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	10.71	
02 82 00 00-0241	SF	>1,000 To 2,500 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	5.15	
02 82 00 00-0242	SF	>2,500 To 10,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	3.48	
02 82 00 00-0243	SF	>10,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	2.96	
02 82 00 00-0244		**Caulking, Asbestos Abatement And Disposal** *(02 82 00 00-0203)*		
02 82 00 00-0245		**Caulking, Asbestos Abatement And Disposal** *(02 82 00 00-0244)*		
02 82 00 00-0246	EA	Up To 10 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal	189.01	
02 82 00 00-0247	LF	>10 To 50 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal	7.43	
02 82 00 00-0248	LF	>50 To 100 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal	5.24	
02 82 00 00-0249	LF	>100 To 250 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal	3.90	
02 82 00 00-0250	LF	>250 To 1,000 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal	2.93	
02 82 00 00-0251	LF	>1,000 To 2,500 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal	2.32	
02 82 00 00-0252	LF	>2,500 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal	2.01	
02 82 00 00-0253		**Asbestos Encapsulation (Lock-Down)** *(02 82)*		
02 82 00 00-0254	SF	Asbestos Encapsulant Spray Adhesive (Lock-Down), Per Coat	1.09	
02 82 00 00-0255	SF	Asbestos Binding Compound Encapsulant/Sealant, Per Coat Required (Fiberlock® ABC® Asbestos Binding Compound)	1.57	
02 82 00 00-0256	SF	Asbestos Fiberspray Encapsulation (Fiberlock® ABC Fiberspray®)	1.49	
02 82 00 00-0257	SF	Asbestos Acrylic Encasement/Encapsulation (Fiberlock® Lag-Kote®)	1.70	
02 82 00 00-0258	SF	Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kwik®)	4.77	
02 82 00 00-0259	SF	Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kloth®)	5.32	
02 82 00 00-0260		**Air Monitoring And Bulk Sampling, Asbestos Testing** *(02 82)*		
		Note: Testing tasks include packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Polarizing Light Microscope (PLM), Phase Contrast Microscope (PCM), and Transmission Electron Microscope (TEM). Excludes sampling time.		
02 82 00 00-0261	HR	Bulk Sampling Or Air Monitoring, Asbestos Testing	60.79	
02 82 00 00-0262	EA	(Bulk) PCM Test, Asbestos Testing	7.79	
02 82 00 00-0263	EA	(Bulk) PCM Test, 24 Hour Turnaround, Asbestos Testing	9.73	
02 82 00 00-0264	EA	(Bulk) PCM Test, Rush Turnaround, Asbestos Testing	11.68	
02 82 00 00-0265	EA	(Bulk Point Counting) PLM Test, Asbestos Testing	15.57	
02 82 00 00-0266	EA	(Bulk Point Counting) PLM Test, 24 Hour Turnaround, Asbestos Testing	19.46	
02 82 00 00-0267	EA	(Bulk Point Counting) PLM Test, Rush Turnaround, Asbestos Testing	23.36	
02 82 00 00-0268	EA	(Bulk) TEM Test, Asbestos Testing	46.71	
02 82 00 00-0269	EA	(Bulk) TEM Test, 24 Hour Turnaround, Asbestos Testing	50.60	
02 82 00 00-0270	EA	(Air) PCM Test, Asbestos Testing	8.17	
02 82 00 00-0271	EA	(Air) PCM Test, 24 Hour Turnaround, Asbestos Testing	8.75	
02 82 00 00-0272	EA	(Air) PCM Test, Rush Turnaround, Asbestos Testing	9.34	
02 82 00 00-0273	EA	(Air) TEM Test, Asbestos Testing	46.71	
02 82 00 00-0274	EA	(Air) TEM Test, 24 Hour Turnaround, Asbestos Testing	50.60	
02 82 00 00-0275	EA	(Air) TEM Test, Rush Turnaround, Asbestos Testing	62.28	

02 83 Lead Remediation *(02 80)*

Note: Tasks include materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, vacuuming, transportation for up to 25 miles, disposal, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete removal and disposal of lead contaminated materials in accordance with EPA and local regulations. Where types of Lead are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. See CSI section 01 74 19 00-0038 for hauling in excess of 25 miles to transfer or disposal site, 02 81 00 00-0001 for transportation and disposal of hazardous material into approved faculity., 02 89 00 00-0002 for solid isolation barriers, 02 89 00 00-0012 for plastic sheeting for containment construction, 02 89 00 00-0019 for decontamination chambers.

02 83 19 Lead-Based Paint Remediation *(02 83)*

02 83 19 13 Lead-Based Paint Abatement *(02 83 19)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0001		**Sampling And Testing** *(02 83 19 13)* Note: Includes taking sample, delivery to lab and lab fee.		
02 83 19 13-0002	EA	X-Ray Fluorescence (XRF) Lead Testing Including Technician, 3 Readings Per Surface	36.25	
02 83 19 13-0003	EA	Toxicity Characteristic Leaching Procedure (TCLP) Lead Test (5 Day Turnaround) And Lab Fee	34.71	
02 83 19 13-0004	EA	Toxicity Characteristic Leaching Procedure (TCLP) Lead Test (48 Hour Turnaround) And Lab Fee	52.58	
02 83 19 13-0005	EA	Toxicity Characteristic Leaching Procedure (TCLP) Lead Test (24 Hour Turnaround) And Lab Fee	73.62	
02 83 19 13-0006	EA	Total Threshold Leaching Concentration (TTLC) Lead Test (5 Day Turnaround) And Lab Fee	13.67	
02 83 19 13-0007	EA	Total Threshold Leaching Concentration (TTLC) Lead Test (24 Hour Turnaround) And Lab Fee	21.03	
02 83 19 13-0008	EA	Total Threshold Leaching Concentration (TTLC) Lead Test (8 Hour Turnaround) And Lab Fee	26.29	
02 83 19 13-0009	EA	Soluble Threshold Limit Concentration (STLC) Lead Test (5 Day Turnaround) And Lab Fee	34.71	
02 83 19 13-0010	EA	Soluble Threshold Limit Concentration (STLC) Lead Test (3 Day Turnaround) And Lab Fee	52.58	
02 83 19 13-0011	EA	Lead Wipe Samples (5 Day Turnaround) And Lab Fee	5.78	
02 83 19 13-0012	EA	Lead Wipe Samples (24 Hour Turnaround) And Lab Fee	7.89	
02 83 19 13-0013	EA	Lead Wipe Samples (8 Hour Turnaround) And Lab Fee	11.57	
02 83 19 13-0014	EA	Lead Air Samples (5 Day Turn -Around) And Lab Fee	5.78	
02 83 19 13-0015	EA	Lead Air Samples (24 Hour Turnaround) And Lab Fee	7.89	
02 83 19 13-0016	EA	Lead Air Samples (8 Hour Turnaround) And Lab Fee	11.57	
02 83 19 13-0017	EA	Lead Water Test (5 Day Turnaround) and Lab Fee	21.03	
02 83 19 13-0018	EA	Lead Water Test (24 Hour Turnaround) and Lab Fee	31.55	
02 83 19 13-0019	EA	Lead Water Test (8 Hour Turnaround) and Lab Fee	42.07	
02 83 19 13-0020	EA	Lead Paint Chip Test (5 Day Turnaround) and Lab Fee	21.75	
02 83 19 13-0021	EA	Lead Soil Test (5 Day Turnaround) and Lab Fee	43.50	
02 83 19 13-0022	EA	Sample Pickup, Per Trip	31.55	
02 83 19 13-0023		**Minimum Charge For Lead-Based Paint Remediation** *(02 83 19 13)*		
02 83 19 13-0024	EA	Lead-Based Paint Remediation Minimum Show Up Charge Note: For projects where the total lead-based paint remediation charge is less than the minimum charge, use task "Minimum Charge For Lead-Based Paint Remediation" exclusively. Task "Minimum Charge For Lead-Based Paint Remediation" should not be used in conjunction with any other tasks in this section. Includes air sample and personal air monitoring.	784.84	
02 83 19 13-0025		**Chemical Stripping Of Lead Contaminated Material** *(02 83 19 13)* Note: Per 0.02" (20 mils) application. Manufacture recommended operating temperatures not to be below 50 degrees. Includes heat gun (where required) for follow up, waste handling, packing and all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.		
02 83 19 13-0026	SF	Balustrades, Simple, Chemical Stripping Of Lead Contaminated Material	24.91	
02 83 19 13-0027	SF	Balustrades, Ornate, Chemical Stripping Of Lead Contaminated Material	37.23	
02 83 19 13-0028	LF	Up To 6" Wide Baseboard, Chemical Stripping Of Lead Contaminated Material	10.59	
02 83 19 13-0029	LF	>6" To 12" Wide Baseboard, Chemical Stripping Of Lead Contaminated Material	22.01	
02 83 19 13-0030	SF	Brick, Concrete Block, Concrete, Chemical Stripping Of Lead Contaminated Material	6.87	
02 83 19 13-0031	SF	Cabinets, Ornate, Chemical Stripping Of Lead Contaminated Material	26.70	
02 83 19 13-0032	SF	Cabinets, Simple Design, Chemical Stripping Of Lead Contaminated Material	20.85	
02 83 19 13-0033	SF	Ceilings, All, Chemical Stripping Of Lead Contaminated Material	9.66	
02 83 19 13-0034	SF	Columns, Chemical Stripping Of Lead Contaminated Material	9.14	
02 83 19 13-0035	SF	Cornice, Simple, Chemical Stripping Of Lead Contaminated Material	11.31	
02 83 19 13-0036	SF	Cornice, Ornate, Chemical Stripping Of Lead Contaminated Material	33.12	
02 83 19 13-0037	SF	Doors, One Side Flush, Chemical Stripping Of Lead Contaminated Material	8.11	
02 83 19 13-0038	SF	Doors, One Panel, Chemical Stripping Of Lead Contaminated Material	8.47	
02 83 19 13-0039	SF	Doors, Four Panel, Chemical Stripping Of Lead Contaminated Material	14.93	
02 83 19 13-0040	EA	Electrical Devices, Chemical Stripping Of Lead Contaminated Material	109.95	
02 83 19 13-0041	LF	Trim Or Frames, One Side, Chemical Stripping Of Lead Contaminated Material	10.54	
02 83 19 13-0042	LF	Up To 2" Electrical Conduit, Chemical Stripping Of Lead Contaminated Material	4.55	
02 83 19 13-0043	SF	Fence, Picket, Chemical Stripping Of Lead Contaminated Material	22.37	
02 83 19 13-0044	SF	Floors, Wood, Chemical Stripping Of Lead Contaminated Material	5.58	
02 83 19 13-0045	SF	Grilles, Ornate, Chemical Stripping Of Lead Contaminated Material	26.70	
02 83 19 13-0046	SF	Grilles, Simple, Chemical Stripping Of Lead Contaminated Material	22.32	
02 83 19 13-0047	EA	Hinges, Chemical Stripping Of Lead Contaminated Material	13.56	
02 83 19 13-0048	EA	Up To 6" Diameter Hangers, Chemical Stripping Of Lead Contaminated Material	16.87	
02 83 19 13-0049	LF	Up To 4" Diameter Pipes (Brush), Chemical Stripping Of Lead Contaminated Material	7.52	
02 83 19 13-0050	LF	>4" To 8" Diameter Pipes (Brush), Chemical Stripping Of Lead Contaminated Material	13.51	
02 83 19 13-0051	LF	>8" To 12" Diameter Pipes (Brush), Chemical Stripping Of Lead Contaminated Material	18.61	
02 83 19 13-0052	LF	>12" To 16" Diameter Pipes (Brush), Chemical Stripping Of Lead Contaminated Material	33.58	
02 83 19 13-0053	SF	>16" Diameter Pipes (Brush), Chemical Stripping Of Lead Contaminated Material, SF Of Surface Area	10.10	
02 83 19 13-0054	EA	Up To 12 SF Radiators, Chemical Stripping Of Lead Contaminated Material	202.40	
02 83 19 13-0055	EA	Shutters Front And Back Louvered, Up To 6', Chemical Stripping Of Lead Contaminated Material	226.62	
02 83 19 13-0056	EA	Shutters Flat, Chemical Stripping Of Lead Contaminated Material	166.15	
02 83 19 13-0057	SF	Siding, Chemical Stripping Of Lead Contaminated Material	7.63	
02 83 19 13-0058	SF	Soffit, Chemical Stripping Of Lead Contaminated Material	16.78	
02 83 19 13-0059	SF	Steel, Flat Surfaces And Tanks Up To 12', Chemical Stripping Of Lead Contaminated Material	7.47	
02 83 19 13-0060	SF	Steel Beams, Chemical Stripping Of Lead Contaminated Material	8.51	
02 83 19 13-0061	SF	Trusses, Chemical Stripping Of Lead Contaminated Material	12.26	
02 83 19 13-0062	SF	Walls, Wood, Chemical Stripping Of Lead Contaminated Material	8.51	
02 83 19 13-0063	SF	Windows, One Side, 1/1 Light, Chemical Stripping Of Lead Contaminated Material	20.22	
02 83 19 13-0064	SF	Windows, One Side, 2/2 Light, Chemical Stripping Of Lead Contaminated Material	22.18	
02 83 19 13-0065	SF	Windows, One Side, 4/4 Light, Chemical Stripping Of Lead Contaminated Material	23.50	
02 83 19 13-0066	SF	Windows, One Side, 6/6 Light, Chemical Stripping Of Lead Contaminated Material	24.83	
02 83 19 13-0067	SF	Windows, One Side, 8/8 Light Chemical Stripping Of Lead Contaminated Material	26.15	
02 83 19 13-0068	SF	Windows, One Side, 10/10 Light, Chemical Stripping Of Lead Contaminated Material	27.53	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0069	SF	Windows, One Side, 12/12 light Chemical Stripping Of Lead Contaminated Material	28.81	
02 83 19 13-0070	SF	Windows, One Side, 14/14 Light, Chemical Stripping Of Lead Contaminated Material	29.48	
02 83 19 13-0071	SF	Windows, One Side, 16/16 Light Chemical Stripping Of Lead Contaminated Material	30.15	
02 83 19 13-0072	SF	Windows, One Side, 20/20 Light, Chemical Stripping Of Lead Contaminated Material	30.79	
02 83 19 13-0073	SF	Metal Stair, Chemical Stripping Of Lead Contaminated Material	40.36	
02 83 19 13-0074	SF	Metal Railing And Posts, Chemical Stripping Of Lead Contaminated Material Note: The unit of measure "SF" is measured for 'Length x Height'. Work includes both sides of railing.	20.29	
02 83 19 13-0075	LF	Ornate Railings, Chemical Stripping Of Lead Contaminated Material	6.81	

02 83 19 13-0076 Demolish Lead Contaminated Material *(02 83 19 13)*

Note: Includes waste handling, packing, all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.

02 83 19 13-0077	SF	Demolish Ceiling Including Suspension System, Plaster, Lath, Lead Contaminated Material		1.81
02 83 19 13-0078	SF	Demolish Suspended Acoustical Ceiling System, Including Tile, Lead Contaminated Material		1.06
02 83 19 13-0079	SF	Demolish Acoustical Ceiling Tile, Lead Contaminated Material		0.67
02 83 19 13-0080	SF	Demolish Metal Pan Grid System, Lead Contaminated Material		1.05
02 83 19 13-0081	EA	Demolish Up To 2' x 4' Light Fixtures, Lead Contaminated Material		50.66
02 83 19 13-0082	EA	Demolish >2' x 4' Light Fixtures, Lead Contaminated Material		67.21
02 83 19 13-0083	SF	Demolish Non Load Bearing Partitions, Plaster, Lath And Studs, Lead Contaminated Material		7.51
02 83 19 13-0084	SF	Demolish Non Load Bearing Partitions, Gypsum Board And Studs, Lead Contaminated Material		4.21
02 83 19 13-0085	SF	Remove Lead Paint On Brick Or Concrete Block, Lead Contaminated Material		4.61
02 83 19 13-0086	IN	Drilling, Up To 1/2" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth		3.56
02 83 19 13-0087	IN	Drilling, >1/2" To 1" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth		4.73
02 83 19 13-0088	SF	Demolish Balustrades And Railings, Lead Contaminated Material		5.25
02 83 19 13-0089	LF	Demolish Up To 6" Wide Baseboard, Lead Contaminated Material		1.36
02 83 19 13-0090	LF	Demolish >6" To 12" Wide Baseboard, Lead Contaminated Material		1.71
02 83 19 13-0091	LF	Demolish Base Shoe Molding, Lead Contaminated Material		1.11
02 83 19 13-0092	SF	Demolish Brick, Lead Contaminated Material		3.17
02 83 19 13-0093	SF	Demolish Concrete Block, Lead Contaminated Material		4.07
02 83 19 13-0094	SF	Demolish Concrete, Lead Contaminated Material		10.45
02 83 19 13-0095	LF	Demolish Cabinets, Lead Contaminated Material		24.34
02 83 19 13-0096	SF	Demolish Ceilings, Gypsum Board, Lead Contaminated Material		1.37
02 83 19 13-0097	SF	Demolish Up To 12" Diameter Columns, Lead Contaminated Material		13.49
02 83 19 13-0098	SF	Demolish Cornice, Lead Contaminated Material		1.79
02 83 19 13-0099	EA	Demolish Doors, Lead Contaminated Material		52.80
02 83 19 13-0100	LF	Demolish Door And Window Trim Or Frames, Lead Contaminated Material		1.60
02 83 19 13-0101	EA	Demolish Electrical Devices, Lead Contaminated Material		16.20
02 83 19 13-0102	LF	Demolish Up To 1" Diameter Electrical Conduit, Lead Contaminated Material		2.08
02 83 19 13-0103	LF	Demolish >1" To 2" Diameter Electrical Conduit, Lead Contaminated Material		3.46
02 83 19 13-0104	SF	Demolish Fence, Picket, Lead Contaminated Material		1.99
02 83 19 13-0105	SF	Demolish Wood Floors, Lead Contaminated Material		2.50
02 83 19 13-0106	SF	Demolish Grilles, Lead Contaminated Material		2.94
02 83 19 13-0107	EA	Demolish Hinges, Lead Contaminated Material		5.89
02 83 19 13-0108	EA	Demolish Up To 6" Diameter Hangers, Lead Contaminated Material		12.66
02 83 19 13-0109	LF	Demolish Up To 2" Diameter Pipes, Lead Contaminated Material		5.19
02 83 19 13-0110	LF	Demolish >2" To 4" Diameter Pipes, Lead Contaminated Material		7.57
02 83 19 13-0111	LF	Demolish >4" To 8" Diameter Pipes, Lead Contaminated Material		11.44
02 83 19 13-0112	LF	Demolish >8" To 12" Diameter Pipes, Lead Contaminated Material		21.10
02 83 19 13-0113	EA	Demolish Radiators, Lead Contaminated Material		91.14
02 83 19 13-0114	EA	Demolish Shutters And Louvered, Up To 6', Lead Contaminated Material		35.52
02 83 19 13-0115	SF	Demolish Siding, Lead Contaminated Material		1.41
02 83 19 13-0116	SF	Demolish Up To 12" Wide Soffit, Lead Contaminated Material		1.20
02 83 19 13-0117	SF	Demolish Steel, Flat Surfaces And Tanks Up To 12', Lead Contaminated Material		3.28
02 83 19 13-0118	SF	Demolish Steel Beams, Lead Contaminated Material		3.87
02 83 19 13-0119	SF	Demolish Trusses, Lead Contaminated Material		5.08
02 83 19 13-0120	SF	Demolish Walls, Wood, Lead Contaminated Material		3.75
02 83 19 13-0121	SF	Demolish Windows, Lead Contaminated Material		12.60
02 83 19 13-0122	SF	Demolish Metal Stair, Lead Contaminated Material		6.04
02 83 19 13-0123	LF	Demolish Metal Railing And Posts, Lead Contaminated Material		7.25
02 83 19 13-0124	SF	Demolish Plywood, Lead Contaminated Material		5.45
02 83 19 13-0125	SF	Demolish Planks (Various Sizes), Lead Contaminated Material		2.66
02 83 19 13-0126	SF	Demolish Ceramic Tile, Walls Or Floor, Lead Contaminated Material		3.07
02 83 19 13-0127	EA	Demolish Metal Brackets Or Other Small Metal Shapes, Lead Contaminated Material		16.63
02 83 19 13-0128	SF	Demolish Ceramic Tile Block, Lead Contaminated Material		3.63
02 83 19 13-0129	LF	Demolish Metal Hand Rails, Lead Contaminated Material		4.44
02 83 19 13-0130	LF	Demolish Metal Guard Rails, Lead Contaminated Material		9.98
02 83 19 13-0131	LF	Demolish Roof Metal Trim, Lead Contaminated Material		2.13
02 83 19 13-0132	LF	Demolish Rain Gutters, Lead Contaminated Material		2.33
02 83 19 13-0133	LF	Demolish Downspouts, Lead Contaminated Material		2.33
02 83 19 13-0134	LF	Demolish Roof Metal Flashing, Lead Contaminated Material		2.13
02 83 19 13-0135	LF	Demolish Fascia Board Up To 12", Lead Contaminated Material		5.33
02 83 19 13-0136	SF	Demolish Up To 100 SF Gypsum Wall Board, Lead Contaminated Material		5.33
02 83 19 13-0137	SF	Demolish >100 To 500 SF Gypsum Wall Board, Lead Contaminated Material		3.83
02 83 19 13-0138	SF	Demolish >500 To 2,500 SF Gypsum Wall Board, Lead Contaminated Material		3.00
02 83 19 13-0139	SF	Demolish >2,500 SF Gypsum Wall Board, Lead Contaminated Material		2.33
02 83 19 13-0140	SF	Demolish Up To 100 SF Plaster/Stucco, Lead Contaminated Material		16.63
02 83 19 13-0141	SF	Demolish >100 To 500 SF Plaster/Stucco, Lead Contaminated Material		11.83
02 83 19 13-0142	SF	Demolish >500 To 2,500 SF Plaster/Stucco, Lead Contaminated Material		8.87
02 83 19 13-0143	SF	Demolish >2,500 To 10,000 SF Plaster/Stucco, Lead Contaminated Material		6.65

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0144		Wet Sanding Of Lead Contaminated Material *(02 83 19 13)*		
02 83 19 13-0145	SF	Wet Sand/Scrape Of Lead Contaminated Material For Prep Before New Paint	1.44	
02 83 19 13-0146		Lead Abatement Encapsulation *(02 83 19 13)* Note: Can also be used for asbestos contaminated encapsulation. Spray applied application unless task described otherwise.		
02 83 19 13-0147	SF	Balustrades, Lead Abatement Encapsulation	4.61	
02 83 19 13-0148	LF	Up To 6" Wide, Baseboard, Lead Abatement Encapsulation	5.30	
02 83 19 13-0149	LF	>6" To 12" Wide, Baseboard, Lead Abatement Encapsulation	7.16	
02 83 19 13-0150	SF	Brick, Concrete Block, Concrete, Lead Abatement Encapsulation	2.96	
02 83 19 13-0151	SF	Ornate Cabinets, Lead Abatement Encapsulation	6.66	
02 83 19 13-0152	SF	Simple Design Cabinets, Lead Abatement Encapsulation	5.43	
02 83 19 13-0153	SF	Drywall Ceilings, Lead Abatement Encapsulation	1.86	
02 83 19 13-0154	SF	Wood Ceilings, Lead Abatement Encapsulation	2.26	
02 83 19 13-0155	SF	Acoustical And Popcorn Ceilings, Lead Abatement Encapsulation	2.09	
02 83 19 13-0156	SF	Columns, Lead Abatement Encapsulation	3.58	
02 83 19 13-0157	SF	Doors, Lead Abatement Encapsulation	7.82	
02 83 19 13-0158	LF	Up To 2" Electrical Conduit, Lead Abatement Encapsulation	3.01	
02 83 19 13-0159	SF	Picket Fence (Brush), Lead Abatement Encapsulation	2.15	
02 83 19 13-0160	SF	Wood Floors (Roller), Lead Abatement Encapsulation	1.79	
02 83 19 13-0161	SF	Grilles, Vents, Lead Abatement Encapsulation	4.97	
02 83 19 13-0162	LF	Gutters And Downspouts, Lead Abatement Encapsulation	4.61	
02 83 19 13-0163	EA	Hangers, Lead Abatement Encapsulation	39.14	
02 83 19 13-0164	LF	Up To 4" Diameter Pipe (Brush), Lead Abatement Encapsulation	2.79	
02 83 19 13-0165	LF	>4" To 8" Diameter Pipe (Brush), Lead Abatement Encapsulation	4.02	
02 83 19 13-0166	LF	>8" To 12" Diameter Pipe (Brush), Lead Abatement Encapsulation	6.25	
02 83 19 13-0167	LF	>12" To 16" Diameter Pipe (Brush), Lead Abatement Encapsulation	9.23	
02 83 19 13-0168	EA	Radiators, Lead Abatement Encapsulation	167.80	
02 83 19 13-0169	EA	Up To 6' Shutters, Lead Abatement Encapsulation	144.94	
02 83 19 13-0170	SF	Siding, Lead Abatement Encapsulation	2.56	
02 83 19 13-0171	SF	Up To 12" Soffit, Lead Abatement Encapsulation	3.58	
02 83 19 13-0172	SF	Steel, Flat Surfaces And Tanks Up To 12', Lead Abatement Encapsulation	2.96	
02 83 19 13-0173	SF	Steel Beams And Metal Decks, Lead Abatement Encapsulation	3.88	
02 83 19 13-0174	SF	Trusses, Lead Abatement Encapsulation	3.88	
02 83 19 13-0175	SF	Drywall Walls, Lead Abatement Encapsulation	1.65	
02 83 19 13-0176	SF	Wood Walls, Lead Abatement Encapsulation	2.04	
02 83 19 13-0177	EA	Double Hung Window, Lead Abatement Encapsulation	145.30	
02 83 19 13-0178	EA	Colonial Window, Lead Abatement Encapsulation	170.77	
02 83 19 13-0179	LF	Frames And Trim, Lead Abatement Encapsulation	2.62	
02 83 19 13-0180	LF	Steel Lintels, Lead Abatement Encapsulation	3.02	
02 83 33		**Removal and Disposal of Material Containing Lead** *(02 83)*		
02 83 33 13		**Lead-Based Paint Removal and Disposal** *(02 83 33)*		
02 83 33 13-0001		Remove Loose Dirt And Debris Containing Lead *(02 83 33 13)*		
02 83 33 13-0002	SF	HEPA Vacuum And Wet Clean Lead Contaminated Area With Mild Detergent	0.22	
02 83 33 13-0003	SF	HEPA Vacuum And Wet Clean Lead Contaminated Area With Tri-Sodium Phosphate	0.25	
02 83 33 13-0004	SF	HEPA Vacuum And Shampoo Lead Contaminated Carpeting	1.05	
02 84		Polychlorinate Biphenyl Remediation *(02 80)*		
02 84 16		**Handling Of Lighting Ballasts and Lamps Containing PBCs and Mercury** *(02 84)*		
02 84 16 00-0001		Removal Of TSCA-Exempt PCB And Non-PCB Ballasts From Demolished Fixtures *(02 84 16)* Note: Includes removal of TSCA-exempt PCB and Non-PCB ballast from demolished lighting fixture and placing ballast in an approved container for recycling.		
02 84 16 00-0002	EA	Remove TSCA-Exempt PCB And Non-PCB Ballast From A Demolished Fixture For Recycling	6.60	
02 84 16 00-0003		Recycle TSCA-Exempt PCB And Non-PCB Ballasts *(02 84 16)* Note: Non leaking ballasts. Includes containers, shipping costs and recycling fees. Excludes ballast removal.		
02 84 16 00-0004	EA	Recycle Non-PCB Ballast Removed From Up To 4' Length Fixtures	0.88	
02 84 16 00-0005	EA	Recycle Non-PCB Ballast Removed From >4' To 8' Length Fixtures	1.32	
02 84 16 00-0006	EA	Recycle TSCA-Exempt PCB Ballast Removed From Up To 4' Length Fixtures	4.09	
02 84 16 00-0007	EA	Recycle TSCA-Exempt PCB Ballast Removed From >4' To 8' Length Fixtures	9.35	
02 84 16 00-0008		Disposal Of Leaking PCB And Non-PCB Ballasts *(02 84 16)* Note: Disposal at an EPA approved facility. Includes containers, shipping costs and disposal fees. Excludes ballast removal.		
02 84 16 00-0009	EA	Dispose Of Leaking Non-PCB Ballast Removed From Up To 4' Length Fixtures	2.19	
02 84 16 00-0010	EA	Dispose Of Leaking Non-PCB Ballast Removed From >4' To 8' Length Fixtures	3.29	
02 84 16 00-0011	EA	Dispose Of Leaking PCB Ballast Removed From Up To 4' Length Fixtures	6.14	
02 84 16 00-0012	EA	Dispose Of Leaking PCB Ballast Removed From >4' To 8' Length Fixtures	14.03	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

02 84 33 Removal and Disposal of Polychlorinate Biphenyls *(02 84)*

02 84 33 00-0001 Removal And Disposal Of Polychlorinate Biphenyls Oil Filled Transformers *(02 84 33)*

Note: Includes disposal in approved container, rigging, manifesting, hauling, etc.

02 84 33 00-0002	EA	Removal And Disposal Of Transformers 2.5/3.5 KVA, Non PCB Note: Includes disposal costs.	1,614.27
02 84 33 00-0003	EA	Removal And Disposal Of Transformers 20 KVA, Non PCB Note: Includes disposal costs.	2,507.56
02 84 33 00-0004	EA	Removal And Disposal Of Switch, Non PCB	761.19
02 84 33 00-0005	EA	Removal And Disposal Of Transformers 2.5/3.5 KVA, PCB Note: Includes disposal costs.	2,946.36
02 84 33 00-0006	EA	Removal And Disposal Of Switch, PCB	1,632.29
02 84 33 00-0007	EA	Removal And Disposal Of Transformers 20 KVA, PCB Note: Includes disposal costs.	4,601.25

02 85 Mold Remediation *(02 80)*

Note: All unit pricing in this section includes: materials, equipment, mobilization, preparation, removal, clean-up, vacuuming, transportation for up to 25 miles, disposal, monitoring (personnel and air), sampling/testing, fees, documentation and other associated costs necessary for the complete removal and disposal of mold in accordance with EPA, OSHA, IICRC standards and local regulations. Where types of Mold are listed by quantity, the quantity of the entire project, not a particular work area of building, is to be used in determining which task applies. See CSI section 01 74 19 00-0038 for hauling in excess of 25 miles to transfer or disposal site, 02 81 00 00-0000 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0002 for solid isolation barriers, 02 89 00 00-0012 for plastic sheeting for containment construction, 02 89 00 00-0019 for decontamination chambers.

02 85 00 00-0001 Pipe And Pipe Fittings Insulation, Mold Abatement And Disposal *(02 85)*

Note: Treat fittings as additional lf of insulation.

02 85 00 00-0002 Pipe Insulation, Mold Abatement And Disposal *(02 85 00 00-0001)*

Note: Diameter is outer size of insulation.

02 85 00 00-0003 Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal *(02 85 00 00-0002)*

Note: Excludes encased fittings.

02 85 00 00-0004	LF	Up To 25 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	26.12
02 85 00 00-0005	LF	>25 To 250 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	19.49
02 85 00 00-0006	LF	>250 To 500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	14.62
02 85 00 00-0007	LF	>500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	10.96
02 85 00 00-0008	LF	>2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	8.23
02 85 00 00-0009	LF	>10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	7.15

02 85 00 00-0010 >6" Diameter Pipe Insulation, Mold Abatement And Disposal *(02 85 00 00-0002)*

02 85 00 00-0011	LF	Up To 25 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	30.04
02 85 00 00-0012	LF	>25 To 250 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	22.41
02 85 00 00-0013	LF	>250 To 500 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	16.81
02 85 00 00-0014	LF	>500 To 2,500 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal	12.61
02 85 00 00-0015	LF	>2,500 To 10,000 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	9.45
02 85 00 00-0016	LF	>10,000 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal	8.23

02 85 00 00-0017 Thermal Insulation, Mold Abatement And Disposal *(02 85)*

02 85 00 00-0018 Other Thermal Insulation, Up To 3" Thick, Mold Abatement And Disposal *(02 85 00 00-0017)*

02 85 00 00-0019	SF	Up To 50 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	15.75
02 85 00 00-0020	SF	>50 To 500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	11.20
02 85 00 00-0021	SF	>500 To 2,500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	8.40
02 85 00 00-0022	SF	>2,500 To 10,000 SF, Up To 3" Thick Other Thermal Insulation, Mold Abatement And Disposal	6.30
02 85 00 00-0023	SF	>10,000 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	4.83

02 85 00 00-0024 Surfacing Material, Mold Abatement And Disposal *(02 85)*

Note: e.g. fireproofing, acoustical plaster, etc.

02 85 00 00-0025 Stucco, Mold Abatement And Disposal *(02 85 00 00-0024)*

Note: Remove surface coat from brown coat or remove entire assembly, including lath.

02 85 00 00-0026	SF	Up To 100 SF, Stucco, Mold Abatement And Disposal	15.75
02 85 00 00-0027	SF	>100 To 500 SF, Stucco, Mold Abatement And Disposal	11.20
02 85 00 00-0028	SF	>500 To 2,500 SF, Stucco, Mold Abatement And Disposal	8.40
02 85 00 00-0029	SF	>2,500 To 10,000 SF, Stucco, Mold Abatement And Disposal	6.30
02 85 00 00-0030	SF	>10,000 SF, Stucco, Mold Abatement And Disposal	4.74

02 85 00 00-0031 Acoustical Plaster, Mold Abatement And Disposal *(02 85 00 00-0024)*

Note: Remove surface coat from brown coat or remove entire assembly, including lath.

02 85 00 00-0032	SF	Up To 100 SF, Acoustical Plaster, Mold Abatement And Disposal	15.75
02 85 00 00-0033	SF	>100 To 500 SF, Acoustical Plaster, Mold Abatement And Disposal	11.20
02 85 00 00-0034	SF	>500 To 2,500 SF, Acoustical Plaster, Mold Abatement And Disposal	8.40
02 85 00 00-0035	SF	>2,500 To 10,000 SF, Acoustical Plaster, Mold Abatement And Disposal	6.30
02 85 00 00-0036	SF	>10,000 SF, Acoustical Plaster, Mold Abatement And Disposal	4.74

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 85 00 00-0037		**Gypsum Board, Mold Abatement And Disposal** *(02 85 00 00-0024)*		
02 85 00 00-0038	SF	Up To 100 SF, Gypsum Board, Mold Abatement And Disposal	5.04	
02 85 00 00-0039	SF	>100 To 500 SF, Gypsum Board, Mold Abatement And Disposal	3.62	
02 85 00 00-0040	SF	>500 To 2,500 SF, Gypsum Board, Mold Abatement And Disposal	2.84	
02 85 00 00-0041	SF	>2,500 To 10,000 SF, Gypsum Board, Mold Abatement And Disposal	2.20	
02 85 00 00-0042	SF	>10,000 SF, Gypsum Board, Mold Abatement And Disposal	1.58	
02 85 00 00-0043		**Fireproofing, Mold Abatement And Disposal** *(02 85 00 00-0024)*		
		Note: Exposed surface area, includes associated overspray.		
02 85 00 00-0044	SF	Up To 100 SF, Fireproofing, Mold Abatement And Disposal	15.75	
02 85 00 00-0045	SF	>100 To 500 SF, Fireproofing, Mold Abatement And Disposal	15.43	
02 85 00 00-0046	SF	>500 To 2,500 SF, Fireproofing, Mold Abatement And Disposal	11.60	
02 85 00 00-0047	SF	>2,500 To 10,000 SF, Fireproofing, Mold Abatement And Disposal	8.70	
02 85 00 00-0048	SF	>10,000 SF, Fireproofing, Mold Abatement And Disposal	6.52	
02 85 00 00-0049		**Flooring, Mold Abatement And Disposal** *(02 85)*		
		Note: Includes cove base.		
02 85 00 00-0050		**Floor Tile Or Linoleum, Mold Abatement And Disposal** *(02 85 00 00-0049)*		
02 85 00 00-0051		**Floor Tile Or Linoleum, Mold Abatement And Disposal** *(02 85 00 00-0050)*		
		Note: Single layer or first of multiple layers.		
02 85 00 00-0052	SF	Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	5.72	
		For Each Additional Layer, Add	*1.43*	
02 85 00 00-0053	SF	>100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	3.60	
		For Each Additional Layer, Add	*0.90*	
02 85 00 00-0054	SF	>500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	1.94	
		For Each Additional Layer, Add	*0.49*	
02 85 00 00-0055	SF	>2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	1.05	
		For Each Additional Layer, Add	*0.26*	
02 85 00 00-0056	SF	>10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	0.77	
		For Each Additional Layer, Add	*0.19*	
02 85 00 00-0057		**Carpet, Mold Abatement And Disposal** *(02 85 00 00-0049)*		
02 85 00 00-0058		**Carpet, Glue Down, Mold Abatement And Disposal** *(02 85 00 00-0057)*		
02 85 00 00-0059	SF	Up To 100 SF, Carpet, Glue Down, Mold Abatement And Disposal	4.59	
02 85 00 00-0060	SF	>100 To 500 SF, Carpet, Glue Down, Mold Abatement And Disposal	2.96	
02 85 00 00-0061	SF	>500 To 2,500 SF, Carpet, Glue Down, Mold Abatement And Disposal	1.80	
02 85 00 00-0062	SF	>2,500 To 10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal	1.15	
02 85 00 00-0063	SF	>10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal	0.84	
02 85 00 00-0064		**Carpet, Padded With Tack Strips, Mold Abatement And Disposal** *(02 85 00 00-0057)*		
02 85 00 00-0065	SF	Up To 100 SF, Carpet And Pad, Mold Abatement And Disposal	5.04	
		Note: Includes tack strips.		
02 85 00 00-0066	SF	>100 To 500 SF, Carpet And Pad, Mold Abatement And Disposal	3.36	
		Note: Includes tack strips.		
02 85 00 00-0067	SF	>500 To 2,500 SF, Carpet And Pad, Mold Abatement And Disposal	2.41	
		Note: Includes tack strips.		
02 85 00 00-0068	SF	>2,500 To 10,000 SF, Carpet And Pad, Mold Abatement And Disposal	1.87	
		Note: Includes tack strips.		
02 85 00 00-0069	SF	>10,000 SF, Carpet And Pad, Mold Abatement And Disposal	1.40	
		Note: Includes tack strips.		
02 85 00 00-0070		**Subflooring, Mold Abatement And Disposal** *(02 85 00 00-0049)*		
02 85 00 00-0071	SF	Up To 100 SF, Subflooring, Mold Abatement And Disposal	6.67	
02 85 00 00-0072	SF	>100 To 500 SF, Subflooring, Mold Abatement And Disposal	4.17	
02 85 00 00-0073	SF	>500 To 2,500 SF, Subflooring, Mold Abatement And Disposal	2.61	
02 85 00 00-0074	SF	>2,500 To 10,000 SF, Subflooring, Mold Abatement And Disposal	1.50	
02 85 00 00-0075	SF	>10,000 SF, Subflooring, Mold Abatement And Disposal	0.90	
02 85 00 00-0076		**Siding, Mold Abatement And Disposal** *(02 85)*		
02 85 00 00-0077		**Interior Paneling, Mold Abatement And Disposal** *(02 85 00 00-0076)*		
		Note: Includes detachment of mounted objects before removal.		
02 85 00 00-0078	SF	Up To 100 SF, Interior Paneling, Mold Abatement And Disposal	5.04	
		Note: Includes detachment of mounted objects before removal.		
02 85 00 00-0079	SF	>100 To 500 SF, Interior Paneling, Mold Abatement And Disposal	3.59	
		Note: Includes detachment of mounted objects before removal.		
02 85 00 00-0080	SF	>500 To 2,500 SF, Interior Paneling, Mold Abatement And Disposal	2.47	
		Note: Includes detachment of mounted objects before removal.		
02 85 00 00-0081	SF	>2,500 To 10,000 SF, Interior Paneling, Mold Abatement And Disposal	1.37	
		Note: Includes detachment of mounted objects before removal.		
02 85 00 00-0082	SF	>10,000 SF, Interior Paneling, Mold Abatement And Disposal	1.01	
		Note: Includes detachment of mounted objects before removal.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 85 00 00-0083		**Exterior Siding, Mold Abatement And Disposal** *(02 85 00 00-0076)*		
02 85 00 00-0084	SF	Up To 100 SF, Exterior Siding Board, Mold Abatement And Disposal	7.00	
02 85 00 00-0085	SF	>100 To 500 SF, Exterior Siding Board, Mold Abatement And Disposal	4.50	
02 85 00 00-0086	SF	>500 To 2,500 SF, Exterior Siding Board, Mold Abatement And Disposal	3.07	
02 85 00 00-0087	SF	>2,500 To 10,000 SF, Exterior Siding Board, Mold Abatement And Disposal	2.02	
02 85 00 00-0088	SF	>10,000 SF, Exterior Siding Board, Mold Abatement And Disposal	1.80	
02 85 00 00-0089		**Contaminated Debris, Mold Abatement And Disposal** *(02 85)*		
02 85 00 00-0090		**Contaminated Debris, Mold Abatement And Disposal** *(02 85 00 00-0089)*		
02 85 00 00-0091	CF	Up To 10 CF, Contaminated Debris, Mold Abatement And Disposal	29.05	
02 85 00 00-0092	CF	>10 To 100 CF, Contaminated Debris, Mold Abatement And Disposal	17.43	
02 85 00 00-0093	CF	>100 To 250 CF, Contaminated Debris, Mold Abatement And Disposal	11.62	
02 85 00 00-0094	CF	>250 To 500 CF, Contaminated Debris, Mold Abatement And Disposal	8.72	
02 85 00 00-0095	CF	>500 To 2,500 CF, Contaminated Debris, Mold Abatement And Disposal	6.97	
02 85 00 00-0096	CF	>2,500 To 10,000 CF, Contaminated Debris, Mold Abatement And Disposal	3.81	
02 85 00 00-0097	CF	>10,000 CF, Contaminated Debris, Mold Abatement And Disposal	3.43	
02 85 00 00-0098		**Other Mold Containing Materials, Mold Abatement And Disposal** *(02 85)*		
02 85 00 00-0099		**Wood Studs, Mold Abatement And Disposal** *(02 85 00 00-0098)* Note: 2" x 4" or 2" x 6" exposed studs in walls. Excludes surfacing material.		
02 85 00 00-0100	LF	Up To 100 LF, Wood Studs, Mold Abatement And Disposal	2.82	
02 85 00 00-0101	LF	>100 To 500 LF, Wood Studs, Mold Abatement And Disposal	2.03	
02 85 00 00-0102	LF	>500 To 2,500 LF, Wood Studs, Mold Abatement And Disposal	1.49	
02 85 00 00-0103	LF	>2,500 To 10,000 LF, Wood Studs, Mold Abatement And Disposal	1.14	
02 85 00 00-0104	LF	>10,000 LF, Wood Studs, Mold Abatement And Disposal	0.85	
02 85 00 00-0105		**Ceiling Tile, Mold Abatement And Disposal** *(02 85 00 00-0098)* Note: e.g. grid, spline, or glued on; 12" x 12" to 2' x 4'.		
02 85 00 00-0106	SF	Up To 200 SF, Ceiling Tile, Mold Abatement And Disposal	8.40	
02 85 00 00-0107	SF	>200 To 1,000 SF, Ceiling Tile, Mold Abatement And Disposal	6.30	
02 85 00 00-0108	SF	>1,000 To 2,500 SF, Ceiling Tile, Mold Abatement And Disposal	2.87	
02 85 00 00-0109	SF	>2,500 To 10,000 SF, Ceiling Tile, Mold Abatement And Disposal	2.02	
02 85 00 00-0110	SF	>10,000 SF, Ceiling Tile, Mold Abatement And Disposal	1.80	
02 85 00 00-0111		**Caulking, Mold Abatement And Disposal** *(02 85 00 00-0098)*		
02 85 00 00-0112	LF	Up To 10 LF, Caulking, Mold Abatement And Disposal	2.96	
02 85 00 00-0113	LF	>10 To 50 LF, Caulking, Mold Abatement And Disposal	2.52	
02 85 00 00-0114	LF	>50 To 100 LF, Caulking, Mold Abatement And Disposal	1.80	
02 85 00 00-0115	LF	>100 To 250 LF, Caulking, Mold Abatement And Disposal	1.36	
02 85 00 00-0116	LF	>250 To 1,000 LF, Caulking, Mold Abatement And Disposal	1.01	
02 85 00 00-0117	LF	>1,000 To 2,500 LF, Caulking, Mold Abatement And Disposal	0.82	
02 85 00 00-0118	LF	>2,500 LF, Caulking, Mold Abatement And Disposal	0.70	
02 85 00 00-0119		**Wipe Down Walls, Ceilings And Floors** *(02 85 00 00-0098)*		
02 85 00 00-0120	CSF	Wipe Down Floors With Mild Bleach Solution	14.00	
02 85 00 00-0121	CSF	Wipe Down Walls With Mild Bleach Solution	16.47	
02 85 00 00-0122	CSF	Wipe Down Ceilings With Mild Bleach Solution	18.74	
02 85 00 00-0123	CSF	Wipe Down Countertops With Mild Bleach Solution	15.27	
02 85 00 00-0124	CSF	Wipe Down Other Surfaces With Mild Bleach Solution	19.38	
02 85 00 00-0125		**Cabinets** *(02 85 00 00-0098)*		
02 85 00 00-0126	LF	Up To 20 LF, Base Cabinet, Mold Abatement And Disposal	51.66	
02 85 00 00-0127	LF	>20 LF, Base Cabinet, Mold Abatement And Disposal	36.48	
02 85 00 00-0128	LF	Up To 20 LF, Wall Cabinet, Mold Abatement And Disposal	45.59	
02 85 00 00-0129	LF	>20 LF, Wall Cabinet, Mold Abatement And Disposal	30.40	

02 87 Bio-Hazard Material Remediation *(02 80)*

Note: Tasks includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, vacuuming, disposal, personnel health monitoring, documentation and other associated costs necessary for the complete removal and disposal of the contaminated material in accordance with EPA and local regulations. The quantity of the entire project, not a particular work area, is to be used in determining which tasks apply. There is a task with a unit of measure of EA for a quantity of less than 10 SF, followed by a series of tasks for additional quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus each additional task in sequence to arrive at the total quantity for the entire project, not a particular work area.

02 87 00 00-0001		**Bird Waste Removal** *(02 87)* Note: In addition to items listed the Bio-Hazard Material Remediation note above, tasks include wetting agents and disinfection of contaminated surfaces.		
02 87 00 00-0002	EA	Up To 10 SF Bird Waste Removal, Up To 3" Thickness	504.03	
		For Work In Restricted Working Space, Add	*151.21*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 00 00-0003	SF	>10 To 500 SF Bird Waste Removal, Up To 3" Thickness	8.40	
		For Work In Restricted Working Space, Add	*2.52*	
02 87 00 00-0004	SF	>500 To 2,500 SF Bird Waste Removal, Up To 3" Thickness	7.64	
		For Work In Restricted Working Space, Add	*2.29*	
02 87 00 00-0005	SF	>2,500 To 10,000 SF Bird Waste Removal, Up To 3" Thickness	6.94	
		For Work In Restricted Working Space, Add	*2.08*	
02 87 00 00-0006	SF	>10,000 SF Bird Waste Removal, Up To 3" Thickness	6.31	
		For Work In Restricted Working Space, Add	*1.89*	

02 89 Hazmat Ancillary Tasks And Support *(02 80)*

02 89 00 00-0001 Barriers And Protection *(02 89)*

Note: Includes removal and disposal after use.

02 89 00 00-0002 Isolation Barriers *(02 89 00 00-0001)*

Note: Use framing task with applicable barrier task. See CSI section 01 56 16 00-0016 for temporary stud walls.

02 89 00 00-0003	SF	1/2" Plywood For Solid Isolation Barrier	2.62
02 89 00 00-0004	SF	Plastic Sheeting For Separation Barrier	0.31
02 89 00 00-0005	SF	1/2" Drywall For Solid Isolation Barrier	1.23
02 89 00 00-0006	SF	5/8" Drywall For Solid Isolation Barrier	1.37

02 89 00 00-0007 Cleaning Surfaces *(02 89 00 00-0001)*

Note: Other surfaces within contamination area but not contaminated by, or part of removal.

02 89 00 00-0008	SF	Up To 100 SF, Clean Asbestos Surface	0.62
02 89 00 00-0009	SF	>100 To 500 SF, Clean Asbestos Surface	0.37
02 89 00 00-0010	SF	>500 To 1,000 SF, Clean Asbestos Surface	0.29
02 89 00 00-0011	SF	>1,000 SF, Clean Asbestos Surface	0.24

02 89 00 00-0012 Hazmat Containment Construction *(02 89 00 00-0001)*

02 89 00 00-0013	SF	6 Mil Plastic Sheeting, Applied To Floors, Hazmat Containment Construction	0.32
02 89 00 00-0014	SF	6 Mil Plastic Sheeting, Applied To Walls, Hazmat Containment Construction	0.41
02 89 00 00-0015	SF	6 Mil Plastic Sheeting, Applied To Ceilings, Hazmat Containment Construction	0.55
02 89 00 00-0016	SF	6 Mil Plastic Anti Static And Fire And Flame Retardant Sheeting, Applied To Floors, Hazmat Containment Construction	0.50
02 89 00 00-0017	SF	6 Mil Plastic Anti Static And Fire And Flame Retardant Sheeting, Applied To Walls, Hazmat Containment Construction	0.62
02 89 00 00-0018	SF	6 Mil Plastic Anti Static And Fire And Flame Retardant Sheeting, Applied To Ceilings, Hazmat Containment Construction	0.79

02 89 00 00-0019 Decontamination Chambers *(02 89)*

Note: Includes removal after use.

02 89 00 00-0020	EA	Portable Personnel Decontamination Wash Facility (3 Stage) Note: Includes connection to negative air system.	563.27
		For Dismantling And Relocation To A Different Area, Add	*340.26*
02 89 00 00-0021	EA	Portable Waste Decontamination Unit Note: Includes connection to negative air system.	355.04
		For Dismantling And Relocation To A Different Area, Add	*243.54*

02 90 Disaster Recovery *(02)*

Note: The tasks in this division are only to be used when specifically requested by the Owner and are not to be combined with tasks from other divisions of this or other Construction Task Catalogs® unless specifically requested by the Owner.

02 90 50 Cleaning And Emergency Clean-up *(02 90)*

02 90 50 00-0001 Non-Mold Contaminated Wet Material Removal *(02 90 50)*

Note: For materials that do not require mold abatement.

02 90 50 00-0002	SY	Wet Broadloom Carpet Removal	6.99
02 90 50 00-0003	SY	Wet Carpet Tile Removal	1.70
02 90 50 00-0004	SF	Wet Batt Insulation Removal	0.14
02 90 50 00-0005	SF	Wet Ceiling Tile Removal	0.17
02 90 50 00-0006	SF	Single Layer, Wet Gypsum Board Removal	0.17
02 90 50 00-0007	SF	Double Layer, Wet Gypsum Board Removal	0.26

02 90 50 00-0008 Cleaning *(02 90 50)*

Note: Use "Light Clean" when soot or dust is barely evident. Use "Medium Clean" when paint color can be seen through the soot or dust. Use "Heavy Clean" when paint color cannot be seen. Includes all man power, equipment and expendables required

02 90 50 00-0009 Clean Furnishings *(02 90 50 00-0008)*

02 90 50 00-0010	EA	Office Equipment, Exterior Wipe	25.18
		For Medium Clean, Add	*10.58*
		For Heavy Clean, Add	*32.73*
02 90 50 00-0011	SF	Bookcase (Per SF Of Face Area), Light Clean	1.40
		For Medium Clean, Add	*0.59*
		For Heavy Clean, Add	*1.82*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0012	LF	Shelving, Light Clean	2.52	
		For Medium Clean, Add	*1.06*	
		For Heavy Clean, Add	*3.28*	
02 90 50 00-0013	EA	Plastic Or Metal Chair, Light Clean	7.27	
		For Medium Clean, Add	*3.05*	
		For Heavy Clean, Add	*9.45*	
02 90 50 00-0014	EA	Upholstered Chair, Light Clean	23.51	
		For Medium Clean, Add	*9.87*	
		For Heavy Clean, Add	*30.56*	
02 90 50 00-0015	EA	Upholstered Sofa, Light Clean	144.98	
		For Medium Clean, Add	*60.89*	
		For Heavy Clean, Add	*188.47*	
02 90 50 00-0016	EA	Desk, Light Clean	29.66	
		For Medium Clean, Add	*12.46*	
		For Heavy Clean, Add	*38.56*	
02 90 50 00-0017	EA	Table, Light Clean	27.99	
		For Medium Clean, Add	*11.76*	
		For Heavy Clean, Add	*36.39*	
02 90 50 00-0018	EA	Two Drawer File Cabinet, Light Clean	6.14	
		For Medium Clean, Add	*2.58*	
		For Heavy Clean, Add	*7.98*	
02 90 50 00-0019	EA	Four Drawer File Cabinet, Light Clean	7.85	
		For Medium Clean, Add	*3.30*	
		For Heavy Clean, Add	*10.21*	
02 90 50 00-0020	LF	Base Cabinet, Exterior Wipe, Light Clean	6.44	
		For Medium Clean, Add	*2.70*	
		For Heavy Clean, Add	*8.37*	
02 90 50 00-0021	LF	Base Cabinet, Exterior And Interior Wipe, Light Clean	12.59	
		For Medium Clean, Add	*5.29*	
		For Heavy Clean, Add	*16.37*	
02 90 50 00-0022	LF	Wall Cabinet, Exterior Wipe, Light Clean	6.44	
		For Medium Clean, Add	*2.70*	
		For Heavy Clean, Add	*8.37*	
02 90 50 00-0023	LF	Wall Cabinet, Exterior And Interior Wipe, Light Clean	11.20	
		For Medium Clean, Add	*4.70*	
		For Heavy Clean, Add	*14.56*	
02 90 50 00-0024	EA	Picture Frame, Glass And Back, Light Clean	2.69	
		For Medium Clean, Add	*1.13*	
		For Heavy Clean, Add	*3.50*	

02 90 50 00-0025 Clean Hard Surfaces *(02 90 50 00-0008)*

02 90 50 00-0026	LF	Wood, Vinyl Or Rubber Baseboard, Light Clean	0.37	
		For Medium Clean, Add	*0.16*	
		For Heavy Clean, Add	*0.48*	
02 90 50 00-0027	EA	Door And Hardware (Per Side), Light Clean	4.76	
		For Medium Clean, Add	*2.00*	
		For Heavy Clean, Add	*6.19*	
02 90 50 00-0028	EA	Detailed Door And Hardware (Per Side), Light Clean	5.40	
		For Medium Clean, Add	*2.27*	
		For Heavy Clean, Add	*7.02*	
02 90 50 00-0029	SF	Overhead Door, Light Clean	0.38	
		For Medium Clean, Add	*0.16*	
		For Heavy Clean, Add	*0.49*	
02 90 50 00-0030	SF	Mirror, Light Clean	0.28	
		For Medium Clean, Add	*0.12*	
		For Heavy Clean, Add	*0.36*	
02 90 50 00-0031	SF	Window, Light Clean	0.83	
		For Medium Clean, Add	*0.35*	
		For Heavy Clean, Add	*1.08*	
02 90 50 00-0032	LF	Handrail, Light Clean	0.73	
		For Medium Clean, Add	*0.31*	
		For Heavy Clean, Add	*0.95*	
02 90 50 00-0033	LF	Bumper Rail, Light Clean	0.39	
		For Medium Clean, Add	*0.16*	
		For Heavy Clean, Add	*0.51*	
02 90 50 00-0034	SF	Hard Floor, Light Clean	0.32	
		For Medium Clean, Add	*0.13*	
		For Heavy Clean, Add	*0.42*	
02 90 50 00-0035	SF	Carpet, Light Clean	0.34	
		For Medium Clean, Add	*0.14*	
		For Heavy Clean, Add	*0.44*	
02 90 50 00-0036	SF	Hard Ceiling, Light Clean	0.26	
		For Medium Clean, Add	*0.11*	
		For Heavy Clean, Add	*0.34*	
02 90 50 00-0037	SF	Suspended Ceiling, Tile And Grid, Light Clean	0.28	
		For Medium Clean, Add	*0.12*	
		For Heavy Clean, Add	*0.36*	
02 90 50 00-0038	SF	Ceramic Tile Wall, Light Clean	0.23	
		For Medium Clean, Add	*0.10*	
		For Heavy Clean, Add	*0.30*	
02 90 50 00-0039	SF	Wall, Light Clean	0.17	
		For Medium Clean, Add	*0.07*	
		For Heavy Clean, Add	*0.22*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0040	SF	Masonry Wall, Light Clean	0.23	
		For Medium Clean, Add	*0.10*	
		For Heavy Clean, Add	*0.30*	
02 90 50 00-0041	EA	Up To 24 SF Area Rug, Off-Site Cleaning, Light Clean Note: Includes removal from site, cleaning, and return.	59.03	
		For Medium Clean, Add	*24.79*	
		For Heavy Clean, Add	*76.74*	
02 90 50 00-0042	EA	>24 To 96 SF Area Rug, Off-Site Cleaning, Light Clean Note: Includes removal from site, cleaning, and return.	73.78	
		For Medium Clean, Add	*30.99*	
		For Heavy Clean, Add	*95.91*	
02 90 50 00-0043	EA	>96 To 140 SF Area Rug, Off-Site Cleaning, Light Clean Note: Includes removal from site, cleaning, and return.	88.55	
		For Medium Clean, Add	*37.19*	
		For Heavy Clean, Add	*115.12*	
02 90 50 00-0044	EA	>140 To 216 SF Area Rug, Off-Site Cleaning, Light Clean	103.31	
		For Medium Clean, Add	*43.39*	
		For Heavy Clean, Add	*134.30*	

02 90 50 00-0045 Clean Window Treatments *(02 90 50 00-0008)*

02 90 50 00-0046	SF	Window Blind, Light Clean	0.64	
		For Medium Clean, Add	*0.27*	
		For Heavy Clean, Add	*0.83*	
02 90 50 00-0047	EA	Up To 6' Long Drapery (Per Pleat), Light Clean	1.31	
		For Medium Clean, Add	*0.55*	
		For Heavy Clean, Add	*1.70*	
02 90 50 00-0048	EA	Up To 6' Long Lined Drapery (Per Pleat), Light Clean	1.50	
		For Medium Clean, Add	*0.63*	
		For Heavy Clean, Add	*1.95*	
02 90 50 00-0049	EA	>6' To 8' Drapery (Per Pleat), Light Clean	1.38	
		For Medium Clean, Add	*0.58*	
		For Heavy Clean, Add	*1.79*	
02 90 50 00-0050	EA	>6' To 8' Lined Drapery (Per Pleat), Light Clean	1.59	
		For Medium Clean, Add	*0.67*	
		For Heavy Clean, Add	*2.07*	
02 90 50 00-0051	EA	>8' To 10' Drapery (Per Pleat), Light Clean	1.68	
		For Medium Clean, Add	*0.71*	
		For Heavy Clean, Add	*2.18*	
02 90 50 00-0052	EA	>8' To 10' Lined Drapery (Per Pleat), Light Clean	1.94	
		For Medium Clean, Add	*0.81*	
		For Heavy Clean, Add	*2.52*	

02 90 50 00-0053 Clean Appliances *(02 90 50 00-0008)*

02 90 50 00-0054	EA	Microwave Oven, Outside, Light Clean	11.60	
		For Medium Clean, Add	*4.87*	
		For Heavy Clean, Add	*15.08*	
02 90 50 00-0055	EA	Refrigerator, Outside, Light Clean	27.33	
		For Medium Clean, Add	*11.48*	
		For Heavy Clean, Add	*35.53*	
02 90 50 00-0056	EA	Range, Outside, Light Clean	23.62	
		For Medium Clean, Add	*9.92*	
		For Heavy Clean, Add	*30.71*	

02 90 50 00-0057 Clean Plumbing *(02 90 50 00-0008)*

02 90 50 00-0058	EA	Water Heater, Light Clean	16.79	
		For Medium Clean, Add	*7.05*	
		For Heavy Clean, Add	*21.83*	
02 90 50 00-0059	EA	Plumbing Fixture, Light Clean	16.96	
		For Medium Clean, Add	*7.12*	
		For Heavy Clean, Add	*22.05*	
02 90 50 00-0060	EA	Restroom Accessory, Light Clean	7.78	
		For Medium Clean, Add	*3.27*	
		For Heavy Clean, Add	*10.11*	

02 90 50 00-0061 Clean HVAC *(02 90 50 00-0008)*

02 90 50 00-0062	LF	Baseboard Heater, Light Clean	5.01	
		For Medium Clean, Add	*2.10*	
		For Heavy Clean, Add	*6.51*	
02 90 50 00-0063	LF	Ductwork, Exterior Wipe, Light Clean	13.99	
		For Medium Clean, Add	*5.88*	
		For Heavy Clean, Add	*18.19*	
02 90 50 00-0064	EA	Ductwork, Interior (Per Grille/Register), Light Clean	53.74	
		For Medium Clean, Add	*22.57*	
		For Heavy Clean, Add	*69.86*	
02 90 50 00-0065	EA	Grille/Register, Light Clean	5.03	
		For Medium Clean, Add	*2.11*	
		For Heavy Clean, Add	*6.54*	
02 90 50 00-0066	EA	Air Handling Unit, Exterior Wipe, Light Clean	34.90	
		For Medium Clean, Add	*14.66*	
		For Heavy Clean, Add	*45.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0067	EA	Furnace, Exterior Wipe, Light Clean	31.07	
		For Medium Clean, Add	*13.05*	
		For Heavy Clean, Add	*40.39*	

02 90 50 00-0068 Clean Electrical *(02 90 50 00-0008)*

02 90 50 00-0069	EA	Electric Fan, Light Clean	20.71	
		For Medium Clean, Add	*8.70*	
		For Heavy Clean, Add	*26.92*	
02 90 50 00-0070	EA	Ceiling Fan, Light Clean	22.39	
		For Medium Clean, Add	*9.40*	
		For Heavy Clean, Add	*29.11*	
02 90 50 00-0071	EA	Ceiling Fan And Light, Light Clean	29.11	
		For Medium Clean, Add	*12.23*	
		For Heavy Clean, Add	*37.84*	
02 90 50 00-0072	EA	Ceiling Exhaust Fan, Light Clean	20.43	
		For Medium Clean, Add	*8.58*	
		For Heavy Clean, Add	*26.56*	
02 90 50 00-0073	EA	2' x 4' Light Fixture, Light Clean	13.43	
		For Medium Clean, Add	*5.64*	
		For Heavy Clean, Add	*17.46*	
02 90 50 00-0074	EA	Light Fixture, Light Clean	6.16	
		For Medium Clean, Add	*2.59*	
		For Heavy Clean, Add	*8.01*	
02 90 50 00-0075	EA	Smoke Detector, Light Clean	4.76	
		For Medium Clean, Add	*2.00*	
		For Heavy Clean, Add	*6.19*	
02 90 50 00-0076	EA	Thermostat, Light Clean	1.68	
		For Medium Clean, Add	*0.71*	
		For Heavy Clean, Add	*2.18*	

02 90 50 00-0077 Thermal Fog *(02 90 50 00-0008)*

02 90 50 00-0078	CF	Clean And Deodorize Building With Thermal Fog	0.02	

02 90 50 00-0079 Contents Manipulation *(02 90 50)*

02 90 50 00-0080	SF	Cover Contents With Plastic	0.21	
02 90 50 00-0081	SF	Floor Protection - Adhesive Film	0.24	
02 90 50 00-0082	SF	Move Contents Out And Later Reset	0.45	
02 90 50 00-0083	MO	20' Long Job Site Storage Trailer	108.98	
02 90 50 00-0084	MO	40' Long Job Site Storage Trailer	144.53	
02 90 50 00-0085	EA	Delivery Or Pickup Job Site Storage Trailer	130.20	

02 90 50 00-0086 Water Emergency Clean-up *(02 90 50)*

02 90 50 00-0087	LF	Detach Baseboard	0.59	
02 90 50 00-0088	LF	Detach And Later Reset Baseboard	1.05	
02 90 50 00-0089	EA	Block And Pad Furniture (Per Piece Of Furniture)	3.90	
02 90 50 00-0090	SF	Water Extraction From Floor	0.40	
02 90 50 00-0091	SF	Gray Water Extraction From Floor	0.65	
02 90 50 00-0092	SF	Black Water Extraction From Floor	1.03	
02 90 50 00-0093	SF	Tear Out Wet Non Salvageable Carpet	0.33	
02 90 50 00-0094	SF	Tear Out Wet Non Salvageable Carpet, Black Water	0.39	
02 90 50 00-0095	SF	Tear Out Wet Non Salvageable Glue Down Carpet	0.57	
02 90 50 00-0096	SF	Tear Out Wet Non Salvageable Glue Down Carpet, Black Water	0.85	
02 90 50 00-0097	SF	Tear Out Vinyl Flooring	0.80	
02 90 50 00-0098	SF	Tear Out Vinyl Flooring, Black Water	1.17	
02 90 50 00-0099	SF	Tear Out Wood Flooring, Black Water	3.03	
02 90 50 00-0100	SF	Tear Out Laminated Wood Flooring	1.49	
02 90 50 00-0101	SF	Tear Out Laminated Wood Flooring, Black Water	2.18	
02 90 50 00-0102	SF	Tear Out Wet Ceiling Tile	0.25	
02 90 50 00-0103	SF	Tear Out Batt Insulation	0.25	
02 90 50 00-0104	SF	Tear Out Wet Gypsum Board	0.32	
02 90 50 00-0105	SF	Apply Antimicrobial Agent	0.19	
02 90 50 00-0106	SF	HEPA Vacuuming	0.32	

02 90 50 00-0107 Emergency Clean-up Labor *(02 90 50)*

Note: Used in the performance of time and material projects. Not to be used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.

02 90 50 00-0108	HR	Cleaning And Emergency Clean Up - General Laborer (Unskilled)	23.62	
02 90 50 00-0109	HR	Cleaning And Emergency Clean Up - General Laborer (Skilled)	31.50	
02 90 50 00-0110	HR	Cleaning And Emergency Clean Up - Skilled Tradesman	57.75	
02 90 50 00-0111	HR	Cleaning And Emergency Clean Up - Restoration Laborer	36.75	
02 90 50 00-0112	HR	Cleaning And Emergency Clean Up - Restoration Technician	47.25	
02 90 50 00-0113	HR	Cleaning And Emergency Clean Up - Restoration Supervisor	68.25	
02 90 50 00-0114	HR	Cleaning And Emergency Clean Up - Restoration Project Manager	94.50	
02 90 50 00-0115	HR	Cleaning And Emergency Clean Up - Assistant Project Manager	78.75	
02 90 50 00-0116	HR	Cleaning And Emergency Clean Up - Project Manager	99.75	
02 90 50 00-0117	HR	Cleaning And Emergency Clean Up - Project Director	152.25	
02 90 50 00-0118	HR	Cleaning And Emergency Clean Up - Resource Coordinator	47.25	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0119	HR	Cleaning And Emergency Clean Up - Project Accountant	78.75	
02 90 50 00-0120	HR	Cleaning And Emergency Clean Up - Corrosion Technician	68.25	
02 90 50 00-0121	HR	Cleaning And Emergency Clean Up - Sr. Corrosion Technician	78.75	
02 90 50 00-0122	HR	Cleaning And Emergency Clean Up - Certified Mold Technician	69.30	
02 90 50 00-0123	HR	Cleaning And Emergency Clean Up - Certified Mold Supervisor	78.75	
02 90 50 00-0124	HR	Cleaning And Emergency Clean Up - Clerical	36.75	
02 90 50 00-0125	HR	Cleaning And Emergency Clean Up - Biohazard Technician	78.75	
02 90 50 00-0126	HR	Cleaning And Emergency Clean Up - Biohazard Supervisor	94.50	
02 90 50 00-0127	HR	Cleaning And Emergency Clean Up - Health And Safety Officer	73.50	
02 90 50 00-0128	HR	Cleaning And Emergency Clean Up - Resource And Logistics Coordinator	52.50	
02 90 50 00-0129	HR	Cleaning And Emergency Clean Up - Restoration Consultant	152.25	

02 90 50 00-0130 Emergency Clean-up Equipment *(02 90 50)*

Note: Used in the performance of time and material projects. Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.

02 90 50 00-0131 General Emergency Clean-up Equipment *(02 90 50 00-0130)*

02 90 50 00-0132	DAY	Air Compressor	52.62	
02 90 50 00-0133	DAY	Buffer - Floor	35.08	
02 90 50 00-0134	DAY	Carpet Cleaning Machine - Portable	87.70	
02 90 50 00-0135	DAY	Chain Saw	40.93	
02 90 50 00-0136	EA	Cleaning Kit With Mop, Broom And Bucket	52.62	
02 90 50 00-0137	DAY	Cut Off Saw	132.67	
02 90 50 00-0138	DAY	Dry Cleaning Unit - Portable	99.39	
02 90 50 00-0139	DAY	Extension Cords - 220 Volt	29.23	
02 90 50 00-0140	DAY	Extension Cords - 220 Volt Converter Box	17.54	
02 90 50 00-0141	DAY	Demolition Cart, 7 Yard	52.62	
02 90 50 00-0142	EA	Demolition Kit With Wheel Barrow, Shovel And Broom	87.70	
02 90 50 00-0143	DAY	Dry-Ice Blasting System	409.26	
02 90 50 00-0144	DAY	Fogger - Mist	29.23	
02 90 50 00-0145	DAY	Fogger - Electric Thermal	42.09	
02 90 50 00-0146	DAY	Fogger - Gas Power Thermal	105.24	
02 90 50 00-0147	JOB	Gang Box, Demo/Framing (One Time Per Job)	76.00	
02 90 50 00-0148	DAY	Hand Trucks/Dollies	14.03	
02 90 50 00-0149	DAY	Heat Gun - Shrinkwrap	46.77	
02 90 50 00-0150	DAY	HEPA Negative Air Machine Note: Includes all filters.	146.16	
02 90 50 00-0151	DAY	Ladder	19.88	
02 90 50 00-0152	DAY	Lights - Demo, Drop, Stand, String	21.05	
02 90 50 00-0153	DAY	Lights - Wobble	25.72	
02 90 50 00-0154	DAY	Moisture Meter	29.23	
02 90 50 00-0155	DAY	Nail Gun	52.62	
02 90 50 00-0156	DAY	Ozone Generator	146.16	
02 90 50 00-0157	DAY	PPE (Personal Protective Equipment) Mold Remediation Related	70.16	
02 90 50 00-0158	DAY	Portable Generator, Up To 7,500 Watts	116.93	
02 90 50 00-0159	DAY	Pressure Washer, Hot	175.40	
02 90 50 00-0160	DAY	Pressure Washer, Cold	116.93	
02 90 50 00-0161	DAY	Scaffolding - Per Section	76.00	
02 90 50 00-0162	DAY	Small Tools - Tool Box	29.23	
02 90 50 00-0163	DAY	Soda Blasting Equipment	263.09	
02 90 50 00-0164	DAY	Sprayer - Hudson	9.35	
02 90 50 00-0165	DAY	Sprayer - Industrial Airless	248.75	
02 90 50 00-0166	DAY	Storage Space (Per SF Per Day)	0.96	
02 90 50 00-0167	DAY	Submersible Pump	29.23	
02 90 50 00-0168	DAY	Trash Pump - 2" Gas Powered	146.16	
02 90 50 00-0169	DAY	Vehicle, Pick-up, SUV, Car	87.70	
02 90 50 00-0170	DAY	Vehicle, Van	146.16	
02 90 50 00-0171	DAY	Vehicle, 16' Or 24' Box Truck (Inclusive Of Mileage)	233.86	
02 90 50 00-0172	DAY	Trailer - Refrigerated 40' Storage	146.16	
02 90 50 00-0173	DAY	Trailer - Utility (Inclusive Of Mileage)	116.93	
02 90 50 00-0174	DAY	Truck Mount, Per Wand Extraction	228.01	
02 90 50 00-0175	DAY	Vacuum - Backpack	29.23	
02 90 50 00-0176	DAY	Vacuum - Shop Vacuum	29.23	
02 90 50 00-0177	DAY	Vacuum - Commercial	87.70	
02 90 50 00-0178	DAY	Vacuum - HEPA Industrial	99.39	
02 90 50 00-0179	DAY	Vacuum - Upright	17.54	
02 90 50 00-0180	DAY	Zip Walls (Per 2 Poles)	29.23	
02 90 50 00-0181	DAY	2 Way Radio	23.39	

02 90 50 00-0182 Technical/Electronics Restoration Equipment *(02 90 50 00-0130)*

02 90 50 00-0183	DAY	Computer - Diagnostic	29.23	
02 90 50 00-0184	WK	Computer - Diagnostic	80.39	
02 90 50 00-0185	MO	Computer - Diagnostic	219.24	
02 90 50 00-0186	DAY	Convection Oven - Large	192.93	
02 90 50 00-0187	WK	Convection Oven - Large	530.57	
02 90 50 00-0188	MO	Convection Oven - Large	1,447.01	
02 90 50 00-0189	DAY	Convection Oven - Small	105.24	
02 90 50 00-0190	WK	Convection Oven - Small	289.40	
02 90 50 00-0191	MO	Convection Oven - Small	789.28	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0192	DAY	Convection Oven - Vacuum	140.32	
02 90 50 00-0193	WK	Convection Oven - Vacuum	385.87	
02 90 50 00-0194	MO	Convection Oven - Vacuum	1,052.37	
02 90 50 00-0195	DAY	Decontamination Booth	192.93	
02 90 50 00-0196	WK	Decontamination Booth	530.57	
02 90 50 00-0197	MO	Decontamination Booth	1,447.01	
02 90 50 00-0198	DAY	DI Water System	52.62	
02 90 50 00-0199	WK	DI Water System	144.70	
02 90 50 00-0200	MO	DI Water System	394.64	
02 90 50 00-0201	DAY	ESD Bench Workstation	23.39	
02 90 50 00-0202	WK	ESD Bench Workstation	64.31	
02 90 50 00-0203	MO	ESD Bench Workstation	175.40	
02 90 50 00-0204	DAY	Heater/Enclosure Control System	17.54	
02 90 50 00-0205	WK	Heater/Enclosure Control System	48.23	
02 90 50 00-0206	MO	Heater/Enclosure Control System	131.55	
02 90 50 00-0207	DAY	Hi-Tech Mobile Cart/Workstation	292.32	
02 90 50 00-0208	WK	Hi-Tech Mobile Cart/Workstation	803.89	
02 90 50 00-0209	MO	Hi-Tech Mobile Cart/Workstation	2,192.44	
02 90 50 00-0210	DAY	Micro-Blaster/Dust Collector	263.09	
02 90 50 00-0211	WK	Micro-Blaster/Dust Collector	723.50	
02 90 50 00-0212	MO	Micro-Blaster/Dust Collector	1,973.19	
02 90 50 00-0213	DAY	Mobile Laboratory	730.81	
02 90 50 00-0214	WK	Mobile Laboratory	2,009.73	
02 90 50 00-0215	MO	Mobile Laboratory	5,481.09	
02 90 50 00-0216	DAY	Nitrogen Enclosure Cabinet	14.03	
02 90 50 00-0217	WK	Nitrogen Enclosure Cabinet	38.59	
02 90 50 00-0218	MO	Nitrogen Enclosure Cabinet	105.24	
02 90 50 00-0219	DAY	Odell Cleaning Station	409.26	
02 90 50 00-0220	WK	Odell Cleaning Station	1,125.45	
02 90 50 00-0221	MO	Odell Cleaning Station	3,069.41	
02 90 50 00-0222	DAY	Parts Washer	29.23	
02 90 50 00-0223	WK	Parts Washer	80.39	
02 90 50 00-0224	MO	Parts Washer	219.24	
02 90 50 00-0225	DAY	Ultrasonic Cleaning System	87.70	
02 90 50 00-0226	WK	Ultrasonic Cleaning System	241.17	
02 90 50 00-0227	MO	Ultrasonic Cleaning System	657.73	
02 90 50 00-0228	DAY	Vacuum - HEPA Technical	23.39	
02 90 50 00-0229	WK	Vacuum - HEPA Technical	64.31	
02 90 50 00-0230	MO	Vacuum - HEPA Technical	175.40	

02 90 50 00-0231 Drying/Dehumidification Equipment *(02 90 50 00-0130)*

02 90 50 00-0232	DAY	Water Extraction Unit With Dual 3-Stage Vacuums, 202 CFM Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.	146.16	
02 90 50 00-0233	WK	Water Extraction Unit With Dual 3-Stage Vacuums, 202 CFM Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.	401.95	
02 90 50 00-0234	MO	Water Extraction Unit With Dual 3-Stage Vacuums, 202 CFM Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.	1,096.22	
02 90 50 00-0235	DAY	Centrifugal Air Mover, 2200 CFM	29.23	
02 90 50 00-0236	WK	Centrifugal Air Mover, 2200 CFM	80.39	
02 90 50 00-0237	MO	Centrifugal Air Mover, 2200 CFM	219.24	
02 90 50 00-0238	DAY	Axial Air Mover, 3000 CFM	76.00	
02 90 50 00-0239	WK	Axial Air Mover, 3000 CFM	209.01	
02 90 50 00-0240	MO	Axial Air Mover, 3000 CFM	570.03	
02 90 50 00-0241	DAY	Injectidry System	181.24	
02 90 50 00-0242	WK	Injectidry System	498.41	
02 90 50 00-0243	MO	Injectidry System	1,359.31	
02 90 50 00-0244	DAY	1200 Drizair Refrigerant Dehumidifier	122.78	
02 90 50 00-0245	WK	1200 Drizair Refrigerant Dehumidifier	337.64	
02 90 50 00-0246	MO	1200 Drizair Refrigerant Dehumidifier	920.82	
02 90 50 00-0247	DAY	2000 Drizair Refrigerant Dehumidifier	146.16	
02 90 50 00-0248	WK	2000 Drizair Refrigerant Dehumidifier	401.95	
02 90 50 00-0249	MO	2000 Drizair Refrigerant Dehumidifier	1,096.22	
02 90 50 00-0250	DAY	2400 Drizair Refrigerant Dehumidifier	169.55	
02 90 50 00-0251	WK	2400 Drizair Refrigerant Dehumidifier	466.26	
02 90 50 00-0252	MO	2400 Drizair Refrigerant Dehumidifier	1,271.61	
02 90 50 00-0253	DAY	Phoenix 200 Refrigerant Dehumidifier	169.55	
02 90 50 00-0254	WK	Phoenix 200 Refrigerant Dehumidifier	466.26	
02 90 50 00-0255	MO	Phoenix 200 Refrigerant Dehumidifier	1,271.61	
02 90 50 00-0256	DAY	Phoenix 300 Refrigerant Dehumidifier	181.24	
02 90 50 00-0257	WK	Phoenix 300 Refrigerant Dehumidifier	498.41	
02 90 50 00-0258	MO	Phoenix 300 Refrigerant Dehumidifier	1,359.31	
02 90 50 00-0259	DAY	D-500 Desiccant Dehumidifier	409.26	
02 90 50 00-0260	WK	D-500 Desiccant Dehumidifier	1,125.45	
02 90 50 00-0261	MO	D-500 Desiccant Dehumidifier	3,069.41	
02 90 50 00-0262	DAY	D-750 Desiccant Dehumidifier	701.58	
02 90 50 00-0263	WK	D-750 Desiccant Dehumidifier	1,929.34	
02 90 50 00-0264	MO	D-750 Desiccant Dehumidifier	5,261.85	
02 90 50 00-0265	DAY	D-1000 Desiccant Dehumidifier	789.28	
02 90 50 00-0266	WK	D-1000 Desiccant Dehumidifier	2,170.51	
02 90 50 00-0267	MO	D-1000 Desiccant Dehumidifier	5,919.58	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0268	DAY	D-1500 Desiccant Dehumidifier	876.98	
02 90 50 00-0269	WK	D-1500 Desiccant Dehumidifier	2,411.68	
02 90 50 00-0270	MO	D-1500 Desiccant Dehumidifier	6,577.31	
02 90 50 00-0271	DAY	D-2000 Desiccant Dehumidifier	935.44	
02 90 50 00-0272	WK	D-2000 Desiccant Dehumidifier	2,572.46	
02 90 50 00-0273	MO	D-2000 Desiccant Dehumidifier	7,015.80	
02 90 50 00-0274	DAY	D-2250 Desiccant Dehumidifier	993.90	
02 90 50 00-0275	WK	D-2250 Desiccant Dehumidifier	2,733.24	
02 90 50 00-0276	MO	D-2250 Desiccant Dehumidifier	7,454.29	
02 90 50 00-0277	DAY	D-3000 Desiccant Dehumidifier	1,128.37	
02 90 50 00-0278	WK	D-3000 Desiccant Dehumidifier	3,103.03	
02 90 50 00-0279	MO	D-3000 Desiccant Dehumidifier	8,462.81	
02 90 50 00-0280	DAY	D-4500 Desiccant Dehumidifier	1,403.16	
02 90 50 00-0281	WK	D-4500 Desiccant Dehumidifier	3,858.69	
02 90 50 00-0282	MO	D-4500 Desiccant Dehumidifier	10,523.70	
02 90 50 00-0283	DAY	D-5000 Desiccant Dehumidifier	1,578.56	
02 90 50 00-0284	WK	D-5000 Desiccant Dehumidifier	4,341.03	
02 90 50 00-0285	MO	D-5000 Desiccant Dehumidifier	11,839.16	
02 90 50 00-0286	DAY	D-9000 Desiccant Dehumidifier	2,163.20	
02 90 50 00-0287	WK	D-9000 Desiccant Dehumidifier	5,948.81	
02 90 50 00-0288	MO	D-9000 Desiccant Dehumidifier	16,224.04	
02 90 50 00-0289	DAY	D-10500 Desiccant Dehumidifier	2,572.46	
02 90 50 00-0290	WK	D-10500 Desiccant Dehumidifier	7,074.26	
02 90 50 00-0291	MO	D-10500 Desiccant Dehumidifier	19,293.45	
02 90 50 00-0292	DAY	DX Unit - Heating / Air Conditioning (3.5 Ton)	409.26	
02 90 50 00-0293	WK	DX Unit - Heating / Air Conditioning (3.5 Ton)	1,125.45	
02 90 50 00-0294	MO	DX Unit - Heating / Air Conditioning (3.5 Ton)	3,069.41	
02 90 50 00-0295	DAY	DX Unit - Heating / Air Conditioning (5 Ton)	578.80	
02 90 50 00-0296	WK	DX Unit - Heating / Air Conditioning (5 Ton)	1,591.71	
02 90 50 00-0297	MO	DX Unit - Heating / Air Conditioning (5 Ton)	4,341.03	
02 90 50 00-0298	DAY	DX Unit - Heating / Air Conditioning (10 Ton)	701.58	
02 90 50 00-0299	WK	DX Unit - Heating / Air Conditioning (10 Ton)	1,929.34	
02 90 50 00-0300	MO	DX Unit - Heating / Air Conditioning (10 Ton)	5,261.85	
02 90 50 00-0301	DAY	DX Unit - Heating / Air Conditioning (25 Ton)	876.98	
02 90 50 00-0302	WK	DX Unit - Heating / Air Conditioning (25 Ton)	2,411.68	
02 90 50 00-0303	MO	DX Unit - Heating / Air Conditioning (25 Ton)	6,577.31	
02 90 50 00-0304	DAY	DX Unit - Heating / Air Conditioning (50 Ton)	1,140.07	
02 90 50 00-0305	WK	DX Unit - Heating / Air Conditioning (50 Ton)	3,135.19	
02 90 50 00-0306	MO	DX Unit - Heating / Air Conditioning (50 Ton)	8,550.51	
02 90 50 00-0307	DAY	DX Unit - Heating / Air Conditioning (80 Ton)	1,578.56	
02 90 50 00-0308	WK	DX Unit - Heating / Air Conditioning (80 Ton)	4,341.03	
02 90 50 00-0309	MO	DX Unit - Heating / Air Conditioning (80 Ton)	11,839.16	
02 90 50 00-0310	DAY	Flex Duct - 25'	23.39	
02 90 50 00-0311	WK	Flex Duct - 25'	64.31	
02 90 50 00-0312	MO	Flex Duct - 25'	175.40	
02 90 50 00-0313	DAY	Hygro Thermograph	29.23	
02 90 50 00-0314	WK	Hygro Thermograph	80.39	
02 90 50 00-0315	MO	Hygro Thermograph	219.24	
02 90 50 00-0316	DAY	Dehumidification Trailer With 1,500 CFM Desiccant Unit Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.	5,115.69	
02 90 50 00-0317	WK	Dehumidification Trailer With 1,500 CFM Desiccant Unit Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.	14,068.14	
02 90 50 00-0318	MO	Dehumidification Trailer With 1,500 CFM Desiccant Unit Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.	38,367.66	

02 90 50 00-0319 Power Equipment *(02 90 50 00-0130)*

02 90 50 00-0320	WK	Generator, Up to 65 KVA	3,040.18	
02 90 50 00-0321	WK	Generator, Up to 125 KVA	3,390.97	
02 90 50 00-0322	WK	Generator, Up to 250 KVA	4,443.34	
02 90 50 00-0323	WK	Generator, Up to 375 KVA	5,378.78	
02 90 50 00-0324	WK	Generator, Up to 440 KVA	6,781.94	
02 90 50 00-0325	WK	Generator, Up to 625 KVA	8,652.82	
02 90 50 00-0326	WK	Generator, Up to 800 KVA	14,733.18	
02 90 50 00-0327	WK	Generator, Up to 1,000 KVA	19,176.52	
02 90 50 00-0328	WK	Generator, Up to 1,500 KVA	23,853.72	
02 90 50 00-0329	EA	Generator Cable/Pigtails (Per Section)	11.69	
02 90 50 00-0330	EA	Sub-Distribution Panel (Spider Box)	76.00	
02 90 50 00-0331	EA	Electrical Distribution Panel	233.86	
02 90 50 00-0332	EA	Quad Box Strings (25' Sections)	29.23	
02 90 50 00-0333	EA	50' Power Cord For Spider Box	29.23	
02 90 50 00-0334	EA	Pig Tails (Per Each)	2.92	

02 90 50 00-0335 Freight Charges *(02 90 50 00-0130)*

02 90 50 00-0336	MI	Freight Up To 1 Ton Pick Up Truck	1.46	
02 90 50 00-0337	MI	Freight >1 Ton Pick Up Truck	2.63	
02 90 50 00-0338	MI	Freight 16' Or 24' Box Truck	2.63	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0339	MI	Freight Tractor Trailer	3.80	

02 90 50 00-0340 Emergency Clean-up Personal Protection Equipment *(02 90 50)*

Note: Used in the performance of time and material projects. Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.

02 90 50 00-0341	EA	Tyvek Suit	8.77	
02 90 50 00-0342	EA	Cartridge - Respirator	14.03	
02 90 50 00-0343	BOX	Dust Mask	31.86	
02 90 50 00-0344	PR	Gloves - Cotton	5.26	
02 90 50 00-0345	BOX	Gloves - Latex	15.79	
02 90 50 00-0346	PR	Gloves - Leather	8.77	
02 90 50 00-0347	EA	Gloves - Rubber (Heavy Duty)	4.68	
02 90 50 00-0348	PR	Polycarbonate Lens Safety Goggles	8.65	
02 90 50 00-0349	EA	Respirator - With One Pair Cartridges	39.65	
02 90 50 00-0350	PR	Safety Glasses	3.79	
02 90 50 00-0351	EA	Safety Harness (Per Person/Day)	5.85	

02 90 50 00-0352 Emergency Clean-up Expendables *(02 90 50)*

Note: Used in the performance of time and material projects. Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.

02 90 50 00-0353 General Materials *(02 90 50 00-0352)*

02 90 50 00-0354	GAL	Adhesive Remover	87.70	
02 90 50 00-0355	GAL	Bio-HS	24.92	
02 90 50 00-0356	GAL	Biocide	31.79	
02 90 50 00-0357	EA	Box - Book	4.62	
02 90 50 00-0358	EA	Box - Large	7.60	
02 90 50 00-0359	GAL	Bleach	4.09	
02 90 50 00-0360	EA	Brush - Stainless - Small	5.59	
02 90 50 00-0361	EA	Buckets - 2 ½ Gal	6.17	
02 90 50 00-0362	EA	Buckets - 5 Gallon	9.35	
02 90 50 00-0363	GAL	Carpet Defoamer	24.06	
02 90 50 00-0364	GAL	Carpet Pre-treat	23.12	
02 90 50 00-0365	GAL	Carpet Spotter	34.92	
02 90 50 00-0366	GAL	Carpet/Upholstery Cleaner	31.41	
02 90 50 00-0367	ROL	Carpet Masking/Shield	77.17	
02 90 50 00-0368	EA	Chem Sponge	3.45	
02 90 50 00-0369	GAL	Clear Seal	87.70	
02 90 50 00-0370	GAL	Coil Cleaner	28.06	
02 90 50 00-0371	EA	Comfort Masks, Per Box 50	34.67	
02 90 50 00-0372	EA	Coverall - Bio-Hazard	24.39	
02 90 50 00-0373	EA	Decon Chamber	239.71	
02 90 50 00-0374	GAL	Degreaser, All Purpose	32.74	
02 90 50 00-0375	GAL	De-Foamer Liquid	35.08	
02 90 50 00-0376	EA	Deodorization Membrane	83.79	
02 90 50 00-0377	GAL	Deodorizer, 9D9	90.33	
02 90 50 00-0378	LB	Deodorizing Gel	15.20	
02 90 50 00-0379	GAL	Deodorizing Liquid	44.43	
02 90 50 00-0380	PAIL	Deodorizing Block	52.62	
02 90 50 00-0381	GAL	Disinfectant/Antimicrobial	56.71	
02 90 50 00-0382	GAL	Disinfectant, BruClean	28.06	
02 90 50 00-0383	GAL	Dryclene	34.92	
02 90 50 00-0384	GAL	Duct Sealant Spray	52.62	
02 90 50 00-0385	GAL	Duct Sealant, Antifungal	76.00	
02 90 50 00-0386	GAL	Microbial Encapsulant (Fosters 20 - 40)	108.16	
02 90 50 00-0387	PR	Ear Plugs	0.47	
02 90 50 00-0388	GAL	Encapsulant	107.42	
02 90 50 00-0389	GAL	Fiberlocke - Aftershock	95.40	
02 90 50 00-0390	GAL	Fiberlocke - IAQ 2500	90.25	
02 90 50 00-0391	GAL	Fiberlocke - IAS 6000	92.82	
02 90 50 00-0392	ROL	Filter Material	76.00	
02 90 50 00-0393	EA	Filter, Blue Paper Collection Bag	5.79	
02 90 50 00-0394	EA	Filter, CVAC For HEPA Vacuum	263.38	
02 90 50 00-0395	EA	Filter, Pre-Filter For Negative Air Machine	4.50	
02 90 50 00-0396	EA	Filter, Pleated For Negative Air Machine	7.02	
02 90 50 00-0397	EA	Filter, Charcoal For Negative Air Machine	34.96	
02 90 50 00-0398	EA	Filter, HEPA For Negative Air Machine	222.75	
02 90 50 00-0399	EA	Filter, Pleated For Dehumidifiers	8.77	
02 90 50 00-0400	GAL	Floor Stripper	16.37	
02 90 50 00-0401	GAL	Floor Wax	23.39	
02 90 50 00-0402	GAL	Fogger (Thermal)	92.37	
02 90 50 00-0403	BOX	Furniture Blocks	116.93	
02 90 50 00-0404	EA	Furniture Polish, Per Can	12.86	
02 90 50 00-0405	GAL	Glass Cleaner	19.88	
02 90 50 00-0406	PR	Chemical Splash/Impact Resistant, Polycarbonate Lens Safety Goggles	14.27	
02 90 50 00-0407	EA	Goof Off Spray, 12 Oz	8.19	
02 90 50 00-0408	EA	Halogen Light Bulbs	16.70	
02 90 50 00-0409	QT	Hand Sanitizer	8.26	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0410	EA	Hard Hats	6.80	
02 90 50 00-0411	BOX	Hog Rings, Box Of 2,500	16.95	
02 90 50 00-0412	GAL	HVAC Coal Cleaner	38.59	
02 90 50 00-0413	BOX	Inventory Tag, Box Of 1,000	105.24	
02 90 50 00-0414	EA	Knives - Utility	12.86	
02 90 50 00-0415	ROL	Lay Flat Tubing, 13" (250' Roll)	64.55	
02 90 50 00-0416	ROL	Lay Flat Tubing, 20" (250' Roll)	98.22	
02 90 50 00-0417	ROL	Lay Flat Tubing, 29" (250' Roll)	167.21	
02 90 50 00-0418	ROL	Lay Flat Tubing, 39" (250' Roll)	273.62	
02 90 50 00-0419	GAL	Lemon Oil	46.77	
02 90 50 00-0420	GAL	LPS 1/Mecca Lube	42.49	
02 90 50 00-0421	GAL	LPS 2	44.97	
02 90 50 00-0422	GAL	LPS Contact Cleaner	44.76	
02 90 50 00-0423	GAL	Lubricant, Preserver (Light)	38.59	
02 90 50 00-0424	GAL	Lubricant, Preserver (Heavy)	23.39	
02 90 50 00-0425	GAL	Machinery Cleaning Solvent	52.62	
02 90 50 00-0426	GAL	Metal Polishing Paste	11.69	
02 90 50 00-0427	GAL	Microban	47.26	
02 90 50 00-0428	GAL	Milgo	58.01	
02 90 50 00-0429	EA	Mop Heads	6.84	
02 90 50 00-0430	EA	Nylon Scouring Pads	1.29	
02 90 50 00-0431	GAL	Odor Neutralizer	52.09	
02 90 50 00-0432	EA	Packing Paper, 25 LB Bundle	30.99	
02 90 50 00-0433	EA	Paint Brushes	5.85	
02 90 50 00-0434	ROL	Paper, Corrugated/Craft	102.90	
02 90 50 00-0435	EA	Putty Knives	5.30	
02 90 50 00-0436	ROL	Red Resin Paper, 200' Roll	31.57	
02 90 50 00-0437	GAL	Reodorant	99.39	
02 90 50 00-0438	EA	Respirator - N95	4.64	
02 90 50 00-0439	EA	Respirator - N95 w/valve	5.29	
02 90 50 00-0440	PR	Respirator Cartridges - 3M	35.45	
02 90 50 00-0441	PR	Respirator Cartridges -P100	35.45	
02 90 50 00-0442	EA	Respirator Cleaning Wipes, Per Box 100	28.37	
02 90 50 00-0443	GAL	Restoracide	46.62	
02 90 50 00-0444	GAL	Rust Remover	81.85	
02 90 50 00-0445	EA	Saltesmo Test Samples	7.60	
02 90 50 00-0446	EA	Sand Bag, Excluding Sand	1.99	
02 90 50 00-0447	EA	Scotch-Brite 7447, Per Box 50	37.97	
02 90 50 00-0448	EA	Sm. Scrub Brushes	5.59	
02 90 50 00-0449	GAL	Soot Sealant, Clear	45.60	
02 90 50 00-0450	GAL	Soot Sealant, Pigmented	46.77	
02 90 50 00-0451	ROL	Shrinkwrap Plastic	56.13	
02 90 50 00-0452	EA	Sponges - Dry	2.48	
02 90 50 00-0453	EA	Spray Adhesive, Per Can	5.26	
02 90 50 00-0454	EA	Spray Bot./Trigger	4.51	
02 90 50 00-0455	GAL	Stain Remover	28.06	
02 90 50 00-0456	GAL	Stainless Steel Cleaner	43.26	
02 90 50 00-0457	EA	Stainless Steel Polish, Per Can	15.20	
02 90 50 00-0458	LB	Sweeping Compound	18.91	
02 90 50 00-0459	ROL	Tape - Duct	7.89	
02 90 50 00-0460	ROL	Tape - Environmental (Teal)	10.92	
02 90 50 00-0461	ROL	Tape - HVAC (Aluminum)	25.72	
02 90 50 00-0462	ROL	Tape - Blue Masking (Painters Tape)	10.97	
02 90 50 00-0463	ROL	Tape - Poly Box	4.68	
02 90 50 00-0464	LB	Terry Towels	6.02	
02 90 50 00-0465	GAL	Thermal Fog	57.47	
02 90 50 00-0466	ROL	Trash Bags - Lawn And Leaf	37.42	
02 90 50 00-0467	ROL	Trash Bags - 6 Mil Heavy Duty (50 Count)	103.48	
02 90 50 00-0468	EA	Trisodium Phosphaste, 20 LB Pail	42.67	
02 90 50 00-0469	EA	Vacuum Bags - Backpack	1.44	
02 90 50 00-0470	EA	Vacuum Bags - Upright	1.92	
02 90 50 00-0471	GAL	Vinyl And Leather Cleaner	93.54	
02 90 50 00-0472	ROL	Visqueen 1 Mil	44.73	
02 90 50 00-0473	ROL	Visqueen 4 Mil	91.79	
02 90 50 00-0474	ROL	Visqueen 6 Mil	130.96	
02 90 50 00-0475	LB	Wipes, Cotton Cloth	5.09	
02 90 50 00-0476	ROL	12" x 750', Wrap, Bubble / Anti-Static	73.67	
02 90 50 00-0477	EA	Wyp-Alls, Case, 160 Wipes	38.59	
02 90 50 00-0478	EA	Zip Wall Zippers	21.05	

02 90 50 00-0479 Technical/Electronics Restoration Materials *(02 90 50 00-0352)*

02 90 50 00-0480	EA	Brush - Brass	4.38	
02 90 50 00-0481	EA	Brush - Natural Bristle 1"	1.40	
02 90 50 00-0482	EA	Brush - Natural Bristle 1/2"	1.17	
02 90 50 00-0483	EA	Brush - Natural Bristle 1/4"	0.99	
02 90 50 00-0484	EA	Brush - Parts	6.08	
02 90 50 00-0485	EA	Brush - Plastic	3.16	
02 90 50 00-0486	EA	Brush - Wire Grout	5.85	
02 90 50 00-0487	EA	Brushing Tool	14.62	
02 90 50 00-0488	EA	Cleaning Swabs, Cotton	0.29	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0489	EA	Cleaning Swabs, Foam Tip	0.35	
02 90 50 00-0490	EA	Contact Restorer, Per Can	28.36	
02 90 50 00-0491	EA	Contact Spray, Per Can	19.29	
02 90 50 00-0492	UNIT	Corrosion Inhibitor Emitter - 1 CF	2.81	
02 90 50 00-0493	UNIT	Corrosion Inhibitor Emitter - 5 CF	6.43	
02 90 50 00-0494	UNIT	Corrosion Inhibitor Emitter - 10 CF	11.11	
02 90 50 00-0495	LB	Cotton Cleaning Cloths	17.54	
02 90 50 00-0496	EA	12" x 17" Dust Cloths	0.26	
02 90 50 00-0497	EA	24" x 24" Dust Cloths	0.72	
02 90 50 00-0498	EA	Deoxidizing Agent, Per Can	13.74	
02 90 50 00-0499	GAL	Electronic Grade Detergent	21.05	
02 90 50 00-0500	SHT	Inventory Labels	6.37	
02 90 50 00-0501	GAL	Isopropyl Alcohol	29.23	
02 90 50 00-0502	EA	Lubrication/Penetrating Oil, Per Can	6.43	
02 90 50 00-0503	GAL	PC Board Detergent	80.10	
02 90 50 00-0504	GAL	Rust Inhibitor, Regular Duty	31.57	
02 90 50 00-0505	GAL	Rust Inhibitor - Moderate Duty	34.49	
02 90 50 00-0506	GAL	Rust Inhibitor - Severe Duty	39.76	
02 90 50 00-0507	LB	Wipes - Lint Free Cloths	8.19	
02 90 50 00-0508	EA	Wire Marker Card	2.05	
02 90 50 00-0509	EA	Steel Wool, 16 Pad Sleeve	7.02	

02 90 50 00-0510 Board Up And Tarp Up *(02 90 50)*

02 90 50 00-0511	SF	Polyethylene Tarp On Roof	0.20	
02 90 50 00-0512	SF	Temporary Plywood On Roof	1.28	
02 90 50 00-0513	SF	Temporary Plywood On Wall Or Windows	1.62	

02 90 50 00-0514 Minimum Charges *(02 90 50)*

02 90 50 00-0515	EA	Minimum For Cleaning	99.39	
02 90 50 00-0516	EA	Minimum For Water Extraction	116.93	
02 90 50 00-0517	EA	Minimum For Carpet Cleaning	140.32	

02 90 50 00-0518 Document Restoration *(02 90 50)*

02 90 50 00-0519	EA	Book Rebinding, Each	72.46	
02 90 50 00-0520	EA	Book Recasing, Each	36.22	
02 90 50 00-0521	EA	Boxes-MCS, 1.2 CF	7.25	
02 90 50 00-0522	EA	Boxes-MCS, 2.0 CF	9.39	
02 90 50 00-0523	EA	Boxes Bankers	11.58	
02 90 50 00-0524	EA	Boxes Standard Packout	4.33	
02 90 50 00-0525	EA	Boxes X Ray	7.25	
02 90 50 00-0526	EA	CD Scanning and Diagnostics, Each	7.25	
02 90 50 00-0527	EA	Cleaning Antique Books, Each	217.37	
02 90 50 00-0528	EA	Cleaning Catheter Roll, Per Roll	28.98	
02 90 50 00-0529	EA	Cleaning CD And DVD, Per Disc	2.91	
02 90 50 00-0530	EA	Cleaning Level 1 - Blue Prints, Each	2.91	
02 90 50 00-0531	CF	Cleaning Level 1 - Document Per CF	89.87	
02 90 50 00-0532	EA	Cleaning Level 1 - Linen, Each	2.91	
02 90 50 00-0533	EA	Cleaning Level 1 - Mylar, Each	2.91	
02 90 50 00-0534	EA	Cleaning Level 2 - Blue Print, Each	3.62	
02 90 50 00-0535	CF	Cleaning Level 2 - Document Per CF	134.77	
02 90 50 00-0536	EA	Cleaning Level 2 - Linen, Each	3.62	
02 90 50 00-0537	EA	Cleaning Level 2 - Mylar, Each	3.62	
02 90 50 00-0538	EA	Cleaning Level 3 - Blue Prints, Each	5.12	
02 90 50 00-0539	CF	Cleaning Level 3 - Document Per CF	179.73	
02 90 50 00-0540	EA	Cleaning Level 3 - Linen, Each	5.12	
02 90 50 00-0541	EA	Cleaning Level 3 - Mylar, Each	5.12	
02 90 50 00-0542	EA	Cleaning Level 4 - All Fire-Blue Print, Each	7.25	
02 90 50 00-0543	EA	Cleaning Level 4 - All Fire-Linen, Each	7.25	
02 90 50 00-0544	EA	Cleaning Level 4 - All Fire-Mylar, Each	7.25	
02 90 50 00-0545	CF	Cleaning Level 4 - Light Fire-Document Per CF	224.62	
02 90 50 00-0546	EA	Cleaning Level 5 - Severe Fire-Blue Print, Each	8.66	
02 90 50 00-0547	CF	Cleaning Level 5 - Severe Fire-Document Per CF	449.26	
02 90 50 00-0548	EA	Cleaning Level 5 - Severe Fire-Linen, Each	8.66	
02 90 50 00-0549	EA	Cleaning Level 5 - Severe Fire-Mylar, Each	8.66	
02 90 50 00-0550	EA	Cleaning Microfiche Sheets, Each	2.91	
02 90 50 00-0551	EA	Cleaning Microfiche Strips, Each	0.74	
02 90 50 00-0552	EA	Cleaning Microfilm Rolls (In House), Per Roll	72.46	
02 90 50 00-0553	EA	Cleaning Microfilm Rolls (Outside), Per Roll	101.45	
02 90 50 00-0554	EA	Cleaning Photographs Negatives, Per Negative	0.74	
02 90 50 00-0555	EA	Cleaning Photographs, Each	2.91	
02 90 50 00-0556	EA	Cleaning Record Albums, Each	2.91	
02 90 50 00-0557	EA	Cleaning VHS And Beta Tapes-In House, Each	7.25	
02 90 50 00-0558	EA	Cleaning VHS And Beta Tapes-Outside, Each	28.98	
02 90 50 00-0559	EA	Cleaning X Ray 1-1000, Per Film	4.33	
02 90 50 00-0560	EA	Cleaning X Ray 1K-5K, Per Film	3.62	
02 90 50 00-0561	EA	Cleaning X Ray 5K-Up, Per Film	2.91	
02 90 50 00-0562	EA	Copying Clean Water, Per Page	0.43	
02 90 50 00-0563	EA	Copying Greywater Fire, Per Page	0.78	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0564	EA	Deodorization, Vapor Tech, Per Cube	7.25	
02 90 50 00-0565	EA	Disinfectant-Fogging, Per Cube	10.16	
02 90 50 00-0566	EA	Document Disposal In House No Shredding	23.21	
02 90 50 00-0567	EA	Document Disposal In House With Shredding	39.97	
02 90 50 00-0568	EA	Drying-MCS Center 1-50 Cubes	130.42	
02 90 50 00-0569	EA	Drying-MCS Center 151-500 Cubes	101.45	
02 90 50 00-0570	EA	Drying-MCS Center 500 And Up	86.95	
02 90 50 00-0571	EA	Drying-MCS Center 51-150 Cubes	115.94	
02 90 50 00-0572	EA	Drying-Onsite 1-500 Cubes	217.37	
02 90 50 00-0573	EA	Drying-Onsite 501- Up Cube	133.35	
02 90 50 00-0574	EA	Drying Antique Books, Each	28.98	
02 90 50 00-0575	EA	Drying Blue Prints, Each	3.62	
02 90 50 00-0576	EA	DVD Scanning And Diagnostics, Each	7.25	
02 90 50 00-0577	EA	Freeze Drying (In House)	101.45	
02 90 50 00-0578	EA	Freeze Drying (Outside)	133.35	
02 90 50 00-0579	EA	Irradiation - Gamma 0-48 Cubes (minimum charge)	1,546.98	
02 90 50 00-0580	EA	Irradiation - Gamma 49-Up Cube (per cube charge)	32.23	
02 90 50 00-0581	EA	Linen Prints	7.25	
02 90 50 00-0582	EA	Minimal Drying Jobs	709.04	
02 90 50 00-0583	EA	Monthly Storage	72.46	
02 90 50 00-0584	EA	Mylar Prints	7.25	
02 90 50 00-0585	EA	Ozoning, Per Cube	7.25	
02 90 50 00-0586	MO	Stabilization Freezer Storage, Per Cube-Per Month	10.16	
02 90 50 00-0587	MO	Stabilization Freezer Storage, Per Page-Per Month	0.07	
02 90 50 00-0588	EA	Wood Pallets, Each	36.22	

END OF SECTION 02

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 Concrete

03 01 Maintenance Of Concrete *(03)*

03 01 30 Maintenance Of Cast-In-Place Concrete *(03 01)*

03 01 30 51 Cleaning Of Cast-In-Place Concrete *(03 01 30)*

03 01 30 51-0001 Abrasive Blasting *(03 01 30 51)*
Note: Includes containment and clean-up of all material.

03 01 30 51-0002	SF	Concrete Floors, Abrasive Shot Blasting (Beads, Steel Balls, Etcetera)	3.77	

03 01 30 71 Rehabilitation Of Cast-in-Place Concrete *(03 01 30)*

03 01 30 71-0001 Concrete Resurfacing/Repair *(03 01 30 71)*
See CSI section 09 91 43 00-0002 for surface preparation as required.

03 01 30 71-0002 Concrete Repair *(03 01 30 71-0001)*

03 01 30 71-0003 Decks Or Floors *(03 01 30 71-0002)*
Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.

03 01 30 71-0004	SF	1/8" To 1/4", Cementitious Mortar Patch, Decks And Floors	4.75
03 01 30 71-0005	SF	1/8" To 1/4", Epoxy Cementitious Mortar Patch, Decks And Floors	15.16
03 01 30 71-0006	SF	White Aluminum Oxide Grit (Non Slip Aggregate) Patch, Decks And Floors	0.43

03 01 30 71-0007 Verticals Or Overheads *(03 01 30 71-0002)*
Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.

03 01 30 71-0008	SF	1/8" To 1/4" Cementitious Mortar Patch, Verticals And Overheads	7.11
03 01 30 71-0009	SF	1/8" To 1/4" Epoxy Cementitious Mortar Patch, Verticals And Overheads	20.65
03 01 30 71-0010	SF	1/8" To 1/4" Latex Cementitious Mortar Patch, Verticals And Overheads	23.27
03 01 30 71-0011	SF	1/8" To 1/4" Elastomeric Compound Patch, Verticals And Overheads	5.48
03 01 30 71-0012	SF	1/8" To 1/4" Copolymer Cementitious Compound Patch, Verticals And Overheads Note: Rapid Set - Wunderfixx	9.55

03 01 30 71-0013 Bridge Deck Treatment *(03 01 30 71-0002)*

03 01 30 71-0014	SF	Sweep Bridge Deck	0.01
03 01 30 71-0015	SF	Clean Bridge Deck	0.01
03 01 30 71-0016	SF	Treat Bridge Deck With Methacrylate Resin Sealant	1.28

03 01 30 71-0017 Concrete Finishes *(03 01 30 71-0001)*

03 01 30 71-0018 Concrete Patching *(03 01 30 71-0017)*

03 01 30 71-0019 Walls *(03 01 30 71-0018)*

03 01 30 71-0020	BAG	Sika Top 111 Plus Note: SikaTop 111 PLUS is a two-component, polymer-modified, portland-cement, fast-setting, screed mortar. Yield: Approximately 0.5 cu. ft./unit. Approximately 0.75 cu. ft./unit (SikaTop 111 + 42 lbs. of 3/8" pea gravel).	96.76
		For Up To 10, Add	*31.83*
		For >10 To 25, Add	*19.10*
		For >25 To 50, Add	*12.73*
		For >50 To 75, Add	*6.37*
03 01 30 71-0021	BAG	Sika Grout 212, 50 LB Bag Note: SikaGrout 212 is a non-shrink, cementitious grout with a unique 2-stage shrinkage compensating mechanism. It is non-metallic and contains no chloride. Coverage: Approximately 0.44 cu. ft./bag at high flow.	38.94
		For Up To 10, Add	*5.68*
		For >10 To 25, Add	*3.41*
		For >25 To 50, Add	*2.27*
		For >50 To 75, Add	*1.14*
03 01 30 71-0022	EA	Sika Flex 1A, 10.3 Ounce Tube Note: Sikaflex-1a is a premium-grade, high-performance, moisture-cured, 1-component, polyurethane-based, non-sag elastomeric sealant. Coverage: 10.3 fl. oz. cartridge seals 12.4 lineal ft. of 1/2 x 1/4 in. joint. 20 fl. oz. uni-pac sausage seals 24 lineal ft. of 1/2 x 1/4 in. joint.	26.35
03 01 30 71-0023	BAG	Pea Gravel	18.60

03 01 30 71-0024 Crack Repair For Concrete *(03 01 30 71-0001)*

03 01 30 71-0025 Non Structural Crack Repair For Concrete *(03 01 30 71-0024)*

03 01 30 71-0026 Surface Applied, Non Structural Crack Repair For Concrete *(03 01 30 71-0025)*
Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing sealer with caulk gun, cartridge gun, squeeze bottle, etc. Excludes backer rod and sanding.

03 01 30 71-0027	LF	Up To 1/4" Wide, Latex Emulsion, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal)	4.88
		For V-Grooving Crack With Grinder, Add	*3.94*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 01 30 71-0028	LF	>1/4" To 1/2" Wide, Latex Emulsion, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal)	6.35	
		For V-Grooving Crack With Grinder, Add	*3.84*	
03 01 30 71-0029	LF	Up To 1/4" Wide, Sanded Acrylic Latex, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair)	4.95	
		For V-Grooving Crack With Grinder, Add	*3.94*	
03 01 30 71-0030	LF	>1/4" To 1/2" Wide, Sanded Acrylic Latex, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair)	6.49	
		For V-Grooving Crack With Grinder, Add	*3.84*	
03 01 30 71-0031	LF	Up To 1/4" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant)	5.20	
		For V-Grooving Crack With Grinder, Add	*3.94*	
03 01 30 71-0032	LF	>1/4" To 1/2" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant)	7.00	
		For V-Grooving Crack With Grinder, Add	*3.84*	
03 01 30 71-0033	LF	Up To 1/4" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix)	5.39	
		For V-Grooving Crack With Grinder, Add	*3.94*	
03 01 30 71-0034	LF	>1/4" To 1/2" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix)	7.37	
		For V-Grooving Crack With Grinder, Add	*3.84*	
03 01 30 71-0035		**Pressure Injected, Non Structural Crack Repair For Concrete** *(03 01 30 71-0025)*		
		Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with polyurethane and restoring the sealed surface to flush conditions. Excludes disposal.		
03 01 30 71-0036	LF	Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (SealBoss 1570)	19.64	
		For Cracks Accessible From Both Sides, Add	*3.99*	
03 01 30 71-0037		**Structural Crack Repair For Concrete** *(03 01 30 71-0024)*		
03 01 30 71-0038		**Surface Applied, Structural Crack Repair For Concrete** *(03 01 30 71-0037)*		
		Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Excludes disposal.		
03 01 30 71-0039	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35)	5.43	
		For V-Grooving Crack With Grinder, Add	*3.94*	
03 01 30 71-0040	LF	>1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35)	7.46	
		For V-Grooving Crack With Grinder, Add	*3.84*	
03 01 30 71-0041	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied Trowel (Sikadur® 52)	5.43	
		For V-Grooving Crack With Grinder, Add	*3.94*	
03 01 30 71-0042	LF	>1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 52)	7.44	
		For V-Grooving Crack With Grinder, Add	*3.84*	
03 01 30 71-0043	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix)	6.16	
		For V-Grooving Crack With Grinder, Add	*3.94*	
03 01 30 71-0044	LF	>1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix)	8.91	
		For V-Grooving Crack With Grinder, Add	*3.84*	
03 01 30 71-0045		**Pressure Injected, Structural Crack Repair For Concrete** *(03 01 30 71-0037)*		
		Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with epoxy and restoring the sealed surface to flush conditions. Excludes disposal.		
03 01 30 71-0046	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 35)	17.66	
		For Cracks Accessible From Both Sides, Add	*3.99*	
03 01 30 71-0047	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 52)	17.66	
		For Cracks Accessible From Both Sides, Add	*3.99*	
03 01 30 71-0048		**Pool Deck Texture Repair** *(03 01 30 71-0001)*		
03 01 30 71-0049	SF	Pool Deck Texture Repair	10.92	
		Note: Includes surface preparation, cleaning, repair of surface, crack repair, liquid underlayment coat, troweled top coat and finish.		
03 01 30 71-0050		**Carbon Fiber Strengthening System** *(03 01 30 71-0001)*		
		Note: Includes preparing surface, dust and debris removal by hand, clean and protect adjacent area, fill voids, primer, fabric substrate layers, final coat of epoxy and finish. Excludes disposal.		
03 01 30 71-0051	SF	Carbon Fiber Strengthening System Beams, Per Layer	51.92	
		Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.		
03 01 30 71-0052	SF	Carbon Fiber Strengthening System Columns, Per Layer	45.61	
		Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.		
03 01 30 71-0053	SF	Carbon Fiber Strengthening System Slabs, Per Layer	40.08	
		Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.		

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 01 30 71-0054 Corrosive Inhibitor *(03 01 30 71)*

03 01 30 71-0055	SF	Corrosive Inhibitor	3.00	

03 05 Common Work Results For Concrete *(03)*

03 05 00 00-0001 Concrete Admixtures *(03 05)*

03 05 00 00-0002	CY	Low Range Water Reducing (LRWR), Type A Concrete Admixture	3.36	
03 05 00 00-0003	CY	Set Retarding, Type B Concrete Admixture	2.32	
03 05 00 00-0004	CY	1% Calcium Chloride Accelerating, Type C Concrete Admixture	3.61	
03 05 00 00-0005	CY	2% Calcium Chloride Accelerating, Type C Concrete Admixture	7.23	
03 05 00 00-0006	CY	1% Non-Chloride Accelerating, Type C Concrete Admixture	6.46	
03 05 00 00-0007	CY	2% Non-Chloride Accelerating, Type C Concrete Admixture	12.91	
03 05 00 00-0008	CY	Water Reducing and Retarding (Hydration Stabilizer), Type D Concrete Admixture	2.79	
03 05 00 00-0009	CY	1% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture	3.87	
03 05 00 00-0010	CY	2% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture	7.75	
03 05 00 00-0011	CY	Mid Range Water Reducing (MRWR) Superplasticizer, Type A Or E Concrete Admixture	4.19	
03 05 00 00-0012	CY	High Range Water Reducing (HRWR) Superplasticizer, Type F Concrete Admixture	6.20	
03 05 00 00-0013	CY	1-1/2 LB/CY Polyethylene, Polypropylene, Nylon, Synthetic Plastic Fibers, Concrete Admixture	8.26	
03 05 00 00-0014	CY	25 LB/CY Steel Fibers, Concrete Admixture	20.34	
03 05 00 00-0015	CY	10% Microsilica (Silica Fume), Concrete Admixture	67.08	
03 05 00 00-0016	CY	Corrosion Inhibiting Concrete Admixture	15.49	
03 05 00 00-0017	CY	Winter Service Or Heat, Concrete Add	3.61	
03 05 00 00-0018	CY	Chilled Water, Concrete Add	3.61	
03 05 00 00-0019	CY	Subtle Color (See Davis Colors Color Card), Concrete Admixture	20.91	
03 05 00 00-0020	CY	Standard Color (See Davis Colors Color Card), Concrete Admixture	34.86	
03 05 00 00-0021	CY	Premium Color (See Davis Colors Color Card), Concrete Admixture	66.93	
03 05 00 00-0022	CY	Ultra Premium Color (See Davis Colors Color Card), Concrete Admixture	92.95	

03 10 Concrete Forming And Accessories *(03)*

03 11 Concrete Forming *(03 10)*

03 11 13 Structural Cast-In-Place Concrete Forming *(03 11)*

Note: Per square foot of formwork.

03 11 13 00-0001 Wood Formwork *(03 11 13)*

Note: For job built wood and/or plywood form systems where metal framed formwork cannot be used. Includes erecting, stripping, stacking, plywood, framing lumber, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.

03 11 13 00-0002 Foundation Wood Formwork *(03 11 13 00-0001)*

Note: For foundation work below or at grade.

03 11 13 00-0003	SF	Continuous Footings Foundation Wood Formwork	5.81	
		For <1,000, Add	*1.08*	
		For Foundations >8' Below Grade, Add	*1.04*	
		For Curved Formwork, Add	*2.09*	
03 11 13 00-0004	SF	Pile Cap, Pier Or Spread Footings Foundation Wood Formwork	6.93	
		For <1,000, Add	*1.30*	
		For Foundations >8' Below Grade, Add	*1.26*	
		For Curved Formwork, Add	*2.52*	
03 11 13 00-0005	SF	Mat Foundation Wood Formwork	8.01	
		For <1,000, Add	*1.53*	
		For Foundations >8' Below Grade, Add	*1.49*	
		For Curved Formwork, Add	*2.97*	
03 11 13 00-0006	SF	Grade Beams Or Duct Bank Foundation Wood Formwork	6.66	
		For <1,000, Add	*1.26*	
		For Foundations >8' Below Grade, Add	*1.22*	
		For Curved Formwork, Add	*2.43*	
03 11 13 00-0007	SF	Below Grade Walls Foundation Wood Formwork	9.45	
		Note: Excludes footing		
		For <1,000, Add	*1.78*	
		For Foundations >8' Below Grade, Add	*1.72*	
		For Curved Formwork, Add	*3.44*	

03 11 13 00-0008 Slab Edge And Block-Out Wood Formwork *(03 11 13 00-0001)*

03 11 13 00-0009	LF	Up To 6" High Slab Edge and Block-Out Wood Formwork	4.48	
		For Foundations >8' Below Grade, Add	*0.83*	
		For Curved Formwork, Add	*1.67*	
		For <250, Add	*0.85*	
03 11 13 00-0010	LF	>6" To 12" High Slab Edge and Block-Out Wood Formwork	6.44	
		For Foundations >8' Below Grade, Add	*1.16*	
		For Curved Formwork, Add	*2.33*	
		For <250, Add	*1.21*	
03 11 13 00-0011	SF	>12" High Slab Edge and Block-Out Wood Formwork	8.28	
		For Foundations >8' Below Grade, Add	*1.51*	
		For Curved Formwork, Add	*3.01*	
		For <1,000, Add	*1.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 11 13 00-0012 Column Wood Formwork *(03 11 13 00-0001)*

03 11 13 00-0013	LF	Up To 8" Square Column Wood Formwork	34.75	
03 11 13 00-0014	LF	>8" To 12" Square Column Wood Formwork	50.77	
03 11 13 00-0015	LF	>12" To 18" Square Column Wood Formwork	63.72	
03 11 13 00-0016	LF	>18" To 24" Square Column Wood Formwork	91.24	
03 11 13 00-0017	LF	>24" To 36" Square Column Wood Formwork	130.87	
03 11 13 00-0018	LF	>36" To 48" Square Column Wood Formwork	172.76	

03 11 13 00-0019 Above Grade Wall Wood Formwork *(03 11 13 00-0001)*

03 11 13 00-0020	SF	Up To 8' High Above Grade Wall Wood Formwork	10.56	
		For Curved Formwork, Add	*3.88*	
		For <1,000, Add	*2.00*	
03 11 13 00-0021	SF	>8' High Above Grade Wall Wood Formwork	12.51	
		For Curved Formwork, Add	*4.61*	
		For <1,000, Add	*2.37*	

03 11 13 00-0022 Elevated Beam Wood Formwork *(03 11 13 00-0001)*

Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.

03 11 13 00-0023	SF	Bottom of Elevated Beam Wood Formwork	13.69	
		For Curved Formwork, Add	*5.05*	
		For <1,000, Add	*2.60*	
03 11 13 00-0024	SF	Vertical Sides of Elevated Beam Wood Formwork	8.76	
		For Curved Formwork, Add	*3.23*	
		For <1,000, Add	*1.66*	

03 11 13 00-0025 Elevated Slab Wood Formwork *(03 11 13 00-0001)*

Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.

03 11 13 00-0026	SF	Elevated Slab Wood Formwork	8.09	
		For <1,000, Add	*1.49*	

03 11 13 00-0027 Metal Framed Formwork *(03 11 13)*

Note: For all metal framed and metal form systems. Includes erecting, stripping, stacking, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.

03 11 13 00-0028 Foundation Metal Framed Formwork *(03 11 13 00-0027)*

Note: For foundation work below or at grade.

03 11 13 00-0029	SF	Continuous Footings Foundation Metal Framed Formwork	4.98	
		For <1,000, Add	*0.95*	
		For Foundations >8' Below Grade, Add	*0.92*	
		For Curved Formwork, Add	*1.84*	
03 11 13 00-0030	SF	Pile Cap, Pier Or Spread Footings Foundation Metal Framed Formwork	5.56	
		For <1,000, Add	*1.06*	
		For Foundations >8' Below Grade, Add	*1.03*	
		For Curved Formwork, Add	*2.07*	
03 11 13 00-0031	SF	Mat Foundation Metal Framed Formwork	6.17	
		For <1,000, Add	*1.17*	
		For Foundations >8' Below Grade, Add	*1.14*	
		For Curved Formwork, Add	*2.27*	
03 11 13 00-0032	SF	Grade Beams Or Duct Bank Foundation Metal Framed Formwork	5.19	
		For <1,000, Add	*0.98*	
		For Foundations >8' Below Grade, Add	*0.95*	
		For Curved Formwork, Add	*1.91*	
03 11 13 00-0033	SF	Below Grade Walls Foundation Metal Framed Formwork	8.03	
		Note: Excludes footing.		
		For <1,000, Add	*1.54*	
		For Foundations >8' Below Grade, Add	*1.50*	
		For Curved Formwork, Add	*3.00*	

03 11 13 00-0034 Slab Edge And Block-Out Metal Framed Formwork *(03 11 13 00-0027)*

03 11 13 00-0035	LF	Up To 6" High Slab Edge and Block-Out Metal Framed Formwork	3.83	
		For Foundations >8' Below Grade, Add	*0.75*	
		For Curved Formwork, Add	*1.51*	
		For <250, Add	*0.76*	
03 11 13 00-0036	LF	>6" To 12" High Slab Edge and Block-Out Metal Framed Formwork	4.78	
		For Foundations >8' Below Grade, Add	*0.94*	
		For Curved Formwork, Add	*1.87*	
		For <250, Add	*0.94*	
03 11 13 00-0037	SF	>12" High Slab Edge and Block-Out Metal Framed Formwork	5.28	
		For Foundations >8' Below Grade, Add	*1.03*	
		For Curved Formwork, Add	*2.07*	
		For <1,000, Add	*1.04*	

03 11 13 00-0038 Column Metal Framed Formwork *(03 11 13 00-0027)*

03 11 13 00-0039 Square Columns *(03 11 13 00-0038)*

03 11 13 00-0040	LF	Up To 12" Square Column Metal Framed Formwork	30.60	
03 11 13 00-0041	LF	>12" To 16" Square Column Metal Framed Formwork	36.82	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0042	LF	>16" To 20" Square Column Metal Framed Formwork	43.06	
03 11 13 00-0043	LF	>20" To 24" Square Column Metal Framed Formwork	51.53	
03 11 13 00-0044	LF	>24" To 30" Square Column Metal Framed Formwork	61.99	
03 11 13 00-0045	LF	>30" To 36" Square Column Metal Framed Formwork	74.30	
03 11 13 00-0046	LF	>36" To 48" Square Column Metal Framed Formwork	95.23	
03 11 13 00-0047	LF	>48" To 60" Square Column Metal Framed Formwork	117.24	

03 11 13 00-0048 Round Columns *(03 11 13 00-0038)*

03 11 13 00-0049	LF	Up To 12" Diameter Column Metal Formwork	25.83	
03 11 13 00-0050	LF	>12" To 16" Diameter Column Metal Formwork	29.07	
03 11 13 00-0051	LF	>16" To 20" Diameter Column Metal Formwork	33.71	
03 11 13 00-0052	LF	>20" To 24" Diameter Column Metal Formwork	39.96	
03 11 13 00-0053	LF	>24" To 30" Diameter Column Metal Formwork	47.60	
03 11 13 00-0054	LF	>30" To 36" Diameter Column Metal Formwork	54.83	
03 11 13 00-0055	LF	>36" To 48" Diameter Column Metal Formwork	69.45	
03 11 13 00-0056	LF	>48" To 60" Diameter Column Metal Formwork	86.65	

03 11 13 00-0057 Above Grade Wall Metal Framed Formwork *(03 11 13 00-0027)*

03 11 13 00-0058	SF	Up to 8' High Above Grade Wall Metal Framed Formwork	4.76	
		For Curved Formwork, Add	*1.69*	
		For <1,000, Add	*0.88*	
03 11 13 00-0059	SF	>8' High Above Grade Wall Metal Framed Formwork	5.76	
		For Curved Formwork, Add	*2.03*	
		For <1,000, Add	*1.06*	

03 11 13 00-0060 Elevated Beam Metal Framed Formwork *(03 11 13 00-0027)*

Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.

03 11 13 00-0061	SF	Bottom of Elevated Beam Metal Framed Formwork	4.71	
		For Curved Formwork, Add	*1.58*	
		For <1,000, Add	*0.84*	
03 11 13 00-0062	SF	Vertical Sides of Elevated Beam Metal Framed Formwork	3.51	
		For Curved Formwork, Add	*1.23*	
		For <1,000, Add	*0.65*	

03 11 13 00-0063 Elevated Slab Metal Framed Formwork *(03 11 13 00-0027)*

Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.

03 11 13 00-0064	SF	Elevated Slab Metal Framed Formwork	6.19	
		For <1,000, Add	*0.99*	

03 11 13 00-0065 Fiber Tube Formwork *(03 11 13)*

Note: Includes all supporting braces, erecting, aligning, stripping, turnbuckles, ties and clips.

03 11 13 00-0066 Round Column Fiber Tube Formwork *(03 11 13 00-0065)*

03 11 13 00-0067	LF	8" Diameter Round Fiber Tube Formwork	15.20	
		For Plastic Lined, Add	*0.82*	
		For Columns >12' In Length, Add	*1.52*	
03 11 13 00-0068	LF	10" Diameter Round Fiber Tube Formwork	17.12	
		For Plastic Lined, Add	*1.04*	
		For Columns >12' In Length, Add	*1.71*	
03 11 13 00-0069	LF	12" Diameter Round Fiber Tube Formwork	19.52	
		For Plastic Lined, Add	*1.20*	
		For Columns >12' In Length, Add	*1.95*	
03 11 13 00-0070	LF	14" Diameter Round Fiber Tube Formwork	21.39	
		For Plastic Lined, Add	*1.37*	
		For Columns >12' In Length, Add	*2.14*	
03 11 13 00-0071	LF	16" Diameter Round Fiber Tube Formwork	22.57	
		For Plastic Lined, Add	*1.55*	
		For Columns >12' In Length, Add	*2.26*	
03 11 13 00-0072	LF	18" Diameter Round Fiber Tube Formwork	25.27	
		For Plastic Lined, Add	*2.15*	
		For Columns >12' In Length, Add	*2.53*	
03 11 13 00-0073	LF	20" Diameter Round Fiber Tube Formwork	27.84	
		For Plastic Lined, Add	*2.72*	
		For Columns >12' In Length, Add	*2.78*	
03 11 13 00-0074	LF	22" Diameter Round Fiber Tube Formwork	29.39	
		For Plastic Lined, Add	*2.91*	
		For Columns >12' In Length, Add	*2.94*	
03 11 13 00-0075	LF	24" Diameter Round Fiber Tube Formwork	30.95	
		For Plastic Lined, Add	*3.09*	
		For Columns >12' In Length, Add	*3.10*	
03 11 13 00-0076	LF	26" Diameter Round Fiber Tube Formwork	32.06	
		For Plastic Lined, Add	*3.32*	
		For Columns >12' In Length, Add	*3.21*	
03 11 13 00-0077	LF	28" Diameter Round Fiber Tube Formwork	33.27	
		For Plastic Lined, Add	*3.57*	
		For Columns >12' In Length, Add	*3.33*	
03 11 13 00-0078	LF	30" Diameter Round Fiber Tube Formwork	34.63	
		For Plastic Lined, Add	*3.86*	
		For Columns >12' In Length, Add	*3.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0079	LF	36" Diameter Round Fiber Tube Formwork	39.29	
		For Plastic Lined, Add	*4.85*	
		For Columns >12' In Length, Add	*3.93*	
03 11 13 00-0080	LF	42" Diameter Round Fiber Tube Formwork	48.51	
		For Plastic Lined, Add	*7.32*	
		For Columns >12' In Length, Add	*4.85*	
03 11 13 00-0081	LF	48" Diameter Round Fiber Tube Formwork	57.70	
		For Plastic Lined, Add	*9.79*	
		For Columns >12' In Length, Add	*5.77*	

03 11 13 00-0082 Accessories For Formwork *(03 11 13)*

03 11 13 00-0083 Keyway Forms, All Materials *(03 11 13 00-0082)*

03 11 13 00-0084	LF	2" x 4" To 2" x 6" Keyway Forms for Concrete Formwork, All Materials	1.58	

03 11 13 00-0085 Chamfer Strips, All Materials *(03 11 13 00-0082)*

03 11 13 00-0086	LF	1/2" Wide Chamfer Strips for Concrete Formwork, All Materials	1.66	
03 11 13 00-0087	LF	3/4" Wide Chamfer Strips for Concrete Formwork, All Materials	1.93	
03 11 13 00-0088	LF	1" Wide Chamfer Strips for Concrete Formwork, All Materials	2.23	

03 11 13 00-0089 Reglets *(03 11 13 00-0082)*

03 11 13 00-0090	LF	24 To 26 Gauge Galvanized Steel Reglets for Concrete Formwork	7.81	

03 11 13 00-0091 Sleeves And Chases, Plastic Or Sheet Metal *(03 11 13 00-0082)*

03 11 13 00-0092	EA	2" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	9.09	
03 11 13 00-0093	EA	4" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	10.84	
03 11 13 00-0094	EA	6" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	13.09	
03 11 13 00-0095	EA	8" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	14.58	
03 11 13 00-0096	EA	12" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	18.71	
03 11 13 00-0097	EA	18" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	38.66	

03 11 16 Architectural Cast-In-Place Concrete Forming *(03 11)*

03 11 16 00-0001 Concrete Form Liners *(03 11 16)*

03 11 16 00-0002	SF	Concrete Form Liner, Various Patterns And Textures, Add To Formwork	4.02	

03 11 23 Permanent Stair Forming *(03 11)*

03 11 23 00-0001 Stairway Wood Formwork *(03 11 23)*

03 11 23 00-0002	SF	Cast On Grade Stairway Wood Formwork	13.41	
		For Curved Formwork, Add	*5.15*	
		For <1,000, Add	*2.61*	
03 11 23 00-0003	SF	Elevated Stairway Wood Formwork	26.39	
		Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.		
		For Curved Formwork, Add	*10.01*	
		For <1,000, Add	*5.10*	

03 11 23 00-0004 Stairway Metal Framed Formwork *(03 11 23)*

03 11 23 00-0005	SF	Cast On Grade Stairway Metal Framed Formwork	10.79	
		For Curved Formwork, Add	*4.17*	
		For <1,000, Add	*2.11*	
03 11 23 00-0006	SF	Elevated Stairway Metal Framed Formwork	20.09	
		Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.		
		For Curved Formwork, Add	*7.75*	
		For <1,000, Add	*3.92*	

03 15 Concrete Accessories *(03 10)*

03 15 13 Waterstops *(03 15)*

03 15 13 13 Non-Expanding Waterstops *(03 15 13)*

03 15 13 13-0001 Polyvinyl Chloride (PVC) Waterstops *(03 15 13 13)*

03 15 13 13-0002	LF	3/16" Thick x 4" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	5.87	
03 15 13 13-0003	LF	3/16" Thick x 6" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	6.53	
03 15 13 13-0004	LF	3/16" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb	7.67	
03 15 13 13-0005	LF	3/8" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb	8.32	
03 15 13 13-0006	LF	1/2" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	11.67	
03 15 13 13-0007	LF	3/16" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop	6.01	
03 15 13 13-0008	LF	3/8" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop	7.66	
03 15 13 13-0009	LF	3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop	12.60	
03 15 13 13-0010	LF	3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop With Center Bulb	10.30	

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			MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION			UNIT COST	UNIT COST

03 15 13 13-0011 Rubber Waterstops *(03 15 13 13)*

03 15 13 13-0012	LF	3/8" Thick x 6" Wide Rubber Dumbbell Waterstop	7.36	
03 15 13 13-0013	LF	3/8" Thick x 9" Wide Rubber Dumbbell Waterstop	8.57	
03 15 13 13-0014	LF	1/4" Thick x 6" Wide Rubber Waterstop, With Center Bulb	8.04	
03 15 13 13-0015	LF	1/4" Thick x 9" Wide Rubber Waterstop, With Center Bulb	11.38	
03 15 13 13-0016	LF	3/8" Thick x 6" Wide Rubber Waterstop, With Center Bulb	9.05	
03 15 13 13-0017	LF	3/8" Thick x 9" Wide Rubber Waterstop, With Center Bulb	11.93	

03 15 13 16 Expanding Waterstops *(03 15 13)*

03 15 13 16-0001 Bentonite Waterstops *(03 15 13 16)*

03 15 13 16-0002	LF	3/4" x 3/8" Bentonite Waterstop	5.05	
03 15 13 16-0003	LF	1-1/4" x 1/2" Bentonite Waterstop	7.50	
03 15 13 16-0004	LF	1" x 3/4" Bentonite Waterstop	8.37	
03 15 13 16-0005	LF	1" x 1" Bentonite Waterstop	9.33	

03 15 16 Concrete Construction Joints *(03 15)*

03 15 16 00-0001 Poured Expansion Joint *(03 15 16)*

03 15 16 00-0002	LF	1/2" x 1" Plain Asphalt Expansion Joint, Poured	2.58	0.68
		For Installation In Walls, Add	*1.13*	
03 15 16 00-0003	LF	1" x 2" Plain Asphalt Expansion Joint, Poured	5.50	0.68
		For Installation In Walls, Add	*1.28*	
03 15 16 00-0004	LF	1/2" x 1" Liquid Neoprene Expansion Joint, Poured, Cold Applied	2.26	0.68
		For Installation In Walls, Add	*1.13*	
03 15 16 00-0005	LF	1" x 2" Liquid Neoprene Expansion Joint, Poured, Cold Applied	4.71	0.68
		For Installation In Walls, Add	*1.28*	
03 15 16 00-0006	LF	1/2" x 1" Polyurethane Expansion Joint, Poured, 2 Parts	2.36	0.68
		For Installation In Walls, Add	*1.28*	
03 15 16 00-0007	LF	1" x 2" Polyurethane Expansion Joint, Poured, Hot Or Cold Applied	5.34	0.68
		For Installation In Walls, Add	*2.08*	
03 15 16 00-0008	LF	1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Or Cold Applied	1.86	0.68
		For Installation In Walls, Add	*1.13*	
03 15 16 00-0009	LF	1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant	2.26	0.68
		For Installation In Walls, Add	*1.13*	
03 15 16 00-0010	LF	1" x 2" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant	3.06	0.68
		For Installation In Walls, Add	*1.28*	

03 15 16 00-0011 Premolded Expansion Joints *(03 15 16)*

03 15 16 00-0012 Asphalt Saturated Fiber, Premolded Expansion Joints *(03 15 16 00-0011)*

03 15 16 00-0013	LF	1/4" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	1.69	0.78
03 15 16 00-0014	LF	1/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	1.90	0.83
03 15 16 00-0015	LF	1/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	2.05	0.87
03 15 16 00-0016	LF	1/4" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	2.20	0.90
03 15 16 00-0017	LF	3/8" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	1.82	0.78
03 15 16 00-0018	LF	3/8" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	2.01	0.83
03 15 16 00-0019	LF	3/8" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	2.24	0.87
03 15 16 00-0020	LF	3/8" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	2.58	0.90
03 15 16 00-0021	LF	1/2" x 2" Asphalt Saturated Fiber, Premolded Expansion Joint	1.66	0.74
03 15 16 00-0022	LF	1/2" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	1.80	0.78
03 15 16 00-0023	LF	1/2" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	1.96	0.83
03 15 16 00-0024	LF	1/2" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	2.10	0.87
03 15 16 00-0025	LF	1/2" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	2.27	0.90
03 15 16 00-0026	LF	1/2" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint	2.51	0.94
03 15 16 00-0027	LF	1/2" x 10" Asphalt Saturated Fiber, Premolded Expansion Joint	2.70	0.98
03 15 16 00-0028	LF	1/2" x 12" Asphalt Saturated Fiber, Premolded Expansion Joint	3.00	1.02
03 15 16 00-0029	LF	3/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	1.97	0.83
03 15 16 00-0030	LF	3/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	2.24	0.87
03 15 16 00-0031	LF	3/4" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint	2.71	0.94
03 15 16 00-0032	SF	1" Asphalt Saturated Fiber, Premolded Expansion Joint	4.62	1.29

03 15 16 00-0033 Cork, Premolded Expansion Joints *(03 15 16 00-0011)*

03 15 16 00-0034	LF	1/2" x 4" Cork, Premolded Expansion Joint	2.73	0.83
03 15 16 00-0035	LF	1/2" x 6" Cork, Premolded Expansion Joint	3.07	0.90
03 15 16 00-0036	LF	1/2" x 8" Cork, Premolded Expansion Joint	3.33	0.94
03 15 16 00-0037	LF	1/2" x 10" Cork, Premolded Expansion Joint	4.58	0.98
03 15 16 00-0038	LF	1/2" x 12" Cork, Premolded Expansion Joint	4.87	1.02
03 15 16 00-0039	SF	1/2" Cork, Premolded Expansion Joint	5.43	1.29
03 15 16 00-0040	SF	3/4" Cork, Premolded Expansion Joint	6.24	1.29
03 15 16 00-0041	SF	1" Cork, Premolded Expansion Joint	6.61	1.29

03 15 16 00-0042 Flexible Polyethylene Foam, Premolded Expansion Joints *(03 15 16 00-0011)*

03 15 16 00-0043	LF	1/4" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint	1.81	0.83
03 15 16 00-0044	LF	1/4" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint	1.89	0.87
03 15 16 00-0045	LF	1/4" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint	2.00	0.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 16 00-0046	LF	1/4" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint	2.29	0.94
03 15 16 00-0047	LF	1/2" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint	1.86	0.83
03 15 16 00-0048	LF	1/2" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint	1.95	0.87
03 15 16 00-0049	LF	1/2" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint	2.03	0.90
03 15 16 00-0050	LF	1/2" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint	2.22	0.94
03 15 16 00-0051		Zip Strip, Premolded Expansion Joints *(03 15 16 00-0011)*		
03 15 16 00-0052	LF	1" Zip Strip, Premolded Expansion Joint	1.83	0.83
03 15 16 00-0053	LF	1-1/2" Zip Strip, Premolded Expansion Joint	1.99	0.87
03 15 16 00-0054	LF	2" Zip Strip, Premolded Expansion Joint	2.21	0.94
03 15 16 00-0055		Sponge Rubber, Premolded Expansion Joints *(03 15 16 00-0011)*		
03 15 16 00-0056	LF	1/2" x 4" Sponge Rubber, Premolded Expansion Joint	3.63	0.78
03 15 16 00-0057	LF	1/2" x 6" Sponge Rubber, Premolded Expansion Joint	4.34	0.78
03 15 16 00-0058		Asphalt Felt Control Joints Or Bond Breaker *(03 15 16)*		
03 15 16 00-0059	SF	Asphalt Felt Control Joint, 30 LB Felt Bond Breaker	0.91	0.58
03 15 16 00-0060	SF	Asphalt Felt Control Joint, 15 LB Felt Bond Breaker	0.84	0.58
03 15 16 00-0061		Keyed Cold Expansion And Control Joints *(03 15 16)*		
03 15 16 00-0062		24 Gauge Galvanized Steel With Stakes *(03 15 16 00-0061)*		
03 15 16 00-0063	LF	24 Gauge Galvanized Steel Keyed Joint, 3-1/2" Cold Expansion Or Control Joint	4.47	
03 15 16 00-0064	LF	24 Gauge Galvanized Steel Keyed Joint, 4-1/2" Cold Expansion Or Control Joint	4.55	
03 15 16 00-0065	LF	24 Gauge Galvanized Steel Keyed Joint, 5-1/2" Cold Expansion Or Control Joint	4.72	
03 15 16 00-0066	LF	24 Gauge Galvanized Steel Keyed Joint, 7-1/2" Cold Expansion Or Control Joint	5.00	
03 15 16 00-0067	LF	24 Gauge Galvanized Steel Keyed Joint, 9-1/2" Cold Expansion Or Control Joint	6.25	

03 15 19 Cast-In Concrete Anchors *(03 15)*

03 15 19 00-0001		Cast In Place Anchors *(03 15 19)* Note: For cast in place installations. Includes nut and washer.		
03 15 19 00-0002		J-Type Anchor Bolts *(03 15 19 00-0001)* See CSI section 03 11 13 00-0002 for template.		
03 15 19 00-0003		1/2" And 5/8" Diameter *(03 15 19 00-0002)*		
03 15 19 00-0004	EA	1/2" Diameter x 6" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	5.88	
		For Galvanized, Add	*0.72*	
		For Stainless Steel, Add	*5.01*	
		For >10 To 50, Deduct	*-0.22*	
		For >50 To 100, Deduct	*-0.48*	
		For >100, Deduct	*-0.96*	
03 15 19 00-0005	EA	1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	6.61	
		For Galvanized, Add	*0.91*	
		For Stainless Steel, Add	*6.37*	
		For >10 To 50, Deduct	*-0.24*	
		For >50 To 100, Deduct	*-0.52*	
		For >100, Deduct	*-1.05*	
03 15 19 00-0006	EA	1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	7.71	
		For Galvanized, Add	*1.26*	
		For Stainless Steel, Add	*8.79*	
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.58*	
		For >100, Deduct	*-1.17*	
03 15 19 00-0007	EA	5/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	8.48	
		For Galvanized, Add	*1.64*	
		For Stainless Steel, Add	*11.48*	
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.60*	
		For >100, Deduct	*-1.20*	
03 15 19 00-0008	EA	5/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	10.05	
		For Galvanized, Add	*2.19*	
		For Stainless Steel, Add	*15.33*	
		For >10 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.68*	
		For >100, Deduct	*-1.35*	
03 15 19 00-0009	EA	5/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	11.24	
		For Galvanized, Add	*2.51*	
		For Stainless Steel, Add	*17.54*	
		For >10 To 50, Deduct	*-0.31*	
		For >50 To 100, Deduct	*-0.75*	
		For >100, Deduct	*-1.50*	
03 15 19 00-0010		3/4" And 7/8" Diameter *(03 15 19 00-0002)*		

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0011	EA	3/4" Diameter x 8" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	11.20	
		For Galvanized, Add	*2.49*	
		For Stainless Steel, Add	*17.40*	
		For >10 To 50, Deduct	*-0.31*	
		For >50 To 100, Deduct	*-0.75*	
		For >100, Deduct	*-1.49*	
03 15 19 00-0012	EA	3/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	12.72	
		For Galvanized, Add	*2.90*	
		For Stainless Steel, Add	*20.27*	
		For >10 To 50, Deduct	*-0.35*	
		For >50 To 100, Deduct	*-0.84*	
		For >100, Deduct	*-1.68*	
03 15 19 00-0013	EA	3/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	15.21	
		For Galvanized, Add	*3.71*	
		For Stainless Steel, Add	*25.97*	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.96*	
		For >100, Deduct	*-1.93*	
03 15 19 00-0014	EA	3/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	18.08	
		For Galvanized, Add	*4.68*	
		For Stainless Steel, Add	*32.73*	
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-1.11*	
		For >100, Deduct	*-2.21*	
03 15 19 00-0015	EA	7/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	14.59	
		For Galvanized, Add	*3.40*	
		For Stainless Steel, Add	*23.80*	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.95*	
		For >100, Deduct	*-1.90*	
03 15 19 00-0016	EA	7/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	17.04	
		For Galvanized, Add	*4.07*	
		For Stainless Steel, Add	*28.49*	
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-1.09*	
		For >100, Deduct	*-2.19*	
03 15 19 00-0017	EA	7/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	21.24	
		For Galvanized, Add	*5.43*	
		For Stainless Steel, Add	*37.98*	
		For >10 To 50, Deduct	*-0.52*	
		For >50 To 100, Deduct	*-1.31*	
		For >100, Deduct	*-2.62*	

03 15 19 00-0018 1" And 1-1/8" Diameter *(03 15 19 00-0002)*

03 15 19 00-0019	EA	1" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	17.69	
		For Galvanized, Add	*4.40*	
		For Stainless Steel, Add	*30.77*	
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-1.11*	
		For >100, Deduct	*-2.22*	
03 15 19 00-0020	EA	1" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	20.97	
		For Galvanized, Add	*5.29*	
		For Stainless Steel, Add	*37.03*	
		For >10 To 50, Deduct	*-0.52*	
		For >50 To 100, Deduct	*-1.30*	
		For >100, Deduct	*-2.61*	
03 15 19 00-0021	EA	1" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	25.72	
		For Galvanized, Add	*6.63*	
		For Stainless Steel, Add	*46.41*	
		For >10 To 50, Deduct	*-0.62*	
		For >50 To 100, Deduct	*-1.58*	
		For >100, Deduct	*-3.16*	
03 15 19 00-0022	EA	1" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	31.78	
		For Galvanized, Add	*8.10*	
		For Stainless Steel, Add	*56.70*	
		For >10 To 50, Deduct	*-0.78*	
		For >50 To 100, Deduct	*-1.96*	
		For >100, Deduct	*-3.93*	
03 15 19 00-0023	EA	1-1/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	20.77	
		For Galvanized, Add	*5.50*	
		For Stainless Steel, Add	*38.47*	
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-1.25*	
		For >100, Deduct	*-2.51*	
03 15 19 00-0024	EA	1-1/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	24.62	
		For Galvanized, Add	*6.61*	
		For Stainless Steel, Add	*46.27*	
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.47*	
		For >100, Deduct	*-2.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0025	EA	1-1/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	30.26	
		For Galvanized, Add	*8.29*	
		For Stainless Steel, Add	*58.03*	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.78*	
		For >100, Deduct	*-3.57*	
03 15 19 00-0026	EA	1-1/8" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	37.36	
		For Galvanized, Add	*10.13*	
		For Stainless Steel, Add	*70.88*	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-2.22*	
		For >100, Deduct	*-4.43*	

03 15 19 00-0027 1-1/4" And 1-1/2" Diameter *(03 15 19 00-0002)*

03 15 19 00-0028	EA	1-1/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	24.55	
		For Galvanized, Add	*6.87*	
		For Stainless Steel, Add	*48.06*	
		For >10 To 50, Deduct	*-0.54*	
		For >50 To 100, Deduct	*-1.43*	
		For >100, Deduct	*-2.85*	
03 15 19 00-0029	EA	1-1/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	29.16	
		For Galvanized, Add	*8.27*	
		For Stainless Steel, Add	*57.86*	
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.68*	
		For >100, Deduct	*-3.35*	
03 15 19 00-0030	EA	1-1/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	35.88	
		For Galvanized, Add	*10.37*	
		For Stainless Steel, Add	*72.56*	
		For >10 To 50, Deduct	*-0.76*	
		For >50 To 100, Deduct	*-2.03*	
		For >100, Deduct	*-4.07*	
03 15 19 00-0031	EA	1-1/4" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	44.25	
		For Galvanized, Add	*12.66*	
		For Stainless Steel, Add	*88.59*	
		For >10 To 50, Deduct	*-0.95*	
		For >50 To 100, Deduct	*-2.53*	
		For >100, Deduct	*-5.05*	
03 15 19 00-0032	EA	1-1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	29.31	
		For Galvanized, Add	*8.59*	
		For Stainless Steel, Add	*60.10*	
		For >10 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-1.64*	
		For >100, Deduct	*-3.29*	
03 15 19 00-0033	EA	1-1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	34.83	
		For Galvanized, Add	*10.33*	
		For Stainless Steel, Add	*72.31*	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.93*	
		For >100, Deduct	*-3.87*	
03 15 19 00-0034	EA	1-1/2" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	42.91	
		For Galvanized, Add	*12.96*	
		For Stainless Steel, Add	*90.69*	
		For >10 To 50, Deduct	*-0.85*	
		For >50 To 100, Deduct	*-2.35*	
		For >100, Deduct	*-4.70*	
03 15 19 00-0035	EA	1-1/2" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	52.88	
		For Galvanized, Add	*15.82*	
		For Stainless Steel, Add	*110.74*	
		For >10 To 50, Deduct	*-1.06*	
		For >50 To 100, Deduct	*-2.92*	
		For >100, Deduct	*-5.83*	

03 15 19 00-0036 L-Type Anchor Bolts *(03 15 19 00-0001)*

See CSI section 03 11 13 00-0002 for template.

03 15 19 00-0037 3/4" And 7/8" Diameter *(03 15 19 00-0036)*

03 15 19 00-0038	EA	3/4" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	10.73	
		For Galvanized, Add	*1.90*	
		For Stainless Steel, Add	*13.30*	
		For >10 To 50, Deduct	*-0.35*	
		For >50 To 100, Deduct	*-0.79*	
		For >100, Deduct	*-1.58*	
03 15 19 00-0039	EA	3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	12.48	
		For Galvanized, Add	*2.35*	
		For Stainless Steel, Add	*16.42*	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.90*	
		For >100, Deduct	*-1.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0040	EA	3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	14.28	
		For Galvanized, Add	*2.69*	
		For Stainless Steel, Add	*18.83*	
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-1.02*	
		For >100, Deduct	*-2.05*	
03 15 19 00-0041	EA	3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	15.98	
		For Galvanized, Add	*2.80*	
		For Stainless Steel, Add	*19.57*	
		For >10 To 50, Deduct	*-0.52*	
		For >50 To 100, Deduct	*-1.18*	
		For >100, Deduct	*-2.36*	
03 15 19 00-0042	EA	3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	18.33	
		For Galvanized, Add	*2.94*	
		For Stainless Steel, Add	*20.55*	
		For >10 To 50, Deduct	*-0.62*	
		For >50 To 100, Deduct	*-1.39*	
		For >100, Deduct	*-2.79*	
03 15 19 00-0043	EA	7/8" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	12.50	
		For Galvanized, Add	*2.36*	
		For Stainless Steel, Add	*16.49*	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.90*	
		For >100, Deduct	*-1.79*	
03 15 19 00-0044	EA	7/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	14.39	
		For Galvanized, Add	*2.75*	
		For Stainless Steel, Add	*19.22*	
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-1.03*	
		For >100, Deduct	*-2.05*	
03 15 19 00-0045	EA	7/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	16.68	
		For Galvanized, Add	*3.15*	
		For Stainless Steel, Add	*22.02*	
		For >10 To 50, Deduct	*-0.52*	
		For >50 To 100, Deduct	*-1.20*	
		For >100, Deduct	*-2.39*	
03 15 19 00-0046	EA	7/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	19.00	
		For Galvanized, Add	*3.27*	
		For Stainless Steel, Add	*22.89*	
		For >10 To 50, Deduct	*-0.62*	
		For >50 To 100, Deduct	*-1.41*	
		For >100, Deduct	*-2.82*	
03 15 19 00-0047	EA	7/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	22.45	
		For Galvanized, Add	*3.44*	
		For Stainless Steel, Add	*24.05*	
		For >10 To 50, Deduct	*-0.78*	
		For >50 To 100, Deduct	*-1.73*	
		For >100, Deduct	*-3.46*	

03 15 19 00-0048 1" And 1-1/8" Diameter *(03 15 19 00-0036)*

03 15 19 00-0049	EA	1" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	14.94	
		For Galvanized, Add	*3.02*	
		For Stainless Steel, Add	*21.14*	
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-1.04*	
		For >100, Deduct	*-2.08*	
03 15 19 00-0050	EA	1" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	17.19	
		For Galvanized, Add	*3.40*	
		For Stainless Steel, Add	*23.80*	
		For >10 To 50, Deduct	*-0.52*	
		For >50 To 100, Deduct	*-1.21*	
		For >100, Deduct	*-2.42*	
03 15 19 00-0051	EA	1" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	20.06	
		For Galvanized, Add	*3.80*	
		For Stainless Steel, Add	*26.60*	
		For >10 To 50, Deduct	*-0.62*	
		For >50 To 100, Deduct	*-1.44*	
		For >100, Deduct	*-2.87*	
03 15 19 00-0052	EA	1" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	21.51	
		For Galvanized, Add	*3.98*	
		For Stainless Steel, Add	*27.86*	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.55*	
		For >100, Deduct	*-3.11*	
03 15 19 00-0053	EA	1" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	23.91	
		For Galvanized, Add	*4.17*	
		For Stainless Steel, Add	*29.16*	
		For >10 To 50, Deduct	*-0.78*	
		For >50 To 100, Deduct	*-1.77*	
		For >100, Deduct	*-3.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0054	EA	1" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	26.97	
		For Galvanized, Add	*4.83*	
		For Stainless Steel, Add	*33.81*	
		For >10 To 50, Deduct	*-0.87*	
		For >50 To 100, Deduct	*-1.97*	
		For >100, Deduct	*-3.95*	
03 15 19 00-0055	EA	1" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	32.07	
		For Galvanized, Add	*5.65*	
		For Stainless Steel, Add	*39.55*	
		For >10 To 50, Deduct	*-1.04*	
		For >50 To 100, Deduct	*-2.36*	
		For >100, Deduct	*-4.72*	
03 15 19 00-0056	EA	1-1/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	18.34	
		For Galvanized, Add	*3.98*	
		For Stainless Steel, Add	*27.83*	
		For >10 To 50, Deduct	*-0.52*	
		For >50 To 100, Deduct	*-1.24*	
		For >100, Deduct	*-2.48*	
03 15 19 00-0057	EA	1-1/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	21.36	
		For Galvanized, Add	*4.45*	
		For Stainless Steel, Add	*31.15*	
		For >10 To 50, Deduct	*-0.62*	
		For >50 To 100, Deduct	*-1.47*	
		For >100, Deduct	*-2.94*	
03 15 19 00-0058	EA	1-1/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	22.86	
		For Galvanized, Add	*4.66*	
		For Stainless Steel, Add	*32.59*	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.59*	
		For >100, Deduct	*-3.18*	

03 15 19 00-0059 1-1/4" And 1-3/8" Diameter *(03 15 19 00-0036)*

03 15 19 00-0060	EA	1-1/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	22.07	
		For Galvanized, Add	*4.81*	
		For Stainless Steel, Add	*33.64*	
		For >10 To 50, Deduct	*-0.62*	
		For >50 To 100, Deduct	*-1.49*	
		For >100, Deduct	*-2.97*	
03 15 19 00-0061	EA	1-1/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	26.83	
		For Galvanized, Add	*5.63*	
		For Stainless Steel, Add	*39.38*	
		For >10 To 50, Deduct	*-0.78*	
		For >50 To 100, Deduct	*-1.84*	
		For >100, Deduct	*-3.68*	
03 15 19 00-0062	EA	1-1/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	29.14	
		For Galvanized, Add	*6.37*	
		For Stainless Steel, Add	*44.59*	
		For >10 To 50, Deduct	*-0.82*	
		For >50 To 100, Deduct	*-1.96*	
		For >100, Deduct	*-3.92*	
03 15 19 00-0063	EA	1-1/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	31.70	
		For Galvanized, Add	*7.20*	
		For Stainless Steel, Add	*50.37*	
		For >10 To 50, Deduct	*-0.87*	
		For >50 To 100, Deduct	*-2.09*	
		For >100, Deduct	*-4.18*	
03 15 19 00-0064	EA	1-1/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	35.12	
		For Galvanized, Add	*7.83*	
		For Stainless Steel, Add	*54.78*	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-2.34*	
		For >100, Deduct	*-4.68*	
03 15 19 00-0065	EA	1-1/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	39.02	
		For Galvanized, Add	*8.38*	
		For Stainless Steel, Add	*58.66*	
		For >10 To 50, Deduct	*-1.11*	
		For >50 To 100, Deduct	*-2.65*	
		For >100, Deduct	*-5.29*	
03 15 19 00-0066	EA	1-1/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	43.91	
		For Galvanized, Add	*8.97*	
		For Stainless Steel, Add	*62.79*	
		For >10 To 50, Deduct	*-1.30*	
		For >50 To 100, Deduct	*-3.05*	
		For >100, Deduct	*-6.09*	
03 15 19 00-0067	EA	1-1/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	50.99	
		For Galvanized, Add	*9.92*	
		For Stainless Steel, Add	*69.41*	
		For >10 To 50, Deduct	*-1.56*	
		For >50 To 100, Deduct	*-3.61*	
		For >100, Deduct	*-7.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0068	EA	1-3/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	24.48	
		For Galvanized, Add	*6.01*	
		For Stainless Steel, Add	*42.07*	
		For >10 To 50, Deduct	*-0.62*	
		For >50 To 100, Deduct	*-1.55*	
		For >100, Deduct	*-3.09*	
03 15 19 00-0069	EA	1-3/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	29.64	
		For Galvanized, Add	*7.03*	
		For Stainless Steel, Add	*49.21*	
		For >10 To 50, Deduct	*-0.78*	
		For >50 To 100, Deduct	*-1.91*	
		For >100, Deduct	*-3.82*	
03 15 19 00-0070	EA	1-3/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	32.32	
		For Galvanized, Add	*7.96*	
		For Stainless Steel, Add	*55.72*	
		For >10 To 50, Deduct	*-0.82*	
		For >50 To 100, Deduct	*-2.04*	
		For >100, Deduct	*-4.08*	
03 15 19 00-0071	EA	1-3/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	35.29	
		For Galvanized, Add	*8.99*	
		For Stainless Steel, Add	*62.93*	
		For >10 To 50, Deduct	*-0.87*	
		For >50 To 100, Deduct	*-2.18*	
		For >100, Deduct	*-4.36*	
03 15 19 00-0072	EA	1-3/8" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	39.03	
		For Galvanized, Add	*9.78*	
		For Stainless Steel, Add	*68.46*	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-2.44*	
		For >100, Deduct	*-4.87*	
03 15 19 00-0073	EA	1-3/8" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	43.21	
		For Galvanized, Add	*10.48*	
		For Stainless Steel, Add	*73.33*	
		For >10 To 50, Deduct	*-1.11*	
		For >50 To 100, Deduct	*-2.75*	
		For >100, Deduct	*-5.50*	
03 15 19 00-0074	EA	1-3/8" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	48.57	
		For Galvanized, Add	*11.30*	
		For Stainless Steel, Add	*79.10*	
		For >10 To 50, Deduct	*-1.30*	
		For >50 To 100, Deduct	*-3.16*	
		For >100, Deduct	*-6.32*	
03 15 19 00-0075	EA	1-3/8" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	55.95	
		For Galvanized, Add	*12.40*	
		For Stainless Steel, Add	*86.77*	
		For >10 To 50, Deduct	*-1.56*	
		For >50 To 100, Deduct	*-3.74*	
		For >100, Deduct	*-7.47*	

03 15 19 00-0076 1-1/2", 1-3/4", And 2" Diameter *(03 15 19 00-0036)*

03 15 19 00-0077	EA	1-1/2" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	30.83	
		For Galvanized, Add	*8.33*	
		For Stainless Steel, Add	*58.31*	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.83*	
		For >100, Deduct	*-3.67*	
03 15 19 00-0078	EA	1-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	33.87	
		For Galvanized, Add	*8.74*	
		For Stainless Steel, Add	*61.15*	
		For >10 To 50, Deduct	*-0.82*	
		For >50 To 100, Deduct	*-2.08*	
		For >100, Deduct	*-4.15*	
03 15 19 00-0079	EA	1-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	37.54	
		For Galvanized, Add	*9.61*	
		For Stainless Steel, Add	*67.27*	
		For >10 To 50, Deduct	*-0.92*	
		For >50 To 100, Deduct	*-2.31*	
		For >100, Deduct	*-4.63*	
03 15 19 00-0080	EA	1-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	40.47	
		For Galvanized, Add	*10.50*	
		For Stainless Steel, Add	*73.50*	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-2.47*	
		For >100, Deduct	*-4.94*	
03 15 19 00-0081	EA	1-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	43.55	
		For Galvanized, Add	*11.39*	
		For Stainless Steel, Add	*79.73*	
		For >10 To 50, Deduct	*-1.04*	
		For >50 To 100, Deduct	*-2.65*	
		For >100, Deduct	*-5.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0082	EA	1-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	48.47	
		For Galvanized, Add	*12.25*	
		For Stainless Steel, Add	*85.75*	
		For >10 To 50, Deduct	*-1.20*	
		For >50 To 100, Deduct	*-3.01*	
		For >100, Deduct	*-6.02*	
03 15 19 00-0083	EA	1-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	54.82	
		For Galvanized, Add	*13.25*	
		For Stainless Steel, Add	*92.75*	
		For >10 To 50, Deduct	*-1.42*	
		For >50 To 100, Deduct	*-3.49*	
		For >100, Deduct	*-6.99*	
03 15 19 00-0084	EA	1-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	64.02	
		For Galvanized, Add	*14.70*	
		For Stainless Steel, Add	*102.87*	
		For >10 To 50, Deduct	*-1.73*	
		For >50 To 100, Deduct	*-4.20*	
		For >100, Deduct	*-8.40*	
03 15 19 00-0085	EA	1-3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	40.64	
		For Galvanized, Add	*12.53*	
		For Stainless Steel, Add	*87.71*	
		For >10 To 50, Deduct	*-0.78*	
		For >50 To 100, Deduct	*-2.18*	
		For >100, Deduct	*-4.37*	
03 15 19 00-0086	EA	1-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	42.92	
		For Galvanized, Add	*12.81*	
		For Stainless Steel, Add	*89.64*	
		For >10 To 50, Deduct	*-0.87*	
		For >50 To 100, Deduct	*-2.37*	
		For >100, Deduct	*-4.74*	
03 15 19 00-0087	EA	1-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	44.34	
		For Galvanized, Add	*13.01*	
		For Stainless Steel, Add	*91.07*	
		For >10 To 50, Deduct	*-0.92*	
		For >50 To 100, Deduct	*-2.48*	
		For >100, Deduct	*-4.97*	
03 15 19 00-0088	EA	1-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	49.52	
		For Galvanized, Add	*15.03*	
		For Stainless Steel, Add	*105.18*	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-2.70*	
		For >100, Deduct	*-5.40*	
03 15 19 00-0089	EA	1-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	56.95	
		For Galvanized, Add	*17.35*	
		For Stainless Steel, Add	*121.42*	
		For >10 To 50, Deduct	*-1.11*	
		For >50 To 100, Deduct	*-3.09*	
		For >100, Deduct	*-6.19*	
03 15 19 00-0090	EA	1-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	61.12	
		For Galvanized, Add	*17.58*	
		For Stainless Steel, Add	*123.03*	
		For >10 To 50, Deduct	*-1.30*	
		For >50 To 100, Deduct	*-3.48*	
		For >100, Deduct	*-6.95*	
03 15 19 00-0091	EA	1-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	69.11	
		For Galvanized, Add	*18.98*	
		For Stainless Steel, Add	*132.83*	
		For >10 To 50, Deduct	*-1.56*	
		For >50 To 100, Deduct	*-4.06*	
		For >100, Deduct	*-8.13*	
03 15 19 00-0092	EA	1-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	79.82	
		For Galvanized, Add	*20.44*	
		For Stainless Steel, Add	*143.08*	
		For >10 To 50, Deduct	*-1.95*	
		For >50 To 100, Deduct	*-4.92*	
		For >100, Deduct	*-9.83*	
03 15 19 00-0093	EA	2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	56.47	
		For Galvanized, Add	*19.08*	
		For Stainless Steel, Add	*133.53*	
		For >10 To 50, Deduct	*-0.92*	
		For >50 To 100, Deduct	*-2.79*	
		For >100, Deduct	*-5.57*	
03 15 19 00-0094	EA	2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	62.01	
		For Galvanized, Add	*20.62*	
		For Stainless Steel, Add	*144.34*	
		For >10 To 50, Deduct	*-1.04*	
		For >50 To 100, Deduct	*-3.11*	
		For >100, Deduct	*-6.22*	
03 15 19 00-0095	EA	2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	68.93	
		For Galvanized, Add	*22.48*	
		For Stainless Steel, Add	*157.36*	
		For >10 To 50, Deduct	*-1.20*	
		For >50 To 100, Deduct	*-3.52*	
		For >100, Deduct	*-7.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0096	EA	2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	75.93	
		For Galvanized, Add	*23.81*	
		For Stainless Steel, Add	*166.64*	
		For >10 To 50, Deduct	*-1.42*	
		For >50 To 100, Deduct	*-4.02*	
		For >100, Deduct	*-8.04*	
03 15 19 00-0097	EA	2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	82.32	
		For Galvanized, Add	*25.58*	
		For Stainless Steel, Add	*179.06*	
		For >10 To 50, Deduct	*-1.56*	
		For >50 To 100, Deduct	*-4.40*	
		For >100, Deduct	*-8.79*	
03 15 19 00-0098	EA	2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	89.26	
		For Galvanized, Add	*27.32*	
		For Stainless Steel, Add	*191.21*	
		For >10 To 50, Deduct	*-1.73*	
		For >50 To 100, Deduct	*-4.83*	
		For >100, Deduct	*-9.66*	
03 15 19 00-0099	EA	2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	103.18	
		For Galvanized, Add	*29.34*	
		For Stainless Steel, Add	*205.35*	
		For >10 To 50, Deduct	*-2.23*	
		For >50 To 100, Deduct	*-5.92*	
		For >100, Deduct	*-11.84*	
03 15 19 00-0100	EA	2" Diameter x 66" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	109.01	
		For Galvanized, Add	*32.25*	
		For Stainless Steel, Add	*225.75*	
		For >10 To 50, Deduct	*-2.23*	
		For >50 To 100, Deduct	*-6.06*	
		For >100, Deduct	*-12.13*	
03 15 19 00-0101	EA	2" Diameter x 72" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	123.63	
		For Galvanized, Add	*35.85*	
		For Stainless Steel, Add	*250.95*	
		For >10 To 50, Deduct	*-2.60*	
		For >50 To 100, Deduct	*-6.99*	
		For >100, Deduct	*-13.97*	

03 15 19 00-0102 2-1/2" And 2-3/4" Diameter *(03 15 19 00-0036)*

03 15 19 00-0103	EA	2-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	103.08	
		For Galvanized, Add	*42.38*	
		For Stainless Steel, Add	*296.66*	
		For >10 To 50, Deduct	*-0.92*	
		For >50 To 100, Deduct	*-3.95*	
		For >100, Deduct	*-7.90*	
03 15 19 00-0104	EA	2-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	109.37	
		For Galvanized, Add	*44.30*	
		For Stainless Steel, Add	*310.10*	
		For >10 To 50, Deduct	*-1.04*	
		For >50 To 100, Deduct	*-4.29*	
		For >100, Deduct	*-8.58*	
03 15 19 00-0105	EA	2-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	120.05	
		For Galvanized, Add	*48.04*	
		For Stainless Steel, Add	*336.28*	
		For >10 To 50, Deduct	*-1.20*	
		For >50 To 100, Deduct	*-4.80*	
		For >100, Deduct	*-9.60*	
03 15 19 00-0106	EA	2-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	129.58	
		For Galvanized, Add	*50.63*	
		For Stainless Steel, Add	*354.41*	
		For >10 To 50, Deduct	*-1.42*	
		For >50 To 100, Deduct	*-5.36*	
		For >100, Deduct	*-10.73*	
03 15 19 00-0107	EA	2-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	137.84	
		For Galvanized, Add	*53.34*	
		For Stainless Steel, Add	*373.38*	
		For >10 To 50, Deduct	*-1.56*	
		For >50 To 100, Deduct	*-5.78*	
		For >100, Deduct	*-11.57*	
03 15 19 00-0108	EA	2-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	147.39	
		For Galvanized, Add	*56.38*	
		For Stainless Steel, Add	*394.66*	
		For >10 To 50, Deduct	*-1.73*	
		For >50 To 100, Deduct	*-6.28*	
		For >100, Deduct	*-12.56*	
03 15 19 00-0109	EA	2-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	163.50	
		For Galvanized, Add	*59.50*	
		For Stainless Steel, Add	*416.47*	
		For >10 To 50, Deduct	*-2.23*	
		For >50 To 100, Deduct	*-7.43*	
		For >100, Deduct	*-14.85*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0110		EA	2-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	115.42	
			For Galvanized, Add	*47.98*	
			For Stainless Steel, Add	*335.83*	
			For >10 To 50, Deduct	*-0.97*	
			For >50 To 100, Deduct	*-4.35*	
			For >100, Deduct	*-8.69*	
03 15 19 00-0111		EA	2-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	124.90	
			For Galvanized, Add	*51.32*	
			For Stainless Steel, Add	*359.24*	
			For >10 To 50, Deduct	*-1.11*	
			For >50 To 100, Deduct	*-4.79*	
			For >100, Deduct	*-9.58*	
03 15 19 00-0112		EA	2-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	135.36	
			For Galvanized, Add	*54.70*	
			For Stainless Steel, Add	*382.87*	
			For >10 To 50, Deduct	*-1.30*	
			For >50 To 100, Deduct	*-5.33*	
			For >100, Deduct	*-10.66*	
03 15 19 00-0113		EA	2-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	146.63	
			For Galvanized, Add	*57.74*	
			For Stainless Steel, Add	*404.15*	
			For >10 To 50, Deduct	*-1.56*	
			For >50 To 100, Deduct	*-6.00*	
			For >100, Deduct	*-12.01*	
03 15 19 00-0114		EA	2-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	156.75	
			For Galvanized, Add	*61.06*	
			For Stainless Steel, Add	*427.42*	
			For >10 To 50, Deduct	*-1.73*	
			For >50 To 100, Deduct	*-6.52*	
			For >100, Deduct	*-13.03*	
03 15 19 00-0115		EA	2-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	170.49	
			For Galvanized, Add	*65.78*	
			For Stainless Steel, Add	*460.43*	
			For >10 To 50, Deduct	*-1.95*	
			For >50 To 100, Deduct	*-7.18*	
			For >100, Deduct	*-14.37*	
03 15 19 00-0116		EA	2-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	190.71	
			For Galvanized, Add	*69.39*	
			For Stainless Steel, Add	*485.73*	
			For >10 To 50, Deduct	*-2.60*	
			For >50 To 100, Deduct	*-8.66*	
			For >100, Deduct	*-17.33*	

03 20 Concrete Reinforcing *(03)*

Note: Includes cutting or torching to size, bending where necessary and tie wires.

03 21 Reinforcement Bars *(03 20)*

Note: Includes cutting, bending, tie wire, tying, bar chairs and all non-mechanical splicing. The weights of reinforcing steel shall be used as follows: #2 - 0.167 Lbs./LF, #3 - 0.376 Lbs./LF, #4 - 0.668 Lbs./LF, #5 - 1.043 Lbs./LF, #6 - 1.502 Lbs./LF, #7 - 2.044 Lbs./LF, #8 - 2.670 Lbs./LF, #9 - 3.400 Lbs./LF, #10 - 4.303 Lbs./LF, #11 - 5.313 Lbs./LF, #14 - 7.650 Lbs./LF, #18 - 13.600 Lbs./LF.

03 21 11 Plain Steel Reinforcement Bars *(03 21)*

03 21 11 00-0001 Beams And Girders, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0002	LF	#3, Grade 40, Beams And Girders, Steel Reinforcement Bar	0.48
03 21 11 00-0003	LF	#4, Grade 40, Beams And Girders, Steel Reinforcement Bar	0.80
03 21 11 00-0004	LF	#5, Grade 40, Beams And Girders, Steel Reinforcement Bar	1.20
03 21 11 00-0005	LF	#6, Grade 40, Beams And Girders, Steel Reinforcement Bar	1.63
03 21 11 00-0006	LF	#3, Grade 50, Beams And Girders, Steel Reinforcement Bar	0.49
03 21 11 00-0007	LF	#4, Grade 50, Beams And Girders, Steel Reinforcement Bar	0.81
03 21 11 00-0008	LF	#5, Grade 50, Beams And Girders, Steel Reinforcement Bar	1.22
03 21 11 00-0009	LF	#6, Grade 50, Beams And Girders, Steel Reinforcement Bar	1.67
03 21 11 00-0010	LF	#3, Grade 60, Beams And Girders, Steel Reinforcement Bar	0.50
03 21 11 00-0011	LF	#4, Grade 60, Beams And Girders, Steel Reinforcement Bar	0.84
03 21 11 00-0012	LF	#5, Grade 60, Beams And Girders, Steel Reinforcement Bar	1.26
03 21 11 00-0013	LF	#6, Grade 60, Beams And Girders, Steel Reinforcement Bar	1.72
03 21 11 00-0014	LF	#7, Grade 60, Beams And Girders, Steel Reinforcement Bar	2.23
03 21 11 00-0015	LF	#8, Grade 60, Beams And Girders, Steel Reinforcement Bar	2.75
03 21 11 00-0016	LF	#9, Grade 60, Beams And Girders, Steel Reinforcement Bar	3.35
03 21 11 00-0017	LF	#10, Grade 60, Beams And Girders, Steel Reinforcement Bar	4.08
03 21 11 00-0018	LF	#11, Grade 60, Beams And Girders, Steel Reinforcement Bar	4.82
03 21 11 00-0019	LF	#14, Grade 60, Beams And Girders, Steel Reinforcement Bar	6.63
03 21 11 00-0020	LF	#18, Grade 60, Beams And Girders, Steel Reinforcement Bar	11.23
03 21 11 00-0021	LF	#6, Grade 75, Beams And Girders, Steel Reinforcement Bar	1.77
03 21 11 00-0022	LF	#7, Grade 75, Beams And Girders, Steel Reinforcement Bar	2.30
03 21 11 00-0023	LF	#8, Grade 75, Beams And Girders, Steel Reinforcement Bar	2.84
03 21 11 00-0024	LF	#9, Grade 75, Beams And Girders, Steel Reinforcement Bar	3.47
03 21 11 00-0025	LF	#10, Grade 75, Beams And Girders, Steel Reinforcement Bar	4.22
03 21 11 00-0026	LF	#11, Grade 75, Beams And Girders, Steel Reinforcement Bar	5.00
03 21 11 00-0027	LF	#14, Grade 75, Beams And Girders, Steel Reinforcement Bar	6.88
03 21 11 00-0028	LF	#18, Grade 75, Beams And Girders, Steel Reinforcement Bar	11.69
03 21 11 00-0029	LF	#3, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	0.51

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0030	LF	#4, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	0.85	
03 21 11 00-0031	LF	#5, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	1.28	
03 21 11 00-0032	LF	#6, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	1.75	
03 21 11 00-0033	LF	#7, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	2.28	
03 21 11 00-0034	LF	#8, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	2.81	
03 21 11 00-0035	LF	#9, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	3.44	
03 21 11 00-0036	LF	#10, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	4.19	
03 21 11 00-0037	LF	#11, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	4.95	
03 21 11 00-0038	LF	#14, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	6.82	
03 21 11 00-0039	LF	#18, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	11.58	

03 21 11 00-0040 Columns, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0041	LF	#3, Grade 40, Columns, Steel Reinforcement Bar	0.51	
03 21 11 00-0042	LF	#4, Grade 40, Columns, Steel Reinforcement Bar	0.86	
03 21 11 00-0043	LF	#5, Grade 40, Columns, Steel Reinforcement Bar	1.27	
03 21 11 00-0044	LF	#6, Grade 40, Columns, Steel Reinforcement Bar	1.73	
03 21 11 00-0045	LF	#3, Grade 50, Columns, Steel Reinforcement Bar	0.52	
03 21 11 00-0046	LF	#4, Grade 50, Columns, Steel Reinforcement Bar	0.87	
03 21 11 00-0047	LF	#5, Grade 50, Columns, Steel Reinforcement Bar	1.29	
03 21 11 00-0048	LF	#6, Grade 50, Columns, Steel Reinforcement Bar	1.77	
03 21 11 00-0049	LF	#3, Grade 60, Columns, Steel Reinforcement Bar	0.53	
03 21 11 00-0050	LF	#4, Grade 60, Columns, Steel Reinforcement Bar	0.90	
03 21 11 00-0051	LF	#5, Grade 60, Columns, Steel Reinforcement Bar	1.33	
03 21 11 00-0052	LF	#6, Grade 60, Columns, Steel Reinforcement Bar	1.82	
03 21 11 00-0053	LF	#7, Grade 60, Columns, Steel Reinforcement Bar	2.35	
03 21 11 00-0054	LF	#8, Grade 60, Columns, Steel Reinforcement Bar	2.89	
03 21 11 00-0055	LF	#9, Grade 60, Columns, Steel Reinforcement Bar	3.51	
03 21 11 00-0056	LF	#10, Grade 60, Columns, Steel Reinforcement Bar	4.26	
03 21 11 00-0057	LF	#11, Grade 60, Columns, Steel Reinforcement Bar	5.03	
03 21 11 00-0058	LF	#14, Grade 60, Columns, Steel Reinforcement Bar	6.91	
03 21 11 00-0059	LF	#18, Grade 60, Columns, Steel Reinforcement Bar	11.66	
03 21 11 00-0060	LF	#6, Grade 75, Columns, Steel Reinforcement Bar	1.87	
03 21 11 00-0061	LF	#7, Grade 75, Columns, Steel Reinforcement Bar	2.42	
03 21 11 00-0062	LF	#8, Grade 75, Columns, Steel Reinforcement Bar	2.98	
03 21 11 00-0063	LF	#9, Grade 75, Columns, Steel Reinforcement Bar	3.63	
03 21 11 00-0064	LF	#10, Grade 75, Columns, Steel Reinforcement Bar	4.40	
03 21 11 00-0065	LF	#11, Grade 75, Columns, Steel Reinforcement Bar	5.21	
03 21 11 00-0066	LF	#14, Grade 75, Columns, Steel Reinforcement Bar	7.16	
03 21 11 00-0067	LF	#18, Grade 75, Columns, Steel Reinforcement Bar	12.12	
03 21 11 00-0068	LF	#3, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	0.54	
03 21 11 00-0069	LF	#4, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	0.91	
03 21 11 00-0070	LF	#5, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	1.35	
03 21 11 00-0071	LF	#6, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	1.85	
03 21 11 00-0072	LF	#7, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	2.40	
03 21 11 00-0073	LF	#8, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	2.95	
03 21 11 00-0074	LF	#9, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	3.60	
03 21 11 00-0075	LF	#10, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	4.37	
03 21 11 00-0076	LF	#11, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	5.16	
03 21 11 00-0077	LF	#14, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	7.10	
03 21 11 00-0078	LF	#18, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	12.01	

03 21 11 00-0079 Footings, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0080	LF	#3, Grade 40, Footings, Steel Reinforcement Bar	0.43	
03 21 11 00-0081	LF	#4, Grade 40, Footings, Steel Reinforcement Bar	0.73	
03 21 11 00-0082	LF	#5, Grade 40, Footings, Steel Reinforcement Bar	1.09	
03 21 11 00-0083	LF	#6, Grade 40, Footings, Steel Reinforcement Bar	1.49	
03 21 11 00-0084	LF	#3, Grade 50, Footings, Steel Reinforcement Bar	0.44	
03 21 11 00-0085	LF	#4, Grade 50, Footings, Steel Reinforcement Bar	0.74	
03 21 11 00-0086	LF	#5, Grade 50, Footings, Steel Reinforcement Bar	1.11	
03 21 11 00-0087	LF	#6, Grade 50, Footings, Steel Reinforcement Bar	1.53	
03 21 11 00-0088	LF	#3, Grade 60, Footings, Steel Reinforcement Bar	0.45	
03 21 11 00-0089	LF	#4, Grade 60, Footings, Steel Reinforcement Bar	0.77	
03 21 11 00-0090	LF	#5, Grade 60, Footings, Steel Reinforcement Bar	1.15	
03 21 11 00-0091	LF	#6, Grade 60, Footings, Steel Reinforcement Bar	1.58	
03 21 11 00-0092	LF	#7, Grade 60, Footings, Steel Reinforcement Bar	2.04	
03 21 11 00-0093	LF	#8, Grade 60, Footings, Steel Reinforcement Bar	2.55	
03 21 11 00-0094	LF	#9, Grade 60, Footings, Steel Reinforcement Bar	3.11	
03 21 11 00-0095	LF	#10, Grade 60, Footings, Steel Reinforcement Bar	3.79	
03 21 11 00-0096	LF	#11, Grade 60, Footings, Steel Reinforcement Bar	4.50	
03 21 11 00-0097	LF	#14, Grade 60, Footings, Steel Reinforcement Bar	6.22	
03 21 11 00-0098	LF	#18, Grade 60, Footings, Steel Reinforcement Bar	10.57	
03 21 11 00-0099	LF	#6, Grade 75, Footings, Steel Reinforcement Bar	1.63	
03 21 11 00-0100	LF	#7, Grade 75, Footings, Steel Reinforcement Bar	2.11	
03 21 11 00-0101	LF	#8, Grade 75, Footings, Steel Reinforcement Bar	2.64	
03 21 11 00-0102	LF	#9, Grade 75, Footings, Steel Reinforcement Bar	3.23	
03 21 11 00-0103	LF	#10, Grade 75, Footings, Steel Reinforcement Bar	3.93	
03 21 11 00-0104	LF	#11, Grade 75, Footings, Steel Reinforcement Bar	4.68	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0105	LF	#14, Grade 75, Footings, Steel Reinforcement Bar	6.47	
03 21 11 00-0106	LF	#18, Grade 75, Footings, Steel Reinforcement Bar	11.03	
03 21 11 00-0107	LF	#3, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	0.46	
03 21 11 00-0108	LF	#4, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	0.78	
03 21 11 00-0109	LF	#5, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	1.17	
03 21 11 00-0110	LF	#6, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	1.61	
03 21 11 00-0111	LF	#7, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	2.09	
03 21 11 00-0112	LF	#8, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	2.61	
03 21 11 00-0113	LF	#9, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	3.20	
03 21 11 00-0114	LF	#10, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	3.90	
03 21 11 00-0115	LF	#11, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	4.63	
03 21 11 00-0116	LF	#14, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	6.41	
03 21 11 00-0117	LF	#18, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	10.92	

03 21 11 00-0118 Slab On Grade, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0119	LF	#3, Grade 40, Slab On Grade, Steel Reinforcement Bar	0.42	
03 21 11 00-0120	LF	#4, Grade 40, Slab On Grade, Steel Reinforcement Bar	0.71	
03 21 11 00-0121	LF	#5, Grade 40, Slab On Grade, Steel Reinforcement Bar	1.05	
03 21 11 00-0122	LF	#6, Grade 40, Slab On Grade, Steel Reinforcement Bar	1.44	
03 21 11 00-0123	LF	#3, Grade 50, Slab On Grade, Steel Reinforcement Bar	0.43	
03 21 11 00-0124	LF	#4, Grade 50, Slab On Grade, Steel Reinforcement Bar	0.72	
03 21 11 00-0125	LF	#5, Grade 50, Slab On Grade, Steel Reinforcement Bar	1.07	
03 21 11 00-0126	LF	#6, Grade 50, Slab On Grade, Steel Reinforcement Bar	1.48	
03 21 11 00-0127	LF	#3, Grade 60, Slab On Grade, Steel Reinforcement Bar	0.44	
03 21 11 00-0128	LF	#4, Grade 60, Slab On Grade, Steel Reinforcement Bar	0.75	
03 21 11 00-0129	LF	#5, Grade 60, Slab On Grade, Steel Reinforcement Bar	1.11	
03 21 11 00-0130	LF	#6, Grade 60, Slab On Grade, Steel Reinforcement Bar	1.53	
03 21 11 00-0131	LF	#7, Grade 60, Slab On Grade, Steel Reinforcement Bar	1.98	
03 21 11 00-0132	LF	#8, Grade 60, Slab On Grade, Steel Reinforcement Bar	2.46	
03 21 11 00-0133	LF	#9, Grade 60, Slab On Grade, Steel Reinforcement Bar	3.03	
03 21 11 00-0134	LF	#10, Grade 60, Slab On Grade, Steel Reinforcement Bar	3.69	
03 21 11 00-0135	LF	#11, Grade 60, Slab On Grade, Steel Reinforcement Bar	4.40	
03 21 11 00-0136	LF	#14, Grade 60, Slab On Grade, Steel Reinforcement Bar	6.07	
03 21 11 00-0137	LF	#18, Grade 60, Slab On Grade, Steel Reinforcement Bar	10.34	
03 21 11 00-0138	LF	#6, Grade 75, Slab On Grade, Steel Reinforcement Bar	1.58	
03 21 11 00-0139	LF	#7, Grade 75, Slab On Grade, Steel Reinforcement Bar	2.05	
03 21 11 00-0140	LF	#8, Grade 75, Slab On Grade, Steel Reinforcement Bar	2.55	
03 21 11 00-0141	LF	#9, Grade 75, Slab On Grade, Steel Reinforcement Bar	3.15	
03 21 11 00-0142	LF	#10, Grade 75, Slab On Grade, Steel Reinforcement Bar	3.83	
03 21 11 00-0143	LF	#11, Grade 75, Slab On Grade, Steel Reinforcement Bar	4.58	
03 21 11 00-0144	LF	#14, Grade 75, Slab On Grade, Steel Reinforcement Bar	6.32	
03 21 11 00-0145	LF	#18, Grade 75, Slab On Grade, Steel Reinforcement Bar	10.80	
03 21 11 00-0146	LF	#3, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	0.45	
03 21 11 00-0147	LF	#4, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	0.76	
03 21 11 00-0148	LF	#5, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	1.13	
03 21 11 00-0149	LF	#6, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	1.56	
03 21 11 00-0150	LF	#7, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	2.03	
03 21 11 00-0151	LF	#8, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	2.52	
03 21 11 00-0152	LF	#9, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	3.12	
03 21 11 00-0153	LF	#10, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	3.80	
03 21 11 00-0154	LF	#11, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	4.53	
03 21 11 00-0155	LF	#14, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	6.26	
03 21 11 00-0156	LF	#18, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	10.69	

03 21 11 00-0157 Elevated Slabs, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0158	LF	#3, Grade 40, Elevated Slabs, Steel Reinforcement Bar	0.39	
03 21 11 00-0159	LF	#4, Grade 40, Elevated Slabs, Steel Reinforcement Bar	0.65	
03 21 11 00-0160	LF	#5, Grade 40, Elevated Slabs, Steel Reinforcement Bar	0.98	
03 21 11 00-0161	LF	#6, Grade 40, Elevated Slabs, Steel Reinforcement Bar	1.34	
03 21 11 00-0162	LF	#3, Grade 50, Elevated Slabs, Steel Reinforcement Bar	0.40	
03 21 11 00-0163	LF	#4, Grade 50, Elevated Slabs, Steel Reinforcement Bar	0.66	
03 21 11 00-0164	LF	#5, Grade 50, Elevated Slabs, Steel Reinforcement Bar	1.00	
03 21 11 00-0165	LF	#6, Grade 50, Elevated Slabs, Steel Reinforcement Bar	1.38	
03 21 11 00-0166	LF	#3, Grade 60, Elevated Slabs, Steel Reinforcement Bar	0.41	
03 21 11 00-0167	LF	#4, Grade 60, Elevated Slabs, Steel Reinforcement Bar	0.69	
03 21 11 00-0168	LF	#5, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.04	
03 21 11 00-0169	LF	#6, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.43	
03 21 11 00-0170	LF	#7, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.86	
03 21 11 00-0171	LF	#8, Grade 60, Elevated Slabs, Steel Reinforcement Bar	2.32	
03 21 11 00-0172	LF	#9, Grade 60, Elevated Slabs, Steel Reinforcement Bar	2.86	
03 21 11 00-0173	LF	#10, Grade 60, Elevated Slabs, Steel Reinforcement Bar	3.51	
03 21 11 00-0174	LF	#11, Grade 60, Elevated Slabs, Steel Reinforcement Bar	4.18	
03 21 11 00-0175	LF	#14, Grade 60, Elevated Slabs, Steel Reinforcement Bar	5.80	
03 21 11 00-0176	LF	#18, Grade 60, Elevated Slabs, Steel Reinforcement Bar	9.91	
03 21 11 00-0177	LF	#6, Grade 75, Elevated Slabs, Steel Reinforcement Bar	1.48	
03 21 11 00-0178	LF	#7, Grade 75, Elevated Slabs, Steel Reinforcement Bar	1.93	
03 21 11 00-0179	LF	#8, Grade 75, Elevated Slabs, Steel Reinforcement Bar	2.41	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0180	LF	#9, Grade 75, Elevated Slabs, Steel Reinforcement Bar	2.98	
03 21 11 00-0181	LF	#10, Grade 75, Elevated Slabs, Steel Reinforcement Bar	3.65	
03 21 11 00-0182	LF	#11, Grade 75, Elevated Slabs, Steel Reinforcement Bar	4.36	
03 21 11 00-0183	LF	#14, Grade 75, Elevated Slabs, Steel Reinforcement Bar	6.05	
03 21 11 00-0184	LF	#18, Grade 75, Elevated Slabs, Steel Reinforcement Bar	10.37	
03 21 11 00-0185	LF	#3, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	0.42	
03 21 11 00-0186	LF	#4, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	0.70	
03 21 11 00-0187	LF	#5, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	1.06	
03 21 11 00-0188	LF	#6, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	1.46	
03 21 11 00-0189	LF	#7, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	1.91	
03 21 11 00-0190	LF	#8, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	2.38	
03 21 11 00-0191	LF	#9, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	2.95	
03 21 11 00-0192	LF	#10, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	3.62	
03 21 11 00-0193	LF	#11, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	4.31	
03 21 11 00-0194	LF	#14, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	5.99	
03 21 11 00-0195	LF	#18, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	10.26	

03 21 11 00-0196 Walls, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0197	LF	#3, Grade 40, Walls, Steel Reinforcement Bar	0.37	
03 21 11 00-0198	LF	#4, Grade 40, Walls, Steel Reinforcement Bar	0.63	
03 21 11 00-0199	LF	#5, Grade 40, Walls, Steel Reinforcement Bar	0.94	
03 21 11 00-0200	LF	#6, Grade 40, Walls, Steel Reinforcement Bar	1.29	
03 21 11 00-0201	LF	#3, Grade 50, Walls, Steel Reinforcement Bar	0.38	
03 21 11 00-0202	LF	#4, Grade 50, Walls, Steel Reinforcement Bar	0.64	
03 21 11 00-0203	LF	#5, Grade 50, Walls, Steel Reinforcement Bar	0.96	
03 21 11 00-0204	LF	#6, Grade 50, Walls, Steel Reinforcement Bar	1.33	
03 21 11 00-0205	LF	#3, Grade 60, Walls, Steel Reinforcement Bar	0.39	
03 21 11 00-0206	LF	#4, Grade 60, Walls, Steel Reinforcement Bar	0.67	
03 21 11 00-0207	LF	#5, Grade 60, Walls, Steel Reinforcement Bar	1.00	
03 21 11 00-0208	LF	#6, Grade 60, Walls, Steel Reinforcement Bar	1.38	
03 21 11 00-0209	LF	#7, Grade 60, Walls, Steel Reinforcement Bar	1.80	
03 21 11 00-0210	LF	#8, Grade 60, Walls, Steel Reinforcement Bar	2.25	
03 21 11 00-0211	LF	#9, Grade 60, Walls, Steel Reinforcement Bar	2.78	
03 21 11 00-0212	LF	#10, Grade 60, Walls, Steel Reinforcement Bar	3.41	
03 21 11 00-0213	LF	#11, Grade 60, Walls, Steel Reinforcement Bar	4.08	
03 21 11 00-0214	LF	#14, Grade 60, Walls, Steel Reinforcement Bar	5.66	
03 21 11 00-0215	LF	#18, Grade 60, Walls, Steel Reinforcement Bar	9.70	
03 21 11 00-0216	LF	#6, Grade 75, Walls, Steel Reinforcement Bar	1.43	
03 21 11 00-0217	LF	#7, Grade 75, Walls, Steel Reinforcement Bar	1.87	
03 21 11 00-0218	LF	#8, Grade 75, Walls, Steel Reinforcement Bar	2.34	
03 21 11 00-0219	LF	#9, Grade 75, Walls, Steel Reinforcement Bar	2.90	
03 21 11 00-0220	LF	#10, Grade 75, Walls, Steel Reinforcement Bar	3.55	
03 21 11 00-0221	LF	#11, Grade 75, Walls, Steel Reinforcement Bar	4.26	
03 21 11 00-0222	LF	#14, Grade 75, Walls, Steel Reinforcement Bar	5.91	
03 21 11 00-0223	LF	#18, Grade 75, Walls, Steel Reinforcement Bar	10.16	
03 21 11 00-0224	LF	#3, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	0.40	
03 21 11 00-0225	LF	#4, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	0.68	
03 21 11 00-0226	LF	#5, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	1.02	
03 21 11 00-0227	LF	#6, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	1.41	
03 21 11 00-0228	LF	#7, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	1.85	
03 21 11 00-0229	LF	#8, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	2.31	
03 21 11 00-0230	LF	#9, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	2.87	
03 21 11 00-0231	LF	#10, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	3.52	
03 21 11 00-0232	LF	#11, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	4.21	
03 21 11 00-0233	LF	#14, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	5.85	
03 21 11 00-0234	LF	#18, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	10.05	

03 21 11 00-0235 Mechanical Joint Connection *(03 21 11)*

03 21 11 00-0236 Thermal Type Mechanical Joint Connection *(03 21 11 00-0235)*

03 21 11 00-0237	EA	Thermal Type Mechanical Joint Connection, Add Per Splice	151.87	

03 21 11 00-0238 Screwed Type Mechanical Joint Connection *(03 21 11 00-0235)*

03 21 11 00-0239	EA	Screwed Type Mechanical Joint Connection, Add Per Splice	83.85	

03 21 11 00-0240 Deformed Straight Dowels *(03 21 11)*

03 21 11 00-0241	EA	3/8" Diameter x 24" Long, Deformed Straight Dowel	1.95	
		For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth	*1.86*	
		For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth	*1.79*	
		For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth	*2.14*	
		For >12" To <24" Length, Deduct	*-0.12*	
		For Up To 12" Length, Deduct	*-0.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0242	EA	1/2" Diameter x 24" Long, Deformed Straight Dowel	2.33	
		For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth	*2.12*	
		For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth	*2.04*	
		For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth	*2.44*	
		For >12" To <24" Length, Deduct	*-0.15*	
		For Up To 12" Length, Deduct	*-0.30*	
03 21 11 00-0243	EA	5/8" Diameter x 24" Long, Deformed Straight Dowel	2.85	
		For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth	*2.23*	
		For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth	*2.14*	
		For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth	*2.56*	
		For >12" To <24" Length, Deduct	*-0.24*	
		For Up To 12" Length, Deduct	*-0.48*	
03 21 11 00-0244	EA	3/4" Diameter x 24" Long, Deformed Straight Dowel	3.48	
		For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth	*2.34*	
		For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth	*2.26*	
		For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth	*2.69*	
		For >12" To <24" Length, Deduct	*-0.35*	
		For Up To 12" Length, Deduct	*-0.70*	
03 21 11 00-0245	EA	7/8" Diameter x 24" Long, Deformed Straight Dowel	4.11	
		For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth	*2.28*	
		For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth	*2.19*	
		For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth	*2.62*	
		For >12" To <24" Length, Deduct	*-0.48*	
		For Up To 12" Length, Deduct	*-0.97*	
03 21 11 00-0246	EA	1" Diameter x 24" Long, Deformed Straight Dowel	5.18	
		For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth	*2.78*	
		For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth	*2.68*	
		For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth	*3.20*	
		For >12" To <24" Length, Deduct	*-0.62*	
		For Up To 12" Length, Deduct	*-1.24*	
03 21 11 00-0247	EA	1-1/8" Diameter x 24" Long, Deformed Straight Dowel	6.13	
		For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth	*3.07*	
		For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth	*2.96*	
		For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth	*3.53*	
		For >12" To <24" Length, Deduct	*-0.77*	
		For Up To 12" Length, Deduct	*-1.53*	
03 21 11 00-0248	EA	1-1/4" Diameter x 24" Long, Deformed Straight Dowel	7.51	
		For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth	*3.34*	
		For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth	*3.22*	
		For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth	*3.85*	
		For >12" To <24" Length, Deduct	*-1.00*	
		For Up To 12" Length, Deduct	*-2.00*	
03 21 11 00-0249	EA	1-3/8" Diameter x 24" Long, Deformed Straight Dowel	8.92	
		For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth	*3.64*	
		For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth	*3.51*	
		For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth	*4.19*	
		For >12" To <24" Length, Deduct	*-1.24*	
		For Up To 12" Length, Deduct	*-2.47*	

03 21 11 00-0250 Spirals, Reinforcing Steel *(03 21 11)*

03 21 11 00-0251	TON	Up To 15" Diameter, Grade 60, Spirals, Reinforcing Steel	3,478.32	
		For Grade 75, Add	*161.98*	
03 21 11 00-0252	TON	>15" To 24" Diameter, Grade 60, Spirals, Reinforcing Steel	3,446.67	
		For Grade 75, Add	*161.98*	
03 21 11 00-0253	TON	>24" To 36" Diameter, Grade 60, Spirals, Reinforcing Steel	3,446.67	
		For Grade 75, Add	*161.98*	
03 21 11 00-0254	TON	>36" To 48" Diameter, Grade 60, Spirals, Reinforcing Steel	3,383.06	
		For Grade 75, Add	*161.98*	
03 21 11 00-0255	TON	>48" To 64" Diameter, Grade 60, Spirals, Reinforcing Steel	3,329.68	
		For Grade 75, Add	*161.98*	
03 21 11 00-0256	TON	>64" To 84" Diameter, Grade 60, Spirals, Reinforcing Steel	3,330.00	
		For Grade 75, Add	*165.96*	
03 21 11 00-0257	TON	>84" To 96" Diameter, Grade 60, Spirals, Reinforcing Steel	3,285.31	
		For Grade 75, Add	*165.96*	

03 21 11 00-0258 Dowel Or Hairpin, Drilled And Epoxy Into Concrete *(03 21 11)*

03 21 11 00-0259	EA	Dowels Or Hairpin, 1/2" x 30" Length, Drilled And Epoxy In Concrete, 6" Embedment	18.27
03 21 11 00-0260	EA	Dowels Or Hairpin, 1/2" x 36" Length, Drilled And Epoxy In Concrete, >6" To 12" Embedment	19.05

03 21 11 00-0261 Accessories For Reinforcing Steel *(03 21 11)*

03 21 11 00-0262 Reinforcing Steel Weld Splice *(03 21 11 00-0261)*

03 21 11 00-0263	EA	Up To #6 Reinforcing Steel Weld Splice	31.75
03 21 11 00-0264	EA	>#6 Reinforcing Steel Weld Splice	45.95

03 21 11 00-0265 Reinforcing Steel Sleeve And Wedge Splice Joint *(03 21 11 00-0261)*

03 21 11 00-0266	EA	Up To #4 Reinforcing Steel, Sleeve And Wedge Splice Joint	23.46
03 21 11 00-0267	EA	#5 Reinforcing Steel, Sleeve And Wedge Splice Joint	34.08
03 21 11 00-0268	EA	#6 Reinforcing Steel, Sleeve And Wedge Splice Joint	48.98

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 21 13 Galvanized Reinforcement Steel Bars *(03 21)*

03 21 13 00-0001 Beams And Girders, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0002	LF	#3, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	0.56
03 21 13 00-0003	LF	#4, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	0.95
03 21 13 00-0004	LF	#5, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	1.44
03 21 13 00-0005	LF	#6, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	1.98
03 21 13 00-0006	LF	#3, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	0.57
03 21 13 00-0007	LF	#4, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	0.97
03 21 13 00-0008	LF	#5, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	1.46
03 21 13 00-0009	LF	#6, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	2.01
03 21 13 00-0010	LF	#3, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	0.59
03 21 13 00-0011	LF	#4, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	0.99
03 21 13 00-0012	LF	#5, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	1.49
03 21 13 00-0013	LF	#6, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	2.06
03 21 13 00-0014	LF	#7, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	2.70
03 21 13 00-0015	LF	#8, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	3.36
03 21 13 00-0016	LF	#9, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	4.13
03 21 13 00-0017	LF	#10, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	5.06
03 21 13 00-0018	LF	#11, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	6.04
03 21 13 00-0019	LF	#14, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	8.38
03 21 13 00-0020	LF	#18, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	14.35
03 21 13 00-0021	LF	#6, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	2.11
03 21 13 00-0022	LF	#7, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	2.77
03 21 13 00-0023	LF	#8, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	3.45
03 21 13 00-0024	LF	#9, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	4.25
03 21 13 00-0025	LF	#10, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	5.21
03 21 13 00-0026	LF	#11, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	6.21
03 21 13 00-0027	LF	#14, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	8.63
03 21 13 00-0028	LF	#18, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	14.81

03 21 13 00-0029 Columns, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0030	LF	#3, Grade 40, Columns, Galvanized Steel Reinforcement Bar	0.59
03 21 13 00-0031	LF	#4, Grade 40, Columns, Galvanized Steel Reinforcement Bar	1.01
03 21 13 00-0032	LF	#5, Grade 40, Columns, Galvanized Steel Reinforcement Bar	1.51
03 21 13 00-0033	LF	#6, Grade 40, Columns, Galvanized Steel Reinforcement Bar	2.08
03 21 13 00-0034	LF	#3, Grade 50, Columns, Galvanized Steel Reinforcement Bar	0.60
03 21 13 00-0035	LF	#4, Grade 50, Columns, Galvanized Steel Reinforcement Bar	1.03
03 21 13 00-0036	LF	#5, Grade 50, Columns, Galvanized Steel Reinforcement Bar	1.53
03 21 13 00-0037	LF	#6, Grade 50, Columns, Galvanized Steel Reinforcement Bar	2.11
03 21 13 00-0038	LF	#3, Grade 60, Columns, Galvanized Steel Reinforcement Bar	0.62
03 21 13 00-0039	LF	#4, Grade 60, Columns, Galvanized Steel Reinforcement Bar	1.05
03 21 13 00-0040	LF	#5, Grade 60, Columns, Galvanized Steel Reinforcement Bar	1.56
03 21 13 00-0041	LF	#6, Grade 60, Columns, Galvanized Steel Reinforcement Bar	2.16
03 21 13 00-0042	LF	#7, Grade 60, Columns, Galvanized Steel Reinforcement Bar	2.82
03 21 13 00-0043	LF	#8, Grade 60, Columns, Galvanized Steel Reinforcement Bar	3.50
03 21 13 00-0044	LF	#9, Grade 60, Columns, Galvanized Steel Reinforcement Bar	4.29
03 21 13 00-0045	LF	#10, Grade 60, Columns, Galvanized Steel Reinforcement Bar	5.24
03 21 13 00-0046	LF	#11, Grade 60, Columns, Galvanized Steel Reinforcement Bar	6.25
03 21 13 00-0047	LF	#14, Grade 60, Columns, Galvanized Steel Reinforcement Bar	8.66
03 21 13 00-0048	LF	#18, Grade 60, Columns, Galvanized Steel Reinforcement Bar	14.78
03 21 13 00-0049	LF	#6, Grade 75, Columns, Galvanized Steel Reinforcement Bar	2.21
03 21 13 00-0050	LF	#7, Grade 75, Columns, Galvanized Steel Reinforcement Bar	2.89
03 21 13 00-0051	LF	#8, Grade 75, Columns, Galvanized Steel Reinforcement Bar	3.59
03 21 13 00-0052	LF	#9, Grade 75, Columns, Galvanized Steel Reinforcement Bar	4.41
03 21 13 00-0053	LF	#10, Grade 75, Columns, Galvanized Steel Reinforcement Bar	5.39
03 21 13 00-0054	LF	#11, Grade 75, Columns, Galvanized Steel Reinforcement Bar	6.42
03 21 13 00-0055	LF	#14, Grade 75, Columns, Galvanized Steel Reinforcement Bar	8.91
03 21 13 00-0056	LF	#18, Grade 75, Columns, Galvanized Steel Reinforcement Bar	15.24

03 21 13 00-0057 Footings, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0058	LF	#3, Grade 40, Footings, Galvanized Steel Reinforcement Bar	0.51
03 21 13 00-0059	LF	#4, Grade 40, Footings, Galvanized Steel Reinforcement Bar	0.88
03 21 13 00-0060	LF	#5, Grade 40, Footings, Galvanized Steel Reinforcement Bar	1.33
03 21 13 00-0061	LF	#6, Grade 40, Footings, Galvanized Steel Reinforcement Bar	1.84
03 21 13 00-0062	LF	#3, Grade 50, Footings, Galvanized Steel Reinforcement Bar	0.52
03 21 13 00-0063	LF	#4, Grade 50, Footings, Galvanized Steel Reinforcement Bar	0.90
03 21 13 00-0064	LF	#5, Grade 50, Footings, Galvanized Steel Reinforcement Bar	1.35
03 21 13 00-0065	LF	#6, Grade 50, Footings, Galvanized Steel Reinforcement Bar	1.87
03 21 13 00-0066	LF	#3, Grade 60, Footings, Galvanized Steel Reinforcement Bar	0.54
03 21 13 00-0067	LF	#4, Grade 60, Footings, Galvanized Steel Reinforcement Bar	0.92
03 21 13 00-0068	LF	#5, Grade 60, Footings, Galvanized Steel Reinforcement Bar	1.38
03 21 13 00-0069	LF	#6, Grade 60, Footings, Galvanized Steel Reinforcement Bar	1.92
03 21 13 00-0070	LF	#7, Grade 60, Footings, Galvanized Steel Reinforcement Bar	2.51
03 21 13 00-0071	LF	#8, Grade 60, Footings, Galvanized Steel Reinforcement Bar	3.16
03 21 13 00-0072	LF	#9, Grade 60, Footings, Galvanized Steel Reinforcement Bar	3.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0073	LF	#10, Grade 60, Footings, Galvanized Steel Reinforcement Bar	4.77	
03 21 13 00-0074	LF	#11, Grade 60, Footings, Galvanized Steel Reinforcement Bar	5.72	
03 21 13 00-0075	LF	#14, Grade 60, Footings, Galvanized Steel Reinforcement Bar	7.97	
03 21 13 00-0076	LF	#18, Grade 60, Footings, Galvanized Steel Reinforcement Bar	13.69	
03 21 13 00-0077	LF	#6, Grade 75, Footings, Galvanized Steel Reinforcement Bar	1.97	
03 21 13 00-0078	LF	#7, Grade 75, Footings, Galvanized Steel Reinforcement Bar	2.58	
03 21 13 00-0079	LF	#8, Grade 75, Footings, Galvanized Steel Reinforcement Bar	3.25	
03 21 13 00-0080	LF	#9, Grade 75, Footings, Galvanized Steel Reinforcement Bar	4.01	
03 21 13 00-0081	LF	#10, Grade 75, Footings, Galvanized Steel Reinforcement Bar	4.92	
03 21 13 00-0082	LF	#11, Grade 75, Footings, Galvanized Steel Reinforcement Bar	5.89	
03 21 13 00-0083	LF	#14, Grade 75, Footings, Galvanized Steel Reinforcement Bar	8.22	
03 21 13 00-0084	LF	#18, Grade 75, Footings, Galvanized Steel Reinforcement Bar	14.15	
03 21 13 00-0085		Slab On Grade, Galvanized Steel Reinforcement Bar *(03 21 13)*		
		Note: ASTM A-767 Hot Dipped Galvanized Steel.		
03 21 13 00-0086	LF	#3, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	0.50	
03 21 13 00-0087	LF	#4, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	0.86	
03 21 13 00-0088	LF	#5, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	1.29	
03 21 13 00-0089	LF	#6, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	1.79	
03 21 13 00-0090	LF	#3, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	0.51	
03 21 13 00-0091	LF	#4, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	0.88	
03 21 13 00-0092	LF	#5, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	1.31	
03 21 13 00-0093	LF	#6, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	1.82	
03 21 13 00-0094	LF	#3, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	0.53	
03 21 13 00-0095	LF	#4, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	0.90	
03 21 13 00-0096	LF	#5, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	1.34	
03 21 13 00-0097	LF	#6, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	1.87	
03 21 13 00-0098	LF	#7, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	2.45	
03 21 13 00-0099	LF	#8, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	3.07	
03 21 13 00-0100	LF	#9, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	3.81	
03 21 13 00-0101	LF	#10, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	4.67	
03 21 13 00-0102	LF	#11, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	5.62	
03 21 13 00-0103	LF	#14, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	7.82	
03 21 13 00-0104	LF	#18, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	13.46	
03 21 13 00-0105	LF	#6, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	1.92	
03 21 13 00-0106	LF	#7, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	2.52	
03 21 13 00-0107	LF	#8, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	3.16	
03 21 13 00-0108	LF	#9, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	3.93	
03 21 13 00-0109	LF	#10, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	4.82	
03 21 13 00-0110	LF	#11, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	5.79	
03 21 13 00-0111	LF	#14, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	8.07	
03 21 13 00-0112	LF	#18, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	13.92	
03 21 13 00-0113		Elevated Slabs, Galvanized Steel Reinforcement Bar *(03 21 13)*		
		Note: ASTM A-767 Hot Dipped Galvanized Steel.		
03 21 13 00-0114	LF	#3, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.47	
03 21 13 00-0115	LF	#4, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.80	
03 21 13 00-0116	LF	#5, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.22	
03 21 13 00-0117	LF	#6, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.69	
03 21 13 00-0118	LF	#3, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.48	
03 21 13 00-0119	LF	#4, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.82	
03 21 13 00-0120	LF	#5, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.24	
03 21 13 00-0121	LF	#6, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.72	
03 21 13 00-0122	LF	#3, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.50	
03 21 13 00-0123	LF	#4, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.84	
03 21 13 00-0124	LF	#5, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.27	
03 21 13 00-0125	LF	#6, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.77	
03 21 13 00-0126	LF	#7, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.33	
03 21 13 00-0127	LF	#8, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.93	
03 21 13 00-0128	LF	#9, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.64	
03 21 13 00-0129	LF	#10, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	4.49	
03 21 13 00-0130	LF	#11, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	5.40	
03 21 13 00-0131	LF	#14, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	7.55	
03 21 13 00-0132	LF	#18, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	13.03	
03 21 13 00-0133	LF	#6, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.82	
03 21 13 00-0134	LF	#7, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.40	
03 21 13 00-0135	LF	#8, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.02	
03 21 13 00-0136	LF	#9, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.76	
03 21 13 00-0137	LF	#10, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	4.64	
03 21 13 00-0138	LF	#11, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	5.57	
03 21 13 00-0139	LF	#14, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	7.80	
03 21 13 00-0140	LF	#18, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	13.49	
03 21 13 00-0141		Walls, Galvanized Steel Reinforcement Bar *(03 21 13)*		
		Note: ASTM A-767 Hot Dipped Galvanized Steel.		
03 21 13 00-0142	LF	#3, Grade 40, Walls, Galvanized Steel Reinforcement Bar	0.45	
03 21 13 00-0143	LF	#4, Grade 40, Walls, Galvanized Steel Reinforcement Bar	0.78	
03 21 13 00-0144	LF	#5, Grade 40, Walls, Galvanized Steel Reinforcement Bar	1.18	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0145	LF	#6, Grade 40, Walls, Galvanized Steel Reinforcement Bar	1.64	
03 21 13 00-0146	LF	#3, Grade 50, Walls, Galvanized Steel Reinforcement Bar	0.46	
03 21 13 00-0147	LF	#4, Grade 50, Walls, Galvanized Steel Reinforcement Bar	0.80	
03 21 13 00-0148	LF	#5, Grade 50, Walls, Galvanized Steel Reinforcement Bar	1.20	
03 21 13 00-0149	LF	#6, Grade 50, Walls, Galvanized Steel Reinforcement Bar	1.67	
03 21 13 00-0150	LF	#3, Grade 60, Walls, Galvanized Steel Reinforcement Bar	0.48	
03 21 13 00-0151	LF	#4, Grade 60, Walls, Galvanized Steel Reinforcement Bar	0.82	
03 21 13 00-0152	LF	#5, Grade 60, Walls, Galvanized Steel Reinforcement Bar	1.23	
03 21 13 00-0153	LF	#6, Grade 60, Walls, Galvanized Steel Reinforcement Bar	1.72	
03 21 13 00-0154	LF	#7, Grade 60, Walls, Galvanized Steel Reinforcement Bar	2.27	
03 21 13 00-0155	LF	#8, Grade 60, Walls, Galvanized Steel Reinforcement Bar	2.86	
03 21 13 00-0156	LF	#9, Grade 60, Walls, Galvanized Steel Reinforcement Bar	3.56	
03 21 13 00-0157	LF	#10, Grade 60, Walls, Galvanized Steel Reinforcement Bar	4.39	
03 21 13 00-0158	LF	#11, Grade 60, Walls, Galvanized Steel Reinforcement Bar	5.30	
03 21 13 00-0159	LF	#14, Grade 60, Walls, Galvanized Steel Reinforcement Bar	7.41	
03 21 13 00-0160	LF	#18, Grade 60, Walls, Galvanized Steel Reinforcement Bar	12.82	
03 21 13 00-0161	LF	#6, Grade 75, Walls, Galvanized Steel Reinforcement Bar	1.77	
03 21 13 00-0162	LF	#7, Grade 75, Walls, Galvanized Steel Reinforcement Bar	2.34	
03 21 13 00-0163	LF	#8, Grade 75, Walls, Galvanized Steel Reinforcement Bar	2.95	
03 21 13 00-0164	LF	#9, Grade 75, Walls, Galvanized Steel Reinforcement Bar	3.68	
03 21 13 00-0165	LF	#10, Grade 75, Walls, Galvanized Steel Reinforcement Bar	4.54	
03 21 13 00-0166	LF	#11, Grade 75, Walls, Galvanized Steel Reinforcement Bar	5.47	
03 21 13 00-0167	LF	#14, Grade 75, Walls, Galvanized Steel Reinforcement Bar	7.66	
03 21 13 00-0168	LF	#18, Grade 75, Walls, Galvanized Steel Reinforcement Bar	13.28	

03 21 16 Epoxy-Coated Reinforcement Steel Bars *(03 21)*

03 21 16 00-0001 Beams And Girders, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0002	LF	#3, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.56	
03 21 16 00-0003	LF	#4, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.94	
03 21 16 00-0004	LF	#5, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.41	
03 21 16 00-0005	LF	#6, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.94	
03 21 16 00-0006	LF	#3, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.56	
03 21 16 00-0007	LF	#4, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.95	
03 21 16 00-0008	LF	#5, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.43	
03 21 16 00-0009	LF	#6, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.97	
03 21 16 00-0010	LF	#3, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.58	
03 21 16 00-0011	LF	#4, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.97	
03 21 16 00-0012	LF	#5, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.47	
03 21 16 00-0013	LF	#6, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.02	
03 21 16 00-0014	LF	#7, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.65	
03 21 16 00-0015	LF	#8, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.29	
03 21 16 00-0016	LF	#9, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	4.05	
03 21 16 00-0017	LF	#10, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	4.96	
03 21 16 00-0018	LF	#11, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	5.90	
03 21 16 00-0019	LF	#14, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	8.19	
03 21 16 00-0020	LF	#18, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	14.01	
03 21 16 00-0021	LF	#6, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.07	
03 21 16 00-0022	LF	#7, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.72	
03 21 16 00-0023	LF	#8, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.38	
03 21 16 00-0024	LF	#9, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	4.16	
03 21 16 00-0025	LF	#10, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	5.10	
03 21 16 00-0026	LF	#11, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	6.08	
03 21 16 00-0027	LF	#14, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	8.44	
03 21 16 00-0028	LF	#18, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	14.47	

03 21 16 00-0029 Columns, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0030	LF	#3, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	0.59	
03 21 16 00-0031	LF	#4, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	1.00	
03 21 16 00-0032	LF	#5, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	1.48	
03 21 16 00-0033	LF	#6, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	2.04	
03 21 16 00-0034	LF	#3, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	0.59	
03 21 16 00-0035	LF	#4, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	1.01	
03 21 16 00-0036	LF	#5, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	1.50	
03 21 16 00-0037	LF	#6, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	2.07	
03 21 16 00-0038	LF	#3, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	0.61	
03 21 16 00-0039	LF	#4, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	1.03	
03 21 16 00-0040	LF	#5, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	1.54	
03 21 16 00-0041	LF	#6, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	2.12	
03 21 16 00-0042	LF	#7, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	2.77	
03 21 16 00-0043	LF	#8, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	3.43	
03 21 16 00-0044	LF	#9, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	4.21	
03 21 16 00-0045	LF	#10, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	5.14	
03 21 16 00-0046	LF	#11, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	6.11	
03 21 16 00-0047	LF	#14, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	8.47	
03 21 16 00-0048	LF	#18, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	14.44	
03 21 16 00-0049	LF	#6, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	2.17	
03 21 16 00-0050	LF	#7, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	2.84	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0051	LF	#8, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	3.52	
03 21 16 00-0052	LF	#9, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	4.32	
03 21 16 00-0053	LF	#10, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	5.28	
03 21 16 00-0054	LF	#11, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	6.29	
03 21 16 00-0055	LF	#14, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	8.72	
03 21 16 00-0056	LF	#18, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	14.90	

03 21 16 00-0057 Footings, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0058	LF	#3, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	0.51	
03 21 16 00-0059	LF	#4, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	0.87	
03 21 16 00-0060	LF	#5, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	1.30	
03 21 16 00-0061	LF	#6, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	1.80	
03 21 16 00-0062	LF	#3, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	0.51	
03 21 16 00-0063	LF	#4, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	0.88	
03 21 16 00-0064	LF	#5, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	1.32	
03 21 16 00-0065	LF	#6, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	1.83	
03 21 16 00-0066	LF	#3, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	0.53	
03 21 16 00-0067	LF	#4, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	0.90	
03 21 16 00-0068	LF	#5, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	1.36	
03 21 16 00-0069	LF	#6, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	1.88	
03 21 16 00-0070	LF	#7, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	2.46	
03 21 16 00-0071	LF	#8, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	3.09	
03 21 16 00-0072	LF	#9, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	3.81	
03 21 16 00-0073	LF	#10, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	4.67	
03 21 16 00-0074	LF	#11, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	5.58	
03 21 16 00-0075	LF	#14, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	7.78	
03 21 16 00-0076	LF	#18, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	13.35	
03 21 16 00-0077	LF	#6, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	1.93	
03 21 16 00-0078	LF	#7, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	2.53	
03 21 16 00-0079	LF	#8, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	3.18	
03 21 16 00-0080	LF	#9, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	3.92	
03 21 16 00-0081	LF	#10, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	4.81	
03 21 16 00-0082	LF	#11, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	5.76	
03 21 16 00-0083	LF	#14, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	8.03	
03 21 16 00-0084	LF	#18, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	13.81	

03 21 16 00-0085 Slab On Grade, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0086	LF	#3, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.50	
03 21 16 00-0087	LF	#4, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.85	
03 21 16 00-0088	LF	#5, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.26	
03 21 16 00-0089	LF	#6, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.75	
03 21 16 00-0090	LF	#3, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.50	
03 21 16 00-0091	LF	#4, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.86	
03 21 16 00-0092	LF	#5, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.28	
03 21 16 00-0093	LF	#6, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.78	
03 21 16 00-0094	LF	#3, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.52	
03 21 16 00-0095	LF	#4, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.88	
03 21 16 00-0096	LF	#5, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.32	
03 21 16 00-0097	LF	#6, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.83	
03 21 16 00-0098	LF	#7, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.40	
03 21 16 00-0099	LF	#8, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	3.00	
03 21 16 00-0100	LF	#9, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	3.73	
03 21 16 00-0101	LF	#10, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	4.57	
03 21 16 00-0102	LF	#11, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	5.48	
03 21 16 00-0103	LF	#14, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	7.63	
03 21 16 00-0104	LF	#18, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	13.12	
03 21 16 00-0105	LF	#6, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.88	
03 21 16 00-0106	LF	#7, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.47	
03 21 16 00-0107	LF	#8, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	3.09	
03 21 16 00-0108	LF	#9, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	3.84	
03 21 16 00-0109	LF	#10, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	4.71	
03 21 16 00-0110	LF	#11, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	5.66	
03 21 16 00-0111	LF	#14, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	7.88	
03 21 16 00-0112	LF	#18, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	13.58	

03 21 16 00-0113 Elevated Slabs, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0114	LF	#3, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.47	
03 21 16 00-0115	LF	#4, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.79	
03 21 16 00-0116	LF	#5, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.19	
03 21 16 00-0117	LF	#6, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.65	
03 21 16 00-0118	LF	#3, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.47	
03 21 16 00-0119	LF	#4, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.80	
03 21 16 00-0120	LF	#5, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.21	
03 21 16 00-0121	LF	#6, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.68	
03 21 16 00-0122	LF	#3, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.49	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0123	LF	#4, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.82	
03 21 16 00-0124	LF	#5, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.25	
03 21 16 00-0125	LF	#6, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.73	
03 21 16 00-0126	LF	#7, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	2.28	
03 21 16 00-0127	LF	#8, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	2.86	
03 21 16 00-0128	LF	#9, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	3.56	
03 21 16 00-0129	LF	#10, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	4.39	
03 21 16 00-0130	LF	#11, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	5.26	
03 21 16 00-0131	LF	#14, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	7.36	
03 21 16 00-0132	LF	#18, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	12.69	
03 21 16 00-0133	LF	#6, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.78	
03 21 16 00-0134	LF	#7, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	2.35	
03 21 16 00-0135	LF	#8, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	2.95	
03 21 16 00-0136	LF	#9, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	3.67	
03 21 16 00-0137	LF	#10, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	4.53	
03 21 16 00-0138	LF	#11, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	5.44	
03 21 16 00-0139	LF	#14, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	7.61	
03 21 16 00-0140	LF	#18, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	13.15	

03 21 16 00-0141 Walls, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0142	LF	#3, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	0.45	
03 21 16 00-0143	LF	#4, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	0.77	
03 21 16 00-0144	LF	#5, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	1.15	
03 21 16 00-0145	LF	#6, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	1.60	
03 21 16 00-0146	LF	#3, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	0.45	
03 21 16 00-0147	LF	#4, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	0.78	
03 21 16 00-0148	LF	#5, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	1.17	
03 21 16 00-0149	LF	#6, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	1.63	
03 21 16 00-0150	LF	#3, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	0.47	
03 21 16 00-0151	LF	#4, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	0.80	
03 21 16 00-0152	LF	#5, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	1.21	
03 21 16 00-0153	LF	#6, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	1.68	
03 21 16 00-0154	LF	#7, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	2.22	
03 21 16 00-0155	LF	#8, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	2.79	
03 21 16 00-0156	LF	#9, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	3.48	
03 21 16 00-0157	LF	#10, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	4.29	
03 21 16 00-0158	LF	#11, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	5.16	
03 21 16 00-0159	LF	#14, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	7.22	
03 21 16 00-0160	LF	#18, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	12.48	
03 21 16 00-0161	LF	#6, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	1.73	
03 21 16 00-0162	LF	#7, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	2.29	
03 21 16 00-0163	LF	#8, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	2.88	
03 21 16 00-0164	LF	#9, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	3.59	
03 21 16 00-0165	LF	#10, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	4.43	
03 21 16 00-0166	LF	#11, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	5.34	
03 21 16 00-0167	LF	#14, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	7.47	
03 21 16 00-0168	LF	#18, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	12.94	

03 21 16 00-0169 Epoxy Coated Deformed Straight Dowels *(03 21 16)*

03 21 16 00-0170	EA	3/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	2.30	
		For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth	*2.02*	
		For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth	*1.94*	
		For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth	*2.32*	
		For >12" To <24" Length, Deduct	*-0.16*	
		For Up To 12" Length, Deduct	*-0.32*	
03 21 16 00-0171	EA	1/2" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	2.80	
		For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth	*2.12*	
		For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth	*2.04*	
		For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth	*2.44*	
		For >12" To <24" Length, Deduct	*-0.25*	
		For Up To 12" Length, Deduct	*-0.49*	
03 21 16 00-0172	EA	5/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	3.48	
		For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth	*2.23*	
		For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth	*2.14*	
		For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth	*2.56*	
		For >12" To <24" Length, Deduct	*-0.37*	
		For Up To 12" Length, Deduct	*-0.73*	
03 21 16 00-0173	EA	3/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	4.17	
		For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth	*2.34*	
		For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth	*2.26*	
		For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth	*2.69*	
		For >12" To <24" Length, Deduct	*-0.49*	
		For Up To 12" Length, Deduct	*-0.97*	
03 21 16 00-0174	EA	7/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	5.21	
		For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth	*2.55*	
		For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth	*2.46*	
		For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth	*2.93*	
		For >12" To <24" Length, Deduct	*-0.66*	
		For Up To 12" Length, Deduct	*-1.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0175	EA	1" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	6.16	
		For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth	*2.78*	
		For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth	*2.68*	
		For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth	*3.20*	
		For >12" To <24" Length, Deduct	*-0.82*	
		For Up To 12" Length, Deduct	*-1.63*	
03 21 16 00-0176	EA	1-1/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	7.35	
		For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth	*3.21*	
		For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth	*3.09*	
		For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth	*3.70*	
		For >12" To <24" Length, Deduct	*-0.99*	
		For Up To 12" Length, Deduct	*-1.98*	
03 21 16 00-0177	EA	1-1/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	8.83	
		For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth	*3.79*	
		For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth	*3.64*	
		For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth	*4.36*	
		For >12" To <24" Length, Deduct	*-1.20*	
		For Up To 12" Length, Deduct	*-2.39*	

03 22 Fabric And Grid Reinforcing *(03 20)*

03 22 11 Plain Welded Wire Fabric Reinforcing *(03 22)*

Note: Includes cutting, tie wire, tying, overlap, bar chairs and all non-mechanical splicing.

03 22 11 00-0001 Plain Welded Wire Fabric Reinforceing Placed In Floors Or Slabs *(03 22 11)*

Note: Includes bar chairs. Under 5 tons. ASTM A-185

03 22 11 00-0002	SF	6" x 6" x #10, 21 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	0.62	
		For >5 Ton, Deduct	*-0.09*	
03 22 11 00-0003	SF	6" x 6" x #8, 30 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	0.71	
		For >5 Ton, Deduct	*-0.11*	
03 22 11 00-0004	SF	6" x 6" x #6, 42 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	0.80	
		For >5 Ton, Deduct	*-0.12*	
03 22 11 00-0005	SF	6" x 6" x #4, 58 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	0.94	
		For >5 Ton, Deduct	*-0.14*	
03 22 11 00-0006	SF	4" x 4" x #10, 31 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	0.74	
		For >5 Ton, Deduct	*-0.11*	
03 22 11 00-0007	SF	4" x 4" x #8, 44 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	0.83	
		For >5 Ton, Deduct	*-0.12*	
03 22 11 00-0008	SF	4" x 4" x #6, 62 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	1.04	
		For >5 Ton, Deduct	*-0.15*	
03 22 11 00-0009	SF	4" x 4" x #4, 85 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	1.20	
		For >5 Ton, Deduct	*-0.16*	
03 22 11 00-0010	SF	2" x 2" x #12, 37 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W0.9 x W0.9)	1.12	
		For >5 Ton, Deduct	*-0.15*	

03 22 13 Galvanized Welded Wire Fabric Reinforcing *(03 22)*

03 22 13 00-0001 Galvanized Welded Wire Fabric Reinforceing Placed In Floors Or Slabs *(03 22 13)*

Note: Includes bar chairs. Under 5 tons.

03 22 13 00-0002	SF	6" x 6" x #10, 21 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	0.69	
		For >5 Ton, Deduct	*-0.10*	
03 22 13 00-0003	SF	6" x 6" x #8, 29 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	0.79	
		For >5 Ton, Deduct	*-0.12*	
03 22 13 00-0004	SF	6" x 6" x #6, 42 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	0.90	
		For >5 Ton, Deduct	*-0.13*	
03 22 13 00-0005	SF	6" x 6" x #4, 58 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	1.08	
		For >5 Ton, Deduct	*-0.15*	
03 22 13 00-0006	SF	4" x 4" x #10, 31 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	0.83	
		For >5 Ton, Deduct	*-0.12*	
03 22 13 00-0007	SF	4" x 4" x #8, 43 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	0.94	
		For >5 Ton, Deduct	*-0.13*	
03 22 13 00-0008	SF	4" x 4" x #6, 62 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	1.22	
		For >5 Ton, Deduct	*-0.16*	
03 22 13 00-0009	SF	4" x 4" x #4, 85 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	1.43	
		For >5 Ton, Deduct	*-0.19*	

03 22 13 00-0010 Galvanized Welded Wire Reinforcement Wrap Placed In Beams And Columns *(03 22 13)*

Note: Includes bar chairs. Under 5 tons.

03 22 13 00-0011	SF	2" x 2" x #14, 21 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Wrap Placed In Beams And Columns (W0.5 x W0.5)	2.44	
		For >5 Ton, Deduct	*-0.38*	

03 22 16 Epoxy-Coated Welded Wire Fabric Reinforcing *(03 22)*

03 22 16 00-0001 Epoxy Coated Welded Wire Fabric Reinforceing Placed In Floors Or Slabs *(03 22 16)*

Note: Includes bar chairs. Under 5 tons.

03 22 16 00-0002	SF	6" x 6" x #10, 21 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	0.68	
		For >5 Ton, Deduct	*-0.10*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 22 16 00-0003	SF	6" x 6" x #8, 29 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	0.78	
		For >5 Ton, Deduct	*-0.11*	
03 22 16 00-0004	SF	6" x 6" x #6, 42 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	0.89	
		For >5 Ton, Deduct	*-0.13*	
03 22 16 00-0005	SF	6" x 6" x #4, 58 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	1.07	
		For >5 Ton, Deduct	*-0.15*	
03 22 16 00-0006	SF	4" x 4" x #10, 31 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	0.82	
		For >5 Ton, Deduct	*-0.12*	
03 22 16 00-0007	SF	4" x 4" x #8, 43 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	0.93	
		For >5 Ton, Deduct	*-0.13*	
03 22 16 00-0008	SF	4" x 4" x #6, 62 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	1.20	
		For >5 Ton, Deduct	*-0.16*	
03 22 16 00-0009	SF	4" x 4" x #4, 85 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	1.40	
		For >5 Ton, Deduct	*-0.18*	

03 22 23 Stainless Steel Welded Wire Fabric Reinforcing *(03 22)*

Note: Includes cutting, tie wire, tying, overlap, bar chairs and all non-mechanical splicing.

03 22 23 00-0001 Stainless Steel Welded Wire Fabric Reinforceing Placed In Floors Or Slabs *(03 22 23)*

03 22 23 00-0002	SF	6" x 6" x #10, Stainless Steel Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.11
03 22 23 00-0003	SF	4" x 4" x #10, Stainless Steel Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.41

03 30 Cast-In-Place Concrete *(03)*

See CSI section 01 74 19 00-0038 for hauling over 15 miles.

03 31 Structural Concrete *(03 30)*

03 31 13 Heavyweight Structural Concrete *(03 31)*

Note: Includes delivery and placement of material. See CSI section 02 41 00 00-0000 for demolition, 03 05 00 00-0001 for admixtures, 03 11 00 00-0000 for forming, 03 20 00 00-0000 for reinforcing, 03 35 00 00-0000 for finishing, 03 39 00 00-0000 for curing.

03 31 13 00-0001 Concrete Assemblies *(03 31 13)*

03 31 13 00-0002 3,000 PSI Slab On Grade Concrete Slabs Assemblies *(03 31 13 00-0001)*

Note: Includes forms, welded wire reinforcement (where necessary), #3-#6 reinforcing rods at 12" on center with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float, and finish for pedestrian slabs. Excludes excavation, base, earthwork, and expansion joints along existing. See CSI section 03 05 00 00-0001 for color additive alternative.

03 31 13 00-0003	SF	4" 3,000 PSI Slab On Grade Concrete Slabs Assembly	5.91
		For 2,000 PSI Concrete, Deduct	*-0.16*
		For 2,500 PSI Concrete, Deduct	*-0.08*
		For 3,500 PSI Concrete, Add	*0.06*
		For 4,000 PSI Concrete, Add	*0.18*
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.13*
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.40*
		For Up To 500, Add	*2.37*
		For >500 To 1,000, Add	*1.63*
		For >1,000 To 2,000, Add	*0.89*
		For >2,000 To 5,000, Add	*0.44*
		For >10,000 To 20,000, Deduct	*-0.15*
		For >20,000 To 35,000, Deduct	*-0.29*
		For >35,000 To 50,000, Deduct	*-0.44*
		For >50,000 To 70,000, Deduct	*-0.59*
		For >70,000, Deduct	*-0.74*
03 31 13 00-0004	SF	5" 3,000 PSI Slab On Grade Concrete Slabs Assembly	6.45
		For 2,000 PSI Concrete, Deduct	*-0.18*
		For 2,500 PSI Concrete, Deduct	*-0.09*
		For 3,500 PSI Concrete, Add	*0.06*
		For 4,000 PSI Concrete, Add	*0.21*
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.13*
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.40*
		For Up To 500, Add	*2.54*
		For >500 To 1,000, Add	*1.75*
		For >1,000 To 2,000, Add	*0.96*
		For >2,000 To 5,000, Add	*0.48*
		For >10,000 To 20,000, Deduct	*-0.17*
		For >20,000 To 35,000, Deduct	*-0.33*
		For >35,000 To 50,000, Deduct	*-0.49*
		For >50,000 To 70,000, Deduct	*-0.65*
		For >70,000, Deduct	*-0.81*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0005	SF	6" 3,000 PSI Slab On Grade Concrete Slabs Assembly	7.22	
		For 2,000 PSI Concrete, Deduct	*-0.21*	
		For 2,500 PSI Concrete, Deduct	*-0.11*	
		For 3,500 PSI Concrete, Add	*0.07*	
		For 4,000 PSI Concrete, Add	*0.25*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.13*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.40*	
		For Up To 500, Add	*2.78*	
		For >500 To 1,000, Add	*1.92*	
		For >1,000 To 2,000, Add	*1.06*	
		For >2,000 To 5,000, Add	*0.53*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000 To 35,000, Deduct	*-0.38*	
		For >35,000 To 50,000, Deduct	*-0.56*	
		For >50,000 To 70,000, Deduct	*-0.74*	
		For >70,000, Deduct	*-0.92*	
03 31 13 00-0006	SF	7" 3,000 PSI Slab On Grade Concrete Slabs Assembly	7.95	
		For 2,000 PSI Concrete, Deduct	*-0.24*	
		For 2,500 PSI Concrete, Deduct	*-0.12*	
		For 3,500 PSI Concrete, Add	*0.09*	
		For 4,000 PSI Concrete, Add	*0.28*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.13*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.40*	
		For Up To 500, Add	*2.98*	
		For >500 To 1,000, Add	*2.06*	
		For >1,000 To 2,000, Add	*1.14*	
		For >2,000 To 5,000, Add	*0.57*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000 To 35,000, Deduct	*-0.42*	
		For >35,000 To 50,000, Deduct	*-0.62*	
		For >50,000 To 70,000, Deduct	*-0.82*	
		For >70,000, Deduct	*-1.02*	
03 31 13 00-0007	SF	8" 3,000 PSI Slab On Grade Concrete Slabs Assembly	8.56	
		For 2,000 PSI Concrete, Deduct	*-0.27*	
		For 2,500 PSI Concrete, Deduct	*-0.13*	
		For 3,500 PSI Concrete, Add	*0.09*	
		For 4,000 PSI Concrete, Add	*0.31*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.13*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.40*	
		For Up To 500, Add	*3.15*	
		For >500 To 1,000, Add	*2.18*	
		For >1,000 To 2,000, Add	*1.22*	
		For >2,000 To 5,000, Add	*0.61*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000 To 35,000, Deduct	*-0.46*	
		For >35,000 To 50,000, Deduct	*-0.68*	
		For >50,000 To 70,000, Deduct	*-0.89*	
		For >70,000, Deduct	*-1.10*	
03 31 13 00-0008	SF	10" 3,000 PSI Slab On Grade Concrete Slabs Assembly	10.14	
		For 2,000 PSI Concrete, Deduct	*-0.34*	
		For 2,500 PSI Concrete, Deduct	*-0.17*	
		For 3,500 PSI Concrete, Add	*0.12*	
		For 4,000 PSI Concrete, Add	*0.39*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.13*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.40*	
		For Up To 500, Add	*3.58*	
		For >500 To 1,000, Add	*2.49*	
		For >1,000 To 2,000, Add	*1.40*	
		For >2,000 To 5,000, Add	*0.70*	
		For >10,000 To 20,000, Deduct	*-0.31*	
		For >20,000 To 35,000, Deduct	*-0.57*	
		For >35,000 To 50,000, Deduct	*-0.82*	
		For >50,000 To 70,000, Deduct	*-1.07*	
		For >70,000, Deduct	*-1.33*	
03 31 13 00-0009	SF	12" 3,000 PSI Slab On Grade Concrete Slabs Assembly	11.37	
		For 2,000 PSI Concrete, Deduct	*-0.39*	
		For 2,500 PSI Concrete, Deduct	*-0.19*	
		For 3,500 PSI Concrete, Add	*0.14*	
		For 4,000 PSI Concrete, Add	*0.45*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.13*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.40*	
		For Up To 500, Add	*3.93*	
		For >500 To 1,000, Add	*2.74*	
		For >1,000 To 2,000, Add	*1.55*	
		For >2,000 To 5,000, Add	*0.78*	
		For >10,000 To 20,000, Deduct	*-0.36*	
		For >20,000 To 35,000, Deduct	*-0.65*	
		For >35,000 To 50,000, Deduct	*-0.93*	
		For >50,000 To 70,000, Deduct	*-1.21*	
		For >70,000, Deduct	*-1.50*	

03 31 13 00-0010 Concrete Delivery And Placement *(03 31 13)*

Note: Includes cleaning out equipment and standard concrete placement tests. See CSI section 01 45 23 00-0000 for additional tests, 03 05 00 00-0001 for admixtures.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0011		Place Concrete By Method Indicated *(03 31 13 00-0010)*		
		Note: Tasks for concrete placement "By Concrete Pump" exclude the pumping equipment. See CSI section 03 31 13 00-0088 for concrete pumping equipment.		
03 31 13 00-0012		Place Concrete Pile Caps *(03 31 13 00-0011)*		
03 31 13 00-0013	CY	Crane And Bucket, Place 3,000 PSI Concrete Pile Caps	214.13	
		For 2,000 PSI Concrete, Deduct	*-6.52*	
		For 2,500 PSI Concrete, Deduct	*-3.26*	
		For 3,500 PSI Concrete, Add	*6.04*	
		For 3,750 PSI Concrete, Add	*8.21*	
		For 4,000 PSI Concrete, Add	*10.38*	
		For 4,500 PSI Concrete, Add	*12.08*	
		For 5,000 PSI Concrete, Add	*13.77*	
		For 6,000 PSI Concrete, Add	*32.60*	
		For White Cement Concrete, Add	*14.49*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*15.70*	
		For High Early Strength, Type 3 ASTM C150, Add	*12.08*	
		For Lightweight Aggregate, ASTM C330, Add	*36.23*	
		For Up To 20, Add	*37.35*	
		For >20 To 50, Add	*14.01*	
		For >100 To 200, Deduct	*-4.28*	
		For >200 To 400, Deduct	*-8.57*	
		For >400, Deduct	*-12.85*	
03 31 13 00-0014	CY	Direct Chute, Place 3,000 PSI Concrete Pile Caps	164.06	
		For 2,000 PSI Concrete, Deduct	*-6.52*	
		For 2,500 PSI Concrete, Deduct	*-3.26*	
		For 3,500 PSI Concrete, Add	*6.04*	
		For 3,750 PSI Concrete, Add	*8.21*	
		For 4,000 PSI Concrete, Add	*10.38*	
		For 4,500 PSI Concrete, Add	*12.08*	
		For 5,000 PSI Concrete, Add	*13.77*	
		For 6,000 PSI Concrete, Add	*32.60*	
		For White Cement Concrete, Add	*14.49*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*15.70*	
		For High Early Strength, Type 3 ASTM C150, Add	*12.08*	
		For Lightweight Aggregate, ASTM C330, Add	*36.23*	
		For Up To 20, Add	*17.32*	
		For >20 To 50, Add	*6.50*	
		For >100 To 200, Deduct	*-3.28*	
		For >200 To 400, Deduct	*-6.56*	
		For >400, Deduct	*-9.84*	
03 31 13 00-0015	CY	Concrete Pump, Place 3,000 PSI Concrete Pile Caps	172.07	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-7.06*	
		For 2,500 PSI Concrete, Deduct	*-3.53*	
		For 3,500 PSI Concrete, Add	*6.54*	
		For 3,750 PSI Concrete, Add	*8.90*	
		For 4,000 PSI Concrete, Add	*11.25*	
		For 4,500 PSI Concrete, Add	*13.08*	
		For 5,000 PSI Concrete, Add	*14.91*	
		For 6,000 PSI Concrete, Add	*35.32*	
		For White Cement Concrete, Add	*15.70*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*17.01*	
		For High Early Strength, Type 3 ASTM C150, Add	*13.08*	
		For Lightweight Aggregate, ASTM C330, Add	*39.24*	
		For Up To 20, Add	*16.50*	
		For >20 To 50, Add	*6.19*	
		For >100 To 200, Deduct	*-3.44*	
		For >200 To 400, Deduct	*-6.88*	
		For >400, Deduct	*-10.32*	
03 31 13 00-0016		Place Concrete Continuous Footings *(03 31 13 00-0011)*		
03 31 13 00-0017	CY	Crane And Bucket, Place 3,000 PSI Concrete Continuous Footings	203.76	
		For 2,000 PSI Concrete, Deduct	*-6.52*	
		For 2,500 PSI Concrete, Deduct	*-3.26*	
		For 3,500 PSI Concrete, Add	*6.04*	
		For 3,750 PSI Concrete, Add	*8.21*	
		For 4,000 PSI Concrete, Add	*10.38*	
		For 4,500 PSI Concrete, Add	*12.08*	
		For 5,000 PSI Concrete, Add	*13.77*	
		For 6,000 PSI Concrete, Add	*32.60*	
		For White Cement Concrete, Add	*14.49*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*15.70*	
		For High Early Strength, Type 3 ASTM C150, Add	*12.08*	
		For Lightweight Aggregate, ASTM C330, Add	*36.23*	
		For Up To 20, Add	*33.20*	
		For >20 To 50, Add	*12.45*	
		For >100 To 200, Deduct	*-4.08*	
		For >200 To 400, Deduct	*-8.15*	
		For >400, Deduct	*-12.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0018	CY	Direct Chute, Place 3,000 PSI Concrete Continuous Footings	159.25	
		For 2,000 PSI Concrete, Deduct	*-6.52*	
		For 2,500 PSI Concrete, Deduct	*-3.26*	
		For 3,500 PSI Concrete, Add	*6.04*	
		For 3,750 PSI Concrete, Add	*8.21*	
		For 4,000 PSI Concrete, Add	*10.38*	
		For 4,500 PSI Concrete, Add	*12.08*	
		For 5,000 PSI Concrete, Add	*13.77*	
		For 6,000 PSI Concrete, Add	*32.60*	
		For White Cement Concrete, Add	*14.49*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*15.70*	
		For High Early Strength, Type 3 ASTM C150, Add	*12.08*	
		For Lightweight Aggregate, ASTM C330, Add	*36.23*	
		For Up To 20, Add	*15.40*	
		For >20 To 50, Add	*5.78*	
		For >100 To 200, Deduct	*-3.19*	
		For >200 To 400, Deduct	*-6.37*	
		For >400, Deduct	*-9.56*	
03 31 13 00-0019	CY	Concrete Pump, Place 3,000 PSI Concrete Continuous Footings Note: Excludes pumping equipment.	167.48	
		For 2,000 PSI Concrete, Deduct	*-7.06*	
		For 2,500 PSI Concrete, Deduct	*-3.53*	
		For 3,500 PSI Concrete, Add	*6.54*	
		For 3,750 PSI Concrete, Add	*8.90*	
		For 4,000 PSI Concrete, Add	*11.25*	
		For 4,500 PSI Concrete, Add	*13.08*	
		For 5,000 PSI Concrete, Add	*14.91*	
		For 6,000 PSI Concrete, Add	*35.32*	
		For White Cement Concrete, Add	*15.70*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*17.01*	
		For High Early Strength, Type 3 ASTM C150, Add	*13.08*	
		For Lightweight Aggregate, ASTM C330, Add	*39.24*	
		For Up To 20, Add	*14.67*	
		For >20 To 50, Add	*5.50*	
		For >100 To 200, Deduct	*-3.35*	
		For >200 To 400, Deduct	*-6.70*	
		For >400, Deduct	*-10.05*	

03 31 13 00-0020 Place Concrete Spread Footings *(03 31 13 00-0011)*

03 31 13 00-0021	CY	Crane And Bucket, Place 3,000 PSI Concrete Spread Footings	260.82	
		For 2,000 PSI Concrete, Deduct	*-6.52*	
		For 2,500 PSI Concrete, Deduct	*-3.26*	
		For 3,500 PSI Concrete, Add	*6.04*	
		For 3,750 PSI Concrete, Add	*8.21*	
		For 4,000 PSI Concrete, Add	*10.38*	
		For 4,500 PSI Concrete, Add	*12.08*	
		For 5,000 PSI Concrete, Add	*13.77*	
		For 6,000 PSI Concrete, Add	*32.60*	
		For White Cement Concrete, Add	*14.49*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*15.70*	
		For High Early Strength, Type 3 ASTM C150, Add	*12.08*	
		For Lightweight Aggregate, ASTM C330, Add	*36.23*	
		For Up To 20, Add	*56.03*	
		For >20 To 50, Add	*21.01*	
		For >100 To 200, Deduct	*-5.22*	
		For >200 To 400, Deduct	*-10.43*	
		For >400, Deduct	*-15.65*	
03 31 13 00-0022	CY	Direct Chute, Place 3,000 PSI Concrete Spread Footings	185.73	
		For 2,000 PSI Concrete, Deduct	*-6.52*	
		For 2,500 PSI Concrete, Deduct	*-3.26*	
		For 3,500 PSI Concrete, Add	*6.04*	
		For 3,750 PSI Concrete, Add	*8.21*	
		For 4,000 PSI Concrete, Add	*10.38*	
		For 4,500 PSI Concrete, Add	*12.08*	
		For 5,000 PSI Concrete, Add	*13.77*	
		For 6,000 PSI Concrete, Add	*32.60*	
		For White Cement Concrete, Add	*14.49*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*15.70*	
		For High Early Strength, Type 3 ASTM C150, Add	*12.08*	
		For Lightweight Aggregate, ASTM C330, Add	*36.23*	
		For Up To 20, Add	*25.99*	
		For >20 To 50, Add	*9.75*	
		For >100 To 200, Deduct	*-3.71*	
		For >200 To 400, Deduct	*-7.43*	
		For >400, Deduct	*-11.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0023	CY	Concrete Pump, Place 3,000 PSI Concrete Spread Footings Note: Excludes pumping equipment.	192.70	
		For 2,000 PSI Concrete, Deduct	*-7.06*	
		For 2,500 PSI Concrete, Deduct	*-3.53*	
		For 3,500 PSI Concrete, Add	*6.54*	
		For 3,750 PSI Concrete, Add	*8.90*	
		For 4,000 PSI Concrete, Add	*11.25*	
		For 4,500 PSI Concrete, Add	*13.08*	
		For 5,000 PSI Concrete, Add	*14.91*	
		For 6,000 PSI Concrete, Add	*35.32*	
		For White Cement Concrete, Add	*15.70*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*17.01*	
		For High Early Strength, Type 3 ASTM C150, Add	*13.08*	
		For Lightweight Aggregate, ASTM C330, Add	*39.24*	
		For Up To 20, Add	*24.76*	
		For >20 To 50, Add	*9.28*	
		For >100 To 200, Deduct	*-3.85*	
		For >200 To 400, Deduct	*-7.71*	
		For >400, Deduct	*-11.56*	

03 31 13 00-0024 Place Concrete Mat Foundation *(03 31 13 00-0011)*

03 31 13 00-0025	CY	Crane And Bucket, Place 3,000 PSI Concrete Mat Foundation	145.66	
		For 2,000 PSI Concrete, Deduct	*-6.52*	
		For 2,500 PSI Concrete, Deduct	*-3.26*	
		For 3,500 PSI Concrete, Add	*6.04*	
		For 3,750 PSI Concrete, Add	*8.21*	
		For 4,000 PSI Concrete, Add	*10.38*	
		For 4,500 PSI Concrete, Add	*12.08*	
		For 5,000 PSI Concrete, Add	*13.77*	
		For 6,000 PSI Concrete, Add	*32.60*	
		For White Cement Concrete, Add	*14.49*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*15.70*	
		For High Early Strength, Type 3 ASTM C150, Add	*12.08*	
		For Lightweight Aggregate, ASTM C330, Add	*36.23*	
		For Up To 20, Add	*9.96*	
		For >20 To 50, Add	*3.74*	
		For >100 To 200, Deduct	*-2.91*	
		For >200 To 400, Deduct	*-5.83*	
		For >400, Deduct	*-8.74*	
03 31 13 00-0026	CY	Direct Chute, Place 3,000 PSI Concrete Mat Foundation	132.30	
		For 2,000 PSI Concrete, Deduct	*-6.52*	
		For 2,500 PSI Concrete, Deduct	*-3.26*	
		For 3,500 PSI Concrete, Add	*6.04*	
		For 3,750 PSI Concrete, Add	*8.21*	
		For 4,000 PSI Concrete, Add	*10.38*	
		For 4,500 PSI Concrete, Add	*12.08*	
		For 5,000 PSI Concrete, Add	*13.77*	
		For 6,000 PSI Concrete, Add	*32.60*	
		For White Cement Concrete, Add	*14.49*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*15.70*	
		For High Early Strength, Type 3 ASTM C150, Add	*12.08*	
		For Lightweight Aggregate, ASTM C330, Add	*36.23*	
		For Up To 20, Add	*4.62*	
		For >20 To 50, Add	*1.73*	
		For >100 To 200, Deduct	*-2.65*	
		For >200 To 400, Deduct	*-5.29*	
		For >400, Deduct	*-7.94*	
03 31 13 00-0027	CY	Concrete Pump, Place 3,000 PSI Concrete Mat Foundation Note: Excludes pumping equipment.	140.44	
		For 2,000 PSI Concrete, Deduct	*-7.06*	
		For 2,500 PSI Concrete, Deduct	*-3.53*	
		For 3,500 PSI Concrete, Add	*6.54*	
		For 3,750 PSI Concrete, Add	*8.90*	
		For 4,000 PSI Concrete, Add	*11.25*	
		For 4,500 PSI Concrete, Add	*13.08*	
		For 5,000 PSI Concrete, Add	*14.91*	
		For 6,000 PSI Concrete, Add	*35.32*	
		For White Cement Concrete, Add	*15.70*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*17.01*	
		For High Early Strength, Type 3 ASTM C150, Add	*13.08*	
		For Lightweight Aggregate, ASTM C330, Add	*39.24*	
		For Up To 20, Add	*3.85*	
		For >20 To 50, Add	*1.44*	
		For >100 To 200, Deduct	*-2.81*	
		For >200 To 400, Deduct	*-5.62*	
		For >400, Deduct	*-8.43*	

03 31 13 00-0028 Place Concrete Grade Beams *(03 31 13 00-0011)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0029	CY	Crane And Bucket, Place 3,000 PSI Concrete Grade Beams	187.15	
		For 2,000 PSI Concrete, Deduct	*-6.52*	
		For 2,500 PSI Concrete, Deduct	*-3.26*	
		For 3,500 PSI Concrete, Add	*6.04*	
		For 3,750 PSI Concrete, Add	*8.21*	
		For 4,000 PSI Concrete, Add	*10.38*	
		For 4,500 PSI Concrete, Add	*12.08*	
		For 5,000 PSI Concrete, Add	*13.77*	
		For 6,000 PSI Concrete, Add	*32.60*	
		For White Cement Concrete, Add	*14.49*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*15.70*	
		For High Early Strength, Type 3 ASTM C150, Add	*12.08*	
		For Lightweight Aggregate, ASTM C330, Add	*36.23*	
		For Up To 20, Add	*26.56*	
		For >20 To 50, Add	*9.96*	
		For >100 To 200, Deduct	*-3.74*	
		For >200 To 400, Deduct	*-7.49*	
		For >400, Deduct	*-11.23*	
03 31 13 00-0030	CY	Direct Chute, Place 3,000 PSI Concrete Grade Beams	151.55	
		For 2,000 PSI Concrete, Deduct	*-6.52*	
		For 2,500 PSI Concrete, Deduct	*-3.26*	
		For 3,500 PSI Concrete, Add	*6.04*	
		For 3,750 PSI Concrete, Add	*8.21*	
		For 4,000 PSI Concrete, Add	*10.38*	
		For 4,500 PSI Concrete, Add	*12.08*	
		For 5,000 PSI Concrete, Add	*13.77*	
		For 6,000 PSI Concrete, Add	*32.60*	
		For White Cement Concrete, Add	*14.49*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*15.70*	
		For High Early Strength, Type 3 ASTM C150, Add	*12.08*	
		For Lightweight Aggregate, ASTM C330, Add	*36.23*	
		For Up To 20, Add	*12.32*	
		For >20 To 50, Add	*4.62*	
		For >100 To 200, Deduct	*-3.03*	
		For >200 To 400, Deduct	*-6.06*	
		For >400, Deduct	*-9.09*	
03 31 13 00-0031	CY	Concrete Pump, Place 3,000 PSI Concrete Grade Beams Note: Excludes pumping equipment.	160.15	
		For 2,000 PSI Concrete, Deduct	*-7.06*	
		For 2,500 PSI Concrete, Deduct	*-3.53*	
		For 3,500 PSI Concrete, Add	*6.54*	
		For 3,750 PSI Concrete, Add	*8.90*	
		For 4,000 PSI Concrete, Add	*11.25*	
		For 4,500 PSI Concrete, Add	*13.08*	
		For 5,000 PSI Concrete, Add	*14.91*	
		For 6,000 PSI Concrete, Add	*35.32*	
		For White Cement Concrete, Add	*15.70*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*17.01*	
		For High Early Strength, Type 3 ASTM C150, Add	*13.08*	
		For Lightweight Aggregate, ASTM C330, Add	*39.24*	
		For Up To 20, Add	*11.74*	
		For >20 To 50, Add	*4.40*	
		For >100 To 200, Deduct	*-3.20*	
		For >200 To 400, Deduct	*-6.41*	
		For >400, Deduct	*-9.61*	

03 31 13 00-0032 Place Concrete Slab On Grade *(03 31 13 00-0011)*

03 31 13 00-0033	CY	Up To 6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade	188.71	
		For 2,000 PSI Concrete, Deduct	*-6.52*	
		For 2,500 PSI Concrete, Deduct	*-3.26*	
		For 3,500 PSI Concrete, Add	*6.04*	
		For 3,750 PSI Concrete, Add	*8.21*	
		For 4,000 PSI Concrete, Add	*10.38*	
		For 4,500 PSI Concrete, Add	*12.08*	
		For 5,000 PSI Concrete, Add	*13.77*	
		For 6,000 PSI Concrete, Add	*32.60*	
		For White Cement Concrete, Add	*14.49*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*15.70*	
		For High Early Strength, Type 3 ASTM C150, Add	*12.08*	
		For Lightweight Aggregate, ASTM C330, Add	*36.23*	
		For Up To 20, Add	*27.18*	
		For >20 To 50, Add	*10.19*	
		For >100 To 200, Deduct	*-3.77*	
		For >200 To 400, Deduct	*-7.55*	
		For >400, Deduct	*-11.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0034	CY	>6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade	172.32	
		For 2,000 PSI Concrete, Deduct	*-6.52*	
		For 2,500 PSI Concrete, Deduct	*-3.26*	
		For 3,500 PSI Concrete, Add	*6.04*	
		For 3,750 PSI Concrete, Add	*8.21*	
		For 4,000 PSI Concrete, Add	*10.38*	
		For 4,500 PSI Concrete, Add	*12.08*	
		For 5,000 PSI Concrete, Add	*13.77*	
		For 6,000 PSI Concrete, Add	*32.60*	
		For White Cement Concrete, Add	*14.49*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*15.70*	
		For High Early Strength, Type 3 ASTM C150, Add	*12.08*	
		For Lightweight Aggregate, ASTM C330, Add	*36.23*	
		For Up To 20, Add	*20.63*	
		For >20 To 50, Add	*7.74*	
		For >100 To 200, Deduct	*-3.45*	
		For >200 To 400, Deduct	*-6.89*	
		For >400, Deduct	*-10.34*	
03 31 13 00-0035	CY	Up To 6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade	152.28	
		For 2,000 PSI Concrete, Deduct	*-6.52*	
		For 2,500 PSI Concrete, Deduct	*-3.26*	
		For 3,500 PSI Concrete, Add	*6.04*	
		For 3,750 PSI Concrete, Add	*8.21*	
		For 4,000 PSI Concrete, Add	*10.38*	
		For 4,500 PSI Concrete, Add	*12.08*	
		For 5,000 PSI Concrete, Add	*13.77*	
		For 6,000 PSI Concrete, Add	*32.60*	
		For White Cement Concrete, Add	*14.49*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*15.70*	
		For High Early Strength, Type 3 ASTM C150, Add	*12.08*	
		For Lightweight Aggregate, ASTM C330, Add	*36.23*	
		For Up To 20, Add	*12.61*	
		For >20 To 50, Add	*4.73*	
		For >100 To 200, Deduct	*-3.05*	
		For >200 To 400, Deduct	*-6.09*	
		For >400, Deduct	*-9.14*	
03 31 13 00-0036	CY	>6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade	144.67	
		For 2,000 PSI Concrete, Deduct	*-6.52*	
		For 2,500 PSI Concrete, Deduct	*-3.26*	
		For 3,500 PSI Concrete, Add	*6.04*	
		For 3,750 PSI Concrete, Add	*8.21*	
		For 4,000 PSI Concrete, Add	*10.38*	
		For 4,500 PSI Concrete, Add	*12.08*	
		For 5,000 PSI Concrete, Add	*13.77*	
		For 6,000 PSI Concrete, Add	*32.60*	
		For White Cement Concrete, Add	*14.49*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*15.70*	
		For High Early Strength, Type 3 ASTM C150, Add	*12.08*	
		For Lightweight Aggregate, ASTM C330, Add	*36.23*	
		For Up To 20, Add	*9.57*	
		For >20 To 50, Add	*3.59*	
		For >100 To 200, Deduct	*-2.89*	
		For >200 To 400, Deduct	*-5.79*	
		For >400, Deduct	*-8.68*	
03 31 13 00-0037	CY	Up To 6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade	157.09	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-7.06*	
		For 2,500 PSI Concrete, Deduct	*-3.53*	
		For 3,500 PSI Concrete, Add	*6.54*	
		For 3,750 PSI Concrete, Add	*8.90*	
		For 4,000 PSI Concrete, Add	*11.25*	
		For 4,500 PSI Concrete, Add	*13.08*	
		For 5,000 PSI Concrete, Add	*14.91*	
		For 6,000 PSI Concrete, Add	*35.32*	
		For White Cement Concrete, Add	*15.70*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*17.01*	
		For High Early Strength, Type 3 ASTM C150, Add	*13.08*	
		For Lightweight Aggregate, ASTM C330, Add	*39.24*	
		For Up To 20, Add	*10.51*	
		For >20 To 50, Add	*3.94*	
		For >100 To 200, Deduct	*-3.14*	
		For >200 To 400, Deduct	*-6.28*	
		For >400, Deduct	*-9.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0038	CY	>6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade Note: Excludes pumping equipment.	150.74	
		For 2,000 PSI Concrete, Deduct	*-7.06*	
		For 2,500 PSI Concrete, Deduct	*-3.53*	
		For 3,500 PSI Concrete, Add	*6.54*	
		For 3,750 PSI Concrete, Add	*8.90*	
		For 4,000 PSI Concrete, Add	*11.25*	
		For 4,500 PSI Concrete, Add	*13.08*	
		For 5,000 PSI Concrete, Add	*14.91*	
		For 6,000 PSI Concrete, Add	*35.32*	
		For White Cement Concrete, Add	*15.70*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*17.01*	
		For High Early Strength, Type 3 ASTM C150, Add	*13.08*	
		For Lightweight Aggregate, ASTM C330, Add	*39.24*	
		For Up To 20, Add	*7.97*	
		For >20 To 50, Add	*2.99*	
		For >100 To 200, Deduct	*-3.01*	
		For >200 To 400, Deduct	*-6.03*	
		For >400, Deduct	*-9.04*	

03 31 13 00-0039 Place Concrete Duct Bank *(03 31 13 00-0011)*

03 31 13 00-0040	CY	Direct Chute, Place 3,000 PSI Concrete Duct Bank	146.84	
		For 2,000 PSI Concrete, Deduct	*-6.52*	
		For 2,500 PSI Concrete, Deduct	*-3.26*	
		For 3,500 PSI Concrete, Add	*6.04*	
		For 3,750 PSI Concrete, Add	*8.21*	
		For 4,000 PSI Concrete, Add	*10.38*	
		For 4,500 PSI Concrete, Add	*12.08*	
		For 5,000 PSI Concrete, Add	*13.77*	
		For 6,000 PSI Concrete, Add	*32.60*	
		For White Cement Concrete, Add	*14.49*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*15.70*	
		For High Early Strength, Type 3 ASTM C150, Add	*12.08*	
		For Lightweight Aggregate, ASTM C330, Add	*36.23*	
		For Up To 20, Add	*10.44*	
		For >20 To 50, Add	*3.91*	
		For >100 To 200, Deduct	*-2.94*	
		For >200 To 400, Deduct	*-5.87*	
		For >400, Deduct	*-8.81*	

03 31 13 00-0041 Place Concrete Stairs *(03 31 13 00-0011)*

03 31 13 00-0042	CY	Crane And Bucket, Place 3,000 PSI On Grade Concrete Stairs	426.54	
		For 2,000 PSI Concrete, Deduct	*-6.52*	
		For 2,500 PSI Concrete, Deduct	*-3.26*	
		For 3,500 PSI Concrete, Add	*6.04*	
		For 3,750 PSI Concrete, Add	*8.21*	
		For 4,000 PSI Concrete, Add	*10.38*	
		For 4,500 PSI Concrete, Add	*12.08*	
		For 5,000 PSI Concrete, Add	*13.77*	
		For 6,000 PSI Concrete, Add	*32.60*	
		For White Cement Concrete, Add	*14.49*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*15.70*	
		For High Early Strength, Type 3 ASTM C150, Add	*12.08*	
		For Lightweight Aggregate, ASTM C330, Add	*36.23*	
		For Up To 20, Add	*122.32*	
		For >20 To 50, Add	*45.87*	
		For >100 To 200, Deduct	*-8.53*	
		For >200 To 400, Deduct	*-17.06*	
		For >400, Deduct	*-25.59*	
03 31 13 00-0043	CY	Direct Chute, Place 3,000 PSI On Grade Concrete Stairs	262.62	
		For 2,000 PSI Concrete, Deduct	*-6.52*	
		For 2,500 PSI Concrete, Deduct	*-3.26*	
		For 3,500 PSI Concrete, Add	*6.04*	
		For 3,750 PSI Concrete, Add	*8.21*	
		For 4,000 PSI Concrete, Add	*10.38*	
		For 4,500 PSI Concrete, Add	*12.08*	
		For 5,000 PSI Concrete, Add	*13.77*	
		For 6,000 PSI Concrete, Add	*32.60*	
		For White Cement Concrete, Add	*14.49*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*15.70*	
		For High Early Strength, Type 3 ASTM C150, Add	*12.08*	
		For Lightweight Aggregate, ASTM C330, Add	*36.23*	
		For Up To 20, Add	*56.75*	
		For >20 To 50, Add	*21.28*	
		For >100 To 200, Deduct	*-5.25*	
		For >200 To 400, Deduct	*-10.50*	
		For >400, Deduct	*-15.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0044	CY	Concrete Pump, Place 3,000 PSI On Grade Concrete Stairs	249.05	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-7.06*	
		For 2,500 PSI Concrete, Deduct	*-3.53*	
		For 3,500 PSI Concrete, Add	*6.54*	
		For 3,750 PSI Concrete, Add	*8.90*	
		For 4,000 PSI Concrete, Add	*11.25*	
		For 4,500 PSI Concrete, Add	*13.08*	
		For 5,000 PSI Concrete, Add	*14.91*	
		For 6,000 PSI Concrete, Add	*35.32*	
		For White Cement Concrete, Add	*15.70*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*17.01*	
		For High Early Strength, Type 3 ASTM C150, Add	*13.08*	
		For Lightweight Aggregate, ASTM C330, Add	*39.24*	
		For Up To 20, Add	*47.30*	
		For >20 To 50, Add	*17.74*	
		For >100 To 200, Deduct	*-4.98*	
		For >200 To 400, Deduct	*-9.96*	
		For >400, Deduct	*-14.94*	

03 31 13 00-0045 Place Concrete Thrust Blocks And Backfill *(03 31 13 00-0011)*

03 31 13 00-0046	CY	Direct Chute, Place 3,000 PSI Concrete Thrust Blocks	190.05	
		For 2,000 PSI Concrete, Deduct	*-6.52*	
		For 2,500 PSI Concrete, Deduct	*-3.26*	
		For 3,500 PSI Concrete, Add	*6.04*	
		For 3,750 PSI Concrete, Add	*8.21*	
		For 4,000 PSI Concrete, Add	*10.38*	
		For 4,500 PSI Concrete, Add	*12.08*	
		For 5,000 PSI Concrete, Add	*13.77*	
		For 6,000 PSI Concrete, Add	*32.60*	
		For White Cement Concrete, Add	*14.49*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*15.70*	
		For High Early Strength, Type 3 ASTM C150, Add	*12.08*	
		For Lightweight Aggregate, ASTM C330, Add	*36.23*	
		For Up To 20, Add	*27.72*	
		For >20 To 50, Add	*10.40*	
		For >100 To 200, Deduct	*-3.80*	
		For >200 To 400, Deduct	*-7.60*	
		For >400, Deduct	*-11.40*	

03 31 13 00-0047 Place Concrete Slurry *(03 31 13 00-0011)*

Note: 2 bag cement per CY.

03 31 13 00-0048	CY	Direct Chute, Place 1,200 PSI Concrete Slurry	174.96	
03 31 13 00-0049	CY	Concrete Pump, Place 1,200 PSI Concrete Slurry	163.39	
		Note: Excludes pumping equipment.		

03 31 13 00-0050 Hand Mix And Place Concrete *(03 31 13 00-0011)*

03 31 13 00-0051	CF	Hand Mix And Place Concrete	26.78	
		Note: For use where conventional equipment access is limited or when directed by the owner.		
		For 2,000 PSI Concrete, Deduct	*-0.28*	
		For 2,500 PSI Concrete, Deduct	*-0.14*	
		For 3,500 PSI Concrete, Add	*0.26*	
		For 3,750 PSI Concrete, Add	*0.35*	
		For 4,000 PSI Concrete, Add	*0.44*	
		For 4,500 PSI Concrete, Add	*0.52*	
		For 5,000 PSI Concrete, Add	*0.59*	
		For 6,000 PSI Concrete, Add	*1.39*	
		For White Cement Concrete, Add	*0.62*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*0.67*	
		For High Early Strength, Type 3 ASTM C150, Add	*0.52*	
		For Lightweight Aggregate, ASTM C330, Add	*1.55*	

03 31 13 00-0052 Place Concrete Superstructure By Method Indicated *(03 31 13 00-0010)*

See CSI section 03 31 13 00-0088 for concrete pump truck.

03 31 13 00-0053 Place Elevated Concrete Beams *(03 31 13 00-0052)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0054	CY	Crane And Bucket, Place 3,000 PSI Elevated Concrete Beams	286.76	
		For 2,000 PSI Concrete, Deduct	*-6.52*	
		For 2,500 PSI Concrete, Deduct	*-3.26*	
		For 3,500 PSI Concrete, Add	*6.04*	
		For 3,750 PSI Concrete, Add	*8.21*	
		For 4,000 PSI Concrete, Add	*10.38*	
		For 4,500 PSI Concrete, Add	*12.08*	
		For 5,000 PSI Concrete, Add	*13.77*	
		For 6,000 PSI Concrete, Add	*32.60*	
		For White Cement Concrete, Add	*14.49*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*15.70*	
		For High Early Strength, Type 3 ASTM C150, Add	*12.08*	
		For Lightweight Aggregate, ASTM C330, Add	*36.23*	
		For Up To 20, Add	*66.40*	
		For >20 To 50, Add	*24.90*	
		For >100 To 200, Deduct	*-5.74*	
		For >200 To 400, Deduct	*-11.47*	
		For >400, Deduct	*-17.21*	
03 31 13 00-0055	CY	Concrete Pump, Place 3,000 PSI Elevated Concrete Beams	204.16	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-7.06*	
		For 2,500 PSI Concrete, Deduct	*-3.53*	
		For 3,500 PSI Concrete, Add	*6.54*	
		For 3,750 PSI Concrete, Add	*8.90*	
		For 4,000 PSI Concrete, Add	*11.25*	
		For 4,500 PSI Concrete, Add	*13.08*	
		For 5,000 PSI Concrete, Add	*14.91*	
		For 6,000 PSI Concrete, Add	*35.32*	
		For White Cement Concrete, Add	*15.70*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*17.01*	
		For High Early Strength, Type 3 ASTM C150, Add	*13.08*	
		For Lightweight Aggregate, ASTM C330, Add	*39.24*	
		For Up To 20, Add	*29.34*	
		For >20 To 50, Add	*11.00*	
		For >100 To 200, Deduct	*-4.08*	
		For >200 To 400, Deduct	*-8.17*	
		For >400, Deduct	*-12.25*	

03 31 13 00-0056 Place Elevated Concrete Slab *(03 31 13 00-0052)*

03 31 13 00-0057	CY	Up To 6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab	198.91	
		For 2,000 PSI Concrete, Deduct	*-6.52*	
		For 2,500 PSI Concrete, Deduct	*-3.26*	
		For 3,500 PSI Concrete, Add	*6.04*	
		For 3,750 PSI Concrete, Add	*8.21*	
		For 4,000 PSI Concrete, Add	*10.38*	
		For 4,500 PSI Concrete, Add	*12.08*	
		For 5,000 PSI Concrete, Add	*13.77*	
		For 6,000 PSI Concrete, Add	*32.60*	
		For White Cement Concrete, Add	*14.49*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*15.70*	
		For High Early Strength, Type 3 ASTM C150, Add	*12.08*	
		For Lightweight Aggregate, ASTM C330, Add	*36.23*	
		For Up To 20, Add	*31.26*	
		For >20 To 50, Add	*11.72*	
		For >100 To 200, Deduct	*-3.98*	
		For >200 To 400, Deduct	*-7.96*	
		For >400, Deduct	*-11.93*	
03 31 13 00-0058	CY	>6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab	180.05	
		For 2,000 PSI Concrete, Deduct	*-6.52*	
		For 2,500 PSI Concrete, Deduct	*-3.26*	
		For 3,500 PSI Concrete, Add	*6.04*	
		For 3,750 PSI Concrete, Add	*8.21*	
		For 4,000 PSI Concrete, Add	*10.38*	
		For 4,500 PSI Concrete, Add	*12.08*	
		For 5,000 PSI Concrete, Add	*13.77*	
		For 6,000 PSI Concrete, Add	*32.60*	
		For White Cement Concrete, Add	*14.49*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*15.70*	
		For High Early Strength, Type 3 ASTM C150, Add	*12.08*	
		For Lightweight Aggregate, ASTM C330, Add	*36.23*	
		For Up To 20, Add	*23.72*	
		For >20 To 50, Add	*8.90*	
		For >100 To 200, Deduct	*-3.60*	
		For >200 To 400, Deduct	*-7.20*	
		For >400, Deduct	*-10.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0059	CY	Up To 6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab	165.34	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-7.06*	
		For 2,500 PSI Concrete, Deduct	*-3.53*	
		For 3,500 PSI Concrete, Add	*6.54*	
		For 3,750 PSI Concrete, Add	*8.90*	
		For 4,000 PSI Concrete, Add	*11.25*	
		For 4,500 PSI Concrete, Add	*13.08*	
		For 5,000 PSI Concrete, Add	*14.91*	
		For 6,000 PSI Concrete, Add	*35.32*	
		For White Cement Concrete, Add	*15.70*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*17.01*	
		For High Early Strength, Type 3 ASTM C150, Add	*13.08*	
		For Lightweight Aggregate, ASTM C330, Add	*39.24*	
		For Up To 20, Add	*13.81*	
		For >20 To 50, Add	*5.18*	
		For >100 To 200, Deduct	*-3.31*	
		For >200 To 400, Deduct	*-6.61*	
		For >400, Deduct	*-9.92*	
03 31 13 00-0060	CY	>6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab	157.01	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-7.06*	
		For 2,500 PSI Concrete, Deduct	*-3.53*	
		For 3,500 PSI Concrete, Add	*6.54*	
		For 3,750 PSI Concrete, Add	*8.90*	
		For 4,000 PSI Concrete, Add	*11.25*	
		For 4,500 PSI Concrete, Add	*13.08*	
		For 5,000 PSI Concrete, Add	*14.91*	
		For 6,000 PSI Concrete, Add	*35.32*	
		For White Cement Concrete, Add	*15.70*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*17.01*	
		For High Early Strength, Type 3 ASTM C150, Add	*13.08*	
		For Lightweight Aggregate, ASTM C330, Add	*39.24*	
		For Up To 20, Add	*10.48*	
		For >20 To 50, Add	*3.93*	
		For >100 To 200, Deduct	*-3.14*	
		For >200 To 400, Deduct	*-6.28*	
		For >400, Deduct	*-9.42*	

03 31 13 00-0061 Place Concrete Columns *(03 31 13 00-0052)*

03 31 13 00-0062	CY	12" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	300.04	
		For 2,000 PSI Concrete, Deduct	*-6.52*	
		For 2,500 PSI Concrete, Deduct	*-3.26*	
		For 3,500 PSI Concrete, Add	*6.04*	
		For 3,750 PSI Concrete, Add	*8.21*	
		For 4,000 PSI Concrete, Add	*10.38*	
		For 4,500 PSI Concrete, Add	*12.08*	
		For 5,000 PSI Concrete, Add	*13.77*	
		For 6,000 PSI Concrete, Add	*32.60*	
		For White Cement Concrete, Add	*14.49*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*15.70*	
		For High Early Strength, Type 3 ASTM C150, Add	*12.08*	
		For Lightweight Aggregate, ASTM C330, Add	*36.23*	
		For Up To 20, Add	*71.72*	
		For >20 To 50, Add	*26.89*	
		For >100 To 200, Deduct	*-6.00*	
		For >200 To 400, Deduct	*-12.00*	
		For >400, Deduct	*-18.00*	
03 31 13 00-0063	CY	18" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	251.07	
		For 2,000 PSI Concrete, Deduct	*-6.52*	
		For 2,500 PSI Concrete, Deduct	*-3.26*	
		For 3,500 PSI Concrete, Add	*6.04*	
		For 3,750 PSI Concrete, Add	*8.21*	
		For 4,000 PSI Concrete, Add	*10.38*	
		For 4,500 PSI Concrete, Add	*12.08*	
		For 5,000 PSI Concrete, Add	*13.77*	
		For 6,000 PSI Concrete, Add	*32.60*	
		For White Cement Concrete, Add	*14.49*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*15.70*	
		For High Early Strength, Type 3 ASTM C150, Add	*12.08*	
		For Lightweight Aggregate, ASTM C330, Add	*36.23*	
		For Up To 20, Add	*52.13*	
		For >20 To 50, Add	*19.55*	
		For >100 To 200, Deduct	*-5.02*	
		For >200 To 400, Deduct	*-10.04*	
		For >400, Deduct	*-15.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0064	CY	24" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	216.04	
		For 2,000 PSI Concrete, Deduct	*-6.52*	
		For 2,500 PSI Concrete, Deduct	*-3.26*	
		For 3,500 PSI Concrete, Add	*6.04*	
		For 3,750 PSI Concrete, Add	*8.21*	
		For 4,000 PSI Concrete, Add	*10.38*	
		For 4,500 PSI Concrete, Add	*12.08*	
		For 5,000 PSI Concrete, Add	*13.77*	
		For 6,000 PSI Concrete, Add	*32.60*	
		For White Cement Concrete, Add	*14.49*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*15.70*	
		For High Early Strength, Type 3 ASTM C150, Add	*12.08*	
		For Lightweight Aggregate, ASTM C330, Add	*36.23*	
		For Up To 20, Add	*38.12*	
		For >20 To 50, Add	*14.29*	
		For >100 To 200, Deduct	*-4.32*	
		For >200 To 400, Deduct	*-8.64*	
		For >400, Deduct	*-12.96*	
03 31 13 00-0065	CY	36" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	200.43	
		For 2,000 PSI Concrete, Deduct	*-6.52*	
		For 2,500 PSI Concrete, Deduct	*-3.26*	
		For 3,500 PSI Concrete, Add	*6.04*	
		For 3,750 PSI Concrete, Add	*8.21*	
		For 4,000 PSI Concrete, Add	*10.38*	
		For 4,500 PSI Concrete, Add	*12.08*	
		For 5,000 PSI Concrete, Add	*13.77*	
		For 6,000 PSI Concrete, Add	*32.60*	
		For White Cement Concrete, Add	*14.49*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*15.70*	
		For High Early Strength, Type 3 ASTM C150, Add	*12.08*	
		For Lightweight Aggregate, ASTM C330, Add	*36.23*	
		For Up To 20, Add	*31.87*	
		For >20 To 50, Add	*11.95*	
		For >100 To 200, Deduct	*-4.01*	
		For >200 To 400, Deduct	*-8.02*	
		For >400, Deduct	*-12.03*	
03 31 13 00-0066	CY	12" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns Note: Excludes pumping equipment.	210.02	
		For 2,000 PSI Concrete, Deduct	*-7.06*	
		For 2,500 PSI Concrete, Deduct	*-3.53*	
		For 3,500 PSI Concrete, Add	*6.54*	
		For 3,750 PSI Concrete, Add	*8.90*	
		For 4,000 PSI Concrete, Add	*11.25*	
		For 4,500 PSI Concrete, Add	*13.08*	
		For 5,000 PSI Concrete, Add	*14.91*	
		For 6,000 PSI Concrete, Add	*35.32*	
		For White Cement Concrete, Add	*15.70*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*17.01*	
		For High Early Strength, Type 3 ASTM C150, Add	*13.08*	
		For Lightweight Aggregate, ASTM C330, Add	*39.24*	
		For Up To 20, Add	*31.68*	
		For >20 To 50, Add	*11.88*	
		For >100 To 200, Deduct	*-4.20*	
		For >200 To 400, Deduct	*-8.40*	
		For >400, Deduct	*-12.60*	
03 31 13 00-0067	CY	18" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns Note: Excludes pumping equipment.	188.39	
		For 2,000 PSI Concrete, Deduct	*-7.06*	
		For 2,500 PSI Concrete, Deduct	*-3.53*	
		For 3,500 PSI Concrete, Add	*6.54*	
		For 3,750 PSI Concrete, Add	*8.90*	
		For 4,000 PSI Concrete, Add	*11.25*	
		For 4,500 PSI Concrete, Add	*13.08*	
		For 5,000 PSI Concrete, Add	*14.91*	
		For 6,000 PSI Concrete, Add	*35.32*	
		For White Cement Concrete, Add	*15.70*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*17.01*	
		For High Early Strength, Type 3 ASTM C150, Add	*13.08*	
		For Lightweight Aggregate, ASTM C330, Add	*39.24*	
		For Up To 20, Add	*23.03*	
		For >20 To 50, Add	*8.64*	
		For >100 To 200, Deduct	*-3.77*	
		For >200 To 400, Deduct	*-7.54*	
		For >400, Deduct	*-11.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0068	CY	24" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	172.91	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-7.06*	
		For 2,500 PSI Concrete, Deduct	*-3.53*	
		For 3,500 PSI Concrete, Add	*6.54*	
		For 3,750 PSI Concrete, Add	*8.90*	
		For 4,000 PSI Concrete, Add	*11.25*	
		For 4,500 PSI Concrete, Add	*13.08*	
		For 5,000 PSI Concrete, Add	*14.91*	
		For 6,000 PSI Concrete, Add	*35.32*	
		For White Cement Concrete, Add	*15.70*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*17.01*	
		For High Early Strength, Type 3 ASTM C150, Add	*13.08*	
		For Lightweight Aggregate, ASTM C330, Add	*39.24*	
		For Up To 20, Add	*16.84*	
		For >20 To 50, Add	*6.32*	
		For >100 To 200, Deduct	*-3.46*	
		For >200 To 400, Deduct	*-6.92*	
		For >400, Deduct	*-10.37*	
03 31 13 00-0069	CY	36" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	166.01	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-7.06*	
		For 2,500 PSI Concrete, Deduct	*-3.53*	
		For 3,500 PSI Concrete, Add	*6.54*	
		For 3,750 PSI Concrete, Add	*8.90*	
		For 4,000 PSI Concrete, Add	*11.25*	
		For 4,500 PSI Concrete, Add	*13.08*	
		For 5,000 PSI Concrete, Add	*14.91*	
		For 6,000 PSI Concrete, Add	*35.32*	
		For White Cement Concrete, Add	*15.70*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*17.01*	
		For High Early Strength, Type 3 ASTM C150, Add	*13.08*	
		For Lightweight Aggregate, ASTM C330, Add	*39.24*	
		For Up To 20, Add	*14.08*	
		For >20 To 50, Add	*5.28*	
		For >100 To 200, Deduct	*-3.32*	
		For >200 To 400, Deduct	*-6.64*	
		For >400, Deduct	*-9.96*	

03 31 13 00-0070 Place Concrete Walls *(03 31 13 00-0052)*

03 31 13 00-0071	CY	8" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls	288.84	
		For 2,000 PSI Concrete, Deduct	*-6.52*	
		For 2,500 PSI Concrete, Deduct	*-3.26*	
		For 3,500 PSI Concrete, Add	*6.04*	
		For 3,750 PSI Concrete, Add	*8.21*	
		For 4,000 PSI Concrete, Add	*10.38*	
		For 4,500 PSI Concrete, Add	*12.08*	
		For 5,000 PSI Concrete, Add	*13.77*	
		For 6,000 PSI Concrete, Add	*32.60*	
		For White Cement Concrete, Add	*14.49*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*15.70*	
		For High Early Strength, Type 3 ASTM C150, Add	*12.08*	
		For Lightweight Aggregate, ASTM C330, Add	*36.23*	
		For Up To 20, Add	*67.24*	
		For >20 To 50, Add	*25.21*	
		For >100 To 200, Deduct	*-5.78*	
		For >200 To 400, Deduct	*-11.55*	
		For >400, Deduct	*-17.33*	
03 31 13 00-0072	CY	12" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls	274.90	
		For 2,000 PSI Concrete, Deduct	*-6.52*	
		For 2,500 PSI Concrete, Deduct	*-3.26*	
		For 3,500 PSI Concrete, Add	*6.04*	
		For 3,750 PSI Concrete, Add	*8.21*	
		For 4,000 PSI Concrete, Add	*10.38*	
		For 4,500 PSI Concrete, Add	*12.08*	
		For 5,000 PSI Concrete, Add	*13.77*	
		For 6,000 PSI Concrete, Add	*32.60*	
		For White Cement Concrete, Add	*14.49*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*15.70*	
		For High Early Strength, Type 3 ASTM C150, Add	*12.08*	
		For Lightweight Aggregate, ASTM C330, Add	*36.23*	
		For Up To 20, Add	*61.66*	
		For >20 To 50, Add	*23.12*	
		For >100 To 200, Deduct	*-5.50*	
		For >200 To 400, Deduct	*-11.00*	
		For >400, Deduct	*-16.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0073	CY	15" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls	238.41	
		For 2,000 PSI Concrete, Deduct	*-6.52*	
		For 2,500 PSI Concrete, Deduct	*-3.26*	
		For 3,500 PSI Concrete, Add	*6.04*	
		For 3,750 PSI Concrete, Add	*8.21*	
		For 4,000 PSI Concrete, Add	*10.38*	
		For 4,500 PSI Concrete, Add	*12.08*	
		For 5,000 PSI Concrete, Add	*13.77*	
		For 6,000 PSI Concrete, Add	*32.60*	
		For White Cement Concrete, Add	*14.49*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*15.70*	
		For High Early Strength, Type 3 ASTM C150, Add	*12.08*	
		For Lightweight Aggregate, ASTM C330, Add	*36.23*	
		For Up To 20, Add	*47.06*	
		For >20 To 50, Add	*17.65*	
		For >100 To 200, Deduct	*-4.77*	
		For >200 To 400, Deduct	*-9.54*	
		For >400, Deduct	*-14.30*	
03 31 13 00-0074	CY	8" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	198.72	
		For 2,000 PSI Concrete, Deduct	*-6.52*	
		For 2,500 PSI Concrete, Deduct	*-3.26*	
		For 3,500 PSI Concrete, Add	*6.04*	
		For 3,750 PSI Concrete, Add	*8.21*	
		For 4,000 PSI Concrete, Add	*10.38*	
		For 4,500 PSI Concrete, Add	*12.08*	
		For 5,000 PSI Concrete, Add	*13.77*	
		For 6,000 PSI Concrete, Add	*32.60*	
		For White Cement Concrete, Add	*14.49*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*15.70*	
		For High Early Strength, Type 3 ASTM C150, Add	*12.08*	
		For Lightweight Aggregate, ASTM C330, Add	*36.23*	
		For Up To 20, Add	*31.19*	
		For >20 To 50, Add	*11.70*	
		For >100 To 200, Deduct	*-3.97*	
		For >200 To 400, Deduct	*-7.95*	
		For >400, Deduct	*-11.92*	
03 31 13 00-0075	CY	12" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	183.13	
		For 2,000 PSI Concrete, Deduct	*-6.52*	
		For 2,500 PSI Concrete, Deduct	*-3.26*	
		For 3,500 PSI Concrete, Add	*6.04*	
		For 3,750 PSI Concrete, Add	*8.21*	
		For 4,000 PSI Concrete, Add	*10.38*	
		For 4,500 PSI Concrete, Add	*12.08*	
		For 5,000 PSI Concrete, Add	*13.77*	
		For 6,000 PSI Concrete, Add	*32.60*	
		For White Cement Concrete, Add	*14.49*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*15.70*	
		For High Early Strength, Type 3 ASTM C150, Add	*12.08*	
		For Lightweight Aggregate, ASTM C330, Add	*36.23*	
		For Up To 20, Add	*24.95*	
		For >20 To 50, Add	*9.36*	
		For >100 To 200, Deduct	*-3.66*	
		For >200 To 400, Deduct	*-7.33*	
		For >400, Deduct	*-10.99*	
03 31 13 00-0076	CY	15" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	175.33	
		For 2,000 PSI Concrete, Deduct	*-6.52*	
		For 2,500 PSI Concrete, Deduct	*-3.26*	
		For 3,500 PSI Concrete, Add	*6.04*	
		For 3,750 PSI Concrete, Add	*8.21*	
		For 4,000 PSI Concrete, Add	*10.38*	
		For 4,500 PSI Concrete, Add	*12.08*	
		For 5,000 PSI Concrete, Add	*13.77*	
		For 6,000 PSI Concrete, Add	*32.60*	
		For White Cement Concrete, Add	*14.49*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*15.70*	
		For High Early Strength, Type 3 ASTM C150, Add	*12.08*	
		For Lightweight Aggregate, ASTM C330, Add	*36.23*	
		For Up To 20, Add	*21.83*	
		For >20 To 50, Add	*8.19*	
		For >100 To 200, Deduct	*-3.51*	
		For >200 To 400, Deduct	*-7.01*	
		For >400, Deduct	*-10.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0077	CY	8" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls	205.07	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-7.06*	
		For 2,500 PSI Concrete, Deduct	*-3.53*	
		For 3,500 PSI Concrete, Add	*6.54*	
		For 3,750 PSI Concrete, Add	*8.90*	
		For 4,000 PSI Concrete, Add	*11.25*	
		For 4,500 PSI Concrete, Add	*13.08*	
		For 5,000 PSI Concrete, Add	*14.91*	
		For 6,000 PSI Concrete, Add	*35.32*	
		For White Cement Concrete, Add	*15.70*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*17.01*	
		For High Early Strength, Type 3 ASTM C150, Add	*13.08*	
		For Lightweight Aggregate, ASTM C330, Add	*39.24*	
		For Up To 20, Add	*29.70*	
		For >20 To 50, Add	*11.14*	
		For >100 To 200, Deduct	*-4.10*	
		For >200 To 400, Deduct	*-8.20*	
		For >400, Deduct	*-12.30*	
03 31 13 00-0078	CY	12" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls	190.22	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-7.06*	
		For 2,500 PSI Concrete, Deduct	*-3.53*	
		For 3,500 PSI Concrete, Add	*6.54*	
		For 3,750 PSI Concrete, Add	*8.90*	
		For 4,000 PSI Concrete, Add	*11.25*	
		For 4,500 PSI Concrete, Add	*13.08*	
		For 5,000 PSI Concrete, Add	*14.91*	
		For 6,000 PSI Concrete, Add	*35.32*	
		For White Cement Concrete, Add	*15.70*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*17.01*	
		For High Early Strength, Type 3 ASTM C150, Add	*13.08*	
		For Lightweight Aggregate, ASTM C330, Add	*39.24*	
		For Up To 20, Add	*23.76*	
		For >20 To 50, Add	*8.91*	
		For >100 To 200, Deduct	*-3.80*	
		For >200 To 400, Deduct	*-7.61*	
		For >400, Deduct	*-11.41*	
03 31 13 00-0079	CY	15" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls	182.79	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-7.06*	
		For 2,500 PSI Concrete, Deduct	*-3.53*	
		For 3,500 PSI Concrete, Add	*6.54*	
		For 3,750 PSI Concrete, Add	*8.90*	
		For 4,000 PSI Concrete, Add	*11.25*	
		For 4,500 PSI Concrete, Add	*13.08*	
		For 5,000 PSI Concrete, Add	*14.91*	
		For 6,000 PSI Concrete, Add	*35.32*	
		For White Cement Concrete, Add	*15.70*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*17.01*	
		For High Early Strength, Type 3 ASTM C150, Add	*13.08*	
		For Lightweight Aggregate, ASTM C330, Add	*39.24*	
		For Up To 20, Add	*20.79*	
		For >20 To 50, Add	*7.80*	
		For >100 To 200, Deduct	*-3.66*	
		For >200 To 400, Deduct	*-7.31*	
		For >400, Deduct	*-10.97*	

03 31 13 00-0080 Place Elevated Concrete Stairs *(03 31 13 00-0052)*

03 31 13 00-0081	CY	Crane And Bucket, Place 3,000 PSI Elevated Concrete Stairs	460.56	
		For 2,000 PSI Concrete, Deduct	*-6.52*	
		For 2,500 PSI Concrete, Deduct	*-3.26*	
		For 3,500 PSI Concrete, Add	*6.04*	
		For 3,750 PSI Concrete, Add	*8.21*	
		For 4,000 PSI Concrete, Add	*10.38*	
		For 4,500 PSI Concrete, Add	*12.08*	
		For 5,000 PSI Concrete, Add	*13.77*	
		For 6,000 PSI Concrete, Add	*32.60*	
		For White Cement Concrete, Add	*14.49*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*15.70*	
		For High Early Strength, Type 3 ASTM C150, Add	*12.08*	
		For Lightweight Aggregate, ASTM C330, Add	*36.23*	
		For Up To 20, Add	*135.92*	
		For >20 To 50, Add	*50.97*	
		For >100 To 200, Deduct	*-9.21*	
		For >200 To 400, Deduct	*-18.42*	
		For >400, Deduct	*-27.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0082	CY	Direct Chute, Place 3,000 PSI Elevated Concrete Stairs	278.38	
		For 2,000 PSI Concrete, Deduct	*-6.52*	
		For 2,500 PSI Concrete, Deduct	*-3.26*	
		For 3,500 PSI Concrete, Add	*6.04*	
		For 3,750 PSI Concrete, Add	*8.21*	
		For 4,000 PSI Concrete, Add	*10.38*	
		For 4,500 PSI Concrete, Add	*12.08*	
		For 5,000 PSI Concrete, Add	*13.77*	
		For 6,000 PSI Concrete, Add	*32.60*	
		For White Cement Concrete, Add	*14.49*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*15.70*	
		For High Early Strength, Type 3 ASTM C150, Add	*12.08*	
		For Lightweight Aggregate, ASTM C330, Add	*36.23*	
		For Up To 20, Add	*63.05*	
		For >20 To 50, Add	*23.64*	
		For >100 To 200, Deduct	*-5.57*	
		For >200 To 400, Deduct	*-11.14*	
		For >400, Deduct	*-16.70*	
03 31 13 00-0083	CY	Concrete Pump, Place 3,000 PSI Elevated Concrete Stairs Note: Excludes pumping equipment.	262.17	
		For 2,000 PSI Concrete, Deduct	*-7.06*	
		For 2,500 PSI Concrete, Deduct	*-3.53*	
		For 3,500 PSI Concrete, Add	*6.54*	
		For 3,750 PSI Concrete, Add	*8.90*	
		For 4,000 PSI Concrete, Add	*11.25*	
		For 4,500 PSI Concrete, Add	*13.08*	
		For 5,000 PSI Concrete, Add	*14.91*	
		For 6,000 PSI Concrete, Add	*35.32*	
		For White Cement Concrete, Add	*15.70*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*17.01*	
		For High Early Strength, Type 3 ASTM C150, Add	*13.08*	
		For Lightweight Aggregate, ASTM C330, Add	*39.24*	
		For Up To 20, Add	*52.54*	
		For >20 To 50, Add	*19.70*	
		For >100 To 200, Deduct	*-5.24*	
		For >200 To 400, Deduct	*-10.49*	
		For >400, Deduct	*-15.73*	

03 31 13 00-0084 Place Concrete Coping *(03 31 13 00-0052)*

03 31 13 00-0085	CY	Crane And Bucket, Place 3,000 PSI Concrete Coping	472.30	
		For 2,000 PSI Concrete, Deduct	*-6.52*	
		For 2,500 PSI Concrete, Deduct	*-3.26*	
		For 3,500 PSI Concrete, Add	*6.04*	
		For 3,750 PSI Concrete, Add	*8.21*	
		For 4,000 PSI Concrete, Add	*10.38*	
		For 4,500 PSI Concrete, Add	*12.08*	
		For 5,000 PSI Concrete, Add	*13.77*	
		For 6,000 PSI Concrete, Add	*32.60*	
		For White Cement Concrete, Add	*14.49*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*15.70*	
		For High Early Strength, Type 3 ASTM C150, Add	*12.08*	
		For Lightweight Aggregate, ASTM C330, Add	*36.23*	
		For Up To 20, Add	*140.62*	
		For >20 To 50, Add	*52.73*	
		For >100 To 200, Deduct	*-9.45*	
		For >200 To 400, Deduct	*-18.89*	
		For >400, Deduct	*-28.34*	
03 31 13 00-0086	CY	Direct Chute, Place 3,000 PSI Concrete Coping	277.32	
		For 2,000 PSI Concrete, Deduct	*-6.52*	
		For 2,500 PSI Concrete, Deduct	*-3.26*	
		For 3,500 PSI Concrete, Add	*6.04*	
		For 3,750 PSI Concrete, Add	*8.21*	
		For 4,000 PSI Concrete, Add	*10.38*	
		For 4,500 PSI Concrete, Add	*12.08*	
		For 5,000 PSI Concrete, Add	*13.77*	
		For 6,000 PSI Concrete, Add	*32.60*	
		For White Cement Concrete, Add	*14.49*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*15.70*	
		For High Early Strength, Type 3 ASTM C150, Add	*12.08*	
		For Lightweight Aggregate, ASTM C330, Add	*36.23*	
		For Up To 20, Add	*62.63*	
		For >20 To 50, Add	*23.49*	
		For >100 To 200, Deduct	*-5.55*	
		For >200 To 400, Deduct	*-11.09*	
		For >400, Deduct	*-16.64*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0087	CY	Concrete Pump, Place 3,000 PSI Concrete Coping Note: Excludes pumping equipment.	367.97	
		For 2,000 PSI Concrete, Deduct	*-7.06*	
		For 2,500 PSI Concrete, Deduct	*-3.53*	
		For 3,500 PSI Concrete, Add	*6.54*	
		For 3,750 PSI Concrete, Add	*8.90*	
		For 4,000 PSI Concrete, Add	*11.25*	
		For 4,500 PSI Concrete, Add	*13.08*	
		For 5,000 PSI Concrete, Add	*14.91*	
		For 6,000 PSI Concrete, Add	*35.32*	
		For White Cement Concrete, Add	*15.70*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*17.01*	
		For High Early Strength, Type 3 ASTM C150, Add	*13.08*	
		For Lightweight Aggregate, ASTM C330, Add	*39.24*	
		For Up To 20, Add	*94.86*	
		For >20 To 50, Add	*35.57*	
		For >100 To 200, Deduct	*-7.36*	
		For >200 To 400, Deduct	*-14.72*	
		For >400, Deduct	*-22.08*	

03 31 13 00-0088 Concrete Pumping With Boom Truck *(03 31 13 00-0010)*

Note: Includes truck rental, operator, and local travel delivery. For delivery/set-up of equipment add one hour, for clean-up of equipment add one hour. Use four hours as the minimum cost including set-up and clean-up. Excludes concrete, use "Concrete Pump" concrete tasks from appropriate section to place into pump hopper and place concrete. Sizes are measured at a 30 degree vertical reach.

03 31 13 00-0089	HR	55' To 60' Boom Truck For Concrete Placement (95 CY Per Hour Rating)	149.71
03 31 13 00-0090	HR	70' To 80' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	163.89
03 31 13 00-0091	HR	90' To 100' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	198.66
03 31 13 00-0092	HR	105' To 115' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	232.28
03 31 13 00-0093	HR	120' To 130' Boom Truck For Concrete Placement (170 CY Per Hour Rating)	281.80
03 31 13 00-0094	HR	135' To 140' Boom Truck For Concrete Placement (170 CY Per Hour Rating)	254.07
03 31 13 00-0095	HR	148' To 155' Boom Truck For Concrete Placement (170 CY Per Hour Rating)	369.73
03 31 13 00-0096	HR	170' To 175' Boom Truck For Concrete Placement (182 CY Per Hour Rating)	452.25
03 31 13 00-0097	HR	35 CY/HR, 66 HP Trailer Mounted Concrete Pump Note: Includes hoses	119.50

03 31 13 00-0098 Concrete Carts *(03 31 13 00-0010)*

Note: Used to place concrete were necessary.

03 31 13 00-0099	CY	50' Haul, Non Motorized, Concrete Buggy	19.13
03 31 13 00-0100	CY	150' Haul, Non Motorized, Concrete Buggy	25.61
03 31 13 00-0101	CY	250' Haul, Non Motorized, Concrete Buggy	34.16
03 31 13 00-0102	CY	50' Haul, Motorized, Concrete Buggy	9.41
03 31 13 00-0103	CY	150' Haul, Motorized, Concrete Buggy	12.61
03 31 13 00-0104	CY	250' Haul, Motorized, Concrete Buggy	16.80

03 31 13 00-0105 Delivery Fee For Small Purchases *(03 31 13)*

03 31 13 00-0106	CY	Delivery Fee For Concrete Purchases Per CY For Each CY Less Than 9 CY Note: The task quantity is 9 minus the number of CY's delivered. For example, the delivery fee for 2CY's is: (9-2) = 7.	16.56

03 31 13 00-0107 Equipment Pads *(03 31 13)*

03 31 13 00-0108 Small Concrete Equipment Housekeeping Pad Assemblies *(03 31 13 00-0107)*

Note: Includes forms, hand mix concrete, finish, curing and reinforcing. For up to 50 SF per pad and up to 5 pads per project.

03 31 13 00-0109	SF	4" Equipment Pad With Welded Wire Reinforcement	13.49
03 31 13 00-0110	SF	4" Equipment Pad With Rebar	16.60
03 31 13 00-0111	SF	6" Equipment Pad With Rebar	20.95
03 31 13 00-0112	SF	8" Equipment Pad With Rebar	26.37

03 31 13 00-0113 Delivery Fee For Concrete, Per Truck Load *(03 31 13)*

03 31 13 00-0114	EA	Concrete Delivery Fee, Per Truck Note: To be added to all concrete leaving concrete yard	40.00

03 35 Concrete Finishing *(03 30)*

03 35 16 Heavy-Duty Concrete Floor Finishing *(03 35)*

03 35 16 00-0001 Floor Finishes *(03 35 16)*

Note: Task is for final finish type and includes all required prior finishes.

03 35 16 00-0002	SF	Concrete Floor Finishes, Screed	0.73
		For Up To 50 SF, Add	*2.92*
		For >50 To 250, Add	*0.73*
		For >2,500 To 7,500, Deduct	*-0.07*
		For >7,500 To 10,000 SF, Deduct	*-0.15*
		For >10,000 SF, Deduct	*-0.18*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 16 00-0003	SF	Concrete Floor Finishes, Darby	0.88	
		For Up To 50 SF, Add	*3.52*	
		For >50 To 250, Add	*0.88*	
		For >2,500 To 7,500, Deduct	*-0.09*	
		For >7,500 To 10,000 SF, Deduct	*-0.18*	
		For >10,000 SF, Deduct	*-0.22*	
03 35 16 00-0004	SF	Concrete Floor Finishes, Broom	0.97	
		For Up To 50 SF, Add	*3.88*	
		For >50 To 250, Add	*0.97*	
		For >2,500 To 7,500, Deduct	*-0.10*	
		For >7,500 To 10,000 SF, Deduct	*-0.19*	
		For >10,000 SF, Deduct	*-0.24*	
03 35 16 00-0005	SF	Concrete Floor Finishes, Final Float	1.13	
		For Up To 50 SF, Add	*4.52*	
		For >50 To 250, Add	*1.13*	
		For >2,500 To 7,500, Deduct	*-0.11*	
		For >7,500 To 10,000 SF, Deduct	*-0.23*	
		For >10,000 SF, Deduct	*-0.28*	
03 35 16 00-0006	SF	Concrete Floor Finishes, Steel Trowel	1.28	
		For Up To 50 SF, Add	*5.12*	
		For >50 To 250, Add	*1.28*	
		For >2,500 To 7,500, Deduct	*-0.13*	
		For >7,500 To 10,000 SF, Deduct	*-0.26*	
		For >10,000 SF, Deduct	*-0.32*	
03 35 16 00-0007	SF	Concrete Floor Finishes, Machine	1.13	
		For Up To 50 SF, Add	*4.52*	
		For >50 To 250, Add	*1.13*	
		For >2,500 To 7,500, Deduct	*-0.11*	
		For >7,500 To 10,000 SF, Deduct	*-0.23*	
		For >10,000 SF, Deduct	*-0.28*	

03 35 23 Exposed Aggregate Concrete Finishing *(03 35)*

03 35 23 00-0001 Exposed Aggregate Concrete Finish *(03 35 23)*

03 35 23 00-0002	SF	Exposed Aggregate Concrete Floor Finish	2.51

03 35 23 00-0003 Sand Blast Concrete Finish *(03 35 23)*

03 35 23 00-0004	SF	Up To 1/4" Aggregate Reveal, Sand Blast Concrete Finish	2.52
03 35 23 00-0005	SF	>1/4" To 1/2" Aggregate Reveal, Sand Blast Concrete Finish	5.05

03 35 26 Grooved Concrete Surface Finishing *(03 35)*

03 35 26 00-0001 Ramp, Grooved Concrete Surface Finishing *(03 35 26)*

03 35 26 00-0002	SF	Ramp, Grooved Concrete Surface Finishing	3.14

03 35 29 Tooled Concrete Finishing *(03 35)*

03 35 29 00-0001 Solid Board Concrete Finish *(03 35 29)*

03 35 29 00-0002	SF	Solid Board Concrete, Non Uniform Finish, 1 Use, Add To Formwork	11.53

03 35 29 00-0003 Marblecrete Finishes *(03 35 29)*

03 35 29 00-0004	SF	2" Thick Marblecrete And Finish	29.24
03 35 29 00-0005	SF	4" Thick Marblecrete And Finish	39.20

03 35 33 Stamped Concrete Finishing *(03 35)*

03 35 33 00-0001 Stamped Finishes *(03 35 33)*

03 35 33 00-0002	SF	Up To 2,500 SF Stamped Finish	2.89
03 35 33 00-0003	SF	>2,500 To 10,000 SF Stamped Finish	2.62
03 35 33 00-0004	SF	>10,000 SF Stamped Finish	2.50

03 35 39 Rusticated Concrete Finish *(03 35)*

03 35 39 00-0001	SF	Rusticated Concrete Finish, Beveled Edge, 1 Use, Add To Formwork	5.30
03 35 39 00-0002	SF	Rusticated Concrete Finish, Square Edge, 1 Use, Add To Formwork	6.94

03 35 43 Polished Concrete Finishing *(03 35)*

03 35 43 00-0001 Concrete Floor Polishing System *(03 35 43)*

Note: The floor polishing system below may consist of one or multiple applications of each task/step below depending on existing conditions and desired results.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 43 00-0002	SF	Mechanically Grind Concrete Floor With 40 Grit Metal Bonded Diamond Wheels	1.03	
		For Up To 500, Add	*2.00*	
		For >500 To 1,000, Add	*1.85*	
		For >1,000 To 2,500, Add	*1.23*	
		For >2,500 To 4,000, Add	*0.64*	
		For >8,000 To 15,000, Deduct	*-0.25*	
		For >15,000 To 25,000, Deduct	*-0.31*	
		For >25,000, Deduct	*-0.44*	
03 35 43 00-0003	SF	Mechanically Grind Concrete Floor With 80 Grit Metal Bonded Diamond Wheels	1.03	
		For Up To 500, Add	*2.00*	
		For >500 To 1,000, Add	*1.85*	
		For >1,000 To 2,500, Add	*1.23*	
		For >2,500 To 4,000, Add	*0.64*	
		For >8,000 To 15,000, Deduct	*-0.25*	
		For >15,000 To 25,000, Deduct	*-0.31*	
		For >25,000, Deduct	*-0.44*	
03 35 43 00-0004	SF	Mechanically Grind Concrete Floor With 100 Grit Resin Bonded Diamond Wheels	0.62	
		For Up To 500, Add	*1.20*	
		For >500 To 1,000, Add	*1.12*	
		For >1,000 To 2,500, Add	*0.74*	
		For >2,500 To 4,000, Add	*0.38*	
		For >8,000 To 15,000, Deduct	*-0.15*	
		For >15,000 To 25,000, Deduct	*-0.19*	
		For >25,000, Deduct	*-0.27*	
03 35 43 00-0005	SF	Mechanically Grind Concrete Floor With 150 Grit Metal Bonded Diamond Wheels	0.89	
		For Up To 500, Add	*1.73*	
		For >500 To 1,000, Add	*1.60*	
		For >1,000 To 2,500, Add	*1.06*	
		For >2,500 To 4,000, Add	*0.55*	
		For >8,000 To 15,000, Deduct	*-0.21*	
		For >15,000 To 25,000, Deduct	*-0.27*	
		For >25,000, Deduct	*-0.38*	
03 35 43 00-0006	SF	Mechanically Grind Concrete Floor With 200 Grit Resin Bonded Diamond Wheels	0.62	
		For Up To 500, Add	*1.20*	
		For >500 To 1,000, Add	*1.12*	
		For >1,000 To 2,500, Add	*0.74*	
		For >2,500 To 4,000, Add	*0.38*	
		For >8,000 To 15,000, Deduct	*-0.15*	
		For >15,000 To 25,000, Deduct	*-0.19*	
		For >25,000, Deduct	*-0.27*	
03 35 43 00-0007	SF	Mechanically Grind Concrete Floor With 400 Grit Resin Bonded Diamond Wheels	0.62	
		For Up To 500, Add	*1.20*	
		For >500 To 1,000, Add	*1.12*	
		For >1,000 To 2,500, Add	*0.74*	
		For >2,500 To 4,000, Add	*0.38*	
		For >8,000 To 15,000, Deduct	*-0.15*	
		For >15,000 To 25,000, Deduct	*-0.19*	
		For >25,000, Deduct	*-0.27*	
03 35 43 00-0008	SF	Mechanically Grind Concrete Floor With 800 Grit Resin Bonded Diamond Wheels	0.62	
		For Up To 500, Add	*1.20*	
		For >500 To 1,000, Add	*1.12*	
		For >1,000 To 2,500, Add	*0.74*	
		For >2,500 To 4,000, Add	*0.38*	
		For >8,000 To 15,000, Deduct	*-0.15*	
		For >15,000 To 25,000, Deduct	*-0.19*	
		For >25,000, Deduct	*-0.27*	
03 35 43 00-0009	SF	Mechanically Grind Concrete Floor With 1,500 Grit Resin Bonded Diamond Wheels	0.62	
		For Up To 500, Add	*1.20*	
		For >500 To 1,000, Add	*1.12*	
		For >1,000 To 2,500, Add	*0.74*	
		For >2,500 To 4,000, Add	*0.38*	
		For >8,000 To 15,000, Deduct	*-0.15*	
		For >15,000 To 25,000, Deduct	*-0.19*	
		For >25,000, Deduct	*-0.27*	
03 35 43 00-0010	SF	High Speed Burnish Concrete Floor With Diamond Pads	0.16	
		For Up To 500, Add	*0.31*	
		For >500 To 1,000, Add	*0.29*	
		For >1,000 To 2,500, Add	*0.19*	
		For >2,500 To 4,000, Add	*0.10*	
		For >8,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 25,000, Deduct	*-0.05*	
		For >25,000, Deduct	*-0.07*	
03 35 43 00-0011	SF	Apply One Coat Of Concrete Densifier	0.21	
		For Up To 500, Add	*0.41*	
		For >500 To 1,000, Add	*0.38*	
		For >1,000 To 2,500, Add	*0.25*	
		For >2,500 To 4,000, Add	*0.13*	
		For >8,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 25,000, Deduct	*-0.06*	
		For >25,000, Deduct	*-0.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 43 00-0012	SF	Apply Two Coats Of Concrete Densifier With Stain Protector	0.21	
		For Up To 500, Add	*0.41*	
		For >500 To 1,000, Add	*0.38*	
		For >1,000 To 2,500, Add	*0.25*	
		For >2,500 To 4,000, Add	*0.13*	
		For >8,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 25,000, Deduct	*-0.06*	
		For >25,000, Deduct	*-0.09*	
03 35 43 00-0013	SF	Concrete Floor Polishing Final Clean Up	0.11	
		For Up To 500, Add	*0.21*	
		For >500 To 1,000, Add	*0.20*	
		For >1,000 To 2,500, Add	*0.13*	
		For >2,500 To 4,000, Add	*0.07*	
		For >8,000 To 15,000, Deduct	*-0.03*	
		For >15,000 To 25,000, Deduct	*-0.03*	
		For >25,000, Deduct	*-0.05*	

03 35 63 Slip-Resistant Floor Finishing *(03 35)*

03 35 63 00-0001 Slip-Resistant Floor Finishing *(03 35 63)*

03 35 63 00-0002	SF	Aluminum Oxide Abrasive Floor Finish, 0.25 LB/SF	0.87	
		For Up To 50 SF, Add	*2.80*	
		For >50 To 250, Add	*0.70*	
		For >2,500 To 7,500, Deduct	*-0.07*	
		For >7,500 To 10,000 SF, Deduct	*-0.14*	
		For >10,000 SF, Deduct	*-0.18*	
03 35 63 00-0003	SF	Silicone Carbide Abrasive Floor Finish 0.25 LB/SF	0.95	
		For Up To 50 SF, Add	*2.80*	
		For >50 To 250, Add	*0.70*	
		For >2,500 To 7,500, Deduct	*-0.07*	
		For >7,500 To 10,000 SF, Deduct	*-0.14*	
		For >10,000 SF, Deduct	*-0.18*	

03 35 66 Acid Etch Floor Finishing *(03 35)*

03 35 66 00-0001 Acid Etch Floor *(03 35 66)*

03 35 66 00-0002	SF	Concrete Floor Finishes, Etch With Acid And Rinse	0.72	
		For Up To 50 SF, Add	*1.36*	
		For >50 To 250, Add	*0.34*	
		For >2,500 To 7,500, Deduct	*-0.03*	
		For >7,500 To 10,000 SF, Deduct	*-0.07*	
		For >10,000 SF, Deduct	*-0.09*	

03 35 83 Wall Finishes *(03 35)*

03 35 83 00-0001	SF	Wall Finishes, Burlap Rub With Grout	1.29	
		For Up To 50 SF, Add	*4.88*	
		For >50 To 250, Add	*1.22*	
		For >2,500 To 7,500, Deduct	*-0.12*	
		For >7,500 To 10,000 SF, Deduct	*-0.24*	
		For >10,000 SF, Deduct	*-0.31*	
03 35 83 00-0002	SF	Wall Finishes, 1/16" Float Finish	1.94	
		For Up To 50 SF, Add	*7.36*	
		For >50 To 250, Add	*1.84*	
		For >2,500 To 7,500, Deduct	*-0.18*	
		For >7,500 To 10,000 SF, Deduct	*-0.37*	
		For >10,000 SF, Deduct	*-0.46*	
03 35 83 00-0003	SF	Wall Finishes, Etch With Acid And Rinse	0.79	
		For Up To 50 SF, Add	*1.64*	
		For >50 To 250, Add	*0.41*	
		For >2,500 To 7,500, Deduct	*-0.04*	
		For >7,500 To 10,000 SF, Deduct	*-0.08*	
		For >10,000 SF, Deduct	*-0.10*	
03 35 83 00-0004	SF	Wall Finishes, Bush Hammer Green Concrete	3.92	
		For Up To 50 SF, Add	*15.56*	
		For >50 To 250, Add	*3.89*	
		For >2,500 To 7,500, Deduct	*-0.39*	
		For >7,500 To 10,000 SF, Deduct	*-0.78*	
		For >10,000 SF, Deduct	*-0.97*	
03 35 83 00-0005	SF	Wall Finishes, Bush Hammer Cured Concrete	6.09	
		For Up To 50 SF, Add	*24.08*	
		For >50 To 250, Add	*6.02*	
		For >2,500 To 7,500, Deduct	*-0.60*	
		For >7,500 To 10,000 SF, Deduct	*-1.20*	
		For >10,000 SF, Deduct	*-1.51*	
03 35 83 00-0006	SF	Wall Finishes, Break Ties And Patch	0.75	
		For Up To 50 SF, Add	*2.64*	
		For >50 To 250, Add	*0.66*	
		For >2,500 To 7,500, Deduct	*-0.07*	
		For >7,500 To 10,000 SF, Deduct	*-0.13*	
		For >10,000 SF, Deduct	*-0.17*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 83 00-0007	SF	Wall Finishes, Carborundum Dry Rub	2.55	
		For Up To 50 SF, Add	*9.84*	
		For >50 To 250, Add	*2.46*	
		For >2,500 To 7,500, Deduct	*-0.25*	
		For >7,500 To 10,000 SF, Deduct	*-0.49*	
		For >10,000 SF, Deduct	*-0.62*	
03 35 83 00-0008	SF	Wall Finishes, Carborundum Wet Rub	3.87	
		For Up To 50 SF, Add	*15.12*	
		For >50 To 250, Add	*3.78*	
		For >2,500 To 7,500, Deduct	*-0.38*	
		For >7,500 To 10,000 SF, Deduct	*-0.76*	
		For >10,000 SF, Deduct	*-0.95*	
03 35 83 00-0009	SF	Wall Finishes, Mechanical Concrete Sand Blasting, Heavy Penetration, Walls, Various Finish Textures	8.36	
		For Up To 50 SF, Add	*31.04*	
		For >50 To 250, Add	*7.76*	
		For >2,500 To 7,500, Deduct	*-0.78*	
		For >7,500 To 10,000 SF, Deduct	*-1.55*	
		For >10,000 SF, Deduct	*-1.94*	
03 35 83 00-0010	SF	Wall Finishes, Light Sand Blast	1.87	
		Note: Not for use as sand blasting for existing material		
		For Up To 50 SF, Add	*7.12*	
		For >50 To 250, Add	*1.78*	
		For >2,500 To 7,500, Deduct	*-0.18*	
		For >7,500 To 10,000 SF, Deduct	*-0.36*	
		For >10,000 SF, Deduct	*-0.45*	

03 37 Specialty Placed Concrete *(03 30)*

Note: Includes gun finish. Not to be used for pumping concrete tasks. See CSI section 03 35 00 00-0000 for finishing.

03 37 13 Shotcrete *(03 37)*

03 37 13 00-0001 Fiber Reinforced, Structural Repair *(03 37 13)*

03 37 13 00-0002	SF	1" Thick Shotcrete, Fiber Reinforced	3.79	
		For Up To 25 SF, Add	*0.60*	
		For >25 To 50 SF, Add	*0.34*	
		For >50 To 150, Add	*0.11*	
03 37 13 00-0003	SF	2" Thick Shotcrete, Fiber Reinforced	6.98	
		For Up To 25 SF, Add	*1.05*	
		For >25 To 50 SF, Add	*0.58*	
		For >50 To 150, Add	*0.18*	
03 37 13 00-0004	SF	3" Thick Shotcrete, Fiber Reinforced	10.42	
		For Up To 25 SF, Add	*1.57*	
		For >25 To 50 SF, Add	*0.87*	
		For >50 To 150, Add	*0.26*	
03 37 13 00-0005	SF	4" Thick Shotcrete, Fiber Reinforced	13.81	
		For Up To 25 SF, Add	*2.08*	
		For >25 To 50 SF, Add	*1.16*	
		For >50 To 150, Add	*0.35*	
03 37 13 00-0006	SF	6" Thick Shotcrete, Fiber Reinforced	19.80	
		For Up To 25 SF, Add	*3.03*	
		For >25 To 50 SF, Add	*1.69*	
		For >50 To 150, Add	*0.52*	

03 37 13 00-0007 Gunite (Dry Mix Shotcrete), Sprayed *(03 37 13)*

See CSI section 03 22 11 00-0001 for wire mesh reinforcing.

03 37 13 00-0008	SF	1" Thick Gunite	3.61	
		For Radius Or Irregular Surface, Add	*0.81*	
		For Up To 25 SF, Add	*0.67*	
		For >25 To 50, Add	*0.38*	
		For >50 To 150 SF, Add	*0.15*	
03 37 13 00-0009	SF	2" Thick Gunite	7.20	
		For Radius Or Irregular Surface, Add	*1.62*	
		For Up To 25 SF, Add	*1.33*	
		For >25 To 50, Add	*0.77*	
		For >50 To 150 SF, Add	*0.30*	
03 37 13 00-0010	SF	3" Thick Gunite	10.84	
		For Radius Or Irregular Surface, Add	*2.44*	
		For Up To 25 SF, Add	*2.00*	
		For >25 To 50, Add	*1.15*	
		For >50 To 150 SF, Add	*0.46*	
03 37 13 00-0011	SF	4" Thick Gunite	14.41	
		For Radius Or Irregular Surface, Add	*3.24*	
		For Up To 25 SF, Add	*2.66*	
		For >25 To 50, Add	*1.53*	
		For >50 To 150 SF, Add	*0.61*	

03 39 Concrete Curing *(03 30)*

03 39 13 Water Concrete Curing *(03 39)*

03 39 13 00-0001 Water Concrete Curing *(03 39 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 39 13 00-0002	GAL	Water Based Curing, Sealing, Hardening And Dustproofing Compound Note: Coverage rates: rough finish = 300 SF/GAL, broom finish = 300 to 400 SF/GAL, steel troweled = 500 to 600 SF/GAL, and vertical surface = 400 - 500 SF/GAL.	18.70	

03 39 23 Membrane Concrete Curing *(03 39)*

03 39 23 23 Sheet Membrane Concrete Curing *(03 39 23)*

03 39 23 23-0001 Concrete Curing Materials And Compounds *(03 39 23 23)*

03 39 23 23-0002	CSF	7.5 Oz Burlap, Concrete Curing Blanket	29.91	
03 39 23 23-0003	CSF	9 Oz Burlap, Concrete Curing Blanket	29.68	
03 39 23 23-0004	CSF	12 Oz Burlap, Concrete Curing Blanket	32.01	
03 39 23 23-0005	CSF	2 Ply Reinforced, Concrete Curing Waterproof Paper	28.90	
03 39 23 23-0006	CSF	Curing Paper	9.47	

03 39 33 Concrete Surface Treatments *(03 39)*

03 39 33 00-0001 Concrete Surface Treatments *(03 39 33)*

03 39 33 00-0002	LB	Aluminum Oxide Anti Slip Abrasive Grit	1.46	
03 39 33 00-0003	GAL	Acrylic Latex Bonding Agent, 250 SF Per Gallon	98.09	
03 39 33 00-0004	GAL	Epoxy Resin Bonding Agent, 80 SF Per Gallon	167.20	
03 39 33 00-0005	TON	Calcium Chloride, 100 LB Bags	648.64	
03 39 33 00-0006	BAG	Calcium Chloride, 100 LB Bags	36.11	
03 39 33 00-0007	SF	Clear Acrylic Sealer, Hardener And Dustproofer Note: 300 SF/GAL.	0.23	
03 39 33 00-0008	SF	Colored Acrylic Sealer, Hardener And Dustproofer Note: 300 SF/GAL.	0.24	
03 39 33 00-0009	GAL	Clear Acrylic Sealer, Hardener And Dustproofer, 300 SF Per Gallon	67.43	
03 39 33 00-0010	GAL	Colored Acrylic Sealer, Hardener And Dustproofer, 300 SF Per Gallon	70.07	
03 39 33 00-0011	SF	Water-Based, Silane/Siloxane Water Repellent (Prosoco Inc. Saltguard WB) Note: 200 SF/GAL	0.30	

03 39 33 00-0012 Shake On Floor Hardeners *(03 39 33)*

03 39 33 00-0013	SF	0.3 LB/SF, Metallic, Shake On Floor Hardener	0.90	
03 39 33 00-0014	SF	0.65 LB/SF, Metallic, Shake On Floor Hardener	1.39	
03 39 33 00-0015	SF	0.3 LB/SF, Non Metallic, Shake On Floor Hardener	0.86	
03 39 33 00-0016	SF	0.65 LB/SF, Non Metallic, Shake On Floor Hardener	1.03	

03 40 Precast Concrete *(03)*

Note: Precast concrete material prices are based on a precast operation producing large quantities of precast products. Material prices include the concrete panel, delivery to construction site and overhead/mobilization charges for the precast plant.

03 41 Precast Structural Concrete *(03 40)*

03 41 16 Precast Concrete Slabs *(03 41)*

03 41 16 00-0001 Flat Floor Slab/Floor Plank *(03 41 16)*

03 41 16 00-0002 Erection Costs For Using A 90 Ton Crawler Crane *(03 41 16 00-0001)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 16 00-0003	EA	Erect Precast Floor Deck, 0-2 Ton/Piece 150' Maximum Radius With 90 Ton Crane	264.78	211.84
03 41 16 00-0004	EA	Erect Precast Floor Deck, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	294.34	235.43
03 41 16 00-0005	EA	Erect Precast Floor Deck, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane	312.54	250.02
03 41 16 00-0006	EA	Erect Precast Floor Deck, 4-5 Ton/Piece 88' Maximum Radius With 90 Ton Crane	331.34	265.08
03 41 16 00-0007	EA	Erect Precast Floor Deck, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane	354.59	283.66
03 41 16 00-0008	EA	Erect Precast Floor Deck, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	378.96	303.17
03 41 16 00-0009	EA	Erect Precast Floor Deck, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane	406.94	325.53
03 41 16 00-0010	EA	Erect Precast Floor Deck, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	442.58	354.04
03 41 16 00-0011	EA	Erect Precast Floor Deck, 9-10 Ton/Piece 60' Maximum Radius With 90 Ton Crane	481.22	385.03

03 41 16 00-0012 Material Cost *(03 41 16 00-0001)*

Note: Includes cost for 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations cost.

03 41 16 00-0013	SF	4" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	10.09
		For 3,500 PSI Concrete, Add	*0.20*
		For 4,000 PSI Concrete, Add	*0.30*
		For 4,500 PSI Concrete, Add	*0.40*
		For 5,000 PSI Concrete, Add	*0.61*
03 41 16 00-0014	SF	5" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	12.11
		For 3,500 PSI Concrete, Add	*0.24*
		For 4,000 PSI Concrete, Add	*0.36*
		For 4,500 PSI Concrete, Add	*0.48*
		For 5,000 PSI Concrete, Add	*0.73*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 16 00-0015	SF	6" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	14.80	
		For 3,500 PSI Concrete, Add	*0.30*	
		For 4,000 PSI Concrete, Add	*0.44*	
		For 4,500 PSI Concrete, Add	*0.59*	
		For 5,000 PSI Concrete, Add	*0.89*	
03 41 16 00-0016	SF	8" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	19.64	
		For 3,500 PSI Concrete, Add	*0.39*	
		For 4,000 PSI Concrete, Add	*0.59*	
		For 4,500 PSI Concrete, Add	*0.79*	
		For 5,000 PSI Concrete, Add	*1.18*	
03 41 16 00-0017		Floor Units, Combination Beam And Slab *(03 41 16)*		
03 41 16 00-0018		Erection Costs For Using 90 Ton Crawler Crane *(03 41 16 00-0017)*		
		Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 16 00-0019	EA	Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 88' Maximum Radius With 90 Ton Crane	327.47	261.96
03 41 16 00-0020	EA	Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 60' Maximum Radius With 90 Ton Crane	356.93	285.58
03 41 16 00-0021	EA	Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 43' Maximum Radius With 90 Ton Crane	394.49	315.56
03 41 16 00-0022	EA	Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 36' Maximum Radius With 90 Ton Crane	438.05	350.41
03 41 16 00-0023	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 31' Maximum Radius With 90 Ton Crane	492.40	393.89
03 41 16 00-0024		Erection Costs Using A 125 Ton Crawler Crane *(03 41 16 00-0017)*		
		Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 16 00-0025	EA	Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 110' Maximum Radius, 125 Ton Crane	413.05	330.47
03 41 16 00-0026	EA	Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 75' Maximum Radius, 125 Ton Crane	450.21	360.14
03 41 16 00-0027	EA	Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 55' Maximum Radius, 125 Ton Crane	497.61	398.11
03 41 16 00-0028	EA	Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 50' Maximum Radius, 125 Ton Crane	552.53	442.04
03 41 16 00-0029	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 40' Maximum Radius, 125 Ton Crane	621.09	496.92
03 41 16 00-0030	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 33' Maximum Radius, 125 Ton Crane	675.32	540.22
03 41 16 00-0031	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 30' Maximum Radius, 125 Ton Crane	746.40	597.12
03 41 16 00-0032	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 28' Maximum Radius, 125 Ton Crane	826.12	660.94
03 41 16 00-0033	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 26' Maximum Radius, 125 Ton Crane	935.06	748.04
03 41 16 00-0034		Material Cost *(03 41 16 00-0017)*		
		Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operation.		
03 41 16 00-0035		4" Slab *(03 41 16 00-0034)*		
03 41 16 00-0036	CY	Precast Combination Deck, 4" Slab With Beams Edge Beam Only, 3,000 PSI Concrete	1,062.58	
		For 3,500 PSI Concrete, Add	*21.25*	
		For 4,000 PSI Concrete, Add	*31.88*	
		For 4,500 PSI Concrete, Add	*42.50*	
		For 5,000 PSI Concrete, Add	*63.75*	
03 41 16 00-0037	CY	Precast Combination Deck, 4" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete	1,076.04	
		For 3,500 PSI Concrete, Add	*21.52*	
		For 4,000 PSI Concrete, Add	*32.28*	
		For 4,500 PSI Concrete, Add	*43.04*	
		For 5,000 PSI Concrete, Add	*64.56*	
03 41 16 00-0038	CY	Precast Combination Deck, 4" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete	1,210.54	
		For 3,500 PSI Concrete, Add	*24.21*	
		For 4,000 PSI Concrete, Add	*36.32*	
		For 4,500 PSI Concrete, Add	*48.42*	
		For 5,000 PSI Concrete, Add	*72.63*	
03 41 16 00-0039		5" Slab *(03 41 16 00-0034)*		
03 41 16 00-0040	CY	Precast Combination Deck, 5" Slab With Beams Edge Beam Only, 3,000 PSI Concrete	1,089.49	
		For 3,500 PSI Concrete, Add	*21.79*	
		For 4,000 PSI Concrete, Add	*32.68*	
		For 4,500 PSI Concrete, Add	*43.58*	
		For 5,000 PSI Concrete, Add	*65.37*	
03 41 16 00-0041	CY	Precast Combination Deck, 5" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete	1,129.84	
		For 3,500 PSI Concrete, Add	*22.60*	
		For 4,000 PSI Concrete, Add	*33.90*	
		For 4,500 PSI Concrete, Add	*45.19*	
		For 5,000 PSI Concrete, Add	*67.79*	
03 41 16 00-0042	CY	Precast Combination Deck, 5" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete	1,439.20	
		For 3,500 PSI Concrete, Add	*28.78*	
		For 4,000 PSI Concrete, Add	*43.18*	
		For 4,500 PSI Concrete, Add	*57.57*	
		For 5,000 PSI Concrete, Add	*86.35*	
03 41 16 00-0043		6" Slab *(03 41 16 00-0034)*		
03 41 16 00-0044	CY	Precast Combination Deck, 6" Slab With Beams Edge Beam Only, 3,000 PSI Concrete	1,129.84	
		For 3,500 PSI Concrete, Add	*22.60*	
		For 4,000 PSI Concrete, Add	*33.90*	
		For 4,500 PSI Concrete, Add	*45.19*	
		For 5,000 PSI Concrete, Add	*67.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 16 00-0045	CY	Precast Combination Deck, 6" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete	1,345.04	
		For 3,500 PSI Concrete, Add	*26.90*	
		For 4,000 PSI Concrete, Add	*40.35*	
		For 4,500 PSI Concrete, Add	*53.80*	
		For 5,000 PSI Concrete, Add	*80.70*	
03 41 16 00-0046	CY	Precast Combination Deck, 6" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete	1,640.95	
		For 3,500 PSI Concrete, Add	*32.82*	
		For 4,000 PSI Concrete, Add	*49.23*	
		For 4,500 PSI Concrete, Add	*65.64*	
		For 5,000 PSI Concrete, Add	*98.46*	

03 41 19 Precast Concrete Wall Panels *(03 41)*

03 41 19 00-0001 Structural Wall Panels *(03 41 19)*

Note: Gray, smooth form or board finish one side.

03 41 19 00-0002 Erection Cost Using 50 Ton Hydraulic Crane *(03 41 19 00-0001)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.

03 41 19 00-0003	EA	Erect Precast Wall Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	261.34	209.09
03 41 19 00-0004	EA	Erect Precast Wall Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	290.52	232.38
03 41 19 00-0005	EA	Erect Precast Wall Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	327.04	261.64
03 41 19 00-0006	EA	Erect Precast Wall Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	349.99	279.98
03 41 19 00-0007	EA	Erect Precast Wall Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	374.04	299.23
03 41 19 00-0008	EA	Erect Precast Wall Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane	401.66	321.31
03 41 19 00-0009	EA	Erect Precast Wall Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane	436.84	349.45
03 41 19 00-0010	EA	Erect Precast Wall Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane	474.98	380.03

03 41 19 00-0011 Erection Cost Using 90 Ton Crawler Crane *(03 41 19 00-0001)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.

03 41 19 00-0012	EA	Erect Precast Wall Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane	294.58	235.63
03 41 19 00-0013	EA	Erect Precast Wall Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	327.47	261.96
03 41 19 00-0014	EA	Erect Precast Wall Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	368.63	294.94
03 41 19 00-0015	EA	Erect Precast Wall Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	394.49	315.56
03 41 19 00-0016	EA	Erect Precast Wall Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	421.62	337.29
03 41 19 00-0017	EA	Erect Precast Wall Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	452.74	362.22
03 41 19 00-0018	EA	Erect Precast Wall Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	492.40	393.89
03 41 19 00-0019	EA	Erect Precast Wall Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	535.38	428.27
03 41 19 00-0020	EA	Erect Precast Wall Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane	591.74	473.43
03 41 19 00-0021	EA	Erect Precast Wall Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane	654.94	523.93
03 41 19 00-0022	EA	Erect Precast Wall Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane	741.31	593.07
03 41 19 00-0023	EA	Erect Precast Wall Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane	843.24	674.58
03 41 19 00-0024	EA	Erect Precast Wall Panel 35-40 Ton/Piece 23' Maximum Radius With 90 Ton Crane	977.67	782.14

03 41 19 00-0025 Material Cost *(03 41 19 00-0001)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.

03 41 19 00-0026	SF	4" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect	13.45	
		For 3,500 PSI Concrete, Add	*0.27*	
		For 4,000 PSI Concrete, Add	*0.40*	
		For 4,500 PSI Concrete, Add	*0.54*	
		For 5,000 PSI Concrete, Add	*0.81*	
		For White Facing, Add	*2.69*	
		For Solid White Through Thickness, Add	*2.69*	
		For Broken Rib Finish, Add	*1.35*	
		For Fluted Surface, Add	*1.35*	
		For Exposed Aggregate, Add	*2.69*	
		For Sandblasting Of Surface, Add	*1.35*	
		For 2" Polystyrene Insulation, Add	*1.15*	
		For 2" Polystyrene Insulation, Add	*0.15*	
03 41 19 00-0027	SF	5" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect	16.54	
		For 3,500 PSI Concrete, Add	*0.33*	
		For 4,000 PSI Concrete, Add	*0.50*	
		For 4,500 PSI Concrete, Add	*0.66*	
		For 5,000 PSI Concrete, Add	*0.99*	
		For White Facing, Add	*3.31*	
		For Solid White Through Thickness, Add	*3.31*	
		For Broken Rib Finish, Add	*1.65*	
		For Fluted Surface, Add	*1.65*	
		For Exposed Aggregate, Add	*3.31*	
		For Sandblasting Of Surface, Add	*1.65*	
		For 2" Polystyrene Insulation, Add	*1.15*	
		For 2" Polystyrene Insulation, Add	*0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0028	SF	6" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect	19.91	
		For 3,500 PSI Concrete, Add	*0.40*	
		For 4,000 PSI Concrete, Add	*0.60*	
		For 4,500 PSI Concrete, Add	*0.80*	
		For 5,000 PSI Concrete, Add	*1.19*	
		For White Facing, Add	*3.98*	
		For Solid White Through Thickness, Add	*3.98*	
		For Broken Rib Finish, Add	*1.99*	
		For Fluted Surface, Add	*1.99*	
		For Exposed Aggregate, Add	*3.98*	
		For Sandblasting Of Surface, Add	*1.99*	
		For 2" Polystyrene Insulation, Add	*1.15*	
		For 2" Polystyrene Insulation, Add	*0.23*	
03 41 19 00-0029	SF	8" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect	26.23	
		For 3,500 PSI Concrete, Add	*0.52*	
		For 4,000 PSI Concrete, Add	*0.79*	
		For 4,500 PSI Concrete, Add	*1.05*	
		For 5,000 PSI Concrete, Add	*1.57*	
		For White Facing, Add	*5.25*	
		For Solid White Through Thickness, Add	*5.25*	
		For Broken Rib Finish, Add	*2.62*	
		For Fluted Surface, Add	*2.62*	
		For Exposed Aggregate, Add	*5.25*	
		For Sandblasting Of Surface, Add	*2.62*	
		For 2" Polystyrene Insulation, Add	*1.15*	
		For 2" Polystyrene Insulation, Add	*0.30*	

03 41 19 00-0030 Partition Panels *(03 41 19)*

03 41 19 00-0031 Erection Costs Using 20 Ton Hydraulic Crane *(03 41 19 00-0030)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0032	EA	Erect Precast Partition Wall 0-1 Ton/Piece 69' Maximum Radius With 20 Ton Crane	213.63	170.88
03 41 19 00-0033	EA	Erect Precast Partition Wall 1-2 Ton/Piece 50' Maximum Radius With 20 Ton Crane	237.48	190.00
03 41 19 00-0034	EA	Erect Precast Partition Wall 2-3 Ton/Piece 41' Maximum Radius With 20 Ton Crane	267.32	213.86
03 41 19 00-0035	EA	Erect Precast Partition Wall 3-4 Ton/Piece 33' Maximum Radius With 20 Ton Crane	305.76	244.60
03 41 19 00-0036	EA	Erect Precast Partition Wall 4-5 Ton/Piece 30' Maximum Radius With 20 Ton Crane	328.33	262.69
03 41 19 00-0037	EA	Erect Precast Partition Wall 5-6 Ton/Piece 26' Maximum Radius With 20 Ton Crane	357.09	285.67
03 41 19 00-0038	EA	Erect Precast Partition Wall 6-7 Ton/Piece 23' Maximum Radius With 20 Ton Crane	388.26	310.65
03 41 19 00-0039	EA	Erect Precast Partition Wall 7-8 Ton/Piece 20' Maximum Radius With 20 Ton Crane	429.13	343.32

03 41 19 00-0040 Erection Costs Using 50 Ton Hydraulic Crane *(03 41 19 00-0030)*

Note: Includes handling, hoisting in place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.

03 41 19 00-0041	EA	Erect Precast Partition Wall 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	261.34	209.09
03 41 19 00-0042	EA	Erect Precast Partition Wall 1-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane	290.52	232.38
03 41 19 00-0043	EA	Erect Precast Partition Wall 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	327.04	261.64
03 41 19 00-0044	EA	Erect Precast Partition Wall 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane	374.04	299.23
03 41 19 00-0045	EA	Erect Precast Partition Wall 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	401.66	321.31
03 41 19 00-0046	EA	Erect Precast Partition Wall 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane	436.84	349.45
03 41 19 00-0047	EA	Erect Precast Partition Wall 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	474.98	380.03
03 41 19 00-0048	EA	Erect Precast Partition Wall 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane	524.98	419.96
03 41 19 00-0049	EA	Erect Precast Partition Wall 8-10 Ton/Piece 31' Maximum Radius With 50 Ton Crane	581.05	464.84
03 41 19 00-0050	EA	Erect Precast Partition Wall 10-12 Ton/Piece 26' Maximum Radius With 50 Ton Crane	657.66	526.10
03 41 19 00-0051	EA	Erect Precast Partition Wall 12-14 Ton/Piece 25' Maximum Radius With 50 Ton Crane	748.09	598.47
03 41 19 00-0052	EA	Erect Precast Partition Wall 14-16 Ton/Piece 21' Maximum Radius With 50 Ton Crane	867.35	693.86

03 41 19 00-0053 Material Cost *(03 41 19 00-0030)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.

03 41 19 00-0054	SF	4" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect	12.78	
		For 4,000 PSI Concrete, Add	*0.38*	
		For 4,500 PSI Concrete, Add	*0.51*	
		For 5,000 PSI Concrete, Add	*0.77*	
		For White Facing, Add	*2.56*	
		For Solid White Through Thickness, Add	*2.56*	
		For Broken Rib Finish, Add	*1.28*	
		For Fluted Surface, Add	*1.28*	
		For Exposed Aggregate, Add	*2.56*	
		For Sandblasting Of Surface, Add	*1.28*	
03 41 19 00-0055	SF	5" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect	15.74	
		For 4,000 PSI Concrete, Add	*0.47*	
		For 4,500 PSI Concrete, Add	*0.63*	
		For 5,000 PSI Concrete, Add	*0.94*	
		For White Facing, Add	*3.15*	
		For Solid White Through Thickness, Add	*3.15*	
		For Broken Rib Finish, Add	*1.57*	
		For Fluted Surface, Add	*1.57*	
		For Exposed Aggregate, Add	*3.15*	
		For Sandblasting Of Surface, Add	*1.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0056	SF	6" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect	18.83	
		For 4,000 PSI Concrete, Add	*0.56*	
		For 4,500 PSI Concrete, Add	*0.75*	
		For 5,000 PSI Concrete, Add	*1.13*	
		For White Facing, Add	*3.77*	
		For Solid White Through Thickness, Add	*3.77*	
		For Broken Rib Finish, Add	*1.88*	
		For Fluted Surface, Add	*1.88*	
		For Exposed Aggregate, Add	*3.77*	
		For Sandblasting Of Surface, Add	*1.88*	
03 41 19 00-0057	SF	8" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect	24.88	
		For 4,000 PSI Concrete, Add	*0.75*	
		For 4,500 PSI Concrete, Add	*1.00*	
		For 5,000 PSI Concrete, Add	*1.49*	
		For White Facing, Add	*4.98*	
		For Solid White Through Thickness, Add	*4.98*	
		For Broken Rib Finish, Add	*2.49*	
		For Fluted Surface, Add	*2.49*	
		For Exposed Aggregate, Add	*4.98*	
		For Sandblasting Of Surface, Add	*2.49*	

03 41 19 00-0058 Cladding Panels *(03 41 19)*

03 41 19 00-0059 Erection Costs Using 50 Ton Hydraulic Crane *(03 41 19 00-0058)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0060	EA	Erect Precast Cladding 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	275.79	220.59
03 41 19 00-0061	EA	Erect Precast Cladding 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	308.49	246.78
03 41 19 00-0062	EA	Erect Precast Cladding 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	349.99	279.98
03 41 19 00-0063	EA	Erect Precast Cladding 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	374.04	299.23
03 41 19 00-0064	EA	Erect Precast Cladding 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	401.66	321.31
03 41 19 00-0065	EA	Erect Precast Cladding 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane	436.84	349.45
03 41 19 00-0066	EA	Erect Precast Cladding 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane	474.98	380.03
03 41 19 00-0067	EA	Erect Precast Cladding 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane	524.98	419.96

03 41 19 00-0068 Erection Costs Using 90 Ton Crawler Crane *(03 41 19 00-0058)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0069	EA	Erect Precast Cladding 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane	310.87	248.66
03 41 19 00-0070	EA	Erect Precast Cladding 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	347.73	278.17
03 41 19 00-0071	EA	Erect Precast Cladding 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	394.49	315.56
03 41 19 00-0072	EA	Erect Precast Cladding 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	421.62	337.29
03 41 19 00-0073	EA	Erect Precast Cladding 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	452.74	362.22
03 41 19 00-0074	EA	Erect Precast Cladding 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	492.40	393.89
03 41 19 00-0075	EA	Erect Precast Cladding 11-13 Ton/Piece 90' Maximum Radius With 90 Ton Crane	535.38	428.27
03 41 19 00-0076	EA	Erect Precast Cladding 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	591.74	473.43
03 41 19 00-0077	EA	Erect Precast Cladding 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane	654.94	523.93
03 41 19 00-0078	EA	Erect Precast Cladding 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane	741.31	593.07
03 41 19 00-0079	EA	Erect Precast Cladding 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane	843.24	674.58
03 41 19 00-0080	EA	Erect Precast Cladding 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane	977.67	782.14

03 41 19 00-0081 Material Cost *(03 41 19 00-0058)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.

03 41 19 00-0082	SF	4" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect	12.78	
		For 3,500 PSI Concrete, Add	*0.26*	
		For 4,000 PSI Concrete, Add	*0.38*	
		For 4,500 PSI Concrete, Add	*0.51*	
		For 5,000 PSI Concrete, Add	*0.77*	
		For White Facing, Add	*2.56*	
		For Solid White Through Thickness, Add	*2.56*	
		For Broken Rib Finish, Add	*1.28*	
		For Fluted Surface, Add	*1.28*	
		For Exposed Aggregate, Add	*2.56*	
		For Sandblasting Of Surface, Add	*1.28*	
03 41 19 00-0083	SF	5" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect	15.74	
		For 3,500 PSI Concrete, Add	*0.31*	
		For 4,000 PSI Concrete, Add	*0.47*	
		For 4,500 PSI Concrete, Add	*0.63*	
		For 5,000 PSI Concrete, Add	*0.94*	
		For White Facing, Add	*3.15*	
		For Solid White Through Thickness, Add	*3.15*	
		For Broken Rib Finish, Add	*1.57*	
		For Fluted Surface, Add	*1.57*	
		For Exposed Aggregate, Add	*3.15*	
		For Sandblasting Of Surface, Add	*1.57*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0084	SF	6" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect	18.83	
		For 3,500 PSI Concrete, Add	*0.38*	
		For 4,000 PSI Concrete, Add	*0.56*	
		For 4,500 PSI Concrete, Add	*0.75*	
		For 5,000 PSI Concrete, Add	*1.13*	
		For White Facing, Add	*3.77*	
		For Solid White Through Thickness, Add	*3.77*	
		For Broken Rib Finish, Add	*1.88*	
		For Fluted Surface, Add	*1.88*	
		For Exposed Aggregate, Add	*3.77*	
		For Sandblasting Of Surface, Add	*1.88*	
03 41 19 00-0085	SF	8" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect	24.88	
		For 3,500 PSI Concrete, Add	*0.50*	
		For 4,000 PSI Concrete, Add	*0.75*	
		For 4,500 PSI Concrete, Add	*1.00*	
		For 5,000 PSI Concrete, Add	*1.49*	
		For White Facing, Add	*4.98*	
		For Solid White Through Thickness, Add	*4.98*	
		For Broken Rib Finish, Add	*2.49*	
		For Fluted Surface, Add	*2.49*	
		For Exposed Aggregate, Add	*4.98*	
		For Sandblasting Of Surface, Add	*2.49*	

03 41 19 00-0086 Sandwich Panel *(03 41 19)*

03 41 19 00-0087 Erection Costs Using 50 Ton Hydraulic Crane *(03 41 19 00-0086)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0088	EA	Erect Precast Sandwich Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	275.79	220.59
03 41 19 00-0089	EA	Erect Precast Sandwich Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	308.49	246.78
03 41 19 00-0090	EA	Erect Precast Sandwich Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	349.99	279.98
03 41 19 00-0091	EA	Erect Precast Sandwich Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	374.04	299.23
03 41 19 00-0092	EA	Erect Precast Sandwich Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	401.66	321.31
03 41 19 00-0093	EA	Erect Precast Sandwich Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane	436.84	349.45
03 41 19 00-0094	EA	Erect Precast Sandwich Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane	474.98	380.03
03 41 19 00-0095	EA	Erect Precast Sandwich Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane	524.98	419.96

03 41 19 00-0096 Erection Costs Using 90 Ton Crawler Crane *(03 41 19 00-0086)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0097	EA	Erect Precast Sandwich Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane	279.42	223.49
03 41 19 00-0098	EA	Erect Precast Sandwich Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	312.54	250.02
03 41 19 00-0099	EA	Erect Precast Sandwich Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	354.59	283.66
03 41 19 00-0100	EA	Erect Precast Sandwich Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	378.96	303.17
03 41 19 00-0101	EA	Erect Precast Sandwich Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	406.94	325.53
03 41 19 00-0102	EA	Erect Precast Sandwich Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	442.58	354.04
03 41 19 00-0103	EA	Erect Precast Sandwich Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	481.22	385.03
03 41 19 00-0104	EA	Erect Precast Sandwich Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	531.88	425.48
03 41 19 00-0105	EA	Erect Precast Sandwich Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane	588.68	470.95
03 41 19 00-0106	EA	Erect Precast Sandwich Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane	666.31	533.01
03 41 19 00-0107	EA	Erect Precast Sandwich Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane	757.92	606.33
03 41 19 00-0108	EA	Erect Precast Sandwich Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane	878.75	702.98

03 41 19 00-0109 Material Cost *(03 41 19 00-0086)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations. Sandwich panel consists of 2.5" cladding panel, 2" fiber board insulation and the structural panel as defined.

03 41 19 00-0110	SF	4" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	17.49	
		For 3,500 PSI Concrete, Add	*0.35*	
		For 4,000 PSI Concrete, Add	*0.52*	
		For 4,500 PSI Concrete, Add	*0.70*	
		For 5,000 PSI Concrete, Add	*1.05*	
		For White Facing, Add	*3.50*	
		For Solid White Through Thickness, Add	*3.50*	
		For Broken Rib Finish, Add	*1.75*	
		For Fluted Surface, Add	*1.75*	
		For Exposed Aggregate, Add	*3.50*	
		For Sandblasting Of Surface, Add	*1.75*	
03 41 19 00-0111	SF	5" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	20.58	
		For 3,500 PSI Concrete, Add	*0.41*	
		For 4,000 PSI Concrete, Add	*0.62*	
		For 4,500 PSI Concrete, Add	*0.82*	
		For 5,000 PSI Concrete, Add	*1.23*	
		For White Facing, Add	*4.12*	
		For Solid White Through Thickness, Add	*4.12*	
		For Broken Rib Finish, Add	*2.06*	
		For Fluted Surface, Add	*2.06*	
		For Exposed Aggregate, Add	*4.12*	
		For Sandblasting Of Surface, Add	*2.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0112	SF	6" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	23.94	
		For 3,500 PSI Concrete, Add	*0.48*	
		For 4,000 PSI Concrete, Add	*0.72*	
		For 4,500 PSI Concrete, Add	*0.96*	
		For 5,000 PSI Concrete, Add	*1.44*	
		For White Facing, Add	*4.79*	
		For Solid White Through Thickness, Add	*4.79*	
		For Broken Rib Finish, Add	*2.39*	
		For Fluted Surface, Add	*2.39*	
		For Exposed Aggregate, Add	*4.79*	
		For Sandblasting Of Surface, Add	*2.39*	
03 41 19 00-0113	SF	8" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	30.26	
		For 3,500 PSI Concrete, Add	*0.61*	
		For 4,000 PSI Concrete, Add	*0.91*	
		For 4,500 PSI Concrete, Add	*1.21*	
		For 5,000 PSI Concrete, Add	*1.82*	
		For White Facing, Add	*6.05*	
		For Solid White Through Thickness, Add	*6.05*	
		For Broken Rib Finish, Add	*3.03*	
		For Fluted Surface, Add	*3.03*	
		For Exposed Aggregate, Add	*6.05*	
		For Sandblasting Of Surface, Add	*3.03*	

03 41 23 Precast Concrete Stairs *(03 41)*

03 41 23 00-0001 Erection Costs Using A 50 Ton Hydraulic Crane *(03 41 23)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 23 00-0002	EA	Erect Precast Stairs, 0-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane	290.52	232.38
03 41 23 00-0003	EA	Erect Precast Stairs, 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	308.49	246.78
03 41 23 00-0004	EA	Erect Precast Stairs, 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane	327.04	261.64
03 41 23 00-0005	EA	Erect Precast Stairs, 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	349.99	279.98
03 41 23 00-0006	EA	Erect Precast Stairs, 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane	374.04	299.23
03 41 23 00-0007	EA	Erect Precast Stairs, 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	401.66	321.31
03 41 23 00-0008	EA	Erect Precast Stairs, 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane	436.84	349.45
03 41 23 00-0009	EA	Erect Precast Stairs, 8-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	474.98	380.03

03 41 23 00-0010 Erection Costs Using A 90 Ton Crawler Crane *(03 41 23)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 23 00-0011	EA	Erect Precast Stairs, 0-2 Ton/Piece 151' Maximum Radius With 90 Ton Crane	290.52	232.38
03 41 23 00-0012	EA	Erect Precast Stairs, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	308.49	246.78
03 41 23 00-0013	EA	Erect Precast Stairs, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane	327.04	261.64
03 41 23 00-0014	EA	Erect Precast Stairs, 4-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	349.99	279.98
03 41 23 00-0015	EA	Erect Precast Stairs, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane	374.04	299.23
03 41 23 00-0016	EA	Erect Precast Stairs, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	401.66	321.31
03 41 23 00-0017	EA	Erect Precast Stairs, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane	436.84	349.45
03 41 23 00-0018	EA	Erect Precast Stairs, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	474.98	380.03

03 41 23 00-0019 Material Cost *(03 41 23)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast operations.

03 41 23 00-0020	EA	3' Wide With 10-1/2" Depth Treads Precast Concrete Stair Unit, Per Riser	269.56	
		For 3,500 PSI Concrete, Add	*35.18*	
		For 4,000 PSI Concrete, Add	*66.10*	
		For 4,500 PSI Concrete, Add	*97.15*	
		For 5,000 PSI Concrete, Add	*132.17*	

03 41 26 Precast Concrete Structural Sections *(03 41)*

03 41 26 00-0001 Precast Beams, Girder And Joists *(03 41 26)*

03 41 26 00-0002 Erection Costs Using A 90 Ton Crawler Crane *(03 41 26 00-0001)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 26 00-0003	EA	Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 89' Maximum Radius, 90 Ton Crane	368.63	294.94
03 41 26 00-0004	EA	Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 60' Maximum Radius, 90 Ton Crane	394.49	315.56
03 41 26 00-0005	EA	Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 43' Maximum Radius, 90 Ton Crane	421.62	337.29
03 41 26 00-0006	EA	Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 36' Maximum Radius, 90 Ton Crane	452.74	362.22

03 41 26 00-0007 Erection Costs Using A 125 Ton Crawler Crane *(03 41 26 00-0001)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 26 00-0008	EA	Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 110' Maximum Radius, 125 Ton Crane	464.97	371.95
03 41 26 00-0009	EA	Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 75' Maximum Radius, 125 Ton Crane	497.61	398.11
03 41 26 00-0010	EA	Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 55' Maximum Radius, 125 Ton Crane	531.81	425.45
03 41 26 00-0011	EA	Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 50' Maximum Radius, 125 Ton Crane	571.07	456.83
03 41 26 00-0012	EA	Erect Precast Structural Sections, 20-25 Ton/Piece Beam, Girder, Joist; 40' Maximum Radius, 125 Ton Crane	621.09	496.92
03 41 26 00-0013	EA	Erect Precast Structural Sections, 25-30 Ton/Piece Beam, Girder, Joist; 33' Maximum Radius, 125 Ton Crane	675.32	540.22
03 41 26 00-0014	EA	Erect Precast Structural Sections, 30-35 Ton/Piece Beam, Girder, Joist; 30' Maximum Radius, 125 Ton Crane	746.40	597.12

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 26 00-0015	EA	Erect Precast Structural Sections, 35-40 Ton/Piece Beam, Girder, Joist; 28' Maximum Radius, 125 Ton Crane	826.12	660.94
03 41 26 00-0016		**Material Cost** *(03 41 26 00-0001)* Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.		
03 41 26 00-0017		**1,000 LB/LF Live Load** *(03 41 26 00-0016)*		
03 41 26 00-0018	LF	Precast Structural Sections, 1,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI	53.90	
		For 3,500 PSI Concrete, Add	*1.47*	
		For 4,000 PSI Concrete, Add	*2.21*	
		For 4,500 PSI Concrete, Add	*2.94*	
		For 5,000 PSI Concrete, Add	*4.42*	
03 41 26 00-0019	LF	Precast Structural Sections, 1,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI	67.38	
		For 3,500 PSI Concrete, Add	*1.84*	
		For 4,000 PSI Concrete, Add	*2.76*	
		For 4,500 PSI Concrete, Add	*3.68*	
		For 5,000 PSI Concrete, Add	*5.53*	
03 41 26 00-0020	LF	Precast Structural Sections, 1,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI	80.86	
		For 3,500 PSI Concrete, Add	*2.21*	
		For 4,000 PSI Concrete, Add	*3.32*	
		For 4,500 PSI Concrete, Add	*4.41*	
		For 5,000 PSI Concrete, Add	*6.63*	
03 41 26 00-0021		**3,000 LB/LF Live Load** *(03 41 26 00-0016)*		
03 41 26 00-0022	LF	Precast Structural Sections, 3,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI	67.38	
		For 3,500 PSI Concrete, Add	*1.84*	
		For 4,000 PSI Concrete, Add	*2.76*	
		For 4,500 PSI Concrete, Add	*3.68*	
		For 5,000 PSI Concrete, Add	*5.53*	
03 41 26 00-0023	LF	Precast Structural Sections, 3,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI	80.86	
		For 3,500 PSI Concrete, Add	*2.21*	
		For 4,000 PSI Concrete, Add	*3.32*	
		For 4,500 PSI Concrete, Add	*4.41*	
		For 5,000 PSI Concrete, Add	*6.63*	
03 41 26 00-0024	LF	Precast Structural Sections, 3,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI	107.81	
		For 3,500 PSI Concrete, Add	*2.94*	
		For 4,000 PSI Concrete, Add	*4.42*	
		For 4,500 PSI Concrete, Add	*5.89*	
		For 5,000 PSI Concrete, Add	*8.84*	
03 41 26 00-0025		**5,000 LB/LF Live Load** *(03 41 26 00-0016)*		
03 41 26 00-0026	LF	Precast Structural Sections, 5,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI	94.33	
		For 3,500 PSI Concrete, Add	*2.58*	
		For 4,000 PSI Concrete, Add	*3.87*	
		For 4,500 PSI Concrete, Add	*5.15*	
		For 5,000 PSI Concrete, Add	*7.74*	
03 41 26 00-0027	LF	Precast Structural Sections, 5,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI	107.81	
		For 3,500 PSI Concrete, Add	*2.94*	
		For 4,000 PSI Concrete, Add	*4.42*	
		For 4,500 PSI Concrete, Add	*5.89*	
		For 5,000 PSI Concrete, Add	*8.84*	
03 41 26 00-0028	LF	Precast Structural Sections, 5,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI	134.76	
		For 3,500 PSI Concrete, Add	*3.68*	
		For 4,000 PSI Concrete, Add	*5.53*	
		For 4,500 PSI Concrete, Add	*7.36*	
		For 5,000 PSI Concrete, Add	*11.05*	
03 41 26 00-0029		**Precast Concrete Columns** *(03 41 26)*		
03 41 26 00-0030		**Erection Costs Using A 90 Ton Crawler Crane** *(03 41 26 00-0029)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 26 00-0031	EA	Erect Precast Concrete Columns, 0-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	212.01	169.58
03 41 26 00-0032	EA	Erect Precast Concrete Columns, 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	225.41	180.29
03 41 26 00-0033	EA	Erect Precast Concrete Columns, 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	241.57	193.27
03 41 26 00-0034	EA	Erect Precast Concrete Columns, 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	259.12	207.29
03 41 26 00-0035	EA	Erect Precast Concrete Columns, 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	279.42	223.49
03 41 26 00-0036	EA	Erect Precast Concrete Columns, 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	303.17	242.54
03 41 26 00-0037	EA	Erect Precast Concrete Columns, 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	331.34	265.08
03 41 26 00-0038		**Material Cost** *(03 41 26 00-0029)* Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast operations.		
03 41 26 00-0039		**12" x 12" Column, Square, Tied** *(03 41 26 00-0038)*		
03 41 26 00-0040	CY	12" x 12" Precast Column, Tied, Average Reinforced 351 LB/CY	279.00	
		For 3,500 PSI Concrete, Add	*20.93*	
		For 4,000 PSI Concrete, Add	*39.34*	
		For 4,500 PSI Concrete, Add	*58.03*	
		For 5,000 PSI Concrete, Add	*78.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 26 00-0041		16" x 16" Column, Square, Tied *(03 41 26 00-0038)*		
03 41 26 00-0042	CY	16" x 16" Precast Column, Tied, Average Reinforced 368 LB/CY	285.89	
		For 3,500 PSI Concrete, Add	*21.44*	
		For 4,000 PSI Concrete, Add	*40.31*	
		For 4,500 PSI Concrete, Add	*59.47*	
		For 5,000 PSI Concrete, Add	*80.91*	
03 41 26 00-0043		20" x 20" Column, Square, Tied *(03 41 26 00-0038)*		
03 41 26 00-0044	CY	20" x 20" Precast Column, Tied, Average Reinforced 357 LB/CY	286.44	
		For 3,500 PSI Concrete, Add	*21.48*	
		For 4,000 PSI Concrete, Add	*40.39*	
		For 4,500 PSI Concrete, Add	*59.58*	
		For 5,000 PSI Concrete, Add	*81.06*	
03 41 26 00-0045		24" x 24" Column, Square, Tied *(03 41 26 00-0038)*		
03 41 26 00-0046	CY	24" x 24" Precast Column, Tied, Average Reinforced 365 LB/CY	286.44	
		For 3,500 PSI Concrete, Add	*21.48*	
		For 4,000 PSI Concrete, Add	*40.39*	
		For 4,500 PSI Concrete, Add	*59.58*	
		For 5,000 PSI Concrete, Add	*81.06*	
03 41 26 00-0047		28" x 28" Column, Square, Tied *(03 41 26 00-0038)*		
03 41 26 00-0048	CY	28" x 28" Precast Column, Tied, Average Reinforced 347 LB/CY	286.44	
		For 3,500 PSI Concrete, Add	*21.48*	
		For 4,000 PSI Concrete, Add	*40.39*	
		For 4,500 PSI Concrete, Add	*59.58*	
		For 5,000 PSI Concrete, Add	*81.06*	
03 41 26 00-0049		32" x 32" Column, Square, Tied *(03 41 26 00-0038)*		
03 41 26 00-0050	CY	32" x 32" Precast Column, Tied, Average Reinforced 351 LB/CY	285.89	
		For 3,500 PSI Concrete, Add	*21.44*	
		For 4,000 PSI Concrete, Add	*40.31*	
		For 4,500 PSI Concrete, Add	*59.47*	
		For 5,000 PSI Concrete, Add	*80.91*	
03 41 26 00-0051		36" x 36" Column, Square, Tied *(03 41 26 00-0038)*		
03 41 26 00-0052	CY	36" x 36" Precast Column, Tied, Average Reinforced 278 LB/CY	286.44	
		For 3,500 PSI Concrete, Add	*21.48*	
		For 4,000 PSI Concrete, Add	*40.39*	
		For 4,500 PSI Concrete, Add	*59.58*	
		For 5,000 PSI Concrete, Add	*81.06*	
03 41 33		**Precast Structural Pretensioned Concrete** *(03 41)*		
03 41 33 00-0001		Slabs, Roof And Floor Members *(03 41 33)*		
03 41 33 00-0002	SF	4" Thick Precast Prestressed Slab, 12-16' Span Roof/Floor	6.90	1.71
03 41 33 00-0003	SF	6" Thick Precast Prestressed Slab, 16-25' Span Roof/Floor	8.35	1.71
03 41 33 00-0004	SF	8" Thick Precast Prestressed Slab, 25-32' Span Roof/Floor	9.81	1.80
03 41 33 00-0005	SF	10" Thick Precast Prestressed Slab, 32-40' Span Roof/Floor	11.28	1.88
03 41 33 00-0006		Tee Members *(03 41 33)*		
03 41 33 00-0007		Multiple Tee, Roof And Floor *(03 41 33 00-0006)*		
03 41 33 00-0008	SF	Prestressed Multiple Tee, Roof And Floor Members	14.35	2.23
03 41 33 00-0009		Double Tee Wall Member *(03 41 33 00-0006)*		
03 41 33 00-0010	SF	Prestressed Double Tee Wall Members Precast Concrete, <40' Span	22.45	6.08
03 41 33 00-0011		Single Tee, Short Span, Roof Members *(03 41 33 00-0006)*		
03 41 33 00-0012	SF	Prestressed Single Tee, Short Span Roof Precast Concrete Members, <40' Span	17.64	3.68
03 41 33 00-0013		Single Tee, Long Span, Roof Members *(03 41 33 00-0006)*		
03 41 33 00-0014	SF	Prestressed Single Tee, Long Span Roof Precast Concrete Members, <40' Span	20.32	3.17
03 41 33 00-0015		Prestressed Concrete Items *(03 41 33)*		
03 41 33 00-0016		Prestressed Quad Tee *(03 41 33 00-0015)*		
03 41 33 00-0017	SF	Tees, Prestressed Quad Tee, Short Spans, Roof	9.76	0.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 33 00-0018	SF	Tees, Prestressed Quad Tee, Short Spans, Floor	10.16	0.69
03 41 33 00-0019		**Prestressed Double Tee** *(03 41 33 00-0015)*		
03 41 33 00-0020	SF	Tees, Double Tee, Floor Members , 60' Span	15.84	0.60
03 41 33 00-0021	SF	Tees, Double Tee, Floor Members , 80' Span	21.66	0.60
03 41 33 00-0022	SF	Tees, Double Tee, Roof Members, 30' Span	11.23	1.03
03 41 33 00-0023	SF	Tees, Double Tee, Roof Members, 50' Span	16.81	0.69
03 41 33 00-0024	SF	Tees, Double Tee, Wall Members, Up To 55' High	12.38	1.37
03 41 33 00-0025		**Prestressed Single Tee** *(03 41 33 00-0015)*		
03 41 33 00-0026	SF	Tees, Single Tee Roof Members, 40' Span	19.36	1.54
03 41 33 00-0027	SF	Tees, Single Tee Roof Members, 80' Span	21.79	0.94
03 41 33 00-0028	SF	Tees, Single Tee Roof Members, 100' Span	28.55	0.86
03 41 33 00-0029	SF	Tees, Single Tee Roof Members, 120' Span	30.03	0.86
03 41 33 00-0030		**Prestressed Double Tee Floor Members** *(03 41 33 00-0015)*		
03 41 33 00-0031	EA	Tees, Double Tees, Floor Members, Lightweight, 20" X 8' Wide, 45'	4,890.89	246.69
03 41 33 00-0032	EA	Tees, Double Tees, Floor Members, Lightweight, 24" X 8' Wide, 50'	5,329.46	274.10
03 41 33 00-0033	EA	Tees, Double Tees, Floor Members, Lightweight, 32" X 10' Wide, 60'	8,809.11	308.36
03 41 33 00-0034	EA	Tees, Double Tees, Floor Members, Standard Weight, 12" X 8' Wide, 25'	2,005.55	224.33
03 41 33 00-0035	EA	Tees, Double Tees, Floor Members, Standard Weight, 16" X 8' Wide, 25'	2,599.65	246.69
03 41 33 00-0036	EA	Tees, Double Tees, Floor Members, Standard Weight, 18" X 8' Wide, 35'	3,273.54	246.69
03 41 33 00-0037	EA	Tees, Double Tees, Floor Members, Standard Weight, 20" X 8' Wide, 45'	3,644.72	274.10
03 41 33 00-0038	EA	Tees, Double Tees, Floor Members, Standard Weight, 24" X 8' Wide, 50'	4,630.96	308.36
03 41 33 00-0039	EA	Tees, Double Tees, Floor Members, Standard Weight, 32" X 10' Wide, 60'	8,190.48	352.56
03 41 33 00-0040		**Prestressed Double Tee Roof Members** *(03 41 33 00-0015)*		
03 41 33 00-0041	EA	Tees, Double Tees, Roof Members, Lightweight, 20" X 8' Wide, 45'	3,880.05	246.69
03 41 33 00-0042	EA	Tees, Double Tees, Roof Members, Lightweight, 24" X 8' Wide, 50'	5,059.90	274.10
03 41 33 00-0043	EA	Tees, Double Tees, Roof Members, Lightweight, 32" X 10' Wide, 60'	8,202.61	308.36
03 41 33 00-0044	EA	Tees, Double Tees, Roof Members, Standard Weight, 12" X 8' Wide, 30'	2,639.02	224.33
03 41 33 00-0045	EA	Tees, Double Tees, Roof Members, Standard Weight, 16" X 8' Wide, 30'	2,788.34	246.69
03 41 33 00-0046	EA	Tees, Double Tees, Roof Members, Standard Weight, 18" X 8' Wide, 30'	3,071.37	246.69
03 41 33 00-0047	EA	Tees, Double Tees, Roof Members, Standard Weight, 20" X 8' Wide, 40'	3,172.99	274.10
03 41 33 00-0048	EA	Tees, Double Tees, Roof Members, Standard Weight, 24" X 8' Wide, 50'	4,159.23	308.36
03 41 33 00-0049	EA	Tees, Double Tees, Roof Members, Standard Weight, 32" X 10' Wide, 60'	7,044.85	352.56
03 41 33 00-0050		**Plant Produced Pretensioned Prestressed Concrete Hollow Core Slab** *(03 41 33)*		
03 41 33 00-0051	SF	Hollow Core Slab, 4" Slab, 12' - 16' Spans, Plant Produced Pretensioned Prestressed Concrete	10.23	
03 41 33 00-0052	SF	Hollow Core Slab, 6" Slab, 16' - 25' Spans, Plant Produced Pretensioned Prestressed Concrete	10.69	
03 41 33 00-0053	SF	Hollow Core Slab, 8" Slab, 25' - 30' Spans, Plant Produced Pretensioned Prestressed Concrete	11.30	
03 41 33 00-0054	SF	Hollow Core Slab, 10" Slab, 30' - 35' Spans, Plant Produced Pretensioned Prestressed Concrete	11.80	
03 41 33 00-0055	SF	Hollow Core Slab, 12" Slab, 35' - 40' Spans, Plant Produced Pretensioned Prestressed Concrete	12.75	
03 41 33 00-0056		**Double And Single Tees** *(03 41 33)*		
03 41 33 00-0057		**Double And Single Tees With 16" Roof And Floor Loading** *(03 41 33 00-0056)*		
03 41 33 00-0058	SF	Double Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	12.57	
03 41 33 00-0059	SF	Double Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	12.24	
03 41 33 00-0060	SF	Double Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	11.54	
03 41 33 00-0061	SF	Double Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	12.57	
03 41 33 00-0062	SF	Double Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	12.48	
03 41 33 00-0063	SF	Single Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	18.88	
03 41 33 00-0064	SF	Single Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	18.42	
03 41 33 00-0065	SF	Single Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	17.24	
03 41 33 00-0066	SF	Single Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	18.88	
03 41 33 00-0067	SF	Single Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	17.70	
03 41 33 00-0068		**Double And Single Tees With 24" Roof And Floor Loading** *(03 41 33 00-0056)*		
03 41 33 00-0069	SF	Double Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	12.93	
03 41 33 00-0070	SF	Double Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	12.60	
03 41 33 00-0071	SF	Double Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	12.15	
03 41 33 00-0072	SF	Double Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	12.93	
03 41 33 00-0073	SF	Double Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	12.48	
03 41 33 00-0074	SF	Single Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	19.36	
03 41 33 00-0075	SF	Single Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	18.91	
03 41 33 00-0076	SF	Single Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	18.21	
03 41 33 00-0077	SF	Single Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	19.36	
03 41 33 00-0078	SF	Single Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	18.79	
03 41 33 00-0079		**Double And Single Tees With 32" Roof And Floor Loading** *(03 41 33 00-0056)*		
03 41 33 00-0080	SF	Double Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete	13.67	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 33 00-0081	SF	Double Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete	13.21	
03 41 33 00-0082	SF	Double Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete	12.75	
03 41 33 00-0083	SF	Single Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete	20.59	
03 41 33 00-0084	SF	Single Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete	19.88	
03 41 33 00-0085	SF	Single Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete	19.06	

03 48 Precast Concrete Specialties *(03 40)*

03 48 16 Precast Concrete Splash Blocks *(03 48)*

03 48 16 00-0001 Precast Concrete Splash Blocks *(03 48 16)*

03 48 16 00-0002	EA	Precast Concrete Splash Blocks, Standard Size	16.61	3.07

03 48 21 Precast Concrete Handrails *(03 48)*

03 48 21 00-0001 Installation Cost *(03 48 21)*

Note: Includes handling, hoisting into place, alignment, and permanent connections. Excludes grouting.

03 48 21 00-0002	EA	Install Precast Handrails, 0-2 Ton/Handrail	121.06	54.50
03 48 21 00-0003	EA	Install Precast Handrails, Over 2 Ton/Handrail	145.19	65.32

03 48 21 00-0004 Material Cost *(03 48 21)*

Note: Includes 3000 PSI concrete, imbedded items, formwork and precast operations.

03 48 21 00-0005	CY	4" Thick 3,000 PSI Concrete Precast Concrete Handrail	1,064.79	
		For 3,500 PSI Concrete, Add	*69.48*	
		For 4,000 PSI Concrete, Add	*130.54*	
		For 4,500 PSI Concrete, Add	*191.88*	
		For 5,000 PSI Concrete, Add	*261.03*	
03 48 21 00-0006	CY	5" Thick 3,000 PSI Concrete Precast Concrete Handrail	1,105.23	
		For 3,500 PSI Concrete, Add	*72.12*	
		For 4,000 PSI Concrete, Add	*135.50*	
		For 4,500 PSI Concrete, Add	*199.16*	
		For 5,000 PSI Concrete, Add	*270.95*	
03 48 21 00-0007	CY	6" Thick 3,000 PSI Concrete Precast Concrete Handrail	1,145.66	
		For 3,500 PSI Concrete, Add	*74.75*	
		For 4,000 PSI Concrete, Add	*140.46*	
		For 4,500 PSI Concrete, Add	*206.45*	
		For 5,000 PSI Concrete, Add	*280.86*	
03 48 21 00-0008	CY	8" Thick 3,000 PSI Concrete Precast Concrete Handrail	1,199.58	
		For 3,500 PSI Concrete, Add	*78.27*	
		For 4,000 PSI Concrete, Add	*147.07*	
		For 4,500 PSI Concrete, Add	*216.16*	
		For 5,000 PSI Concrete, Add	*294.08*	

03 48 22 Precast Concrete Sun Screen And Trellis *(03 48)*

03 48 22 00-0001 Sun Screen Blades *(03 48 22)*

03 48 22 00-0002 Installation Cost *(03 48 22 00-0001)*

Note: Includes handling, hoisting into place, alignment, bracing, and permanent connections.

03 48 22 00-0003	EA	Install Precast Sun Screen Blade, 0-1 Ton/Each	60.53	27.25
03 48 22 00-0004	EA	Install Precast Sun Screen Blade, 1-2 Ton/Each	72.73	32.70
03 48 22 00-0005	EA	Install Precast Sun Screen Blade, 2-3 Ton/Each	90.87	40.92

03 48 22 00-0006 Material Cost *(03 48 22 00-0001)*

Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.

03 48 22 00-0007	CY	4" Thick 3,000 PSI Concrete Precast Sun Screen Blades	1,132.18	
		For 3,500 PSI Concrete, Add	*73.87*	
		For 4,000 PSI Concrete, Add	*138.81*	
		For 4,500 PSI Concrete, Add	*204.02*	
		For 5,000 PSI Concrete, Add	*277.55*	
03 48 22 00-0008	CY	5" Thick 3,000 PSI Concrete Precast Sun Screen Blades	1,172.62	
		For 3,500 PSI Concrete, Add	*76.51*	
		For 4,000 PSI Concrete, Add	*143.76*	
		For 4,500 PSI Concrete, Add	*211.31*	
		For 5,000 PSI Concrete, Add	*287.47*	
03 48 22 00-0009	CY	6" Thick 3,000 PSI Concrete Precast Sun Screen Blades	1,226.53	
		For 3,500 PSI Concrete, Add	*80.03*	
		For 4,000 PSI Concrete, Add	*150.37*	
		For 4,500 PSI Concrete, Add	*221.02*	
		For 5,000 PSI Concrete, Add	*300.68*	
03 48 22 00-0010	CY	8" Thick 3,000 PSI Concrete Precast Sun Screen Blades	1,280.45	
		For 3,500 PSI Concrete, Add	*83.55*	
		For 4,000 PSI Concrete, Add	*156.98*	
		For 4,500 PSI Concrete, Add	*230.74*	
		For 5,000 PSI Concrete, Add	*313.90*	

03 48 22 00-0011 Sun Screen/Trellis Units *(03 48 22)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 22 00-0012		Installation Cost Using A 50 Ton Hydraulic Crane *(03 48 22 00-0011)*		
		Note: Includes handling, hoisting into place, alignment, bracing and permanent to connections.		
03 48 22 00-0013	EA	Install Precast Trellis, 0-1 Tons/Unit 100' Maximum Radius With 50 Ton Crane	275.79	124.09
03 48 22 00-0014	EA	Install Precast Trellis, 1-3 Tons/Unit 65' Maximum Radius With 50 Ton Crane	308.49	138.87
03 48 22 00-0015	EA	Install Precast Trellis, 3-5 Tons/Unit 50' Maximum Radius With 50 Ton Crane	349.99	157.48
03 48 22 00-0016	EA	Install Precast Trellis, 5-7 Tons/Unit 40' Maximum Radius With 50 Ton Crane	374.04	168.32
03 48 22 00-0017		Material Cost *(03 48 22 00-0011)*		
		Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 22 00-0018	CY	4" Thick 3,000 PSI Concrete Precast Trellises Blades	1,307.40	
		For 3,500 PSI Concrete, Add	*85.31*	
		For 4,000 PSI Concrete, Add	*160.29*	
		For 4,500 PSI Concrete, Add	*235.59*	
		For 5,000 PSI Concrete, Add	*320.51*	
03 48 22 00-0019	CY	5" Thick 3,000 PSI Concrete Precast Trellises Blades	1,347.84	
		For 3,500 PSI Concrete, Add	*87.95*	
		For 4,000 PSI Concrete, Add	*165.25*	
		For 4,500 PSI Concrete, Add	*242.88*	
		For 5,000 PSI Concrete, Add	*330.42*	
03 48 22 00-0020	CY	6" Thick 3,000 PSI Concrete Precast Trellises Blades	1,401.75	
		For 3,500 PSI Concrete, Add	*91.46*	
		For 4,000 PSI Concrete, Add	*171.85*	
		For 4,500 PSI Concrete, Add	*252.60*	
		For 5,000 PSI Concrete, Add	*343.64*	
03 48 22 00-0021	CY	8" Thick 3,000 PSI Concrete Precast Trellises Blades	1,469.14	
		For 3,500 PSI Concrete, Add	*95.86*	
		For 4,000 PSI Concrete, Add	*180.12*	
		For 4,500 PSI Concrete, Add	*264.74*	
		For 5,000 PSI Concrete, Add	*360.16*	
03 48 24		**Precast Minaret Segments** *(03 48)*		
03 48 24 00-0001		Installation Costs Using A 50 Ton Hydraulic Crane *(03 48 24)*		
		Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.		
03 48 24 00-0002		L - Shaped Segments *(03 48 24 00-0001)*		
03 48 24 00-0003	EA	Install Minaret, L-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	268.37	214.70
03 48 24 00-0004	EA	Install Minaret, L-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	300.74	240.60
03 48 24 00-0005	EA	Install Minaret, L-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	340.04	272.03
03 48 24 00-0006	EA	Install Minaret, L-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	362.71	290.17
03 48 24 00-0007		O - Shaped Segments *(03 48 24 00-0001)*		
03 48 24 00-0008	EA	Install Minaret, O-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	283.63	226.95
03 48 24 00-0009	EA	Install Minaret, O-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	318.33	254.63
03 48 24 00-0010	EA	Install Minaret, O-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	360.53	288.38
03 48 24 00-0011	EA	Install Minaret, O-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	386.11	308.87
03 48 24 00-0012		Platform Segment *(03 48 24 00-0001)*		
03 48 24 00-0013	EA	Install Minaret, Platform Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	544.07	435.30
03 48 24 00-0014	EA	Install Minaret, Platform Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	657.66	526.10
03 48 24 00-0015	EA	Install Minaret, Platform Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	729.84	583.89
03 48 24 00-0016	EA	Install Minaret, Platform Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	819.83	655.89
03 48 24 00-0017		Cap Segment *(03 48 24 00-0001)*		
03 48 24 00-0018	EA	Install Minaret, Cap Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	297.75	238.17
03 48 24 00-0019	EA	Install Minaret, Cap Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	332.48	265.95
03 48 24 00-0020	EA	Install Minaret, Cap Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	378.78	302.97
03 48 24 00-0021	EA	Install Minaret, Cap Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	404.37	323.45
03 48 24 00-0022		Installation Costs Using A 90 Ton Crawler Crane *(03 48 24)*		
		Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting and caulking of joints.		
03 48 24 00-0023		L - Shaped Segments *(03 48 24 00-0022)*		
03 48 24 00-0024	EA	Install Minaret, L-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	271.90	217.53
03 48 24 00-0025	EA	Install Minaret, L-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	304.70	243.77
03 48 24 00-0026	EA	Install Minaret, L-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	344.51	275.60
03 48 24 00-0027	EA	Install Minaret, L-Shaped Segments, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	367.48	293.98
03 48 24 00-0028		O - Shaped Segment *(03 48 24 00-0022)*		
03 48 24 00-0029	EA	Install Minaret, O-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	287.36	229.93
03 48 24 00-0030	EA	Install Minaret, O-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	322.52	257.98
03 48 24 00-0031	EA	Install Minaret, O-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	365.26	292.17
03 48 24 00-0032	EA	Install Minaret, O-Shaped Segments, 5-7 Ton/Each 795' Maximum Radius With 90 Ton Crane	391.19	312.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 24 00-0033		**Platform Segment** *(03 48 24 00-0022)*		
03 48 24 00-0034	EA	Install Minaret, Platform Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	439.38	351.49
03 48 24 00-0035	EA	Install Minaret, Platform Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	531.88	425.48
03 48 24 00-0036	EA	Install Minaret, Platform Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	588.68	470.95
03 48 24 00-0037	EA	Install Minaret, Platform Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	666.31	533.01
03 48 24 00-0038		**Cap Segment** *(03 48 24 00-0022)*		
03 48 24 00-0039	EA	Install Minaret, Cap Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	301.66	241.30
03 48 24 00-0040	EA	Install Minaret, Cap Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	336.85	269.44
03 48 24 00-0041	EA	Install Minaret, Cap Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	383.75	306.96
03 48 24 00-0042	EA	Install Minaret, Cap Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	409.69	327.71
03 48 24 00-0043		**Material Costs** *(03 48 24)*		
		Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 24 00-0044	CY	Precast Concrete Minaret, L-Shaped Segments Including Post Tension Cost, 3,000 PSI Concrete	3,234.63	
03 48 24 00-0045	CY	Precast Concrete Minaret, O-Shaped Segments Including Post Tension Cost, 3,000 PSI Concrete	3,234.63	
03 48 24 00-0046	CY	Precast Concrete Minaret, Platform Segments Including Post Tension Cost, 3,000 PSI Concrete	3,234.63	
03 48 24 00-0047	CY	Precast Concrete Minaret, Cap Segments Including Post Tension Cost, 3,000 PSI Concrete	3,234.63	
03 48 29		**Precast Accessories** *(03 48)*		
		Note: Includes installation labor, material and equipment.		
03 48 29 00-0001		**Bearing Pads For Precast Members** *(03 48 29)*		
03 48 29 00-0002		**Continuous 2" Wide Strips** *(03 48 29 00-0001)*		
03 48 29 00-0003	LF	Bearing Pads, Continuous 2" Wide x 1/8" Thick Strips Note: For precast members	1.10	
03 48 29 00-0004	LF	Bearing Pads, Continuous 2" Wide x 1/4" Thick Strips Note: For precast members.	1.57	
03 48 29 00-0005	LF	Bearing Pads, Continuous 2" Wide x 1/2" Thick Strips Note: For precast members	2.60	
03 48 29 00-0006	LF	Bearing Pads, Continuous 2" Wide x 3/4" Thick Strips Note: For precast members	3.64	
03 48 29 00-0007	LF	Bearing Pads, Continuous 2" Wide x 1" Thick Strips Note: For precast members	4.73	
03 48 29 00-0008	LF	Bearing Pads, Continuous 2" Wide x 1-1/2" Thick Strips Note: For precast members	6.80	
03 48 29 00-0009		**Bearing Pad Pipe Supports** *(03 48 29)*		
03 48 29 00-0010	LF	8" Diameter Precast Balustrade, Decorative Shapes	67.73	
03 48 29 00-0011	LF	Precast Rail Cap, <1 SF Cross Section	43.44	
03 48 29 00-0012	LF	4" x 4" Precast Pipe Support	6.87	
03 48 46		**Precast Skylight Shells** *(03 48)*		
03 48 46 00-0001		**Installation Cost Using A 90 Ton Crawler Crane** *(03 48 46)*		
		Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.		
03 48 46 00-0002	EA	Install Precast Skylight Shell, 0-4 Tons/Each Based On 90 Ton Crawler Crane	394.49	177.55
03 48 46 00-0003	EA	Install Precast Skylight Shell, 4-6 Tons/Each Based On 90 Ton Crawler Crane	438.05	197.13
03 48 46 00-0004	EA	Install Precast Skylight Shell, 6-8 Tons/Each Based On 90 Ton Crawler Crane	492.40	221.59
03 48 46 00-0005		**Material Cost** *(03 48 46)*		
		Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 46 00-0006	CY	3.5" Thick 3,000 PSI Concrete Precast Skylight With 4.4' Radius	1,353.27	
03 48 49		**Precast Landings** *(03 48)*		
03 48 49 00-0001	SF	3" Thick Precast Landing	40.71	
03 48 49 00-0002	SF	4" Thick Precast Landing	47.09	
03 48 49 00-0003	SF	5" Thick Precast Landing	53.98	
03 48 49 00-0004	SF	6" Thick Precast Landing	62.37	

03 50 Cast Decks And Underlayment *(03)*

03 51 Cast Roof Decks *(03 50)*

03 51 13 Cementitious Wood Fiber Decks *(03 51)*

03 51 13 00-0001		**Cement Fiber Tongue And Groove Planks** *(03 51 13)*		
03 51 13 00-0002	SF	1" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	2.65	
03 51 13 00-0003	SF	1-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	2.75	
03 51 13 00-0004	SF	2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	2.89	
03 51 13 00-0005	SF	2-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	3.28	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 51 13 00-0006	SF	3" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	3.70	
03 51 13 00-0007	SF	3-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	4.18	
03 51 13 00-0008	SF	4" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	4.79	
03 51 13 00-0009		Bulb Tees, Sub-Purlins And Grout *(03 51 13)*		
03 51 13 00-0010	SF	6' Span Bulb Tee, Sub-Purlins, Grout, Cement Wood Fiber System	1.10	
03 51 13 00-0011	SF	8' Span Bulb Tee, Sub-Purlins, Grout, Cement Wood Fiber System	1.70	
03 51 16		**Gypsum Concrete Roof Decks** *(03 51)*		
03 51 16 00-0001		Class A Gypsum Fill Concrete Deck *(03 51 16)*		
03 51 16 00-0002	SF	2" Thick Precast Gypsum Fill Concrete Deck, Class A	4.04	0.42
03 51 16 00-0003	SF	2-1/2" Thick Precast Gypsum Fill Concrete Deck, Class A	4.96	0.49
03 51 16 00-0004	SF	3" Thick Precast Gypsum Fill Concrete Deck, Class A	5.90	0.56
03 51 16 00-0005	SF	3-1/2" Thick Precast Gypsum Fill Concrete Deck, Class A	6.85	0.64
03 51 16 00-0006	SF	4" Thick Precast Gypsum Fill Concrete Deck, Class A	7.82	0.71
03 51 16 00-0007		Formboard For Lightweight Deck *(03 51 16)*		
03 51 16 00-0008	SF	Gypsum Deck Formboard, 1/2" Drywall For Lightweight Deck	1.70	
03 51 16 00-0009	SF	Gypsum Deck Formboard, 1" Mineral Fiber Board For Lightweight Deck	2.27	
03 51 16 00-0010	SF	Gypsum Deck Formboard, 1-1/2" Mineral Fiber Board For Lightweight Deck	4.75	
03 51 16 00-0011	SF	Gypsum Deck Formboard, 1" Cementitious Fiber Board For Lightweight Deck	1.88	0.44
03 51 16 00-0012	SF	Gypsum Deck Formboard, 1-1/2" Cementitious Fiber Board For Lightweight Deck	2.30	0.44
03 51 16 00-0013	SF	Gypsum Deck Formboard, 1" Glass Fiber Board For Lightweight Deck	2.55	0.44
03 51 16 00-0014	SF	Gypsum Deck Formboard, 1-1/2" Glass Fiber Board For Lightweight Deck	3.17	0.44
03 51 16 00-0015		Board Deck Supports For Formboard *(03 51 16)*		
03 51 16 00-0016	SF	Gypsum Deck Formboard Supports, 5' Bulb Tee 40 LB/SF, Span	0.73	0.17
03 51 16 00-0017	SF	Gypsum Deck Formboard Supports, 8' Bulb Tee 40 LB/SF Span	1.24	0.25
03 51 16 00-0018		Gypsum Plank *(03 51 16)*		
03 51 16 00-0019	SF	Insulating Concrete Gypsum Plank, 2" Thick Roof Deck	2.86	
03 51 16 00-0020	SF	Insulating Concrete Gypsum Plank, 3" Thick Roof Deck	3.76	
03 52		Lightweight Concrete Roof Insulation *(03 50)*		
03 52 16		**Lightweight Insulating Concrete** *(03 52)*		
		Note: Add costs for forming to all tasks below. See CSI section 03 11 00 00-0000 for forming.		
03 52 16 00-0001		Poured Deck *(03 52 16)*		
03 52 16 00-0002		Perlite Or Vermiculite *(03 52 16 00-0001)*		
03 52 16 00-0003	CY	Insulating Roof Deck, Perlite, 1:6 Mix Field Mix, Also Vermiculite	226.38	
		For Smooth Trowel Finish, Add	*39.40*	
03 52 16 00-0004		Lightweight Insulating Concrete Deck, Ready Mix 1 To 6 Mix *(03 52 16 00-0001)*		
03 52 16 00-0005	SF	2" Insulating Roof Deck, Ready Mix, 1:6 Mix	2.34	
		For Smooth Trowel Finish, Add	*0.28*	
03 52 16 00-0006	SF	3" Insulating Roof Deck, Ready Mix, 1:6 Mix	3.34	
		For Smooth Trowel Finish, Add	*0.34*	
03 52 16 00-0007		Lightweight Concrete Plank *(03 52 16)*		
03 52 16 00-0008	SF	2" Thick Insulating Lightweight Concrete Plank Roof Deck	4.54	
		For >4 To 12 Pitch, Add	*0.31*	
		For >6 To 12 Pitch, Add	*1.85*	
03 52 16 00-0009	SF	2-1/2" Thick Insulating Lightweight Concrete Plank Roof Deck	5.26	
		For >4 To 12 Pitch, Add	*0.34*	
		For >6 To 12 Pitch, Add	*2.01*	
03 52 16 00-0010	SF	3" Thick Insulating Lightweight Concrete Plank Roof Deck	6.06	
		For >4 To 12 Pitch, Add	*0.36*	
		For >6 To 12 Pitch, Add	*2.18*	
03 52 16 00-0011	SF	3-1/2" Thick Insulating Lightweight Concrete Plank Roof Deck	6.36	
		For >4 To 12 Pitch, Add	*0.39*	
		For >6 To 12 Pitch, Add	*2.36*	
03 52 16 00-0012	SF	4" Thick Insulating Lightweight Concrete Plank Roof Deck	6.59	
		For >4 To 12 Pitch, Add	*0.41*	
		For >6 To 12 Pitch, Add	*2.45*	
03 52 16 00-0013		Lightweight Channel Slab *(03 52 16)*		
03 52 16 00-0014	SF	2-3/4" Thick Lightweight Channel Slab, Straight Insulating Concrete Roof Deck	5.05	
03 52 16 00-0015	SF	3-1/2" Thick Lightweight Channel Slab, Straight Insulating Concrete Roof Deck	5.39	
03 52 16 00-0016	SF	3-3/4" Thick Lightweight Channel Slab, Straight Insulating Concrete Roof Deck	5.49	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 52 16 00-0017	SF	4-3/4" Thick Lightweight Channel Slab, Straight Insulating Concrete Roof Deck	5.69	
03 52 16 00-0018	SF	2-3/4" Thick Lightweight Channel Slab, Chopped Insulating Concrete Roof Deck	7.22	
03 52 16 00-0019	SF	3-1/2" Thick Lightweight Channel Slab, Chopped Insulating Concrete Roof Deck	7.30	
03 52 16 00-0020	SF	3-3/4" Thick Lightweight Channel Slab, Chopped Insulating Concrete Roof Deck	7.44	
03 52 16 00-0021	SF	4-3/4" Thick Lightweight Channel Slab, Chopped Insulating Concrete Roof Deck	7.55	

03 53 Concrete Topping *(03 50)*

Note: Installed over new or existing concrete.

03 53 00 00-0001 Integral Topping Including Hard Trowel Finish *(03 53)*

Note: Using 1:1:2 mix.

03 53 00 00-0002	SF	3/16" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	1.90	
03 53 00 00-0003	SF	1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	2.13	
03 53 00 00-0004	SF	3/4" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	2.49	
03 53 00 00-0005	SF	1" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	2.95	
03 53 00 00-0006	SF	2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	4.18	
03 53 00 00-0007	SF	2-1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	3.55	
03 53 00 00-0008	SF	3" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	3.96	

03 53 00 00-0009 Granolithic Topping Laid After *(03 53)*

Note: Using 1:1:1-1/2 mix.

03 53 00 00-0010	SF	1/2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix	3.21	
03 53 00 00-0011	SF	1" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix	3.45	
03 53 00 00-0012	SF	2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix	4.33	

03 54 Cast Underlayment *(03 50)*

Note: Includes primer. Excludes sandblasting existing smooth finished concrete surface (where necessary).

03 54 16 Hydraulic Cement Underlayment *(03 54)*

03 54 16 00-0001 Self Leveling Cementitious Underlayment For Floors *(03 54 16)*

Note: Includes primer.

03 54 16 00-0002	SF	1/8" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	1.65	
03 54 16 00-0003	SF	1/4" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	2.50	
03 54 16 00-0004	SF	1/2" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	4.21	
03 54 16 00-0005	SF	3/4" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	5.93	
03 54 16 00-0006	SF	1" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	7.64	
03 54 16 00-0007	SF	1-1/4" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	9.92	
03 54 16 00-0008	SF	1-1/2" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	11.07	
03 54 16 00-0009	SF	1-3/4" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	14.50	

03 60 Grouting *(03)*

03 61 Cementitious Grouting *(03 60)*

Note: 1 part cement to 3 parts sand by volume.

03 61 16 Cementitious Flowable Grout *(03 61)*

03 61 16 00-0001	CY	Cementitious Flowable Grout	327.81	

03 62 Non-Shrink Grouting *(03 60)*

03 62 13 Non-Metallic Non-Shrink Grouting *(03 62)*

03 62 13 00-0001 Fluid Type, Nonmetallic *(03 62 13)*

03 62 13 00-0002	SF	1" Deep Fluid Type Nonmetal Grout, For Grouting Bases	18.95	
03 62 13 00-0003	SF	2" Deep Fluid Type Nonmetal Grout, For Grouting Bases	27.96	

03 62 13 00-0004 Nonshrink, Nonmetallic Grout *(03 62 13)*

03 62 13 00-0005	SF	1" Deep Nonshrink Nonmetallic Grout, For Grouting Bases	28.98	
03 62 13 00-0006	SF	2" Deep Nonshrink Nonmetallic Grout, For Grouting Bases	46.35	

03 62 13 00-0007 Nonshrink, Nonmetallic Grout For Joints *(03 62 13)*

03 62 13 00-0008 1/2" Joint Thickness *(03 62 13 00-0007)*

03 62 13 00-0009	LF	1/2" x 4" Wide Nonshrink Non Metallic Joint For Grouting Joints	1.52	
03 62 13 00-0010	LF	1/2" x 6" Wide Nonshrink Non Metallic Joint For Grouting Joints	1.99	
03 62 13 00-0011	LF	1/2" x 8" Wide Nonshrink Non Metallic Joint For Grouting Joints	2.64	

03 62 13 00-0012 1" Joint Thickness *(03 62 13 00-0007)*

03 62 13 00-0013	LF	1" x 4" Wide Nonshrink Non Metallic Joint For Grouting Joints	2.24	
03 62 13 00-0014	LF	1" x 6" Wide Nonshrink Non Metallic Joint For Grouting Joints	2.98	
03 62 13 00-0015	LF	1" x 8" Wide Nonshrink Non Metallic Joint For Grouting Joints	3.96	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 62 16		**Metallic Non-Shrink Grouting** *(03 62)*		
03 62 16 00-0001		Nonshrink, Metallic Grout *(03 62 16)*		
03 62 16 00-0002	SF	1" Deep Nonshrink Metallic Grout, For Grouting Bases	24.62	
03 62 16 00-0003	SF	2" Deep Nonshrink Metallic Grout, For Grouting Bases	37.89	
03 62 16 00-0004		Nonshrink, Metallic Grout For Joints *(03 62 16)*		
03 62 16 00-0005		1/2" Joint Thickness *(03 62 16 00-0004)*		
03 62 16 00-0006	LF	1/2" x 4" Wide Nonshrink Metallic Joint For Grouting Joints	1.25	
03 62 16 00-0007	LF	1/2" x 6" Wide Nonshrink Metallic Joint For Grouting Joints	1.57	
03 62 16 00-0008	LF	1/2" x 8" Wide Nonshrink Metallic Joint For Grouting Joints	2.11	
03 62 16 00-0009		1" Joint Thickness *(03 62 16 00-0004)*		
03 62 16 00-0010	LF	1" x 4" Wide Nonshrink Metallic Joint For Grouting Joints	1.71	
03 62 16 00-0011	LF	1" x 6" Wide Nonshrink Metallic Joint For Grouting Joints	2.16	
03 62 16 00-0012	LF	1" x 8" Wide Nonshrink Metallic Joint For Grouting Joints	2.88	

03 64 Injection Grouting *(03 60)*

Note: By volume of void filled. Includes injection ports.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 64 23		**Epoxy Injection Grouting** *(03 64)*		
03 64 23 00-0001	CF	Pressure Injected Epoxy Grout	789.62	
03 64 26		**Injection Grouting** *(03 64)*		
03 64 26 00-0001	CF	Pressure Injected Cementitious Grout	61.54	

03 80 Concrete Cutting And Boring *(03)*

03 81 Concrete Cutting *(03 80)*

03 81 13 Flat Concrete Sawing *(03 81)*

See CSI section 02 41 19 13-0001 for saw cutting.

03 81 16 Track Mounted Concrete Wall Sawing *(03 81)*

See CSI section 02 41 19 13-0001 for saw cutting.

03 82 Concrete Boring *(03 80)*

03 82 13 Concrete Core Drilling *(03 82)*

See CSI section 02 41 19 13-0023 for core drilling.

END OF SECTION 03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

04 Masonry

04 01 Maintenance Of Masonry *(04)*

04 01 20 Maintenance Of Unit Masonry *(04 01)*

Note: For use on existing brick. Includes clean-up of debris. Excludes disposal.

04 01 20 41 Unit Masonry Stabilization *(04 01 20)*

04 01 20 41-0001 Unit Masonry Stabilization (Helifix®) *(04 01 20 41)*

04 01 20 41-0002 Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) *(04 01 20 41-0001)*

Note: Austenitic stainless steel. For stabilizing solid masonry. Includes drilling, cementitious grout and patching surface.

04 01 20 41-0003 304 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) *(04 01 20 41-0002)*

04 01 20 41-0004	EA	8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	21.08	
		For Up To 10, Add	*7.40*	
		For >10 To 50, Add	*3.70*	
04 01 20 41-0005	EA	8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	31.88	
		For Up To 10, Add	*7.40*	
		For >10 To 50, Add	*3.70*	
04 01 20 41-0006	EA	8mm Diameter, 900mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	43.61	
		For Up To 10, Add	*7.40*	
		For >10 To 50, Add	*3.70*	

04 01 20 41-0007 316 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) *(04 01 20 41-0002)*

04 01 20 41-0008	EA	8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	23.42	
		For Up To 10, Add	*7.40*	
		For >10 To 50, Add	*3.70*	
04 01 20 41-0009	EA	8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	36.04	
		For Up To 10, Add	*7.40*	
		For >10 To 50, Add	*3.70*	
04 01 20 41-0010	EA	8mm Diameter, 900mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	49.85	
		For Up To 10, Add	*7.40*	
		For >10 To 50, Add	*3.70*	

04 01 20 41-0011 Ties For Stitching Masonry Cracks (Helifix® Helibar) *(04 01 20 41-0001)*

Note: Austenitic stainless steel. For stabilizing cracked masonry. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout. Excludes repairing vertical crack.

04 01 20 41-0012 304 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar) *(04 01 20 41-0011)*

04 01 20 41-0013	EA	4.5mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	51.84	
		For Up To 10, Add	*29.58*	
		For >10 To 50, Add	*14.79*	
04 01 20 41-0014	EA	4.5mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	57.97	
		For Up To 10, Add	*29.58*	
		For >10 To 50, Add	*14.79*	
04 01 20 41-0015	EA	4.5mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	200.37	
		For Up To 10, Add	*29.58*	
		For >10 To 50, Add	*14.79*	
04 01 20 41-0016	EA	6mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	51.84	
		For Up To 10, Add	*29.58*	
		For >10 To 50, Add	*14.79*	
04 01 20 41-0017	EA	6mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	57.97	
		For Up To 10, Add	*29.58*	
		For >10 To 50, Add	*14.79*	
04 01 20 41-0018	EA	6mm Diameter, 1.5m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	64.96	
		For Up To 10, Add	*29.58*	
		For >10 To 50, Add	*14.79*	
04 01 20 41-0019	EA	6mm Diameter, 2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	78.08	
		For Up To 10, Add	*29.58*	
		For >10 To 50, Add	*14.79*	
04 01 20 41-0020	EA	6mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	200.37	
		For Up To 10, Add	*29.58*	
		For >10 To 50, Add	*14.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0021		316 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar) *(04 01 20 41-0011)*		
04 01 20 41-0022	EA	4.5mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	55.18	
		For Up To 10, Add	*29.58*	
		For >10 To 50, Add	*14.79*	
04 01 20 41-0023	EA	4.5mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	62.43	
		For Up To 10, Add	*29.58*	
		For >10 To 50, Add	*14.79*	
04 01 20 41-0024	EA	4.5mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	228.21	
		For Up To 10, Add	*29.58*	
		For >10 To 50, Add	*14.79*	
04 01 20 41-0025	EA	6mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	55.18	
		For Up To 10, Add	*29.58*	
		For >10 To 50, Add	*14.79*	
04 01 20 41-0026	EA	6mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	62.43	
		For Up To 10, Add	*29.58*	
		For >10 To 50, Add	*14.79*	
04 01 20 41-0027	EA	6mm Diameter, 1.5m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	70.52	
		For Up To 10, Add	*29.58*	
		For >10 To 50, Add	*14.79*	
04 01 20 41-0028	EA	6mm Diameter, 2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	85.88	
		For Up To 10, Add	*29.58*	
		For >10 To 50, Add	*14.79*	
04 01 20 41-0029	EA	6mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	228.21	
		For Up To 10, Add	*29.58*	
		For >10 To 50, Add	*14.79*	
04 01 20 41-0030		Mechanical Repair Anchors (Helifix® TorkFix) *(04 01 20 41-0001)*		
		Note: Austenitic stainless steel. For stabilizing masonry veneer walls to inner wythes of brick, concrete block, wood studs or steel studs. Includes drilling and patching surface.		
04 01 20 41-0031		304 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix) *(04 01 20 41-0030)*		
04 01 20 41-0032	EA	4-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	10.32	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
04 01 20 41-0033	EA	5-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	11.42	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
04 01 20 41-0034	EA	6-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.52	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
04 01 20 41-0035	EA	7-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.62	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
04 01 20 41-0036	EA	8-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	14.72	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
04 01 20 41-0037	EA	9-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	15.82	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
04 01 20 41-0038	EA	4-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	10.32	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
04 01 20 41-0039	EA	5-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	11.42	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
04 01 20 41-0040	EA	6-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.52	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
04 01 20 41-0041	EA	7-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.62	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
04 01 20 41-0042	EA	8-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	14.72	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
04 01 20 41-0043	EA	10-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	16.92	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
04 01 20 41-0044	EA	4-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	10.32	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
04 01 20 41-0045	EA	6-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	12.52	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
04 01 20 41-0046	EA	8" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	14.17	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0047		316 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix) *(04 01 20 41-0030)*		
04 01 20 41-0048	EA	4-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	10.32	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
04 01 20 41-0049	EA	5-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	11.42	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
04 01 20 41-0050	EA	6-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.52	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
04 01 20 41-0051	EA	7-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.62	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
04 01 20 41-0052	EA	8-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	14.72	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
04 01 20 41-0053	EA	9-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	15.82	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
04 01 20 41-0054	EA	4-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	10.32	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
04 01 20 41-0055	EA	5-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	11.42	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
04 01 20 41-0056	EA	6-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.52	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
04 01 20 41-0057	EA	7-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.62	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
04 01 20 41-0058	EA	8-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	14.72	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
04 01 20 41-0059	EA	10-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	16.92	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
04 01 20 41-0060	EA	4-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	10.32	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
04 01 20 41-0061	EA	6-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	12.52	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
04 01 20 41-0062	EA	8" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	14.17	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
04 01 20 41-0063		Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) *(04 01 20 41-0001)*		
		Note: Austenitic stainless steel. For pinning stucco, terracotta, granite, marble, etc., to concrete block, brick or solid concrete. Includes drilling and patching surface.		
04 01 20 41-0064		304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) *(04 01 20 41-0063)*		
04 01 20 41-0065	EA	8mm Diameter, 115mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	7.73	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0066	EA	8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.13	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0067	EA	8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.20	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0068	EA	8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.37	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0069	EA	8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.66	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0070	EA	8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.90	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0071	EA	8mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.02	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0072	EA	8mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.17	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0073	EA	8mm Diameter, 325mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.88	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0074	EA	8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.98	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0075	EA	8mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.82	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0076	EA	8mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.54	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0077	EA	8mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.15	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0078	EA	8mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	14.31	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0079	EA	8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	16.23	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0080	EA	8mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	18.78	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0081	EA	10mm Diameter, 125mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	7.87	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0082	EA	10mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.29	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0083	EA	10mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.68	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0084	EA	10mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.02	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0085	EA	10mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.24	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0086	EA	10mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.39	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0087	EA	10mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.65	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0088	EA	10mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.76	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0089	EA	10mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.25	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0090	EA	10mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.96	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0091	EA	10mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.56	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0092	EA	10mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.31	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0093	EA	10mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	16.35	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0094	EA	10mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	18.62	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0095	EA	10mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	22.14	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0096	EA	8mm Tapered To 6.5mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	8.79	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0097	EA	8mm Tapered To 6.5mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	9.05	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0098	EA	8mm Tapered To 6.5mm Diameter, 185mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	9.21	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0099	EA	8mm Tapered To 6.5mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	9.33	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0100	EA	8mm Tapered To 6.5mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	9.68	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0101	EA	8mm Tapered To 6.5mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.24	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0102	EA	8mm Tapered To 6.5mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.45	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0103	EA	8mm Tapered To 6.5mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.01	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0104	EA	10mm Tapered To 8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	9.45	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0105	EA	10mm Tapered To 8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	9.93	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0106	EA	10mm Tapered To 8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.27	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0107	EA	10mm Tapered To 8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.49	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0108	EA	10mm Tapered To 8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.65	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0109	EA	10mm Tapered To 8mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.01	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0110	EA	304 Stainless Steel, Seismic Connector (Helifix® DryFix®) Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.	4.17	
		For Up To 10, Add	*2.22*	
		For >10 To 50, Add	*1.11*	

04 01 20 41-0111 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) *(04 01 20 41-0063)*

04 01 20 41-0112	EA	8mm Diameter, 115mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.36	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0113	EA	8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.85	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0114	EA	8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.95	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0115	EA	8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.15	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0116	EA	8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.51	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0117	EA	8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.81	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0118	EA	8mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.96	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0119	EA	8mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.16	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0120	EA	8mm Diameter, 325mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.89	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0121	EA	8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.02	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0122	EA	8mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.08	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0123	EA	8mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.97	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0124	EA	8mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.74	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0125	EA	8mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	16.43	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0126	EA	8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	18.62	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0127	EA	8mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	21.81	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0128	EA	10mm Diameter, 125mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.61	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0129	EA	10mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.10	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0130	EA	10mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.58	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0131	EA	10mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.01	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0132	EA	10mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.29	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0133	EA	10mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.47	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0134	EA	10mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.79	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0135	EA	10mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.92	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0136	EA	10mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.51	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0137	EA	10mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.31	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0138	EA	10mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.04	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0139	EA	10mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.98	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0140	EA	10mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	19.04	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0141	EA	10mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	21.46	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0142	EA	10mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	25.86	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0143	EA	8mm Tapered To 6.5mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	9.79	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0144	EA	8mm Tapered To 6.5mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.07	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0145	EA	8mm Tapered To 6.5mm Diameter, 185mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.27	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0146	EA	8mm Tapered To 6.5mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.42	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0147	EA	8mm Tapered To 6.5mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.86	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0148	EA	8mm Tapered To 6.5mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.56	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0149	EA	8mm Tapered To 6.5mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.79	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0150	EA	8mm Tapered To 6.5mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.48	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0151	EA	10mm Tapered To 8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.50	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0152	EA	10mm Tapered To 8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.11	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0153	EA	10mm Tapered To 8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.54	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0154	EA	10mm Tapered To 8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.81	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0155	EA	10mm Tapered To 8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.00	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0156	EA	10mm Tapered To 8mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.45	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
		For Metal Stud Clip, Add	*2.34*	
04 01 20 41-0157	EA	316 Stainless Steel, Seismic Connector (Helifix® DryFix®)	4.66	
		Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.		
		For Up To 10, Add	*2.22*	
		For >10 To 50, Add	*1.11*	

04 01 20 41-0158 Concrete Patching Pins (Helifix® PatchPin) *(04 01 20 41-0001)*

Note: Austenitic stainless steel. For patching reinforced concrete. Includes drilling. Excludes patching mortar.

04 01 20 41-0159 304 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin) *(04 01 20 41-0158)*

04 01 20 41-0160	EA	8mm Diameter, 70mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	6.20	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
04 01 20 41-0161	EA	8mm Diameter, 102mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	6.25	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	

04 01 20 41-0162 316 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin) *(04 01 20 41-0158)*

04 01 20 41-0163	EA	8mm Diameter, 70mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	6.54	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	
04 01 20 41-0164	EA	8mm Diameter, 102mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	6.62	
		For Up To 10, Add	*4.44*	
		For >10 To 50, Add	*2.22*	

04 01 20 41-0165 Movement Joint Ties (Helifix® Movement Joint Tie *(04 01 20 41-0001)*

Note: Austenitic stainless steel. For creating movement joints in existing walls. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout.

04 01 20 41-0166 304 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie) *(04 01 20 41-0165)*

04 01 20 41-0167	EA	6mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie)	39.58	
		For Up To 10, Add	*29.58*	
		For >10 To 50, Add	*14.79*	

04 01 20 41-0168 316 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie) *(04 01 20 41-0165)*

04 01 20 41-0169	EA	6mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie)	41.12	
		For Up To 10, Add	*29.58*	
		For >10 To 50, Add	*14.79*	

04 01 20 51 Unit Masonry Maintenance *(04 01 20)*

04 01 20 51-0001 Grind Unit Masonry *(04 01 20 51)*

04 01 20 51-0002	SF	Grind Smooth Masonry Wall	2.80	

04 01 20 52 Unit Masonry Cleaning *(04 01 20)*

04 01 20 52-0001 Cleaning And Repointing Masonry *(04 01 20 52)*

Note: Includes mortar for pointing. Excludes removing mortar.

04 01 20 52-0002	SF	Clean And Repoint Brick Masonry	1.77	
04 01 20 52-0003	SF	Clean And Repoint Concrete Block Masonry	1.16	
04 01 20 52-0004	SF	Clean And Repoint Brick On Historic Buildings	2.30	

04 01 20 91 Unit Masonry Restoration *(04 01 20)*

04 01 20 91-0001 Cut And Repoint Masonry *(04 01 20 91)*

Note: Remove existing mortar to 3/4" depth. Repoint with pointing mortar. Includes pointing mortar, cutting, rinsing and cleaning joint.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 91-0002	SF	Cut And Repoint Brick, Hard Intact Mortar, Running Bond	9.97	
		For Common Bond, Add	*0.28*	
		For Flemish Bond, Add	*0.97*	
		For English Bond, Add	*1.59*	
		For Oversized Or Larger Than Standard, Deduct	*-1.50*	
		For >250 To 1,000, Deduct	*-0.35*	
		For >1,000, Deduct	*-0.85*	
04 01 20 91-0003	SF	Cut And Repoint Brick, Soft, Loose Or Crumbling Mortar, Running Bond	7.56	
		For Common Bond, Add	*0.19*	
		For Flemish Bond, Add	*0.66*	
		For English Bond, Add	*1.08*	
		For Oversized Or Larger Than Standard, Deduct	*-1.13*	
		For >250 To 1,000, Deduct	*-0.24*	
		For >1,000, Deduct	*-0.61*	
04 01 20 91-0004	SF	Cut And Repoint Concrete Block, Hard Intact Mortar, Running Bond	6.14	
		For Common Bond, Add	*0.14*	
		For Oversized Or Larger Than Standard, Deduct	*-0.92*	
		For >250 To 1,000, Deduct	*-0.17*	
		For >1,000, Deduct	*-0.48*	
04 01 20 91-0005	SF	Cut And Repoint Concrete Block, Soft, Loose Or Crumbling Mortar, Running Bond	4.75	
		For Common Bond, Add	*0.09*	
		For Oversized Or Larger Than Standard, Deduct	*-0.71*	
		For >250 To 1,000, Deduct	*-0.12*	
		For >1,000, Deduct	*-0.36*	
04 01 20 91-0006	LF	Cut And Repoint Brick/Block, Irregular Shapes And Other Than Complete SF Area	2.22	

04 01 20 91-0007 Cut And Caulk Masonry *(04 01 20 91)*

Note: Remove existing mortar to 1/2" depth. Replace with caulk. Includes caulk, cutting, rinsing and cleaning joint.

04 01 20 91-0008	LF	Cut And Caulk Masonry, Butyl Caulks	4.32	
		For Vertical Expansion Joint Material, Add	*0.21*	
		For 3/4" Deep Cut, Add	*1.30*	
04 01 20 91-0009	LF	Cut And Caulk Masonry, Polysulfide Or Acrylic Caulks	5.35	
		For Vertical Expansion Joint Material, Add	*0.22*	
		For 3/4" Deep Cut, Add	*1.61*	
04 01 20 91-0010	LF	Cut And Caulk Masonry, Silicone Caulks	6.36	
		For Vertical Expansion Joint Material, Add	*0.26*	
		For 3/4" Deep Cut, Add	*1.91*	

04 01 20 91-0011 Repair Masonry *(04 01 20 91)*

Note: Includes mortar for repair.

04 01 20 91-0012	SF	Patch And Repair Terra Cotta Walls Or Coping, Including Replacement Of Damaged Material	12.81	
04 01 20 91-0013	SF	Patch And Repair Terra Cotta Floors, Including Replacement Of Damaged Material	11.83	
04 01 20 91-0014	LF	Chip And Repair With Masonry Patch, Cracks Up To 1/4"	3.38	
04 01 20 91-0015	SF	Patching Over Masonry Surface With Elastomeric Paint Using A Trowel 6" Blade	5.67	
04 01 20 91-0016	LF	Pressure Grout Block/Brick Using LA City RGA Rule Of General Application 1-91 (Portland Cement Base)	288.04	
04 01 20 91-0017	LF	Pressure Grout Block/Brick Master Builders RHEOCEM 900 (Portland Cement Base)	82.18	
04 01 20 91-0018	LF	Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (SealBoss 1570)	23.43	
		For Cracks Accessible From Both Sides, Add	*4.74*	
04 01 20 91-0019	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (Sikadur® 52)	21.45	
		For Cracks Accessible From Both Sides, Add	*4.74*	
04 01 20 91-0020	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied Trowel (Sikadur® 52)	6.12	
		For V-Grooving Crack With Grinder, Add	*4.50*	
04 01 20 91-0021	LF	>1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied With Trowel (Sikadur® 52)	8.12	
		For V-Grooving Crack With Grinder, Add	*4.27*	

04 01 40 Maintenance of Stone Assemblies *(04 01)*

04 01 40 52 Stone Cleaning *(04 01 40)*

04 01 40 52-0001 Cleaning And Pointing Stone *(04 01 40 52)*

04 01 40 52-0002	SF	Clean And Repoint Limestone On Historic Buildings	1.93	
04 01 40 52-0003	SF	Clean And Repoint Marble, Tile, Stone Or Granite	1.68	

04 01 40 91 Stone Restoration *(04 01 40)*

04 01 40 91-0001 Cut And Repoint *(04 01 40 91)*

04 01 40 91-0002	LF	Cut And Repoint Stone Work	4.39	

04 01 40 91-0003 Repair *(04 01 40 91)*

04 01 40 91-0004	SF	Repair Field Stone Walls, Including Remove Damaged Stones And Reset	29.34	
04 01 40 91-0005	SF	Repair Molded Stone	2.97	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

04 01 40 91-0006 Clean And Patch Existing Stonework *(04 01 40 91)*
Note: Excludes cutting, drilling or anchor bolts if required.

04 01 40 91-0007	SF	Clean And Patch Existing Stonework	3.30

04 01 40 91-0008 Removal Of Deteriorated Stone *(04 01 40 91)*
Note: Includes cutting of stone for removal.

04 01 40 91-0009	SF	Removal Of Deteriorated Stone Note: Does not include material for stone replacement	6.86

04 01 50 Maintenance of Refractory Masonry *(04 01)*

04 01 50 52 Refractory Cleaning *(04 01 50)*

04 01 50 52-0001 Chimney Cleaning *(04 01 50 52)*

04 01 50 52-0002	LF	Up To 2 SF Cross Section Chimney Cleaning	5.47
04 01 50 52-0003	LF	>2 To 4 SF Cross Section Chimney Cleaning	10.92
04 01 50 52-0004	LF	>4 SF Cross Section Chimney Cleaning	16.39

04 05 Common Work Results For Masonry *(04)*

04 05 13 Masonry Mortaring *(04 05)*

04 05 13 26 Engineered Masonry Mortaring *(04 05 13)*
Note: Mortar, sand and standard supplements are included in the cost of brick, block, stone, simulated or synthetic masonry units.

04 05 13 26-0001 Masonry Cement Mortar *(04 05 13 26)*
Note: Ratio is bag material to sand.

04 05 13 26-0002	CF	Type M Masonry Cement 1:1:6 Mix	4.87
04 05 13 26-0003	CF	Type N Masonry Cement 1:3 Mix	4.49
04 05 13 26-0004	CF	Type O Masonry Cement 1:3 Mix	4.61
04 05 13 26-0005	CF	Type PM Masonry Cement 1:1:6 Mix, 2,500 PSI	5.05
04 05 13 26-0006	CF	Type S Masonry Cement 1/2:1:4 Mix	5.33

04 05 13 26-0007 Mortar Admixture *(04 05 13 26)*

04 05 13 26-0008	CF	Water - Repellent Stearate - Cost Based On CF Of Mortar	0.30
04 05 13 26-0009	CF	Pozzolanic Plasticizers - Cost Based On CF Of Mortar	0.06

04 05 13 26-0010 Color Admixtures For Mortar *(04 05 13 26)*
Note: Costs are based on CF of mortar.

04 05 13 26-0011	CF	Buff Colored Admixture	1.88
04 05 13 26-0012	CF	Brown Colored Admixture	2.14
04 05 13 26-0013	CF	Black Colored Admixture	2.64
04 05 13 26-0014	CF	Red Colored Admixture	5.79

04 05 13 26-0015 Portland Cement *(04 05 13 26)*

04 05 13 26-0016	CF	Normal Portland Cement (Type I)	10.03
04 05 13 26-0017	CF	Modified Portland Cement (Type II)	5.00
04 05 13 26-0018	CF	High Early Strength (Type III)	5.31
04 05 13 26-0019	CF	White Non Staining Portland Cement (Type I)	11.12

04 05 16 Masonry Grouting *(04 05)*

04 05 16 26 Engineered Masonry Grouting *(04 05 16)*
Note: Does not include reinforcement.

04 05 16 26-0001 Bond Beams And Lintels, Concrete Fill *(04 05 16 26)*
Note: Excludes block.

04 05 16 26-0002	LF	Grout Beams And Lintels - 6" Block Concrete Fill Only, 0.1125 CF/LF, 8" Deep	3.29
04 05 16 26-0003	LF	Grout Beams And Lintels - 8" Block Concrete Fill Only, 0.20 CF/LF, 8" Deep	3.60
04 05 16 26-0004	LF	Grout Beams And Lintels - 10" Block Concrete Fill Only, 0.25 CF/LF, 8" Deep	4.00
04 05 16 26-0005	LF	Grout Beams And Lintels, 12" Block Concrete Fill Only, 0.30 CF/LF, 8" Deep	4.48

04 05 16 26-0006 Concrete Block Cores, Solid Filled *(04 05 16 26)*
Note: Per SF of face area filled.

04 05 16 26-0007	SF	Grout Concrete Block Cores- 4" Block Concrete Fill Block Solid (0.067 CF/SF)	2.59
04 05 16 26-0008	SF	Grout Concrete Block Cores- 6" Block Concrete Fill Block Solid (0.175 CF/SF)	3.74
04 05 16 26-0009	SF	Grout Concrete Block Cores- 8" Block Concrete Fill Block Solid (0.258 CF/SF)	5.34
04 05 16 26-0010	SF	Grout Concrete Block Cores- 10" Block Concrete Fill Block Solid (0.34 CF/SF)	6.56
04 05 16 26-0011	SF	Grout Concrete Block Cores- 12" Block Concrete Fill Block Solid (0.422 CF/SF)	7.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 16 26-0012		Cavity Walls *(04 05 16 26)*		
		Note: Per SF of face area filled.		
04 05 16 26-0013	SF	Grout Cavity Walls - 2" Space Concrete Fill (0.167 CF/SF)	3.03	
04 05 16 26-0014	SF	Grout Cavity Walls - 3" Space Concrete Fill (0.250 CF/SF)	4.26	
04 05 16 26-0015	SF	Grout Cavity Walls - 4" Space Concrete Fill (0.333 CF/SF)	5.36	
04 05 16 26-0016	SF	Grout Cavity Walls - 6" Space Concrete Fill (0.500 CF/SF)	7.25	
04 05 16 26-0017		Grouting Frames *(04 05 16 26)*		
04 05 16 26-0018	LF	Grout Door Frames - Grout Fill	4.78	
04 05 16 26-0019	LF	Grout Window Frames - Grout Fill	4.08	
04 05 16 26-0020		Sand Filled Walls *(04 05 16 26)*		
04 05 16 26-0021		Cavity Walls Sand Fill Concrete Block *(04 05 16 26-0020)*		
		Note: Per SF of face area filled.		
04 05 16 26-0022	SF	Sand Fill Cavity Walls - 2" Space (0.167 CF/SF)	2.54	
04 05 16 26-0023	SF	Sand Fill Cavity Walls - 3" Space (0.250 CF/SF)	3.51	
04 05 16 26-0024	SF	Sand Fill Cavity Walls - 4" Space (0.333 CF/SF)	4.32	
04 05 16 26-0025	SF	Sand Fill Cavity Walls - 6" Space (0.500 CF/SF)	5.75	

04 05 19 Masonry Anchorage And Reinforcing *(04 05)*

04 05 19 13 Continuous Joint Reinforcing *(04 05 19)*

Note: Includes cutting and bending.

04 05 19 13-0001		Continuous Joint Reinforcing *(04 05 19 13)*		
04 05 19 13-0002		Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0001)*		
04 05 19 13-0003		Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0002)*		
04 05 19 13-0004		9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*		
04 05 19 13-0005	CLF	#4 (For 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	35.83	
		For Class 1 Mill Galvanized, Add	*1.37*	
		For Class 2 Mill Galvanized, Add	*2.06*	
		For Hot-Dipped Galvanized, Add	*3.43*	
		For Stainless Steel, Add	*13.72*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	
04 05 19 13-0006	CLF	#6 (For 6" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	38.14	
		For Class 1 Mill Galvanized, Add	*1.44*	
		For Class 2 Mill Galvanized, Add	*2.16*	
		For Hot-Dipped Galvanized, Add	*3.60*	
		For Stainless Steel, Add	*14.40*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	
04 05 19 13-0007	CLF	#8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	41.35	
		For Class 1 Mill Galvanized, Add	*1.52*	
		For Class 2 Mill Galvanized, Add	*2.28*	
		For Hot-Dipped Galvanized, Add	*3.80*	
		For Stainless Steel, Add	*15.18*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	
04 05 19 13-0008	CLF	#10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	45.16	
		For Class 1 Mill Galvanized, Add	*1.61*	
		For Class 2 Mill Galvanized, Add	*2.41*	
		For Hot-Dipped Galvanized, Add	*4.02*	
		For Stainless Steel, Add	*16.06*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	
04 05 19 13-0009	CLF	#12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	49.72	
		For Class 1 Mill Galvanized, Add	*1.69*	
		For Class 2 Mill Galvanized, Add	*2.54*	
		For Hot-Dipped Galvanized, Add	*4.23*	
		For Stainless Steel, Add	*16.92*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0010	CLF	#13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	53.23	
		For Class 1 Mill Galvanized, Add	*1.73*	
		For Class 2 Mill Galvanized, Add	*2.60*	
		For Hot-Dipped Galvanized, Add	*4.34*	
		For Stainless Steel, Add	*17.34*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	
04 05 19 13-0011	CLF	#14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	55.69	
		For Class 1 Mill Galvanized, Add	*1.78*	
		For Class 2 Mill Galvanized, Add	*2.67*	
		For Hot-Dipped Galvanized, Add	*4.46*	
		For Stainless Steel, Add	*17.82*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	
04 05 19 13-0012	CLF	#16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	62.01	
		For Class 1 Mill Galvanized, Add	*2.45*	
		For Class 2 Mill Galvanized, Add	*3.68*	
		For Hot-Dipped Galvanized, Add	*6.13*	
		For Stainless Steel, Add	*24.50*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	
04 05 19 13-0013	CLF	#18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	71.67	
		For Class 1 Mill Galvanized, Add	*3.79*	
		For Class 2 Mill Galvanized, Add	*5.68*	
		For Hot-Dipped Galvanized, Add	*9.47*	
		For Stainless Steel, Add	*37.88*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	

04 05 19 13-0014 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0015	CLF	#4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	39.63	
		For Class 1 Mill Galvanized, Add	*2.13*	
		For Class 2 Mill Galvanized, Add	*3.20*	
		For Hot-Dipped Galvanized, Add	*5.33*	
		For Stainless Steel, Add	*21.32*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	
04 05 19 13-0016	CLF	#6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	41.99	
		For Class 1 Mill Galvanized, Add	*2.21*	
		For Class 2 Mill Galvanized, Add	*3.32*	
		For Hot-Dipped Galvanized, Add	*5.53*	
		For Stainless Steel, Add	*22.10*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	
04 05 19 13-0017	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	45.24	
		For Class 1 Mill Galvanized, Add	*2.30*	
		For Class 2 Mill Galvanized, Add	*3.44*	
		For Hot-Dipped Galvanized, Add	*5.74*	
		For Stainless Steel, Add	*22.96*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	
04 05 19 13-0018	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	49.01	
		For Class 1 Mill Galvanized, Add	*2.38*	
		For Class 2 Mill Galvanized, Add	*3.56*	
		For Hot-Dipped Galvanized, Add	*5.94*	
		For Stainless Steel, Add	*23.76*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	
04 05 19 13-0019	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	53.56	
		For Class 1 Mill Galvanized, Add	*2.46*	
		For Class 2 Mill Galvanized, Add	*3.69*	
		For Hot-Dipped Galvanized, Add	*6.15*	
		For Stainless Steel, Add	*24.60*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0020	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	57.08	
		For Class 1 Mill Galvanized, Add	*2.51*	
		For Class 2 Mill Galvanized, Add	*3.76*	
		For Hot-Dipped Galvanized, Add	*6.27*	
		For Stainless Steel, Add	*25.06*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	
04 05 19 13-0021	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	59.53	
		For Class 1 Mill Galvanized, Add	*2.55*	
		For Class 2 Mill Galvanized, Add	*3.82*	
		For Hot-Dipped Galvanized, Add	*6.37*	
		For Stainless Steel, Add	*25.48*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	
04 05 19 13-0022	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	67.07	
		For Class 1 Mill Galvanized, Add	*3.46*	
		For Class 2 Mill Galvanized, Add	*5.19*	
		For Hot-Dipped Galvanized, Add	*8.66*	
		For Stainless Steel, Add	*34.62*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	
04 05 19 13-0023	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	80.34	
		For Class 1 Mill Galvanized, Add	*5.52*	
		For Class 2 Mill Galvanized, Add	*8.29*	
		For Hot-Dipped Galvanized, Add	*13.81*	
		For Stainless Steel, Add	*55.24*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	

04 05 19 13-0024 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0025	CLF	#4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	43.31	
		For Class 1 Mill Galvanized, Add	*2.87*	
		For Class 2 Mill Galvanized, Add	*4.30*	
		For Hot-Dipped Galvanized, Add	*7.17*	
		For Stainless Steel, Add	*28.68*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	
04 05 19 13-0026	CLF	#6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	46.33	
		For Class 1 Mill Galvanized, Add	*3.03*	
		For Class 2 Mill Galvanized, Add	*4.54*	
		For Hot-Dipped Galvanized, Add	*7.57*	
		For Stainless Steel, Add	*30.26*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	
04 05 19 13-0027	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	49.35	
		For Class 1 Mill Galvanized, Add	*3.18*	
		For Class 2 Mill Galvanized, Add	*4.78*	
		For Hot-Dipped Galvanized, Add	*7.96*	
		For Stainless Steel, Add	*31.84*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	
04 05 19 13-0028	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	53.99	
		For Class 1 Mill Galvanized, Add	*3.37*	
		For Class 2 Mill Galvanized, Add	*5.06*	
		For Hot-Dipped Galvanized, Add	*8.43*	
		For Stainless Steel, Add	*33.72*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	
04 05 19 13-0029	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	58.65	
		For Class 1 Mill Galvanized, Add	*3.56*	
		For Class 2 Mill Galvanized, Add	*5.34*	
		For Hot-Dipped Galvanized, Add	*8.90*	
		For Stainless Steel, Add	*35.60*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0030	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	62.86	
		For Class 1 Mill Galvanized, Add	*3.66*	
		For Class 2 Mill Galvanized, Add	*5.49*	
		For Hot-Dipped Galvanized, Add	*9.15*	
		For Stainless Steel, Add	*36.60*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	
04 05 19 13-0031	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	65.15	
		For Class 1 Mill Galvanized, Add	*3.75*	
		For Class 2 Mill Galvanized, Add	*5.62*	
		For Hot-Dipped Galvanized, Add	*9.37*	
		For Stainless Steel, Add	*37.46*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	
04 05 19 13-0032	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	69.36	
		For Class 1 Mill Galvanized, Add	*3.92*	
		For Class 2 Mill Galvanized, Add	*5.88*	
		For Hot-Dipped Galvanized, Add	*9.80*	
		For Stainless Steel, Add	*39.18*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	
04 05 19 13-0033	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	85.28	
		For Class 1 Mill Galvanized, Add	*6.51*	
		For Class 2 Mill Galvanized, Add	*9.77*	
		For Hot-Dipped Galvanized, Add	*16.28*	
		For Stainless Steel, Add	*65.10*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	

04 05 19 13-0034 Ladder-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0002)*

04 05 19 13-0035 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0034)*

04 05 19 13-0036	CLF	#8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	49.26	
		For Class 1 Mill Galvanized, Add	*2.33*	
		For Class 2 Mill Galvanized, Add	*3.50*	
		For Hot-Dipped Galvanized, Add	*5.83*	
		For Stainless Steel, Add	*23.32*	
		For Cavity Drip, Add	*0.50*	
04 05 19 13-0037	CLF	#10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	54.51	
		For Class 1 Mill Galvanized, Add	*2.55*	
		For Class 2 Mill Galvanized, Add	*3.82*	
		For Hot-Dipped Galvanized, Add	*6.37*	
		For Stainless Steel, Add	*25.46*	
		For Cavity Drip, Add	*0.50*	
04 05 19 13-0038	CLF	#12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	59.63	
		For Class 1 Mill Galvanized, Add	*2.73*	
		For Class 2 Mill Galvanized, Add	*4.10*	
		For Hot-Dipped Galvanized, Add	*6.84*	
		For Stainless Steel, Add	*27.34*	
		For Cavity Drip, Add	*0.50*	
04 05 19 13-0039	CLF	#13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	64.36	
		For Class 1 Mill Galvanized, Add	*2.84*	
		For Class 2 Mill Galvanized, Add	*4.27*	
		For Hot-Dipped Galvanized, Add	*7.11*	
		For Stainless Steel, Add	*28.44*	
		For Cavity Drip, Add	*0.50*	
04 05 19 13-0040	CLF	#14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	66.95	
		For Class 1 Mill Galvanized, Add	*2.94*	
		For Class 2 Mill Galvanized, Add	*4.42*	
		For Hot-Dipped Galvanized, Add	*7.36*	
		For Stainless Steel, Add	*29.44*	
		For Cavity Drip, Add	*0.50*	
04 05 19 13-0041	CLF	#16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	71.82	
		For Class 1 Mill Galvanized, Add	*3.17*	
		For Class 2 Mill Galvanized, Add	*4.75*	
		For Hot-Dipped Galvanized, Add	*7.92*	
		For Stainless Steel, Add	*31.68*	
		For Cavity Drip, Add	*0.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0042	CLF	#18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	76.10	
		For Class 1 Mill Galvanized, Add	*3.35*	
		For Class 2 Mill Galvanized, Add	*5.03*	
		For Hot-Dipped Galvanized, Add	*8.39*	
		For Stainless Steel, Add	*33.54*	
		For Cavity Drip, Add	*0.50*	

04 05 19 13-0043 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0034)*

04 05 19 13-0044	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	53.99	
		For Class 1 Mill Galvanized, Add	*3.28*	
		For Class 2 Mill Galvanized, Add	*4.92*	
		For Hot-Dipped Galvanized, Add	*8.20*	
		For Stainless Steel, Add	*32.78*	
		For Cavity Drip, Add	*0.50*	
04 05 19 13-0045	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	59.25	
		For Class 1 Mill Galvanized, Add	*3.49*	
		For Class 2 Mill Galvanized, Add	*5.24*	
		For Hot-Dipped Galvanized, Add	*8.74*	
		For Stainless Steel, Add	*34.94*	
		For Cavity Drip, Add	*0.50*	
04 05 19 13-0046	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	64.32	
		For Class 1 Mill Galvanized, Add	*3.67*	
		For Class 2 Mill Galvanized, Add	*5.51*	
		For Hot-Dipped Galvanized, Add	*9.18*	
		For Stainless Steel, Add	*36.72*	
		For Cavity Drip, Add	*0.50*	
04 05 19 13-0047	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	69.10	
		For Class 1 Mill Galvanized, Add	*3.79*	
		For Class 2 Mill Galvanized, Add	*5.69*	
		For Hot-Dipped Galvanized, Add	*9.48*	
		For Stainless Steel, Add	*37.92*	
		For Cavity Drip, Add	*0.50*	
04 05 19 13-0048	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	71.69	
		For Class 1 Mill Galvanized, Add	*3.89*	
		For Class 2 Mill Galvanized, Add	*5.84*	
		For Hot-Dipped Galvanized, Add	*9.73*	
		For Stainless Steel, Add	*38.92*	
		For Cavity Drip, Add	*0.50*	
04 05 19 13-0049	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	76.56	
		For Class 1 Mill Galvanized, Add	*4.12*	
		For Class 2 Mill Galvanized, Add	*6.17*	
		For Hot-Dipped Galvanized, Add	*10.29*	
		For Stainless Steel, Add	*41.16*	
		For Cavity Drip, Add	*0.50*	
04 05 19 13-0050	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	80.90	
		For Class 1 Mill Galvanized, Add	*4.31*	
		For Class 2 Mill Galvanized, Add	*6.47*	
		For Hot-Dipped Galvanized, Add	*10.79*	
		For Stainless Steel, Add	*43.14*	
		For Cavity Drip, Add	*0.50*	

04 05 19 13-0051 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0034)*

04 05 19 13-0052	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	56.29	
		For Class 1 Mill Galvanized, Add	*3.74*	
		For Class 2 Mill Galvanized, Add	*5.61*	
		For Hot-Dipped Galvanized, Add	*9.35*	
		For Stainless Steel, Add	*37.38*	
		For Cavity Drip, Add	*0.50*	
04 05 19 13-0053	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	62.10	
		For Class 1 Mill Galvanized, Add	*4.06*	
		For Class 2 Mill Galvanized, Add	*6.10*	
		For Hot-Dipped Galvanized, Add	*10.16*	
		For Stainless Steel, Add	*40.64*	
		For Cavity Drip, Add	*0.50*	
04 05 19 13-0054	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	67.87	
		For Class 1 Mill Galvanized, Add	*4.38*	
		For Class 2 Mill Galvanized, Add	*6.57*	
		For Hot-Dipped Galvanized, Add	*10.96*	
		For Stainless Steel, Add	*43.82*	
		For Cavity Drip, Add	*0.50*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0055	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	72.90	
		For Class 1 Mill Galvanized, Add	*4.55*	
		For Class 2 Mill Galvanized, Add	*6.83*	
		For Hot-Dipped Galvanized, Add	*11.38*	
		For Stainless Steel, Add	*45.52*	
		For Cavity Drip, Add	*0.50*	
04 05 19 13-0056	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	75.77	
		For Class 1 Mill Galvanized, Add	*4.71*	
		For Class 2 Mill Galvanized, Add	*7.06*	
		For Hot-Dipped Galvanized, Add	*11.77*	
		For Stainless Steel, Add	*47.08*	
		For Cavity Drip, Add	*0.50*	
04 05 19 13-0057	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	81.18	
		For Class 1 Mill Galvanized, Add	*5.04*	
		For Class 2 Mill Galvanized, Add	*7.56*	
		For Hot-Dipped Galvanized, Add	*12.60*	
		For Stainless Steel, Add	*50.40*	
		For Cavity Drip, Add	*0.50*	
04 05 19 13-0058	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	86.16	
		For Class 1 Mill Galvanized, Add	*5.37*	
		For Class 2 Mill Galvanized, Add	*8.05*	
		For Hot-Dipped Galvanized, Add	*13.42*	
		For Stainless Steel, Add	*53.66*	
		For Cavity Drip, Add	*0.50*	

04 05 19 13-0059 Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0002)*

04 05 19 13-0060 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0059)*

04 05 19 13-0061	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	62.00	
		For Class 1 Mill Galvanized, Add	*4.88*	
		For Class 2 Mill Galvanized, Add	*7.32*	
		For Hot-Dipped Galvanized, Add	*12.20*	
		For Stainless Steel, Add	*48.80*	
04 05 19 13-0062	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	66.93	
		For Class 1 Mill Galvanized, Add	*5.03*	
		For Class 2 Mill Galvanized, Add	*7.55*	
		For Hot-Dipped Galvanized, Add	*12.58*	
		For Stainless Steel, Add	*50.30*	
04 05 19 13-0063	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	71.86	
		For Class 1 Mill Galvanized, Add	*5.18*	
		For Class 2 Mill Galvanized, Add	*7.77*	
		For Hot-Dipped Galvanized, Add	*12.95*	
		For Stainless Steel, Add	*51.80*	
04 05 19 13-0064	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	78.97	
		For Class 1 Mill Galvanized, Add	*5.35*	
		For Class 2 Mill Galvanized, Add	*8.02*	
		For Hot-Dipped Galvanized, Add	*13.37*	
		For Stainless Steel, Add	*53.48*	
04 05 19 13-0065	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	83.56	
		For Class 1 Mill Galvanized, Add	*5.52*	
		For Class 2 Mill Galvanized, Add	*8.27*	
		For Hot-Dipped Galvanized, Add	*13.79*	
		For Stainless Steel, Add	*55.16*	
04 05 19 13-0066	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	88.19	
		For Class 1 Mill Galvanized, Add	*5.77*	
		For Class 2 Mill Galvanized, Add	*8.66*	
		For Hot-Dipped Galvanized, Add	*14.43*	
		For Stainless Steel, Add	*57.72*	

04 05 19 13-0067 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0059)*

04 05 19 13-0068	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	69.43	
		For Class 1 Mill Galvanized, Add	*6.37*	
		For Class 2 Mill Galvanized, Add	*9.55*	
		For Hot-Dipped Galvanized, Add	*15.92*	
		For Stainless Steel, Add	*63.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0069	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	74.36	
		For Class 1 Mill Galvanized, Add	*6.52*	
		For Class 2 Mill Galvanized, Add	*9.77*	
		For Hot-Dipped Galvanized, Add	*16.29*	
		For Stainless Steel, Add	*65.16*	
04 05 19 13-0070	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	79.39	
		For Class 1 Mill Galvanized, Add	*6.69*	
		For Class 2 Mill Galvanized, Add	*10.03*	
		For Hot-Dipped Galvanized, Add	*16.72*	
		For Stainless Steel, Add	*66.86*	
04 05 19 13-0071	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	86.41	
		For Class 1 Mill Galvanized, Add	*6.84*	
		For Class 2 Mill Galvanized, Add	*10.25*	
		For Hot-Dipped Galvanized, Add	*17.09*	
		For Stainless Steel, Add	*68.36*	
04 05 19 13-0072	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	91.01	
		For Class 1 Mill Galvanized, Add	*7.01*	
		For Class 2 Mill Galvanized, Add	*10.51*	
		For Hot-Dipped Galvanized, Add	*17.52*	
		For Stainless Steel, Add	*70.06*	
04 05 19 13-0073	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	95.21	
		For Class 1 Mill Galvanized, Add	*7.18*	
		For Class 2 Mill Galvanized, Add	*10.76*	
		For Hot-Dipped Galvanized, Add	*17.94*	
		For Stainless Steel, Add	*71.76*	

04 05 19 13-0074 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0059)*

04 05 19 13-0075	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	69.97	
		For Class 1 Mill Galvanized, Add	*6.47*	
		For Class 2 Mill Galvanized, Add	*9.71*	
		For Hot-Dipped Galvanized, Add	*16.19*	
		For Stainless Steel, Add	*64.74*	
04 05 19 13-0076	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	75.32	
		For Class 1 Mill Galvanized, Add	*6.71*	
		For Class 2 Mill Galvanized, Add	*10.06*	
		For Hot-Dipped Galvanized, Add	*16.77*	
		For Stainless Steel, Add	*67.08*	
04 05 19 13-0077	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	80.65	
		For Class 1 Mill Galvanized, Add	*6.94*	
		For Class 2 Mill Galvanized, Add	*10.41*	
		For Hot-Dipped Galvanized, Add	*17.35*	
		For Stainless Steel, Add	*69.38*	
04 05 19 13-0078	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	88.32	
		For Class 1 Mill Galvanized, Add	*7.22*	
		For Class 2 Mill Galvanized, Add	*10.83*	
		For Hot-Dipped Galvanized, Add	*18.05*	
		For Stainless Steel, Add	*72.18*	
04 05 19 13-0079	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	93.45	
		For Class 1 Mill Galvanized, Add	*7.49*	
		For Class 2 Mill Galvanized, Add	*11.24*	
		For Hot-Dipped Galvanized, Add	*18.74*	
		For Stainless Steel, Add	*74.94*	
04 05 19 13-0080	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	98.18	
		For Class 1 Mill Galvanized, Add	*7.77*	
		For Class 2 Mill Galvanized, Add	*11.66*	
		For Hot-Dipped Galvanized, Add	*19.43*	
		For Stainless Steel, Add	*77.70*	

04 05 19 13-0081 Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0002)*

04 05 19 13-0082 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0081)*

04 05 19 13-0083	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	67.57	
		For Class 1 Mill Galvanized, Add	*5.16*	
		For Class 2 Mill Galvanized, Add	*7.74*	
		For Hot-Dipped Galvanized, Add	*12.90*	
		For Stainless Steel, Add	*51.58*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0084	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	72.48	
		For Class 1 Mill Galvanized, Add	*5.30*	
		For Class 2 Mill Galvanized, Add	*7.96*	
		For Hot-Dipped Galvanized, Add	*13.26*	
		For Stainless Steel, Add	*53.04*	
04 05 19 13-0085	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	79.49	
		For Class 1 Mill Galvanized, Add	*5.45*	
		For Class 2 Mill Galvanized, Add	*8.18*	
		For Hot-Dipped Galvanized, Add	*13.63*	
		For Stainless Steel, Add	*54.52*	
04 05 19 13-0086	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	84.11	
		For Class 1 Mill Galvanized, Add	*5.63*	
		For Class 2 Mill Galvanized, Add	*8.44*	
		For Hot-Dipped Galvanized, Add	*14.07*	
		For Stainless Steel, Add	*56.26*	
04 05 19 13-0087	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	88.30	
		For Class 1 Mill Galvanized, Add	*5.79*	
		For Class 2 Mill Galvanized, Add	*8.69*	
		For Hot-Dipped Galvanized, Add	*14.49*	
		For Stainless Steel, Add	*57.94*	
04 05 19 13-0088	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	92.31	
		For Class 1 Mill Galvanized, Add	*6.13*	
		For Class 2 Mill Galvanized, Add	*9.20*	
		For Hot-Dipped Galvanized, Add	*15.33*	
		For Stainless Steel, Add	*61.32*	

04 05 19 13-0089 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0081)*

04 05 19 13-0090	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	75.00	
		For Class 1 Mill Galvanized, Add	*6.64*	
		For Class 2 Mill Galvanized, Add	*9.97*	
		For Hot-Dipped Galvanized, Add	*16.61*	
		For Stainless Steel, Add	*66.44*	
04 05 19 13-0091	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	79.93	
		For Class 1 Mill Galvanized, Add	*6.79*	
		For Class 2 Mill Galvanized, Add	*10.19*	
		For Hot-Dipped Galvanized, Add	*16.99*	
		For Stainless Steel, Add	*67.94*	
04 05 19 13-0092	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	87.04	
		For Class 1 Mill Galvanized, Add	*6.96*	
		For Class 2 Mill Galvanized, Add	*10.44*	
		For Hot-Dipped Galvanized, Add	*17.41*	
		For Stainless Steel, Add	*69.62*	
04 05 19 13-0093	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	91.53	
		For Class 1 Mill Galvanized, Add	*7.11*	
		For Class 2 Mill Galvanized, Add	*10.67*	
		For Hot-Dipped Galvanized, Add	*17.78*	
		For Stainless Steel, Add	*71.10*	
04 05 19 13-0094	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	95.73	
		For Class 1 Mill Galvanized, Add	*7.28*	
		For Class 2 Mill Galvanized, Add	*10.92*	
		For Hot-Dipped Galvanized, Add	*18.20*	
		For Stainless Steel, Add	*72.80*	
04 05 19 13-0095	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	99.84	
		For Class 1 Mill Galvanized, Add	*7.64*	
		For Class 2 Mill Galvanized, Add	*11.46*	
		For Hot-Dipped Galvanized, Add	*19.10*	
		For Stainless Steel, Add	*76.38*	

04 05 19 13-0096 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0081)*

04 05 19 13-0097	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	75.53	
		For Class 1 Mill Galvanized, Add	*6.75*	
		For Class 2 Mill Galvanized, Add	*10.13*	
		For Hot-Dipped Galvanized, Add	*16.88*	
		For Stainless Steel, Add	*67.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0098	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	80.87	
		For Class 1 Mill Galvanized, Add	*6.98*	
		For Class 2 Mill Galvanized, Add	*10.47*	
		For Hot-Dipped Galvanized, Add	*17.46*	
		For Stainless Steel, Add	*69.82*	
04 05 19 13-0099	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	88.32	
		For Class 1 Mill Galvanized, Add	*7.22*	
		For Class 2 Mill Galvanized, Add	*10.83*	
		For Hot-Dipped Galvanized, Add	*18.05*	
		For Stainless Steel, Add	*72.18*	
04 05 19 13-0100	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	93.45	
		For Class 1 Mill Galvanized, Add	*7.49*	
		For Class 2 Mill Galvanized, Add	*11.24*	
		For Hot-Dipped Galvanized, Add	*18.74*	
		For Stainless Steel, Add	*74.94*	
04 05 19 13-0101	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	98.18	
		For Class 1 Mill Galvanized, Add	*7.77*	
		For Class 2 Mill Galvanized, Add	*11.66*	
		For Hot-Dipped Galvanized, Add	*19.43*	
		For Stainless Steel, Add	*77.70*	
04 05 19 13-0102	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	102.47	
		For Class 1 Mill Galvanized, Add	*8.16*	
		For Class 2 Mill Galvanized, Add	*12.25*	
		For Hot-Dipped Galvanized, Add	*20.41*	
		For Stainless Steel, Add	*81.64*	

04 05 19 13-0103 Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0002)*

04 05 19 13-0104 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0103)*

04 05 19 13-0105	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	65.12	
		For Class 1 Mill Galvanized, Add	*4.67*	
		For Class 2 Mill Galvanized, Add	*7.00*	
		For Hot-Dipped Galvanized, Add	*11.67*	
		For Stainless Steel, Add	*46.68*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0106	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	69.91	
		For Class 1 Mill Galvanized, Add	*4.79*	
		For Class 2 Mill Galvanized, Add	*7.19*	
		For Hot-Dipped Galvanized, Add	*11.98*	
		For Stainless Steel, Add	*47.90*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0107	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	76.83	
		For Class 1 Mill Galvanized, Add	*4.92*	
		For Class 2 Mill Galvanized, Add	*7.38*	
		For Hot-Dipped Galvanized, Add	*12.30*	
		For Stainless Steel, Add	*49.20*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0108	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	81.27	
		For Class 1 Mill Galvanized, Add	*5.06*	
		For Class 2 Mill Galvanized, Add	*7.59*	
		For Hot-Dipped Galvanized, Add	*12.65*	
		For Stainless Steel, Add	*50.58*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0109	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	85.35	
		For Class 1 Mill Galvanized, Add	*5.20*	
		For Class 2 Mill Galvanized, Add	*7.81*	
		For Hot-Dipped Galvanized, Add	*13.01*	
		For Stainless Steel, Add	*52.04*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0110	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	88.32	
		For Class 1 Mill Galvanized, Add	*5.33*	
		For Class 2 Mill Galvanized, Add	*8.00*	
		For Hot-Dipped Galvanized, Add	*13.34*	
		For Stainless Steel, Add	*53.34*	
		For Seismic Hook And Eye, Add	*27.50*	

04 05 19 13-0111 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0103)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0112	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	72.09	
		For Class 1 Mill Galvanized, Add	*6.06*	
		For Class 2 Mill Galvanized, Add	*9.09*	
		For Hot-Dipped Galvanized, Add	*15.16*	
		For Stainless Steel, Add	*60.62*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0113	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	76.75	
		For Class 1 Mill Galvanized, Add	*6.16*	
		For Class 2 Mill Galvanized, Add	*9.24*	
		For Hot-Dipped Galvanized, Add	*15.40*	
		For Stainless Steel, Add	*61.58*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0114	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	83.69	
		For Class 1 Mill Galvanized, Add	*6.29*	
		For Class 2 Mill Galvanized, Add	*9.44*	
		For Hot-Dipped Galvanized, Add	*15.73*	
		For Stainless Steel, Add	*62.92*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0115	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	88.09	
		For Class 1 Mill Galvanized, Add	*6.42*	
		For Class 2 Mill Galvanized, Add	*9.63*	
		For Hot-Dipped Galvanized, Add	*16.06*	
		For Stainless Steel, Add	*64.22*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0116	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	92.09	
		For Class 1 Mill Galvanized, Add	*6.55*	
		For Class 2 Mill Galvanized, Add	*9.83*	
		For Hot-Dipped Galvanized, Add	*16.38*	
		For Stainless Steel, Add	*65.52*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0117	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	95.82	
		For Class 1 Mill Galvanized, Add	*6.83*	
		For Class 2 Mill Galvanized, Add	*10.25*	
		For Hot-Dipped Galvanized, Add	*17.09*	
		For Stainless Steel, Add	*68.34*	
		For Seismic Hook And Eye, Add	*27.50*	

04 05 19 13-0118 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0103)*

04 05 19 13-0119	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	72.61	
		For Class 1 Mill Galvanized, Add	*6.17*	
		For Class 2 Mill Galvanized, Add	*9.25*	
		For Hot-Dipped Galvanized, Add	*15.42*	
		For Stainless Steel, Add	*61.66*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0120	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	77.90	
		For Class 1 Mill Galvanized, Add	*6.39*	
		For Class 2 Mill Galvanized, Add	*9.58*	
		For Hot-Dipped Galvanized, Add	*15.97*	
		For Stainless Steel, Add	*63.88*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0121	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	85.27	
		For Class 1 Mill Galvanized, Add	*6.61*	
		For Class 2 Mill Galvanized, Add	*9.91*	
		For Hot-Dipped Galvanized, Add	*16.52*	
		For Stainless Steel, Add	*66.08*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0122	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	90.35	
		For Class 1 Mill Galvanized, Add	*6.87*	
		For Class 2 Mill Galvanized, Add	*10.31*	
		For Hot-Dipped Galvanized, Add	*17.19*	
		For Stainless Steel, Add	*68.74*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0123	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	95.02	
		For Class 1 Mill Galvanized, Add	*7.14*	
		For Class 2 Mill Galvanized, Add	*10.71*	
		For Hot-Dipped Galvanized, Add	*17.85*	
		For Stainless Steel, Add	*71.38*	
		For Seismic Hook And Eye, Add	*27.50*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0124	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	98.65	
		For Class 1 Mill Galvanized, Add	*7.40*	
		For Class 2 Mill Galvanized, Add	*11.10*	
		For Hot-Dipped Galvanized, Add	*18.50*	
		For Stainless Steel, Add	*74.00*	
		For Seismic Hook And Eye, Add	*27.50*	

04 05 19 13-0125 Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0002)*

04 05 19 13-0126 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0125)*

04 05 19 13-0127	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	70.69	
		For Class 1 Mill Galvanized, Add	*4.95*	
		For Class 2 Mill Galvanized, Add	*7.42*	
		For Hot-Dipped Galvanized, Add	*12.37*	
		For Stainless Steel, Add	*49.46*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0128	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	77.56	
		For Class 1 Mill Galvanized, Add	*5.07*	
		For Class 2 Mill Galvanized, Add	*7.60*	
		For Hot-Dipped Galvanized, Add	*12.67*	
		For Stainless Steel, Add	*50.66*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0129	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	81.90	
		For Class 1 Mill Galvanized, Add	*5.18*	
		For Class 2 Mill Galvanized, Add	*7.78*	
		For Hot-Dipped Galvanized, Add	*12.96*	
		For Stainless Steel, Add	*51.84*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0130	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	86.02	
		For Class 1 Mill Galvanized, Add	*5.34*	
		For Class 2 Mill Galvanized, Add	*8.01*	
		For Hot-Dipped Galvanized, Add	*13.35*	
		For Stainless Steel, Add	*53.38*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0131	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	89.03	
		For Class 1 Mill Galvanized, Add	*5.48*	
		For Class 2 Mill Galvanized, Add	*8.21*	
		For Hot-Dipped Galvanized, Add	*13.69*	
		For Stainless Steel, Add	*54.76*	
		For Seismic Hook And Eye, Add	*27.50*	

04 05 19 13-0132 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0125)*

04 05 19 13-0133	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	77.41	
		For Class 1 Mill Galvanized, Add	*6.29*	
		For Class 2 Mill Galvanized, Add	*9.44*	
		For Hot-Dipped Galvanized, Add	*15.73*	
		For Stainless Steel, Add	*62.90*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0134	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	84.33	
		For Class 1 Mill Galvanized, Add	*6.42*	
		For Class 2 Mill Galvanized, Add	*9.63*	
		For Hot-Dipped Galvanized, Add	*16.05*	
		For Stainless Steel, Add	*64.20*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0135	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	88.77	
		For Class 1 Mill Galvanized, Add	*6.56*	
		For Class 2 Mill Galvanized, Add	*9.84*	
		For Hot-Dipped Galvanized, Add	*16.40*	
		For Stainless Steel, Add	*65.58*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0136	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	92.68	
		For Class 1 Mill Galvanized, Add	*6.67*	
		For Class 2 Mill Galvanized, Add	*10.01*	
		For Hot-Dipped Galvanized, Add	*16.68*	
		For Stainless Steel, Add	*66.70*	
		For Seismic Hook And Eye, Add	*27.50*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0137	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	95.75	
		For Class 1 Mill Galvanized, Add	*6.82*	
		For Class 2 Mill Galvanized, Add	*10.23*	
		For Hot-Dipped Galvanized, Add	*17.05*	
		For Stainless Steel, Add	*68.20*	
		For Seismic Hook And Eye, Add	*27.50*	

04 05 19 13-0138 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0125)*

04 05 19 13-0139	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	78.10	
		For Class 1 Mill Galvanized, Add	*6.43*	
		For Class 2 Mill Galvanized, Add	*9.64*	
		For Hot-Dipped Galvanized, Add	*16.07*	
		For Stainless Steel, Add	*64.28*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0140	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	85.48	
		For Class 1 Mill Galvanized, Add	*6.65*	
		For Class 2 Mill Galvanized, Add	*9.98*	
		For Hot-Dipped Galvanized, Add	*16.63*	
		For Stainless Steel, Add	*66.50*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0141	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	90.35	
		For Class 1 Mill Galvanized, Add	*6.87*	
		For Class 2 Mill Galvanized, Add	*10.31*	
		For Hot-Dipped Galvanized, Add	*17.19*	
		For Stainless Steel, Add	*68.74*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0142	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	95.02	
		For Class 1 Mill Galvanized, Add	*7.14*	
		For Class 2 Mill Galvanized, Add	*10.71*	
		For Hot-Dipped Galvanized, Add	*17.85*	
		For Stainless Steel, Add	*71.38*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0143	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	98.65	
		For Class 1 Mill Galvanized, Add	*7.40*	
		For Class 2 Mill Galvanized, Add	*11.10*	
		For Hot-Dipped Galvanized, Add	*18.50*	
		For Stainless Steel, Add	*74.00*	
		For Seismic Hook And Eye, Add	*27.50*	

04 05 19 13-0144 Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0001)*

04 05 19 13-0145 Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0144)*

04 05 19 13-0146 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0145)*

04 05 19 13-0147	CLF	#4 (For 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	38.69	
		For Class 1 Mill Galvanized, Add	*1.94*	
		For Class 2 Mill Galvanized, Add	*2.92*	
		For Hot-Dipped Galvanized, Add	*4.86*	
		For Stainless Steel, Add	*19.44*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	
04 05 19 13-0148	CLF	#6 (For 6" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	40.77	
		For Class 1 Mill Galvanized, Add	*1.97*	
		For Class 2 Mill Galvanized, Add	*2.95*	
		For Hot-Dipped Galvanized, Add	*4.92*	
		For Stainless Steel, Add	*19.66*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	
04 05 19 13-0149	CLF	#8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	43.98	
		For Class 1 Mill Galvanized, Add	*2.04*	
		For Class 2 Mill Galvanized, Add	*3.07*	
		For Hot-Dipped Galvanized, Add	*5.11*	
		For Stainless Steel, Add	*20.44*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0150	CLF	#10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	47.85	
		For Class 1 Mill Galvanized, Add	*2.14*	
		For Class 2 Mill Galvanized, Add	*3.22*	
		For Hot-Dipped Galvanized, Add	*5.36*	
		For Stainless Steel, Add	*21.44*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	
04 05 19 13-0151	CLF	#12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	52.55	
		For Class 1 Mill Galvanized, Add	*2.26*	
		For Class 2 Mill Galvanized, Add	*3.39*	
		For Hot-Dipped Galvanized, Add	*5.65*	
		For Stainless Steel, Add	*22.58*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	
04 05 19 13-0152	CLF	#13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	56.15	
		For Class 1 Mill Galvanized, Add	*2.32*	
		For Class 2 Mill Galvanized, Add	*3.48*	
		For Hot-Dipped Galvanized, Add	*5.80*	
		For Stainless Steel, Add	*23.18*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	
04 05 19 13-0153	CLF	#14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	58.45	
		For Class 1 Mill Galvanized, Add	*2.41*	
		For Class 2 Mill Galvanized, Add	*3.61*	
		For Hot-Dipped Galvanized, Add	*6.02*	
		For Stainless Steel, Add	*24.06*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	
04 05 19 13-0154	CLF	#16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	66.66	
		For Class 1 Mill Galvanized, Add	*3.38*	
		For Class 2 Mill Galvanized, Add	*5.07*	
		For Hot-Dipped Galvanized, Add	*8.45*	
		For Stainless Steel, Add	*33.80*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	
04 05 19 13-0155	CLF	#18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	70.59	
		For Class 1 Mill Galvanized, Add	*3.57*	
		For Class 2 Mill Galvanized, Add	*5.36*	
		For Hot-Dipped Galvanized, Add	*8.94*	
		For Stainless Steel, Add	*35.74*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	
04 05 19 13-0156	CLF	#20 (For 20" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	87.36	
		For Class 1 Mill Galvanized, Add	*6.18*	
		For Class 2 Mill Galvanized, Add	*9.27*	
		For Hot-Dipped Galvanized, Add	*15.46*	
		For Stainless Steel, Add	*61.82*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	

04 05 19 13-0157 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0145)*

04 05 19 13-0158	CLF	#4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	42.45	
		For Class 1 Mill Galvanized, Add	*2.70*	
		For Class 2 Mill Galvanized, Add	*4.04*	
		For Hot-Dipped Galvanized, Add	*6.74*	
		For Stainless Steel, Add	*26.96*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	
04 05 19 13-0159	CLF	#6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	44.61	
		For Class 1 Mill Galvanized, Add	*2.73*	
		For Class 2 Mill Galvanized, Add	*4.10*	
		For Hot-Dipped Galvanized, Add	*6.84*	
		For Stainless Steel, Add	*27.34*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0160	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	47.82	
		For Class 1 Mill Galvanized, Add	*2.81*	
		For Class 2 Mill Galvanized, Add	*4.22*	
		For Hot-Dipped Galvanized, Add	*7.03*	
		For Stainless Steel, Add	*28.12*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	
04 05 19 13-0161	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	51.68	
		For Class 1 Mill Galvanized, Add	*2.91*	
		For Class 2 Mill Galvanized, Add	*4.37*	
		For Hot-Dipped Galvanized, Add	*7.28*	
		For Stainless Steel, Add	*29.10*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	
04 05 19 13-0162	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	56.33	
		For Class 1 Mill Galvanized, Add	*3.01*	
		For Class 2 Mill Galvanized, Add	*4.52*	
		For Hot-Dipped Galvanized, Add	*7.54*	
		For Stainless Steel, Add	*30.14*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	
04 05 19 13-0163	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	59.97	
		For Class 1 Mill Galvanized, Add	*3.08*	
		For Class 2 Mill Galvanized, Add	*4.63*	
		For Hot-Dipped Galvanized, Add	*7.71*	
		For Stainless Steel, Add	*30.84*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	
04 05 19 13-0164	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	62.22	
		For Class 1 Mill Galvanized, Add	*3.16*	
		For Class 2 Mill Galvanized, Add	*4.74*	
		For Hot-Dipped Galvanized, Add	*7.90*	
		For Stainless Steel, Add	*31.60*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	
04 05 19 13-0165	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	71.73	
		For Class 1 Mill Galvanized, Add	*4.39*	
		For Class 2 Mill Galvanized, Add	*6.59*	
		For Hot-Dipped Galvanized, Add	*10.99*	
		For Stainless Steel, Add	*43.94*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	
04 05 19 13-0166	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	75.65	
		For Class 1 Mill Galvanized, Add	*4.59*	
		For Class 2 Mill Galvanized, Add	*6.88*	
		For Hot-Dipped Galvanized, Add	*11.47*	
		For Stainless Steel, Add	*45.86*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	
04 05 19 13-0167	CLF	#20 (For 20" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	96.04	
		For Class 1 Mill Galvanized, Add	*8.66*	
		For Class 2 Mill Galvanized, Add	*13.00*	
		For Hot-Dipped Galvanized, Add	*21.66*	
		For Stainless Steel, Add	*86.64*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	

04 05 19 13-0168 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0145)*

04 05 19 13-0169	CLF	#4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	48.21	
		For Class 1 Mill Galvanized, Add	*3.85*	
		For Class 2 Mill Galvanized, Add	*5.77*	
		For Hot-Dipped Galvanized, Add	*9.62*	
		For Stainless Steel, Add	*38.48*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0170	CLF	#6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	50.68	
		For Class 1 Mill Galvanized, Add	*3.90*	
		For Class 2 Mill Galvanized, Add	*5.84*	
		For Hot-Dipped Galvanized, Add	*9.74*	
		For Stainless Steel, Add	*38.96*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	
04 05 19 13-0171	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	53.62	
		For Class 1 Mill Galvanized, Add	*4.04*	
		For Class 2 Mill Galvanized, Add	*6.06*	
		For Hot-Dipped Galvanized, Add	*10.10*	
		For Stainless Steel, Add	*40.38*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	
04 05 19 13-0172	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	58.30	
		For Class 1 Mill Galvanized, Add	*4.23*	
		For Class 2 Mill Galvanized, Add	*6.35*	
		For Hot-Dipped Galvanized, Add	*10.59*	
		For Stainless Steel, Add	*42.34*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	
04 05 19 13-0173	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	63.24	
		For Class 1 Mill Galvanized, Add	*4.48*	
		For Class 2 Mill Galvanized, Add	*6.72*	
		For Hot-Dipped Galvanized, Add	*11.20*	
		For Stainless Steel, Add	*44.78*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	
04 05 19 13-0174	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	67.50	
		For Class 1 Mill Galvanized, Add	*4.59*	
		For Class 2 Mill Galvanized, Add	*6.88*	
		For Hot-Dipped Galvanized, Add	*11.47*	
		For Stainless Steel, Add	*45.88*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	
04 05 19 13-0175	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	70.19	
		For Class 1 Mill Galvanized, Add	*4.75*	
		For Class 2 Mill Galvanized, Add	*7.13*	
		For Hot-Dipped Galvanized, Add	*11.89*	
		For Stainless Steel, Add	*47.54*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	
04 05 19 13-0176	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	83.14	
		For Class 1 Mill Galvanized, Add	*6.67*	
		For Class 2 Mill Galvanized, Add	*10.01*	
		For Hot-Dipped Galvanized, Add	*16.69*	
		For Stainless Steel, Add	*66.74*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	
04 05 19 13-0177	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	87.99	
		For Class 1 Mill Galvanized, Add	*7.05*	
		For Class 2 Mill Galvanized, Add	*10.58*	
		For Hot-Dipped Galvanized, Add	*17.63*	
		For Stainless Steel, Add	*70.52*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	
04 05 19 13-0178	CLF	#20 (For 20" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	117.41	
		For Class 1 Mill Galvanized, Add	*12.19*	
		For Class 2 Mill Galvanized, Add	*18.29*	
		For Hot-Dipped Galvanized, Add	*30.48*	
		For Stainless Steel, Add	*121.92*	
		For Cavity Drip, Add	*0.50*	
		For 3-Wire, Add	*8.75*	
		For Double Side Rods, Add	*17.50*	

04 05 19 13-0179 Truss-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0144)*

04 05 19 13-0180 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0179)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0181	CLF	#8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	52.84	
		For Class 1 Mill Galvanized, Add	*3.05*	
		For Class 2 Mill Galvanized, Add	*4.57*	
		For Hot-Dipped Galvanized, Add	*7.62*	
		For Stainless Steel, Add	*30.48*	
		For Cavity Drip, Add	*0.50*	
04 05 19 13-0182	CLF	#10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	57.75	
		For Class 1 Mill Galvanized, Add	*3.19*	
		For Class 2 Mill Galvanized, Add	*4.79*	
		For Hot-Dipped Galvanized, Add	*7.99*	
		For Stainless Steel, Add	*31.94*	
		For Cavity Drip, Add	*0.50*	
04 05 19 13-0183	CLF	#12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	62.86	
		For Class 1 Mill Galvanized, Add	*3.38*	
		For Class 2 Mill Galvanized, Add	*5.07*	
		For Hot-Dipped Galvanized, Add	*8.45*	
		For Stainless Steel, Add	*33.80*	
		For Cavity Drip, Add	*0.50*	
04 05 19 13-0184	CLF	#13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	67.69	
		For Class 1 Mill Galvanized, Add	*3.51*	
		For Class 2 Mill Galvanized, Add	*5.27*	
		For Hot-Dipped Galvanized, Add	*8.78*	
		For Stainless Steel, Add	*35.10*	
		For Cavity Drip, Add	*0.50*	
04 05 19 13-0185	CLF	#14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	70.31	
		For Class 1 Mill Galvanized, Add	*3.62*	
		For Class 2 Mill Galvanized, Add	*5.42*	
		For Hot-Dipped Galvanized, Add	*9.04*	
		For Stainless Steel, Add	*36.16*	
		For Cavity Drip, Add	*0.50*	
04 05 19 13-0186	CLF	#16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	75.35	
		For Class 1 Mill Galvanized, Add	*3.87*	
		For Class 2 Mill Galvanized, Add	*5.81*	
		For Hot-Dipped Galvanized, Add	*9.69*	
		For Stainless Steel, Add	*38.74*	
		For Cavity Drip, Add	*0.50*	
04 05 19 13-0187	CLF	#18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	79.99	
		For Class 1 Mill Galvanized, Add	*4.13*	
		For Class 2 Mill Galvanized, Add	*6.20*	
		For Hot-Dipped Galvanized, Add	*10.33*	
		For Stainless Steel, Add	*41.32*	
		For Cavity Drip, Add	*0.50*	

04 05 19 13-0188 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0179)*

04 05 19 13-0189	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	57.58	
		For Class 1 Mill Galvanized, Add	*4.00*	
		For Class 2 Mill Galvanized, Add	*5.99*	
		For Hot-Dipped Galvanized, Add	*9.99*	
		For Stainless Steel, Add	*39.96*	
		For Cavity Drip, Add	*0.50*	
04 05 19 13-0190	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	62.51	
		For Class 1 Mill Galvanized, Add	*4.15*	
		For Class 2 Mill Galvanized, Add	*6.22*	
		For Hot-Dipped Galvanized, Add	*10.37*	
		For Stainless Steel, Add	*41.46*	
		For Cavity Drip, Add	*0.50*	
04 05 19 13-0191	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	67.60	
		For Class 1 Mill Galvanized, Add	*4.33*	
		For Class 2 Mill Galvanized, Add	*6.49*	
		For Hot-Dipped Galvanized, Add	*10.82*	
		For Stainless Steel, Add	*43.28*	
		For Cavity Drip, Add	*0.50*	
04 05 19 13-0192	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	72.43	
		For Class 1 Mill Galvanized, Add	*4.46*	
		For Class 2 Mill Galvanized, Add	*6.69*	
		For Hot-Dipped Galvanized, Add	*11.15*	
		For Stainless Steel, Add	*44.58*	
		For Cavity Drip, Add	*0.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0193	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	75.03	
		For Class 1 Mill Galvanized, Add	*4.56*	
		For Class 2 Mill Galvanized, Add	*6.84*	
		For Hot-Dipped Galvanized, Add	*11.40*	
		For Stainless Steel, Add	*45.60*	
		For Cavity Drip, Add	*0.50*	
04 05 19 13-0194	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	80.08	
		For Class 1 Mill Galvanized, Add	*4.82*	
		For Class 2 Mill Galvanized, Add	*7.23*	
		For Hot-Dipped Galvanized, Add	*12.05*	
		For Stainless Steel, Add	*48.20*	
		For Cavity Drip, Add	*0.50*	
04 05 19 13-0195	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	84.74	
		For Class 1 Mill Galvanized, Add	*5.08*	
		For Class 2 Mill Galvanized, Add	*7.62*	
		For Hot-Dipped Galvanized, Add	*12.71*	
		For Stainless Steel, Add	*50.82*	
		For Cavity Drip, Add	*0.50*	

04 05 19 13-0196 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0179)*

04 05 19 13-0197	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	61.98	
		For Class 1 Mill Galvanized, Add	*4.88*	
		For Class 2 Mill Galvanized, Add	*7.31*	
		For Hot-Dipped Galvanized, Add	*12.19*	
		For Stainless Steel, Add	*48.76*	
		For Cavity Drip, Add	*0.50*	
04 05 19 13-0198	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	67.32	
		For Class 1 Mill Galvanized, Add	*5.11*	
		For Class 2 Mill Galvanized, Add	*7.66*	
		For Hot-Dipped Galvanized, Add	*12.77*	
		For Stainless Steel, Add	*51.08*	
		For Cavity Drip, Add	*0.50*	
04 05 19 13-0199	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	73.08	
		For Class 1 Mill Galvanized, Add	*5.42*	
		For Class 2 Mill Galvanized, Add	*8.14*	
		For Hot-Dipped Galvanized, Add	*13.56*	
		For Stainless Steel, Add	*54.24*	
		For Cavity Drip, Add	*0.50*	
04 05 19 13-0200	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	78.12	
		For Class 1 Mill Galvanized, Add	*5.60*	
		For Class 2 Mill Galvanized, Add	*8.39*	
		For Hot-Dipped Galvanized, Add	*13.99*	
		For Stainless Steel, Add	*55.96*	
		For Cavity Drip, Add	*0.50*	
04 05 19 13-0201	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	81.07	
		For Class 1 Mill Galvanized, Add	*5.77*	
		For Class 2 Mill Galvanized, Add	*8.65*	
		For Hot-Dipped Galvanized, Add	*14.42*	
		For Stainless Steel, Add	*57.68*	
		For Cavity Drip, Add	*0.50*	
04 05 19 13-0202	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	86.77	
		For Class 1 Mill Galvanized, Add	*6.16*	
		For Class 2 Mill Galvanized, Add	*9.24*	
		For Hot-Dipped Galvanized, Add	*15.40*	
		For Stainless Steel, Add	*61.58*	
		For Cavity Drip, Add	*0.50*	
04 05 19 13-0203	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	91.72	
		For Class 1 Mill Galvanized, Add	*6.48*	
		For Class 2 Mill Galvanized, Add	*9.72*	
		For Hot-Dipped Galvanized, Add	*16.20*	
		For Stainless Steel, Add	*64.78*	
		For Cavity Drip, Add	*0.50*	

04 05 19 13-0204 Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0144)*

04 05 19 13-0205 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0204)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0206	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	67.63	
		For Class 1 Mill Galvanized, Add	*6.01*	
		For Class 2 Mill Galvanized, Add	*9.01*	
		For Hot-Dipped Galvanized, Add	*15.02*	
		For Stainless Steel, Add	*60.06*	
04 05 19 13-0207	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	72.02	
		For Class 1 Mill Galvanized, Add	*6.05*	
		For Class 2 Mill Galvanized, Add	*9.07*	
		For Hot-Dipped Galvanized, Add	*15.12*	
		For Stainless Steel, Add	*60.48*	
04 05 19 13-0208	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	76.94	
		For Class 1 Mill Galvanized, Add	*6.20*	
		For Class 2 Mill Galvanized, Add	*9.29*	
		For Hot-Dipped Galvanized, Add	*15.49*	
		For Stainless Steel, Add	*61.96*	
04 05 19 13-0209	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	84.18	
		For Class 1 Mill Galvanized, Add	*6.39*	
		For Class 2 Mill Galvanized, Add	*9.59*	
		For Hot-Dipped Galvanized, Add	*15.98*	
		For Stainless Steel, Add	*63.90*	
04 05 19 13-0210	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	89.09	
		For Class 1 Mill Galvanized, Add	*6.62*	
		For Class 2 Mill Galvanized, Add	*9.93*	
		For Hot-Dipped Galvanized, Add	*16.56*	
		For Stainless Steel, Add	*66.22*	
04 05 19 13-0211	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	93.84	
		For Class 1 Mill Galvanized, Add	*6.90*	
		For Class 2 Mill Galvanized, Add	*10.35*	
		For Hot-Dipped Galvanized, Add	*17.26*	
		For Stainless Steel, Add	*69.02*	

04 05 19 13-0212 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0213	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	74.97	
		For Class 1 Mill Galvanized, Add	*7.47*	
		For Class 2 Mill Galvanized, Add	*11.21*	
		For Hot-Dipped Galvanized, Add	*18.69*	
		For Stainless Steel, Add	*74.74*	
04 05 19 13-0214	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	79.46	
		For Class 1 Mill Galvanized, Add	*7.54*	
		For Class 2 Mill Galvanized, Add	*11.30*	
		For Hot-Dipped Galvanized, Add	*18.84*	
		For Stainless Steel, Add	*75.36*	
04 05 19 13-0215	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	84.38	
		For Class 1 Mill Galvanized, Add	*7.68*	
		For Class 2 Mill Galvanized, Add	*11.53*	
		For Hot-Dipped Galvanized, Add	*19.21*	
		For Stainless Steel, Add	*76.84*	
04 05 19 13-0216	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	91.61	
		For Class 1 Mill Galvanized, Add	*7.88*	
		For Class 2 Mill Galvanized, Add	*11.81*	
		For Hot-Dipped Galvanized, Add	*19.69*	
		For Stainless Steel, Add	*78.76*	
04 05 19 13-0217	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	96.42	
		For Class 1 Mill Galvanized, Add	*8.09*	
		For Class 2 Mill Galvanized, Add	*12.13*	
		For Hot-Dipped Galvanized, Add	*20.22*	
		For Stainless Steel, Add	*80.88*	
04 05 19 13-0218	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	100.84	
		For Class 1 Mill Galvanized, Add	*8.30*	
		For Class 2 Mill Galvanized, Add	*12.45*	
		For Hot-Dipped Galvanized, Add	*20.76*	
		For Stainless Steel, Add	*83.02*	

04 05 19 13-0219 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0204)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0220	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	78.99	
		For Class 1 Mill Galvanized, Add	*8.28*	
		For Class 2 Mill Galvanized, Add	*12.42*	
		For Hot-Dipped Galvanized, Add	*20.70*	
		For Stainless Steel, Add	*82.78*	
04 05 19 13-0221	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	83.49	
		For Class 1 Mill Galvanized, Add	*8.34*	
		For Class 2 Mill Galvanized, Add	*12.51*	
		For Hot-Dipped Galvanized, Add	*20.86*	
		For Stainless Steel, Add	*83.42*	
04 05 19 13-0222	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	88.82	
		For Class 1 Mill Galvanized, Add	*8.57*	
		For Class 2 Mill Galvanized, Add	*12.86*	
		For Hot-Dipped Galvanized, Add	*21.43*	
		For Stainless Steel, Add	*85.72*	
04 05 19 13-0223	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	96.60	
		For Class 1 Mill Galvanized, Add	*8.87*	
		For Class 2 Mill Galvanized, Add	*13.31*	
		For Hot-Dipped Galvanized, Add	*22.19*	
		For Stainless Steel, Add	*88.74*	
04 05 19 13-0224	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	102.26	
		For Class 1 Mill Galvanized, Add	*9.26*	
		For Class 2 Mill Galvanized, Add	*13.88*	
		For Hot-Dipped Galvanized, Add	*23.14*	
		For Stainless Steel, Add	*92.56*	
04 05 19 13-0225	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	107.73	
		For Class 1 Mill Galvanized, Add	*9.68*	
		For Class 2 Mill Galvanized, Add	*14.52*	
		For Hot-Dipped Galvanized, Add	*24.20*	
		For Stainless Steel, Add	*96.80*	

04 05 19 13-0226 Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0144)*

04 05 19 13-0227 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0226)*

04 05 19 13-0228	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	73.21	
		For Class 1 Mill Galvanized, Add	*6.29*	
		For Class 2 Mill Galvanized, Add	*9.43*	
		For Hot-Dipped Galvanized, Add	*15.72*	
		For Stainless Steel, Add	*62.86*	
04 05 19 13-0229	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	77.61	
		For Class 1 Mill Galvanized, Add	*6.33*	
		For Class 2 Mill Galvanized, Add	*9.50*	
		For Hot-Dipped Galvanized, Add	*15.83*	
		For Stainless Steel, Add	*63.30*	
04 05 19 13-0230	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	84.59	
		For Class 1 Mill Galvanized, Add	*6.47*	
		For Class 2 Mill Galvanized, Add	*9.71*	
		For Hot-Dipped Galvanized, Add	*16.18*	
		For Stainless Steel, Add	*64.72*	
04 05 19 13-0231	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	89.31	
		For Class 1 Mill Galvanized, Add	*6.67*	
		For Class 2 Mill Galvanized, Add	*10.00*	
		For Hot-Dipped Galvanized, Add	*16.67*	
		For Stainless Steel, Add	*66.66*	
04 05 19 13-0232	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	93.83	
		For Class 1 Mill Galvanized, Add	*6.90*	
		For Class 2 Mill Galvanized, Add	*10.35*	
		For Hot-Dipped Galvanized, Add	*17.25*	
		For Stainless Steel, Add	*69.00*	
04 05 19 13-0233	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	97.35	
		For Class 1 Mill Galvanized, Add	*7.14*	
		For Class 2 Mill Galvanized, Add	*10.71*	
		For Hot-Dipped Galvanized, Add	*17.85*	
		For Stainless Steel, Add	*71.40*	

04 05 19 13-0234 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0226)*

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0235	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement		80.52	
		For Class 1 Mill Galvanized, Add		*7.75*	
		For Class 2 Mill Galvanized, Add		*11.62*	
		For Hot-Dipped Galvanized, Add		*19.37*	
		For Stainless Steel, Add		*77.48*	
04 05 19 13-0236	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement		85.02	
		For Class 1 Mill Galvanized, Add		*7.81*	
		For Class 2 Mill Galvanized, Add		*11.72*	
		For Hot-Dipped Galvanized, Add		*19.53*	
		For Stainless Steel, Add		*78.12*	
04 05 19 13-0237	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement		92.03	
		For Class 1 Mill Galvanized, Add		*7.96*	
		For Class 2 Mill Galvanized, Add		*11.94*	
		For Hot-Dipped Galvanized, Add		*19.90*	
		For Stainless Steel, Add		*79.60*	
04 05 19 13-0238	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement		96.74	
		For Class 1 Mill Galvanized, Add		*8.15*	
		For Class 2 Mill Galvanized, Add		*12.23*	
		For Hot-Dipped Galvanized, Add		*20.38*	
		For Stainless Steel, Add		*81.52*	
04 05 19 13-0239	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement		101.15	
		For Class 1 Mill Galvanized, Add		*8.36*	
		For Class 2 Mill Galvanized, Add		*12.55*	
		For Hot-Dipped Galvanized, Add		*20.91*	
		For Stainless Steel, Add		*83.64*	
04 05 19 13-0240	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement		104.73	
		For Class 1 Mill Galvanized, Add		*8.62*	
		For Class 2 Mill Galvanized, Add		*12.92*	
		For Hot-Dipped Galvanized, Add		*21.54*	
		For Stainless Steel, Add		*86.16*	

04 05 19 13-0241 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0226)*

04 05 19 13-0242	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement		84.56	
		For Class 1 Mill Galvanized, Add		*8.56*	
		For Class 2 Mill Galvanized, Add		*12.83*	
		For Hot-Dipped Galvanized, Add		*21.39*	
		For Stainless Steel, Add		*85.56*	
04 05 19 13-0243	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement		89.04	
		For Class 1 Mill Galvanized, Add		*8.62*	
		For Class 2 Mill Galvanized, Add		*12.92*	
		For Hot-Dipped Galvanized, Add		*21.54*	
		For Stainless Steel, Add		*86.16*	
04 05 19 13-0244	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement		96.49	
		For Class 1 Mill Galvanized, Add		*8.85*	
		For Class 2 Mill Galvanized, Add		*13.28*	
		For Hot-Dipped Galvanized, Add		*22.13*	
		For Stainless Steel, Add		*88.52*	
04 05 19 13-0245	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement		101.74	
		For Class 1 Mill Galvanized, Add		*9.15*	
		For Class 2 Mill Galvanized, Add		*13.73*	
		For Hot-Dipped Galvanized, Add		*22.88*	
		For Stainless Steel, Add		*91.52*	
04 05 19 13-0246	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement		106.99	
		For Class 1 Mill Galvanized, Add		*9.53*	
		For Class 2 Mill Galvanized, Add		*14.30*	
		For Hot-Dipped Galvanized, Add		*23.83*	
		For Stainless Steel, Add		*95.32*	
04 05 19 13-0247	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement		110.76	
		For Class 1 Mill Galvanized, Add		*9.82*	
		For Class 2 Mill Galvanized, Add		*14.73*	
		For Hot-Dipped Galvanized, Add		*24.56*	
		For Stainless Steel, Add		*98.22*	

04 05 19 13-0248 Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0144)*

04 05 19 13-0249 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0248)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0250	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	70.38	
		For Class 1 Mill Galvanized, Add	*5.72*	
		For Class 2 Mill Galvanized, Add	*8.58*	
		For Hot-Dipped Galvanized, Add	*14.30*	
		For Stainless Steel, Add	*57.20*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0251	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	74.76	
		For Class 1 Mill Galvanized, Add	*5.76*	
		For Class 2 Mill Galvanized, Add	*8.64*	
		For Hot-Dipped Galvanized, Add	*14.40*	
		For Stainless Steel, Add	*57.60*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0252	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	81.65	
		For Class 1 Mill Galvanized, Add	*5.88*	
		For Class 2 Mill Galvanized, Add	*8.83*	
		For Hot-Dipped Galvanized, Add	*14.71*	
		For Stainless Steel, Add	*58.84*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0253	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	86.29	
		For Class 1 Mill Galvanized, Add	*6.06*	
		For Class 2 Mill Galvanized, Add	*9.09*	
		For Hot-Dipped Galvanized, Add	*15.16*	
		For Stainless Steel, Add	*60.62*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0254	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	90.57	
		For Class 1 Mill Galvanized, Add	*6.25*	
		For Class 2 Mill Galvanized, Add	*9.37*	
		For Hot-Dipped Galvanized, Add	*15.62*	
		For Stainless Steel, Add	*62.48*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0255	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	94.02	
		For Class 1 Mill Galvanized, Add	*6.47*	
		For Class 2 Mill Galvanized, Add	*9.71*	
		For Hot-Dipped Galvanized, Add	*16.19*	
		For Stainless Steel, Add	*64.74*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0256		3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0248)*		
04 05 19 13-0257	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	77.12	
		For Class 1 Mill Galvanized, Add	*7.07*	
		For Class 2 Mill Galvanized, Add	*10.60*	
		For Hot-Dipped Galvanized, Add	*17.67*	
		For Stainless Steel, Add	*70.68*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0258	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	81.58	
		For Class 1 Mill Galvanized, Add	*7.12*	
		For Class 2 Mill Galvanized, Add	*10.69*	
		For Hot-Dipped Galvanized, Add	*17.81*	
		For Stainless Steel, Add	*71.24*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0259	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	88.41	
		For Class 1 Mill Galvanized, Add	*7.24*	
		For Class 2 Mill Galvanized, Add	*10.85*	
		For Hot-Dipped Galvanized, Add	*18.09*	
		For Stainless Steel, Add	*72.36*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0260	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	93.01	
		For Class 1 Mill Galvanized, Add	*7.41*	
		For Class 2 Mill Galvanized, Add	*11.11*	
		For Hot-Dipped Galvanized, Add	*18.52*	
		For Stainless Steel, Add	*74.06*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0261	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	97.28	
		For Class 1 Mill Galvanized, Add	*7.59*	
		For Class 2 Mill Galvanized, Add	*11.39*	
		For Hot-Dipped Galvanized, Add	*18.98*	
		For Stainless Steel, Add	*75.90*	
		For Seismic Hook And Eye, Add	*27.50*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0262	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	100.61	
		For Class 1 Mill Galvanized, Add	*7.79*	
		For Class 2 Mill Galvanized, Add	*11.69*	
		For Hot-Dipped Galvanized, Add	*19.48*	
		For Stainless Steel, Add	*77.92*	
		For Seismic Hook And Eye, Add	*27.50*	

04 05 19 13-0263 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0248)*

04 05 19 13-0264	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	81.20	
		For Class 1 Mill Galvanized, Add	*7.88*	
		For Class 2 Mill Galvanized, Add	*11.83*	
		For Hot-Dipped Galvanized, Add	*19.71*	
		For Stainless Steel, Add	*78.84*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0265	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	85.68	
		For Class 1 Mill Galvanized, Add	*7.94*	
		For Class 2 Mill Galvanized, Add	*11.92*	
		For Hot-Dipped Galvanized, Add	*19.86*	
		For Stainless Steel, Add	*79.44*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0266	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	93.05	
		For Class 1 Mill Galvanized, Add	*8.16*	
		For Class 2 Mill Galvanized, Add	*12.25*	
		For Hot-Dipped Galvanized, Add	*20.41*	
		For Stainless Steel, Add	*81.64*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0267	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	98.24	
		For Class 1 Mill Galvanized, Add	*8.45*	
		For Class 2 Mill Galvanized, Add	*12.68*	
		For Hot-Dipped Galvanized, Add	*21.13*	
		For Stainless Steel, Add	*84.52*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0268	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	103.41	
		For Class 1 Mill Galvanized, Add	*8.82*	
		For Class 2 Mill Galvanized, Add	*13.22*	
		For Hot-Dipped Galvanized, Add	*22.04*	
		For Stainless Steel, Add	*88.16*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0269	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	107.75	
		For Class 1 Mill Galvanized, Add	*9.22*	
		For Class 2 Mill Galvanized, Add	*13.83*	
		For Hot-Dipped Galvanized, Add	*23.05*	
		For Stainless Steel, Add	*92.20*	
		For Seismic Hook And Eye, Add	*27.50*	

04 05 19 13-0270 Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0144)*

04 05 19 13-0271 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall *(04 05 19 13-0270)*

04 05 19 13-0272	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	75.91	
		For Class 1 Mill Galvanized, Add	*5.99*	
		For Class 2 Mill Galvanized, Add	*8.99*	
		For Hot-Dipped Galvanized, Add	*14.98*	
		For Stainless Steel, Add	*59.90*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0273	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	82.39	
		For Class 1 Mill Galvanized, Add	*6.03*	
		For Class 2 Mill Galvanized, Add	*9.05*	
		For Hot-Dipped Galvanized, Add	*15.08*	
		For Stainless Steel, Add	*60.32*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0274	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	86.80	
		For Class 1 Mill Galvanized, Add	*6.16*	
		For Class 2 Mill Galvanized, Add	*9.25*	
		For Hot-Dipped Galvanized, Add	*15.41*	
		For Stainless Steel, Add	*61.64*	
		For Seismic Hook And Eye, Add	*27.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0275	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	91.09	
		For Class 1 Mill Galvanized, Add	*6.35*	
		For Class 2 Mill Galvanized, Add	*9.53*	
		For Hot-Dipped Galvanized, Add	*15.88*	
		For Stainless Steel, Add	*63.52*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0276	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	94.50	
		For Class 1 Mill Galvanized, Add	*6.57*	
		For Class 2 Mill Galvanized, Add	*9.86*	
		For Hot-Dipped Galvanized, Add	*16.43*	
		For Stainless Steel, Add	*65.70*	
		For Seismic Hook And Eye, Add	*27.50*	

04 05 19 13-0277 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0270)*

04 05 19 13-0278	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	83.17	
		For Class 1 Mill Galvanized, Add	*7.44*	
		For Class 2 Mill Galvanized, Add	*11.16*	
		For Hot-Dipped Galvanized, Add	*18.61*	
		For Stainless Steel, Add	*74.42*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0279	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	89.67	
		For Class 1 Mill Galvanized, Add	*7.49*	
		For Class 2 Mill Galvanized, Add	*11.23*	
		For Hot-Dipped Galvanized, Add	*18.72*	
		For Stainless Steel, Add	*74.88*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0280	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	94.06	
		For Class 1 Mill Galvanized, Add	*7.62*	
		For Class 2 Mill Galvanized, Add	*11.42*	
		For Hot-Dipped Galvanized, Add	*19.04*	
		For Stainless Steel, Add	*76.16*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0281	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	98.27	
		For Class 1 Mill Galvanized, Add	*7.79*	
		For Class 2 Mill Galvanized, Add	*11.68*	
		For Hot-Dipped Galvanized, Add	*19.47*	
		For Stainless Steel, Add	*77.88*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0282	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	101.48	
		For Class 1 Mill Galvanized, Add	*7.97*	
		For Class 2 Mill Galvanized, Add	*11.95*	
		For Hot-Dipped Galvanized, Add	*19.92*	
		For Stainless Steel, Add	*79.66*	
		For Seismic Hook And Eye, Add	*27.50*	

04 05 19 13-0283 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0270)*

04 05 19 13-0284	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	86.70	
		For Class 1 Mill Galvanized, Add	*8.15*	
		For Class 2 Mill Galvanized, Add	*12.22*	
		For Hot-Dipped Galvanized, Add	*20.37*	
		For Stainless Steel, Add	*81.48*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0285	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	93.26	
		For Class 1 Mill Galvanized, Add	*8.21*	
		For Class 2 Mill Galvanized, Add	*12.31*	
		For Hot-Dipped Galvanized, Add	*20.52*	
		For Stainless Steel, Add	*82.06*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0286	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	98.13	
		For Class 1 Mill Galvanized, Add	*8.43*	
		For Class 2 Mill Galvanized, Add	*12.65*	
		For Hot-Dipped Galvanized, Add	*21.08*	
		For Stainless Steel, Add	*84.30*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0287	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	102.91	
		For Class 1 Mill Galvanized, Add	*8.72*	
		For Class 2 Mill Galvanized, Add	*13.07*	
		For Hot-Dipped Galvanized, Add	*21.79*	
		For Stainless Steel, Add	*87.16*	
		For Seismic Hook And Eye, Add	*27.50*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0288	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	107.04	
		For Class 1 Mill Galvanized, Add	*9.08*	
		For Class 2 Mill Galvanized, Add	*13.62*	
		For Hot-Dipped Galvanized, Add	*22.70*	
		For Stainless Steel, Add	*90.78*	
		For Seismic Hook And Eye, Add	*27.50*	

04 05 19 16 Masonry Anchors *(04 05 19)*

04 05 19 16-0001 Rectangular, Wire Masonry Wall Ties *(04 05 19 16)*

04 05 19 16-0002 Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Ties *(04 05 19 16-0001)*

04 05 19 16-0003	EA	2" Width x 4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	0.88
04 05 19 16-0004	EA	2" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	0.92
04 05 19 16-0005	EA	2" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	0.96
04 05 19 16-0006	EA	2" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.01
04 05 19 16-0007	EA	2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.06
04 05 19 16-0008	EA	4" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	0.96
04 05 19 16-0009	EA	4" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.01
04 05 19 16-0010	EA	4" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.06
04 05 19 16-0011	EA	4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.11

04 05 19 16-0012 Mill Galvanized, Rectangular, Wire Masonry Wall Ties *(04 05 19 16-0001)*

04 05 19 16-0013	EA	2" Width x 4" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	0.81
04 05 19 16-0014	EA	2" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	0.83
04 05 19 16-0015	EA	2" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	0.84
04 05 19 16-0016	EA	2" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	0.87
04 05 19 16-0017	EA	2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	0.90
04 05 19 16-0018	EA	4" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	0.84
04 05 19 16-0019	EA	4" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	0.87
04 05 19 16-0020	EA	4" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	0.90
04 05 19 16-0021	EA	4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	0.92

04 05 19 16-0022 Z-Type, Wire Masonry Wall Ties *(04 05 19 16)*

04 05 19 16-0023 Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Ties *(04 05 19 16-0022)*

04 05 19 16-0024	EA	6" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	0.81
04 05 19 16-0025	EA	8" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	0.83
04 05 19 16-0026	EA	10" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	0.91
04 05 19 16-0027	EA	12" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	0.94
04 05 19 16-0028	EA	6" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	0.95
04 05 19 16-0029	EA	8" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	0.99
04 05 19 16-0030	EA	10" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.05
04 05 19 16-0031	EA	12" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.08

04 05 19 16-0032 Mill Galvanized, Z-Type, Wire Masonry Wall Ties *(04 05 19 16-0022)*

04 05 19 16-0033	EA	6" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	0.76
04 05 19 16-0034	EA	8" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	0.77
04 05 19 16-0035	EA	10" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	0.82
04 05 19 16-0036	EA	12" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	0.83
04 05 19 16-0037	EA	6" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	0.84
04 05 19 16-0038	EA	8" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	0.87
04 05 19 16-0039	EA	10" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	0.90
04 05 19 16-0040	EA	12" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	0.93

04 05 19 16-0041 Wire Beam Ties *(04 05 19 16)*

04 05 19 16-0042 Hot-Dipped Galvanized, Wire Beam Ties *(04 05 19 16-0041)*

04 05 19 16-0043	EA	2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.01
04 05 19 16-0044	EA	4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.02
04 05 19 16-0045	EA	6" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.04
04 05 19 16-0046	EA	8" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.06
04 05 19 16-0047	EA	10" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.09

04 05 19 16-0048 Mill Galvanized, Wire Beam Ties *(04 05 19 16-0041)*

04 05 19 16-0049	EA	2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	1.15
04 05 19 16-0050	EA	4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	1.19
04 05 19 16-0051	EA	6" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	1.23
04 05 19 16-0052	EA	8" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	1.25
04 05 19 16-0053	EA	10" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	1.28

04 05 19 16-0054 Adjustable Double Pintle, Wire Masonry Wall Ties *(04 05 19 16)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0055		**Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties** *(04 05 19 16-0054)*		
04 05 19 16-0056	EA	6" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.09	
04 05 19 16-0057	EA	7" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.13	
04 05 19 16-0058	EA	8" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.14	
04 05 19 16-0059	EA	9" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.17	
04 05 19 16-0060	EA	10" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.18	
04 05 19 16-0061		**Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties** *(04 05 19 16-0054)*		
04 05 19 16-0062	EA	6" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	0.96	
04 05 19 16-0063	EA	7" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	0.98	
04 05 19 16-0064	EA	8" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	0.99	
04 05 19 16-0065	EA	9" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.01	
04 05 19 16-0066	EA	10" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.02	
04 05 19 16-0067		**Corrugated Buck (Brick) Anchors** *(04 05 19 16)*		
04 05 19 16-0068		**Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchors** *(04 05 19 16-0067)*		
04 05 19 16-0069	EA	3-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.27	
04 05 19 16-0070	EA	4-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.31	
04 05 19 16-0071	EA	5-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.35	
04 05 19 16-0072	EA	6-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.39	
04 05 19 16-0073	EA	7-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.43	
04 05 19 16-0074	EA	3-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.30	
04 05 19 16-0075	EA	4-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.35	
04 05 19 16-0076	EA	5-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.39	
04 05 19 16-0077	EA	6-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.43	
04 05 19 16-0078	EA	7-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.47	
04 05 19 16-0079		**Mill Galvanized, Corrugated Buck (Brick) Anchors** *(04 05 19 16-0067)*		
04 05 19 16-0080	EA	3-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.13	
04 05 19 16-0081	EA	4-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.16	
04 05 19 16-0082	EA	5-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.19	
04 05 19 16-0083	EA	6-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.22	
04 05 19 16-0084	EA	7-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.24	
04 05 19 16-0085	EA	3-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.15	
04 05 19 16-0086	EA	4-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.19	
04 05 19 16-0087	EA	5-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.22	
04 05 19 16-0088	EA	6-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.25	
04 05 19 16-0089	EA	7-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.28	
04 05 19 16-0090		**Corrugated Wall Ties** *(04 05 19 16)*		
04 05 19 16-0091		**Hot-Dipped Galvanized, Corrugated Wall Ties** *(04 05 19 16-0090)*		
04 05 19 16-0092	EA	7/8" Width, 7" Length, 28 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	0.76	
04 05 19 16-0093	EA	7/8" Width, 7" Length, 26 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	0.79	
04 05 19 16-0094	EA	7/8" Width, 7" Length, 24 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	0.80	
04 05 19 16-0095	EA	7/8" Width, 7" Length, 22 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	0.81	
04 05 19 16-0096	EA	7/8" Width, 7" Length, 16 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	0.92	
04 05 19 16-0097		**Mill Galvanized, Corrugated Wall Ties** *(04 05 19 16-0090)*		
04 05 19 16-0098	EA	7/8" Width, 7" Length, 26 Gauge, Mill Galvanized, Corrugated Wall Tie	0.77	
04 05 19 16-0099	EA	7/8" Width, 7" Length, 24 Gauge, Mill Galvanized, Corrugated Wall Tie	0.78	
04 05 19 16-0100	EA	7/8" Width, 7" Length, 22 Gauge, Mill Galvanized, Corrugated Wall Tie	0.79	
04 05 19 16-0101	EA	7/8" Width, 7" Length, 16 Gauge, Mill Galvanized, Corrugated Wall Tie	0.87	
04 05 19 16-0102		**Stainless Steel, Corrugated Wall Ties** *(04 05 19 16-0090)*		
04 05 19 16-0103	EA	7/8" Width, 7" Length, 28 Gauge, Stainless Steel, Corrugated Wall Tie	1.10	
04 05 19 16-0104	EA	7/8" Width, 7" Length, 26 Gauge, Stainless Steel, Corrugated Wall Tie	1.15	
04 05 19 16-0105	EA	7/8" Width, 7" Length, 24 Gauge, Stainless Steel, Corrugated Wall Tie	1.21	
04 05 19 16-0106	EA	7/8" Width, 7" Length, 22 Gauge, Stainless Steel, Corrugated Wall Tie	1.26	
04 05 19 16-0107	EA	7/8" Width, 7" Length, 16 Gauge, Stainless Steel, Corrugated Wall Tie	1.55	
04 05 19 16-0108		**Wire Mesh Wall Ties** *(04 05 19 16)*		
		Note: 1/2" square mesh.		
04 05 19 16-0109	EA	3" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	1.41	
04 05 19 16-0110	EA	3" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	1.66	
04 05 19 16-0111	EA	6" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	1.94	
04 05 19 16-0112	EA	6" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	2.39	
04 05 19 16-0113	EA	10" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	2.33	
04 05 19 16-0114	EA	10" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	2.75	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0115		Triangle Brick Ties *(04 05 19 16)*		
04 05 19 16-0116		Hot-Dipped Galvanized, Triangle Brick Ties *(04 05 19 16-0115)*		
04 05 19 16-0117	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.27	
04 05 19 16-0118	EA	3-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.28	
04 05 19 16-0119	EA	4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.30	
04 05 19 16-0120	EA	4-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.35	
04 05 19 16-0121	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.37	
04 05 19 16-0122	EA	6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.44	
04 05 19 16-0123	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.47	
04 05 19 16-0124	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.56	
04 05 19 16-0125	EA	3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.44	
04 05 19 16-0126	EA	3-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.46	
04 05 19 16-0127	EA	4" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.47	
04 05 19 16-0128	EA	4-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.51	
04 05 19 16-0129	EA	5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.53	
04 05 19 16-0130	EA	6" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.60	
04 05 19 16-0131	EA	7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.62	
04 05 19 16-0132	EA	9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.72	
04 05 19 16-0133		Mill Galvanized, Triangle Brick Ties *(04 05 19 16-0115)*		
04 05 19 16-0134	EA	3" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.18	
04 05 19 16-0135	EA	3-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.19	
04 05 19 16-0136	EA	4" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.19	
04 05 19 16-0137	EA	4-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.23	
04 05 19 16-0138	EA	5" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.23	
04 05 19 16-0139	EA	6" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.29	
04 05 19 16-0140	EA	7" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.30	
04 05 19 16-0141	EA	9" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.33	
04 05 19 16-0142	EA	3" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.29	
04 05 19 16-0143	EA	3-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.30	
04 05 19 16-0144	EA	4" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.31	
04 05 19 16-0145	EA	4-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.35	
04 05 19 16-0146	EA	5" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.36	
04 05 19 16-0147	EA	6" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.41	
04 05 19 16-0148	EA	7" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.43	
04 05 19 16-0149	EA	9" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.48	
04 05 19 16-0150		Seismic Veneer Anchors *(04 05 19 16)*		
04 05 19 16-0151	EA	3-1/2" Length, 1-1/4" Width, Stainless Steel, Seismic Notch Veneer Anchor Note: For horizontal wire attachment. Excludes wire.	5.21	
04 05 19 16-0152		Slip-Set, Joint Stabilization Anchors *(04 05 19 16)* Note: For restraining lateral movement at control joints. Field bendable.		
04 05 19 16-0153	EA	9-5/8" Length, 1-5/8" Width, Mill Galvanized, Slip-Set, Joint Stabilization Anchor	3.29	
04 05 19 16-0154	EA	9-5/8" Length, 1-5/8" Width, Hot-Dipped Galvanized, Slip-Set, Joint Stabilization Anchor	3.55	
04 05 19 16-0155	EA	9-5/8" Length, 1-5/8" Width, Stainless Steel, Slip-Set, Joint Stabilization Anchor	5.21	
04 05 19 16-0156		Strap Partition Top Anchors *(04 05 19 16)*		
04 05 19 16-0157	EA	12 Gauge Strap, 3/8" Rod, Hot-Dipped Galvanized, Partition Top Anchor	2.00	
04 05 19 16-0158	EA	12 Gauge Strap, 3/8" Rod, Stainless Steel, Partition Top Anchor	5.50	
04 05 19 16-0159		Rigid Partition Anchors *(04 05 19 16)*		
04 05 19 16-0160		Hot-Dipped Galvanized, Rigid Partition Anchors *(04 05 19 16-0159)*		
04 05 19 16-0161	EA	1" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	1.69	
04 05 19 16-0162	EA	1-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	1.80	
04 05 19 16-0163	EA	1-1/2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	1.94	
04 05 19 16-0164	EA	1-3/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	2.06	
04 05 19 16-0165	EA	2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	2.18	
04 05 19 16-0166	EA	2-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	2.31	
04 05 19 16-0167	EA	1" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	2.19	
04 05 19 16-0168	EA	1-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	2.58	
04 05 19 16-0169	EA	1-1/2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	2.98	
04 05 19 16-0170	EA	1-3/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	3.37	
04 05 19 16-0171	EA	2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	3.77	
04 05 19 16-0172	EA	2-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	4.16	
04 05 19 16-0173		Mill Galvanized, Rigid Partition Anchors *(04 05 19 16-0159)*		
04 05 19 16-0174	EA	1" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	1.58	
04 05 19 16-0175	EA	1-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	1.68	
04 05 19 16-0176	EA	1-1/2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	1.77	
04 05 19 16-0177	EA	1-3/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	1.87	
04 05 19 16-0178	EA	2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	1.96	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0179	EA	2-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	2.06	
04 05 19 16-0180		**Screw-On Masonry Veneer Anchor Plates** *(04 05 19 16)*		
04 05 19 16-0181	EA	12 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate	1.09	
04 05 19 16-0182	EA	14 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate	1.13	
04 05 19 16-0183		**Wire Column Ties** *(04 05 19 16)*		
04 05 19 16-0184		**Hot-Dipped Galvanized, Wire Column Ties** *(04 05 19 16-0183)*		
04 05 19 16-0185	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.26	
04 05 19 16-0186	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.33	
04 05 19 16-0187	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.38	
04 05 19 16-0188	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.44	
04 05 19 16-0189	EA	10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.32	
04 05 19 16-0190	EA	12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.38	
04 05 19 16-0191	EA	14" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.42	
04 05 19 16-0192	EA	16" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.46	
04 05 19 16-0193	EA	3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.61	
04 05 19 16-0194	EA	5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.72	
04 05 19 16-0195	EA	7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.80	
04 05 19 16-0196	EA	9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.91	
04 05 19 16-0197	EA	10" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.72	
04 05 19 16-0198	EA	12" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.80	
04 05 19 16-0199	EA	14" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.86	
04 05 19 16-0200	EA	16" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.94	
04 05 19 16-0201		**Mill Galvanized, Wire Column Ties** *(04 05 19 16-0183)*		
04 05 19 16-0202	EA	3" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	1.15	
04 05 19 16-0203	EA	5" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	1.19	
04 05 19 16-0204	EA	7" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	1.21	
04 05 19 16-0205	EA	9" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	1.25	
04 05 19 16-0206	EA	10" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	1.16	
04 05 19 16-0207	EA	12" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	1.20	
04 05 19 16-0208	EA	14" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	1.23	
04 05 19 16-0209	EA	16" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	1.26	
04 05 19 16-0210	EA	3" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	1.40	
04 05 19 16-0211	EA	5" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	1.48	
04 05 19 16-0212	EA	7" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	1.51	
04 05 19 16-0213	EA	9" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	1.58	
04 05 19 16-0214	EA	10" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	1.37	
04 05 19 16-0215	EA	12" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	1.49	
04 05 19 16-0216	EA	14" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	1.54	
04 05 19 16-0217	EA	16" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	1.58	
04 05 19 16-0218		**Dovetail Anchors, Slots And Ties** *(04 05 19 16)*		
04 05 19 16-0219		**Dovetail Anchor Slots** *(04 05 19 16-0218)*		
04 05 19 16-0220		**Hot-Dipped Galvanized, Dovetail Anchor Slot** *(04 05 19 16-0219)*		
04 05 19 16-0221	LF	24 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	2.61	
04 05 19 16-0222	LF	22 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	2.80	
04 05 19 16-0223	LF	20 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	2.92	
04 05 19 16-0224	LF	18 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	2.97	
04 05 19 16-0225	LF	16 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	3.10	
04 05 19 16-0226		**Mill Galvanized, Dovetail Anchor Slot** *(04 05 19 16-0219)*		
04 05 19 16-0227	LF	24 Gauge, Mill Galvanized, Dovetail Anchor Slot	2.22	
04 05 19 16-0228	LF	22 Gauge, Mill Galvanized, Dovetail Anchor Slot	2.47	
04 05 19 16-0229	LF	20 Gauge, Mill Galvanized, Dovetail Anchor Slot	2.52	
04 05 19 16-0230	LF	18 Gauge, Mill Galvanized, Dovetail Anchor Slot	2.61	
04 05 19 16-0231	LF	16 Gauge, Mill Galvanized, Dovetail Anchor Slot	2.66	
04 05 19 16-0232		**304 Stainless Steel, Dovetail Anchor Slot** *(04 05 19 16-0219)*		
04 05 19 16-0233	LF	24 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	3.06	
04 05 19 16-0234	LF	22 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	3.44	
04 05 19 16-0235	LF	20 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	3.57	
04 05 19 16-0236	LF	18 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	4.00	
04 05 19 16-0237	LF	16 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	4.42	
04 05 19 16-0238		**316 Stainless Steel, Dovetail Anchor Slot** *(04 05 19 16-0219)*		
04 05 19 16-0239	LF	24 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	3.36	
04 05 19 16-0240	LF	22 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	3.65	
04 05 19 16-0241	LF	20 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	3.94	
04 05 19 16-0242	LF	18 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	4.31	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0243	LF	16 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	4.53	

04 05 19 16-0244 Dovetail Corrugated Brick Ties *(04 05 19 16-0218)*

04 05 19 16-0245 Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie *(04 05 19 16-0244)*

04 05 19 16-0246	EA	3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	0.95	
04 05 19 16-0247	EA	5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.01	
04 05 19 16-0248	EA	7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.08	
04 05 19 16-0249	EA	3-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	0.97	
04 05 19 16-0250	EA	5-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.08	
04 05 19 16-0251	EA	7-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.17	
04 05 19 16-0252	EA	3-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.00	
04 05 19 16-0253	EA	5-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.08	
04 05 19 16-0254	EA	7-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.16	

04 05 19 16-0255 Mill Galvanized, Dovetail Corrugated Brick Tie *(04 05 19 16-0244)*

04 05 19 16-0256	EA	3-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	0.90	
04 05 19 16-0257	EA	5-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	0.94	
04 05 19 16-0258	EA	7-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	0.97	
04 05 19 16-0259	EA	3-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	0.93	
04 05 19 16-0260	EA	5-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.00	
04 05 19 16-0261	EA	7-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.07	
04 05 19 16-0262	EA	3-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	0.94	
04 05 19 16-0263	EA	5-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.03	
04 05 19 16-0264	EA	7-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.10	

04 05 19 16-0265 Dovetail Stone Anchors *(04 05 19 16-0218)*

04 05 19 16-0266 Hot-Dipped Galvanized, Dovetail Stone Anchors *(04 05 19 16-0265)*

04 05 19 16-0267	EA	3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor	1.08	
04 05 19 16-0268	EA	5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor	1.15	
04 05 19 16-0269	EA	7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor	1.21	

04 05 19 16-0270 Dovetail Partition Top Anchors *(04 05 19 16-0218)*

04 05 19 16-0271	EA	3/8" Rod, Hot-Dipped Galvanized, Dovetail Partition Top Anchor	2.12	
04 05 19 16-0272	EA	3/8" Rod, Stainless Steel, Dovetail Partition Top Anchor	5.90	

04 05 19 16-0273 Dovetail Flexible Triangle Brick Ties *(04 05 19 16-0218)*

04 05 19 16-0274 Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Ties *(04 05 19 16-0273)*

04 05 19 16-0275	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie	1.56	
04 05 19 16-0276	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie	1.64	
04 05 19 16-0277	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie	1.70	
04 05 19 16-0278	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie	1.76	

04 05 19 16-0279 Mill Galvanized, Dovetail Flexible Triangle Brick Ties *(04 05 19 16-0273)*

04 05 19 16-0280	EA	3" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie	1.44	
04 05 19 16-0281	EA	5" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie	1.45	
04 05 19 16-0282	EA	7" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie	1.49	
04 05 19 16-0283	EA	9" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie	1.58	

04 05 19 16-0284 Dowel Or Hairpin, Drill And Epoxy Into Brick *(04 05 19 16)*

04 05 19 16-0285	EA	Dowels Or Hairpin, 1/2" x 30" L, Drill And Epoxy In Brick	18.27	
04 05 19 16-0286	EA	Dowels Or Hairpin, 1/2" x 36" L, Drill And Epoxy In Brick	19.05	

04 05 19 26 Masonry Reinforcing Bars *(04 05 19)*

Note: Includes cutting and bending.

04 05 19 26-0001 Plain Steel Masonry Reinforcement Bar *(04 05 19 26)*

04 05 19 26-0002	LF	#3, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar	0.71	
04 05 19 26-0003	LF	#4, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar	1.14	
04 05 19 26-0004	LF	#5, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar	1.60	
04 05 19 26-0005	LF	#6, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar	2.07	
04 05 19 26-0006	LF	#3, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar	0.72	
04 05 19 26-0007	LF	#4, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar	1.15	
04 05 19 26-0008	LF	#5, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar	1.62	
04 05 19 26-0009	LF	#6, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar	2.11	
04 05 19 26-0010	LF	#3, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar	0.84	
04 05 19 26-0011	LF	#4, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar	1.35	
04 05 19 26-0012	LF	#5, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar	1.90	
04 05 19 26-0013	LF	#6, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar	2.43	
04 05 19 26-0014	LF	#3, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar	0.85	
04 05 19 26-0015	LF	#4, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar	1.36	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 26-0016	LF	#5, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar	1.92	
04 05 19 26-0017	LF	#6, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar	2.47	
04 05 19 26-0018		Galvanized Steel Masonry Reinforcement Bar *(04 05 19 26)*		
04 05 19 26-0019	LF	#3, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	0.79	
04 05 19 26-0020	LF	#4, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	1.29	
04 05 19 26-0021	LF	#5, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	1.84	
04 05 19 26-0022	LF	#6, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	2.42	
04 05 19 26-0023	LF	#3, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	0.80	
04 05 19 26-0024	LF	#4, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	1.31	
04 05 19 26-0025	LF	#5, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	1.86	
04 05 19 26-0026	LF	#6, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	2.45	
04 05 19 26-0027	LF	#3, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	0.92	
04 05 19 26-0028	LF	#4, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	1.50	
04 05 19 26-0029	LF	#5, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	2.14	
04 05 19 26-0030	LF	#6, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	2.78	
04 05 19 26-0031	LF	#3, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	0.93	
04 05 19 26-0032	LF	#4, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	1.52	
04 05 19 26-0033	LF	#5, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	2.16	
04 05 19 26-0034	LF	#6, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	2.81	
04 05 19 26-0035		Epoxy-Coated Masonry Reinforcement Bar *(04 05 19 26)*		
04 05 19 26-0036	LF	#3, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	0.79	
04 05 19 26-0037	LF	#4, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.28	
04 05 19 26-0038	LF	#5, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.81	
04 05 19 26-0039	LF	#6, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	2.38	
04 05 19 26-0040	LF	#3, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	0.79	
04 05 19 26-0041	LF	#4, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.29	
04 05 19 26-0042	LF	#5, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.83	
04 05 19 26-0043	LF	#6, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	2.41	
04 05 19 26-0044	LF	#3, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	0.92	
04 05 19 26-0045	LF	#4, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	1.49	
04 05 19 26-0046	LF	#5, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	2.11	
04 05 19 26-0047	LF	#6, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	2.74	
04 05 19 26-0048	LF	#3, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	0.92	
04 05 19 26-0049	LF	#4, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	1.50	
04 05 19 26-0050	LF	#5, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	2.13	
04 05 19 26-0051	LF	#6, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	2.77	

04 05 23 Masonry Accessories *(04 05)*

04 05 23 13 Masonry Control And Expansion Joints *(04 05 23)*

04 05 23 13-0001 Masonry Control Joints *(04 05 23 13)*

04 05 23 13-0002 Rubber, Masonry Control Joints *(04 05 23 13-0001)*

04 05 23 13-0003	LF	1-5/8" Width, T-Style, Rubber, Masonry Control Joint	3.59	0.74
04 05 23 13-0004	LF	2-5/8" Width, Rubber, Masonry Control Joint	3.51	0.74
04 05 23 13-0005	LF	6-7/8" Width, Rubber, Masonry Control Joint	6.93	0.74

04 05 23 13-0006 Polyvinyl Chloride (PVC), Masonry Control Joints *(04 05 23 13-0001)*

04 05 23 13-0007	LF	1-5/8" Width, T-Style, Polyvinyl Chloride (PVC), Masonry Control Joint	2.47	0.74
04 05 23 13-0008	LF	2-5/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	2.53	0.74
04 05 23 13-0009	LF	4-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	3.19	0.74
04 05 23 13-0010	LF	6-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	3.56	0.74
04 05 23 13-0011	LF	11-1/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	3.42	0.74

04 05 23 16 Masonry Embedded Flashing *(04 05 23)*

04 05 23 16-0001 Lead Coated Copper Through Wall Flashing *(04 05 23 16)*

04 05 23 16-0002 Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing *(04 05 23 16-0001)*

04 05 23 16-0003	SF	2 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	4.93	1.30
04 05 23 16-0004	SF	3 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	5.34	1.30
04 05 23 16-0005	SF	5 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	6.48	1.30
04 05 23 16-0006	SF	7 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	7.49	1.30

04 05 23 16-0007 Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing *(04 05 23 16-0001)*

04 05 23 16-0008	SF	2 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing	5.33	1.30
04 05 23 16-0009	SF	3 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing	5.70	1.30
04 05 23 16-0010	SF	5 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing	7.01	1.30
04 05 23 16-0011	SF	7 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing	8.23	1.30

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 23 16-0012		Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing *(04 05 23 16-0001)*		
04 05 23 16-0013	SF	2 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	5.02	1.30
04 05 23 16-0014	SF	3 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	5.53	1.30
04 05 23 16-0015	SF	5 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	6.27	1.30
04 05 23 16-0016	SF	7 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	7.82	1.30
04 05 23 16-0017		Copper Through Wall Flashing *(04 05 23 16)*		
04 05 23 16-0018		2 Sides Coated With Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0017)*		
04 05 23 16-0019	SF	2 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	4.31	1.21
04 05 23 16-0020	SF	3 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	4.61	1.21
04 05 23 16-0021	SF	5 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	5.45	1.21
04 05 23 16-0022	SF	7 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	6.19	1.21
04 05 23 16-0023	SF	10 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	6.50	1.21
04 05 23 16-0024		2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0017)*		
04 05 23 16-0025	SF	2 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	4.61	1.21
04 05 23 16-0026	SF	3 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	4.87	1.21
04 05 23 16-0027	SF	5 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	5.84	1.21
04 05 23 16-0028	SF	7 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	6.73	1.21
04 05 23 16-0029	SF	10 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	7.25	1.21
04 05 23 16-0030		1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0017)*		
04 05 23 16-0031	SF	2 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	4.34	1.21
04 05 23 16-0032	SF	3 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	4.65	1.21
04 05 23 16-0033	SF	5 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	5.48	1.21
04 05 23 16-0034	SF	7 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	6.22	1.21
04 05 23 16-0035	SF	10 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	6.53	1.21
04 05 23 16-0036		2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0017)*		
04 05 23 16-0037	SF	2 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	4.38	1.21
04 05 23 16-0038	SF	3 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	4.75	1.21
04 05 23 16-0039	SF	5 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	5.30	1.21
04 05 23 16-0040	SF	7 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	6.43	1.21
04 05 23 16-0041	SF	10 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	6.28	1.21
04 05 23 16-0042		2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0017)*		
04 05 23 16-0043	SF	3 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing	5.62	1.21
04 05 23 16-0044	SF	5 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing	6.74	1.21
04 05 23 16-0045		2 Sides Glass Fabric, Thru-Wall Copper Flashing *(04 05 23 16-0017)* Note: Glass fabric is bonded to both sides with a non-asphaltic adhesive.		
04 05 23 16-0046	SF	3 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing.	4.97	1.21
04 05 23 16-0047	SF	5 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing.	5.97	1.21
04 05 23 16-0048		Stainless Steel Through Wall Flashing *(04 05 23 16)*		
04 05 23 16-0049		Paper Backed 2 Sides, Stainless Steel Through Wall Flashing *(04 05 23 16-0048)*		
04 05 23 16-0050	SF	0.005" Thick Paper Backed 2 Sides, Stainless Steel Through Wall Flashing	5.47	1.21
04 05 23 16-0051		Polyvinyl Chloride (PVC) Through Wall Flashing *(04 05 23 16)*		
04 05 23 16-0052	SF	0.010" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	2.62	1.14
04 05 23 16-0053	SF	0.020" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	2.72	1.14
04 05 23 16-0054	SF	0.030" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	2.83	1.14
04 05 23 16-0055	SF	0.056" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	3.20	1.14
04 05 23 19		**Masonry Cavity Drainage, Weepholes, And Vents** *(04 05 23)*		
04 05 23 19-0001		Brick Vents, 4" Deep, With Insect Screen *(04 05 23 19)* Note: 0.100" nominal wall thickness, three mortar ribs on top and bottom of frame.		
04 05 23 19-0002	EA	8-1/8" x 2-3/8" Aluminum Brick Vent	46.14	
04 05 23 19-0003	EA	8-1/8" x 4-3/4" Aluminum Brick Vent	57.09	
04 05 23 19-0004	EA	8-1/8" x 7-3/4" Aluminum Brick Vent	71.72	
04 05 23 19-0005	EA	12" x 2-3/8" Aluminum Brick Vent	55.88	
04 05 23 19-0006	EA	12" x 4-3/4" Aluminum Brick Vent	68.83	
04 05 23 19-0007	EA	12" x 7-3/4" Aluminum Brick Vent	86.73	
04 05 23 19-0008	EA	16-1/2" x 2-3/8" Aluminum Brick Vent	65.66	
04 05 23 19-0009	EA	16-1/2" x 4-3/4" Aluminum Brick Vent	88.43	
04 05 23 19-0010	EA	16-1/2" x 7-3/4" Aluminum Brick Vent	107.47	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 23 19-0011	EA	24" x 2-3/8" Aluminum Brick Vent	88.07	
04 05 23 19-0012	EA	24" x 4-3/4" Aluminum Brick Vent	114.48	
04 05 23 19-0013	EA	24" x 7-3/4" Aluminum Brick Vent	140.14	

04 05 26 Masonry Scaffolding *(04 05)*

Note: Costs based on one use per month. For use with unit masonry construction only. Height shown in tasks is for height of work. Includes assembly and disassembly of scaffolding.

04 05 26 00-0001 Scaffolding Rental *(04 05 26)*

Note: Total square foot of area is determined by the square foot of wall area at which scaffolding is required, above the established 4' working height limit. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps and building ties, etc.

04 05 26 00-0002	CSF	Exterior Building Scaffolding, 1 To 5 Story, Tubular Steel, Based On 1 Use/Month	339.95	
		For Each Additional Month Of Rental, Add	*96.81*	
		For Additional Erection And Dismantling Of Scaffolding, Add	*243.14*	
04 05 26 00-0003	CSF	Exterior Building Scaffolding, 6 To 12 Story, Tubular Steel, Based On 1 Use/Month	417.35	
		For Each Additional Month Of Rental, Add	*88.45*	
		For Additional Erection And Dismantling Of Scaffolding, Add	*328.90*	
04 05 26 00-0004	CSF	Interior Scaffolding Wall, Up To 16' Tubular Steel, Based On 1 Use/Month	273.23	
		For Each Additional Month Of Rental, Add	*93.13*	
		For Additional Erection And Dismantling Of Scaffolding, Add	*180.10*	
04 05 26 00-0005	CSF	Interior Scaffolding Wall, 16' - 30' Tubular Steel, Based On 1 Use/Month	312.60	
		For Each Additional Month Of Rental, Add	*94.97*	
		For Additional Erection And Dismantling Of Scaffolding, Add	*217.63*	

04 20 Unit Masonry *(04)*

Note: Includes pointing and cleaning of new brick and mortar. Includes cutting of new bricks/blocks to size.

04 21 Clay Unit Masonry *(04 20)*

04 21 13 Brick Masonry *(04 21)*

Note: Includes brick and mortar. See CSI section 04 05 19 13-0000 for reinforcing, 04 05 19 16-0000 for masonry anchors, 04 05 26 00-0000 for scaffolding.

04 21 13 00-0001 Standard Size Brick With Running Bond *(04 21 13)*

Note: Standard size brick, 2-2/3" x 4" x 8".

04 21 13 00-0002 Red Face Brick *(04 21 13 00-0001)*

04 21 13 00-0003	SF	Standard Size Red Face Brick - Veneer (6.4/SF With Running Bond)	17.87	
		For Full Header Every 6th Course, Add		*0.58*
		For English, Full Header Every Second Course, Add		*1.17*
		For Flemish, Alternate Header Every Course, Add		*2.35*
		For Curved Wall Application, Add		*2.91*
		For Interior Veneer Construction, Add		*2.19*
		For Stacked Bond, Add		*1.62*
		For Battered Walls (Variable Depth Surface Placement), Add		*3.64*
		For Corbels, Add		*10.93*
		For Colored Mortar, Add		*0.33*
		For Basket Weave Or Soldier Bond Pattern, Add		*1.62*
		For Herringbone Pattern, Add		*2.52*
		For Severe Weather (SW) Brick, Add		*0.50*
		For Close Tolerance (FBX), Add		*1.70*
		For Small Area Replacements (Individual Areas) <10 SF, Add		*22.02*
		For Columns Where The Shortest Distance From Corner to Corner Is <3', Add		*14.74*
04 21 13 00-0004	SF	Standard Size Red Face Brick - Cavity Wall (6.4/SF With Running Bond)	20.70	
		For Full Header Every 6th Course, Add		*0.70*
		For English, Full Header Every Second Course, Add		*1.39*
		For Flemish, Alternate Header Every Course, Add		*2.78*
		For Curved Wall Application, Add		*3.48*
		For Interior Veneer Construction, Add		*2.61*
		For Stacked Bond, Add		*1.91*
		For Battered Walls (Variable Depth Surface Placement), Add		*4.35*
		For Corbels, Add		*13.05*
		For Colored Mortar, Add		*0.33*
		For Basket Weave Or Soldier Bond Pattern, Add		*1.91*
		For Herringbone Pattern, Add		*2.94*
		For Severe Weather (SW) Brick, Add		*0.50*
		For Close Tolerance (FBX), Add		*1.99*
		For Small Area Replacements (Individual Areas) <10 SF, Add		*26.27*
		For Columns Where The Shortest Distance From Corner to Corner Is <3', Add		*17.57*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0005	SF	Standard Size Red Face Brick - 9" Solid Wall (12.7/SF With Running Bond)	29.71	
		For Full Header Every 6th Course, Add	*0.93*	
		For English, Full Header Every Second Course, Add	*1.86*	
		For Flemish, Alternate Header Every Course, Add	*3.80*	
		For Curved Wall Application, Add	*4.64*	
		For Interior Veneer Construction, Add	*3.48*	
		For Stacked Bond, Add	*2.65*	
		For Battered Walls (Variable Depth Surface Placement), Add	*5.80*	
		For Corbels, Add	*17.39*	
		For Colored Mortar, Add	*0.65*	
		For Basket Weave Or Soldier Bond Pattern, Add	*2.65*	
		For Herringbone Pattern, Add	*4.13*	
		For Severe Weather (SW) Brick, Add	*0.98*	
		For Close Tolerance (FBX), Add	*2.81*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*35.11*	
		For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	*23.52*	
04 21 13 00-0006		Common Brick *(04 21 13 00-0001)*		
04 21 13 00-0007	SF	Select Common Brick For Veneer (6.4/SF)	17.09	
		For Full Header Every 6th Course, Add	*0.55*	
		For English, Full Header Every Second Course, Add	*1.10*	
		For Flemish, Alternate Header Every Course, Add	*2.23*	
		For Curved Wall Application, Add	*2.76*	
		For Interior Veneer Construction, Add	*2.07*	
		For Stacked Bond, Add	*1.54*	
		For Battered Walls (Variable Depth Surface Placement), Add	*3.45*	
		For Corbels, Add	*10.34*	
		For Colored Mortar, Add	*0.33*	
		For Basket Weave Or Soldier Bond Pattern, Add	*1.54*	
		For Herringbone Pattern, Add	*2.40*	
		For Severe Weather (SW) Brick, Add	*0.50*	
		For Close Tolerance (FBX), Add	*1.63*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*20.85*	
		For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	*13.96*	
04 21 13 00-0008	SF	Common Brick - 4" Back-up (6.4/SF)	15.23	
		For Full Header Every 6th Course, Add	*0.49*	
		For English, Full Header Every Second Course, Add	*0.98*	
		For Flemish, Alternate Header Every Course, Add	*1.99*	
		For Curved Wall Application, Add	*2.46*	
		For Interior Veneer Construction, Add	*1.84*	
		For Stacked Bond, Add	*1.38*	
		For Battered Walls (Variable Depth Surface Placement), Add	*3.07*	
		For Corbels, Add	*9.21*	
		For Colored Mortar, Add	*0.30*	
		For Basket Weave Or Soldier Bond Pattern, Add	*1.38*	
		For Herringbone Pattern, Add	*2.14*	
		For Severe Weather (SW) Brick, Add	*0.44*	
		For Close Tolerance (FBX), Add	*1.45*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*18.57*	
		For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	*12.43*	
04 21 13 00-0009	SF	Common Brick - 8" Back-up (12.7/SF)	27.09	
		For Full Header Every 6th Course, Add	*0.85*	
		For English, Full Header Every Second Course, Add	*1.70*	
		For Flemish, Alternate Header Every Course, Add	*3.48*	
		For Curved Wall Application, Add	*4.25*	
		For Interior Veneer Construction, Add	*3.19*	
		For Stacked Bond, Add	*2.42*	
		For Battered Walls (Variable Depth Surface Placement), Add	*5.31*	
		For Corbels, Add	*15.93*	
		For Colored Mortar, Add	*0.59*	
		For Basket Weave Or Soldier Bond Pattern, Add	*2.42*	
		For Herringbone Pattern, Add	*3.77*	
		For Severe Weather (SW) Brick, Add	*0.88*	
		For Close Tolerance (FBX), Add	*2.56*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*32.15*	
		For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	*21.53*	
04 21 13 00-0010	SF	Common Brick - 12" Solid (19/SF)	38.48	
		For Full Header Every 6th Course, Add	*1.19*	
		For English, Full Header Every Second Course, Add	*2.38*	
		For Flemish, Alternate Header Every Course, Add	*4.90*	
		For Curved Wall Application, Add	*5.95*	
		For Interior Veneer Construction, Add	*4.46*	
		For Stacked Bond, Add	*3.41*	
		For Battered Walls (Variable Depth Surface Placement), Add	*7.44*	
		For Corbels, Add	*22.31*	
		For Colored Mortar, Add	*0.87*	
		For Basket Weave Or Soldier Bond Pattern, Add	*3.41*	
		For Herringbone Pattern, Add	*5.34*	
		For Severe Weather (SW) Brick, Add	*1.31*	
		For Close Tolerance (FBX), Add	*3.63*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*45.05*	
		For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	*30.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0011	SF	Common Brick - 16" Solid (25.4/SF)	48.83	
		For Full Header Every 6th Course, Add	*1.49*	
		For English, Full Header Every Second Course, Add	*2.98*	
		For Flemish, Alternate Header Every Course, Add	*6.16*	
		For Curved Wall Application, Add	*7.44*	
		For Interior Veneer Construction, Add	*5.58*	
		For Stacked Bond, Add	*4.30*	
		For Battered Walls (Variable Depth Surface Placement), Add	*9.30*	
		For Corbels, Add	*27.89*	
		For Colored Mortar, Add	*1.16*	
		For Basket Weave Or Soldier Bond Pattern, Add	*4.30*	
		For Herringbone Pattern, Add	*6.74*	
		For Severe Weather (SW) Brick, Add	*1.75*	
		For Close Tolerance (FBX), Add	*4.59*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*56.37*	
		For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	*37.77*	
04 21 13 00-0012	SF	Common Brick As 4" Wall Face Brick (6.4/SF)	17.09	
		For Full Header Every 6th Course, Add	*0.55*	
		For English, Full Header Every Second Course, Add	*1.10*	
		For Flemish, Alternate Header Every Course, Add	*2.23*	
		For Curved Wall Application, Add	*2.76*	
		For Interior Veneer Construction, Add	*2.07*	
		For Stacked Bond, Add	*1.54*	
		For Battered Walls (Variable Depth Surface Placement), Add	*3.45*	
		For Corbels, Add	*10.34*	
		For Colored Mortar, Add	*0.33*	
		For Basket Weave Or Soldier Bond Pattern, Add	*1.54*	
		For Herringbone Pattern, Add	*2.40*	
		For Severe Weather (SW) Brick, Add	*0.50*	
		For Close Tolerance (FBX), Add	*1.63*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*20.85*	
		For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	*13.96*	

04 21 13 00-0013 Glazed Brick *(04 21 13 00-0001)*

04 21 13 00-0014	SF	Glazed Brick Veneer (7.4/SF)	30.68	
		For Full Header Every 6th Course, Add	*0.66*	
		For English, Full Header Every Second Course, Add	*1.32*	
		For Flemish, Alternate Header Every Course, Add	*3.18*	
		For Curved Wall Application, Add	*3.29*	
		For Interior Veneer Construction, Add	*2.47*	
		For Stacked Bond, Add	*2.36*	
		For Battered Walls (Variable Depth Surface Placement), Add	*4.12*	
		For Corbels, Add	*12.35*	
		For Colored Mortar, Add	*1.42*	
		For Basket Weave Or Soldier Bond Pattern, Add	*2.36*	
		For Herringbone Pattern, Add	*3.89*	
		For Severe Weather (SW) Brick, Add	*2.13*	
		For Close Tolerance (FBX), Add	*2.71*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*25.42*	
		For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	*17.18*	

04 21 13 00-0015 Buff Or Gray Face Brick *(04 21 13 00-0001)*

04 21 13 00-0016	SF	Buff (Gray) Face Brick - Veneer (6.4/SF)	18.55	
		For Full Header Every 6th Course, Add	*0.58*	
		For English, Full Header Every Second Course, Add	*1.17*	
		For Flemish, Alternate Header Every Course, Add	*2.38*	
		For Curved Wall Application, Add	*2.91*	
		For Interior Veneer Construction, Add	*2.19*	
		For Stacked Bond, Add	*1.66*	
		For Battered Walls (Variable Depth Surface Placement), Add	*3.64*	
		For Corbels, Add	*10.93*	
		For Colored Mortar, Add	*0.40*	
		For Basket Weave Or Soldier Bond Pattern, Add	*1.66*	
		For Herringbone Pattern, Add	*2.58*	
		For Severe Weather (SW) Brick, Add	*0.60*	
		For Close Tolerance (FBX), Add	*1.76*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*22.05*	
		For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	*14.77*	
04 21 13 00-0017	SF	Buff (Gray) Face Brick - Cavity Wall (6.4/SF)	18.55	
		For Full Header Every 6th Course, Add	*0.58*	
		For English, Full Header Every Second Course, Add	*1.17*	
		For Flemish, Alternate Header Every Course, Add	*2.38*	
		For Curved Wall Application, Add	*2.91*	
		For Interior Veneer Construction, Add	*2.19*	
		For Stacked Bond, Add	*1.66*	
		For Battered Walls (Variable Depth Surface Placement), Add	*3.64*	
		For Corbels, Add	*10.93*	
		For Colored Mortar, Add	*0.40*	
		For Basket Weave Or Soldier Bond Pattern, Add	*1.66*	
		For Herringbone Pattern, Add	*2.58*	
		For Severe Weather (SW) Brick, Add	*0.60*	
		For Close Tolerance (FBX), Add	*1.76*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*22.05*	
		For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	*14.77*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0018		**Jumbo Or Oversized Face Brick** *(04 21 13)* Note: Jumbo utility: 4" x 4" x 12", 6" jumbo: 6" x 4" x 12", 8" jumbo: 8" x 4" x 12".		
04 21 13 00-0019		**Jumbo Or Oversize Brick Red Face Running Bond** *(04 21 13 00-0018)*		
04 21 13 00-0020	SF	Jumbo Red Face Brick - 4" Veneer (3.0/SF With Running Bond)	13.34	
		For Full Header Every 6th Course, Add	*0.40*	
		For English, Full Header Every Second Course, Add	*0.79*	
		For Flemish, Alternate Header Every Course, Add	*1.66*	
		For Curved Wall Application, Add	*1.99*	
		For Interior Veneer Construction, Add	*1.49*	
		For Stacked Bond, Add	*1.16*	
		For Battered Walls (Variable Depth Surface Placement), Add	*2.48*	
		For Corbels, Add	*7.45*	
		For Colored Mortar, Add	*0.34*	
		For Basket Weave Or Soldier Bond Pattern, Add	*1.16*	
		For Herringbone Pattern, Add	*1.83*	
		For Severe Weather (SW) Brick, Add	*0.51*	
		For Close Tolerance (FBX), Add	*1.25*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*15.07*	
		For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	*10.10*	
04 21 13 00-0021	SF	Jumbo Red Face Brick - Cavity Wall (3.0/SF With Running Bond)	15.00	
		For Full Header Every 6th Course, Add	*0.46*	
		For English, Full Header Every Second Course, Add	*0.93*	
		For Flemish, Alternate Header Every Course, Add	*1.91*	
		For Curved Wall Application, Add	*2.32*	
		For Interior Veneer Construction, Add	*1.74*	
		For Stacked Bond, Add	*1.33*	
		For Battered Walls (Variable Depth Surface Placement), Add	*2.90*	
		For Corbels, Add	*8.69*	
		For Colored Mortar, Add	*0.34*	
		For Basket Weave Or Soldier Bond Pattern, Add	*1.33*	
		For Herringbone Pattern, Add	*2.08*	
		For Severe Weather (SW) Brick, Add	*0.51*	
		For Close Tolerance (FBX), Add	*1.41*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*17.56*	
		For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	*11.76*	
04 21 13 00-0022	SF	Jumbo Red Face Brick - 4" Back-up (3.0/SF With Running Bond)	12.30	
		For Full Header Every 6th Course, Add	*0.39*	
		For English, Full Header Every Second Course, Add	*0.78*	
		For Flemish, Alternate Header Every Course, Add	*1.59*	
		For Curved Wall Application, Add	*1.96*	
		For Interior Veneer Construction, Add	*1.47*	
		For Stacked Bond, Add	*1.10*	
		For Battered Walls (Variable Depth Surface Placement), Add	*2.45*	
		For Corbels, Add	*7.34*	
		For Colored Mortar, Add	*0.25*	
		For Basket Weave Or Soldier Bond Pattern, Add	*1.10*	
		For Herringbone Pattern, Add	*1.72*	
		For Severe Weather (SW) Brick, Add	*0.38*	
		For Close Tolerance (FBX), Add	*1.17*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*14.80*	
		For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	*9.91*	
04 21 13 00-0023	SF	Jumbo Red Face Brick - 8" Back-up (6.0/SF With Running Bond)	19.91	
		For Full Header Every 6th Course, Add	*0.60*	
		For English, Full Header Every Second Course, Add	*1.19*	
		For Flemish, Alternate Header Every Course, Add	*2.48*	
		For Curved Wall Application, Add	*2.98*	
		For Interior Veneer Construction, Add	*2.23*	
		For Stacked Bond, Add	*1.74*	
		For Battered Walls (Variable Depth Surface Placement), Add	*3.72*	
		For Corbels, Add	*11.16*	
		For Colored Mortar, Add	*0.50*	
		For Basket Weave Or Soldier Bond Pattern, Add	*1.74*	
		For Herringbone Pattern, Add	*2.74*	
		For Severe Weather (SW) Brick, Add	*0.75*	
		For Close Tolerance (FBX), Add	*1.87*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*22.57*	
		For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	*15.13*	
04 21 13 00-0024	SF	Jumbo Red Face Brick - 12" Solid (9.0/SF With Running Bond)	30.88	
		For Full Header Every 6th Course, Add	*0.83*	
		For English, Full Header Every Second Course, Add	*1.65*	
		For Flemish, Alternate Header Every Course, Add	*3.61*	
		For Curved Wall Application, Add	*4.13*	
		For Interior Veneer Construction, Add	*3.10*	
		For Stacked Bond, Add	*2.58*	
		For Battered Walls (Variable Depth Surface Placement), Add	*5.16*	
		For Corbels, Add	*15.49*	
		For Colored Mortar, Add	*1.02*	
		For Basket Weave Or Soldier Bond Pattern, Add	*2.58*	
		For Herringbone Pattern, Add	*4.12*	
		For Severe Weather (SW) Brick, Add	*1.53*	
		For Close Tolerance (FBX), Add	*2.83*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*31.49*	
		For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	*21.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0025	SF	Jumbo Red Face Brick - 16" Solid (12.0/SF With Running Bond)	39.06	
		For Full Header Every 6th Course, Add	*1.02*	
		For English, Full Header Every Second Course, Add	*2.03*	
		For Flemish, Alternate Header Every Course, Add	*4.50*	
		For Curved Wall Application, Add	*5.08*	
		For Interior Veneer Construction, Add	*3.81*	
		For Stacked Bond, Add	*3.22*	
		For Battered Walls (Variable Depth Surface Placement), Add	*6.36*	
		For Corbels, Add	*19.07*	
		For Colored Mortar, Add	*1.36*	
		For Basket Weave Or Soldier Bond Pattern, Add	*3.22*	
		For Herringbone Pattern, Add	*5.18*	
		For Severe Weather (SW) Brick, Add	*2.05*	
		For Close Tolerance (FBX), Add	*3.57*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*38.81*	
		For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	*26.10*	
04 21 13 00-0026		Other Brick Shapes *(04 21 13)*		
04 21 13 00-0027		Norman Face Brick *(04 21 13 00-0026)*		
		Note: 2-2/3" x 4" x 12".		
04 21 13 00-0028		Norman Brick, Red Face Running Bond *(04 21 13 00-0027)*		
04 21 13 00-0029	SF	Red Face Norman Brick - Veneer (4.5/SF With Running Bond)	18.53	
		For Buff Or Gray Face, Add	*0.72*	
		For Marble Chip, Add	*0.94*	
		For Full Header Every 6th Course, Add	*0.57*	
		For English, Full Header Every Second Course, Add	*1.14*	
		For Flemish, Alternate Header Every Course, Add	*2.35*	
		For Curved Wall Application, Add	*2.85*	
		For Interior Veneer Construction, Add	*2.13*	
		For Stacked Bond, Add	*1.64*	
		For Battered Walls (Variable Depth Surface Placement), Add	*3.56*	
		For Corbels, Add	*10.67*	
		For Colored Mortar, Add	*0.43*	
		For Basket Weave Or Soldier Bond Pattern, Add	*1.64*	
		For Herringbone Pattern, Add	*2.56*	
		For Severe Weather (SW) Brick, Add	*0.65*	
		For Close Tolerance (FBX), Add	*1.75*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*21.56*	
		For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	*14.45*	
04 21 13 00-0030	SF	Red Face Norman Brick - Cavity Wall (4.5/SF With Running Bond)	20.86	
		For Buff Or Gray Face, Add	*0.72*	
		For Marble Chip, Add	*0.94*	
		For Full Header Every 6th Course, Add	*0.66*	
		For English, Full Header Every Second Course, Add	*1.32*	
		For Flemish, Alternate Header Every Course, Add	*2.70*	
		For Curved Wall Application, Add	*3.31*	
		For Interior Veneer Construction, Add	*2.48*	
		For Stacked Bond, Add	*1.87*	
		For Battered Walls (Variable Depth Surface Placement), Add	*4.14*	
		For Corbels, Add	*12.42*	
		For Colored Mortar, Add	*0.43*	
		For Basket Weave Or Soldier Bond Pattern, Add	*1.87*	
		For Herringbone Pattern, Add	*2.91*	
		For Severe Weather (SW) Brick, Add	*0.65*	
		For Close Tolerance (FBX), Add	*1.98*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*25.06*	
		For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	*16.78*	
04 21 13 00-0031		Engineer Brick *(04 21 13 00-0026)*		
		Note: 3-1/5" x 4" x 8".		
04 21 13 00-0032		Engineer Brick, Red Face Running Bond *(04 21 13 00-0031)*		
04 21 13 00-0033	SF	Engineer Brick - Veneer (5.06/SF With Running Bond)	18.32	
		For Full Header Every 6th Course, Add	*0.57*	
		For English, Full Header Every Second Course, Add	*1.14*	
		For Flemish, Alternate Header Every Course, Add	*2.34*	
		For Curved Wall Application, Add	*2.85*	
		For Interior Veneer Construction, Add	*2.13*	
		For Stacked Bond, Add	*1.63*	
		For Battered Walls (Variable Depth Surface Placement), Add	*3.56*	
		For Corbels, Add	*10.67*	
		For Colored Mortar, Add	*0.41*	
		For Basket Weave Or Soldier Bond Pattern, Add	*1.63*	
		For Herringbone Pattern, Add	*2.54*	
		For Severe Weather (SW) Brick, Add	*0.61*	
		For Close Tolerance (FBX), Add	*1.73*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*21.55*	
		For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	*14.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0034	SF	Engineer Brick - Cavity Wall (5.06/SF With Running Bond)	20.65	
		For Full Header Every 6th Course, Add	*0.66*	
		For English, Full Header Every Second Course, Add	*1.32*	
		For Flemish, Alternate Header Every Course, Add	*2.69*	
		For Curved Wall Application, Add	*3.31*	
		For Interior Veneer Construction, Add	*2.48*	
		For Stacked Bond, Add	*1.86*	
		For Battered Walls (Variable Depth Surface Placement), Add	*4.14*	
		For Corbels, Add	*12.42*	
		For Colored Mortar, Add	*0.41*	
		For Basket Weave Or Soldier Bond Pattern, Add	*1.86*	
		For Herringbone Pattern, Add	*2.89*	
		For Severe Weather (SW) Brick, Add	*0.61*	
		For Close Tolerance (FBX), Add	*1.96*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*25.04*	
		For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	*16.76*	
04 21 13 00-0035		Roman Brick *(04 21 13 00-0026)*		
		Note: 2" x 4" x 12" or Baby Roman 2" x 4" x 8".		
04 21 13 00-0036		Roman Brick, Red Face Running Bond *(04 21 13 00-0035)*		
04 21 13 00-0037	SF	Roman Brick - Veneer (5.23/SF With Running Bond)	19.43	
		For Full Header Every 6th Course, Add	*0.57*	
		For English, Full Header Every Second Course, Add	*1.14*	
		For Flemish, Alternate Header Every Course, Add	*2.39*	
		For Curved Wall Application, Add	*2.85*	
		For Interior Veneer Construction, Add	*2.13*	
		For Stacked Bond, Add	*1.68*	
		For Battered Walls (Variable Depth Surface Placement), Add	*3.56*	
		For Corbels, Add	*10.67*	
		For Colored Mortar, Add	*0.52*	
		For Basket Weave Or Soldier Bond Pattern, Add	*1.68*	
		For Herringbone Pattern, Add	*2.65*	
		For Severe Weather (SW) Brick, Add	*0.78*	
		For Close Tolerance (FBX), Add	*1.81*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*21.61*	
		For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	*14.49*	
04 21 13 00-0038	SF	Roman Brick - Cavity Wall (5.23/SF With Running Bond)	21.76	
		For Full Header Every 6th Course, Add	*0.66*	
		For English, Full Header Every Second Course, Add	*1.32*	
		For Flemish, Alternate Header Every Course, Add	*2.74*	
		For Curved Wall Application, Add	*3.31*	
		For Interior Veneer Construction, Add	*2.48*	
		For Stacked Bond, Add	*1.92*	
		For Battered Walls (Variable Depth Surface Placement), Add	*4.14*	
		For Corbels, Add	*12.42*	
		For Colored Mortar, Add	*0.52*	
		For Basket Weave Or Soldier Bond Pattern, Add	*1.92*	
		For Herringbone Pattern, Add	*3.00*	
		For Severe Weather (SW) Brick, Add	*0.78*	
		For Close Tolerance (FBX), Add	*2.05*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*25.10*	
		For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	*16.82*	
04 21 13 00-0039	SF	Baby Roman Brick - Veneer (7.76/SF With Running Bond)	20.38	
		For Full Header Every 6th Course, Add	*0.57*	
		For English, Full Header Every Second Course, Add	*1.14*	
		For Flemish, Alternate Header Every Course, Add	*2.44*	
		For Curved Wall Application, Add	*2.85*	
		For Interior Veneer Construction, Add	*2.13*	
		For Stacked Bond, Add	*1.73*	
		For Battered Walls (Variable Depth Surface Placement), Add	*3.56*	
		For Corbels, Add	*10.67*	
		For Colored Mortar, Add	*0.62*	
		For Basket Weave Or Soldier Bond Pattern, Add	*1.73*	
		For Herringbone Pattern, Add	*2.75*	
		For Severe Weather (SW) Brick, Add	*0.92*	
		For Close Tolerance (FBX), Add	*1.88*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*21.65*	
		For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	*14.54*	
04 21 13 00-0040	SF	Baby Roman Brick - Cavity Wall (7.76/SF With Running Bond)	22.71	
		For Full Header Every 6th Course, Add	*0.66*	
		For English, Full Header Every Second Course, Add	*1.32*	
		For Flemish, Alternate Header Every Course, Add	*2.79*	
		For Curved Wall Application, Add	*3.31*	
		For Interior Veneer Construction, Add	*2.48*	
		For Stacked Bond, Add	*1.96*	
		For Battered Walls (Variable Depth Surface Placement), Add	*4.14*	
		For Corbels, Add	*12.42*	
		For Colored Mortar, Add	*0.62*	
		For Basket Weave Or Soldier Bond Pattern, Add	*1.96*	
		For Herringbone Pattern, Add	*3.10*	
		For Severe Weather (SW) Brick, Add	*0.92*	
		For Close Tolerance (FBX), Add	*2.12*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*25.15*	
		For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	*16.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0041		Norwegian Brick *(04 21 13 00-0026)* Note: 3-1/5" x 4" x 12" or 6" Norwegian 3-1/5" x 6" x 12".		
04 21 13 00-0042		Norwegian Brick, Red Face Running Bond *(04 21 13 00-0041)*		
04 21 13 00-0043	SF	Norwegian Brick - Veneer (3.41/SF With Running Bond)	17.69	
		For Full Header Every 6th Course, Add	*0.57*	
		For English, Full Header Every Second Course, Add	*1.14*	
		For Flemish, Alternate Header Every Course, Add	*2.31*	
		For Curved Wall Application, Add	*2.85*	
		For Interior Veneer Construction, Add	*2.13*	
		For Stacked Bond, Add	*1.60*	
		For Battered Walls (Variable Depth Surface Placement), Add	*3.56*	
		For Corbels, Add	*10.67*	
		For Colored Mortar, Add	*0.35*	
		For Basket Weave Or Soldier Bond Pattern, Add	*1.60*	
		For Herringbone Pattern, Add	*2.48*	
		For Severe Weather (SW) Brick, Add	*0.52*	
		For Close Tolerance (FBX), Add	*1.68*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*21.52*	
		For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	*14.40*	
04 21 13 00-0044	SF	Norwegian Brick - Cavity Wall (3.41/SF With Running Bond)	20.02	
		For Full Header Every 6th Course, Add	*0.66*	
		For English, Full Header Every Second Course, Add	*1.32*	
		For Flemish, Alternate Header Every Course, Add	*2.66*	
		For Curved Wall Application, Add	*3.31*	
		For Interior Veneer Construction, Add	*2.48*	
		For Stacked Bond, Add	*1.83*	
		For Battered Walls (Variable Depth Surface Placement), Add	*4.14*	
		For Corbels, Add	*12.42*	
		For Colored Mortar, Add	*0.35*	
		For Basket Weave Or Soldier Bond Pattern, Add	*1.83*	
		For Herringbone Pattern, Add	*2.83*	
		For Severe Weather (SW) Brick, Add	*0.52*	
		For Close Tolerance (FBX), Add	*1.92*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*25.01*	
		For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	*16.73*	
04 21 13 00-0045	SF	6" Norwegian Brick - Veneer (3.41/SF With Running Bond)	19.34	
		For Full Header Every 6th Course, Add	*0.57*	
		For English, Full Header Every Second Course, Add	*1.14*	
		For Flemish, Alternate Header Every Course, Add	*2.39*	
		For Curved Wall Application, Add	*2.85*	
		For Interior Veneer Construction, Add	*2.13*	
		For Stacked Bond, Add	*1.68*	
		For Battered Walls (Variable Depth Surface Placement), Add	*3.56*	
		For Corbels, Add	*10.67*	
		For Colored Mortar, Add	*0.51*	
		For Basket Weave Or Soldier Bond Pattern, Add	*1.68*	
		For Herringbone Pattern, Add	*2.65*	
		For Severe Weather (SW) Brick, Add	*0.77*	
		For Close Tolerance (FBX), Add	*1.81*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*21.60*	
		For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	*14.49*	
04 21 13 00-0046	SF	6" Norwegian Brick - Cavity Wall (3.41/SF With Running Bond)	21.67	
		For Full Header Every 6th Course, Add	*0.66*	
		For English, Full Header Every Second Course, Add	*1.32*	
		For Flemish, Alternate Header Every Course, Add	*2.74*	
		For Curved Wall Application, Add	*3.31*	
		For Interior Veneer Construction, Add	*2.48*	
		For Stacked Bond, Add	*1.91*	
		For Battered Walls (Variable Depth Surface Placement), Add	*4.14*	
		For Corbels, Add	*12.42*	
		For Colored Mortar, Add	*0.51*	
		For Basket Weave Or Soldier Bond Pattern, Add	*1.91*	
		For Herringbone Pattern, Add	*3.00*	
		For Severe Weather (SW) Brick, Add	*0.77*	
		For Close Tolerance (FBX), Add	*2.04*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*25.10*	
		For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	*16.82*	
04 21 13 00-0047		Double Face Brick *(04 21 13 00-0026)* Note: 5-1/3" x 4" x 8".		
04 21 13 00-0048		Double Face Brick, Red Face Running Bond *(04 21 13 00-0047)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0049	SF	Double Face Brick - Veneer (3.13/SF With Running Bond)	16.99	
		For Full Header Every 6th Course, Add	*0.57*	
		For English, Full Header Every Second Course, Add	*1.14*	
		For Flemish, Alternate Header Every Course, Add	*2.27*	
		For Curved Wall Application, Add	*2.85*	
		For Interior Veneer Construction, Add	*2.13*	
		For Stacked Bond, Add	*1.56*	
		For Battered Walls (Variable Depth Surface Placement), Add	*3.56*	
		For Corbels, Add	*10.67*	
		For Colored Mortar, Add	*0.28*	
		For Basket Weave Or Soldier Bond Pattern, Add	*1.56*	
		For Herringbone Pattern, Add	*2.41*	
		For Severe Weather (SW) Brick, Add	*0.41*	
		For Close Tolerance (FBX), Add	*1.63*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*21.48*	
		For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	*14.37*	
04 21 13 00-0050	SF	Double Face Brick - Cavity Wall (3.13/SF With Running Bond)	19.32	
		For Full Header Every 6th Course, Add	*0.66*	
		For English, Full Header Every Second Course, Add	*1.32*	
		For Flemish, Alternate Header Every Course, Add	*2.62*	
		For Curved Wall Application, Add	*3.31*	
		For Interior Veneer Construction, Add	*2.48*	
		For Stacked Bond, Add	*1.79*	
		For Battered Walls (Variable Depth Surface Placement), Add	*4.14*	
		For Corbels, Add	*12.42*	
		For Colored Mortar, Add	*0.28*	
		For Basket Weave Or Soldier Bond Pattern, Add	*1.79*	
		For Herringbone Pattern, Add	*2.76*	
		For Severe Weather (SW) Brick, Add	*0.41*	
		For Close Tolerance (FBX), Add	*1.86*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*24.98*	
		For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	*16.70*	

04 21 13 00-0051 Triple Face Brick *(04 21 13 00-0026)*
Note: 5-1/3" x 4" x 12".

04 21 13 00-0052 Triple Face Brick, Red Face Running Bond *(04 21 13 00-0051)*

04 21 13 00-0053	SF	Triple Face Brick - Veneer (2.11/SF With Running Bond)	16.54	
		For Full Header Every 6th Course, Add	*0.57*	
		For English, Full Header Every Second Course, Add	*1.14*	
		For Flemish, Alternate Header Every Course, Add	*2.25*	
		For Curved Wall Application, Add	*2.85*	
		For Interior Veneer Construction, Add	*2.13*	
		For Stacked Bond, Add	*1.54*	
		For Battered Walls (Variable Depth Surface Placement), Add	*3.56*	
		For Corbels, Add	*10.67*	
		For Colored Mortar, Add	*0.23*	
		For Basket Weave Or Soldier Bond Pattern, Add	*1.54*	
		For Herringbone Pattern, Add	*2.37*	
		For Severe Weather (SW) Brick, Add	*0.35*	
		For Close Tolerance (FBX), Add	*1.60*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*21.46*	
		For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	*14.35*	
04 21 13 00-0054	SF	Triple Face Brick - Cavity Wall (2.11/SF With Running Bond)	18.87	
		For Full Header Every 6th Course, Add	*0.66*	
		For English, Full Header Every Second Course, Add	*1.32*	
		For Flemish, Alternate Header Every Course, Add	*2.60*	
		For Curved Wall Application, Add	*3.31*	
		For Interior Veneer Construction, Add	*2.48*	
		For Stacked Bond, Add	*1.77*	
		For Battered Walls (Variable Depth Surface Placement), Add	*4.14*	
		For Corbels, Add	*12.42*	
		For Colored Mortar, Add	*0.23*	
		For Basket Weave Or Soldier Bond Pattern, Add	*1.77*	
		For Herringbone Pattern, Add	*2.72*	
		For Severe Weather (SW) Brick, Add	*0.35*	
		For Close Tolerance (FBX), Add	*1.83*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*24.96*	
		For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	*16.68*	

04 21 13 00-0055 SCR Face Brick *(04 21 13 00-0026)*
Note: 2-2/3" x 6" x 12".

04 21 13 00-0056 SCR Face Brick, Red Face Running Bond *(04 21 13 00-0055)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0057	SF	SCR Face Brick - Veneer (4.03/SF With Running Bond)	20.18	
		For Full Header Every 6th Course, Add	*0.57*	
		For English, Full Header Every Second Course, Add	*1.14*	
		For Flemish, Alternate Header Every Course, Add	*2.43*	
		For Curved Wall Application, Add	*2.85*	
		For Interior Veneer Construction, Add	*2.13*	
		For Stacked Bond, Add	*1.72*	
		For Battered Walls (Variable Depth Surface Placement), Add	*3.56*	
		For Corbels, Add	*10.67*	
		For Colored Mortar, Add	*0.60*	
		For Basket Weave Or Soldier Bond Pattern, Add	*1.72*	
		For Herringbone Pattern, Add	*2.73*	
		For Severe Weather (SW) Brick, Add	*0.89*	
		For Close Tolerance (FBX), Add	*1.87*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*21.64*	
		For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	*14.53*	
04 21 13 00-0058	SF	SCR Face Brick - Cavity Wall (4.03/SF With Running Bond)	22.51	
		For Full Header Every 6th Course, Add	*0.66*	
		For English, Full Header Every Second Course, Add	*1.32*	
		For Flemish, Alternate Header Every Course, Add	*2.78*	
		For Curved Wall Application, Add	*3.31*	
		For Interior Veneer Construction, Add	*2.48*	
		For Stacked Bond, Add	*1.95*	
		For Battered Walls (Variable Depth Surface Placement), Add	*4.14*	
		For Corbels, Add	*12.42*	
		For Colored Mortar, Add	*0.60*	
		For Basket Weave Or Soldier Bond Pattern, Add	*1.95*	
		For Herringbone Pattern, Add	*3.08*	
		For Severe Weather (SW) Brick, Add	*0.89*	
		For Close Tolerance (FBX), Add	*2.10*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*25.14*	
		For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	*16.86*	
04 21 13 00-0059		Fire Brick *(04 21 13 00-0026)*		
		Note: 3-1/5" x 4" x 12" or 6" Norwegian 3-1/5" x 6" x 12".		
04 21 13 00-0060		Fire Brick, Red Face Running Bond *(04 21 13 00-0059)*		
04 21 13 00-0061	SF	Fire Brick - Veneer (With Running Bond)	20.34	
		For Full Header Every 6th Course, Add	*0.57*	
		For English, Full Header Every Second Course, Add	*1.14*	
		For Flemish, Alternate Header Every Course, Add	*2.44*	
		For Curved Wall Application, Add	*2.85*	
		For Interior Veneer Construction, Add	*2.13*	
		For Stacked Bond, Add	*1.73*	
		For Battered Walls (Variable Depth Surface Placement), Add	*3.56*	
		For Corbels, Add	*10.67*	
		For Colored Mortar, Add	*0.61*	
		For Basket Weave Or Soldier Bond Pattern, Add	*1.73*	
		For Herringbone Pattern, Add	*2.75*	
		For Severe Weather (SW) Brick, Add	*0.92*	
		For Close Tolerance (FBX), Add	*1.88*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*21.65*	
		For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	*14.54*	
04 21 13 00-0062	SF	Fire Brick - Cavity Wall (With Running Bond)	22.67	
		For Full Header Every 6th Course, Add	*0.66*	
		For English, Full Header Every Second Course, Add	*1.32*	
		For Flemish, Alternate Header Every Course, Add	*2.79*	
		For Curved Wall Application, Add	*3.31*	
		For Interior Veneer Construction, Add	*2.48*	
		For Stacked Bond, Add	*1.96*	
		For Battered Walls (Variable Depth Surface Placement), Add	*4.14*	
		For Corbels, Add	*12.42*	
		For Colored Mortar, Add	*0.61*	
		For Basket Weave Or Soldier Bond Pattern, Add	*1.96*	
		For Herringbone Pattern, Add	*3.10*	
		For Severe Weather (SW) Brick, Add	*0.92*	
		For Close Tolerance (FBX), Add	*2.11*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*25.15*	
		For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	*16.87*	
04 21 13 00-0063		Window Sill *(04 21 13)*		
04 21 13 00-0064	LF	Window Sill, Face Brick On Edge	19.97	
04 21 19		**Clay Tile Masonry** *(04 21)*		
04 21 19 00-0001		Scored Face, Hollow, Clay Backing Tile *(04 21 19)*		
04 21 19 00-0002		Load Bearing, Scored Face, Hollow, Clay Backing Tile *(04 21 19 00-0001)*		
04 21 19 00-0003	SF	4" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	16.74	
		For Smooth Face, One Side, Add	*1.02*	
		For Smooth Face, Two Sides, Add	*1.71*	
04 21 19 00-0004	SF	6" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	18.18	
		For Smooth Face, One Side, Add	*1.13*	
		For Smooth Face, Two Sides, Add	*1.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 19 00-0005	SF	8" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	20.35	
		For Smooth Face, One Side, Add	*1.31*	
		For Smooth Face, Two Sides, Add	*2.22*	
04 21 19 00-0006	SF	10" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	27.74	
		For Smooth Face, One Side, Add	*2.01*	
		For Smooth Face, Two Sides, Add	*3.46*	
04 21 19 00-0007	SF	12" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	36.27	
		For Smooth Face, One Side, Add	*2.79*	
		For Smooth Face, Two Sides, Add	*4.85*	

04 21 19 00-0008 Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile *(04 21 19 00-0001)*

04 21 19 00-0009	SF	3" Thick Non Load Bearing, Scored Face, Hollow, Clay Backing Tile	14.07	
		For Smooth Face, One Side, Add	*0.83*	
		For Smooth Face, Two Sides, Add	*1.37*	
04 21 19 00-0010	SF	4" Thick Non Load Bearing, Scored Face, Hollow, Clay Backing Tile	16.75	
		For Smooth Face, One Side, Add	*1.07*	
		For Smooth Face, Two Sides, Add	*1.80*	
04 21 19 00-0011	SF	6" Thick Non Load Bearing, Scored Face, Hollow, Clay Backing Tile	17.20	
		For Smooth Face, One Side, Add	*1.09*	
		For Smooth Face, Two Sides, Add	*1.83*	
04 21 19 00-0012	SF	8" Thick Non Load Bearing, Scored Face, Hollow, Clay Backing Tile	25.97	
		For Smooth Face, One Side, Add	*1.91*	
		For Smooth Face, Two Sides, Add	*3.31*	
04 21 19 00-0013	SF	12" Thick Non Load Bearing, Scored Face, Hollow, Clay Backing Tile	35.23	
		For Smooth Face, One Side, Add	*2.76*	
		For Smooth Face, Two Sides, Add	*4.81*	

04 21 26 Glazed Structural Clay Tile Masonry *(04 21)*

Note: Includes tile and mortar in all colors.

04 21 26 00-0001 6T Series Structural Glazed Clay Tile *(04 21 26)*

04 21 26 00-0002 Glazed On One Side 6T Series Structural Glazed Clay Tile *(04 21 26 00-0001)*

04 21 26 00-0003	SF	2" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12"	24.17	
		For Stacked Bond, Add	*1.56*	
04 21 26 00-0004	SF	4" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12"	27.52	
		For Stacked Bond, Add	*1.56*	
		For 1 Hour Fire Rating, Add	*1.97*	
04 21 26 00-0005	SF	6" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12"	33.26	
		For Stacked Bond, Add	*1.63*	
		For 2 Hour Fire Rating, Add	*2.51*	

04 21 26 00-0006 Special Shapes 6T Series Structural Glazed Clay Tile *(04 21 26 00-0001)*

04 21 26 00-0007	LF	Bullnose, Jamb Or Sill Shapes 6T Series Structural Glazed Clay Tile	25.11	
		For Stacked Bond, Add	*1.84*	
04 21 26 00-0008	LF	2" Or 4" Cove Base 6T Series Structural Glazed Clay Tile	29.58	
		For Stacked Bond, Add	*1.84*	

04 21 26 00-0009 8W Series Structural Glazed Clay Tile *(04 21 26)*

04 21 26 00-0010 Glazed On One Side 8W Series Structural Glazed Clay Tile *(04 21 26 00-0009)*

04 21 26 00-0011	SF	2" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16"	19.44	
		For Stacked Bond, Add	*0.99*	
04 21 26 00-0012	SF	4" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16"	24.04	
		For Stacked Bond, Add	*1.06*	
		For 1 Hour Fire Rating, Add	*1.87*	
04 21 26 00-0013	SF	6" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16"	32.17	
		For Stacked Bond, Add	*1.13*	
		For 2 Hour Fire Rating, Add	*2.65*	

04 21 26 00-0014 Special Shapes 8W Series Structural Glazed Clay Tile *(04 21 26 00-0009)*

04 21 26 00-0015	LF	Bullnose, Jamb Or Sill Shapes 8W Series Structural Glazed Clay Tile	26.25	
		For Stacked Bond, Add	*1.28*	
04 21 26 00-0016	LF	2" Or 4" Cove Base 8W Series Structural Glazed Clay Tile	26.30	
		For Stacked Bond, Add	*1.28*	

04 21 26 00-0017 4W Series Structural Glazed Clay Tile *(04 21 26)*

04 21 26 00-0018 Glazed On One Side 4W Series Structural Glazed Clay Tile *(04 21 26 00-0017)*

04 21 26 00-0019	SF	2" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"	25.43	
		For Stacked Bond, Add	*1.56*	
04 21 26 00-0020	SF	4" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"	27.31	
		For Stacked Bond, Add	*1.56*	
		For 1 Hour Fire Rating, Add	*1.95*	
04 21 26 00-0021	SF	6" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"	33.89	
		For Stacked Bond, Add	*1.63*	
		For 2 Hour Fire Rating, Add	*2.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 26 00-0022		Special Shapes 4W Series Structural Glazed Clay Tile *(04 21 26 00-0017)*		
04 21 26 00-0023	LF	Bullnose, Jamb Or Sill Shapes 4W Series Structural Glazed Clay Tile	25.39	
		For Stacked Bond, Add	*1.84*	
04 21 26 00-0024	LF	2" Or 4" Cove Base 4W Series Structural Glazed Clay Tile	29.44	
		For Stacked Bond, Add	*1.84*	
04 21 26 00-0025		6T Series Sound Absorbing Structural Glazed Tile *(04 21 26)*		
04 21 26 00-0026	SF	4" Thick, 6T Sound Absorbing Structural Glazed Tile	36.93	
04 21 26 00-0027	SF	6" Thick, 6T Sound Absorbing Structural Glazed Tile	40.34	
04 21 26 00-0028	SF	8" Thick, 6T Sound Absorbing Structural Glazed Tile	46.95	
04 21 26 00-0029		8T Series Sound Absorbing Structural Glazed Tile *(04 21 26)*		
04 21 26 00-0030	SF	4" Thick, 8T Sound Absorbing Structural Glazed Tile	49.56	
04 21 26 00-0031	SF	6" Thick, 8T Sound Absorbing Structural Glazed Tile	57.17	
04 21 26 00-0032	SF	8" Thick, 8T Acoustical Glazed Tile	67.04	
04 21 29		**Terra Cotta Masonry** *(04 21)*		
04 21 29 00-0001		Coping *(04 21 29)*		
		Note: Includes caulk and ties. Excludes drilling into existing materials or other anchoring bolts.		
04 21 29 00-0002	CF	Thick Terra Cotta Coping (Veneer)	129.23	30.09
		For Smooth Tile Instead Of Scored, Add	*11.39*	
		For Reinforcing With Steel Rods, Add	*12.79*	
04 21 29 00-0003		Partition Or Back Up (Scored) *(04 21 29)*		
04 21 29 00-0004		Non-load Bearing, 12" x 12" *(04 21 29 00-0003)*		
04 21 29 00-0005	SF	3" Thick Terra Cotta, Non Load Bearing 12" x 12" Scored Face, Back-Up Partitions	14.53	
		For Smooth Tile Instead Of Scored, Add	*1.64*	
		For Reinforcing With Steel Rods, Add	*1.64*	
04 21 29 00-0006	SF	4" Thick Terra Cotta, Non Load Bearing 12" x 12" Scored Face, Back-Up Partitions	15.50	
		For Smooth Tile Instead Of Scored, Add	*1.72*	
		For Reinforcing With Steel Rods, Add	*1.73*	
04 21 29 00-0007	SF	6" Thick Terra Cotta, Non Load Bearing 12" x 12" Scored Face, Back-Up Partitions	19.65	
		For Smooth Tile Instead Of Scored, Add	*2.35*	
		For Reinforcing With Steel Rods, Add	*2.29*	
04 21 29 00-0008	SF	8" Thick Terra Cotta, Non Load Bearing 12" x 12" Scored Face, Back-Up Partitions	23.83	
		For Smooth Tile Instead Of Scored, Add	*2.95*	
		For Reinforcing With Steel Rods, Add	*2.83*	
04 21 29 00-0009		Load Bearing, 12" x 12" *(04 21 29 00-0003)*		
04 21 29 00-0010		In Walls *(04 21 29 00-0009)*		
04 21 29 00-0011	SF	4" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	16.34	
		For Smooth Tile Instead Of Scored, Add	*1.87*	
		For Reinforcing With Steel Rods, Add	*1.86*	
04 21 29 00-0012	SF	6" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	21.56	
		For Smooth Tile Instead Of Scored, Add	*2.69*	
		For Reinforcing With Steel Rods, Add	*2.57*	
04 21 29 00-0013	SF	8" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	25.69	
		For Smooth Tile Instead Of Scored, Add	*3.29*	
		For Reinforcing With Steel Rods, Add	*3.11*	
04 21 29 00-0014	SF	10" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	27.18	
		For Smooth Tile Instead Of Scored, Add	*3.36*	
		For Reinforcing With Steel Rods, Add	*3.23*	
04 21 29 00-0015	SF	12" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	32.55	
		For Smooth Tile Instead Of Scored, Add	*4.08*	
		For Reinforcing With Steel Rods, Add	*3.89*	
04 21 29 00-0016		In Floors *(04 21 29 00-0009)*		
04 21 29 00-0017	SF	4" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	14.36	
		For Smooth Tile Instead Of Scored, Add	*1.87*	
		For Reinforcing With Steel Rods, Add	*1.76*	
04 21 29 00-0018	SF	6" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	19.36	
		For Smooth Tile Instead Of Scored, Add	*2.69*	
		For Reinforcing With Steel Rods, Add	*2.46*	
04 21 29 00-0019	SF	8" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	23.43	
		For Smooth Tile Instead Of Scored, Add	*3.29*	
		For Reinforcing With Steel Rods, Add	*3.00*	
04 21 29 00-0020	SF	10" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	24.63	
		For Smooth Tile Instead Of Scored, Add	*3.36*	
		For Reinforcing With Steel Rods, Add	*3.10*	
04 21 29 00-0021	SF	12" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	29.25	
		For Smooth Tile Instead Of Scored, Add	*4.08*	
		For Reinforcing With Steel Rods, Add	*3.73*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

04 22 Concrete Unit Masonry *(04 20)*

Note: Includes block and mortar. Excludes horizontal and vertical reinforcing. See CSI section 04 05 19 13-0000 for joint reinforcing.

04 22 23 Architectural Concrete Unit Masonry *(04 22)*

04 22 23 13 Exposed Aggregate Concrete Unit Masonry *(04 22 23)*

04 22 23 13-0001 Back-Up Concrete Blocks *(04 22 23 13)*

04 22 23 13-0002 Back-Up Concrete Blocks *(04 22 23 13-0001)*

04 22 23 13-0003	SF	8" x 16" x 2", Solid, Back-Up Concrete Block	8.66	
		For Special Color, Add	*1.24*	
		For Stacked Bond, Add	*1.86*	
		For Scored Block, Add	*0.30*	
		For Curved Wall Application, Add	*1.43*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*10.87*	
04 22 23 13-0004	SF	8" x 16" x 4", Regular, Back-Up Concrete Block	8.82	
		For Special Color, Add	*1.07*	
		For Stacked Bond, Add	*1.96*	
		For Scored Block, Add	*0.26*	
		For Curved Wall Application, Add	*1.51*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*11.39*	
04 22 23 13-0005	SF	8" x 16" x 6", Regular, Back-Up Concrete Block	10.00	
		For Special Color, Add	*1.34*	
		For Stacked Bond, Add	*2.18*	
		For Scored Block, Add	*0.32*	
		For Curved Wall Application, Add	*1.68*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*12.69*	
04 22 23 13-0006	SF	8" x 16" x 8", Regular, Back-Up Concrete Block	10.77	
		For Special Color, Add	*1.57*	
		For Stacked Bond, Add	*2.31*	
		For Scored Block, Add	*0.38*	
		For Curved Wall Application, Add	*1.78*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*13.46*	
04 22 23 13-0007	SF	8" x 16" x 10", Regular, Back-Up Concrete Block	11.67	
		For Special Color, Add	*2.09*	
		For Stacked Bond, Add	*2.38*	
		For Scored Block, Add	*0.50*	
		For Curved Wall Application, Add	*1.83*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*13.91*	
04 22 23 13-0008	SF	8" x 16" x 12", Regular, Back-Up Concrete Block	13.89	
		For Special Color, Add	*2.18*	
		For Stacked Bond, Add	*2.93*	
		For Scored Block, Add	*0.53*	
		For Curved Wall Application, Add	*2.25*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*17.09*	

04 22 23 13-0009 Foundation Wall Concrete Blocks *(04 22 23 13)*

04 22 23 13-0010 Foundation Wall Concrete Blocks *(04 22 23 13-0009)*

04 22 23 13-0011	SF	8" x 16" x 6", Regular, Foundation Wall Concrete Block	9.05	
		For Special Color, Add	*1.34*	
		For Stacked Bond, Add	*1.93*	
		For Scored Block, Add	*0.32*	
		For Curved Wall Application, Add	*1.49*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*11.27*	
04 22 23 13-0012	SF	8" x 16" x 8", Regular, Foundation Wall Concrete Block	9.83	
		For Special Color, Add	*1.57*	
		For Stacked Bond, Add	*2.06*	
		For Scored Block, Add	*0.38*	
		For Curved Wall Application, Add	*1.59*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*12.05*	
04 22 23 13-0013	SF	8" x 16" x 10", Regular, Foundation Wall Concrete Block	11.27	
		For Special Color, Add	*2.09*	
		For Stacked Bond, Add	*2.28*	
		For Scored Block, Add	*0.50*	
		For Curved Wall Application, Add	*1.75*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*13.31*	
04 22 23 13-0014	SF	8" x 16" x 12", Regular, Foundation Wall Concrete Block	13.89	
		For Special Color, Add	*2.18*	
		For Stacked Bond, Add	*2.93*	
		For Scored Block, Add	*0.53*	
		For Curved Wall Application, Add	*2.25*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*17.09*	
04 22 23 13-0015	SF	8" x 16" x 6", Solid, Foundation Wall Concrete Block	9.79	
		For Special Color, Add	*1.80*	
		For Stacked Bond, Add	*1.98*	
		For Scored Block, Add	*0.43*	
		For Curved Wall Application, Add	*1.52*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*11.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 13-0016	SF	8" x 16" x 8", Solid, Foundation Wall Concrete Block	10.83	
		For Special Color, Add	*2.12*	
		For Stacked Bond, Add	*2.15*	
		For Scored Block, Add	*0.51*	
		For Curved Wall Application, Add	*1.65*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*12.60*	
04 22 23 13-0017	SF	8" x 16" x 10", Solid, Foundation Wall Concrete Block	12.31	
		For Special Color, Add	*2.62*	
		For Stacked Bond, Add	*2.38*	
		For Scored Block, Add	*0.63*	
		For Curved Wall Application, Add	*1.83*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*13.96*	
04 22 23 13-0018	SF	8" x 16" x 12", Solid, Foundation Wall Concrete Block	15.23	
		For Special Color, Add	*2.82*	
		For Stacked Bond, Add	*3.08*	
		For Scored Block, Add	*0.68*	
		For Curved Wall Application, Add	*2.37*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*18.00*	

04 22 23 13-0019 Partition Concrete Blocks *(04 22 23 13)*

04 22 23 13-0020 Lightweight, Regular, Partition Concrete Blocks *(04 22 23 13-0019)*

04 22 23 13-0021	SF	8" x 16" x 4", Lightweight, Regular, Partition Concrete Block	8.91	
		For Special Color, Add	*1.15*	
		For Stacked Bond, Add	*1.96*	
		For Scored Block, Add	*0.28*	
		For Curved Wall Application, Add	*1.51*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*11.40*	
04 22 23 13-0022	SF	8" x 16" x 6", Lightweight, Regular, Partition Concrete Block	9.90	
		For Special Color, Add	*1.45*	
		For Stacked Bond, Add	*2.12*	
		For Scored Block, Add	*0.35*	
		For Curved Wall Application, Add	*1.63*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*12.36*	
04 22 23 13-0023	SF	8" x 16" x 8", Lightweight, Regular, Partition Concrete Block	10.72	
		For Special Color, Add	*1.64*	
		For Stacked Bond, Add	*2.28*	
		For Scored Block, Add	*0.39*	
		For Curved Wall Application, Add	*1.75*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*13.27*	
04 22 23 13-0024	SF	8" x 16" x 10", Lightweight, Regular, Partition Concrete Block	11.78	
		For Special Color, Add	*2.18*	
		For Stacked Bond, Add	*2.38*	
		For Scored Block, Add	*0.53*	
		For Curved Wall Application, Add	*1.83*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*13.92*	
04 22 23 13-0025	SF	8" x 16" x 12", Lightweight, Regular, Partition Concrete Block	14.09	
		For Special Color, Add	*2.35*	
		For Stacked Bond, Add	*2.93*	
		For Scored Block, Add	*0.57*	
		For Curved Wall Application, Add	*2.25*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*17.10*	

04 22 23 13-0026 Lightweight, Solid, Partition Concrete Blocks *(04 22 23 13-0019)*

04 22 23 13-0027	SF	8" x 16" x 4", Lightweight, Solid, Partition Concrete Block	9.56	
		For Special Color, Add	*1.53*	
		For Stacked Bond, Add	*2.01*	
		For Scored Block, Add	*0.37*	
		For Curved Wall Application, Add	*1.54*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*11.72*	
04 22 23 13-0028	SF	8" x 16" x 6", Lightweight, Solid, Partition Concrete Block	10.49	
		For Special Color, Add	*1.65*	
		For Stacked Bond, Add	*2.21*	
		For Scored Block, Add	*0.40*	
		For Curved Wall Application, Add	*1.70*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*12.90*	
04 22 23 13-0029	SF	8" x 16" x 8", Lightweight, Solid, Partition Concrete Block	11.07	
		For Special Color, Add	*1.71*	
		For Stacked Bond, Add	*2.34*	
		For Scored Block, Add	*0.41*	
		For Curved Wall Application, Add	*1.80*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*13.67*	
04 22 23 13-0030	SF	8" x 16" x 10", Lightweight, Solid, Partition Concrete Block	12.29	
		For Special Color, Add	*2.37*	
		For Stacked Bond, Add	*2.45*	
		For Scored Block, Add	*0.57*	
		For Curved Wall Application, Add	*1.89*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*14.37*	
04 22 23 13-0031	SF	8" x 16" x 12", Lightweight, Solid, Partition Concrete Block	14.69	
		For Special Color, Add	*2.53*	
		For Stacked Bond, Add	*3.03*	
		For Scored Block, Add	*0.61*	
		For Curved Wall Application, Add	*2.33*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*17.69*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 13-0032		Normal Weight, Regular, Partition Concrete Blocks *(04 22 23 13-0019)*		
04 22 23 13-0033	SF	8" x 16" x 4", Normal Weight, Regular, Partition Concrete Block	9.10	
		For Special Color, Add	*1.15*	
		For Stacked Bond, Add	*2.01*	
		For Scored Block, Add	*0.28*	
		For 4" High (Half Height) Block, Add	*1.34*	
		For Curved Wall Application, Add	*1.54*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*11.68*	
04 22 23 13-0034	SF	8" x 16" x 6", Normal Weight, Regular, Partition Concrete Block	10.08	
		For Special Color, Add	*1.31*	
		For Stacked Bond, Add	*2.21*	
		For Scored Block, Add	*0.32*	
		For 4" High (Half Height) Block, Add	*1.50*	
		For Curved Wall Application, Add	*1.70*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*12.87*	
04 22 23 13-0035	SF	8" x 16" x 8", Normal Weight, Regular, Partition Concrete Block	10.83	
		For Special Color, Add	*1.51*	
		For Stacked Bond, Add	*2.34*	
		For Scored Block, Add	*0.36*	
		For 4" High (Half Height) Block, Add	*1.65*	
		For Curved Wall Application, Add	*1.80*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*13.65*	
04 22 23 13-0036	SF	8" x 16" x 10", Normal Weight, Regular, Partition Concrete Block	12.95	
		For Special Color, Add	*2.91*	
		For Stacked Bond, Add	*2.45*	
		For Scored Block, Add	*0.70*	
		For 4" High (Half Height) Block, Add	*2.38*	
		For Curved Wall Application, Add	*1.89*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*14.42*	
04 22 23 13-0037	SF	8" x 16" x 12", Normal Weight, Regular, Partition Concrete Block	15.26	
		For Special Color, Add	*3.00*	
		For Stacked Bond, Add	*3.03*	
		For Scored Block, Add	*0.72*	
		For 4" High (Half Height) Block, Add	*2.65*	
		For Curved Wall Application, Add	*2.33*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*17.73*	
04 22 23 13-0038		Normal Weight, Solid, Partition Concrete Blocks *(04 22 23 13-0019)*		
04 22 23 13-0039	SF	8" x 16" x 4", Normal Weight, Solid, Partition Concrete Block	9.69	
		For Special Color, Add	*1.45*	
		For Stacked Bond, Add	*2.06*	
		For Scored Block, Add	*0.35*	
		For 4" High (Half Height) Block, Add	*1.51*	
		For Curved Wall Application, Add	*1.59*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*12.04*	
04 22 23 13-0040	SF	8" x 16" x 6", Normal Weight, Solid, Partition Concrete Block	10.37	
		For Special Color, Add	*1.34*	
		For Stacked Bond, Add	*2.28*	
		For Scored Block, Add	*0.32*	
		For 4" High (Half Height) Block, Add	*1.54*	
		For Curved Wall Application, Add	*1.75*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*13.25*	
04 22 23 13-0041	SF	8" x 16" x 8", Normal Weight, Solid, Partition Concrete Block	11.18	
		For Special Color, Add	*1.57*	
		For Stacked Bond, Add	*2.42*	
		For Scored Block, Add	*0.38*	
		For 4" High (Half Height) Block, Add	*1.70*	
		For Curved Wall Application, Add	*1.86*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*14.08*	
04 22 23 13-0042	SF	8" x 16" x 10", Normal Weight, Solid, Partition Concrete Block	12.27	
		For Special Color, Add	*2.09*	
		For Stacked Bond, Add	*2.54*	
		For Scored Block, Add	*0.50*	
		For 4" High (Half Height) Block, Add	*2.01*	
		For Curved Wall Application, Add	*1.95*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*14.81*	
04 22 23 13-0043	SF	8" x 16" x 12", Normal Weight, Solid, Partition Concrete Block	14.67	
		For Special Color, Add	*2.18*	
		For Stacked Bond, Add	*3.13*	
		For Scored Block, Add	*0.53*	
		For 4" High (Half Height) Block, Add	*2.28*	
		For Curved Wall Application, Add	*2.41*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*18.26*	
04 22 23 13-0044		High Strength Concrete Blocks *(04 22 23 13)*		
04 22 23 13-0045		3,500 PSI, High Strength Concrete Blocks *(04 22 23 13-0044)*		
04 22 23 13-0046	SF	8" x 16" x 2", 3,500 PSI, High Strength Concrete Block	8.74	
		For Special Color, Add	*1.16*	
		For Stacked Bond, Add	*1.91*	
		For Scored Block, Add	*0.28*	
		For Curved Wall Application, Add	*1.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 13-0047	SF	8" x 16" x 4", 3,500 PSI, High Strength Concrete Block	9.03	
		For Special Color, Add	*1.09*	
		For Stacked Bond, Add	*2.01*	
		For Scored Block, Add	*0.26*	
		For Curved Wall Application, Add	*1.54*	
04 22 23 13-0048	SF	8" x 16" x 6", 3,500 PSI, High Strength Concrete Block	10.19	
		For Special Color, Add	*1.40*	
		For Stacked Bond, Add	*2.21*	
		For Scored Block, Add	*0.34*	
		For Curved Wall Application, Add	*1.70*	
04 22 23 13-0049	SF	8" x 16" x 8", 3,500 PSI, High Strength Concrete Block	11.02	
		For Special Color, Add	*1.67*	
		For Stacked Bond, Add	*2.34*	
		For Scored Block, Add	*0.40*	
		For Curved Wall Application, Add	*1.80*	
04 22 23 13-0050	SF	8" x 16" x 10", 3,500 PSI, High Strength Concrete Block	12.38	
		For Special Color, Add	*2.32*	
		For Stacked Bond, Add	*2.49*	
		For Scored Block, Add	*0.56*	
		For Curved Wall Application, Add	*1.92*	
04 22 23 13-0051	SF	8" x 16" x 12", 3,500 PSI, High Strength Concrete Block	14.57	
		For Special Color, Add	*2.43*	
		For Stacked Bond, Add	*3.03*	
		For Scored Block, Add	*0.59*	
		For Curved Wall Application, Add	*2.33*	

04 22 23 13-0052 Solar Screen Concrete Blocks *(04 22 23 13)*

04 22 23 13-0053 Solar Screen Concrete Blocks *(04 22 23 13-0052)*

04 22 23 13-0054	SF	6" x 6" x 4" Solar Screen Concrete Block	12.30	
		For Special Color, Add	*2.73*	
		For Stacked Bond, Add	*2.34*	
		For Scored Block, Add	*0.66*	
		For Curved Wall Application, Add	*1.80*	
04 22 23 13-0055	SF	8" x 8" x 4" Solar Screen Concrete Block	13.21	
		For Special Color, Add	*2.76*	
		For Stacked Bond, Add	*2.57*	
		For Scored Block, Add	*0.67*	
		For Curved Wall Application, Add	*1.98*	
04 22 23 13-0056	SF	12" x 12" x 4" Solar Screen Concrete Block	15.24	
		For Special Color, Add	*3.48*	
		For Stacked Bond, Add	*2.87*	
		For Scored Block, Add	*0.84*	
		For Curved Wall Application, Add	*2.21*	
04 22 23 13-0057	SF	8" x 16" x 8" Solar Screen Concrete Block	21.47	
		For Special Color, Add	*4.27*	
		For Stacked Bond, Add	*4.24*	
		For Scored Block, Add	*1.03*	
		For Curved Wall Application, Add	*3.26*	

04 22 23 13-0058 Bond Beam Or Lintel Concrete Blocks *(04 22 23 13)*

04 22 23 13-0059 Bond Beam Or Lintel Concrete Blocks *(04 22 23 13-0058)*

Note: Excludes concrete fill and reinforcing. See CSI section 04 05 16 26-0000 for concrete fill.

04 22 23 13-0060	LF	8" x 16" x 6" Regular Weight, Bond Beam Or Lintel Concrete Block	10.35	
		For Special Color, Add	*1.54*	
		For Stacked Bond, Add	*2.21*	
		For Grout And Fill With 2 #5 Rebar, Add	*6.10*	
		For Scored Block, Add	*0.37*	
		For Curved Wall Application, Add	*1.70*	
04 22 23 13-0061	LF	8" x 16" x 8" Regular Weight, Bond Beam Or Lintel Concrete Block	11.31	
		For Special Color, Add	*1.91*	
		For Stacked Bond, Add	*2.34*	
		For Grout And Fill With 2 #5 Rebar, Add	*6.81*	
		For Scored Block, Add	*0.46*	
		For Curved Wall Application, Add	*1.80*	
04 22 23 13-0062	LF	8" x 16" x 12" Regular Weight, Bond Beam Or Lintel Concrete Block	14.11	
		For Special Color, Add	*2.05*	
		For Stacked Bond, Add	*3.03*	
		For Grout And Fill With 2 #5 Rebar, Add	*8.29*	
		For Scored Block, Add	*0.49*	
		For Curved Wall Application, Add	*2.33*	
04 22 23 13-0063	LF	8" x 16" x 6" Lightweight, Bond Beam Or Lintel Concrete Block	10.31	
		For Special Color, Add	*1.79*	
		For Stacked Bond, Add	*2.12*	
		For Grout And Fill With 2 #5 Rebar, Add	*6.24*	
		For Scored Block, Add	*0.43*	
		For Curved Wall Application, Add	*1.63*	
04 22 23 13-0064	LF	8" x 16" x 8" Lightweight, Bond Beam Or Lintel Concrete Block	11.36	
		For Special Color, Add	*2.17*	
		For Stacked Bond, Add	*2.28*	
		For Grout And Fill With 2 #5 Rebar, Add	*6.99*	
		For Scored Block, Add	*0.52*	
		For Curved Wall Application, Add	*1.75*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 13-0065	LF	8" x 16" x 12" Lightweight, Bond Beam Or Lintel Concrete Block	14.04	
		For Special Color, Add	*2.31*	
		For Stacked Bond, Add	*2.93*	
		For Grout And Fill With 2 #5 Rebar, Add	*8.41*	
		For Scored Block, Add	*0.56*	
		For Curved Wall Application, Add	*2.25*	

04 22 23 23 Prefaced Concrete Unit Masonry *(04 22 23)*

04 22 23 23-0001 Ground Face Concrete Blocks *(04 22 23 23)*

04 22 23 23-0002	SF	8" x 16" x 4" Ground Face Concrete Block	11.65	
		For Special Color, Add	*1.83*	
		For Stacked Bond, Add	*2.45*	
		For Scored Block, Add	*0.44*	
		For Curved Wall Application, Add	*1.89*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*14.33*	
04 22 23 23-0003	SF	8" x 16" x 6" Ground Face Concrete Block	13.15	
		For Special Color, Add	*2.09*	
		For Stacked Bond, Add	*2.76*	
		For Scored Block, Add	*0.50*	
		For Curved Wall Application, Add	*2.13*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*16.13*	
04 22 23 23-0004	SF	8" x 16" x 8" Ground Face Concrete Block	14.20	
		For Special Color, Add	*2.47*	
		For Stacked Bond, Add	*2.92*	
		For Scored Block, Add	*0.60*	
		For Curved Wall Application, Add	*2.24*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*17.05*	
04 22 23 23-0005	SF	8" x 16" x 10" Ground Face Concrete Block	15.19	
		For Special Color, Add	*2.73*	
		For Stacked Bond, Add	*3.09*	
		For Scored Block, Add	*0.66*	
		For Curved Wall Application, Add	*2.38*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*18.10*	
04 22 23 23-0006	SF	8" x 16" x 12" Ground Face Concrete Block	18.13	
		For Special Color, Add	*2.98*	
		For Stacked Bond, Add	*3.78*	
		For Scored Block, Add	*0.72*	
		For Curved Wall Application, Add	*2.91*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*22.08*	

04 22 23 26 Sound-Absorbing Concrete Unit Masonry *(04 22 23)*

04 22 23 26-0001 Acoustical Slotted Concrete Block *(04 22 23 26)*

04 22 23 26-0002	SF	4" Thick, .45 - .55 NRC, Slotted, Acoustical Concrete Block	15.55	
		For Special Color, Add	*0.55*	
		For Stacked Bond, Add	*0.94*	
04 22 23 26-0003	SF	6" Thick, .45 - .55 NRC, Slotted, Acoustical Concrete Block	17.43	
		For Special Color, Add	*0.65*	
		For Stacked Bond, Add	*1.03*	
04 22 23 26-0004	SF	8" Thick, .50 - .60 NRC, Slotted, Acoustical Concrete Block	20.05	
		For Special Color, Add	*0.79*	
		For Stacked Bond, Add	*1.12*	
04 22 23 26-0005	SF	4" Thick, .65 - .75 NRC, Slotted With Filled Cavities, Acoustical Concrete Block	21.11	
		For Special Color, Add	*1.05*	
		For Stacked Bond, Add	*0.94*	
04 22 23 26-0006	SF	8" Thick, .50 - .60 NRC, Slotted With Filled Cavities, Acoustical Concrete Block	21.11	
		For Special Color, Add	*0.89*	
		For Stacked Bond, Add	*1.12*	
04 22 23 26-0007	SF	8" Thick, .60 - .75 NRC, Slotted With Filled Cavities, Acoustical Concrete Block	22.51	
		For Special Color, Add	*1.02*	
		For Stacked Bond, Add	*1.12*	

04 22 23 29 Split-Face Concrete Unit Masonry *(04 22 23)*

04 22 23 29-0001 Modified Face Concrete Blocks *(04 22 23 29)*

04 22 23 29-0002 Plain Or Scored Split Faced Concrete Blocks *(04 22 23 29-0001)*

04 22 23 29-0003	SF	8" x 16" x 4" Plain Or Scored Split Face Concrete Block	11.92	
		For Special Color, Add	*2.06*	
		For Stacked Bond, Add	*2.45*	
		For Curved Wall Application, Add	*1.89*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*14.35*	
04 22 23 29-0004	SF	8" x 16" x 6" Plain Or Scored Split Face Concrete Block	13.46	
		For Special Color, Add	*2.35*	
		For Stacked Bond, Add	*2.76*	
		For Curved Wall Application, Add	*2.13*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*16.16*	
04 22 23 29-0005	SF	8" x 16" x 8" Plain Or Scored Split Face Concrete Block	14.55	
		For Special Color, Add	*2.76*	
		For Stacked Bond, Add	*2.92*	
		For Curved Wall Application, Add	*2.24*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*17.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 29-0006	SF	8" x 16" x 10" Plain Or Scored Split Face Concrete Block	15.60	
		For Special Color, Add	*3.07*	
		For Stacked Bond, Add	*3.09*	
		For Curved Wall Application, Add	*2.38*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*18.13*	
04 22 23 29-0007	SF	8" x 16" x 12" Plain Or Scored Split Face Concrete Block	18.11	
		For Special Color, Add	*2.96*	
		For Stacked Bond, Add	*3.78*	
		For Curved Wall Application, Add	*2.91*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*22.08*	
04 22 23 29-0008		Plain Or Scored Split Faced Bond Beam Or Lintel Concrete Blocks *(04 22 23 29-0001)*		
04 22 23 29-0009	SF	8" x 16" x 4" Plain Or Scored Split Face Bond Beam Or Lintel Concrete Blocks	12.54	
		For Special Color, Add	*2.57*	
		For Stacked Bond, Add	*2.45*	
		For Grout And Fill With 2 #5 Rebar, Add	*7.82*	
		For Curved Wall Application, Add	*1.89*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*14.39*	
04 22 23 29-0010	SF	8" x 16" x 6" Plain Or Scored Split Face Bond Beam Or Lintel Concrete Blocks	14.16	
		For Special Color, Add	*2.93*	
		For Stacked Bond, Add	*2.76*	
		For Grout And Fill With 2 #5 Rebar, Add	*8.85*	
		For Curved Wall Application, Add	*2.13*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*16.21*	
04 22 23 29-0011	SF	8" x 16" x 8" Plain Or Scored Split Face Bond Beam Or Lintel Concrete Blocks	15.39	
		For Special Color, Add	*3.46*	
		For Stacked Bond, Add	*2.92*	
		For Grout And Fill With 2 #5 Rebar, Add	*9.78*	
		For Curved Wall Application, Add	*2.24*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*17.14*	
04 22 23 29-0012	SF	8" x 16" x 10" Plain Or Scored Split Face Bond Beam Or Lintel Concrete Blocks	16.53	
		For Special Color, Add	*3.84*	
		For Stacked Bond, Add	*3.09*	
		For Grout And Fill With 2 #5 Rebar, Add	*10.58*	
		For Curved Wall Application, Add	*2.38*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*18.20*	
04 22 23 29-0013	SF	8" x 16" x 12" Plain Or Scored Split Face Bond Beam Or Lintel Concrete Blocks	19.01	
		For Special Color, Add	*3.71*	
		For Stacked Bond, Add	*3.78*	
		For Grout And Fill With 2 #5 Rebar, Add	*11.74*	
		For Curved Wall Application, Add	*2.91*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*22.15*	
04 22 23 29-0014		Profile Units, Split Rib Concrete Block *(04 22 23 29)*		
04 22 23 29-0015		1" Deep Ribs, Profile Units, Split Rib Concrete Block *(04 22 23 29-0014)*		
04 22 23 29-0016	SF	8" x 16" x 4", 1" Deep Ribs, Profile Units, Split Rib Concrete Block	11.72	
		For Special Color, Add	*1.89*	
		For Stacked Bond, Add	*2.45*	
		For Scored Block, Add	*0.46*	
		For Curved Wall Application, Add	*1.89*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*14.33*	
04 22 23 29-0017	SF	8" x 16" x 6", 1" Deep Ribs, Profile Units, Split Rib Concrete Block	13.92	
		For Special Color, Add	*2.73*	
		For Stacked Bond, Add	*2.76*	
		For Scored Block, Add	*0.66*	
		For Curved Wall Application, Add	*2.13*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*16.19*	
04 22 23 29-0018	SF	8" x 16" x 8", 1" Deep Ribs, Profile Units, Split Rib Concrete Block	14.79	
		For Special Color, Add	*2.96*	
		For Stacked Bond, Add	*2.92*	
		For Scored Block, Add	*0.71*	
		For Curved Wall Application, Add	*2.24*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*17.10*	
04 22 23 29-0019	SF	8" x 16" x 10", 1" Deep Ribs, Profile Units, Split Rib Concrete Block	15.80	
		For Special Color, Add	*3.24*	
		For Stacked Bond, Add	*3.09*	
		For Scored Block, Add	*0.78*	
		For Curved Wall Application, Add	*2.38*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*18.14*	
04 22 23 29-0020	SF	8" x 16" x 12", 1" Deep Ribs, Profile Units, Split Rib Concrete Block	18.81	
		For Special Color, Add	*3.54*	
		For Stacked Bond, Add	*3.78*	
		For Scored Block, Add	*0.85*	
		For Curved Wall Application, Add	*2.91*	
		For Small Area Replacements (Individual Areas) <10 SF, Add	*22.13*	
04 22 23 31		**Glazed Concrete Masonry Unit** *(04 22 23)*		
		Note: Includes concrete block and mortar.		
04 22 23 31-0001		One Glazed Face Concrete Blocks *(04 22 23 31)*		
04 22 23 31-0002		One Glazed Face Concrete Blocks *(04 22 23 31-0001)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 31-0003	SF	4" Thick, One Glazed Face Concrete Block	20.11	
		For Special Shapes, Add	*10.96*	
04 22 23 31-0004	SF	6" Thick, One Glazed Face Concrete Block	21.55	
		For Special Shapes, Add	*11.47*	
04 22 23 31-0005	SF	8" Thick, One Glazed Face Concrete Block	22.83	
		For Special Shapes, Add	*12.20*	
04 22 23 31-0006	SF	10" Thick, One Glazed Face Concrete Block	24.17	
		For Special Shapes, Add	*12.95*	
04 22 23 31-0007	SF	12" Thick, One Glazed Face Concrete Block	27.27	
		For Special Shapes, Add	*13.58*	

04 22 23 31-0008 Two Glazed Faces Concrete Blocks *(04 22 23 31)*

04 22 23 31-0009 Two Glazed Faces Concrete Blocks *(04 22 23 31-0008)*

04 22 23 31-0010	SF	4" Thick, Two Glazed Faces Concrete Block	26.71	
		For Special Shapes, Add	*16.27*	
04 22 23 31-0011	SF	6" Thick, Two Glazed Faces Concrete Block	28.03	
		For Special Shapes, Add	*16.81*	
04 22 23 31-0012	SF	8" Thick, Two Glazed Faces Concrete Block	29.94	
		For Special Shapes, Add	*17.54*	

04 22 23 31-0013 Glazed Cove Base Concrete Blocks *(04 22 23 31)*

04 22 23 31-0014	LF	2" Thick, Glazed Cove Base Concrete Block	21.71	
		For Special Shapes, Add	*9.81*	
04 22 23 31-0015	LF	4" Thick, Glazed Cove Base Concrete Block	22.96	
		For Special Shapes, Add	*10.02*	
04 22 23 31-0016	LF	6" Thick, Glazed Cove Base Concrete Block	24.60	
		For Special Shapes, Add	*10.44*	
04 22 23 31-0017	LF	8" Thick, Glazed Cove Base Concrete Block	26.22	
		For Special Shapes, Add	*10.96*	

04 22 23 31-0018 Glazed Corner, Bullnose Or Square Concrete Blocks *(04 22 23 31)*

04 22 23 31-0019	EA	2" Thick, Glazed Corner, Bullnose Or Square Concrete Block	28.24	
		For Special Shapes, Add	*18.80*	
04 22 23 31-0020	EA	4" Thick, Glazed Corner, Bullnose Or Square Concrete Block	32.91	
		For Special Shapes, Add	*22.47*	
04 22 23 31-0021	EA	6" Thick, Glazed Corner, Bullnose Or Square Concrete Block	35.16	
		For Special Shapes, Add	*23.72*	
04 22 23 31-0022	EA	8" Thick, Glazed Corner, Bullnose Or Square Concrete Block	36.88	
		For Special Shapes, Add	*24.98*	
04 22 23 31-0023	EA	10" Thick, Glazed Corner, Bullnose Or Square Concrete Block	56.27	
		For Special Shapes, Add	*43.87*	
04 22 23 31-0024	EA	12" Thick, Glazed Corner, Bullnose Or Square Concrete Block	64.23	
		For Special Shapes, Add	*49.05*	

04 23 Glass Unit Masonry *(04 20)*

04 23 13 Vertical Glass Unit Masonry *(04 23)*

Note: Includes 1/4" mortar joints and caulking. Excludes joint reinforcement and anchors.

04 23 13 00-0001 Glass Block Unit Masonry *(04 23 13)*

04 23 13 00-0002	SF	6" x 6" x 4" Plain Glass Block	40.33	
		For Solar Reflective (Suntrol) Blocks, Add	*5.69*	
		For Essex (Horizontal Striated) Blocks, Add	*3.25*	
		For Sculptured Or Patterned Blocks, Add	*5.69*	
		For Colored Glass, Add	*16.25*	
		For Thinline Block, Deduct	*-4.06*	
		For >1,000 To 5,000, Deduct	*-3.21*	
		For >5,000, Deduct	*-5.22*	
04 23 13 00-0003	SF	8" x 8" x 4" Plain Glass Block	29.22	
		For Solar Reflective (Suntrol) Blocks, Add	*4.03*	
		For Essex (Horizontal Striated) Blocks, Add	*2.30*	
		For Sculptured Or Patterned Blocks, Add	*4.03*	
		For Colored Glass, Add	*11.51*	
		For Thinline Block, Deduct	*-2.88*	
		For >1,000 To 5,000, Deduct	*-2.34*	
		For >5,000, Deduct	*-3.80*	
04 23 13 00-0004	SF	12" x 12" x 4" Plain Glass Block	30.99	
		For Solar Reflective (Suntrol) Blocks, Add	*5.15*	
		For Essex (Horizontal Striated) Blocks, Add	*2.94*	
		For Sculptured Or Patterned Blocks, Add	*5.15*	
		For Colored Glass, Add	*14.70*	
		For Thinline Block, Deduct	*-3.68*	
		For >1,000 To 5,000, Deduct	*-2.36*	
		For >5,000, Deduct	*-3.90*	

04 23 13 00-0005 Solid Glass Block (Vistabrik®) *(04 23 13)*

04 23 13 00-0006	SF	3" x 8" x 3" Solid Glass Block (Vistabrik®)	297.11	
04 23 13 00-0007	SF	4" x 8" x 3" Solid Glass Block (Vistabrik®)	227.86	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 23 13 00-0008	SF	6" x 8" x 3" Solid Glass Block (Vistabrik®)	159.45	
04 23 13 00-0009	SF	8" x 8" x 3" Solid Glass Block (Vistabrik®)	112.13	

04 26 Single-Wythe Unit Masonry *(04 20)*

04 26 13 Masonry Veneer *(04 26)*

04 26 13 00-0001 Brick Veneer And Accessories *(04 26 13)*

04 26 13 00-0002 Brick Stretchers *(04 26 13 00-0001)*

04 26 13 00-0003	SF	1/2" x 2-1/4" x 7-5/8" Brick Veneer, Stretcher, Smooth Finish	11.06	1.03
		For Sand Finish, Deduct	*-0.81*	
		For Wire Cut Finish, Add	*0.72*	
04 26 13 00-0004	SF	1/2" x 3-5/8" x 7-5/8" Brick Veneer, Stretcher, Smooth Finish	11.32	1.16
		For Sand Finish, Deduct	*-0.81*	
		For Wire Cut Finish, Add	*0.72*	
04 26 13 00-0005	SF	1/2" x 3-5/8" x 11-5/8" Brick Veneer, Stretcher, Smooth Finish	11.65	1.33
		For Sand Finish, Deduct	*-0.81*	
		For Wire Cut Finish, Add	*0.72*	

04 26 13 00-0006 Brick Corners *(04 26 13 00-0001)*

04 26 13 00-0007	LF	1/2" x 2-1/4" x 7-5/8" Brick Veneer, Smooth Finish, Corner	20.53	3.08
04 26 13 00-0008	LF	1/2" x 3-5/8" x 7-5/8" Brick Veneer, Smooth Finish, Corner	18.14	3.08

04 26 13 00-0009 Brick Caps And Sills *(04 26 13 00-0001)*

04 26 13 00-0010	LF	1" x 3 7/8" Brick Veneer, Smooth, Rolok Sill With Bracket	16.93	3.74
04 26 13 00-0011	EA	3-5/8" x 2-1/4" x 7-5/8" Brick Veneer Edge Cap	9.46	1.55
04 26 13 00-0012	EA	3-5/8" x 2-1/4" x 7-5/8" Brick Veneer Corner Edge Cap, L or R	15.76	1.55

04 26 13 00-0013 Brick Veneer Accessories *(04 26 13 00-0001)*

04 26 13 00-0014	LF	2-7/8" Brick Veneer, Starter Angle	4.54	0.59
04 26 13 00-0015	LF	3-5/8" Brick Veneer, Top Side Angle	4.78	0.59

04 40 Stone Assemblies *(04)*

Note: Includes pointing and cleaning of new stone and mortar. All stone prices include material and mortar.

04 41 Dry-Placed Stone *(04 40)*

04 41 00 00-0001 Ashlar Veneer, Random Size, Square Cut Rough Stone *(04 41)*

04 41 00 00-0002	SF	4" Thick Ashlar Veneer, Random Size, Square Cut Rough Stone	28.34	5.71
04 41 00 00-0003	SF	6" Thick Ashlar Veneer, Random Size, Square Cut Rough Stone	29.07	5.71

04 42 Exterior Stone Cladding *(04 40)*

04 42 43 Stone Panels For Curtain Walls *(04 42)*

04 42 43 00-0001 Marble Facing Panels *(04 42 43)*

Note: 3' x 1.5'

04 42 43 00-0002	SF	3/4" Thick Marble Facing Panels	56.05	12.37
04 42 43 00-0003	SF	7/8" Thick Marble Facing Panels	59.38	12.53
04 42 43 00-0004	SF	1-1/2" Thick Marble Facing Panels	69.13	12.76
04 42 43 00-0005	SF	2" Thick Marble Facing Panels	76.25	13.16
04 42 43 00-0006	SF	2-1/4" Thick Marble Facing Panels	81.28	13.97
04 42 43 00-0007	CF	Marble Face Panel	347.07	45.49

04 42 43 00-0008 Smooth Limestone Panels *(04 42 43)*

Note: Up to 12' x 5' panels.

04 42 43 00-0009	SF	1-1/2" Thick Smooth Limestone Panels	46.42	24.82
04 42 43 00-0010	SF	2" Thick Smooth Limestone Panels	49.36	26.02
04 42 43 00-0011	SF	3" Thick Smooth Limestone Panels	52.51	27.21
04 42 43 00-0012	SF	4" Thick Smooth Limestone Panels	61.54	29.92

04 42 43 00-0013 Sandstone Panels *(04 42 43)*

04 42 43 00-0014	SF	2-1/2" Thick Sandstone Panels	54.30	26.02
04 42 43 00-0015	SF	4" Thick Sandstone Panels	59.03	29.92
04 42 43 00-0016	SF	Split Face Sandstone Panels, Random Sizes	53.16	29.92

04 43 Stone Masonry *(04 40)*

04 43 00 00-0001 Marble *(04 43)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 43 00 00-0002		**Marble Base** *(04 43 00 00-0001)*		
		Note: 1" thick.		
04 43 00 00-0003	LF	4" High Marble Base	82.77	51.64
04 43 00 00-0004	LF	6" High Marble Base	94.23	56.26
04 43 00 00-0005		**Marble Columns** *(04 43 00 00-0001)*		
04 43 00 00-0006	CF	Plain Faced Solid Marble Columns	234.73	45.49
04 43 00 00-0007	CF	Fluted, Carved Solid Marble Columns	399.79	45.49
04 43 00 00-0008		**Marble Flooring** *(04 43 00 00-0001)*		
04 43 00 00-0009	SF	3/8" Uniform Color Marble Flooring	23.59	11.83
04 43 00 00-0010	SF	1/2" Uniform Color Marble Flooring	25.42	11.83
04 43 00 00-0011	SF	1/2" Travertine Marble Flooring	30.58	13.51
04 43 00 00-0012		**Marble Items** *(04 43 00 00-0001)*		
04 43 00 00-0013	LF	12" Marble Stair Treads	64.29	18.55
04 43 00 00-0014	LF	6" Wide Marble Stair Risers	48.85	14.88
04 43 00 00-0015	LF	6" Wide x 2" Thick Marble Window Sills	29.01	11.06
04 43 00 00-0016	LF	5" Wide x 7/8" Thick Marble Window Stool, Polished	57.52	13.58
04 43 00 00-0017	SF	7/8" Thick, Non Skid, Marble Patio Blocks	31.30	17.14
04 43 00 00-0018		**Limestone** *(04 43)*		
04 43 00 00-0019		**Ashlar Veneer Limestone** *(04 43 00 00-0018)*		
04 43 00 00-0020	SF	4" Ashlar Veneer Limestone, Random Sizes	51.09	18.55
04 43 00 00-0021	SF	6" To 8" Thick, Pitched Face Ashlar Veneer Limestone, Random Sizes	78.65	25.49
		For High Lime Historic Mortar, Add	*0.04*	
04 43 00 00-0022		**Limestone Coping** *(04 43 00 00-0018)*		
		Note: Measured from the highest point. Includes drilling into existing materials, caulk and ties.		
04 43 00 00-0023	SF	2-1/2" Thick Limestone Coping	24.07	6.39
04 43 00 00-0024	SF	3" Thick Limestone Coping	27.15	6.78
04 43 00 00-0025	SF	3-1/2" Thick Limestone Coping	30.20	7.18
04 43 00 00-0026	SF	4" Thick Limestone Coping	32.46	7.42
04 43 00 00-0027	SF	5" Thick Limestone Coping	37.79	7.58
04 43 00 00-0028	SF	6" Thick Limestone Coping	56.43	7.98
04 43 00 00-0029	CF	>6" Thick Limestone Coping	93.51	16.79
04 43 00 00-0030		**Limestone Stair Treads** *(04 43 00 00-0018)*		
04 43 00 00-0031	SF	2" Thick Limestone Treads	28.03	5.98
04 43 00 00-0032	SF	2-1/2" Thick Limestone Treads	29.90	6.39
04 43 00 00-0033	SF	3" Thick Limestone Treads	33.65	6.78
04 43 00 00-0034	SF	3-1/2" Thick Limestone Treads	36.60	7.18
04 43 00 00-0035	SF	4" Thick Limestone Treads	39.54	7.18
04 43 00 00-0036	SF	5" Thick Limestone Treads	43.84	7.58
04 43 00 00-0037	SF	6" Thick Limestone Tread, Smooth Finish	62.38	7.98
04 43 00 00-0038		**Limestone Items** *(04 43 00 00-0018)*		
04 43 00 00-0039	CF	Sawn Edge Limestone Block, Sill, Lintel, Jamb And Other Trim	153.99	62.98
04 43 00 00-0040		**Granite** *(04 43)*		
04 43 00 00-0041		**Polished Granite Veneer Facing Panels** *(04 43 00 00-0040)*		
		Note: Excludes structural support steel.		
04 43 00 00-0042	SF	7/8" Thick Black Polished Granite Veneer Facing Panels	71.42	24.98
04 43 00 00-0043	SF	7/8" Thick Gray Polished Granite Veneer Facing Panels	65.38	24.98
04 43 00 00-0044		**Granite Stair Treads** *(04 43 00 00-0040)*		
04 43 00 00-0045	SF	2" Thick Granite Stair Tread	41.65	5.98
04 43 00 00-0046		**Slate** *(04 43)*		
04 43 00 00-0047		**Slate Panels Or Sills** *(04 43 00 00-0046)*		
04 43 00 00-0048	SF	1" Thick Slate Panels	48.18	24.98
04 43 00 00-0049	SF	2" Thick Slate Panels	57.82	24.98
04 43 00 00-0050		**Slate Sills Or Stools** *(04 43 00 00-0046)*		
04 43 00 00-0051	LF	6" Wide, 1" Thick Slate Sills Or Stools With Sand Finish	22.73	11.13
04 43 00 00-0052	LF	10" Wide, 1" Thick Slate Sills Or Stools With Sand Finish	28.86	11.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 43 00 00-0053	LF	6" Wide, 2" Thick Slate Sills Or Stools With Sand Finish	27.99	11.13
04 43 00 00-0054	LF	10" Wide, 2" Thick Slate Sills Or Stools With Sand Finish	41.15	11.13
04 43 00 00-0055		Slate Stair Treads *(04 43 00 00-0046)*		
04 43 00 00-0056	SF	2" Thick Slate Stair Tread	34.00	5.98

04 50 Refractory Masonry *(04)*

See CSI section 04 22 23 13-0009 for solid concrete block.

04 51 Flue Liner Masonry *(04 50)*

Note: Includes mortar joints. See CSI section 04 21 13 00-0059 for fire brick.

04 51 00 00-0001		Rectangular Flue Liners *(04 51)*		
04 51 00 00-0002	VLF	4" x 8" Clay Flue Liners	11.74	
04 51 00 00-0003	VLF	8" x 8" Clay Flue Liners	15.51	
04 51 00 00-0004	VLF	8" x 12" Clay Flue Liners	17.87	
04 51 00 00-0005	VLF	12" x 12" Clay Flue Liners	22.11	
04 51 00 00-0006	VLF	12" x 16" Clay Flue Liners	26.23	
04 51 00 00-0007	VLF	12" x 18" Clay Flue Liners	29.55	
04 51 00 00-0008	VLF	16" x 16" Clay Flue Liners	32.42	
04 51 00 00-0009	VLF	16" x 20" Clay Flue Liners	39.09	
04 51 00 00-0010	VLF	18" x 18" Clay Flue Liners	41.65	
04 51 00 00-0011	VLF	20" x 20" Clay Flue Liners	52.86	
04 51 00 00-0012	VLF	20" x 24" Clay Flue Liners	57.50	
04 51 00 00-0013	VLF	24" x 24" Clay Flue Liners	67.50	
04 51 00 00-0014		Round Flue Liners *(04 51)*		
04 51 00 00-0015	VLF	6" Diameter Clay Flue Liners	26.84	
04 51 00 00-0016	VLF	8" Diameter Clay Flue Liners	37.40	
04 51 00 00-0017	VLF	10" Diameter Clay Flue Liners	48.28	
04 51 00 00-0018	VLF	12" Diameter Clay Flue Liners	58.22	
04 51 00 00-0019	VLF	15" Diameter Clay Flue Liners	70.54	
04 51 00 00-0020	VLF	18" Diameter Clay Flue Liners	76.18	
04 51 00 00-0021	VLF	21" Diameter Clay Flue Liners	96.68	
04 51 00 00-0022	VLF	24" Diameter Clay Flue Liners	118.30	
04 51 00 00-0023	VLF	27" Diameter Clay Flue Liners	136.37	
04 51 00 00-0024	VLF	30" Diameter Clay Flue Liners	154.99	
04 51 00 00-0025	VLF	33" Diameter Clay Flue Liners	163.26	
04 51 00 00-0026	VLF	36" Diameter Clay Flue Liners	164.83	
04 51 00 00-0027		Standard Chimney Block *(04 51)*		
		Note: Includes refractory mortar. Excludes flue liners.		
04 51 00 00-0028	EA	14" x 14" x 8" Concrete Block Chimney Unit	21.45	
04 51 00 00-0029	EA	14" x 18" x 8" Concrete Block Chimney Unit	23.20	
04 51 00 00-0030	EA	16" x 16" x 8" Concrete Block Chimney Unit	23.36	
04 51 00 00-0031	EA	17" x 17" x 8" Concrete Block Chimney Unit	24.47	
04 51 00 00-0032	EA	16" x 20" x 8" Concrete Block Chimney Unit	25.68	
04 51 00 00-0033	EA	17" x 21" x 8" Concrete Block Chimney Unit	26.98	
04 51 00 00-0034	EA	21" x 21" x 8" Concrete Block Chimney Unit	30.35	

04 70 Manufactured Masonry *(04)*

04 72 Cast Stone Masonry *(04 70)*

04 72 00 00-0001		Precast Concrete Lintels *(04 72)*		
04 72 00 00-0002		Solid Precast Concrete Lintels *(04 72 00 00-0001)*		
04 72 00 00-0003	LF	4" x 8", Solid Precast Concrete Lintel	11.14	
04 72 00 00-0004	LF	6" x 8", Solid Precast Concrete Lintel	13.74	
04 72 00 00-0005	LF	8" x 8", Solid Precast Concrete Lintel	16.68	
04 72 00 00-0006		U Shaped Precast Concrete Lintels *(04 72 00 00-0001)*		
		Note: Excludes concrete fill and field added reinforcing. See CSI section 04 05 16 26-0001 for concrete fill.		
04 72 00 00-0007	LF	6" x 8", U Shaped Precast Concrete Lintel	11.91	
04 72 00 00-0008	LF	8" x 8", U Shaped Precast Concrete Lintel	14.20	
04 72 00 00-0009	LF	12" x 8", U Shaped Precast Concrete Lintel	22.08	
04 72 00 00-0010		Precast Coping *(04 72)*		
		Note: Includes caulk and ties. Excludes drilling into existing materials or other anchoring bolts. See CSI section 04 21 29 00-0001 for terra cotta coping, 04 43 00 00-0000 for stone coping, 07 62 00 00-0000 for metal copings.		
04 72 00 00-0011		Precast Concrete Coping *(04 72 00 00-0010)*		
		Note: Measured at highest point.		
04 72 00 00-0012	SF	2" Thick Precast Concrete Coping	37.30	9.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 72 00 00-0013	SF	2-1/2" Thick Precast Concrete Coping	41.71	9.80
04 72 00 00-0014	SF	3" Thick Precast Concrete Coping	47.99	10.49
04 72 00 00-0015	SF	3-1/2" Thick Precast Concrete Coping	51.41	11.20
04 72 00 00-0016	SF	4" Thick Precast Concrete Coping	54.86	11.90
04 72 00 00-0017	SF	5" Thick Precast Concrete Coping	64.88	12.59
04 72 00 00-0018	SF	6" Thick Precast Concrete Coping	73.66	13.30
04 72 00 00-0019		Precast Window Sills *(04 72)*		
		Note: Includes caulk and ties.		
04 72 00 00-0020		Precast Window Sills *(04 72 00 00-0019)*		
04 72 00 00-0021	LF	6" Wide Precast Window Sill	27.15	7.00
04 72 00 00-0022	LF	10" Wide Precast Window Sill	39.91	7.00
04 72 00 00-0023	LF	14" Wide Precast Window Sill	46.78	7.00
04 72 00 00-0024		Cast Stone Veneer *(04 72)*		
04 72 00 00-0025	SF	1" Thick Cast Stone Veneer	45.95	14.59

END OF SECTION 04

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

05 Metals

05 05 Common Work Results For Metals *(05)*

05 05 19 Post-Installed Concrete Anchors *(05 05)*

See CSI section 03 15 19 00-0000 for cast-in concrete anchors.

05 05 19 00-0001 Concrete And Masonry Anchors *(05 05 19)*

05 05 19 00-0002 Expansion Anchors *(05 05 19 00-0001)*

Note: Includes drilling.

05 05 19 00-0003 Wedge Expansion Bolt Anchors *(05 05 19 00-0002)*

05 05 19 00-0004 Zinc Plated Steel, Wedge Anchor Expansion Bolt *(05 05 19 00-0003)*

Note: Includes nut and washer.

05 05 19 00-0005	EA	1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	8.16	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.78*	
		For >100, Deduct	*-1.57*	
05 05 19 00-0006	EA	1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	8.23	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.79*	
		For >100, Deduct	*-1.57*	
05 05 19 00-0007	EA	1/4" Diameter x 3-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	8.49	
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-0.81*	
		For >100, Deduct	*-1.62*	
05 05 19 00-0008	EA	3/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	10.01	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-0.96*	
		For >100, Deduct	*-1.91*	
05 05 19 00-0009	EA	3/8" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	10.06	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-0.96*	
		For >100, Deduct	*-1.91*	
05 05 19 00-0010	EA	3/8" Diameter x 3" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	10.08	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-0.96*	
		For >100, Deduct	*-1.91*	
05 05 19 00-0011	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	10.28	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-0.96*	
		For >100, Deduct	*-1.92*	
05 05 19 00-0012	EA	1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	14.48	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.36*	
		For >100, Deduct	*-2.73*	
05 05 19 00-0013	EA	1/2" Diameter x 3-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	14.52	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.37*	
		For >100, Deduct	*-2.73*	
05 05 19 00-0014	EA	1/2" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	14.60	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.37*	
		For >100, Deduct	*-2.74*	
05 05 19 00-0015	EA	1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	14.82	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.37*	
		For >100, Deduct	*-2.75*	
05 05 19 00-0016	EA	1/2" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	15.12	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.38*	
		For >100, Deduct	*-2.76*	
05 05 19 00-0017	EA	5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	18.74	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-1.71*	
		For >100, Deduct	*-3.41*	
05 05 19 00-0018	EA	5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	18.80	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-1.71*	
		For >100, Deduct	*-3.42*	
05 05 19 00-0019	EA	5/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	18.94	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-1.71*	
		For >100, Deduct	*-3.42*	
05 05 19 00-0020	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	19.21	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-1.72*	
		For >100, Deduct	*-3.44*	
05 05 19 00-0021	EA	5/8" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	19.48	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-1.72*	
		For >100, Deduct	*-3.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0022	EA	5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	21.61	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-1.78*	
		For >100, Deduct	*-3.56*	
05 05 19 00-0023	EA	5/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	23.44	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-1.82*	
		For >100, Deduct	*-3.65*	
05 05 19 00-0024	EA	3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	22.58	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.04*	
		For >100, Deduct	*-4.07*	
05 05 19 00-0025	EA	3/4" Diameter x 4-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	22.64	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.04*	
		For >100, Deduct	*-4.08*	
05 05 19 00-0026	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	22.97	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.05*	
		For >100, Deduct	*-4.09*	
05 05 19 00-0027	EA	3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	23.36	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.06*	
		For >100, Deduct	*-4.11*	
05 05 19 00-0028	EA	3/4" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	23.81	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.07*	
		For >100, Deduct	*-4.14*	
05 05 19 00-0029	EA	3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	25.51	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.11*	
		For >100, Deduct	*-4.22*	
05 05 19 00-0030	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	27.78	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.17*	
		For >100, Deduct	*-4.33*	
05 05 19 00-0031	EA	3/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	30.34	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.23*	
		For >100, Deduct	*-4.46*	
05 05 19 00-0032	EA	7/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	29.75	
		For >10 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-2.34*	
		For >100, Deduct	*-4.68*	
05 05 19 00-0033	EA	7/8" Diameter x 8" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	31.09	
		For >10 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-2.37*	
		For >100, Deduct	*-4.75*	
05 05 19 00-0034	EA	7/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	32.88	
		For >10 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-2.42*	
		For >100, Deduct	*-4.84*	
05 05 19 00-0035	EA	1" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	36.95	
		For >10 To 50, Deduct	*-1.38*	
		For >50 To 100, Deduct	*-2.99*	
		For >100, Deduct	*-5.98*	
05 05 19 00-0036	EA	1" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	39.49	
		For >10 To 50, Deduct	*-1.38*	
		For >50 To 100, Deduct	*-3.05*	
		For >100, Deduct	*-6.11*	
05 05 19 00-0037	EA	1" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	42.00	
		For >10 To 50, Deduct	*-1.38*	
		For >50 To 100, Deduct	*-3.12*	
		For >100, Deduct	*-6.23*	
05 05 19 00-0038	EA	1-1/4" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	48.09	
		For >10 To 50, Deduct	*-1.77*	
		For >50 To 100, Deduct	*-3.85*	
		For >100, Deduct	*-7.70*	
05 05 19 00-0039	EA	1-1/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	49.90	
		For >10 To 50, Deduct	*-1.77*	
		For >50 To 100, Deduct	*-3.90*	
		For >100, Deduct	*-7.79*	

05 05 19 00-0040 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt *(05 05 19 00-0003)*

Note: Includes nut and washer.

05 05 19 00-0041	EA	1/4" Diameter x 1-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	8.67	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.80*	
		For >100, Deduct	*-1.59*	
05 05 19 00-0042	EA	1/4" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	8.89	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.80*	
		For >100, Deduct	*-1.60*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0043	EA	1/4" Diameter x 3-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	9.23	
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-0.83*	
		For >100, Deduct	*-1.65*	
05 05 19 00-0044	EA	3/8" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	10.98	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-0.98*	
		For >100, Deduct	*-1.96*	
05 05 19 00-0045	EA	3/8" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	11.16	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-0.98*	
		For >100, Deduct	*-1.97*	
05 05 19 00-0046	EA	3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	11.30	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-0.99*	
		For >100, Deduct	*-1.98*	
05 05 19 00-0047	EA	3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	12.32	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-1.01*	
		For >100, Deduct	*-2.03*	
05 05 19 00-0048	EA	1/2" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	16.67	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.42*	
		For >100, Deduct	*-2.84*	
05 05 19 00-0049	EA	1/2" Diameter x 3-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	17.02	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.43*	
		For >100, Deduct	*-2.86*	
05 05 19 00-0050	EA	1/2" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	17.23	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.43*	
		For >100, Deduct	*-2.87*	
05 05 19 00-0051	EA	1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	18.15	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.46*	
		For >100, Deduct	*-2.91*	
05 05 19 00-0052	EA	1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	19.55	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.49*	
		For >100, Deduct	*-2.98*	
05 05 19 00-0053	EA	5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	23.19	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-1.82*	
		For >100, Deduct	*-3.63*	
05 05 19 00-0054	EA	5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	24.10	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-1.84*	
		For >100, Deduct	*-3.68*	
05 05 19 00-0055	EA	5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	25.08	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-1.86*	
		For >100, Deduct	*-3.73*	
05 05 19 00-0056	EA	5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	26.38	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-1.90*	
		For >100, Deduct	*-3.79*	
05 05 19 00-0057	EA	5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	32.12	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-2.04*	
		For >100, Deduct	*-4.08*	
05 05 19 00-0058	EA	3/4" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	27.66	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.16*	
		For >100, Deduct	*-4.33*	
05 05 19 00-0059	EA	3/4" Diameter x 4-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	29.51	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.21*	
		For >100, Deduct	*-4.42*	
05 05 19 00-0060	EA	3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	31.08	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.25*	
		For >100, Deduct	*-4.50*	
05 05 19 00-0061	EA	3/4" Diameter x 6-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	31.28	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.25*	
		For >100, Deduct	*-4.51*	
05 05 19 00-0062	EA	3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	32.75	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.29*	
		For >100, Deduct	*-4.58*	
05 05 19 00-0063	EA	3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	36.59	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.39*	
		For >100, Deduct	*-4.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0064	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	42.01	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.52*	
		For >100, Deduct	*-5.05*	
05 05 19 00-0065	EA	7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	42.68	
		For >10 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-2.66*	
		For >100, Deduct	*-5.33*	
05 05 19 00-0066	EA	1" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	61.08	
		For >10 To 50, Deduct	*-1.38*	
		For >50 To 100, Deduct	*-3.59*	
		For >100, Deduct	*-7.19*	
05 05 19 00-0067	EA	1" Diameter x 9" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	69.10	
		For >10 To 50, Deduct	*-1.38*	
		For >50 To 100, Deduct	*-3.79*	
		For >100, Deduct	*-7.59*	

05 05 19 00-0068 316 Stainless Steel, Wedge Anchor Expansion Bolt *(05 05 19 00-0003)*

Note: Includes nut and washer.

05 05 19 00-0069	EA	1/4" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	8.85	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.80*	
		For >100, Deduct	*-1.60*	
05 05 19 00-0070	EA	1/4" Diameter x 3-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	9.31	
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-0.83*	
		For >100, Deduct	*-1.66*	
05 05 19 00-0071	EA	3/8" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	11.58	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-0.99*	
		For >100, Deduct	*-1.99*	
05 05 19 00-0072	EA	3/8" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	11.90	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-1.00*	
		For >100, Deduct	*-2.01*	
05 05 19 00-0073	EA	3/8" Diameter x 3" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	11.99	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-1.00*	
		For >100, Deduct	*-2.01*	
05 05 19 00-0074	EA	3/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	13.52	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-1.04*	
		For >100, Deduct	*-2.09*	
05 05 19 00-0075	EA	1/2" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	18.14	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.46*	
		For >100, Deduct	*-2.91*	
05 05 19 00-0076	EA	1/2" Diameter x 3-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	19.03	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.48*	
		For >100, Deduct	*-2.96*	
05 05 19 00-0077	EA	1/2" Diameter x 4-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	20.65	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.52*	
		For >100, Deduct	*-3.04*	
05 05 19 00-0078	EA	1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	21.06	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.53*	
		For >100, Deduct	*-3.06*	
05 05 19 00-0079	EA	5/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	28.16	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-1.94*	
		For >100, Deduct	*-3.88*	
05 05 19 00-0080	EA	5/8" Diameter x 7" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	28.64	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-1.95*	
		For >100, Deduct	*-3.91*	
05 05 19 00-0081	EA	3/4" Diameter x 4-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	34.61	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.34*	
		For >100, Deduct	*-4.68*	
05 05 19 00-0082	EA	3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	36.63	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.39*	
		For >100, Deduct	*-4.78*	

05 05 19 00-0083 Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt *(05 05 19 00-0003)*

Note: Includes nut and washer.

05 05 19 00-0084	EA	1/2" Diameter x 2-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	16.21	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.41*	
		For >100, Deduct	*-2.82*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0085	EA	1/2" Diameter x 4-1/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	16.96	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.43*	
		For >100, Deduct	*-2.85*	
05 05 19 00-0086	EA	1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	17.71	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.45*	
		For >100, Deduct	*-2.89*	
05 05 19 00-0087	EA	1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	18.09	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.46*	
		For >100, Deduct	*-2.91*	
05 05 19 00-0088	EA	5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	21.89	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-1.78*	
		For >100, Deduct	*-3.57*	
05 05 19 00-0089	EA	5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	20.99	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-1.76*	
		For >100, Deduct	*-3.52*	
05 05 19 00-0090	EA	3/4" Diameter x 4-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	28.02	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.17*	
		For >100, Deduct	*-4.35*	
05 05 19 00-0091	EA	3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	28.85	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.19*	
		For >100, Deduct	*-4.39*	
05 05 19 00-0092	EA	3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	32.90	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.29*	
		For >100, Deduct	*-4.59*	
05 05 19 00-0093	EA	1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	36.19	
		For >10 To 50, Deduct	*-1.38*	
		For >50 To 100, Deduct	*-2.97*	
		For >100, Deduct	*-5.94*	
05 05 19 00-0094	EA	1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	38.52	
		For >10 To 50, Deduct	*-1.38*	
		For >50 To 100, Deduct	*-3.03*	
		For >100, Deduct	*-6.06*	
05 05 19 00-0095	EA	1" Diameter x 12" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	40.84	
		For >10 To 50, Deduct	*-1.38*	
		For >50 To 100, Deduct	*-3.09*	
		For >100, Deduct	*-6.18*	

05 05 19 00-0096 Concrete Sleeve Anchors *(05 05 19 00-0002)*

05 05 19 00-0097 Zinc Plated Steel, Concrete Sleeve Anchors *(05 05 19 00-0096)*

Note: Includes nut and washer.

05 05 19 00-0098	EA	1/4" Diameter x 5/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	8.22	
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-0.80*	
		For >100, Deduct	*-1.60*	
05 05 19 00-0099	EA	1/4" Diameter x 1-3/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	8.31	
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-0.80*	
		For >100, Deduct	*-1.60*	
05 05 19 00-0100	EA	1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	8.43	
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-0.80*	
		For >100, Deduct	*-1.61*	
05 05 19 00-0101	EA	5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	8.65	
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-0.84*	
		For >100, Deduct	*-1.68*	
05 05 19 00-0102	EA	5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	8.74	
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-0.84*	
		For >100, Deduct	*-1.68*	
05 05 19 00-0103	EA	3/8" Diameter x 1-7/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	9.81	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-0.95*	
		For >100, Deduct	*-1.90*	
05 05 19 00-0104	EA	3/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	9.97	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-0.95*	
		For >100, Deduct	*-1.91*	
05 05 19 00-0105	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	10.12	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-0.96*	
		For >100, Deduct	*-1.91*	
05 05 19 00-0106	EA	1/2" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.11	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.35*	
		For >100, Deduct	*-2.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0107	EA	1/2" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.31	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.36*	
		For >100, Deduct	*-2.72*	
05 05 19 00-0108	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.49	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.36*	
		For >100, Deduct	*-2.73*	
05 05 19 00-0109	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.70	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.37*	
		For >100, Deduct	*-2.74*	
05 05 19 00-0110	EA	5/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	17.68	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-1.68*	
		For >100, Deduct	*-3.36*	
05 05 19 00-0111	EA	5/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	17.99	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-1.69*	
		For >100, Deduct	*-3.37*	
05 05 19 00-0112	EA	5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	18.22	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-1.69*	
		For >100, Deduct	*-3.39*	
05 05 19 00-0113	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor	18.89	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-1.71*	
		For >100, Deduct	*-3.42*	
05 05 19 00-0114	EA	3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	21.58	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.01*	
		For >100, Deduct	*-4.02*	
05 05 19 00-0115	EA	3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	22.16	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.03*	
		For >100, Deduct	*-4.05*	
05 05 19 00-0116	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	22.68	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.04*	
		For >100, Deduct	*-4.08*	
05 05 19 00-0117	EA	3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	23.51	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.06*	
		For >100, Deduct	*-4.12*	

05 05 19 00-0118 304/18-8 Stainless Steel, Concrete Sleeve Anchors *(05 05 19 00-0096)*

Note: Includes nut and washer.

05 05 19 00-0119	EA	1/4" Diameter x 1-3/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	9.06	
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-0.82*	
		For >100, Deduct	*-1.64*	
05 05 19 00-0120	EA	3/8" Diameter x 1-7/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	11.57	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-0.99*	
		For >100, Deduct	*-1.99*	
05 05 19 00-0121	EA	3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	12.43	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-1.02*	
		For >100, Deduct	*-2.03*	
05 05 19 00-0122	EA	1/2" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	17.04	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.43*	
		For >100, Deduct	*-2.85*	
05 05 19 00-0123	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	18.59	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.47*	
		For >100, Deduct	*-2.93*	
05 05 19 00-0124	EA	5/8" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	24.94	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-1.86*	
		For >100, Deduct	*-3.72*	

05 05 19 00-0125 Concrete Strike Anchors *(05 05 19 00-0002)*

Note: Includes nut and washer.

05 05 19 00-0126	EA	1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	8.69	
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-0.81*	
		For >100, Deduct	*-1.62*	
05 05 19 00-0127	EA	1/4" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor	8.85	
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-0.81*	
		For >100, Deduct	*-1.63*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0128	EA	5/16" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	9.24	
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-0.85*	
		For >100, Deduct	*-1.71*	
05 05 19 00-0129	EA	5/16" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor	9.91	
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-0.87*	
		For >100, Deduct	*-1.74*	
05 05 19 00-0130	EA	3/8" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor	10.54	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-0.97*	
		For >100, Deduct	*-1.94*	
05 05 19 00-0131	EA	3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor	11.05	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-0.98*	
		For >100, Deduct	*-1.96*	
05 05 19 00-0132	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor	11.44	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-0.99*	
		For >100, Deduct	*-1.98*	
05 05 19 00-0133	EA	1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	15.37	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.39*	
		For >100, Deduct	*-2.77*	
05 05 19 00-0134	EA	1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor	15.67	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.39*	
		For >100, Deduct	*-2.79*	
05 05 19 00-0135	EA	1/2" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	16.56	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.42*	
		For >100, Deduct	*-2.83*	
05 05 19 00-0136	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	17.71	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.44*	
		For >100, Deduct	*-2.89*	
05 05 19 00-0137	EA	5/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor	20.34	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-1.75*	
		For >100, Deduct	*-3.49*	
05 05 19 00-0138	EA	5/8" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	21.40	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-1.77*	
		For >100, Deduct	*-3.55*	
05 05 19 00-0139	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	22.34	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-1.80*	
		For >100, Deduct	*-3.59*	
05 05 19 00-0140	EA	3/4" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor	26.01	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.12*	
		For >100, Deduct	*-4.24*	
05 05 19 00-0141	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	27.00	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.15*	
		For >100, Deduct	*-4.29*	

05 05 19 00-0142 Multi-Set Drop-In Anchors *(05 05 19 00-0002)*

05 05 19 00-0143 Zinc Plated Steel, Multi-Set Drop-In Anchors *(05 05 19 00-0142)*

Note: Excludes bolt, nut and washer.

05 05 19 00-0144	EA	1/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	11.41	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.11*	
		For >100, Deduct	*-2.22*	
05 05 19 00-0145	EA	3/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	13.96	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.35*	
		For >100, Deduct	*-2.71*	
05 05 19 00-0146	EA	1/2" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	16.99	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.61*	
		For >100, Deduct	*-3.22*	
05 05 19 00-0147	EA	5/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	19.23	
		For >10 To 50, Deduct	*-0.87*	
		For >50 To 100, Deduct	*-1.78*	
		For >100, Deduct	*-3.57*	
05 05 19 00-0148	EA	3/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	22.96	
		For >10 To 50, Deduct	*-0.99*	
		For >50 To 100, Deduct	*-2.06*	
		For >100, Deduct	*-4.11*	

05 05 19 00-0149 304/18-8 Stainless Steel, Multi-Set Drop-In Anchors *(05 05 19 00-0142)*

Note: Excludes bolt, nut and washer.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0150	EA	1/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	13.17	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.15*	
		For >100, Deduct	*-2.31*	
05 05 19 00-0151	EA	3/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	17.32	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.44*	
		For >100, Deduct	*-2.88*	
05 05 19 00-0152	EA	1/2" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	21.36	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.72*	
		For >100, Deduct	*-3.44*	
05 05 19 00-0153	EA	5/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	26.26	
		For >10 To 50, Deduct	*-0.87*	
		For >50 To 100, Deduct	*-1.96*	
		For >100, Deduct	*-3.92*	
05 05 19 00-0154	EA	3/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	35.05	
		For >10 To 50, Deduct	*-0.99*	
		For >50 To 100, Deduct	*-2.36*	
		For >100, Deduct	*-4.72*	

05 05 19 00-0155 Single Bolt Expansion Anchors *(05 05 19 00-0002)*

Note: Excludes bolt, nut and washer.

05 05 19 00-0156	EA	1/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	8.36	
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-0.80*	
		For >100, Deduct	*-1.60*	
05 05 19 00-0157	EA	5/16" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	8.92	
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-0.84*	
		For >100, Deduct	*-1.69*	
05 05 19 00-0158	EA	3/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	10.09	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-0.96*	
		For >100, Deduct	*-1.91*	
05 05 19 00-0159	EA	1/2" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	14.70	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.37*	
		For >100, Deduct	*-2.74*	
05 05 19 00-0160	EA	5/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	20.21	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-1.74*	
		For >100, Deduct	*-3.49*	
05 05 19 00-0161	EA	3/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	24.34	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.08*	
		For >100, Deduct	*-4.16*	

05 05 19 00-0162 Concrete Lag Shield Anchors *(05 05 19 00-0002)*

Note: Excludes lag bolt and washer.

05 05 19 00-0163	EA	1/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	8.40	
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-0.80*	
		For >100, Deduct	*-1.61*	
05 05 19 00-0164	EA	5/16" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	10.00	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-0.95*	
		For >100, Deduct	*-1.91*	
05 05 19 00-0165	EA	3/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	10.40	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-0.96*	
		For >100, Deduct	*-1.93*	
05 05 19 00-0166	EA	1/2" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	14.68	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.37*	
		For >100, Deduct	*-2.74*	
05 05 19 00-0167	EA	5/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	19.58	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-1.73*	
		For >100, Deduct	*-3.45*	
05 05 19 00-0168	EA	3/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	22.05	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.02*	
		For >100, Deduct	*-4.05*	

05 05 19 00-0169 Chemical And Adhesive Anchors *(05 05 19 00-0001)*

05 05 19 00-0170 Chemically Adhered Anchor Rods *(05 05 19 00-0169)*

Note: Includes drilling hole, injected adhesive or pre-placed adhesive cartridge, nut and washer. Zinc coated carbon steel.

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0171	EA	1/4" x 1-9/16" Long Chemically Adhered Anchor Rod	10.57	
		For >10 To 50, Deduct	*-0.43*	
		For >50 To 100, Deduct	*-0.92*	
		For >100, Deduct	*-1.83*	
05 05 19 00-0172	EA	5/16" x 2-3/8" Long Chemically Adhered Anchor Rod	12.22	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-1.02*	
		For >100, Deduct	*-2.03*	
05 05 19 00-0173	EA	3/8" x 2-3/4" Long Chemically Adhered Anchor Rod	15.18	
		For >10 To 50, Deduct	*-0.59*	
		For >50 To 100, Deduct	*-1.27*	
		For >100, Deduct	*-2.54*	
05 05 19 00-0174	EA	1/2" x 3-11/16" Long Chemically Adhered Anchor Rod	17.74	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.44*	
		For >100, Deduct	*-2.89*	
05 05 19 00-0175	EA	1/2" x 5-1/2" Long Chemically Adhered Anchor Rod	18.74	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.47*	
		For >100, Deduct	*-2.94*	
05 05 19 00-0176	EA	5/8" x 7" Long Chemically Adhered Anchor Rod	23.19	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-1.82*	
		For >100, Deduct	*-3.63*	
05 05 19 00-0177	EA	3/4" x 9-1/2" Long Chemically Adhered Anchor Rod	29.99	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.22*	
		For >100, Deduct	*-4.44*	
05 05 19 00-0178	EA	7/8" x 10" Long Chemically Adhered Anchor Rod	35.42	
		For >10 To 50, Deduct	*-1.06*	
		For >50 To 100, Deduct	*-2.48*	
		For >100, Deduct	*-4.96*	
05 05 19 00-0179	EA	1" x 11-3/4" Long Chemically Adhered Anchor Rod	48.29	
		For >10 To 50, Deduct	*-1.38*	
		For >50 To 100, Deduct	*-3.27*	
		For >100, Deduct	*-6.55*	
05 05 19 00-0180	EA	1-1/4" x 14" Long Chemically Adhered Anchor Rod	69.00	
		For >10 To 50, Deduct	*-1.74*	
		For >50 To 100, Deduct	*-4.33*	
		For >100, Deduct	*-8.66*	

05 05 19 00-0181 Chemical Adhesives For Bolts, Dowels Or Threaded Rod *(05 05 19 00-0169)*

Note: Injected or drop in cartridge. Sizes listed are for the diameter of the bolt, dowel or rod to be anchored. Includes drilling. Excludes bolt, dowel or rod.

05 05 19 00-0182	EA	1/4" Chemical Adhesive For Bolt Or Threaded Rod	8.92	
		For >10 To 50, Deduct	*-0.43*	
		For >50 To 100, Deduct	*-0.87*	
		For >100, Deduct	*-1.75*	
05 05 19 00-0183	EA	5/16" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	9.77	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-0.96*	
		For >100, Deduct	*-1.91*	
05 05 19 00-0184	EA	3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	12.24	
		For >10 To 50, Deduct	*-0.59*	
		For >50 To 100, Deduct	*-1.19*	
		For >100, Deduct	*-2.39*	
05 05 19 00-0185	EA	1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	13.90	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.35*	
		For >100, Deduct	*-2.70*	
05 05 19 00-0186	EA	5/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	17.83	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-1.68*	
		For >100, Deduct	*-3.37*	
05 05 19 00-0187	EA	3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	21.95	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.02*	
		For >100, Deduct	*-4.04*	
05 05 19 00-0188	EA	7/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	24.35	
		For >10 To 50, Deduct	*-1.06*	
		For >50 To 100, Deduct	*-2.20*	
		For >100, Deduct	*-4.41*	
05 05 19 00-0189	EA	1" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	32.21	
		For >10 To 50, Deduct	*-1.38*	
		For >50 To 100, Deduct	*-2.87*	
		For >100, Deduct	*-5.74*	
05 05 19 00-0190	EA	1-1/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	36.89	
		For >10 To 50, Deduct	*-1.56*	
		For >50 To 100, Deduct	*-3.26*	
		For >100, Deduct	*-6.52*	
05 05 19 00-0191	EA	1-1/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	42.20	
		For >10 To 50, Deduct	*-1.74*	
		For >50 To 100, Deduct	*-3.66*	
		For >100, Deduct	*-7.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0192	EA	1-3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	45.64	
		For >10 To 50, Deduct	*-1.82*	
		For >50 To 100, Deduct	*-3.87*	
		For >100, Deduct	*-7.73*	
05 05 19 00-0193	EA	1-1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	50.32	
		For >10 To 50, Deduct	*-1.90*	
		For >50 To 100, Deduct	*-4.10*	
		For >100, Deduct	*-8.20*	
05 05 19 00-0194	EA	1-3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	59.69	
		For >10 To 50, Deduct	*-2.05*	
		For >50 To 100, Deduct	*-4.57*	
		For >100, Deduct	*-9.15*	
05 05 19 00-0195	EA	2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	79.88	
		For >10 To 50, Deduct	*-2.13*	
		For >50 To 100, Deduct	*-5.20*	
		For >100, Deduct	*-10.39*	

05 05 19 00-0196 Grout Concrete Anchor Bolt Or Threaded Rod *(05 05 19 00-0169)*

05 05 19 00-0197	EA	Grout Concrete Anchor Bolt or Threaded Rod	3.42	
		For >10 To 50, Deduct	*-0.17*	
		For >50 To 100, Deduct	*-0.33*	
		For >100, Deduct	*-0.67*	

05 05 19 00-0198 Other Concrete And Masonry Anchors *(05 05 19 00-0001)*

05 05 19 00-0199 Tapcon Masonry Screws *(05 05 19 00-0198)*

Note: Includes drilling. Countersunk or hex head.

05 05 19 00-0200	EA	3/16" x 1-1/4" Tapcon Masonry Screw	8.09	
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-0.79*	
		For >100, Deduct	*-1.59*	
05 05 19 00-0201	EA	3/16" x 2-1/4" Tapcon Masonry Screw	8.14	
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-0.80*	
		For >100, Deduct	*-1.59*	
05 05 19 00-0202	EA	3/16" x 3-1/4" Tapcon Masonry Screw	8.24	
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-0.80*	
		For >100, Deduct	*-1.60*	
05 05 19 00-0203	EA	1/4" x 1-1/4" Tapcon Masonry Screw	8.14	
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-0.80*	
		For >100, Deduct	*-1.59*	
05 05 19 00-0204	EA	1/4" x 2-1/4" Tapcon Masonry Screw	8.20	
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-0.80*	
		For >100, Deduct	*-1.60*	
05 05 19 00-0205	EA	1/4" x 3-1/4" Tapcon Masonry Screw	8.33	
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-0.80*	
		For >100, Deduct	*-1.60*	

05 05 19 00-0206 Large Diameter, Self-Threading Concrete Fasteners *(05 05 19 00-0198)*

Note: Includes drilling. Zinc plated.

05 05 19 00-0207	EA	3/8" x 1-3/4", Large Diameter, Self-Threading Concrete Fastener	8.57	
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-0.81*	
		For >100, Deduct	*-1.61*	
05 05 19 00-0208	EA	3/8" x 2-1/2", Large Diameter, Self-Threading Concrete Fastener	8.81	
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-0.81*	
		For >100, Deduct	*-1.63*	
05 05 19 00-0209	EA	3/8" x 3", Large Diameter, Self-Threading Concrete Fastener	8.88	
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-0.81*	
		For >100, Deduct	*-1.63*	
05 05 19 00-0210	EA	3/8" x 4", Large Diameter, Self-Threading Concrete Fastener	8.99	
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-0.82*	
		For >100, Deduct	*-1.63*	
05 05 19 00-0211	EA	3/8" x 5", Large Diameter, Self-Threading Concrete Fastener	9.09	
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-0.82*	
		For >100, Deduct	*-1.64*	
05 05 19 00-0212	EA	1/2" x 3", Large Diameter, Self-Threading Concrete Fastener	9.30	
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-0.83*	
		For >100, Deduct	*-1.65*	
05 05 19 00-0213	EA	1/2" x 4", Large Diameter, Self-Threading Concrete Fastener	9.56	
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-0.83*	
		For >100, Deduct	*-1.66*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0214	EA	1/2" x 5", Large Diameter, Self-Threading Concrete Fastener	9.80	
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-0.84*	
		For >100, Deduct	*-1.68*	
05 05 19 00-0215	EA	1/2" x 6", Large Diameter, Self-Threading Concrete Fastener	10.46	
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-0.85*	
		For >100, Deduct	*-1.71*	
05 05 19 00-0216	EA	5/8" x 3", Large Diameter, Self-Threading Concrete Fastener	10.54	
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-0.86*	
		For >100, Deduct	*-1.71*	
05 05 19 00-0217	EA	5/8" x 4", Large Diameter, Self-Threading Concrete Fastener	10.95	
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-0.87*	
		For >100, Deduct	*-1.73*	
05 05 19 00-0218	EA	5/8" x 5", Large Diameter, Self-Threading Concrete Fastener	11.37	
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-0.88*	
		For >100, Deduct	*-1.75*	
05 05 19 00-0219	EA	5/8" x 6", Large Diameter, Self-Threading Concrete Fastener	11.64	
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-0.88*	
		For >100, Deduct	*-1.77*	
05 05 19 00-0220	EA	3/4" x 4-1/2", Large Diameter, Self-Threading Concrete Fastener	11.52	
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-0.88*	
		For >100, Deduct	*-1.76*	
05 05 19 00-0221	EA	3/4" x 5-1/2", Large Diameter, Self-Threading Concrete Fastener	11.90	
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-0.89*	
		For >100, Deduct	*-1.78*	
05 05 19 00-0222	EA	3/4" x 6-1/4", Large Diameter, Self-Threading Concrete Fastener	12.81	
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-0.91*	
		For >100, Deduct	*-1.83*	

05 05 19 00-0223 Pin Bolt Drives *(05 05 19 00-0198)*

Note: Includes drilling. Zinc plated.

05 05 19 00-0224	EA	1/4" x 1" Pin Bolt Drive	5.02	
		For >10 To 50, Deduct	*-0.24*	
		For >50 To 100, Deduct	*-0.48*	
		For >100, Deduct	*-0.96*	
05 05 19 00-0225	EA	1/4" x 1-1/4" Pin Bolt Drive	5.02	
		For >10 To 50, Deduct	*-0.24*	
		For >50 To 100, Deduct	*-0.48*	
		For >100, Deduct	*-0.96*	
05 05 19 00-0226	EA	1/4" x 1-1/2" Pin Bolt Drive	5.06	
		For >10 To 50, Deduct	*-0.24*	
		For >50 To 100, Deduct	*-0.48*	
		For >100, Deduct	*-0.96*	
05 05 19 00-0227	EA	1/4" x 2" Pin Bolt Drive	5.07	
		For >10 To 50, Deduct	*-0.24*	
		For >50 To 100, Deduct	*-0.48*	
		For >100, Deduct	*-0.96*	

05 05 19 00-0228 Powder Actuated, Shot-In Place Anchors With Exposed Thread *(05 05 19 00-0198)*

05 05 19 00-0229	EA	1/4" Diameter Threaded Stud Powder Actuated Anchor	11.39	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.11*	
		For >100, Deduct	*-2.23*	
05 05 19 00-0230	EA	3/8" Diameter Threaded Stud Powder Actuated Anchor	14.03	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.36*	
		For >100, Deduct	*-2.71*	

05 05 23 Metal Fastenings *(05 05)*

05 05 23 00-0001 Hex Bolts *(05 05 23)*

Note: For owner furnished materials or where requested by the owner. Excludes drilling through wood, steel, concrete, brick or block. See CSI section 02 41 19 13-0196 for drilling into concrete, 02 41 19 13-0206 for drilling into brick or block, 02 41 19 13-0216 for drilling into wood or plastic, 05 05 23 00-1567 for drilling through steel.

05 05 23 00-0002 A307B Heavy Hex Bolts *(05 05 23 00-0001)*

Note: Includes A307B heavy hex nut and two structural washers.

05 05 23 00-0003 Plain Finish A307B Heavy Hex Bolts *(05 05 23 00-0002)*

05 05 23 00-0004	EA	1/2" Diameter x 1-1/2" Long, Plain Finish A307B Heavy Hex Bolt	10.33	1.07
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-0.93*	
		For >100, Deduct	*-1.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0005	EA	1/2" Diameter x 3" Long, Plain Finish A307B Heavy Hex Bolt	11.15	1.07
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-0.95*	
		For >100, Deduct	*-1.90*	
05 05 23 00-0006	EA	5/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	11.17	1.07
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-0.95*	
		For >100, Deduct	*-1.90*	
05 05 23 00-0007	EA	5/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	13.19	1.22
		For >10 To 50, Deduct	*-0.51*	
		For >50 To 100, Deduct	*-1.09*	
		For >100, Deduct	*-2.19*	
05 05 23 00-0008	EA	3/4" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	12.54	1.07
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-0.98*	
		For >100, Deduct	*-1.97*	
05 05 23 00-0009	EA	3/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	14.89	1.22
		For >10 To 50, Deduct	*-0.51*	
		For >50 To 100, Deduct	*-1.14*	
		For >100, Deduct	*-2.27*	
05 05 23 00-0010	EA	3/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	18.23	1.28
		For >10 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.25*	
		For >100, Deduct	*-2.51*	
05 05 23 00-0011	EA	3/4" Diameter x 8" Long, Plain Finish A307B Heavy Hex Bolt	19.52	1.35
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.33*	
		For >100, Deduct	*-2.66*	
05 05 23 00-0012	EA	7/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	14.76	1.16
		For >10 To 50, Deduct	*-0.48*	
		For >50 To 100, Deduct	*-1.10*	
		For >100, Deduct	*-2.19*	
05 05 23 00-0013	EA	7/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	17.51	1.28
		For >10 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.24*	
		For >100, Deduct	*-2.47*	
05 05 23 00-0014	EA	1" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	20.25	1.35
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.35*	
		For >100, Deduct	*-2.69*	
05 05 23 00-0015	EA	1" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	27.76	1.41
		For >10 To 50, Deduct	*-0.59*	
		For >50 To 100, Deduct	*-1.58*	
		For >100, Deduct	*-3.15*	
05 05 23 00-0016	EA	1-1/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	32.37	1.59
		For >10 To 50, Deduct	*-0.66*	
		For >50 To 100, Deduct	*-1.81*	
		For >100, Deduct	*-3.61*	
05 05 23 00-0017	EA	1-1/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	36.23	1.71
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.97*	
		For >100, Deduct	*-3.95*	

05 05 23 00-0018 Galvanized A307B Heavy Hex Bolts *(05 05 23 00-0002)*

05 05 23 00-0019	EA	1/2" Diameter x 1-1/2" Long, Galvanized A307B Heavy Hex Bolt	10.74	1.07
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-0.94*	
		For >100, Deduct	*-1.88*	
05 05 23 00-0020	EA	1/2" Diameter x 3" Long, Galvanized A307B Heavy Hex Bolt	11.42	1.07
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-0.95*	
		For >100, Deduct	*-1.91*	
05 05 23 00-0021	EA	5/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	12.16	1.07
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-0.97*	
		For >100, Deduct	*-1.95*	
05 05 23 00-0022	EA	5/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	14.18	1.22
		For >10 To 50, Deduct	*-0.51*	
		For >50 To 100, Deduct	*-1.12*	
		For >100, Deduct	*-2.24*	
05 05 23 00-0023	EA	3/4" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	13.66	1.07
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-1.01*	
		For >100, Deduct	*-2.02*	
05 05 23 00-0024	EA	3/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	16.96	1.22
		For >10 To 50, Deduct	*-0.51*	
		For >50 To 100, Deduct	*-1.19*	
		For >100, Deduct	*-2.38*	
05 05 23 00-0025	EA	3/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt	21.81	1.28
		For >10 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.34*	
		For >100, Deduct	*-2.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0026	EA	3/4" Diameter x 8" Long, Galvanized A307B Heavy Hex Bolt	25.30	1.35
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.47*	
		For >100, Deduct	*-2.95*	
05 05 23 00-0027	EA	7/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	17.70	1.16
		For >10 To 50, Deduct	*-0.48*	
		For >50 To 100, Deduct	*-1.17*	
		For >100, Deduct	*-2.34*	
05 05 23 00-0028	EA	7/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	20.82	1.28
		For >10 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.32*	
		For >100, Deduct	*-2.64*	
05 05 23 00-0029	EA	1" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	24.52	1.35
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.45*	
		For >100, Deduct	*-2.91*	
05 05 23 00-0030	EA	1" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt	35.51	1.41
		For >10 To 50, Deduct	*-0.59*	
		For >50 To 100, Deduct	*-1.77*	
		For >100, Deduct	*-3.54*	
05 05 23 00-0031	EA	1-1/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	35.84	1.59
		For >10 To 50, Deduct	*-0.66*	
		For >50 To 100, Deduct	*-1.89*	
		For >100, Deduct	*-3.79*	
05 05 23 00-0032	EA	1-1/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt	44.25	1.71
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-2.17*	
		For >100, Deduct	*-4.35*	

05 05 23 00-0033 A325 High Strength Structural Bolts *(05 05 23 00-0001)*

05 05 23 00-0034 Plain Finish A325 High Strength Structural Bolts *(05 05 23 00-0033)*

Note: Includes A325 heavy hex nut and structural washer.

05 05 23 00-0035	EA	1/2" Diameter x 1-1/2" Long, Plain Finish A325 High Strength Structural Bolt	10.14	1.07
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-0.92*	
		For >100, Deduct	*-1.85*	
05 05 23 00-0036	EA	1/2" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt	10.32	1.07
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-0.93*	
		For >100, Deduct	*-1.85*	
05 05 23 00-0037	EA	5/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt	10.90	1.07
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-0.94*	
		For >100, Deduct	*-1.88*	
05 05 23 00-0038	EA	5/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	13.21	1.22
		For >10 To 50, Deduct	*-0.51*	
		For >50 To 100, Deduct	*-1.09*	
		For >100, Deduct	*-2.19*	
05 05 23 00-0039	EA	5/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	15.04	1.28
		For >10 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.17*	
		For >100, Deduct	*-2.35*	
05 05 23 00-0040	EA	3/4" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt	11.70	1.07
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-0.96*	
		For >100, Deduct	*-1.92*	
05 05 23 00-0041	EA	3/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	14.06	1.22
		For >10 To 50, Deduct	*-0.51*	
		For >50 To 100, Deduct	*-1.12*	
		For >100, Deduct	*-2.23*	
05 05 23 00-0042	EA	3/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	15.80	1.28
		For >10 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.19*	
		For >100, Deduct	*-2.39*	
05 05 23 00-0043	EA	3/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt	19.01	1.35
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.32*	
		For >100, Deduct	*-2.63*	
05 05 23 00-0044	EA	7/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt	13.44	1.16
		For >10 To 50, Deduct	*-0.48*	
		For >50 To 100, Deduct	*-1.06*	
		For >100, Deduct	*-2.12*	
05 05 23 00-0045	EA	7/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	16.11	1.28
		For >10 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.20*	
		For >100, Deduct	*-2.40*	
05 05 23 00-0046	EA	7/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	18.18	1.35
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.29*	
		For >100, Deduct	*-2.59*	
05 05 23 00-0047	EA	7/8" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt	19.62	1.41
		For >10 To 50, Deduct	*-0.59*	
		For >50 To 100, Deduct	*-1.37*	
		For >100, Deduct	*-2.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0048	EA	1" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt	14.71	1.21
		For >10 To 50, Deduct	*-0.50*	
		For >50 To 100, Deduct	*-1.12*	
		For >100, Deduct	*-2.24*	
05 05 23 00-0049	EA	1" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	17.50	1.35
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.28*	
		For >100, Deduct	*-2.56*	
05 05 23 00-0050	EA	1" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	20.00	1.41
		For >10 To 50, Deduct	*-0.59*	
		For >50 To 100, Deduct	*-1.38*	
		For >100, Deduct	*-2.77*	
05 05 23 00-0051	EA	1" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt	25.04	1.50
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.57*	
		For >100, Deduct	*-3.13*	
05 05 23 00-0052	EA	1-1/4" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt	24.03	1.50
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.54*	
		For >100, Deduct	*-3.08*	
05 05 23 00-0053	EA	1-1/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	27.05	1.59
		For >10 To 50, Deduct	*-0.66*	
		For >50 To 100, Deduct	*-1.67*	
		For >100, Deduct	*-3.35*	
05 05 23 00-0054	EA	1-1/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	31.43	1.71
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.85*	
		For >100, Deduct	*-3.71*	
05 05 23 00-0055	EA	1-1/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt	36.58	1.82
		For >10 To 50, Deduct	*-0.76*	
		For >50 To 100, Deduct	*-2.05*	
		For >100, Deduct	*-4.11*	

05 05 23 00-0056 Galvanized A325 High Strength Structural Bolts *(05 05 23 00-0033)*

Note: Includes A325 heavy hex nut and structural washer.

05 05 23 00-0057	EA	1/2" Diameter x 1-1/2" Long, Galvanized A325 High Strength Structural Bolt	10.51	1.07
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-0.93*	
		For >100, Deduct	*-1.86*	
05 05 23 00-0058	EA	1/2" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt	10.63	1.07
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-0.93*	
		For >100, Deduct	*-1.87*	
05 05 23 00-0059	EA	5/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt	11.66	1.07
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-0.96*	
		For >100, Deduct	*-1.92*	
05 05 23 00-0060	EA	5/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	13.75	1.22
		For >10 To 50, Deduct	*-0.51*	
		For >50 To 100, Deduct	*-1.11*	
		For >100, Deduct	*-2.22*	
05 05 23 00-0061	EA	5/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	14.52	1.28
		For >10 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.16*	
		For >100, Deduct	*-2.32*	
05 05 23 00-0062	EA	3/4" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt	12.05	1.07
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-0.97*	
		For >100, Deduct	*-1.94*	
05 05 23 00-0063	EA	3/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	14.50	1.22
		For >10 To 50, Deduct	*-0.51*	
		For >50 To 100, Deduct	*-1.13*	
		For >100, Deduct	*-2.25*	
05 05 23 00-0064	EA	3/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	16.48	1.28
		For >10 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.21*	
		For >100, Deduct	*-2.42*	
05 05 23 00-0065	EA	3/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	20.63	1.35
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.36*	
		For >100, Deduct	*-2.71*	
05 05 23 00-0066	EA	7/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt	15.54	1.16
		For >10 To 50, Deduct	*-0.48*	
		For >50 To 100, Deduct	*-1.11*	
		For >100, Deduct	*-2.23*	
05 05 23 00-0067	EA	7/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	17.35	1.28
		For >10 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.23*	
		For >100, Deduct	*-2.46*	
05 05 23 00-0068	EA	7/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	19.68	1.35
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.33*	
		For >100, Deduct	*-2.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0069	EA	7/8" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	24.13	1.41
		For >10 To 50, Deduct	*-0.59*	
		For >50 To 100, Deduct	*-1.49*	
		For >100, Deduct	*-2.97*	
05 05 23 00-0070	EA	1" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt	16.34	1.21
		For >10 To 50, Deduct	*-0.50*	
		For >50 To 100, Deduct	*-1.16*	
		For >100, Deduct	*-2.33*	
05 05 23 00-0071	EA	1" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	21.24	1.35
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.37*	
		For >100, Deduct	*-2.74*	
05 05 23 00-0072	EA	1" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	23.13	1.41
		For >10 To 50, Deduct	*-0.59*	
		For >50 To 100, Deduct	*-1.46*	
		For >100, Deduct	*-2.92*	
05 05 23 00-0073	EA	1" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	28.90	1.50
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.66*	
		For >100, Deduct	*-3.32*	
05 05 23 00-0074	EA	1-1/4" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt	28.74	1.50
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.66*	
		For >100, Deduct	*-3.32*	
05 05 23 00-0075	EA	1-1/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	30.65	1.59
		For >10 To 50, Deduct	*-0.66*	
		For >50 To 100, Deduct	*-1.76*	
		For >100, Deduct	*-3.53*	
05 05 23 00-0076	EA	1-1/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	35.56	1.71
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.96*	
		For >100, Deduct	*-3.91*	
05 05 23 00-0077	EA	1-1/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	40.89	1.82
		For >10 To 50, Deduct	*-0.76*	
		For >50 To 100, Deduct	*-2.16*	
		For >100, Deduct	*-4.32*	

05 05 23 00-0078 A490 High Strength Structural Bolts *(05 05 23 00-0001)*

Note: Includes A490 heavy hex nut and two structural washers.

05 05 23 00-0079 Plain Finish A490 High Strength Structural Bolts *(05 05 23 00-0078)*

05 05 23 00-0080	EA	5/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt	11.19	1.07
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-0.95*	
		For >100, Deduct	*-1.90*	
05 05 23 00-0081	EA	5/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	15.17	1.22
		For >10 To 50, Deduct	*-0.51*	
		For >50 To 100, Deduct	*-1.14*	
		For >100, Deduct	*-2.29*	
05 05 23 00-0082	EA	5/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	16.17	1.28
		For >10 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.20*	
		For >100, Deduct	*-2.41*	
05 05 23 00-0083	EA	3/4" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt	12.30	1.07
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-0.98*	
		For >100, Deduct	*-1.95*	
05 05 23 00-0084	EA	3/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	14.73	1.22
		For >10 To 50, Deduct	*-0.51*	
		For >50 To 100, Deduct	*-1.13*	
		For >100, Deduct	*-2.26*	
05 05 23 00-0085	EA	3/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	16.88	1.28
		For >10 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.22*	
		For >100, Deduct	*-2.44*	
05 05 23 00-0086	EA	3/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt	21.12	1.35
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.37*	
		For >100, Deduct	*-2.74*	
05 05 23 00-0087	EA	7/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt	14.12	1.16
		For >10 To 50, Deduct	*-0.48*	
		For >50 To 100, Deduct	*-1.08*	
		For >100, Deduct	*-2.16*	
05 05 23 00-0088	EA	7/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	16.32	1.28
		For >10 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.21*	
		For >100, Deduct	*-2.41*	
05 05 23 00-0089	EA	7/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	22.59	1.35
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.40*	
		For >100, Deduct	*-2.81*	
05 05 23 00-0090	EA	1" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt	16.30	1.21
		For >10 To 50, Deduct	*-0.50*	
		For >50 To 100, Deduct	*-1.16*	
		For >100, Deduct	*-2.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0091	EA	1" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	19.29	1.35
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.32*	
		For >100, Deduct	*-2.64*	
05 05 23 00-0092	EA	1" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	21.93	1.41
		For >10 To 50, Deduct	*-0.59*	
		For >50 To 100, Deduct	*-1.43*	
		For >100, Deduct	*-2.86*	
05 05 23 00-0093	EA	1-1/4" Diameter x 3" Long, Plain Finish A490 High Strength Structural Bolt	26.88	1.50
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.61*	
		For >100, Deduct	*-3.22*	
05 05 23 00-0094	EA	1-1/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	33.85	1.59
		For >10 To 50, Deduct	*-0.66*	
		For >50 To 100, Deduct	*-1.84*	
		For >100, Deduct	*-3.69*	
05 05 23 00-0095	EA	1-1/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	35.67	1.71
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.96*	
		For >100, Deduct	*-3.92*	
05 05 23 00-0096	EA	1-1/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt	37.31	1.82
		For >10 To 50, Deduct	*-0.76*	
		For >50 To 100, Deduct	*-2.07*	
		For >100, Deduct	*-4.14*	

05 05 23 00-0097 Hex Head Bolts *(05 05 23 00-0001)*

05 05 23 00-0098 Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0097)*

05 05 23 00-0099 1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*

05 05 23 00-0100	EA	1/4" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	4.99	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0101	EA	1/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.01	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0102	EA	1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.05	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0103	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.08	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0104	EA	1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.25	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0105	EA	1/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.26	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0106	EA	1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.33	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0107	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.48	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.56*	
05 05 23 00-0108	EA	1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.50	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.56*	
05 05 23 00-0109	EA	1/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.61	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.56*	
05 05 23 00-0110	EA	1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.83	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0111	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.91	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0112	EA	1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.03	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0113	EA	1/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.42	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0114	EA	1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.59	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0115	EA	1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.63	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0116		5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*		
05 05 23 00-0117	EA	5/16" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.03	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0118	EA	5/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.05	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0119	EA	5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.09	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0120	EA	5/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.12	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0121	EA	5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.30	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0122	EA	5/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.37	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0123	EA	5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.40	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0124	EA	5/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.61	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.56*	
05 05 23 00-0125	EA	5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.71	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.56*	
05 05 23 00-0126	EA	5/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.75	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.56*	
05 05 23 00-0127	EA	5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.92	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0128	EA	5/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.96	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0129	EA	5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.35	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0130	EA	5/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.70	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0131	EA	5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.87	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0132	EA	5/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.03	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0133		3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0134	EA	3/8" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.08	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0135	EA	3/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.10	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0136	EA	3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.15	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0137	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.20	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0138	EA	3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.39	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0139	EA	3/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.48	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0140	EA	3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.57	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0141	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.80	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.56*	
05 05 23 00-0142	EA	3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.92	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.56*	
05 05 23 00-0143	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.98	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.56*	
05 05 23 00-0144	EA	3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.24	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0145	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.31	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0146	EA	3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.35	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0147	EA	3/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.54	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0148	EA	3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.61	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0149	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.72	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	

05 05 23 00-0150 7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*

05 05 23 00-0151	EA	7/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.01	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0152	EA	7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.09	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0153	EA	7/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.10	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0154	EA	7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.34	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0155	EA	7/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.45	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0156	EA	7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.54	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0157	EA	7/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.92	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.78*	
05 05 23 00-0158	EA	7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.98	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.78*	
05 05 23 00-0159	EA	7/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.12	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.78*	
05 05 23 00-0160	EA	7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.48	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0161	EA	7/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.54	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0162	EA	7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.71	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0163	EA	7/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.92	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0164	EA	7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.08	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0165	EA	7/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.38	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0166		1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*		
05 05 23 00-0167	EA	1/2" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.95	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0168	EA	1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.04	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0169	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.13	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0170	EA	1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.37	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0171	EA	1/2" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.46	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0172	EA	1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.55	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0173	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.81	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.78*	
05 05 23 00-0174	EA	1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.92	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.78*	
05 05 23 00-0175	EA	1/2" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.10	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0176	EA	1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.27	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0177	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.29	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0178	EA	1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.45	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0179	EA	1/2" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.73	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0180	EA	1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.83	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0181	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.10	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0182	EA	1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.37	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0183	EA	1/2" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.47	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0184	EA	1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.85	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0185	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.96	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0186		9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*		
05 05 23 00-0187	EA	9/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.04	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0188	EA	9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.16	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0189	EA	9/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.19	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0190	EA	9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.73	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0191	EA	9/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.89	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0192	EA	9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.94	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0193	EA	9/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.10	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.78*	
05 05 23 00-0194	EA	9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.14	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.78*	
05 05 23 00-0195	EA	9/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.28	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.78*	
05 05 23 00-0196	EA	9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.45	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-1.82*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0197	EA	9/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.48	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0198	EA	9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.60	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0199	EA	9/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.87	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0200	EA	9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.02	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0201	EA	9/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.16	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0202	EA	9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.42	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0203	EA	9/16" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.59	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0204	EA	9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.70	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0205	EA	9/16" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.88	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	

05 05 23 00-0206 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*

05 05 23 00-0207	EA	5/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.01	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0208	EA	5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.09	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0209	EA	5/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.20	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0210	EA	5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.48	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0211	EA	5/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.64	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0212	EA	5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.83	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0213	EA	5/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.22	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0214	EA	5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.52	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0215	EA	5/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.75	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0216	EA	5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.99	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.69*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0217	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.02	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.69*	
		For >500, Deduct	*-2.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0218	EA	5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.42	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.69*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0219	EA	5/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.78	
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-1.73*	
		For >500, Deduct	*-2.07*	
05 05 23 00-0220	EA	5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.10	
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-1.73*	
		For >500, Deduct	*-2.07*	
05 05 23 00-0221	EA	5/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.46	
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-1.73*	
		For >500, Deduct	*-2.07*	
05 05 23 00-0222	EA	5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.00	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0223	EA	5/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.36	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0224	EA	5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.73	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0225	EA	5/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.01	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	

05 05 23 00-0226 3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*

05 05 23 00-0227	EA	3/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.28	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0228	EA	3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.44	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0229	EA	3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.59	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0230	EA	3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.92	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0231	EA	3/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.15	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0232	EA	3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.36	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0233	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.72	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0234	EA	3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.00	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0235	EA	3/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.23	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0236	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.84	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.69*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0237	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.02	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.69*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0238	EA	3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.38	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.69*	
		For >500, Deduct	*-2.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0239	EA	3/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.54	
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-1.73*	
		For >500, Deduct	*-2.07*	
05 05 23 00-0240	EA	3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.36	
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-1.73*	
		For >500, Deduct	*-2.07*	
05 05 23 00-0241	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.74	
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-1.73*	
		For >500, Deduct	*-2.07*	
05 05 23 00-0242	EA	3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.39	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0243	EA	3/4" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.77	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0244	EA	3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.28	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0245	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.78	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0246		7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*		
05 05 23 00-0247	EA	7/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.84	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0248	EA	7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.98	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0249	EA	7/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.04	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0250	EA	7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.38	
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-1.80*	
		For >500, Deduct	*-2.16*	
05 05 23 00-0251	EA	7/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.75	
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-1.80*	
		For >500, Deduct	*-2.16*	
05 05 23 00-0252	EA	7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.19	
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-1.80*	
		For >500, Deduct	*-2.16*	
05 05 23 00-0253	EA	7/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.70	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.83*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0254	EA	7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.33	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.83*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0255	EA	7/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.69	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.83*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0256	EA	7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.11	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.87*	
		For >500, Deduct	*-2.24*	
05 05 23 00-0257	EA	7/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.31	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.87*	
		For >500, Deduct	*-2.24*	
05 05 23 00-0258	EA	7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.82	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.87*	
		For >500, Deduct	*-2.24*	
05 05 23 00-0259	EA	7/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.46	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0260	EA	7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.97	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0261	EA	7/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.47	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0262	EA	7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.09	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-0263	EA	7/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.62	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-0264	EA	7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.11	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-0265	EA	7/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.63	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	

05 05 23 00-0266 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*

05 05 23 00-0267	EA	1" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.46	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0268	EA	1" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.38	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0269	EA	1" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.11	
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-1.80*	
		For >500, Deduct	*-2.16*	
05 05 23 00-0270	EA	1" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.83	
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-1.80*	
		For >500, Deduct	*-2.16*	
05 05 23 00-0271	EA	1" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.49	
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-1.80*	
		For >500, Deduct	*-2.16*	
05 05 23 00-0272	EA	1" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.31	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.83*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0273	EA	1" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.95	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.83*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0274	EA	1" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.61	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.83*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0275	EA	1" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.08	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.87*	
		For >500, Deduct	*-2.24*	
05 05 23 00-0276	EA	1" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.40	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.87*	
		For >500, Deduct	*-2.24*	
05 05 23 00-0277	EA	1" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.95	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.87*	
		For >500, Deduct	*-2.24*	
05 05 23 00-0278	EA	1" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.65	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0279	EA	1" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.19	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0280	EA	1" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.77	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0281	EA	1" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	18.36	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-0282	EA	1" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	19.01	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-0283	EA	1" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	19.58	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-0284	EA	1" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	20.15	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	

05 05 23 00-0285 Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0097)*

05 05 23 00-0286 1/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0287	EA	1/4" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.03	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0288	EA	1/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.05	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0289	EA	1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.08	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0290	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.13	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0291	EA	1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.32	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0292	EA	1/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.40	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0293	EA	1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.50	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0294	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.71	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.56*	
05 05 23 00-0295	EA	1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.83	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.56*	
05 05 23 00-0296	EA	1/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.91	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.56*	
05 05 23 00-0297	EA	1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.13	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0298	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.21	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0299	EA	1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.28	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0300	EA	1/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.53	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0301	EA	1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.63	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0302	EA	1/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.74	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0303		**5/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts** *(05 05 23 00-0285)*		
05 05 23 00-0304	EA	5/16" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.08	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0305	EA	5/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.10	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0306	EA	5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.14	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0307	EA	5/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.20	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0308	EA	5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.39	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0309	EA	5/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.48	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0310	EA	5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.62	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0311	EA	5/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.84	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.56*	
05 05 23 00-0312	EA	5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.95	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.56*	
05 05 23 00-0313	EA	5/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.06	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.56*	
05 05 23 00-0314	EA	5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.41	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0315	EA	5/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.45	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0316	EA	5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.59	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0317	EA	5/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.92	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0318	EA	5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.12	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0319	EA	5/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.31	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0320		**3/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts** *(05 05 23 00-0285)*		
05 05 23 00-0321	EA	3/8" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.11	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0322	EA	3/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.13	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0323	EA	3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.20	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0324	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.27	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0325	EA	3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.48	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0326	EA	3/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.56	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0327	EA	3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.69	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0328	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.97	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.56*	
05 05 23 00-0329	EA	3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.27	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.56*	
05 05 23 00-0330	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.40	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.56*	
05 05 23 00-0331	EA	3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.72	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0332	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.85	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0333	EA	3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.07	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0334	EA	3/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.39	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0335	EA	3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.69	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0336	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.93	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	

05 05 23 00-0337 7/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0338	EA	7/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.96	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0339	EA	7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.02	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0340	EA	7/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.17	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0341	EA	7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.43	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0342	EA	7/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.54	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0343	EA	7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.65	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0344	EA	7/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.92	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0345	EA	7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.52	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.78*	
05 05 23 00-0346	EA	7/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.78	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.78*	
05 05 23 00-0347	EA	7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.00	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0348	EA	7/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.12	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0349	EA	7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.25	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0350	EA	7/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.56	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0351	EA	7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.74	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0352	EA	7/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.91	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	

05 05 23 00-0353 1/2" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0354	EA	1/2" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.04	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0355	EA	1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.12	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0356	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.21	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0357	EA	1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.49	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0358	EA	1/2" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.63	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0359	EA	1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.77	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0360	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.04	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.78*	
05 05 23 00-0361	EA	1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.50	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.78*	
05 05 23 00-0362	EA	1/2" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.53	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.78*	
05 05 23 00-0363	EA	1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.99	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0364	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.17	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0365	EA	1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.63	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-1.82*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0366	EA	1/2" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.19	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0367	EA	1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.46	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0368	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.55	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0369	EA	1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.17	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0370	EA	1/2" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.63	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0371	EA	1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.28	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0372	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.52	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	

05 05 23 00-0373 9/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0374	EA	9/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.29	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0375	EA	9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.44	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0376	EA	9/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.58	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0377	EA	9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.87	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0378	EA	9/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.06	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0379	EA	9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.26	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0380	EA	9/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.64	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.78*	
05 05 23 00-0381	EA	9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.46	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.78*	
05 05 23 00-0382	EA	9/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.66	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.78*	
05 05 23 00-0383	EA	9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.04	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0384	EA	9/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.26	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0385	EA	9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.01	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0386	EA	9/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.08	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0387	EA	9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.38	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0388	EA	9/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.90	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0389	EA	9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.53	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0390	EA	9/16" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.72	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0391	EA	9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.90	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0392	EA	9/16" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.37	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0393		5/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*		
05 05 23 00-0394	EA	5/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.15	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0395	EA	5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.20	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0396	EA	5/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.25	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0397	EA	5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.53	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0398	EA	5/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.78	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0399	EA	5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.00	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0400	EA	5/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.38	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0401	EA	5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.81	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0402	EA	5/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.04	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0403	EA	5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.30	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.69*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0404	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.68	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.69*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0405	EA	5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.27	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.69*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0406	EA	5/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.95	
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-1.73*	
		For >500, Deduct	*-2.07*	
05 05 23 00-0407	EA	5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.44	
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-1.73*	
		For >500, Deduct	*-2.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0408	EA	5/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.51	
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-1.73*	
		For >500, Deduct	*-2.07*	
05 05 23 00-0409	EA	5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.54	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0410	EA	5/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.20	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0411	EA	5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.16	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0412	EA	5/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.50	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	

05 05 23 00-0413 3/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0414	EA	3/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.70	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0415	EA	3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.80	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0416	EA	3/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.86	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0417	EA	3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.20	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0418	EA	3/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.45	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0419	EA	3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.83	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0420	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.22	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0421	EA	3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.46	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0422	EA	3/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.97	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0423	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.34	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.69*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0424	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.76	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.69*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0425	EA	3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.28	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.69*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0426	EA	3/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.14	
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-1.73*	
		For >500, Deduct	*-2.07*	
05 05 23 00-0427	EA	3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.68	
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-1.73*	
		For >500, Deduct	*-2.07*	
05 05 23 00-0428	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.98	
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-1.73*	
		For >500, Deduct	*-2.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0429	EA	3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.91	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0430	EA	3/4" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.18	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0431	EA	3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.06	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0432	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.28	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0433		**7/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts** *(05 05 23 00-0285)*		
05 05 23 00-0434	EA	7/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.10	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0435	EA	7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.22	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0436	EA	7/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.39	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0437	EA	7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.70	
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-1.80*	
		For >500, Deduct	*-2.16*	
05 05 23 00-0438	EA	7/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.20	
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-1.80*	
		For >500, Deduct	*-2.16*	
05 05 23 00-0439	EA	7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.53	
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-1.80*	
		For >500, Deduct	*-2.16*	
05 05 23 00-0440	EA	7/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.91	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.83*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0441	EA	7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.50	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.83*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0442	EA	7/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.94	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.83*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0443	EA	7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.29	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.87*	
		For >500, Deduct	*-2.24*	
05 05 23 00-0444	EA	7/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.66	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.87*	
		For >500, Deduct	*-2.24*	
05 05 23 00-0445	EA	7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.23	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.87*	
		For >500, Deduct	*-2.24*	
05 05 23 00-0446	EA	7/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.94	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0447	EA	7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.63	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0448	EA	7/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.67	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0449	EA	7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.81	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0450	EA	7/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.49	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-0451	EA	7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.06	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-0452	EA	7/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.64	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	

05 05 23 00-0453 1" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0454	EA	1" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.20	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0455	EA	1" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.24	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0456	EA	1" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.76	
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-1.80*	
		For >500, Deduct	*-2.16*	
05 05 23 00-0457	EA	1" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.24	
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-1.80*	
		For >500, Deduct	*-2.16*	
05 05 23 00-0458	EA	1" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.59	
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-1.80*	
		For >500, Deduct	*-2.16*	
05 05 23 00-0459	EA	1" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.18	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.83*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0460	EA	1" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.75	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.83*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0461	EA	1" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.56	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.83*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0462	EA	1" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.29	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.87*	
		For >500, Deduct	*-2.24*	
05 05 23 00-0463	EA	1" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.46	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.87*	
		For >500, Deduct	*-2.24*	
05 05 23 00-0464	EA	1" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.60	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.87*	
		For >500, Deduct	*-2.24*	
05 05 23 00-0465	EA	1" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.47	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0466	EA	1" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.69	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0467	EA	1" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.03	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0468	EA	1" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.07	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-0469	EA	1" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.37	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-0470	EA	1" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	23.21	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0471	EA	1" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	23.78	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	

05 05 23 00-0472 Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0097)*

05 05 23 00-0473 1/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0474	EA	1/4" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.04	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0475	EA	1/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.10	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0476	EA	1/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.13	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0477	EA	1/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.19	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0478	EA	1/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.37	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0479	EA	1/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.44	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0480	EA	1/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.50	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0481	EA	1/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.65	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.56*	
05 05 23 00-0482	EA	1/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.84	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.56*	
05 05 23 00-0483	EA	1/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.01	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.56*	
05 05 23 00-0484	EA	1/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.24	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0485	EA	1/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.34	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0486	EA	1/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.46	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0487	EA	1/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.69	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0488	EA	1/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.92	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0489	EA	1/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.03	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	

05 05 23 00-0490 5/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0491	EA	5/16" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.09	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0492	EA	5/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.12	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0493	EA	5/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.24	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0494	EA	5/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.26	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0495	EA	5/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.46	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0496	EA	5/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.63	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0497	EA	5/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.68	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0498	EA	5/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.91	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.56*	
05 05 23 00-0499	EA	5/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.02	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.56*	
05 05 23 00-0500	EA	5/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.26	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.56*	
05 05 23 00-0501	EA	5/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.54	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0502	EA	5/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.63	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0503	EA	5/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.77	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0504	EA	5/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.02	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0505	EA	5/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.13	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0506	EA	5/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.33	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	

05 05 23 00-0507 3/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0508	EA	3/8" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.21	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0509	EA	3/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.22	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0510	EA	3/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.23	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0511	EA	3/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.36	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0512	EA	3/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.58	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0513	EA	3/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.71	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0514	EA	3/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.83	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0515	EA	3/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.34	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.56*	
05 05 23 00-0516	EA	3/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.49	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.56*	
05 05 23 00-0517	EA	3/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.52	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.56*	
05 05 23 00-0518	EA	3/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.72	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0519	EA	3/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.89	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0520	EA	3/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.62	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0521	EA	3/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.94	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0522	EA	3/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.28	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0523	EA	3/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.05	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	

05 05 23 00-0524 7/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0525	EA	7/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.05	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0526	EA	7/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.07	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0527	EA	7/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.27	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0528	EA	7/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.43	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0529	EA	7/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.66	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0530	EA	7/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.79	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0531	EA	7/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.96	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.78*	
05 05 23 00-0532	EA	7/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.47	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.78*	
05 05 23 00-0533	EA	7/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.88	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.78*	
05 05 23 00-0534	EA	7/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.29	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-1.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0535	EA	7/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.43	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0536	EA	7/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.64	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0537	EA	7/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.10	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0538	EA	7/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.78	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0539	EA	7/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.83	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	

05 05 23 00-0540 1/2" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0541	EA	1/2" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.18	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0542	EA	1/2" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.33	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0543	EA	1/2" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.43	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0544	EA	1/2" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.66	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0545	EA	1/2" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.83	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0546	EA	1/2" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.20	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0547	EA	1/2" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.61	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.78*	
05 05 23 00-0548	EA	1/2" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.82	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.78*	
05 05 23 00-0549	EA	1/2" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.98	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.78*	
05 05 23 00-0550	EA	1/2" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.39	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0551	EA	1/2" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.86	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0552	EA	1/2" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.30	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0553	EA	1/2" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.82	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0554	EA	1/2" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.01	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0555	EA	1/2" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.55	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0556	EA	1/2" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.59	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0557	EA	1/2" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.98	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0558	EA	1/2" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.18	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0559	EA	1/2" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.15	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	

05 05 23 00-0560 9/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0561	EA	9/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.32	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0562	EA	9/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.41	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0563	EA	9/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.62	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0564	EA	9/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.07	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0565	EA	9/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.14	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0566	EA	9/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.45	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0567	EA	9/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.80	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.78*	
05 05 23 00-0568	EA	9/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.80	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.78*	
05 05 23 00-0569	EA	9/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.00	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.78*	
05 05 23 00-0570	EA	9/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.29	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0571	EA	9/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.73	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0572	EA	9/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.37	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0573	EA	9/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.44	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0574	EA	9/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.82	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0575	EA	9/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.40	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	

05 05 23 00-0576 5/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0577	EA	5/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.34	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0578	EA	5/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.44	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0579	EA	5/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.67	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0580	EA	5/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.14	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0581	EA	5/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.42	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0582	EA	5/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.57	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0583	EA	5/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.82	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0584	EA	5/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.31	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0585	EA	5/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.53	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0586	EA	5/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.90	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.69*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0587	EA	5/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.14	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.69*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0588	EA	5/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.62	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.69*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0589	EA	5/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.92	
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-1.73*	
		For >500, Deduct	*-2.07*	
05 05 23 00-0590	EA	5/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.47	
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-1.73*	
		For >500, Deduct	*-2.07*	
05 05 23 00-0591	EA	5/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.70	
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-1.73*	
		For >500, Deduct	*-2.07*	
05 05 23 00-0592	EA	5/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.83	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0593	EA	5/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.92	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0594	EA	5/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.00	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0595	EA	5/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.01	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	

05 05 23 00-0596 3/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0597	EA	3/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.86	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0598	EA	3/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.96	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0599	EA	3/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.03	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0600	EA	3/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.31	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0601	EA	3/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.51	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0602	EA	3/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.10	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0603	EA	3/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.49	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0604	EA	3/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.54	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0605	EA	3/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.35	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0606	EA	3/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.78	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.69*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0607	EA	3/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.20	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.69*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0608	EA	3/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.99	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.69*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0609	EA	3/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.09	
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-1.73*	
		For >500, Deduct	*-2.07*	
05 05 23 00-0610	EA	3/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.51	
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-1.73*	
		For >500, Deduct	*-2.07*	
05 05 23 00-0611	EA	3/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.72	
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-1.73*	
		For >500, Deduct	*-2.07*	
05 05 23 00-0612	EA	3/4" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.90	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0613	EA	3/4" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.66	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0614	EA	3/4" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.21	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0615	EA	3/4" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.42	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	

05 05 23 00-0616 7/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0617	EA	7/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.99	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0618	EA	7/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.25	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0619	EA	7/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.78	
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-1.80*	
		For >500, Deduct	*-2.16*	
05 05 23 00-0620	EA	7/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.56	
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-1.80*	
		For >500, Deduct	*-2.16*	
05 05 23 00-0621	EA	7/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.65	
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-1.80*	
		For >500, Deduct	*-2.16*	
05 05 23 00-0622	EA	7/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.96	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.83*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0623	EA	7/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.84	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.83*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0624	EA	7/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.32	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.83*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0625	EA	7/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.58	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.87*	
		For >500, Deduct	*-2.24*	
05 05 23 00-0626	EA	7/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.28	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.87*	
		For >500, Deduct	*-2.24*	
05 05 23 00-0627	EA	7/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.11	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.87*	
		For >500, Deduct	*-2.24*	
05 05 23 00-0628	EA	7/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.85	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0629	EA	7/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.73	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0630	EA	7/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	21.49	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0631	EA	7/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.23	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-0632	EA	7/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.45	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-0633	EA	7/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.64	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-0634	EA	7/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.09	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	

05 05 23 00-0635 1" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0636	EA	1" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.73	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0637	EA	1" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.38	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0638	EA	1" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.82	
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-1.80*	
		For >500, Deduct	*-2.16*	
05 05 23 00-0639	EA	1" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.31	
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-1.80*	
		For >500, Deduct	*-2.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0640	EA	1" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.22	
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-1.80*	
		For >500, Deduct	*-2.16*	
05 05 23 00-0641	EA	1" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.60	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.83*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0642	EA	1" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.39	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.83*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0643	EA	1" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.44	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.83*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0644	EA	1" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.07	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.87*	
		For >500, Deduct	*-2.24*	
05 05 23 00-0645	EA	1" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.51	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.87*	
		For >500, Deduct	*-2.24*	
05 05 23 00-0646	EA	1" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.71	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.87*	
		For >500, Deduct	*-2.24*	
05 05 23 00-0647	EA	1" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	19.19	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0648	EA	1" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	21.67	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0649	EA	1" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.10	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0650	EA	1" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.56	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-0651	EA	1" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	24.28	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-0652	EA	1" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	26.17	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-0653	EA	1" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	27.33	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	

05 05 23 00-0654 Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0097)*

05 05 23 00-0655 1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0656	EA	1/4" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.12	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0657	EA	1/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.13	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0658	EA	1/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.14	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0659	EA	1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.27	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0660	EA	1/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.48	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0661	EA	1/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.56	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0662	EA	1/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.59	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0663	EA	1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.74	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.56*	
05 05 23 00-0664	EA	1/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.83	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.56*	
05 05 23 00-0665	EA	1/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.86	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.56*	
05 05 23 00-0666	EA	1/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.06	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0667	EA	1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.15	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0668	EA	1/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.17	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0669	EA	1/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.40	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0670	EA	1/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.62	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0671	EA	1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.91	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	

05 05 23 00-0672 5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0673	EA	5/16" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.06	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0674	EA	5/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.32	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0675	EA	5/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.34	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0676	EA	5/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.35	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0677	EA	5/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.61	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0678	EA	5/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.85	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0679	EA	5/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.89	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0680	EA	5/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.10	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.56*	
05 05 23 00-0681	EA	5/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.13	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0682	EA	5/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.32	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.56*	
05 05 23 00-0683	EA	5/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.51	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0684	EA	5/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.59	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0685	EA	5/16" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.77	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0686	EA	5/16" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.30	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0687	EA	5/16" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.60	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0688	EA	5/16" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.88	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	

05 05 23 00-0689 3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0690	EA	3/8" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.14	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0691	EA	3/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.20	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0692	EA	3/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.26	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0693	EA	3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.42	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0694	EA	3/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.63	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0695	EA	3/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.76	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0696	EA	3/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.85	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0697	EA	3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.12	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.56*	
05 05 23 00-0698	EA	3/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.19	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.56*	
05 05 23 00-0699	EA	3/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.34	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.56*	
05 05 23 00-0700	EA	3/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.55	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0701	EA	3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.77	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0702	EA	3/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.81	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0703		EA	3/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.97	
			For >100 To 250, Deduct	*-1.10*	
			For >250 To 500, Deduct	*-1.38*	
			For >500, Deduct	*-1.65*	
05 05 23 00-0704		EA	3/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.99	
			For >100 To 250, Deduct	*-1.10*	
			For >250 To 500, Deduct	*-1.38*	
			For >500, Deduct	*-1.65*	
05 05 23 00-0705		EA	3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.25	
			For >100 To 250, Deduct	*-1.10*	
			For >250 To 500, Deduct	*-1.38*	
			For >500, Deduct	*-1.65*	

05 05 23 00-0706 7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0707		EA	7/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.24	
			For >100 To 250, Deduct	*-1.13*	
			For >250 To 500, Deduct	*-1.41*	
			For >500, Deduct	*-1.69*	
05 05 23 00-0708		EA	7/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.52	
			For >100 To 250, Deduct	*-1.13*	
			For >250 To 500, Deduct	*-1.41*	
			For >500, Deduct	*-1.69*	
05 05 23 00-0709		EA	7/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.74	
			For >100 To 250, Deduct	*-1.13*	
			For >250 To 500, Deduct	*-1.41*	
			For >500, Deduct	*-1.69*	
05 05 23 00-0710		EA	7/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.24	
			For >100 To 250, Deduct	*-1.16*	
			For >250 To 500, Deduct	*-1.45*	
			For >500, Deduct	*-1.73*	
05 05 23 00-0711		EA	7/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.26	
			For >100 To 250, Deduct	*-1.16*	
			For >250 To 500, Deduct	*-1.45*	
			For >500, Deduct	*-1.73*	
05 05 23 00-0712		EA	7/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.28	
			For >100 To 250, Deduct	*-1.16*	
			For >250 To 500, Deduct	*-1.45*	
			For >500, Deduct	*-1.73*	
05 05 23 00-0713		EA	7/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.60	
			For >100 To 250, Deduct	*-1.18*	
			For >250 To 500, Deduct	*-1.48*	
			For >500, Deduct	*-1.78*	
05 05 23 00-0714		EA	7/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.80	
			For >100 To 250, Deduct	*-1.18*	
			For >250 To 500, Deduct	*-1.48*	
			For >500, Deduct	*-1.78*	
05 05 23 00-0715		EA	7/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.98	
			For >100 To 250, Deduct	*-1.18*	
			For >250 To 500, Deduct	*-1.48*	
			For >500, Deduct	*-1.78*	
05 05 23 00-0716		EA	7/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.32	
			For >100 To 250, Deduct	*-1.21*	
			For >250 To 500, Deduct	*-1.52*	
			For >500, Deduct	*-1.82*	
05 05 23 00-0717		EA	7/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.54	
			For >100 To 250, Deduct	*-1.21*	
			For >250 To 500, Deduct	*-1.52*	
			For >500, Deduct	*-1.82*	

05 05 23 00-0718 1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0719		EA	1/2" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.11	
			For >100 To 250, Deduct	*-1.13*	
			For >250 To 500, Deduct	*-1.41*	
			For >500, Deduct	*-1.69*	
05 05 23 00-0720		EA	1/2" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.20	
			For >100 To 250, Deduct	*-1.13*	
			For >250 To 500, Deduct	*-1.41*	
			For >500, Deduct	*-1.69*	
05 05 23 00-0721		EA	1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.39	
			For >100 To 250, Deduct	*-1.13*	
			For >250 To 500, Deduct	*-1.41*	
			For >500, Deduct	*-1.69*	
05 05 23 00-0722		EA	1/2" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.74	
			For >100 To 250, Deduct	*-1.16*	
			For >250 To 500, Deduct	*-1.45*	
			For >500, Deduct	*-1.73*	
05 05 23 00-0723		EA	1/2" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.88	
			For >100 To 250, Deduct	*-1.16*	
			For >250 To 500, Deduct	*-1.45*	
			For >500, Deduct	*-1.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0724	EA	1/2" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.14	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0725	EA	1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.33	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.78*	
05 05 23 00-0726	EA	1/2" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.43	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.78*	
05 05 23 00-0727	EA	1/2" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.64	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.78*	
05 05 23 00-0728	EA	1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.88	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0729	EA	1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.11	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0730	EA	1/2" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.13	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0731	EA	1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.32	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0732	EA	1/2" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.38	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0733	EA	1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.56	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0734	EA	1/2" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.54	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0735	EA	1/2" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.68	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0736	EA	1/2" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.71	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0737	EA	1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.79	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	

05 05 23 00-0738 5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0739	EA	5/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.14	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0740	EA	5/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.28	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0741	EA	5/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.38	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0742	EA	5/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.68	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0743	EA	5/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.89	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0744	EA	5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.36	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0745	EA	5/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.57	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0746	EA	5/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.65	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0747	EA	5/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.80	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0748	EA	5/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.12	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.69*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0749	EA	5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.29	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.69*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0750	EA	5/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.77	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.69*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0751	EA	5/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.94	
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-1.73*	
		For >500, Deduct	*-2.07*	
05 05 23 00-0752	EA	5/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.78	
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-1.73*	
		For >500, Deduct	*-2.07*	
05 05 23 00-0753	EA	5/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.02	
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-1.73*	
		For >500, Deduct	*-2.07*	
05 05 23 00-0754	EA	5/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.52	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0755	EA	5/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.92	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0756	EA	5/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.82	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0757	EA	5/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.89	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	

05 05 23 00-0758 3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0759	EA	3/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.82	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0760	EA	3/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.86	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0761	EA	3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.03	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0762	EA	3/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.56	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0763	EA	3/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.21	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0764	EA	3/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.63	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0765	EA	3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.00	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0766	EA	3/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.03	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0767	EA	3/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.12	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0768	EA	3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.32	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.69*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0769	EA	3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.88	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.69*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0770	EA	3/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.11	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.69*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0771	EA	3/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.70	
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-1.73*	
		For >500, Deduct	*-2.07*	
05 05 23 00-0772	EA	3/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.78	
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-1.73*	
		For >500, Deduct	*-2.07*	
05 05 23 00-0773	EA	3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.00	
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-1.73*	
		For >500, Deduct	*-2.07*	
05 05 23 00-0774	EA	3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.48	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0775	EA	3/4" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.72	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0776	EA	3/4" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.85	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0777	EA	3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.92	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	

05 05 23 00-0778 7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0779	EA	7/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.88	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0780	EA	7/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.15	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0781	EA	7/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.45	
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-1.80*	
		For >500, Deduct	*-2.16*	
05 05 23 00-0782	EA	7/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.85	
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-1.80*	
		For >500, Deduct	*-2.16*	
05 05 23 00-0783	EA	7/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.07	
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-1.80*	
		For >500, Deduct	*-2.16*	
05 05 23 00-0784	EA	7/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.47	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.83*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0785	EA	7/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.77	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.83*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0786	EA	7/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.14	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.83*	
		For >500, Deduct	*-2.20*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0787	EA	7/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.55	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.87*	
		For >500, Deduct	*-2.24*	
05 05 23 00-0788	EA	7/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.84	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.87*	
		For >500, Deduct	*-2.24*	
05 05 23 00-0789	EA	7/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.15	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.87*	
		For >500, Deduct	*-2.24*	
05 05 23 00-0790	EA	7/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.62	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0791	EA	7/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.16	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0792	EA	7/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.29	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0793	EA	7/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.57	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-0794	EA	7/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.87	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-0795	EA	7/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	18.25	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-0796	EA	7/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	18.60	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	

05 05 23 00-0797 1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0798	EA	1" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.76	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0799	EA	1" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.00	
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-1.80*	
		For >500, Deduct	*-2.16*	
05 05 23 00-0800	EA	1" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.50	
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-1.80*	
		For >500, Deduct	*-2.16*	
05 05 23 00-0801	EA	1" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.90	
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-1.80*	
		For >500, Deduct	*-2.16*	
05 05 23 00-0802	EA	1" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.95	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.83*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0803	EA	1" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.15	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.83*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0804	EA	1" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.73	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.83*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0805	EA	1" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.93	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.87*	
		For >500, Deduct	*-2.24*	
05 05 23 00-0806	EA	1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.15	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.87*	
		For >500, Deduct	*-2.24*	
05 05 23 00-0807	EA	1" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.14	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.87*	
		For >500, Deduct	*-2.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0808	EA	1" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.65	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0809	EA	1" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	18.49	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0810	EA	1" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.31	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0811	EA	1" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.70	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-0812	EA	1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	20.37	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-0813	EA	1" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	20.87	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-0814	EA	1" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	21.63	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	

05 05 23 00-0815 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0097)*

05 05 23 00-0816 1/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0817	EA	1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.07	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0818	EA	1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.12	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0819	EA	1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.19	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0820	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.26	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0821	EA	1/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.48	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0822	EA	1/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.59	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0823	EA	1/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.72	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0824	EA	1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.95	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.56*	
05 05 23 00-0825	EA	1/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.11	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.56*	
05 05 23 00-0826	EA	1/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.25	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.56*	
05 05 23 00-0827	EA	1/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.51	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0828	EA	1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.75	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0829	EA	1/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.63	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0830	EA	1/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.18	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0831	EA	1/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.31	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0832	EA	1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.64	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	

05 05 23 00-0833 5/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0834	EA	5/16" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.17	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0835	EA	5/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.22	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0836	EA	5/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.32	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0837	EA	5/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.40	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0838	EA	5/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.69	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0839	EA	5/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.75	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0840	EA	5/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.01	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0841	EA	5/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.34	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.56*	
05 05 23 00-0842	EA	5/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.64	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.56*	
05 05 23 00-0843	EA	5/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.79	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.56*	
05 05 23 00-0844	EA	5/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.39	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0845	EA	5/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.14	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0846	EA	5/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.85	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0847	EA	5/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.77	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	

05 05 23 00-0848 3/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0849	EA	3/8" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.30	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0850	EA	3/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.36	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0851	EA	3/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.52	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0852	EA	3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.73	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0853	EA	3/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.97	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0854	EA	3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.13	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0855	EA	3/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.35	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0856	EA	3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.69	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.56*	
05 05 23 00-0857	EA	3/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.94	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.56*	
05 05 23 00-0858	EA	3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.51	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.56*	
05 05 23 00-0859	EA	3/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.71	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0860	EA	3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.18	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0861	EA	3/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.17	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-0862	EA	3/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.55	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0863	EA	3/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.69	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-0864	EA	3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.68	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	

05 05 23 00-0865 7/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0866	EA	7/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.53	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0867	EA	7/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.60	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0868	EA	7/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.86	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0869	EA	7/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.16	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0870	EA	7/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.48	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0871	EA	7/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.00	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0872	EA	7/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.38	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.78*	
05 05 23 00-0873	EA	7/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.00	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.78*	
05 05 23 00-0874	EA	7/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.26	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.78*	
05 05 23 00-0875	EA	7/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.24	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0876	EA	7/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.18	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0877	EA	7/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.31	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0878	EA	7/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.56	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	

05 05 23 00-0879 1/2" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0880	EA	1/2" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.52	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0881	EA	1/2" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.60	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0882	EA	1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.01	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0883	EA	1/2" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.32	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0884	EA	1/2" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.69	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0885	EA	1/2" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.90	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0886	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.28	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.78*	
05 05 23 00-0887	EA	1/2" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.46	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.78*	
05 05 23 00-0888	EA	1/2" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.44	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.78*	
05 05 23 00-0889	EA	1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.86	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0890	EA	1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.30	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0891	EA	1/2" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.80	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0892	EA	1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.68	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0893	EA	1/2" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.98	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0894	EA	1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.46	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-0895	EA	1/2" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.90	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0896	EA	1/2" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.09	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0897	EA	1/2" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.40	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0898	EA	1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.70	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	

05 05 23 00-0899 9/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0900	EA	9/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.68	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0901	EA	9/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.54	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0902	EA	9/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.04	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-0903	EA	9/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.48	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0904	EA	9/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.01	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0905	EA	9/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.94	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-0906	EA	9/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.45	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.78*	
05 05 23 00-0907	EA	9/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.66	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.78*	
05 05 23 00-0908	EA	9/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.62	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.78*	
05 05 23 00-0909	EA	9/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.68	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-1.82*	
05 05 23 00-0910	EA	9/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.74	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-1.82*	

05 05 23 00-0911 5/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0912	EA	5/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.95	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0913	EA	5/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.15	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0914	EA	5/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.96	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0915	EA	5/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.24	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0916	EA	5/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.63	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0917	EA	5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.18	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0918	EA	5/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.02	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0919	EA	5/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.03	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0920	EA	5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.65	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0921	EA	5/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.14	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.69*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0922	EA	5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.71	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.69*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0923	EA	5/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.76	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.69*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0924	EA	5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.03	
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-1.73*	
		For >500, Deduct	*-2.07*	
05 05 23 00-0925	EA	5/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.96	
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-1.73*	
		For >500, Deduct	*-2.07*	
05 05 23 00-0926	EA	5/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.38	
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-1.73*	
		For >500, Deduct	*-2.07*	
05 05 23 00-0927	EA	5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.24	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0928	EA	5/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.78	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0929	EA	5/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.23	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0930	EA	5/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.23	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	

05 05 23 00-0931 3/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0932	EA	3/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.84	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0933	EA	3/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.23	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-0934	EA	3/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.73	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0935	EA	3/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.42	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0936	EA	3/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.97	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0937	EA	3/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.91	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-0938	EA	3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.60	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0939	EA	3/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.48	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0940	EA	3/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.17	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-0941	EA	3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.03	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.69*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0942	EA	3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.84	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.69*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0943	EA	3/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.36	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.69*	
		For >500, Deduct	*-2.03*	
05 05 23 00-0944	EA	3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.55	
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-1.73*	
		For >500, Deduct	*-2.07*	
05 05 23 00-0945	EA	3/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.84	
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-1.73*	
		For >500, Deduct	*-2.07*	
05 05 23 00-0946	EA	3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.60	
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-1.73*	
		For >500, Deduct	*-2.07*	
05 05 23 00-0947	EA	3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.86	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0948	EA	3/4" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.30	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0949	EA	3/4" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.48	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0950	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.38	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	

05 05 23 00-0951 7/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0952	EA	7/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.94	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0953	EA	7/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.90	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0954	EA	7/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.77	
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-1.80*	
		For >500, Deduct	*-2.16*	
05 05 23 00-0955	EA	7/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.74	
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-1.80*	
		For >500, Deduct	*-2.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0956	EA	7/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.06	
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-1.80*	
		For >500, Deduct	*-2.16*	
05 05 23 00-0957	EA	7/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.99	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.83*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0958	EA	7/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.30	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.83*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0959	EA	7/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.41	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.83*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0960	EA	7/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.86	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.87*	
		For >500, Deduct	*-2.24*	
05 05 23 00-0961	EA	7/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.67	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.87*	
		For >500, Deduct	*-2.24*	
05 05 23 00-0962	EA	7/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.13	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.87*	
		For >500, Deduct	*-2.24*	
05 05 23 00-0963	EA	7/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.99	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0964	EA	7/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.99	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0965	EA	7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	29.60	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0966	EA	7/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	34.64	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-0967	EA	7/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	38.56	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-0968	EA	7/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	40.37	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-0969	EA	7/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	42.18	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	

05 05 23 00-0970 1" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0971	EA	1" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.26	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0972	EA	1" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.95	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-0973	EA	1" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.14	
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-1.80*	
		For >500, Deduct	*-2.16*	
05 05 23 00-0974	EA	1" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.01	
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-1.80*	
		For >500, Deduct	*-2.16*	
05 05 23 00-0975	EA	1" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.45	
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-1.80*	
		For >500, Deduct	*-2.16*	
05 05 23 00-0976	EA	1" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.21	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.83*	
		For >500, Deduct	*-2.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0977	EA	1" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.22	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.83*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0978	EA	1" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.71	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.83*	
		For >500, Deduct	*-2.20*	
05 05 23 00-0979	EA	1" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.24	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.87*	
		For >500, Deduct	*-2.24*	
05 05 23 00-0980	EA	1" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.32	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.87*	
		For >500, Deduct	*-2.24*	
05 05 23 00-0981	EA	1" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.31	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.87*	
		For >500, Deduct	*-2.24*	
05 05 23 00-0982	EA	1" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.49	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0983	EA	1" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	34.23	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0984	EA	1" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	34.99	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-0985	EA	1" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	36.63	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-0986	EA	1" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	38.93	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-0987	EA	1" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	49.37	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-0988	EA	1" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	61.55	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	

05 05 23 00-0989 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0097)*

05 05 23 00-0990 1/4" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-0991	EA	1/4" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt	5.17	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0992	EA	1/4" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	5.28	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0993	EA	1/4" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	5.36	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0994	EA	1/4" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	5.42	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-0995	EA	1/4" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	5.71	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0996	EA	1/4" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	5.86	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0997	EA	1/4" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.00	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-0998	EA	1/4" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	6.25	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0999	EA	1/4" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.37	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.56*	
05 05 23 00-1000	EA	1/4" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	6.43	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.56*	
05 05 23 00-1001	EA	1/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.93	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-1002	EA	1/4" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	7.03	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-1003	EA	1/4" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.69	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-1004	EA	1/4" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	15.27	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-1005	EA	1/4" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	25.04	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-1006	EA	1/4" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	27.26	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	

05 05 23 00-1007 5/16" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1008	EA	5/16" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt	5.32	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-1009	EA	5/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	5.45	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-1010	EA	5/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	5.66	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-1011	EA	5/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	5.81	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-1012	EA	5/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.02	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-1013	EA	5/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	6.35	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-1014	EA	5/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.57	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-1015	EA	5/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	6.81	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.56*	
05 05 23 00-1016	EA	5/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.29	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.56*	
05 05 23 00-1017	EA	5/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	7.39	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.56*	
05 05 23 00-1018	EA	5/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.86	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-1019	EA	5/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	8.24	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1020	EA	5/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.35	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-1021	EA	5/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	15.92	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	

05 05 23 00-1022 3/8" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1023	EA	3/8" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt	5.65	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-1024	EA	3/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	5.70	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-1025	EA	3/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	5.90	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-1026	EA	3/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	6.36	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.48*	
05 05 23 00-1027	EA	3/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.67	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-1028	EA	3/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	6.75	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-1029	EA	3/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.15	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.52*	
05 05 23 00-1030	EA	3/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	7.35	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.56*	
05 05 23 00-1031	EA	3/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.61	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.56*	
05 05 23 00-1032	EA	3/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	7.78	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.56*	
05 05 23 00-1033	EA	3/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.49	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-1034	EA	3/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	9.17	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-1035	EA	3/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.20	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.61*	
05 05 23 00-1036	EA	3/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	11.08	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-1037	EA	3/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.90	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	
05 05 23 00-1038	EA	3/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	16.94	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-1.65*	

05 05 23 00-1039 7/16" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1040	EA	7/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	7.14	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1041	EA	7/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.43	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-1042	EA	7/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	7.98	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-1043	EA	7/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.59	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-1044	EA	7/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	9.12	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-1045	EA	7/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.98	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-1046	EA	7/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	10.94	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.78*	
05 05 23 00-1047	EA	7/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.10	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.78*	
05 05 23 00-1048	EA	7/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	11.41	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.78*	
05 05 23 00-1049	EA	7/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.76	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-1.82*	
05 05 23 00-1050	EA	7/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	11.98	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-1.82*	
05 05 23 00-1051	EA	7/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.21	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-1.82*	
05 05 23 00-1052	EA	7/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	12.53	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	

05 05 23 00-1053 1/2" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1054	EA	1/2" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	7.12	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-1055	EA	1/2" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.44	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-1056	EA	1/2" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	7.88	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-1057	EA	1/2" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.55	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-1058	EA	1/2" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	9.04	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-1059	EA	1/2" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.16	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-1060	EA	1/2" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	9.50	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.78*	
05 05 23 00-1061	EA	1/2" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.44	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1062	EA	1/2" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	12.34	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.78*	
05 05 23 00-1063	EA	1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.62	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-1.82*	
05 05 23 00-1064	EA	1/2" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	12.92	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-1.82*	
05 05 23 00-1065	EA	1/2" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.28	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-1.82*	
05 05 23 00-1066	EA	1/2" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	16.99	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-1067	EA	1/2" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	18.01	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-1068	EA	1/2" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	19.70	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-1.86*	
05 05 23 00-1069	EA	1/2" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	24.30	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-1070	EA	1/2" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	27.18	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-1071	EA	1/2" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	27.66	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-1072	EA	1/2" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	28.39	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	

05 05 23 00-1073 9/16" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1074	EA	9/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	15.02	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-1075	EA	9/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	16.05	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-1076	EA	9/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	19.52	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.69*	
05 05 23 00-1077	EA	9/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	21.60	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-1078	EA	9/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	23.64	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-1079	EA	9/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	25.69	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.73*	
05 05 23 00-1080	EA	9/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	27.11	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.78*	
05 05 23 00-1081	EA	9/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	28.80	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.78*	
05 05 23 00-1082	EA	9/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	30.30	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 500, Deduct	*-1.48*	
		For >500, Deduct	*-1.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1083	EA	9/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	30.88	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-1.82*	
05 05 23 00-1084	EA	9/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	32.20	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-1.82*	

05 05 23 00-1085 5/8" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1086	EA	5/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	9.43	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-1087	EA	5/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.52	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-1088	EA	5/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	9.55	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-1089	EA	5/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.28	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-1090	EA	5/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	10.89	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-1091	EA	5/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.82	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-1092	EA	5/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	13.36	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-1093	EA	5/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.05	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-1094	EA	5/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	15.64	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-1095	EA	5/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	16.88	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.69*	
		For >500, Deduct	*-2.03*	
05 05 23 00-1096	EA	5/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	17.36	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.69*	
		For >500, Deduct	*-2.03*	
05 05 23 00-1097	EA	5/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	20.32	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.69*	
		For >500, Deduct	*-2.03*	
05 05 23 00-1098	EA	5/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	21.52	
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-1.73*	
		For >500, Deduct	*-2.07*	
05 05 23 00-1099	EA	5/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	21.90	
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-1.73*	
		For >500, Deduct	*-2.07*	
05 05 23 00-1100	EA	5/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	23.28	
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-1.73*	
		For >500, Deduct	*-2.07*	
05 05 23 00-1101	EA	5/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	24.66	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-1102	EA	5/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	25.84	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-1103	EA	5/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	31.42	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1104	EA	5/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	37.38	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	

05 05 23 00-1105 3/4" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1106	EA	3/4" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	11.78	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-1107	EA	3/4" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.99	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-1108	EA	3/4" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	12.79	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-1.90*	
05 05 23 00-1109	EA	3/4" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.64	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-1110	EA	3/4" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	15.14	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-1111	EA	3/4" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	16.00	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-1.94*	
05 05 23 00-1112	EA	3/4" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	18.00	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-1113	EA	3/4" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	18.76	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-1114	EA	3/4" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	19.18	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-1.99*	
05 05 23 00-1115	EA	3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	19.88	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.69*	
		For >500, Deduct	*-2.03*	
05 05 23 00-1116	EA	3/4" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	20.84	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.69*	
		For >500, Deduct	*-2.03*	
05 05 23 00-1117	EA	3/4" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	23.80	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.69*	
		For >500, Deduct	*-2.03*	
05 05 23 00-1118	EA	3/4" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	28.22	
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-1.73*	
		For >500, Deduct	*-2.07*	
05 05 23 00-1119	EA	3/4" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	31.54	
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-1.73*	
		For >500, Deduct	*-2.07*	
05 05 23 00-1120	EA	3/4" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	32.05	
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-1.73*	
		For >500, Deduct	*-2.07*	
05 05 23 00-1121	EA	3/4" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	34.19	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-1122	EA	3/4" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	39.24	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-1123	EA	3/4" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	39.66	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-1124	EA	3/4" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	40.73	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

05 05 23 00-1125 7/8" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1126	EA	7/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.24	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-1127	EA	7/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	14.63	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-1128	EA	7/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.54	
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-1.80*	
		For >500, Deduct	*-2.16*	
05 05 23 00-1129	EA	7/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	17.48	
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-1.80*	
		For >500, Deduct	*-2.16*	
05 05 23 00-1130	EA	7/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	18.35	
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-1.80*	
		For >500, Deduct	*-2.16*	
05 05 23 00-1131	EA	7/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	19.25	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.83*	
		For >500, Deduct	*-2.20*	
05 05 23 00-1132	EA	7/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	20.43	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.83*	
		For >500, Deduct	*-2.20*	
05 05 23 00-1133	EA	7/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	23.08	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.83*	
		For >500, Deduct	*-2.20*	
05 05 23 00-1134	EA	7/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	23.29	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.87*	
		For >500, Deduct	*-2.24*	
05 05 23 00-1135	EA	7/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	24.17	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.87*	
		For >500, Deduct	*-2.24*	
05 05 23 00-1136	EA	7/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	31.57	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.87*	
		For >500, Deduct	*-2.24*	
05 05 23 00-1137	EA	7/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	34.99	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-1138	EA	7/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	38.50	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-1139	EA	7/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	40.23	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-1140	EA	7/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	42.63	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-1141	EA	7/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	44.13	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-1142	EA	7/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	45.63	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-1143	EA	7/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	47.31	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	

05 05 23 00-1144 1" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1145	EA	1" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	16.30	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.11*	
05 05 23 00-1146	EA	1" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	18.58	
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-1.80*	
		For >500, Deduct	*-2.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1147	EA	1" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	20.01	
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-1.80*	
		For >500, Deduct	*-2.16*	
05 05 23 00-1148	EA	1" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	22.30	
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-1.80*	
		For >500, Deduct	*-2.16*	
05 05 23 00-1149	EA	1" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	23.26	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.83*	
		For >500, Deduct	*-2.20*	
05 05 23 00-1150	EA	1" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	24.81	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.83*	
		For >500, Deduct	*-2.20*	
05 05 23 00-1151	EA	1" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	26.38	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-1.83*	
		For >500, Deduct	*-2.20*	
05 05 23 00-1152	EA	1" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	28.09	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.87*	
		For >500, Deduct	*-2.24*	
05 05 23 00-1153	EA	1" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	32.15	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.87*	
		For >500, Deduct	*-2.24*	
05 05 23 00-1154	EA	1" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	36.13	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-1.87*	
		For >500, Deduct	*-2.24*	
05 05 23 00-1155	EA	1" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	41.73	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-1156	EA	1" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	46.33	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-1157	EA	1" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	46.99	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.28*	
05 05 23 00-1158	EA	1" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	48.63	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-1159	EA	1" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	49.25	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-1160	EA	1" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	56.87	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	
05 05 23 00-1161	EA	1" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	64.23	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.33*	

05 05 23 00-1162 Screws *(05 05 23)*

05 05 23 00-1163 Teks® 5 Self Drilling Screws *(05 05 23 00-1162)*

Note: Screws include Climaseal® finish, self-drill point and tapping threads.

05 05 23 00-1164	EA	12-24 x 1-1/4", Hex Washer Head, Teks® 5 Self Drilling Screw	2.61	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.24*	
		For >100, Deduct	*-0.48*	
05 05 23 00-1165	EA	12-24 x 1-1/2", Hex Washer Head, Teks® 5 Self Drilling Screw	2.70	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.24*	
		For >100, Deduct	*-0.49*	
05 05 23 00-1166	EA	12-24 x 2", Hex Washer Head, Teks® 5 Self Drilling Screw	3.00	
		For >10 To 50, Deduct	*-0.13*	
		For >50 To 100, Deduct	*-0.26*	
		For >100, Deduct	*-0.53*	
05 05 23 00-1167	EA	1/4"-28 x 3", Hex Washer Head, Teks® 5 Self Drilling Screw	4.06	
		For >10 To 50, Deduct	*-0.16*	
		For >50 To 100, Deduct	*-0.34*	
		For >100, Deduct	*-0.67*	
05 05 23 00-1168	EA	1/4"-28 x 4", Hex Washer Head, Teks® 5 Self Drilling Screw	4.32	
		For >10 To 50, Deduct	*-0.16*	
		For >50 To 100, Deduct	*-0.35*	
		For >100, Deduct	*-0.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1169	EA	1/4"-28 x 6", Hex Washer Head, Teks® 5 Self Drilling Screw	5.22	
		For >10 To 50, Deduct	*-0.17*	
		For >50 To 100, Deduct	*-0.39*	
		For >100, Deduct	*-0.78*	
05 05 23 00-1170	EA	1/4"-28 x 8", Hex Washer Head, Teks® 5 Self Drilling Screw	5.80	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.42*	
		For >100, Deduct	*-0.83*	

05 05 23 00-1171 Security Screws *(05 05 23 00-1162)*

05 05 23 00-1172 304/18-8 Stainless Steel, Security Screws *(05 05 23 00-1171)*

Note: Includes "security" style drive in machine or sheet metal screw threads.

05 05 23 00-1173	EA	#4 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screws	2.06	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.20*	
		For >100, Deduct	*-0.40*	
05 05 23 00-1174	EA	#6 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	2.28	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.21*	
		For >100, Deduct	*-0.41*	
05 05 23 00-1175	EA	#6 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	2.46	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.21*	
		For >100, Deduct	*-0.42*	
05 05 23 00-1176	EA	#6 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	2.52	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.21*	
		For >100, Deduct	*-0.42*	
05 05 23 00-1177	EA	#6 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	2.64	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.21*	
		For >100, Deduct	*-0.43*	
05 05 23 00-1178	EA	#8 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	2.32	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.21*	
		For >100, Deduct	*-0.41*	
05 05 23 00-1179	EA	#8 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	2.41	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.21*	
		For >100, Deduct	*-0.42*	
05 05 23 00-1180	EA	#8 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	2.60	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.21*	
		For >100, Deduct	*-0.43*	
05 05 23 00-1181	EA	#8 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	2.65	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.21*	
		For >100, Deduct	*-0.43*	
05 05 23 00-1182	EA	#10 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	2.38	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.21*	
		For >100, Deduct	*-0.42*	
05 05 23 00-1183	EA	#10 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	2.40	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.21*	
		For >100, Deduct	*-0.42*	
05 05 23 00-1184	EA	#10 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	2.48	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.21*	
		For >100, Deduct	*-0.42*	
05 05 23 00-1185	EA	#10 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	2.73	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.22*	
		For >100, Deduct	*-0.43*	
05 05 23 00-1186	EA	1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	2.52	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.21*	
		For >100, Deduct	*-0.42*	
05 05 23 00-1187	EA	1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	2.58	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.21*	
		For >100, Deduct	*-0.43*	
05 05 23 00-1188	EA	1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	2.82	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.22*	
		For >100, Deduct	*-0.44*	
05 05 23 00-1189	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	3.20	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.23*	
		For >100, Deduct	*-0.46*	

05 05 23 00-1190 Threaded Rod *(05 05 23)*

Note: Fully threaded. See CSI section 05 05 19 00-0169 for anchoring adhesive, 05 05 23 00-1283 for nuts and

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
		washers.		
05 05 23 00-1191		**Plain Finish Steel, Low Carbon Threaded Rod** *(05 05 23 00-1190)*		
05 05 23 00-1192	LF	1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	1.58	0.42
		For Left Hand Threaded Rod, Add	*0.07*	
05 05 23 00-1193	LF	5/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.04	0.47
		For Left Hand Threaded Rod, Add	*0.11*	
05 05 23 00-1194	LF	3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.36	0.53
		For Left Hand Threaded Rod, Add	*0.13*	
05 05 23 00-1195	LF	7/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.11	0.55
		For Left Hand Threaded Rod, Add	*0.20*	
05 05 23 00-1196	LF	1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.19	0.57
		For Left Hand Threaded Rod, Add	*0.21*	
05 05 23 00-1197	LF	9/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.90	0.57
		For Left Hand Threaded Rod, Add	*0.27*	
05 05 23 00-1198	LF	5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.36	0.58
		For Left Hand Threaded Rod, Add	*0.32*	
05 05 23 00-1199	LF	3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	6.99	0.60
		For Left Hand Threaded Rod, Add	*0.58*	
05 05 23 00-1200	LF	7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.60	0.62
		For Left Hand Threaded Rod, Add	*0.64*	
05 05 23 00-1201	LF	1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	10.34	0.70
		For Left Hand Threaded Rod, Add	*0.89*	
05 05 23 00-1202	LF	1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	12.83	0.79
		For Left Hand Threaded Rod, Add	*1.13*	
05 05 23 00-1203	LF	1-1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	16.94	0.86
		For Left Hand Threaded Rod, Add	*1.52*	
05 05 23 00-1204	LF	1-3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	21.00	0.93
		For Left Hand Threaded Rod, Add	*1.92*	
05 05 23 00-1205	LF	1-1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	25.05	0.97
		For Left Hand Threaded Rod, Add	*2.31*	
05 05 23 00-1206	LF	1-3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	30.65	1.02
		For Left Hand Threaded Rod, Add	*2.86*	
05 05 23 00-1207	LF	2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	39.06	1.07
		For Left Hand Threaded Rod, Add	*3.69*	
05 05 23 00-1208		**Zinc Plated Steel, Low Carbon Threaded Rod** *(05 05 23 00-1190)*		
05 05 23 00-1209	LF	1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	1.60	0.42
		For Left Hand Threaded Rod, Add	*0.07*	
05 05 23 00-1210	LF	5/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	2.28	0.47
		For Left Hand Threaded Rod, Add	*0.13*	
05 05 23 00-1211	LF	3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	2.54	0.53
		For Left Hand Threaded Rod, Add	*0.15*	
05 05 23 00-1212	LF	7/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	3.56	0.55
		For Left Hand Threaded Rod, Add	*0.25*	
05 05 23 00-1213	LF	1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	3.83	0.57
		For Left Hand Threaded Rod, Add	*0.27*	
05 05 23 00-1214	LF	9/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	4.94	0.57
		For Left Hand Threaded Rod, Add	*0.38*	
05 05 23 00-1215	LF	5/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	5.23	0.58
		For Left Hand Threaded Rod, Add	*0.41*	
05 05 23 00-1216	LF	3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	7.74	0.60
		For Left Hand Threaded Rod, Add	*0.65*	
05 05 23 00-1217	LF	7/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	9.94	0.62
		For Left Hand Threaded Rod, Add	*0.87*	
05 05 23 00-1218	LF	1" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	13.29	0.70
		For Left Hand Threaded Rod, Add	*1.19*	
05 05 23 00-1219	LF	1-1/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	17.10	0.79
		For Left Hand Threaded Rod, Add	*1.55*	
05 05 23 00-1220	LF	1-1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	20.38	0.86
		For Left Hand Threaded Rod, Add	*1.86*	
05 05 23 00-1221	LF	1-3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	23.13	0.93
		For Left Hand Threaded Rod, Add	*2.13*	
05 05 23 00-1222	LF	1-1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	29.04	0.97
		For Left Hand Threaded Rod, Add	*2.71*	
05 05 23 00-1223	LF	1-3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	35.90	1.02
		For Left Hand Threaded Rod, Add	*3.39*	
05 05 23 00-1224	LF	2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	52.21	1.07
		For Left Hand Threaded Rod, Add	*5.01*	
05 05 23 00-1225		**Hot Dipped Galvanized Steel, Low Carbon Threaded Rod** *(05 05 23 00-1190)*		
05 05 23 00-1226	LF	3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	4.03	0.53
		For Left Hand Threaded Rod, Add	*0.30*	
05 05 23 00-1227	LF	1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	5.57	0.57
		For Left Hand Threaded Rod, Add	*0.44*	
05 05 23 00-1228	LF	5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	7.43	0.58
		For Left Hand Threaded Rod, Add	*0.63*	
05 05 23 00-1229	LF	3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	10.11	0.60
		For Left Hand Threaded Rod, Add	*0.89*	
05 05 23 00-1230	LF	7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	13.90	0.62
		For Left Hand Threaded Rod, Add	*1.27*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1231	LF	1" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	17.89	0.70
		For Left Hand Threaded Rod, Add	*1.65*	
05 05 23 00-1232	LF	1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	23.47	0.79
		For Left Hand Threaded Rod, Add	*2.19*	
05 05 23 00-1233	LF	1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	30.79	0.86
		For Left Hand Threaded Rod, Add	*2.90*	
05 05 23 00-1234	LF	1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	34.39	0.93
		For Left Hand Threaded Rod, Add	*3.25*	
05 05 23 00-1235	LF	1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	40.87	0.97
		For Left Hand Threaded Rod, Add	*3.89*	
05 05 23 00-1236	LF	1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	49.59	1.02
		For Left Hand Threaded Rod, Add	*4.76*	
05 05 23 00-1237	LF	2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	86.26	1.07
		For Left Hand Threaded Rod, Add	*8.41*	

05 05 23 00-1238 304/18-8 Stainless Steel Threaded Rod *(05 05 23 00-1190)*

05 05 23 00-1239	LF	1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	1.99	0.42
		For Left Hand Threaded Rod, Add	*0.11*	
05 05 23 00-1240	LF	5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	2.88	0.47
		For Left Hand Threaded Rod, Add	*0.19*	
05 05 23 00-1241	LF	3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	3.65	0.53
		For Left Hand Threaded Rod, Add	*0.26*	
05 05 23 00-1242	LF	7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	4.94	0.55
		For Left Hand Threaded Rod, Add	*0.38*	
05 05 23 00-1243	LF	1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod	5.88	0.57
		For Left Hand Threaded Rod, Add	*0.47*	
05 05 23 00-1244	LF	9/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	8.29	0.57
		For Left Hand Threaded Rod, Add	*0.71*	
05 05 23 00-1245	LF	5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	8.64	0.58
		For Left Hand Threaded Rod, Add	*0.75*	
05 05 23 00-1246	LF	3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	11.95	0.60
		For Left Hand Threaded Rod, Add	*1.07*	
05 05 23 00-1247	LF	7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	16.30	0.62
		For Left Hand Threaded Rod, Add	*1.51*	
05 05 23 00-1248	LF	1" Diameter, 304/18-8 Stainless Steel Threaded Rod	20.85	0.70
		For Left Hand Threaded Rod, Add	*1.94*	
05 05 23 00-1249	LF	1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	43.72	0.86
		For Left Hand Threaded Rod, Add	*4.20*	
05 05 23 00-1250	LF	1-1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod	66.32	0.97
		For Left Hand Threaded Rod, Add	*6.44*	
05 05 23 00-1251	LF	1-3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	68.23	1.02
		For Left Hand Threaded Rod, Add	*6.62*	
05 05 23 00-1252	LF	2" Diameter, 304/18-8 Stainless Steel Threaded Rod	94.19	1.07
		For Left Hand Threaded Rod, Add	*9.21*	

05 05 23 00-1253 316 Stainless Steel Threaded Rod *(05 05 23 00-1190)*

05 05 23 00-1254	LF	1/4" Diameter, 316 Stainless Steel Threaded Rod	2.76	0.42
		For Left Hand Threaded Rod, Add	*0.19*	
05 05 23 00-1255	LF	5/16" Diameter, 316 Stainless Steel Threaded Rod	4.29	0.47
		For Left Hand Threaded Rod, Add	*0.34*	
05 05 23 00-1256	LF	3/8" Diameter, 316 Stainless Steel Threaded Rod	5.63	0.53
		For Left Hand Threaded Rod, Add	*0.46*	
05 05 23 00-1257	LF	7/16" Diameter, 316 Stainless Steel Threaded Rod	8.60	0.55
		For Left Hand Threaded Rod, Add	*0.75*	
05 05 23 00-1258	LF	1/2" Diameter, 316 Stainless Steel Threaded Rod	9.12	0.57
		For Left Hand Threaded Rod, Add	*0.80*	
05 05 23 00-1259	LF	9/16" Diameter, 316 Stainless Steel Threaded Rod	11.85	0.57
		For Left Hand Threaded Rod, Add	*1.07*	
05 05 23 00-1260	LF	5/8" Diameter, 316 Stainless Steel Threaded Rod	12.73	0.58
		For Left Hand Threaded Rod, Add	*1.16*	
05 05 23 00-1261	LF	3/4" Diameter, 316 Stainless Steel Threaded Rod	18.38	0.60
		For Left Hand Threaded Rod, Add	*1.72*	
05 05 23 00-1262	LF	7/8" Diameter, 316 Stainless Steel Threaded Rod	25.03	0.62
		For Left Hand Threaded Rod, Add	*2.38*	
05 05 23 00-1263	LF	1" Diameter, 316 Stainless Steel Threaded Rod	31.62	0.70
		For Left Hand Threaded Rod, Add	*3.02*	
05 05 23 00-1264	LF	1-1/4" Diameter, 316 Stainless Steel Threaded Rod	66.35	0.86
		For Left Hand Threaded Rod, Add	*6.46*	
05 05 23 00-1265	LF	1-1/2" Diameter, 316 Stainless Steel Threaded Rod	86.84	0.97
		For Left Hand Threaded Rod, Add	*8.49*	

05 05 23 00-1266 Plain Finish Steel, B-7 Alloy Threaded Rod *(05 05 23 00-1190)*

05 05 23 00-1267	LF	1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	2.61	0.42
		For Zinc Plating, Add	*0.88*	
05 05 23 00-1268	LF	5/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	3.93	0.47
		For Zinc Plating, Add	*1.50*	
05 05 23 00-1269	LF	3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	4.14	0.53
		For Zinc Plating, Add	*1.54*	
05 05 23 00-1270	LF	7/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	4.50	0.55
		For Zinc Plating, Add	*1.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1271	LF	1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	4.95	0.57
		For Zinc Plating, Add	*1.91*	
05 05 23 00-1272	LF	9/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	6.12	0.57
		For Zinc Plating, Add	*2.48*	
05 05 23 00-1273	LF	5/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	6.32	0.58
		For Zinc Plating, Add	*2.57*	
05 05 23 00-1274	LF	3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	8.31	0.60
		For Zinc Plating, Add	*3.55*	
05 05 23 00-1275	LF	7/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	9.92	0.62
		For Zinc Plating, Add	*4.34*	
05 05 23 00-1276	LF	1" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	12.83	0.70
		For Zinc Plating, Add	*5.71*	
05 05 23 00-1277	LF	1-1/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	16.65	0.79
		For Zinc Plating, Add	*7.54*	
05 05 23 00-1278	LF	1-1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	18.53	0.86
		For Zinc Plating, Add	*8.38*	
05 05 23 00-1279	LF	1-3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	21.35	0.93
		For Zinc Plating, Add	*9.75*	
05 05 23 00-1280	LF	1-1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	25.89	0.97
		For Zinc Plating, Add	*11.98*	
05 05 23 00-1281	LF	1-3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	26.77	1.02
		For Zinc Plating, Add	*12.38*	
05 05 23 00-1282	LF	2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	35.83	1.07
		For Zinc Plating, Add	*16.85*	

05 05 23 00-1283 Nuts And Washers *(05 05 23)*

05 05 23 00-1284 Hex Nuts *(05 05 23 00-1283)*

05 05 23 00-1285 Zinc Plated Steel, Low Carbon/Grade 2 Hex Nuts *(05 05 23 00-1284)*

05 05 23 00-1286	EA	1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.43	0.19
05 05 23 00-1287	EA	5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.47	0.19
05 05 23 00-1288	EA	3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.50	0.19
05 05 23 00-1289	EA	7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.58	0.19
05 05 23 00-1290	EA	1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.63	0.19
05 05 23 00-1291	EA	9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.81	0.19
05 05 23 00-1292	EA	5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.84	0.19
05 05 23 00-1293	EA	3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.98	0.39
05 05 23 00-1294	EA	7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.39	0.39
05 05 23 00-1295	EA	1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.77	0.39
05 05 23 00-1296	EA	1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.84	0.39
05 05 23 00-1297	EA	1-1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	3.47	0.39
05 05 23 00-1298	EA	1-3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	5.05	0.39
05 05 23 00-1299	EA	1-1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	5.83	0.58
05 05 23 00-1300	EA	1-3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	8.50	0.58
05 05 23 00-1301	EA	2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	12.22	0.58

05 05 23 00-1302 Zinc Plated Steel, Grade 5 Hex Nuts *(05 05 23 00-1284)*

05 05 23 00-1303	EA	1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.44	0.19
05 05 23 00-1304	EA	5/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.48	0.19
05 05 23 00-1305	EA	3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.52	0.19
05 05 23 00-1306	EA	7/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.60	0.19
05 05 23 00-1307	EA	1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.70	0.19
05 05 23 00-1308	EA	9/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.83	0.19
05 05 23 00-1309	EA	5/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.85	0.19
05 05 23 00-1310	EA	3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.10	0.39
05 05 23 00-1311	EA	7/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.51	0.39
05 05 23 00-1312	EA	1" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	2.12	0.39
05 05 23 00-1313	EA	1-1/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	3.19	0.39
05 05 23 00-1314	EA	1-1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	4.49	0.39
05 05 23 00-1315	EA	1-3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	6.54	0.39
05 05 23 00-1316	EA	1-1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	7.21	0.58
05 05 23 00-1317	EA	1-3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	12.90	0.58
05 05 23 00-1318	EA	2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	18.43	0.58

05 05 23 00-1319 Zinc Plated Steel, Grade 8 Hex Nuts *(05 05 23 00-1284)*

05 05 23 00-1320	EA	1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.45	0.19
05 05 23 00-1321	EA	5/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.51	0.19
05 05 23 00-1322	EA	3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.55	0.19
05 05 23 00-1323	EA	7/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.67	0.19
05 05 23 00-1324	EA	1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.80	0.19
05 05 23 00-1325	EA	9/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.95	0.19
05 05 23 00-1326	EA	5/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.07	0.19
05 05 23 00-1327	EA	3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.31	0.39
05 05 23 00-1328	EA	7/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.93	0.39
05 05 23 00-1329	EA	1" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	2.55	0.39
05 05 23 00-1330	EA	1-1/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	3.95	0.39
05 05 23 00-1331	EA	1-1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	4.93	0.39
05 05 23 00-1332	EA	1-3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	8.04	0.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1333	EA	1-1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	8.53	0.58
05 05 23 00-1334	EA	1-3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	12.94	0.58
05 05 23 00-1335	EA	2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	18.23	0.58
05 05 23 00-1336		Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nuts *(05 05 23 00-1284)*		
05 05 23 00-1337	EA	1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.45	0.19
05 05 23 00-1338	EA	5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.50	0.19
05 05 23 00-1339	EA	3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.54	0.19
05 05 23 00-1340	EA	7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.66	0.19
05 05 23 00-1341	EA	1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.76	0.19
05 05 23 00-1342	EA	9/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.84	0.19
05 05 23 00-1343	EA	5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.92	0.19
05 05 23 00-1344	EA	3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.20	0.39
05 05 23 00-1345	EA	7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.71	0.39
05 05 23 00-1346	EA	1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	2.35	0.39
05 05 23 00-1347	EA	1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	3.82	0.39
05 05 23 00-1348	EA	1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	4.90	0.39
05 05 23 00-1349	EA	1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	7.22	0.39
05 05 23 00-1350	EA	1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	8.40	0.58
05 05 23 00-1351	EA	1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	14.55	0.58
05 05 23 00-1352	EA	2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	25.06	0.58
05 05 23 00-1353		304 Stainless Steel Hex Nuts *(05 05 23 00-1284)*		
05 05 23 00-1354	EA	1/4" Diameter, 304 Stainless Steel Hex Nut	0.48	0.19
05 05 23 00-1355	EA	5/16" Diameter, 304 Stainless Steel Hex Nut	0.56	0.19
05 05 23 00-1356	EA	3/8" Diameter, 304 Stainless Steel Hex Nut	0.62	0.19
05 05 23 00-1357	EA	7/16" Diameter, 304 Stainless Steel Hex Nut	0.87	0.19
05 05 23 00-1358	EA	1/2" Diameter, 304 Stainless Steel Hex Nut	0.95	0.19
05 05 23 00-1359	EA	9/16" Diameter, 304 Stainless Steel Hex Nut	1.38	0.19
05 05 23 00-1360	EA	5/8" Diameter, 304 Stainless Steel Hex Nut	1.52	0.19
05 05 23 00-1361	EA	3/4" Diameter, 304 Stainless Steel Hex Nut	1.74	0.39
05 05 23 00-1362	EA	7/8" Diameter, 304 Stainless Steel Hex Nut	2.77	0.39
05 05 23 00-1363	EA	1" Diameter, 304 Stainless Steel Hex Nut	4.20	0.39
05 05 23 00-1364	EA	1-1/4" Diameter, 304 Stainless Steel Hex Nut	9.91	0.39
05 05 23 00-1365	EA	1-1/2" Diameter, 304 Stainless Steel Hex Nut	18.87	0.58
05 05 23 00-1366	EA	1-3/4" Diameter, 304 Stainless Steel Hex Nut	33.03	0.58
05 05 23 00-1367	EA	2" Diameter, 304 Stainless Steel Hex Nut	46.98	0.58
05 05 23 00-1368		316 Stainless Steel Hex Nuts *(05 05 23 00-1284)*		
05 05 23 00-1369	EA	1/4" Diameter, 316 Stainless Steel Hex Nut	0.55	0.19
05 05 23 00-1370	EA	5/16" Diameter, 316 Stainless Steel Hex Nut	0.61	0.19
05 05 23 00-1371	EA	3/8" Diameter, 316 Stainless Steel Hex Nut	0.72	0.19
05 05 23 00-1372	EA	7/16" Diameter, 316 Stainless Steel Hex Nut	1.11	0.19
05 05 23 00-1373	EA	1/2" Diameter, 316 Stainless Steel Hex Nut	1.20	0.19
05 05 23 00-1374	EA	9/16" Diameter, 316 Stainless Steel Hex Nut	1.59	0.19
05 05 23 00-1375	EA	5/8" Diameter, 316 Stainless Steel Hex Nut	1.78	0.19
05 05 23 00-1376	EA	3/4" Diameter, 316 Stainless Steel Hex Nut	2.44	0.39
05 05 23 00-1377	EA	7/8" Diameter, 316 Stainless Steel Hex Nut	3.34	0.39
05 05 23 00-1378	EA	1" Diameter, 316 Stainless Steel Hex Nut	5.11	0.39
05 05 23 00-1379	EA	1-1/4" Diameter, 316 Stainless Steel Hex Nut	15.26	0.39
05 05 23 00-1380	EA	1-1/2" Diameter, 316 Stainless Steel Hex Nut	24.57	0.58
05 05 23 00-1381	EA	1-3/4" Diameter, 316 Stainless Steel Hex Nut	41.34	0.58
05 05 23 00-1382	EA	2" Diameter, 316 Stainless Steel Hex Nut	76.65	0.58
05 05 23 00-1383		Flat Washers *(05 05 23 00-1283)*		
05 05 23 00-1384		Zinc Plated Steel, Low Carbon Flat Washers *(05 05 23 00-1383)*		
05 05 23 00-1385	EA	1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.03	
05 05 23 00-1386	EA	5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.04	
05 05 23 00-1387	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.08	
05 05 23 00-1388	EA	7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.12	
05 05 23 00-1389	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.17	
05 05 23 00-1390	EA	9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.19	
05 05 23 00-1391	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.33	
05 05 23 00-1392	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.47	
05 05 23 00-1393	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.56	
05 05 23 00-1394	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.68	
05 05 23 00-1395	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.77	
05 05 23 00-1396	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.92	
05 05 23 00-1397	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.45	
05 05 23 00-1398	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.48	
05 05 23 00-1399	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.20	
05 05 23 00-1400	EA	2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.73	
05 05 23 00-1401		Zinc Plated Steel, Hardened Flat Washers *(05 05 23 00-1383)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1402	EA	1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.10	
05 05 23 00-1403	EA	5/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.14	
05 05 23 00-1404	EA	3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.16	
05 05 23 00-1405	EA	7/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.21	
05 05 23 00-1406	EA	1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.29	
05 05 23 00-1407	EA	9/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.47	
05 05 23 00-1408	EA	5/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.67	
05 05 23 00-1409	EA	3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.94	
05 05 23 00-1410	EA	7/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	1.58	
05 05 23 00-1411	EA	1" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	1.75	
05 05 23 00-1412	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	2.54	
05 05 23 00-1413	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	2.78	
05 05 23 00-1414	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	3.66	
05 05 23 00-1415	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	4.18	
05 05 23 00-1416	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	5.62	
05 05 23 00-1417	EA	2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	6.75	
05 05 23 00-1418		Hot Dipped Galvanized Steel Flat Washers *(05 05 23 00-1383)*		
05 05 23 00-1419	EA	1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.07	
05 05 23 00-1420	EA	5/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.09	
05 05 23 00-1421	EA	3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.11	
05 05 23 00-1422	EA	7/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.20	
05 05 23 00-1423	EA	1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.25	
05 05 23 00-1424	EA	9/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.41	
05 05 23 00-1425	EA	5/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.46	
05 05 23 00-1426	EA	3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.70	
05 05 23 00-1427	EA	7/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.98	
05 05 23 00-1428	EA	1" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	1.08	
05 05 23 00-1429	EA	1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	1.65	
05 05 23 00-1430	EA	1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	1.84	
05 05 23 00-1431	EA	1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	2.62	
05 05 23 00-1432	EA	1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	2.84	
05 05 23 00-1433	EA	1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	4.12	
05 05 23 00-1434		304/18-8 Stainless Steel Flat Washers *(05 05 23 00-1383)*		
05 05 23 00-1435	EA	1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.07	
05 05 23 00-1436	EA	5/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.09	
05 05 23 00-1437	EA	3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.13	
05 05 23 00-1438	EA	7/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.25	
05 05 23 00-1439	EA	1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.45	
05 05 23 00-1440	EA	9/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.56	
05 05 23 00-1441	EA	5/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.82	
05 05 23 00-1442	EA	3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.84	
05 05 23 00-1443	EA	7/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	1.77	
05 05 23 00-1444	EA	1" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	2.24	
05 05 23 00-1445	EA	1-1/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	2.61	
05 05 23 00-1446	EA	1-1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	2.81	
05 05 23 00-1447	EA	1-3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	2.97	
05 05 23 00-1448	EA	1-1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	3.62	
05 05 23 00-1449	EA	1-3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	4.50	
05 05 23 00-1450	EA	2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	8.84	
05 05 23 00-1451		316 Stainless Steel Flat Washers *(05 05 23 00-1383)*		
05 05 23 00-1452	EA	1/4" Inside Diameter, 316 Stainless Steel Flat Washer	0.14	
05 05 23 00-1453	EA	5/16" Inside Diameter, 316 Stainless Steel Flat Washer	0.15	
05 05 23 00-1454	EA	3/8" Inside Diameter, 316 Stainless Steel Flat Washer	0.27	
05 05 23 00-1455	EA	7/16" Inside Diameter, 316 Stainless Steel Flat Washer	0.32	
05 05 23 00-1456	EA	1/2" Inside Diameter, 316 Stainless Steel Flat Washer	0.58	
05 05 23 00-1457	EA	9/16" Inside Diameter, 316 Stainless Steel Flat Washer	1.05	
05 05 23 00-1458	EA	5/8" Inside Diameter, 316 Stainless Steel Flat Washer	1.24	
05 05 23 00-1459	EA	3/4" Inside Diameter, 316 Stainless Steel Flat Washer	1.56	
05 05 23 00-1460	EA	7/8" Inside Diameter, 316 Stainless Steel Flat Washer	2.42	
05 05 23 00-1461	EA	1" Inside Diameter, 316 Stainless Steel Flat Washer	2.70	
05 05 23 00-1462	EA	1-1/8" Inside Diameter, 316 Stainless Steel Flat Washer	3.08	
05 05 23 00-1463	EA	1-1/4" Inside Diameter, 316 Stainless Steel Flat Washer	3.79	
05 05 23 00-1464	EA	1-3/8" Inside Diameter, 316 Stainless Steel Flat Washer	4.00	
05 05 23 00-1465	EA	1-1/2" Inside Diameter, 316 Stainless Steel Flat Washer	4.10	
05 05 23 00-1466	EA	1-3/4" Inside Diameter, 316 Stainless Steel Flat Washer	6.00	
05 05 23 00-1467		Lock Washers *(05 05 23 00-1283)*		
05 05 23 00-1468		Zinc Plated Steel, Low Carbon Lock Washers *(05 05 23 00-1467)*		
05 05 23 00-1469	EA	1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.01	
05 05 23 00-1470	EA	5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.02	
05 05 23 00-1471	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.03	
05 05 23 00-1472	EA	7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.05	
05 05 23 00-1473	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.07	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1474	EA	9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.11	
05 05 23 00-1475	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.12	
05 05 23 00-1476	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.19	
05 05 23 00-1477	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.31	
05 05 23 00-1478	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.56	
05 05 23 00-1479	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.82	
05 05 23 00-1480	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	1.25	
05 05 23 00-1481	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	1.98	
05 05 23 00-1482	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	2.33	
05 05 23 00-1483	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	4.16	
05 05 23 00-1484	EA	2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	4.69	
05 05 23 00-1485		Hot Dipped Galvanized Steel Lock Washers *(05 05 23 00-1467)*		
05 05 23 00-1486	EA	1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.05	
05 05 23 00-1487	EA	5/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.06	
05 05 23 00-1488	EA	3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.08	
05 05 23 00-1489	EA	7/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.09	
05 05 23 00-1490	EA	1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.14	
05 05 23 00-1491	EA	9/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.18	
05 05 23 00-1492	EA	5/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.21	
05 05 23 00-1493	EA	3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.36	
05 05 23 00-1494	EA	7/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.52	
05 05 23 00-1495	EA	1" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.82	
05 05 23 00-1496	EA	1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	1.48	
05 05 23 00-1497	EA	1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	1.76	
05 05 23 00-1498	EA	1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	2.54	
05 05 23 00-1499	EA	1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	2.91	
05 05 23 00-1500	EA	1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	3.94	
05 05 23 00-1501	EA	2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	5.36	
05 05 23 00-1502		304/18-8 Stainless Steel Lock Washers *(05 05 23 00-1467)*		
05 05 23 00-1503	EA	1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.06	
05 05 23 00-1504	EA	5/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.08	
05 05 23 00-1505	EA	3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.12	
05 05 23 00-1506	EA	7/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.22	
05 05 23 00-1507	EA	1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.24	
05 05 23 00-1508	EA	9/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.58	
05 05 23 00-1509	EA	5/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.68	
05 05 23 00-1510	EA	3/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.80	
05 05 23 00-1511	EA	7/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	1.44	
05 05 23 00-1512	EA	1" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	2.03	
05 05 23 00-1513	EA	1-1/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	3.55	
05 05 23 00-1514	EA	1-1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	4.72	
05 05 23 00-1515	EA	1-3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	6.00	
05 05 23 00-1516	EA	1-1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	7.20	
05 05 23 00-1517		316 Stainless Steel Lock Washers *(05 05 23 00-1467)*		
05 05 23 00-1518	EA	1/4" Inside Diameter, 316 Stainless Steel Lock Washer	0.07	
05 05 23 00-1519	EA	5/16" Inside Diameter, 316 Stainless Steel Lock Washer	0.16	
05 05 23 00-1520	EA	3/8" Inside Diameter, 316 Stainless Steel Lock Washer	0.18	
05 05 23 00-1521	EA	7/16" Inside Diameter, 316 Stainless Steel Lock Washer	0.31	
05 05 23 00-1522	EA	1/2" Inside Diameter, 316 Stainless Steel Lock Washer	0.34	
05 05 23 00-1523	EA	9/16" Inside Diameter, 316 Stainless Steel Lock Washer	0.62	
05 05 23 00-1524	EA	5/8" Inside Diameter, 316 Stainless Steel Lock Washer	0.68	
05 05 23 00-1525	EA	3/4" Inside Diameter, 316 Stainless Steel Lock Washer	1.17	
05 05 23 00-1526	EA	7/8" Inside Diameter, 316 Stainless Steel Lock Washer	1.94	
05 05 23 00-1527	EA	1" Inside Diameter, 316 Stainless Steel Lock Washer	2.63	
05 05 23 00-1528	EA	1-1/8" Inside Diameter, 316 Stainless Steel Lock Washer	3.68	
05 05 23 00-1529	EA	1-1/4" Inside Diameter, 316 Stainless Steel Lock Washer	5.66	
05 05 23 00-1530	EA	1-3/8" Inside Diameter, 316 Stainless Steel Lock Washer	10.12	
05 05 23 00-1531	EA	1-1/2" Inside Diameter, 316 Stainless Steel Lock Washer	11.24	
05 05 23 00-1532		Load Indicating Washers *(05 05 23 00-1283)*		
05 05 23 00-1533		A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) *(05 05 23 00-1532)*		
05 05 23 00-1534		Plain Finish, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) *(05 05 23 00-1533)*		
05 05 23 00-1535	EA	1/2", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	1.36	
05 05 23 00-1536	EA	5/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	1.54	
05 05 23 00-1537	EA	3/4", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	1.66	
05 05 23 00-1538	EA	7/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	1.88	
05 05 23 00-1539	EA	1", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	2.27	
05 05 23 00-1540	EA	1-1/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	3.78	
05 05 23 00-1541	EA	1-1/4", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	4.88	
05 05 23 00-1542	EA	1-3/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	6.23	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1543	EA	1-1/2", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	6.86	
05 05 23 00-1544		**Galvanized, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959)** *(05 05 23 00-1533)*		
05 05 23 00-1545	EA	1/2", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	1.72	
05 05 23 00-1546	EA	5/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	1.91	
05 05 23 00-1547	EA	3/4", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	1.86	
05 05 23 00-1548	EA	7/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	2.27	
05 05 23 00-1549	EA	1", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	2.69	
05 05 23 00-1550	EA	1-1/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	4.06	
05 05 23 00-1551	EA	1-1/4", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	5.11	
05 05 23 00-1552	EA	1-3/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	7.27	
05 05 23 00-1553	EA	1-1/2", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	8.00	
05 05 23 00-1554		**Beveled Washers** *(05 05 23 00-1283)*		
05 05 23 00-1555		**Plain Finish, Square Beveled Structural Washers (ASTM F436)** *(05 05 23 00-1554)*		
05 05 23 00-1556	EA	1/2", Plain Finish, Square Beveled Structural Washer (ASTM F436)	2.24	
05 05 23 00-1557	EA	5/8", Plain Finish, Square Beveled Structural Washer (ASTM F436)	2.29	
05 05 23 00-1558	EA	3/4", Plain Finish, Square Beveled Structural Washer (ASTM F436)	2.34	
05 05 23 00-1559	EA	7/8", Plain Finish, Square Beveled Structural Washer (ASTM F436)	2.84	
05 05 23 00-1560	EA	1", Plain Finish, Square Beveled Structural Washer (ASTM F436)	2.99	
05 05 23 00-1561		**Galvanized, Square Beveled Structural Washers (ASTM F436)** *(05 05 23 00-1554)*		
05 05 23 00-1562	EA	1/2", Galvanized, Square Beveled Structural Washer (ASTM F436)	3.22	
05 05 23 00-1563	EA	5/8", Galvanized, Square Beveled Structural Washer (ASTM F436)	3.37	
05 05 23 00-1564	EA	3/4", Galvanized, Square Beveled Structural Washer (ASTM F436)	3.37	
05 05 23 00-1565	EA	7/8", Galvanized, Square Beveled Structural Washer (ASTM F436)	3.56	
05 05 23 00-1566	EA	1", Galvanized, Square Beveled Structural Washer (ASTM F436)	3.79	
05 05 23 00-1567		**Drilling In Steel Plates** *(05 05 23)*		
05 05 23 00-1568	EA	>1-1/2" To 4" Diameter Drill Through >1/4" To 1/2" Steel Plate	32.37	
		For Aluminum, Deduct	*-3.24*	
		For Stainless Steel, Add	*4.05*	
05 05 23 00-1569	EA	Up To 1/2" Diameter Drill Through >1/2" To 1" Steel Plate	21.58	
		For Aluminum, Deduct	*-2.16*	
		For Stainless Steel, Add	*2.70*	
05 05 23 00-1570	EA	>1/2" To 7/8" Diameter Drill Through >1/2" To 1" Steel Plate	28.49	
		For Aluminum, Deduct	*-2.85*	
		For Stainless Steel, Add	*3.56*	
05 05 23 00-1571	EA	>1-1/2" To 4" Diameter Drill Through Up To 1/4" Steel Plate	24.17	
		For Aluminum, Deduct	*-2.42*	
		For Stainless Steel, Add	*3.02*	
05 05 23 00-1572	EA	>7/8" To 1-1/2" Diameter Drill Through >1/2" To 1" Steel Plate	34.53	
05 05 23 00-1573	EA	>4" To 10" Diameter Drill Through Up To 1/4" Steel Plate	32.37	
		For Aluminum, Deduct	*-3.24*	
		For Stainless Steel, Add	*4.05*	
05 05 23 00-1574		**Welded Stud Anchors** *(05 05 23)*		
05 05 23 00-1575	EA	1/4" Diameter x 1-1/8" Long, Welded Stud Concrete Anchors	2.20	
05 05 23 00-1576	EA	1/4" Diameter x 2-11/16" Long, Welded Stud Concrete Anchors	2.23	
05 05 23 00-1577	EA	1/4" Diameter x 3-1/8" Long, Welded Stud Concrete Anchors	2.24	
05 05 23 00-1578	EA	1/4" Diameter x 4-1/8" Long, Welded Stud Concrete Anchors	2.25	
05 05 23 00-1579	EA	3/8" Diameter x 1-3/8" Long, Welded Stud Concrete Anchors	2.29	
05 05 23 00-1580	EA	3/8" Diameter x 1-5/8" Long, Welded Stud Concrete Anchors	2.36	
05 05 23 00-1581	EA	3/8" Diameter x 2-1/8" Long, Welded Stud Concrete Anchors	2.42	
05 05 23 00-1582	EA	3/8" Diameter x 2-5/8" Long, Welded Stud Concrete Anchors	2.46	
05 05 23 00-1583	EA	3/8" Diameter x 3-1/8" Long, Welded Stud Concrete Anchors	2.49	
05 05 23 00-1584	EA	3/8" Diameter x 4-1/8" Long, Welded Stud Concrete Anchors	2.63	
05 05 23 00-1585	EA	3/8" Diameter x 5-1/8" Long, Welded Stud Concrete Anchors	2.74	
05 05 23 00-1586	EA	3/8" Diameter x 6-1/8" Long, Welded Stud Concrete Anchors	2.83	
05 05 23 00-1587	EA	1/2" Diameter x 1-1/2" Long, Welded Stud Concrete Anchors	2.68	
05 05 23 00-1588	EA	1/2" Diameter x 1-5/8" Long, Welded Stud Concrete Anchors	2.69	
05 05 23 00-1589	EA	1/2" Diameter x 2-1/8" Long, Welded Stud Concrete Anchors	2.80	
05 05 23 00-1590	EA	1/2" Diameter x 2-5/8" Long, Welded Stud Concrete Anchors	2.89	
05 05 23 00-1591	EA	1/2" Diameter x 3-1/8" Long, Welded Stud Concrete Anchors	3.01	
05 05 23 00-1592	EA	1/2" Diameter x 4-1/8" Long, Welded Stud Concrete Anchors	3.20	
05 05 23 00-1593	EA	1/2" Diameter x 5-5/16" Long, Welded Stud Concrete Anchors	3.32	
05 05 23 00-1594	EA	1/2" Diameter x 6-1/8" Long, Welded Stud Concrete Anchors	3.65	
05 05 23 00-1595	EA	1/2" Diameter x 8-1/8" Long, Welded Stud Concrete Anchors	4.27	
05 05 23 00-1596	EA	5/8" Diameter x 2-11/16" Long, Welded Stud Concrete Anchors	3.49	
05 05 23 00-1597	EA	5/8" Diameter x 3-3/16" Long, Welded Stud Concrete Anchors	3.64	
05 05 23 00-1598	EA	5/8" Diameter x 3-11/16" Long, Welded Stud Concrete Anchors	3.77	
05 05 23 00-1599	EA	5/8" Diameter x 4-3/16" Long, Welded Stud Concrete Anchors	3.90	
05 05 23 00-1600	EA	5/8" Diameter x 4-11/16" Long, Welded Stud Concrete Anchors	4.00	
05 05 23 00-1601	EA	5/8" Diameter x 5-3/16" Long, Welded Stud Concrete Anchors	4.10	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1602	EA	5/8" Diameter x 6-3/16" Long, Welded Stud Concrete Anchors	4.23	
05 05 23 00-1603	EA	5/8" Diameter x 6-9/16" Long, Welded Stud Concrete Anchors	4.76	
05 05 23 00-1604	EA	5/8" Diameter x 8-3/16" Long, Welded Stud Concrete Anchors	5.50	

05 05 23 00-1605 Welded Shear Stud Connector *(05 05 23)*

05 05 23 00-1606 3/4" Diameter Welded Shear Stud Connector *(05 05 23 00-1605)*

05 05 23 00-1607	EA	3/4" Diameter x 3-3/16" Long, Welded Shear Stud Connector	4.29	
05 05 23 00-1608	EA	3/4" Diameter x 3-3/8" Long, Welded Shear Stud Connector	4.40	
05 05 23 00-1609	EA	3/4" Diameter x 3-7/8" Long, Welded Shear Stud Connector	4.43	
05 05 23 00-1610	EA	3/4" Diameter x 4-3/16" Long, Welded Shear Stud Connector	4.44	
05 05 23 00-1611	EA	3/4" Diameter x 4-3/8" Long, Welded Shear Stud Connector	4.57	
05 05 23 00-1612	EA	3/4" Diameter x 4-11/16" Long, Welded Shear Stud Connector	4.80	
05 05 23 00-1613	EA	3/4" Diameter x 4-7/8" Long, Welded Shear Stud Connector	7.06	
05 05 23 00-1614	EA	3/4" Diameter x 5-3/16" Long, Welded Shear Stud Connector	5.08	
05 05 23 00-1615	EA	3/4" Diameter x 5-3/8" Long, Welded Shear Stud Connector	5.49	
05 05 23 00-1616	EA	3/4" Diameter x 6-3/16" Long, Welded Shear Stud Connector	7.91	
05 05 23 00-1617	EA	3/4" Diameter x 7-3/16" Long, Welded Shear Stud Connector	8.04	
05 05 23 00-1618	EA	3/4" Diameter x 8-3/16" Long, Welded Shear Stud Connector	8.49	
05 05 23 00-1619	EA	3/4" Diameter x 10-3/16" Long, Welded Shear Stud Connector	10.38	

05 05 23 00-1620 7/8" Diameter Welded Shear Stud Connector *(05 05 23 00-1605)*

05 05 23 00-1621	EA	7/8" Diameter x 3-3/16" Long, Welded Shear Stud Connector	4.85	
05 05 23 00-1622	EA	7/8" Diameter x 3-11/16" Long, Welded Shear Stud Connector	5.03	
05 05 23 00-1623	EA	7/8" Diameter x 4-3/16" Long, Welded Shear Stud Connector	5.21	
05 05 23 00-1624	EA	7/8" Diameter x 5-3/16" Long, Welded Shear Stud Connector	5.73	
05 05 23 00-1625	EA	7/8" Diameter x 6-3/16" Long, Welded Shear Stud Connector	8.19	
05 05 23 00-1626	EA	7/8" Diameter x 7-3/16" Long, Welded Shear Stud Connector	8.73	
05 05 23 00-1627	EA	7/8" Diameter x 8-3/16" Long, Welded Shear Stud Connector	9.27	
05 05 23 00-1628	EA	7/8" Diameter x 10-3/16" Long, Welded Shear Stud Connector	10.79	

05 05 23 00-1629 1" Diameter Welded Shear Stud Connector *(05 05 23 00-1605)*

05 05 23 00-1630	EA	1" Diameter x 3-1/4" Long, Welded Shear Stud Connector	6.03	
05 05 23 00-1631	EA	1" Diameter x 4-1/4" Long, Welded Shear Stud Connector	6.58	
05 05 23 00-1632	EA	1" Diameter x 5-1/4" Long, Welded Shear Stud Connector	7.40	
05 05 23 00-1633	EA	1" Diameter x 6-1/4" Long, Welded Shear Stud Connector	10.23	
05 05 23 00-1634	EA	1" Diameter x 7-1/4" Long, Welded Shear Stud Connector	11.09	
05 05 23 00-1635	EA	1" Diameter x 8-1/4" Long, Welded Shear Stud Connector	11.95	

05 10 Structural Metal Framing *(05)*

05 12 Structural Steel Framing *(05 10)*

05 12 23 Structural Steel For Buildings *(05 12)*

Note: Prices are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection. Excludes moment connection welding. See CSI section 05 12 23 00-0101 for field fabrication of additional structural metal connections, 05 12 23 00-0116 for moment connection welding.

05 12 23 00-0001 Rolled Steel Members *(05 12 23)*

05 12 23 00-0002 Beams, Girders And Columns *(05 12 23 00-0001)*

Note: For one and two story I beams and W shapes.

05 12 23 00-0003	TON	Up To 30 LB/LF Beams, Girders And Columns For 1 And 2 Story	6,053.65	954.88
		For ASTM A242 Type 2 High Strength Steel, Add	*326.26*	
		For Hot Dip Galvanizing, Add	*1,141.90*	
05 12 23 00-0004	TON	>30-65 LB/LF Beams, Girders And Columns For 1 And 2 Story	4,005.50	617.26
		For ASTM A242 Type 2 High Strength Steel, Add	*267.76*	
		For Hot Dip Galvanizing, Add	*937.17*	
05 12 23 00-0005	TON	>65-100 LB/LF Beams, Girders And Columns For 1 And 2 Story	3,341.83	347.25
		For ASTM A242 Type 2 High Strength Steel, Add	*237.72*	
		For Hot Dip Galvanizing, Add	*832.00*	
05 12 23 00-0006	TON	>100-300 LB/LF Beams, Girders And Columns For 1 And 2 Story	2,228.87	184.83
		For ASTM A242 Type 2 High Strength Steel, Add	*162.51*	
		For Hot Dip Galvanizing, Add	*568.77*	

05 12 23 00-0007 Trusses, Built-Up *(05 12 23 00-0001)*

05 12 23 00-0008	TON	Built-Up Trusses, Rolled Structural Steel Members	4,248.26	649.39
		For ASTM A242 Type 2 High Strength Steel, Add	*284.48*	
		For Hot Dip Galvanizing, Add	*995.66*	

05 12 23 00-0009 Shapes *(05 12 23 00-0001)*

05 12 23 00-0010 Rolled Shape Steel Angles *(05 12 23 00-0009)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0011	TON	Up To 10 LB/LF Rolled Shape Steel Angles	8,848.05	1,775.11
		For ASTM A242 Type 2 High Strength Steel, Add	*471.16*	
		For Hot Dip Galvanizing, Add	*1,649.07*	
05 12 23 00-0012	TON	>10-20 LB/LF Rolled Shape Steel Angles	7,609.37	1,041.73
		For ASTM A242 Type 2 High Strength Steel, Add	*450.72*	
		For Hot Dip Galvanizing, Add	*1,577.50*	
05 12 23 00-0013	TON	>20-58 LB/LF Rolled Shape Steel Angles	5,614.47	617.26
		For ASTM A242 Type 2 High Strength Steel, Add	*396.49*	
		For Hot Dip Galvanizing, Add	*1,387.71*	

05 12 23 00-0014 Rolled C, MC Steel Channels *(05 12 23 00-0009)*

05 12 23 00-0015	TON	Up To 10 LB/LF Rolled C, MC Steel Channels	9,870.90	2,430.71
		For ASTM A242 Type 2 High Strength Steel, Add	*464.05*	
		For Hot Dip Galvanizing, Add	*1,624.18*	
05 12 23 00-0016	TON	>10-20 LB/LF Rolled C, MC Steel Channels	7,531.59	1,851.97
		For ASTM A242 Type 2 High Strength Steel, Add	*444.49*	
		For Hot Dip Galvanizing, Add	*1,555.72*	
05 12 23 00-0017	TON	>20-58 LB/LF Rolled C, MC Steel Channels	5,525.57	617.26
		For ASTM A242 Type 2 High Strength Steel, Add	*389.38*	
		For Hot Dip Galvanizing, Add	*1,362.81*	

05 12 23 00-0018 Double L Shape Steel Angles *(05 12 23 00-0009)*

05 12 23 00-0019	TON	Up To 20 LB/LF Double L Shape Steel Angles	8,132.72	1,408.43
		For ASTM A242 Type 2 High Strength Steel, Add	*453.38*	
		For Hot Dip Galvanizing, Add	*1,586.84*	
05 12 23 00-0020	TON	>20-50 LB/LF Double L Shape Steel Angles	5,992.29	617.26
		For ASTM A242 Type 2 High Strength Steel, Add	*426.71*	
		For Hot Dip Galvanizing, Add	*1,493.49*	
05 12 23 00-0021	TON	>50-80 LB/LF Double L Shape Steel Angles	4,481.95	347.25
		For ASTM A242 Type 2 High Strength Steel, Add	*328.92*	
		For Hot Dip Galvanizing, Add	*1,151.24*	
05 12 23 00-0022	TON	>80-115 LB/LF Double L Shape Steel Angles	2,864.19	185.10
		For ASTM A242 Type 2 High Strength Steel, Add	*213.36*	
		For Hot Dip Galvanizing, Add	*746.75*	

05 12 23 00-0023 Structural WT, MT, ST Tee Shapes *(05 12 23 00-0001)*

05 12 23 00-0024	TON	Up To 30 LB/LF Structural WT, MT, ST Tee Shapes	7,309.34	1,041.73
		For ASTM A242 Type 2 High Strength Steel, Add	*426.71*	
		For Hot Dip Galvanizing, Add	*1,493.49*	
05 12 23 00-0025	TON	>30-65 LB/LF Structural WT, MT, ST Tee Shapes	4,736.69	617.26
		For ASTM A242 Type 2 High Strength Steel, Add	*326.26*	
		For Hot Dip Galvanizing, Add	*1,141.90*	
05 12 23 00-0026	TON	>65-100 LB/LF Structural WT, MT, ST Tee Shapes	3,704.08	347.25
		For ASTM A242 Type 2 High Strength Steel, Add	*266.70*	
		For Hot Dip Galvanizing, Add	*933.43*	
05 12 23 00-0027	TON	>100-365 LB/LF Structural WT, MT, ST Tee Shapes	2,708.92	184.83
		For ASTM A242 Type 2 High Strength Steel, Add	*200.91*	
		For Hot Dip Galvanizing, Add	*703.19*	

05 12 23 00-0028 Combination Section Shapes *(05 12 23 00-0001)*

05 12 23 00-0029 Combination Section, W Shapes And Angles *(05 12 23 00-0028)*

05 12 23 00-0030	TON	Up To 30 LB/LF Combination Section - W Shapes And Angles	6,964.86	1,041.73
		For ASTM A242 Type 2 High Strength Steel, Add	*399.15*	
		For Hot Dip Galvanizing, Add	*1,397.04*	
05 12 23 00-0031	TON	>30-65 LB/LF Combination Section - W Shapes And Angles	4,770.03	617.26
		For ASTM A242 Type 2 High Strength Steel, Add	*328.92*	
		For Hot Dip Galvanizing, Add	*1,151.24*	
05 12 23 00-0032	TON	>65-100 LB/LF Combination Section - W Shapes And Angles	3,426.27	347.25
		For ASTM A242 Type 2 High Strength Steel, Add	*244.47*	
		For Hot Dip Galvanizing, Add	*855.65*	
05 12 23 00-0033	TON	>100-300 LB/LF Combination Section - W Shapes And Angles	2,930.86	184.83
		For ASTM A242 Type 2 High Strength Steel, Add	*218.69*	
		For Hot Dip Galvanizing, Add	*765.42*	
05 12 23 00-0034	TON	>300-500 LB/LF Combination Section - W Shapes And Angles	2,510.15	92.79
		For ASTM A242 Type 2 High Strength Steel, Add	*192.91*	
		For Hot Dip Galvanizing, Add	*675.19*	

05 12 23 00-0035 Combination Section, S Shapes And Angles *(05 12 23 00-0028)*

05 12 23 00-0036	TON	>30-65 LB/LF Combination Section - S Shapes And Angles	4,592.23	617.26
		For ASTM A242 Type 2 High Strength Steel, Add	*314.70*	
		For Hot Dip Galvanizing, Add	*1,101.45*	
05 12 23 00-0037	TON	>65-100 LB/LF Combination Section - S Shapes And Angles	3,437.39	347.25
		For ASTM A242 Type 2 High Strength Steel, Add	*245.36*	
		For Hot Dip Galvanizing, Add	*858.76*	

05 12 23 00-0038 Combination Section, Channels And Angles *(05 12 23 00-0028)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0039	TON	Up To 30 LB/LF Combination Section - Channels And Angles	7,309.34	1,041.73
		For ASTM A242 Type 2 High Strength Steel, Add	*426.71*	
		For Hot Dip Galvanizing, Add	*1,493.49*	
05 12 23 00-0040	TON	>30-65 LB/LF Combination Section - Channels And Angles	4,992.27	617.26
		For ASTM A242 Type 2 High Strength Steel, Add	*346.70*	
		For Hot Dip Galvanizing, Add	*1,213.46*	
05 12 23 00-0041	TON	>65-100 LB/LF Combination Section - Channels And Angles	3,515.17	347.25
		For ASTM A242 Type 2 High Strength Steel, Add	*251.58*	
		For Hot Dip Galvanizing, Add	*880.54*	
05 12 23 00-0042		**Standard Weight Pipe** *(05 12 23 00-0001)*		
05 12 23 00-0043	TON	1/2" To 5" Diameter Standard Weight Pipe	4,059.67	555.59
		For ASTM A242 Type 2 High Strength Steel, Add	*277.36*	
		For Hot Dip Galvanizing, Add	*970.77*	
05 12 23 00-0044	TON	>5" To 12" Diameter Standard Weight Pipe	4,363.40	694.48
		For ASTM A242 Type 2 High Strength Steel, Add	*289.81*	
		For Hot Dip Galvanizing, Add	*1,014.33*	
05 12 23 00-0045		**Steel Shapes** *(05 12 23)*		
05 12 23 00-0046		**Steel Rods** *(05 12 23 00-0045)*		
05 12 23 00-0047	TON	1/2" To 5" Diameter Extra Strong Steel, Solid	4,330.08	434.10
		For ASTM A242 Type 2 High Strength Steel, Add	*309.37*	
		For Hot Dip Galvanizing, Add	*1,082.78*	
05 12 23 00-0048	TON	>5" To 12" Diameter Extra Strong Steel, Solid	4,992.27	617.26
		For ASTM A242 Type 2 High Strength Steel, Add	*346.70*	
		For Hot Dip Galvanizing, Add	*1,213.46*	
05 12 23 00-0049		**Column Base Plates** *(05 12 23 00-0045)*		
05 12 23 00-0050	LB	Column Base Plates, Up To 150 LB / Each, A36 Miscellaneous Steel Items	2.30	0.59
		For ASTM A242 Type 2 High Strength Steel, Add	*0.13*	
		For Hot Dip Galvanizing, Add	*0.47*	
05 12 23 00-0051	LB	Column Base Plates, >150 LB / Each, A36 Miscellaneous Steel Items	2.14	0.51
		For ASTM A242 Type 2 High Strength Steel, Add	*0.13*	
		For Hot Dip Galvanizing, Add	*0.44*	
05 12 23 00-0052	TON	Column Base Plates, Up To 150 LB Each, A36 Miscellaneous Steel Items	4,005.34	532.39
		For ASTM A242 Type 2 High Strength Steel, Add	*275.00*	
		For Hot Dip Galvanizing, Add	*962.49*	
05 12 23 00-0053	TON	Column Base Plates, >150 LB Each, A36 Miscellaneous Steel Items	2,827.00	319.44
		For ASTM A242 Type 2 High Strength Steel, Add	*198.90*	
		For Hot Dip Galvanizing, Add	*696.16*	
05 12 23 00-0054		**Double Extra Strong Pipes** *(05 12 23 00-0045)*		
05 12 23 00-0055	TON	2" To 5" Diameter Double Extra Strong Pipe	5,269.31	793.66
		For ASTM A242 Type 2 High Strength Steel, Add	*353.82*	
		For Hot Dip Galvanizing, Add	*1,238.36*	
05 12 23 00-0056	TON	>5" To 8" Diameter Double Extra Strong Pipe	4,656.32	427.34
		For ASTM A242 Type 2 High Strength Steel, Add	*336.04*	
		For Hot Dip Galvanizing, Add	*1,176.13*	
05 12 23 00-0057		**Structural Pipes** *(05 12 23 00-0045)*		
05 12 23 00-0058	TON	3" To 5" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items	3,675.64	366.69
		For ASTM A242 Type 2 High Strength Steel, Add	*248.92*	
		For Hot Dip Galvanizing, Add	*871.21*	
05 12 23 00-0059	TON	>5" To 12" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items	4,044.44	422.90
		For ASTM A242 Type 2 High Strength Steel, Add	*248.92*	
		For Hot Dip Galvanizing, Add	*871.21*	
05 12 23 00-0060		**Structural Tubing** *(05 12 23 00-0045)*		
05 12 23 00-0061		**Rectangle Structural Tubing** *(05 12 23 00-0060)*		
05 12 23 00-0062	TON	3" x 2" Weight Range 5-7 LB/LF Structural Tubing - Rectangle	5,951.24	370.39
		For ASTM A242 Type 2 High Strength Steel, Add	*444.49*	
		For Hot Dip Galvanizing, Add	*1,555.72*	
05 12 23 00-0063	TON	4" x 3", 2" Weight Range 6-13 LB/LF Structural Tubing - Rectangle	6,012.03	427.34
		For ASTM A242 Type 2 High Strength Steel, Add	*444.49*	
		For Hot Dip Galvanizing, Add	*1,555.72*	
05 12 23 00-0064	TON	5" x 4", 2" Weight Range 8-20 LB/LF Structural Tubing - Rectangle	5,272.15	463.00
		For ASTM A242 Type 2 High Strength Steel, Add	*382.26*	
		For Hot Dip Galvanizing, Add	*1,337.92*	
05 12 23 00-0065	TON	6" x 4", 3 ", 2" Weight Range 9-29 LB/LF Structural Tubing - Rectangle	5,037.56	555.59
		For ASTM A242 Type 2 High Strength Steel, Add	*355.59*	
		For Hot Dip Galvanizing, Add	*1,244.58*	
05 12 23 00-0066	TON	7" x 5", 4 ", 3" Weight Range 12-35 LB/LF Structural Tubing - Rectangle	4,770.03	617.26
		For ASTM A242 Type 2 High Strength Steel, Add	*328.92*	
		For Hot Dip Galvanizing, Add	*1,151.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0067	TON	8" x 6", 4 ", 3", 2" Weight Range 11-42 LB/LF Structural Tubing - Rectangle	5,022.74	854.22
		For ASTM A242 Type 2 High Strength Steel, Add	*328.92*	
		For Hot Dip Galvanizing, Add	*1,151.24*	
05 12 23 00-0068	TON	10" x 6", 4 ", 2" Weight Range 15-50 LB/LF Structural Tubing - Rectangle	5,404.98	1,129.24
		For ASTM A242 Type 2 High Strength Steel, Add	*336.04*	
		For Hot Dip Galvanizing, Add	*1,176.13*	
05 12 23 00-0069	TON	12" x 6", 4 ", 2" Weight Range 17-76 LB/LF Structural Tubing - Rectangle	5,560.68	1,233.50
		For ASTM A242 Type 2 High Strength Steel, Add	*339.59*	
		For Hot Dip Galvanizing, Add	*1,188.57*	
05 12 23 00-0070	TON	14" x 10", 6", 4" Weight Range 29-76 LB/LF Structural Tubing - Rectangle	5,726.48	1,388.98
		For ASTM A242 Type 2 High Strength Steel, Add	*339.59*	
		For Hot Dip Galvanizing, Add	*1,188.57*	
05 12 23 00-0071	TON	16" x 12", 8", 4" Weight Range 40-90 LB/LF Structural Tubing - Rectangle	7,313.00	2,918.06
		For ASTM A242 Type 2 High Strength Steel, Add	*336.04*	
		For Hot Dip Galvanizing, Add	*1,176.13*	
05 12 23 00-0072	TON	18" x 6" Weight Range 48-76 LB/LF Structural Tubing - Rectangle	6,064.76	1,851.97
		For ASTM A242 Type 2 High Strength Steel, Add	*327.15*	
		For Hot Dip Galvanizing, Add	*1,145.01*	
05 12 23 00-0073	TON	20" x 12", 8", 4" Weight Range 48-105 LB/LF Structural Tubing - Rectangle	8,856.29	4,260.74
		For ASTM A242 Type 2 High Strength Steel, Add	*344.93*	
		For Hot Dip Galvanizing, Add	*1,207.24*	
05 12 23 00-0074		**Square Structural Tubing** *(05 12 23 00-0060)*		
05 12 23 00-0075	TON	2" x 2" Weight Range 4-6 LB/LF Structural Tubing - Square	5,926.55	347.25
		For ASTM A242 Type 2 High Strength Steel, Add	*444.49*	
		For Hot Dip Galvanizing, Add	*1,555.72*	
05 12 23 00-0076	TON	2.5" x 2.5" Weight Range 5-8 LB/LF Structural Tubing - Square	5,951.24	370.39
		For ASTM A242 Type 2 High Strength Steel, Add	*444.49*	
		For Hot Dip Galvanizing, Add	*1,555.72*	
05 12 23 00-0077	TON	3" x 3" Weight Range 6-11 LB/LF Structural Tubing - Square	5,383.28	463.00
		For ASTM A242 Type 2 High Strength Steel, Add	*391.15*	
		For Hot Dip Galvanizing, Add	*1,369.04*	
05 12 23 00-0078	TON	3.5" x 3.5" Weight Range 8-13 LB/LF Structural Tubing - Square	5,370.92	555.59
		For ASTM A242 Type 2 High Strength Steel, Add	*382.26*	
		For Hot Dip Galvanizing, Add	*1,337.92*	
05 12 23 00-0079	TON	4" x 4" Weight Range 10-22 LB/LF Structural Tubing - Square	4,385.63	694.48
		For ASTM A242 Type 2 High Strength Steel, Add	*291.59*	
		For Hot Dip Galvanizing, Add	*1,020.56*	
05 12 23 00-0080	TON	5" x 5" Weight Range 12-30 LB/LF Structural Tubing - Square	4,491.45	793.66
		For ASTM A242 Type 2 High Strength Steel, Add	*291.59*	
		For Hot Dip Galvanizing, Add	*1,020.56*	
05 12 23 00-0081	TON	6" x 6" Weight Range 15-35 LB/LF Structural Tubing - Square	4,830.10	1,111.19
		For ASTM A242 Type 2 High Strength Steel, Add	*291.59*	
		For Hot Dip Galvanizing, Add	*1,020.56*	
05 12 23 00-0082	TON	7" x 7" Weight Range 17-42 LB/LF Structural Tubing - Square	5,193.09	1,388.98
		For ASTM A242 Type 2 High Strength Steel, Add	*296.92*	
		For Hot Dip Galvanizing, Add	*1,039.22*	
05 12 23 00-0083	TON	8" x 8" Weight Range 20-60 LB/LF Structural Tubing - Square	6,287.01	1,851.97
		For ASTM A242 Type 2 High Strength Steel, Add	*344.93*	
		For Hot Dip Galvanizing, Add	*1,207.24*	
05 12 23 00-0084	TON	10" x 10" Weight Range 33-77 LB/LF Structural Tubing - Square	7,274.73	2,777.96
		For ASTM A242 Type 2 High Strength Steel, Add	*344.93*	
		For Hot Dip Galvanizing, Add	*1,207.24*	
05 12 23 00-0085	TON	12" x 12" Weight Range 40-80 LB/LF Structural Tubing - Square	7,189.39	3,260.49
		For ASTM A242 Type 2 High Strength Steel, Add	*296.92*	
		For Hot Dip Galvanizing, Add	*1,039.22*	
05 12 23 00-0086	TON	14" x 14" Weight Range 57-90 LB/LF Structural Tubing - Square	8,767.39	4,260.74
		For ASTM A242 Type 2 High Strength Steel, Add	*337.81*	
		For Hot Dip Galvanizing, Add	*1,182.35*	
05 12 23 00-0087	TON	16" x 16" Weight Range 65-105 LB/LF Structural Tubing - Square	10,237.89	5,555.92
		For ASTM A242 Type 2 High Strength Steel, Add	*344.93*	
		For Hot Dip Galvanizing, Add	*1,207.24*	
05 12 23 00-0088		**Structural Shapes** *(05 12 23 00-0045)*		
05 12 23 00-0089	TON	Structural Shapes, Steel Angle A36 Structural Steel, Purlins And Girts (Up To 20 LB/LF)	7,118.50	2,129.55
		For ASTM A242 Type 2 High Strength Steel, Add	*299.06*	
		For Hot Dip Galvanizing, Add	*1,046.71*	
		For >20 To 50 LB/LF, Deduct	*-880.86*	
		For >50 To 75 LB/LF, Deduct	*-1,405.80*	
		For >75 To 100 LB/LF, Deduct	*-1,930.74*	
05 12 23 00-0090	TON	Structural Shapes, Steel Plate A36 Structural Steel Note: Up to 21.5 LB per SF	4,688.76	851.82
		For ASTM A242 Type 2 High Strength Steel, Add	*284.48*	
		For Hot Dip Galvanizing, Add	*995.69*	
		For >21.5 To 50 LB/LF, Deduct	*-525.51*	
05 12 23 00-0091	LB	Structural Shapes, Primed Pipe Supports (Up To 20 LB/LF)	2.69	0.19
05 12 23 00-0092	LB	Structural Shapes, Galvanized Pipe Supports	3.25	0.19
05 12 23 00-0093		**Built-Up Trusses** *(05 12 23 00-0045)*		
05 12 23 00-0094	TON	Up To 50 LF Span Average Weight 100 LB/LF Trusses, Built-up	4,819.02	277.79
05 12 23 00-0095	TON	>50-100 LF Span Average Weight 120 LB/LF Trusses, Built-up	4,731.78	154.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0096	TON	>100-200 LF Span Average Weight 150 LB/LF Trusses, Built-up	4,198.71	81.67
05 12 23 00-0097	TON	>200 LF Span Average Weight 180 LB/LF Trusses, Built-up	4,082.74	77.22

05 12 23 00-0098 Accessories For Steel *(05 12 23)*

05 12 23 00-0099 Field Painting For Touch-Up Of Shop Prime Coat *(05 12 23 00-0098)*

05 12 23 00-0100	SF	Touch Up Paint - Type 1 Red Oxide Field Painting Prime Coat	0.81	

05 12 23 00-0101 Connection And Stiffener Plates *(05 12 23 00-0098)*

Note: For field fabrication of additional structural metal connections.

05 12 23 00-0102	TON	1/8" Plate Weight 6.16 LB/SF Connection And Stiffener Plates	10,265.87	
05 12 23 00-0103	TON	3/16" Plate Weight 8.71 LB/SF Connection And Stiffener Plates	8,758.79	
05 12 23 00-0104	TON	1/4" Plate Weight 11.26 LB/SF Connection And Stiffener Plates	6,773.35	
05 12 23 00-0105	TON	5/16" Plate Weight 13.81 LB/SF Connection And Stiffener Plates	6,773.35	
05 12 23 00-0106	TON	3/8" Plate Weight 16.37 LB/SF Connection And Stiffener Plates	6,773.35	
05 12 23 00-0107	TON	1/2" Plate Weight 21.47 LB/SF Connection And Stiffener Plates	6,773.35	
05 12 23 00-0108	TON	9/16" Plate Weight 24.02 LB/SF Connection And Stiffener Plates	6,773.35	
05 12 23 00-0109	TON	5/8" Plate Weight 26.58 LB/SF Connection And Stiffener Plates	6,773.35	
05 12 23 00-0110	TON	3/4" Plate Weight 31.68 LB/SF Connection And Stiffener Plates	6,350.02	
05 12 23 00-0111	TON	7/8" Plate Weight 36.78 LB/SF Connection And Stiffener Plates	6,350.02	
05 12 23 00-0112	TON	1" Plate Weight 41.89 LB/SF Connection And Stiffener Plates	6,350.02	

05 12 23 00-0113 Spot Welding *(05 12 23 00-0098)*

See CSI section 05 12 23 00-0116 for a series of welds.

05 12 23 00-0114	EA	Up To 15 Spot Weldings, Welds Up To 1" Length Each	9.46	
		For Aluminum Welding, Add	*1.44*	
		For Stainless Steel Welding, Add	*2.39*	
05 12 23 00-0115	EA	>15 Spot Weldings, Welds Up To 1" Length Each	7.64	
		For Aluminum Welding, Add	*1.33*	
		For Stainless Steel Welding, Add	*2.14*	

05 12 23 00-0116 Field Welding (Seam And Stitch Welding) *(05 12 23 00-0098)*

05 12 23 00-0117 Vertical Fillet Welds *(05 12 23 00-0116)*

Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.

05 12 23 00-0118	LF	3/16" Vertical Fillet Weld	9.90	
		For Aluminum Welding, Add	*1.64*	
		For Stainless Steel Welding, Add	*2.66*	
		For Up To 25, Add	*3.40*	
		For >25 To 50, Add	*2.43*	
05 12 23 00-0119	LF	1/4" Vertical Fillet Weld	14.86	
		For Aluminum Welding, Add	*2.46*	
		For Stainless Steel Welding, Add	*4.00*	
		For Up To 25, Add	*5.11*	
		For >25 To 50, Add	*3.64*	
05 12 23 00-0120	LF	5/16" Vertical Fillet Weld	19.81	
		For Aluminum Welding, Add	*3.28*	
		For Stainless Steel Welding, Add	*5.34*	
		For Up To 25, Add	*6.80*	
		For >25 To 50, Add	*4.85*	
05 12 23 00-0121	LF	3/8" Vertical Fillet Weld	24.78	
		For Aluminum Welding, Add	*4.10*	
		For Stainless Steel Welding, Add	*6.68*	
		For Up To 25, Add	*8.51*	
		For >25 To 50, Add	*6.07*	
05 12 23 00-0122	LF	7/16" Vertical Fillet Weld	29.47	
		For Aluminum Welding, Add	*4.72*	
		For Stainless Steel Welding, Add	*7.74*	
		For Up To 25, Add	*10.19*	
		For >25 To 50, Add	*7.27*	
05 12 23 00-0123	LF	1/2" Vertical Fillet Weld	34.31	
		For Aluminum Welding, Add	*5.68*	
		For Stainless Steel Welding, Add	*9.25*	
		For Up To 25, Add	*11.79*	
		For >25 To 50, Add	*8.40*	
05 12 23 00-0124	LF	9/16" Vertical Fillet Weld	40.30	
		For Aluminum Welding, Add	*6.53*	
		For Stainless Steel Welding, Add	*10.68*	
		For Up To 25, Add	*13.91*	
		For >25 To 50, Add	*9.92*	
05 12 23 00-0125	LF	5/8" Vertical Fillet Weld	44.39	
		For Aluminum Welding, Add	*7.22*	
		For Stainless Steel Welding, Add	*11.80*	
		For Up To 25, Add	*15.30*	
		For >25 To 50, Add	*10.91*	
05 12 23 00-0126	LF	3/4" Vertical Fillet Weld	60.97	
		For Aluminum Welding, Add	*10.12*	
		For Stainless Steel Welding, Add	*16.46*	
		For Up To 25, Add	*20.93*	
		For >25 To 50, Add	*14.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0127	LF	7/8" Vertical Fillet Weld	80.51	
		For Aluminum Welding, Add	*13.16*	
		For Stainless Steel Welding, Add	*21.48*	
		For Up To 25, Add	*27.73*	
		For >25 To 50, Add	*19.77*	
05 12 23 00-0128	LF	1" Vertical Fillet Weld	111.65	
		For Aluminum Welding, Add	*18.57*	
		For Stainless Steel Welding, Add	*30.19*	
		For Up To 25, Add	*38.32*	
		For >25 To 50, Add	*27.31*	

05 12 23 00-0129 Horizontal Or Flat Fillet Welds *(05 12 23 00-0116)*

Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.

05 12 23 00-0130	LF	1/8" Horizontal Or Flat Fillet Weld	5.63	
		For Aluminum Welding, Add	*0.96*	
		For Stainless Steel Welding, Add	*1.56*	
		For Up To 25, Add	*1.92*	
		For >25 To 50, Add	*1.37*	
05 12 23 00-0131	LF	3/16" Horizontal Or Flat Fillet Weld	7.51	
		For Aluminum Welding, Add	*1.29*	
		For Stainless Steel Welding, Add	*2.08*	
		For Up To 25, Add	*2.56*	
		For >25 To 50, Add	*1.82*	
05 12 23 00-0132	LF	1/4" Horizontal Or Flat Fillet Weld	11.26	
		For Aluminum Welding, Add	*1.93*	
		For Stainless Steel Welding, Add	*3.12*	
		For Up To 25, Add	*3.84*	
		For >25 To 50, Add	*2.74*	
05 12 23 00-0133	LF	5/16" Horizontal Or Flat Fillet Weld	15.02	
		For Aluminum Welding, Add	*2.58*	
		For Stainless Steel Welding, Add	*4.16*	
		For Up To 25, Add	*5.12*	
		For >25 To 50, Add	*3.65*	
05 12 23 00-0134	LF	3/8" Horizontal Or Flat Fillet Weld	18.76	
		For Aluminum Welding, Add	*3.21*	
		For Stainless Steel Welding, Add	*5.19*	
		For Up To 25, Add	*6.40*	
		For >25 To 50, Add	*4.56*	
05 12 23 00-0135	LF	7/16" Horizontal Or Flat Fillet Weld	21.70	
		For Aluminum Welding, Add	*3.57*	
		For Stainless Steel Welding, Add	*5.82*	
		For Up To 25, Add	*7.46*	
		For >25 To 50, Add	*5.32*	
05 12 23 00-0136	LF	1/2" Horizontal Or Flat Fillet Weld	26.49	
		For Aluminum Welding, Add	*4.53*	
		For Stainless Steel Welding, Add	*7.32*	
		For Up To 25, Add	*9.04*	
		For >25 To 50, Add	*6.44*	
05 12 23 00-0137	LF	9/16" Horizontal Or Flat Fillet Weld	29.82	
		For Aluminum Welding, Add	*4.98*	
		For Stainless Steel Welding, Add	*8.09*	
		For Up To 25, Add	*10.22*	
		For >25 To 50, Add	*7.29*	
05 12 23 00-0138	LF	5/8" Horizontal Or Flat Fillet Weld	35.81	
		For Aluminum Welding, Add	*6.03*	
		For Stainless Steel Welding, Add	*9.78*	
		For Up To 25, Add	*12.26*	
		For >25 To 50, Add	*8.73*	
05 12 23 00-0139	LF	3/4" Horizontal Or Flat Fillet Weld	45.15	
		For Aluminum Welding, Add	*7.79*	
		For Stainless Steel Welding, Add	*12.56*	
		For Up To 25, Add	*15.38*	
		For >25 To 50, Add	*10.95*	
05 12 23 00-0140	LF	7/8" Horizontal Or Flat Fillet Weld	68.32	
		For Aluminum Welding, Add	*11.26*	
		For Stainless Steel Welding, Add	*18.34*	
		For Up To 25, Add	*23.49*	
		For >25 To 50, Add	*16.74*	
05 12 23 00-0141	LF	1" Horizontal Or Flat Fillet Weld	90.07	
		For Aluminum Welding, Add	*15.41*	
		For Stainless Steel Welding, Add	*24.90*	
		For Up To 25, Add	*30.73*	
		For >25 To 50, Add	*21.88*	

05 12 23 00-0142 Cold Galvanizing *(05 12 23 00-0098)*

05 12 23 00-0143	SF	Brush Applied Cold Galvanizing	1.50	

05 12 23 00-0144 Metal Grinding *(05 12 23 00-0098)*

Note: For use to prepare existing metal for welding by removing of rust or scale and smoothing surface after torch cutting.

05 12 23 00-0145	SI	Metal Grinding Up To 1/32" Thickness To Be Removed Note: Includes rust or scale removal on metal and smoothing surface.	0.73	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0146		Structural Steel For Buildings And Structures *(05 12 23)*		
05 12 23 00-0147		First Tier A992/A36 Structural Steel Columns *(05 12 23 00-0146)*		
		Note: With base plate. Includes material delivery and erection.		
05 12 23 00-0148	LF	W14 x 500 A992/A36 Structural Column	738.17	48.16
		For High Strength Low Alloy A572-50 Steel, Add	*66.44*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*147.63*	
05 12 23 00-0149	LF	W14 x 426 A992/A36 Structural Column	579.78	42.04
		For High Strength Low Alloy A572-50 Steel, Add	*52.18*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*115.96*	
05 12 23 00-0150	LF	W14 x 342 A992/A36 Structural Column	469.33	36.39
		For High Strength Low Alloy A572-50 Steel, Add	*42.24*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*93.87*	
05 12 23 00-0151	LF	W14 x 311 A992/A36 Structural Column	422.98	33.98
		For High Strength Low Alloy A572-50 Steel, Add	*38.07*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*84.60*	
05 12 23 00-0152	LF	W14 x 283 A992/A36 Structural Column	384.17	32.03
		For High Strength Low Alloy A572-50 Steel, Add	*34.58*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*76.83*	
05 12 23 00-0153	LF	W14 x 257 A992/A36 Structural Column	338.15	30.37
		For High Strength Low Alloy A572-50 Steel, Add	*30.43*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*67.63*	
05 12 23 00-0154	LF	W14 x 233 A992/A36 Structural Column	311.25	28.25
		For High Strength Low Alloy A572-50 Steel, Add	*28.01*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*62.25*	
05 12 23 00-0155	LF	W14 x 211 A992/A36 Structural Column	277.11	26.30
		For High Strength Low Alloy A572-50 Steel, Add	*24.94*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*55.42*	
05 12 23 00-0156	LF	W14 x 193 A992/A36 Structural Column	250.89	25.00
		For High Strength Low Alloy A572-50 Steel, Add	*22.58*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*50.18*	
05 12 23 00-0157	LF	W14 x 176 A992/A36 Structural Column	226.41	23.89
		For High Strength Low Alloy A572-50 Steel, Add	*20.38*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*45.28*	
05 12 23 00-0158	LF	W14 x 159 A992/A36 Structural Column	205.01	23.06
		For High Strength Low Alloy A572-50 Steel, Add	*18.45*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*41.00*	
05 12 23 00-0159	LF	W14 x 145 A992/A36 Structural Column	198.13	22.32
		For High Strength Low Alloy A572-50 Steel, Add	*17.83*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*39.63*	
05 12 23 00-0160	LF	W14 x 132 A992/A36 Structural Column	169.92	21.30
		For High Strength Low Alloy A572-50 Steel, Add	*15.29*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*33.98*	
05 12 23 00-0161	LF	W14 x 120 A992/A36 Structural Column	159.49	20.74
		For High Strength Low Alloy A572-50 Steel, Add	*14.35*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*31.90*	
05 12 23 00-0162	LF	W14 x 109 A992/A36 Structural Column	143.08	19.91
		For High Strength Low Alloy A572-50 Steel, Add	*12.88*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*28.62*	
05 12 23 00-0163	LF	W14 x 99 A992/A36 Structural Column	130.80	19.35
		For High Strength Low Alloy A572-50 Steel, Add	*11.77*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*26.16*	
05 12 23 00-0164	LF	W14 x 90 A992/A36 Structural Column	121.71	18.89
		For High Strength Low Alloy A572-50 Steel, Add	*10.95*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*24.34*	
05 12 23 00-0165	LF	W14 x 82 A992/A36 Structural Column	112.32	18.33
		For High Strength Low Alloy A572-50 Steel, Add	*10.11*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*22.46*	
05 12 23 00-0166	LF	W14 x 74 A992/A36 Structural Column	101.68	17.87
		For High Strength Low Alloy A572-50 Steel, Add	*9.15*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*20.34*	
05 12 23 00-0167	LF	W14 x 68 A992/A36 Structural Column	95.18	17.60
		For High Strength Low Alloy A572-50 Steel, Add	*8.57*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*19.04*	
05 12 23 00-0168	LF	W14 x 61 A992/A36 Structural Column	87.03	17.13
		For High Strength Low Alloy A572-50 Steel, Add	*7.83*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*17.41*	
05 12 23 00-0169	LF	W14 x 53 A992/A36 Structural Column	79.50	16.67
		For High Strength Low Alloy A572-50 Steel, Add	*7.16*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*15.90*	
05 12 23 00-0170	LF	W14 x 48 A992/A36 Structural Column	74.64	16.39
		For High Strength Low Alloy A572-50 Steel, Add	*6.72*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*14.93*	
05 12 23 00-0171	LF	W14 x 43 A992/A36 Structural Column	67.63	16.11
		For High Strength Low Alloy A572-50 Steel, Add	*6.09*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*13.53*	
05 12 23 00-0172	LF	W12 x 190 A992/A36 Structural Column	264.00	25.56
		For High Strength Low Alloy A572-50 Steel, Add	*23.76*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*52.80*	
05 12 23 00-0173	LF	W12 x 170 A992/A36 Structural Column	249.57	24.81
		For High Strength Low Alloy A572-50 Steel, Add	*22.46*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*49.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0174	LF	W12 x 152 A992/A36 Structural Column	215.51	23.06
		For High Strength Low Alloy A572-50 Steel, Add	*19.40*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*43.10*	
05 12 23 00-0175	LF	W12 x 136 A992/A36 Structural Column	204.99	22.41
		For High Strength Low Alloy A572-50 Steel, Add	*18.45*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*41.00*	
05 12 23 00-0176	LF	W12 x 120 A992/A36 Structural Column	155.97	20.55
		For High Strength Low Alloy A572-50 Steel, Add	*14.04*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*31.19*	
05 12 23 00-0177	LF	W12 x 106 A992/A36 Structural Column	143.92	19.91
		For High Strength Low Alloy A572-50 Steel, Add	*12.95*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*28.78*	
05 12 23 00-0178	LF	W12 x 96 A992/A36 Structural Column	129.05	19.26
		For High Strength Low Alloy A572-50 Steel, Add	*11.61*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*25.81*	
05 12 23 00-0179	LF	W12 x 87 A992/A36 Structural Column	119.24	18.62
		For High Strength Low Alloy A572-50 Steel, Add	*10.73*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*23.85*	
05 12 23 00-0180	LF	W12 x 79 A992/A36 Structural Column	104.98	18.06
		For High Strength Low Alloy A572-50 Steel, Add	*9.45*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*21.00*	
05 12 23 00-0181	LF	W12 x 72 A992/A36 Structural Column	96.31	17.60
		For High Strength Low Alloy A572-50 Steel, Add	*8.67*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*19.26*	
05 12 23 00-0182	LF	W12 x 65 A992/A36 Structural Column	88.25	17.23
		For High Strength Low Alloy A572-50 Steel, Add	*7.94*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*17.65*	
05 12 23 00-0183	LF	W12 x 58 A992/A36 Structural Column	85.48	17.04
		For High Strength Low Alloy A572-50 Steel, Add	*7.69*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*17.10*	
05 12 23 00-0184	LF	W12 x 53 A992/A36 Structural Column	79.49	16.67
		For High Strength Low Alloy A572-50 Steel, Add	*7.15*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*15.90*	
05 12 23 00-0185	LF	W12 x 50 A992/A36 Structural Column	77.12	16.57
		For High Strength Low Alloy A572-50 Steel, Add	*6.94*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*15.42*	
05 12 23 00-0186	LF	W12 x 45 A992/A36 Structural Column	70.30	16.21
		For High Strength Low Alloy A572-50 Steel, Add	*6.33*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*14.06*	
05 12 23 00-0187	LF	W12 x 40 A992/A36 Structural Column	63.28	15.84
		For High Strength Low Alloy A572-50 Steel, Add	*5.70*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*12.66*	
05 12 23 00-0188	LF	W10 x 112 A992/A36 Structural Column	150.41	20.28
		For High Strength Low Alloy A572-50 Steel, Add	*13.54*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*30.08*	
05 12 23 00-0189	LF	W10 x 110 A992/A36 Structural Column	136.28	19.45
		For High Strength Low Alloy A572-50 Steel, Add	*12.27*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*27.26*	
05 12 23 00-0190	LF	W10 x 88 A992/A36 Structural Column	122.77	18.80
		For High Strength Low Alloy A572-50 Steel, Add	*11.05*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*24.55*	
05 12 23 00-0191	LF	W10 x 77 A992/A36 Structural Column	109.45	18.06
		For High Strength Low Alloy A572-50 Steel, Add	*9.85*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*21.89*	
05 12 23 00-0192	LF	W10 x 68 A992/A36 Structural Column	98.82	17.60
		For High Strength Low Alloy A572-50 Steel, Add	*8.89*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*19.76*	
05 12 23 00-0193	LF	W10 x 60 A992/A36 Structural Column	87.03	17.13
		For High Strength Low Alloy A572-50 Steel, Add	*7.83*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*17.41*	
05 12 23 00-0194	LF	W10 x 54 A992/A36 Structural Column	86.43	16.85
		For High Strength Low Alloy A572-50 Steel, Add	*7.78*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*17.29*	
05 12 23 00-0195	LF	W10 x 49 A992/A36 Structural Column	76.20	16.57
		For High Strength Low Alloy A572-50 Steel, Add	*6.86*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*15.24*	
05 12 23 00-0196	LF	W10 x 45 A992/A36 Structural Column	73.62	16.30
		For High Strength Low Alloy A572-50 Steel, Add	*6.63*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*14.72*	
05 12 23 00-0197	LF	W10 x 39 A992/A36 Structural Column	64.42	16.02
		For High Strength Low Alloy A572-50 Steel, Add	*5.80*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*12.88*	
05 12 23 00-0198	LF	W10 x 33 A992/A36 Structural Column	56.47	15.55
		For High Strength Low Alloy A572-50 Steel, Add	*5.08*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*11.29*	
05 12 23 00-0199	LF	W8 x 67 A992/A36 Structural Column	95.28	17.60
		For High Strength Low Alloy A572-50 Steel, Add	*8.58*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*19.06*	
05 12 23 00-0200	LF	W8 x 58 A992/A36 Structural Column	85.79	17.04
		For High Strength Low Alloy A572-50 Steel, Add	*7.72*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*17.16*	
05 12 23 00-0201	LF	W8 x 48 A992/A36 Structural Column	77.03	16.57
		For High Strength Low Alloy A572-50 Steel, Add	*6.93*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*15.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0202	LF	W8 x 40 A992/A36 Structural Column	66.48	16.11
		For High Strength Low Alloy A572-50 Steel, Add	*5.98*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*13.30*	
05 12 23 00-0203	LF	W8 x 35 A992/A36 Structural Column	60.29	15.74
		For High Strength Low Alloy A572-50 Steel, Add	*5.43*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*12.06*	
05 12 23 00-0204	LF	W8 x 31 A992/A36 Structural Column	55.32	15.55
		For High Strength Low Alloy A572-50 Steel, Add	*4.98*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*11.06*	
05 12 23 00-0205	LF	W8 x 28 A992/A36 Structural Column	52.24	15.37
		For High Strength Low Alloy A572-50 Steel, Add	*4.70*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*10.45*	
05 12 23 00-0206	LF	W8 x 24 A992/A36 Structural Column	48.52	15.19
		For High Strength Low Alloy A572-50 Steel, Add	*4.37*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*9.70*	
05 12 23 00-0207	LF	W8 x 21 A992/A36 Structural Column	46.05	15.09
		For High Strength Low Alloy A572-50 Steel, Add	*4.14*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*9.21*	
05 12 23 00-0208	LF	W8 x 18 A992/A36 Structural Column	41.40	14.82
		For High Strength Low Alloy A572-50 Steel, Add	*3.73*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*8.28*	
05 12 23 00-0209	LF	W6 x 25 A992/A36 Structural Column	50.81	15.19
		For High Strength Low Alloy A572-50 Steel, Add	*4.57*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*10.16*	
05 12 23 00-0210	LF	W6 x 20 A992/A36 Structural Column	43.36	14.91
		For High Strength Low Alloy A572-50 Steel, Add	*3.90*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*8.67*	
05 12 23 00-0211	LF	W6 x 15 A992/A36 Structural Column	37.49	14.45
		For High Strength Low Alloy A572-50 Steel, Add	*3.37*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*7.50*	
05 12 23 00-0212	LF	W6 x 12 A992/A36 Structural Column	35.31	14.45
		For High Strength Low Alloy A572-50 Steel, Add	*3.18*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*7.06*	
05 12 23 00-0213	LF	W6 x 9 A992/A36 Structural Column	32.51	14.35
		For High Strength Low Alloy A572-50 Steel, Add	*2.93*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*6.50*	
05 12 23 00-0214	LF	W5 x 19 A992/A36 Structural Column	42.74	14.91
		For High Strength Low Alloy A572-50 Steel, Add	*3.85*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*8.55*	
05 12 23 00-0215	LF	W5 x 16 A992/A36 Structural Column	39.53	14.82
		For High Strength Low Alloy A572-50 Steel, Add	*3.56*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*7.91*	
05 12 23 00-0216	LF	W4 x 13 A992/A36 Structural Column	37.16	14.63
		For High Strength Low Alloy A572-50 Steel, Add	*3.34*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*7.43*	
05 12 23 00-0217	LF	M6 x 20 A992/A36 Structural Column	28.11	14.91
		For High Strength Low Alloy A572-50 Steel, Add	*2.53*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*5.62*	
05 12 23 00-0218	LF	M5 x 18.9 A992/A36 Structural Column	46.25	14.91
		For High Strength Low Alloy A572-50 Steel, Add	*4.16*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*9.25*	
05 12 23 00-0219	LF	M5 x 13 A992/A36 Structural Column	38.41	14.63
		For High Strength Low Alloy A572-50 Steel, Add	*3.46*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*7.68*	
05 12 23 00-0220	LF	S5 x 17.25 A992/A36 Structural Column	42.00	14.82
		For High Strength Low Alloy A572-50 Steel, Add	*3.78*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*8.40*	
05 12 23 00-0221	LF	S5 x 14.75 A992/A36 Structural Column	39.26	14.72
		For High Strength Low Alloy A572-50 Steel, Add	*3.53*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*7.85*	
05 12 23 00-0222	LF	S5 x 12.5 A992/A36 Structural Column	37.01	14.45
		For High Strength Low Alloy A572-50 Steel, Add	*3.33*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*7.40*	
05 12 23 00-0223	LF	S5 x 10 A992/A36 Structural Column	33.69	14.35
		For High Strength Low Alloy A572-50 Steel, Add	*3.03*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*6.74*	
05 12 23 00-0224	LF	S4 x 9.5 A992/A36 Structural Column	32.84	14.35
		For High Strength Low Alloy A572-50 Steel, Add	*2.96*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*6.57*	
05 12 23 00-0225	LF	S4 x 7.7 A992/A36 Structural Column	30.86	14.35
		For High Strength Low Alloy A572-50 Steel, Add	*2.78*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*6.17*	
05 12 23 00-0226	LF	S3 x 7.5 A992/A36 Structural Column	30.68	14.35
		For High Strength Low Alloy A572-50 Steel, Add	*2.76*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*6.14*	
05 12 23 00-0227	LF	S3 x 5.7 A992/A36 Structural Column	28.32	14.26
		For High Strength Low Alloy A572-50 Steel, Add	*2.55*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*5.66*	

05 12 23 00-0228 A992/A36 Structural Steel Beams And Girders *(05 12 23 00-0146)*
Note: Includes material delivery and erection.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0229	LF	W36 x 280 A992/A36 Structural Beam Or Girder	323.13	69.45
		For High Strength Low Alloy A572-50 Steel, Add	*29.08*	
		For High Strength Low Alloy A588 Steel, Add	*64.63*	
		For Each Additional Top Copes >2, Add	*2.49*	
		For Structural Tees, WT, MT Or ST, Deduct	*-101.98*	
		For Skewed Or Sloped Connections, Add	*38.78*	
05 12 23 00-0230	LF	W36 x 260 A992/A36 Structural Beam Or Girder	306.72	68.61
		For High Strength Low Alloy A572-50 Steel, Add	*27.60*	
		For High Strength Low Alloy A588 Steel, Add	*61.34*	
		For Each Additional Top Copes >2, Add	*2.34*	
		For Structural Tees, WT, MT Or ST, Deduct	*-96.38*	
		For Skewed Or Sloped Connections, Add	*36.81*	
05 12 23 00-0231	LF	W36 x 210 A992/A36 Structural Beam Or Girder	264.92	66.39
		For High Strength Low Alloy A572-50 Steel, Add	*23.84*	
		For High Strength Low Alloy A588 Steel, Add	*52.98*	
		For Each Additional Top Copes >2, Add	*1.94*	
		For Structural Tees, WT, MT Or ST, Deduct	*-82.10*	
		For Skewed Or Sloped Connections, Add	*31.79*	
05 12 23 00-0232	LF	W36 x 160 A992/A36 Structural Beam Or Girder	223.12	64.27
		For High Strength Low Alloy A572-50 Steel, Add	*20.08*	
		For High Strength Low Alloy A588 Steel, Add	*44.62*	
		For Each Additional Top Copes >2, Add	*1.55*	
		For Structural Tees, WT, MT Or ST, Deduct	*-67.81*	
		For Skewed Or Sloped Connections, Add	*26.77*	
05 12 23 00-0233	LF	W36 x 150 A992/A36 Structural Beam Or Girder	214.57	63.80
		For High Strength Low Alloy A572-50 Steel, Add	*19.31*	
		For High Strength Low Alloy A588 Steel, Add	*42.91*	
		For Each Additional Top Copes >2, Add	*1.47*	
		For Structural Tees, WT, MT Or ST, Deduct	*-64.89*	
		For Skewed Or Sloped Connections, Add	*25.75*	
05 12 23 00-0234	LF	W36 x 135 A992/A36 Structural Beam Or Girder	202.58	63.25
		For High Strength Low Alloy A572-50 Steel, Add	*18.23*	
		For High Strength Low Alloy A588 Steel, Add	*40.52*	
		For Each Additional Top Copes >2, Add	*1.35*	
		For Structural Tees, WT, MT Or ST, Deduct	*-60.79*	
		For Skewed Or Sloped Connections, Add	*24.31*	
05 12 23 00-0235	LF	W33 x 201 A992/A36 Structural Beam Or Girder	256.98	65.93
		For High Strength Low Alloy A572-50 Steel, Add	*23.13*	
		For High Strength Low Alloy A588 Steel, Add	*51.40*	
		For Each Additional Top Copes >2, Add	*1.87*	
		For Structural Tees, WT, MT Or ST, Deduct	*-79.39*	
		For Skewed Or Sloped Connections, Add	*30.84*	
05 12 23 00-0236	LF	W33 x 170 A992/A36 Structural Beam Or Girder	232.31	64.73
		For High Strength Low Alloy A572-50 Steel, Add	*20.91*	
		For High Strength Low Alloy A588 Steel, Add	*46.46*	
		For Each Additional Top Copes >2, Add	*1.63*	
		For Structural Tees, WT, MT Or ST, Deduct	*-70.96*	
		For Skewed Or Sloped Connections, Add	*27.88*	
05 12 23 00-0237	LF	W33 x 141 A992/A36 Structural Beam Or Girder	207.75	63.43
		For High Strength Low Alloy A572-50 Steel, Add	*18.70*	
		For High Strength Low Alloy A588 Steel, Add	*41.55*	
		For Each Additional Top Copes >2, Add	*1.40*	
		For Structural Tees, WT, MT Or ST, Deduct	*-62.56*	
		For Skewed Or Sloped Connections, Add	*24.93*	
05 12 23 00-0238	LF	W33 x 130 A992/A36 Structural Beam Or Girder	198.05	62.96
		For High Strength Low Alloy A572-50 Steel, Add	*17.82*	
		For High Strength Low Alloy A588 Steel, Add	*39.61*	
		For Each Additional Top Copes >2, Add	*1.31*	
		For Structural Tees, WT, MT Or ST, Deduct	*-59.25*	
		For Skewed Or Sloped Connections, Add	*23.77*	
05 12 23 00-0239	LF	W33 x 118 A992/A36 Structural Beam Or Girder	186.78	62.42
		For High Strength Low Alloy A572-50 Steel, Add	*16.81*	
		For High Strength Low Alloy A588 Steel, Add	*37.36*	
		For Each Additional Top Copes >2, Add	*1.20*	
		For Structural Tees, WT, MT Or ST, Deduct	*-55.39*	
		For Skewed Or Sloped Connections, Add	*22.41*	
05 12 23 00-0240	LF	W30 x 191 A992/A36 Structural Beam Or Girder	246.33	65.47
		For High Strength Low Alloy A572-50 Steel, Add	*22.17*	
		For High Strength Low Alloy A588 Steel, Add	*49.27*	
		For Each Additional Top Copes >2, Add	*1.76*	
		For Structural Tees, WT, MT Or ST, Deduct	*-75.73*	
		For Skewed Or Sloped Connections, Add	*29.56*	
05 12 23 00-0241	LF	W30 x 154 A992/A36 Structural Beam Or Girder	214.75	63.89
		For High Strength Low Alloy A572-50 Steel, Add	*19.33*	
		For High Strength Low Alloy A588 Steel, Add	*42.95*	
		For Each Additional Top Copes >2, Add	*1.47*	
		For Structural Tees, WT, MT Or ST, Deduct	*-64.94*	
		For Skewed Or Sloped Connections, Add	*25.77*	
05 12 23 00-0242	LF	W30 x 116 A992/A36 Structural Beam Or Girder	183.27	62.32
		For High Strength Low Alloy A572-50 Steel, Add	*16.49*	
		For High Strength Low Alloy A588 Steel, Add	*36.65*	
		For Each Additional Top Copes >2, Add	*1.17*	
		For Structural Tees, WT, MT Or ST, Deduct	*-54.17*	
		For Skewed Or Sloped Connections, Add	*21.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0243	LF	W30 x 108 A992/A36 Structural Beam Or Girder	169.12	56.11
		For High Strength Low Alloy A572-50 Steel, Add	*15.22*	
		For High Strength Low Alloy A588 Steel, Add	*33.82*	
		For Each Additional Top Copes >2, Add	*1.09*	
		For Structural Tees, WT, MT Or ST, Deduct	*-50.22*	
		For Skewed Or Sloped Connections, Add	*20.29*	
05 12 23 00-0244	LF	W30 x 99 A992/A36 Structural Beam Or Girder	162.21	55.84
		For High Strength Low Alloy A572-50 Steel, Add	*14.60*	
		For High Strength Low Alloy A588 Steel, Add	*32.44*	
		For Each Additional Top Copes >2, Add	*1.03*	
		For Structural Tees, WT, MT Or ST, Deduct	*-47.86*	
		For Skewed Or Sloped Connections, Add	*19.47*	
05 12 23 00-0245	LF	W27 x 102 A992/A36 Structural Beam Or Girder	162.92	55.84
		For High Strength Low Alloy A572-50 Steel, Add	*14.66*	
		For High Strength Low Alloy A588 Steel, Add	*32.58*	
		For Each Additional Top Copes >2, Add	*1.03*	
		For Structural Tees, WT, MT Or ST, Deduct	*-48.09*	
		For Skewed Or Sloped Connections, Add	*19.55*	
05 12 23 00-0246	LF	W27 x 94 A992/A36 Structural Beam Or Girder	156.41	55.47
		For High Strength Low Alloy A572-50 Steel, Add	*14.08*	
		For High Strength Low Alloy A588 Steel, Add	*31.28*	
		For Each Additional Top Copes >2, Add	*0.97*	
		For Structural Tees, WT, MT Or ST, Deduct	*-45.87*	
		For Skewed Or Sloped Connections, Add	*18.77*	
05 12 23 00-0247	LF	W27 x 84 A992/A36 Structural Beam Or Girder	148.48	55.09
		For High Strength Low Alloy A572-50 Steel, Add	*13.36*	
		For High Strength Low Alloy A588 Steel, Add	*29.70*	
		For Each Additional Top Copes >2, Add	*0.90*	
		For Structural Tees, WT, MT Or ST, Deduct	*-43.16*	
		For Skewed Or Sloped Connections, Add	*17.82*	
05 12 23 00-0248	LF	W24 x 94 A992/A36 Structural Beam Or Girder	150.49	55.47
		For High Strength Low Alloy A572-50 Steel, Add	*13.54*	
		For High Strength Low Alloy A588 Steel, Add	*30.10*	
		For Each Additional Top Copes >2, Add	*0.91*	
		For Structural Tees, WT, MT Or ST, Deduct	*-43.80*	
		For Skewed Or Sloped Connections, Add	*18.06*	
05 12 23 00-0249	LF	W24 x 84 A992/A36 Structural Beam Or Girder	136.87	49.17
		For High Strength Low Alloy A572-50 Steel, Add	*12.32*	
		For High Strength Low Alloy A588 Steel, Add	*27.37*	
		For Each Additional Top Copes >2, Add	*0.84*	
		For Structural Tees, WT, MT Or ST, Deduct	*-40.03*	
		For Skewed Or Sloped Connections, Add	*16.42*	
05 12 23 00-0250	LF	W24 x 76 A992/A36 Structural Beam Or Girder	130.78	48.80
		For High Strength Low Alloy A572-50 Steel, Add	*11.77*	
		For High Strength Low Alloy A588 Steel, Add	*26.16*	
		For Each Additional Top Copes >2, Add	*0.79*	
		For Structural Tees, WT, MT Or ST, Deduct	*-37.95*	
		For Skewed Or Sloped Connections, Add	*15.69*	
05 12 23 00-0251	LF	W24 x 68 A992/A36 Structural Beam Or Girder	123.15	48.52
		For High Strength Low Alloy A572-50 Steel, Add	*11.08*	
		For High Strength Low Alloy A588 Steel, Add	*24.63*	
		For Each Additional Top Copes >2, Add	*0.71*	
		For Structural Tees, WT, MT Or ST, Deduct	*-35.34*	
		For Skewed Or Sloped Connections, Add	*14.78*	
05 12 23 00-0252	LF	W24 x 62 A992/A36 Structural Beam Or Girder	119.12	48.24
		For High Strength Low Alloy A572-50 Steel, Add	*10.72*	
		For High Strength Low Alloy A588 Steel, Add	*23.82*	
		For Each Additional Top Copes >2, Add	*0.68*	
		For Structural Tees, WT, MT Or ST, Deduct	*-33.97*	
		For Skewed Or Sloped Connections, Add	*14.29*	
05 12 23 00-0253	LF	W24 x 55 A992/A36 Structural Beam Or Girder	113.65	48.06
		For High Strength Low Alloy A572-50 Steel, Add	*10.23*	
		For High Strength Low Alloy A588 Steel, Add	*22.73*	
		For Each Additional Top Copes >2, Add	*0.62*	
		For Structural Tees, WT, MT Or ST, Deduct	*-32.10*	
		For Skewed Or Sloped Connections, Add	*13.64*	
05 12 23 00-0254	LF	W21 x 93 A992/A36 Structural Beam Or Girder	141.79	49.72
		For High Strength Low Alloy A572-50 Steel, Add	*12.76*	
		For High Strength Low Alloy A588 Steel, Add	*28.36*	
		For Each Additional Top Copes >2, Add	*0.89*	
		For Structural Tees, WT, MT Or ST, Deduct	*-41.67*	
		For Skewed Or Sloped Connections, Add	*17.01*	
05 12 23 00-0255	LF	W21 x 83 A992/A36 Structural Beam Or Girder	134.58	49.17
		For High Strength Low Alloy A572-50 Steel, Add	*12.11*	
		For High Strength Low Alloy A588 Steel, Add	*26.92*	
		For Each Additional Top Copes >2, Add	*0.82*	
		For Structural Tees, WT, MT Or ST, Deduct	*-39.23*	
		For Skewed Or Sloped Connections, Add	*16.15*	
05 12 23 00-0256	LF	W21 x 73 A992/A36 Structural Beam Or Girder	125.81	48.80
		For High Strength Low Alloy A572-50 Steel, Add	*11.32*	
		For High Strength Low Alloy A588 Steel, Add	*25.16*	
		For Each Additional Top Copes >2, Add	*0.74*	
		For Structural Tees, WT, MT Or ST, Deduct	*-36.23*	
		For Skewed Or Sloped Connections, Add	*15.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0257	LF	W21 x 68 A992/A36 Structural Beam Or Girder	121.38	48.52
		For High Strength Low Alloy A572-50 Steel, Add	*10.92*	
		For High Strength Low Alloy A588 Steel, Add	*24.28*	
		For Each Additional Top Copes >2, Add	*0.70*	
		For Structural Tees, WT, MT Or ST, Deduct	*-34.72*	
		For Skewed Or Sloped Connections, Add	*14.57*	
05 12 23 00-0258	LF	W21 x 62 A992/A36 Structural Beam Or Girder	117.35	48.24
		For High Strength Low Alloy A572-50 Steel, Add	*10.56*	
		For High Strength Low Alloy A588 Steel, Add	*23.47*	
		For Each Additional Top Copes >2, Add	*0.66*	
		For Structural Tees, WT, MT Or ST, Deduct	*-33.35*	
		For Skewed Or Sloped Connections, Add	*14.08*	
05 12 23 00-0259	LF	W21 x 57 A992/A36 Structural Beam Or Girder	113.74	48.16
		For High Strength Low Alloy A572-50 Steel, Add	*10.24*	
		For High Strength Low Alloy A588 Steel, Add	*22.75*	
		For Each Additional Top Copes >2, Add	*0.62*	
		For Structural Tees, WT, MT Or ST, Deduct	*-32.11*	
		For Skewed Or Sloped Connections, Add	*13.65*	
05 12 23 00-0260	LF	W21 x 50 A992/A36 Structural Beam Or Girder	100.63	41.76
		For High Strength Low Alloy A572-50 Steel, Add	*9.06*	
		For High Strength Low Alloy A588 Steel, Add	*20.13*	
		For Each Additional Top Copes >2, Add	*0.56*	
		For Structural Tees, WT, MT Or ST, Deduct	*-28.53*	
		For Skewed Or Sloped Connections, Add	*12.08*	
05 12 23 00-0261	LF	W21 x 44 A992/A36 Structural Beam Or Girder	96.41	41.58
		For High Strength Low Alloy A572-50 Steel, Add	*8.68*	
		For High Strength Low Alloy A588 Steel, Add	*19.28*	
		For Each Additional Top Copes >2, Add	*0.52*	
		For Structural Tees, WT, MT Or ST, Deduct	*-27.09*	
		For Skewed Or Sloped Connections, Add	*11.57*	
05 12 23 00-0262	LF	W18 x 97 A992/A36 Structural Beam Or Girder	144.69	49.72
		For High Strength Low Alloy A572-50 Steel, Add	*13.02*	
		For High Strength Low Alloy A588 Steel, Add	*28.94*	
		For Each Additional Top Copes >2, Add	*0.92*	
		For Structural Tees, WT, MT Or ST, Deduct	*-42.67*	
		For Skewed Or Sloped Connections, Add	*17.36*	
05 12 23 00-0263	LF	W18 x 86 A992/A36 Structural Beam Or Girder	136.45	49.26
		For High Strength Low Alloy A572-50 Steel, Add	*12.28*	
		For High Strength Low Alloy A588 Steel, Add	*27.29*	
		For Each Additional Top Copes >2, Add	*0.84*	
		For Structural Tees, WT, MT Or ST, Deduct	*-39.87*	
		For Skewed Or Sloped Connections, Add	*16.37*	
05 12 23 00-0264	LF	W18 x 76 A992/A36 Structural Beam Or Girder	129.02	48.80
		For High Strength Low Alloy A572-50 Steel, Add	*11.61*	
		For High Strength Low Alloy A588 Steel, Add	*25.80*	
		For Each Additional Top Copes >2, Add	*0.77*	
		For Structural Tees, WT, MT Or ST, Deduct	*-37.34*	
		For Skewed Or Sloped Connections, Add	*15.48*	
05 12 23 00-0265	LF	W18 x 71 A992/A36 Structural Beam Or Girder	123.63	48.70
		For High Strength Low Alloy A572-50 Steel, Add	*11.13*	
		For High Strength Low Alloy A588 Steel, Add	*24.73*	
		For Each Additional Top Copes >2, Add	*0.72*	
		For Structural Tees, WT, MT Or ST, Deduct	*-35.48*	
		For Skewed Or Sloped Connections, Add	*14.84*	
05 12 23 00-0266	LF	W18 x 65 A992/A36 Structural Beam Or Girder	118.37	48.52
		For High Strength Low Alloy A572-50 Steel, Add	*10.65*	
		For High Strength Low Alloy A588 Steel, Add	*23.67*	
		For Each Additional Top Copes >2, Add	*0.67*	
		For Structural Tees, WT, MT Or ST, Deduct	*-33.68*	
		For Skewed Or Sloped Connections, Add	*14.20*	
05 12 23 00-0267	LF	W18 x 60 A992/A36 Structural Beam Or Girder	113.63	48.16
		For High Strength Low Alloy A572-50 Steel, Add	*10.23*	
		For High Strength Low Alloy A588 Steel, Add	*22.73*	
		For Each Additional Top Copes >2, Add	*0.62*	
		For Structural Tees, WT, MT Or ST, Deduct	*-32.06*	
		For Skewed Or Sloped Connections, Add	*13.64*	
05 12 23 00-0268	LF	W18 x 55 A992/A36 Structural Beam Or Girder	108.87	48.06
		For High Strength Low Alloy A572-50 Steel, Add	*9.80*	
		For High Strength Low Alloy A588 Steel, Add	*21.77*	
		For Each Additional Top Copes >2, Add	*0.58*	
		For Structural Tees, WT, MT Or ST, Deduct	*-30.42*	
		For Skewed Or Sloped Connections, Add	*13.06*	
05 12 23 00-0269	LF	W18 x 50 A992/A36 Structural Beam Or Girder	97.72	41.76
		For High Strength Low Alloy A572-50 Steel, Add	*8.79*	
		For High Strength Low Alloy A588 Steel, Add	*19.54*	
		For Each Additional Top Copes >2, Add	*0.53*	
		For Structural Tees, WT, MT Or ST, Deduct	*-27.51*	
		For Skewed Or Sloped Connections, Add	*11.73*	
05 12 23 00-0270	LF	W18 x 46 A992/A36 Structural Beam Or Girder	94.01	41.67
		For High Strength Low Alloy A572-50 Steel, Add	*8.46*	
		For High Strength Low Alloy A588 Steel, Add	*18.80*	
		For Each Additional Top Copes >2, Add	*0.50*	
		For Structural Tees, WT, MT Or ST, Deduct	*-26.24*	
		For Skewed Or Sloped Connections, Add	*11.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0271	LF	W18 x 40 A992/A36 Structural Beam Or Girder	82.02	35.56
		For High Strength Low Alloy A572-50 Steel, Add	*7.38*	
		For High Strength Low Alloy A588 Steel, Add	*16.40*	
		For Each Additional Top Copes >2, Add	*0.44*	
		For Structural Tees, WT, MT Or ST, Deduct	*-23.01*	
		For Skewed Or Sloped Connections, Add	*9.84*	
05 12 23 00-0272	LF	W18 x 35 A992/A36 Structural Beam Or Girder	77.37	35.46
		For High Strength Low Alloy A572-50 Steel, Add	*6.96*	
		For High Strength Low Alloy A588 Steel, Add	*15.47*	
		For Each Additional Top Copes >2, Add	*0.40*	
		For Structural Tees, WT, MT Or ST, Deduct	*-21.41*	
		For Skewed Or Sloped Connections, Add	*9.28*	
05 12 23 00-0273	LF	W16 x 100 A992/A36 Structural Beam Or Girder	132.83	32.32
		For High Strength Low Alloy A572-50 Steel, Add	*11.95*	
		For High Strength Low Alloy A588 Steel, Add	*26.57*	
		For Each Additional Top Copes >2, Add	*0.98*	
		For Structural Tees, WT, MT Or ST, Deduct	*-41.32*	
		For Skewed Or Sloped Connections, Add	*15.94*	
05 12 23 00-0274	LF	W16 x 89 A992/A36 Structural Beam Or Girder	122.31	31.76
		For High Strength Low Alloy A572-50 Steel, Add	*11.01*	
		For High Strength Low Alloy A588 Steel, Add	*24.46*	
		For Each Additional Top Copes >2, Add	*0.88*	
		For Structural Tees, WT, MT Or ST, Deduct	*-37.73*	
		For Skewed Or Sloped Connections, Add	*14.68*	
05 12 23 00-0275	LF	W16 x 77 A992/A36 Structural Beam Or Girder	111.03	31.39
		For High Strength Low Alloy A572-50 Steel, Add	*9.99*	
		For High Strength Low Alloy A588 Steel, Add	*22.21*	
		For Each Additional Top Copes >2, Add	*0.78*	
		For Structural Tees, WT, MT Or ST, Deduct	*-33.85*	
		For Skewed Or Sloped Connections, Add	*13.32*	
05 12 23 00-0276	LF	W16 x 67 A992/A36 Structural Beam Or Girder	101.43	30.93
		For High Strength Low Alloy A572-50 Steel, Add	*9.13*	
		For High Strength Low Alloy A588 Steel, Add	*20.29*	
		For Each Additional Top Copes >2, Add	*0.68*	
		For Structural Tees, WT, MT Or ST, Deduct	*-30.56*	
		For Skewed Or Sloped Connections, Add	*12.17*	
05 12 23 00-0277	LF	W16 x 57 A992/A36 Structural Beam Or Girder	91.94	30.47
		For High Strength Low Alloy A572-50 Steel, Add	*8.27*	
		For High Strength Low Alloy A588 Steel, Add	*18.39*	
		For Each Additional Top Copes >2, Add	*0.59*	
		For Structural Tees, WT, MT Or ST, Deduct	*-27.30*	
		For Skewed Or Sloped Connections, Add	*11.03*	
05 12 23 00-0278	LF	W16 x 50 A992/A36 Structural Beam Or Girder	85.31	30.19
		For High Strength Low Alloy A572-50 Steel, Add	*7.68*	
		For High Strength Low Alloy A588 Steel, Add	*17.06*	
		For Each Additional Top Copes >2, Add	*0.53*	
		For Structural Tees, WT, MT Or ST, Deduct	*-25.03*	
		For Skewed Or Sloped Connections, Add	*10.24*	
05 12 23 00-0279	LF	W16 x 45 A992/A36 Structural Beam Or Girder	80.66	30.00
		For High Strength Low Alloy A572-50 Steel, Add	*7.26*	
		For High Strength Low Alloy A588 Steel, Add	*16.13*	
		For Each Additional Top Copes >2, Add	*0.49*	
		For Structural Tees, WT, MT Or ST, Deduct	*-23.43*	
		For Skewed Or Sloped Connections, Add	*9.68*	
05 12 23 00-0280	LF	W16 x 40 A992/A36 Structural Beam Or Girder	75.81	29.73
		For High Strength Low Alloy A572-50 Steel, Add	*6.82*	
		For High Strength Low Alloy A588 Steel, Add	*15.16*	
		For Each Additional Top Copes >2, Add	*0.44*	
		For Structural Tees, WT, MT Or ST, Deduct	*-21.77*	
		For Skewed Or Sloped Connections, Add	*9.10*	
05 12 23 00-0281	LF	W16 x 36 A992/A36 Structural Beam Or Girder	72.01	29.54
		For High Strength Low Alloy A572-50 Steel, Add	*6.48*	
		For High Strength Low Alloy A588 Steel, Add	*14.40*	
		For Each Additional Top Copes >2, Add	*0.41*	
		For Structural Tees, WT, MT Or ST, Deduct	*-20.48*	
		For Skewed Or Sloped Connections, Add	*8.64*	
05 12 23 00-0282	LF	W16 x 31 A992/A36 Structural Beam Or Girder	61.05	23.52
		For High Strength Low Alloy A572-50 Steel, Add	*5.49*	
		For High Strength Low Alloy A588 Steel, Add	*12.21*	
		For Each Additional Top Copes >2, Add	*0.36*	
		For Structural Tees, WT, MT Or ST, Deduct	*-17.60*	
		For Skewed Or Sloped Connections, Add	*7.33*	
05 12 23 00-0283	LF	W16 x 26 A992/A36 Structural Beam Or Girder	65.33	23.25
		For High Strength Low Alloy A572-50 Steel, Add	*5.88*	
		For High Strength Low Alloy A588 Steel, Add	*13.07*	
		For Each Additional Top Copes >2, Add	*0.41*	
		For Structural Tees, WT, MT Or ST, Deduct	*-19.14*	
		For Skewed Or Sloped Connections, Add	*7.84*	
05 12 23 00-0284	LF	W14 x 99 A992/A36 Structural Beam Or Girder	125.71	26.49
		For High Strength Low Alloy A572-50 Steel, Add	*11.31*	
		For High Strength Low Alloy A588 Steel, Add	*25.14*	
		For Each Additional Top Copes >2, Add	*0.97*	
		For Structural Tees, WT, MT Or ST, Deduct	*-39.76*	
		For Skewed Or Sloped Connections, Add	*15.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0285	LF	W14 x 90 A992/A36 Structural Beam Or Girder	117.12	26.02
		For High Strength Low Alloy A572-50 Steel, Add	*10.54*	
		For High Strength Low Alloy A588 Steel, Add	*23.42*	
		For Each Additional Top Copes >2, Add	*0.89*	
		For Structural Tees, WT, MT Or ST, Deduct	*-36.83*	
		For Skewed Or Sloped Connections, Add	*14.05*	
05 12 23 00-0286	LF	W14 x 82 A992/A36 Structural Beam Or Girder	109.49	25.74
		For High Strength Low Alloy A572-50 Steel, Add	*9.85*	
		For High Strength Low Alloy A588 Steel, Add	*21.90*	
		For Each Additional Top Copes >2, Add	*0.82*	
		For Structural Tees, WT, MT Or ST, Deduct	*-34.21*	
		For Skewed Or Sloped Connections, Add	*13.14*	
05 12 23 00-0287	LF	W14 x 74 A992/A36 Structural Beam Or Girder	101.86	25.37
		For High Strength Low Alloy A572-50 Steel, Add	*9.17*	
		For High Strength Low Alloy A588 Steel, Add	*20.37*	
		For Each Additional Top Copes >2, Add	*0.75*	
		For Structural Tees, WT, MT Or ST, Deduct	*-31.59*	
		For Skewed Or Sloped Connections, Add	*12.22*	
05 12 23 00-0288	LF	W14 x 68 A992/A36 Structural Beam Or Girder	96.17	25.10
		For High Strength Low Alloy A572-50 Steel, Add	*8.66*	
		For High Strength Low Alloy A588 Steel, Add	*19.23*	
		For Each Additional Top Copes >2, Add	*0.69*	
		For Structural Tees, WT, MT Or ST, Deduct	*-29.65*	
		For Skewed Or Sloped Connections, Add	*11.54*	
05 12 23 00-0289	LF	W14 x 61 A992/A36 Structural Beam Or Girder	89.56	24.81
		For High Strength Low Alloy A572-50 Steel, Add	*8.06*	
		For High Strength Low Alloy A588 Steel, Add	*17.91*	
		For Each Additional Top Copes >2, Add	*0.63*	
		For Structural Tees, WT, MT Or ST, Deduct	*-27.37*	
		For Skewed Or Sloped Connections, Add	*10.75*	
05 12 23 00-0290	LF	W14 x 53 A992/A36 Structural Beam Or Girder	82.01	24.45
		For High Strength Low Alloy A572-50 Steel, Add	*7.38*	
		For High Strength Low Alloy A588 Steel, Add	*16.40*	
		For Each Additional Top Copes >2, Add	*0.56*	
		For Structural Tees, WT, MT Or ST, Deduct	*-24.79*	
		For Skewed Or Sloped Connections, Add	*9.84*	
05 12 23 00-0291	LF	W14 x 48 A992/A36 Structural Beam Or Girder	77.17	24.17
		For High Strength Low Alloy A572-50 Steel, Add	*6.95*	
		For High Strength Low Alloy A588 Steel, Add	*15.43*	
		For Each Additional Top Copes >2, Add	*0.51*	
		For Structural Tees, WT, MT Or ST, Deduct	*-23.13*	
		For Skewed Or Sloped Connections, Add	*9.26*	
05 12 23 00-0292	LF	W14 x 43 A992/A36 Structural Beam Or Girder	72.40	24.08
		For High Strength Low Alloy A572-50 Steel, Add	*6.52*	
		For High Strength Low Alloy A588 Steel, Add	*14.48*	
		For Each Additional Top Copes >2, Add	*0.47*	
		For Structural Tees, WT, MT Or ST, Deduct	*-21.49*	
		For Skewed Or Sloped Connections, Add	*8.69*	
05 12 23 00-0293	LF	W14 x 38 A992/A36 Structural Beam Or Girder	67.66	23.89
		For High Strength Low Alloy A572-50 Steel, Add	*6.09*	
		For High Strength Low Alloy A588 Steel, Add	*13.53*	
		For Each Additional Top Copes >2, Add	*0.42*	
		For Structural Tees, WT, MT Or ST, Deduct	*-19.88*	
		For Skewed Or Sloped Connections, Add	*8.12*	
05 12 23 00-0294	LF	W14 x 34 A992/A36 Structural Beam Or Girder	63.83	23.61
		For High Strength Low Alloy A572-50 Steel, Add	*5.74*	
		For High Strength Low Alloy A588 Steel, Add	*12.77*	
		For Each Additional Top Copes >2, Add	*0.39*	
		For Structural Tees, WT, MT Or ST, Deduct	*-18.56*	
		For Skewed Or Sloped Connections, Add	*7.66*	
05 12 23 00-0295	LF	W14 x 30 A992/A36 Structural Beam Or Girder	60.01	23.52
		For High Strength Low Alloy A572-50 Steel, Add	*5.40*	
		For High Strength Low Alloy A588 Steel, Add	*12.00*	
		For Each Additional Top Copes >2, Add	*0.35*	
		For Structural Tees, WT, MT Or ST, Deduct	*-17.25*	
		For Skewed Or Sloped Connections, Add	*7.20*	
05 12 23 00-0296	LF	W14 x 26 A992/A36 Structural Beam Or Girder	56.19	23.25
		For High Strength Low Alloy A572-50 Steel, Add	*5.06*	
		For High Strength Low Alloy A588 Steel, Add	*11.24*	
		For Each Additional Top Copes >2, Add	*0.31*	
		For Structural Tees, WT, MT Or ST, Deduct	*-15.95*	
		For Skewed Or Sloped Connections, Add	*6.74*	
05 12 23 00-0297	LF	W14 x 22 A992/A36 Structural Beam Or Girder	52.49	23.15
		For High Strength Low Alloy A572-50 Steel, Add	*4.72*	
		For High Strength Low Alloy A588 Steel, Add	*10.50*	
		For Each Additional Top Copes >2, Add	*0.28*	
		For Structural Tees, WT, MT Or ST, Deduct	*-14.68*	
		For Skewed Or Sloped Connections, Add	*6.30*	
05 12 23 00-0298	LF	W12 x 87 A992/A36 Structural Beam Or Girder	114.34	25.93
		For High Strength Low Alloy A572-50 Steel, Add	*10.29*	
		For High Strength Low Alloy A588 Steel, Add	*22.87*	
		For Each Additional Top Copes >2, Add	*0.87*	
		For Structural Tees, WT, MT Or ST, Deduct	*-35.87*	
		For Skewed Or Sloped Connections, Add	*13.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0299	LF	W12 x 79 A992/A36 Structural Beam Or Girder	106.70	25.56
		For High Strength Low Alloy A572-50 Steel, Add	*9.60*	
		For High Strength Low Alloy A588 Steel, Add	*21.34*	
		For Each Additional Top Copes >2, Add	*0.79*	
		For Structural Tees, WT, MT Or ST, Deduct	*-33.25*	
		For Skewed Or Sloped Connections, Add	*12.80*	
05 12 23 00-0300	LF	W12 x 72 A992/A36 Structural Beam Or Girder	99.99	25.28
		For High Strength Low Alloy A572-50 Steel, Add	*9.00*	
		For High Strength Low Alloy A588 Steel, Add	*20.00*	
		For Each Additional Top Copes >2, Add	*0.73*	
		For Structural Tees, WT, MT Or ST, Deduct	*-30.95*	
		For Skewed Or Sloped Connections, Add	*12.00*	
05 12 23 00-0301	LF	W12 x 65 A992/A36 Structural Beam Or Girder	93.37	25.00
		For High Strength Low Alloy A572-50 Steel, Add	*8.40*	
		For High Strength Low Alloy A588 Steel, Add	*18.67*	
		For Each Additional Top Copes >2, Add	*0.67*	
		For Structural Tees, WT, MT Or ST, Deduct	*-28.68*	
		For Skewed Or Sloped Connections, Add	*11.20*	
05 12 23 00-0302	LF	W12 x 58 A992/A36 Structural Beam Or Girder	86.67	24.64
		For High Strength Low Alloy A572-50 Steel, Add	*7.80*	
		For High Strength Low Alloy A588 Steel, Add	*17.33*	
		For Each Additional Top Copes >2, Add	*0.60*	
		For Structural Tees, WT, MT Or ST, Deduct	*-26.39*	
		For Skewed Or Sloped Connections, Add	*10.40*	
05 12 23 00-0303	LF	W12 x 53 A992/A36 Structural Beam Or Girder	82.01	24.45
		For High Strength Low Alloy A572-50 Steel, Add	*7.38*	
		For High Strength Low Alloy A588 Steel, Add	*16.40*	
		For Each Additional Top Copes >2, Add	*0.56*	
		For Structural Tees, WT, MT Or ST, Deduct	*-24.79*	
		For Skewed Or Sloped Connections, Add	*9.84*	
05 12 23 00-0304	LF	W12 x 50 A992/A36 Structural Beam Or Girder	79.02	24.35
		For High Strength Low Alloy A572-50 Steel, Add	*7.11*	
		For High Strength Low Alloy A588 Steel, Add	*15.80*	
		For Each Additional Top Copes >2, Add	*0.53*	
		For Structural Tees, WT, MT Or ST, Deduct	*-23.77*	
		For Skewed Or Sloped Connections, Add	*9.48*	
05 12 23 00-0305	LF	W12 x 45 A992/A36 Structural Beam Or Girder	74.37	24.17
		For High Strength Low Alloy A572-50 Steel, Add	*6.69*	
		For High Strength Low Alloy A588 Steel, Add	*14.87*	
		For Each Additional Top Copes >2, Add	*0.49*	
		For Structural Tees, WT, MT Or ST, Deduct	*-22.17*	
		For Skewed Or Sloped Connections, Add	*8.92*	
05 12 23 00-0306	LF	W12 x 40 A992/A36 Structural Beam Or Girder	63.21	17.96
		For High Strength Low Alloy A572-50 Steel, Add	*5.69*	
		For High Strength Low Alloy A588 Steel, Add	*12.64*	
		For Each Additional Top Copes >2, Add	*0.44*	
		For Structural Tees, WT, MT Or ST, Deduct	*-19.25*	
		For Skewed Or Sloped Connections, Add	*7.59*	
05 12 23 00-0307	LF	W12 x 35 A992/A36 Structural Beam Or Girder	58.57	17.87
		For High Strength Low Alloy A572-50 Steel, Add	*5.27*	
		For High Strength Low Alloy A588 Steel, Add	*11.71*	
		For Each Additional Top Copes >2, Add	*0.40*	
		For Structural Tees, WT, MT Or ST, Deduct	*-17.65*	
		For Skewed Or Sloped Connections, Add	*7.03*	
05 12 23 00-0308	LF	W12 x 30 A992/A36 Structural Beam Or Girder	53.71	17.60
		For High Strength Low Alloy A572-50 Steel, Add	*4.83*	
		For High Strength Low Alloy A588 Steel, Add	*10.74*	
		For Each Additional Top Copes >2, Add	*0.35*	
		For Structural Tees, WT, MT Or ST, Deduct	*-15.99*	
		For Skewed Or Sloped Connections, Add	*6.45*	
05 12 23 00-0309	LF	W12 x 26 A992/A36 Structural Beam Or Girder	49.90	17.41
		For High Strength Low Alloy A572-50 Steel, Add	*4.49*	
		For High Strength Low Alloy A588 Steel, Add	*9.98*	
		For Each Additional Top Copes >2, Add	*0.31*	
		For Structural Tees, WT, MT Or ST, Deduct	*-14.69*	
		For Skewed Or Sloped Connections, Add	*5.99*	
05 12 23 00-0310	LF	W12 x 22 A992/A36 Structural Beam Or Girder	46.18	17.23
		For High Strength Low Alloy A572-50 Steel, Add	*4.16*	
		For High Strength Low Alloy A588 Steel, Add	*9.24*	
		For Each Additional Top Copes >2, Add	*0.28*	
		For Structural Tees, WT, MT Or ST, Deduct	*-13.41*	
		For Skewed Or Sloped Connections, Add	*5.54*	
05 12 23 00-0311	LF	W12 x 19 A992/A36 Structural Beam Or Girder	43.28	17.13
		For High Strength Low Alloy A572-50 Steel, Add	*3.90*	
		For High Strength Low Alloy A588 Steel, Add	*8.66*	
		For Each Additional Top Copes >2, Add	*0.25*	
		For Structural Tees, WT, MT Or ST, Deduct	*-12.41*	
		For Skewed Or Sloped Connections, Add	*5.19*	
05 12 23 00-0312	LF	W12 x 16 A992/A36 Structural Beam Or Girder	40.40	16.85
		For High Strength Low Alloy A572-50 Steel, Add	*3.64*	
		For High Strength Low Alloy A588 Steel, Add	*8.08*	
		For Each Additional Top Copes >2, Add	*0.22*	
		For Structural Tees, WT, MT Or ST, Deduct	*-11.43*	
		For Skewed Or Sloped Connections, Add	*4.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0313	LF	W12 x 14 A992/A36 Structural Beam Or Girder	38.53	16.85
		For High Strength Low Alloy A572-50 Steel, Add	*3.47*	
		For High Strength Low Alloy A588 Steel, Add	*7.71*	
		For Each Additional Top Copes >2, Add	*0.21*	
		For Structural Tees, WT, MT Or ST, Deduct	*-10.79*	
		For Skewed Or Sloped Connections, Add	*4.62*	
05 12 23 00-0314	LF	W10 x 68 A992/A36 Structural Beam Or Girder	90.16	19.35
		For High Strength Low Alloy A572-50 Steel, Add	*8.11*	
		For High Strength Low Alloy A588 Steel, Add	*18.03*	
		For Each Additional Top Copes >2, Add	*0.70*	
		For Structural Tees, WT, MT Or ST, Deduct	*-28.47*	
		For Skewed Or Sloped Connections, Add	*10.82*	
05 12 23 00-0315	LF	W10 x 60 A992/A36 Structural Beam Or Girder	82.62	18.98
		For High Strength Low Alloy A572-50 Steel, Add	*7.44*	
		For High Strength Low Alloy A588 Steel, Add	*16.52*	
		For Each Additional Top Copes >2, Add	*0.62*	
		For Structural Tees, WT, MT Or ST, Deduct	*-25.89*	
		For Skewed Or Sloped Connections, Add	*9.91*	
05 12 23 00-0316	LF	W10 x 54 A992/A36 Structural Beam Or Girder	76.85	18.62
		For High Strength Low Alloy A572-50 Steel, Add	*6.92*	
		For High Strength Low Alloy A588 Steel, Add	*15.37*	
		For Each Additional Top Copes >2, Add	*0.57*	
		For Structural Tees, WT, MT Or ST, Deduct	*-23.91*	
		For Skewed Or Sloped Connections, Add	*9.22*	
05 12 23 00-0317	LF	W10 x 49 A992/A36 Structural Beam Or Girder	72.10	18.43
		For High Strength Low Alloy A572-50 Steel, Add	*6.49*	
		For High Strength Low Alloy A588 Steel, Add	*14.42*	
		For Each Additional Top Copes >2, Add	*0.52*	
		For Structural Tees, WT, MT Or ST, Deduct	*-22.29*	
		For Skewed Or Sloped Connections, Add	*8.65*	
05 12 23 00-0318	LF	W10 x 45 A992/A36 Structural Beam Or Girder	68.28	18.33
		For High Strength Low Alloy A572-50 Steel, Add	*6.15*	
		For High Strength Low Alloy A588 Steel, Add	*13.66*	
		For Each Additional Top Copes >2, Add	*0.49*	
		For Structural Tees, WT, MT Or ST, Deduct	*-20.98*	
		For Skewed Or Sloped Connections, Add	*8.19*	
05 12 23 00-0319	LF	W10 x 39 A992/A36 Structural Beam Or Girder	62.59	17.96
		For High Strength Low Alloy A572-50 Steel, Add	*5.63*	
		For High Strength Low Alloy A588 Steel, Add	*12.52*	
		For Each Additional Top Copes >2, Add	*0.43*	
		For Structural Tees, WT, MT Or ST, Deduct	*-19.03*	
		For Skewed Or Sloped Connections, Add	*7.51*	
05 12 23 00-0320	LF	W10 x 33 A992/A36 Structural Beam Or Girder	56.92	17.69
		For High Strength Low Alloy A572-50 Steel, Add	*5.12*	
		For High Strength Low Alloy A588 Steel, Add	*11.38*	
		For Each Additional Top Copes >2, Add	*0.38*	
		For Structural Tees, WT, MT Or ST, Deduct	*-17.09*	
		For Skewed Or Sloped Connections, Add	*6.83*	
05 12 23 00-0321	LF	W10 x 30 A992/A36 Structural Beam Or Girder	54.02	17.60
		For High Strength Low Alloy A572-50 Steel, Add	*4.86*	
		For High Strength Low Alloy A588 Steel, Add	*10.80*	
		For Each Additional Top Copes >2, Add	*0.35*	
		For Structural Tees, WT, MT Or ST, Deduct	*-16.09*	
		For Skewed Or Sloped Connections, Add	*6.48*	
05 12 23 00-0322	LF	W10 x 26 A992/A36 Structural Beam Or Girder	50.31	17.50
		For High Strength Low Alloy A572-50 Steel, Add	*4.53*	
		For High Strength Low Alloy A588 Steel, Add	*10.06*	
		For Each Additional Top Copes >2, Add	*0.32*	
		For Structural Tees, WT, MT Or ST, Deduct	*-14.82*	
		For Skewed Or Sloped Connections, Add	*6.04*	
05 12 23 00-0323	LF	W10 x 22 A992/A36 Structural Beam Or Girder	46.38	17.23
		For High Strength Low Alloy A572-50 Steel, Add	*4.17*	
		For High Strength Low Alloy A588 Steel, Add	*9.28*	
		For Each Additional Top Copes >2, Add	*0.28*	
		For Structural Tees, WT, MT Or ST, Deduct	*-13.48*	
		For Skewed Or Sloped Connections, Add	*5.57*	
05 12 23 00-0324	LF	W10 x 19 A992/A36 Structural Beam Or Girder	43.59	17.13
		For High Strength Low Alloy A572-50 Steel, Add	*3.92*	
		For High Strength Low Alloy A588 Steel, Add	*8.72*	
		For Each Additional Top Copes >2, Add	*0.25*	
		For Structural Tees, WT, MT Or ST, Deduct	*-12.52*	
		For Skewed Or Sloped Connections, Add	*5.23*	
05 12 23 00-0325	LF	W10 x 17 A992/A36 Structural Beam Or Girder	41.63	17.04
		For High Strength Low Alloy A572-50 Steel, Add	*3.75*	
		For High Strength Low Alloy A588 Steel, Add	*8.33*	
		For Each Additional Top Copes >2, Add	*0.23*	
		For Structural Tees, WT, MT Or ST, Deduct	*-11.85*	
		For Skewed Or Sloped Connections, Add	*5.00*	
05 12 23 00-0326	LF	W10 x 15 A992/A36 Structural Beam Or Girder	39.78	16.85
		For High Strength Low Alloy A572-50 Steel, Add	*3.58*	
		For High Strength Low Alloy A588 Steel, Add	*7.96*	
		For Each Additional Top Copes >2, Add	*0.22*	
		For Structural Tees, WT, MT Or ST, Deduct	*-11.21*	
		For Skewed Or Sloped Connections, Add	*4.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0327	LF	W10 x 12 A992/A36 Structural Beam Or Girder	36.97	16.85
		For High Strength Low Alloy A572-50 Steel, Add	*3.33*	
		For High Strength Low Alloy A588 Steel, Add	*7.39*	
		For Each Additional Top Copes >2, Add	*0.19*	
		For Structural Tees, WT, MT Or ST, Deduct	*-10.25*	
		For Skewed Or Sloped Connections, Add	*4.44*	
05 12 23 00-0328	LF	W8 x 35 A992/A36 Structural Beam Or Girder	58.77	17.87
		For High Strength Low Alloy A572-50 Steel, Add	*5.29*	
		For High Strength Low Alloy A588 Steel, Add	*11.75*	
		For Each Additional Top Copes >2, Add	*0.40*	
		For Structural Tees, WT, MT Or ST, Deduct	*-17.72*	
		For Skewed Or Sloped Connections, Add	*7.05*	
05 12 23 00-0329	LF	W8 x 31 A992/A36 Structural Beam Or Girder	54.96	17.60
		For High Strength Low Alloy A572-50 Steel, Add	*4.95*	
		For High Strength Low Alloy A588 Steel, Add	*10.99*	
		For Each Additional Top Copes >2, Add	*0.36*	
		For Structural Tees, WT, MT Or ST, Deduct	*-16.42*	
		For Skewed Or Sloped Connections, Add	*6.60*	
05 12 23 00-0330	LF	W8 x 28 A992/A36 Structural Beam Or Girder	51.14	16.57
		For High Strength Low Alloy A572-50 Steel, Add	*4.60*	
		For High Strength Low Alloy A588 Steel, Add	*10.23*	
		For Each Additional Top Copes >2, Add	*0.33*	
		For Structural Tees, WT, MT Or ST, Deduct	*-15.25*	
		For Skewed Or Sloped Connections, Add	*6.14*	
05 12 23 00-0331	LF	W8 x 24 A992/A36 Structural Beam Or Girder	46.71	15.55
		For High Strength Low Alloy A572-50 Steel, Add	*4.20*	
		For High Strength Low Alloy A588 Steel, Add	*9.34*	
		For Each Additional Top Copes >2, Add	*0.30*	
		For Structural Tees, WT, MT Or ST, Deduct	*-13.86*	
		For Skewed Or Sloped Connections, Add	*5.61*	
05 12 23 00-0332	LF	W8 x 21 A992/A36 Structural Beam Or Girder	43.48	14.45
		For High Strength Low Alloy A572-50 Steel, Add	*3.91*	
		For High Strength Low Alloy A588 Steel, Add	*8.70*	
		For Each Additional Top Copes >2, Add	*0.28*	
		For Structural Tees, WT, MT Or ST, Deduct	*-12.90*	
		For Skewed Or Sloped Connections, Add	*5.22*	
05 12 23 00-0333	LF	W8 x 18 A992/A36 Structural Beam Or Girder	38.20	13.43
		For High Strength Low Alloy A572-50 Steel, Add	*3.44*	
		For High Strength Low Alloy A588 Steel, Add	*7.64*	
		For Each Additional Top Copes >2, Add	*0.24*	
		For Structural Tees, WT, MT Or ST, Deduct	*-11.22*	
		For Skewed Or Sloped Connections, Add	*4.58*	
05 12 23 00-0334	LF	W8 x 10 A992/A36 Structural Beam Or Girder	22.93	9.63
		For High Strength Low Alloy A572-50 Steel, Add	*2.06*	
		For High Strength Low Alloy A588 Steel, Add	*4.59*	
		For Each Additional Top Copes >2, Add	*0.13*	
		For Structural Tees, WT, MT Or ST, Deduct	*-6.50*	
		For Skewed Or Sloped Connections, Add	*2.75*	
05 12 23 00-0335	LF	W6 x 9 A992/A36 Structural Beam Or Girder	20.90	7.87
		For High Strength Low Alloy A572-50 Steel, Add	*1.88*	
		For High Strength Low Alloy A588 Steel, Add	*4.18*	
		For Each Additional Top Copes >2, Add	*0.13*	
		For Structural Tees, WT, MT Or ST, Deduct	*-6.07*	
		For Skewed Or Sloped Connections, Add	*2.51*	

05 12 23 00-0336 Angle Iron *(05 12 23 00-0146)*

05 12 23 00-0337 1/8" Thick *(05 12 23 00-0336)*

05 12 23 00-0338	LF	1/2" x 1/2" x 1/8" Angle Iron	2.05	1.34
		For >100 To 250, Deduct	*-0.13*	
		For >250 To 500, Deduct	*-0.19*	
		For >500 To 1,000, Deduct	*-0.28*	
		For >1,000, Deduct	*-0.38*	
		For 316 Stainless Steel, Add	*0.83*	
		For Aluminum, Add	*0.05*	
		For Galvanized Steel, Add	*0.16*	
		For 304 Stainless Steel, Add	*0.74*	
		For High Strength Steel (HSS), Add	*0.41*	
05 12 23 00-0339	LF	3/4" x 1/2" x 1/8" Angle Iron	2.35	1.52
		For >100 To 250, Deduct	*-0.15*	
		For >250 To 500, Deduct	*-0.21*	
		For >500 To 1,000, Deduct	*-0.32*	
		For >1,000, Deduct	*-0.43*	
		For 316 Stainless Steel, Add	*1.06*	
		For Aluminum, Add	*0.06*	
		For Galvanized Steel, Add	*0.20*	
		For 304 Stainless Steel, Add	*0.94*	
		For High Strength Steel (HSS), Add	*0.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0340	LF	3/4" x 3/4" x 1/8" Angle Iron	2.64	1.68
		For >100 To 250, Deduct	*-0.17*	
		For >250 To 500, Deduct	*-0.23*	
		For >500 To 1,000, Deduct	*-0.36*	
		For >1,000, Deduct	*-0.48*	
		For 316 Stainless Steel, Add	*1.31*	
		For Aluminum, Add	*0.07*	
		For Galvanized Steel, Add	*0.25*	
		For 304 Stainless Steel, Add	*1.17*	
		For High Strength Steel (HSS), Add	*0.53*	
05 12 23 00-0341	LF	1" x 3/4" x 1/8" Angle Iron	2.97	1.86
		For >100 To 250, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.26*	
		For >500 To 1,000, Deduct	*-0.40*	
		For >1,000, Deduct	*-0.53*	
		For 316 Stainless Steel, Add	*1.54*	
		For Aluminum, Add	*0.09*	
		For Galvanized Steel, Add	*0.30*	
		For 304 Stainless Steel, Add	*1.37*	
		For High Strength Steel (HSS), Add	*0.59*	
05 12 23 00-0342	LF	1" x 1" x 1/8" Angle Iron	3.25	2.01
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.28*	
		For >500 To 1,000, Deduct	*-0.43*	
		For >1,000, Deduct	*-0.58*	
		For 316 Stainless Steel, Add	*1.79*	
		For Aluminum, Add	*0.10*	
		For Galvanized Steel, Add	*0.35*	
		For 304 Stainless Steel, Add	*1.60*	
		For High Strength Steel (HSS), Add	*0.65*	
05 12 23 00-0343	LF	1-1/4" x 1-1/4" x 1/8" Angle Iron	3.86	2.37
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.33*	
		For >500 To 1,000, Deduct	*-0.51*	
		For >1,000, Deduct	*-0.68*	
		For 316 Stainless Steel, Add	*2.24*	
		For Aluminum, Add	*0.13*	
		For Galvanized Steel, Add	*0.43*	
		For 304 Stainless Steel, Add	*2.00*	
		For High Strength Steel (HSS), Add	*0.77*	
05 12 23 00-0344	LF	1-1/2" x 1" x 1/8" Angle Iron	3.86	2.37
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.33*	
		For >500 To 1,000, Deduct	*-0.51*	
		For >1,000, Deduct	*-0.68*	
		For 316 Stainless Steel, Add	*2.24*	
		For Aluminum, Add	*0.13*	
		For Galvanized Steel, Add	*0.43*	
		For 304 Stainless Steel, Add	*2.00*	
		For High Strength Steel (HSS), Add	*0.77*	
05 12 23 00-0345	LF	1-1/2" x 1-1/2" x 1/8" Angle Iron	4.63	2.84
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.40*	
		For >500 To 1,000, Deduct	*-0.61*	
		For >1,000, Deduct	*-0.82*	
		For 316 Stainless Steel, Add	*2.72*	
		For Aluminum, Add	*0.15*	
		For Galvanized Steel, Add	*0.53*	
		For 304 Stainless Steel, Add	*2.42*	
		For High Strength Steel (HSS), Add	*0.93*	
05 12 23 00-0346	LF	2" x 2" x 1/8" Angle Iron	6.29	3.86
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.54*	
		For >500 To 1,000, Deduct	*-0.83*	
		For >1,000, Deduct	*-1.11*	
		For 316 Stainless Steel, Add	*3.68*	
		For Aluminum, Add	*0.21*	
		For Galvanized Steel, Add	*0.71*	
		For 304 Stainless Steel, Add	*3.28*	
		For High Strength Steel (HSS), Add	*1.26*	

05 12 23 00-0347 3/16" Thick *(05 12 23 00-0336)*

05 12 23 00-0348	LF	1-1/4" x 1-1/4" x 3/16" Angle Iron	4.37	2.51
		For >100 To 250, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.36*	
		For >500 To 1,000, Deduct	*-0.55*	
		For >1,000, Deduct	*-0.75*	
		For 316 Stainless Steel, Add	*3.30*	
		For Aluminum, Add	*0.19*	
		For Galvanized Steel, Add	*0.64*	
		For 304 Stainless Steel, Add	*2.94*	
		For High Strength Steel (HSS), Add	*0.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0349	LF	1-1/2" x 1" x 3/16" Angle Iron	4.37	2.51
		For >100 To 250, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.36*	
		For >500 To 1,000, Deduct	*-0.55*	
		For >1,000, Deduct	*-0.75*	
		For 316 Stainless Steel, Add	*3.30*	
		For Aluminum, Add	*0.19*	
		For Galvanized Steel, Add	*0.64*	
		For 304 Stainless Steel, Add	*2.94*	
		For High Strength Steel (HSS), Add	*0.87*	
05 12 23 00-0350	LF	1-1/2" x 1-1/2" x 3/16" Angle Iron	4.82	2.69
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.39*	
		For >500 To 1,000, Deduct	*-0.60*	
		For >1,000, Deduct	*-0.81*	
		For 316 Stainless Steel, Add	*4.00*	
		For Aluminum, Add	*0.23*	
		For Galvanized Steel, Add	*0.78*	
		For 304 Stainless Steel, Add	*3.56*	
		For High Strength Steel (HSS), Add	*0.96*	
05 12 23 00-0351	LF	2" x 2" x 3/16" Angle Iron	5.53	2.88
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.43*	
		For >500 To 1,000, Deduct	*-0.66*	
		For >1,000, Deduct	*-0.89*	
		For 316 Stainless Steel, Add	*5.44*	
		For Aluminum, Add	*0.31*	
		For Galvanized Steel, Add	*1.05*	
		For 304 Stainless Steel, Add	*4.85*	
		For High Strength Steel (HSS), Add	*1.11*	
05 12 23 00-0352	LF	2-1/2" x 2" x 3/16" Angle Iron	6.03	3.08
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.46*	
		For >500 To 1,000, Deduct	*-0.71*	
		For >1,000, Deduct	*-0.97*	
		For 316 Stainless Steel, Add	*6.14*	
		For Aluminum, Add	*0.35*	
		For Galvanized Steel, Add	*1.19*	
		For 304 Stainless Steel, Add	*5.47*	
		For High Strength Steel (HSS), Add	*1.21*	
05 12 23 00-0353	LF	2-1/2" x 2-1/2" x 3/16" Angle Iron	6.55	3.30
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.49*	
		For >500 To 1,000, Deduct	*-0.77*	
		For >1,000, Deduct	*-1.04*	
		For 316 Stainless Steel, Add	*6.88*	
		For Aluminum, Add	*0.39*	
		For Galvanized Steel, Add	*1.33*	
		For 304 Stainless Steel, Add	*6.13*	
		For High Strength Steel (HSS), Add	*1.31*	
05 12 23 00-0354	LF	3" x 2" x 3/16" Angle Iron	6.54	3.30
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.49*	
		For >500 To 1,000, Deduct	*-0.77*	
		For >1,000, Deduct	*-1.04*	
		For 316 Stainless Steel, Add	*6.85*	
		For Aluminum, Add	*0.39*	
		For Galvanized Steel, Add	*1.33*	
		For 304 Stainless Steel, Add	*6.10*	
		For High Strength Steel (HSS), Add	*1.31*	
05 12 23 00-0355	LF	3" x 2-1/2" x 3/16" Angle Iron	7.23	3.64
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.55*	
		For >500 To 1,000, Deduct	*-0.85*	
		For >1,000, Deduct	*-1.15*	
		For 316 Stainless Steel, Add	*7.58*	
		For Aluminum, Add	*0.43*	
		For Galvanized Steel, Add	*1.47*	
		For 304 Stainless Steel, Add	*6.75*	
		For High Strength Steel (HSS), Add	*1.45*	
05 12 23 00-0356	LF	3" x 3" x 3/16" Angle Iron	7.90	3.99
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 500, Deduct	*-0.60*	
		For >500 To 1,000, Deduct	*-0.93*	
		For >1,000, Deduct	*-1.26*	
		For 316 Stainless Steel, Add	*8.29*	
		For Aluminum, Add	*0.47*	
		For Galvanized Steel, Add	*1.61*	
		For 304 Stainless Steel, Add	*7.38*	
		For High Strength Steel (HSS), Add	*1.58*	

05 12 23 00-0357 1/4" Thick *(05 12 23 00-0336)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0358	LF	1-1/2" x 1" x 1/4" Angle Iron	4.85	2.65
		For >100 To 250, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.39*	
		For >500 To 1,000, Deduct	*-0.60*	
		For >1,000, Deduct	*-0.81*	
		For 316 Stainless Steel, Add	*4.22*	
		For Aluminum, Add	*0.24*	
		For Galvanized Steel, Add	*0.82*	
		For 304 Stainless Steel, Add	*3.76*	
		For High Strength Steel (HSS), Add	*0.97*	
05 12 23 00-0359	LF	1-1/2" x 1-1/2" x 1/4" Angle Iron	5.39	2.83
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.42*	
		For >500 To 1,000, Deduct	*-0.65*	
		For >1,000, Deduct	*-0.88*	
		For 316 Stainless Steel, Add	*5.18*	
		For Aluminum, Add	*0.29*	
		For Galvanized Steel, Add	*1.00*	
		For 304 Stainless Steel, Add	*4.62*	
		For High Strength Steel (HSS), Add	*1.08*	
05 12 23 00-0360	LF	2" x 2" x 1/4" Angle Iron	6.25	3.02
		For >100 To 250, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-0.46*	
		For >500 To 1,000, Deduct	*-0.72*	
		For >1,000, Deduct	*-0.97*	
		For 316 Stainless Steel, Add	*7.10*	
		For Aluminum, Add	*0.40*	
		For Galvanized Steel, Add	*1.38*	
		For 304 Stainless Steel, Add	*6.33*	
		For High Strength Steel (HSS), Add	*1.25*	
05 12 23 00-0361	LF	2-1/2" x 2" x 1/4" Angle Iron	6.99	3.34
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.51*	
		For >500 To 1,000, Deduct	*-0.80*	
		For >1,000, Deduct	*-1.08*	
		For 316 Stainless Steel, Add	*8.10*	
		For Aluminum, Add	*0.46*	
		For Galvanized Steel, Add	*1.57*	
		For 304 Stainless Steel, Add	*7.21*	
		For High Strength Steel (HSS), Add	*1.40*	
05 12 23 00-0362	LF	2-1/2" x 2-1/2" x 1/4" Angle Iron	7.75	3.66
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.56*	
		For >500 To 1,000, Deduct	*-0.88*	
		For >1,000, Deduct	*-1.19*	
		For 316 Stainless Steel, Add	*9.15*	
		For Aluminum, Add	*0.51*	
		For Galvanized Steel, Add	*1.77*	
		For 304 Stainless Steel, Add	*8.15*	
		For High Strength Steel (HSS), Add	*1.55*	
05 12 23 00-0363	LF	3" x 2" x 1/4" Angle Iron	7.75	3.66
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.56*	
		For >500 To 1,000, Deduct	*-0.88*	
		For >1,000, Deduct	*-1.19*	
		For 316 Stainless Steel, Add	*9.15*	
		For Aluminum, Add	*0.51*	
		For Galvanized Steel, Add	*1.77*	
		For 304 Stainless Steel, Add	*8.15*	
		For High Strength Steel (HSS), Add	*1.55*	
05 12 23 00-0364	LF	3" x 2-1/2" x 1/4" Angle Iron	8.57	4.07
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.62*	
		For >500 To 1,000, Deduct	*-0.97*	
		For >1,000, Deduct	*-1.32*	
		For 316 Stainless Steel, Add	*10.05*	
		For Aluminum, Add	*0.57*	
		For Galvanized Steel, Add	*1.95*	
		For 304 Stainless Steel, Add	*8.95*	
		For High Strength Steel (HSS), Add	*1.71*	
05 12 23 00-0365	LF	3" x 3" x 1/4" Angle Iron	9.37	4.47
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.68*	
		For >500 To 1,000, Deduct	*-1.06*	
		For >1,000, Deduct	*-1.45*	
		For 316 Stainless Steel, Add	*10.91*	
		For Aluminum, Add	*0.61*	
		For Galvanized Steel, Add	*2.11*	
		For 304 Stainless Steel, Add	*9.72*	
		For High Strength Steel (HSS), Add	*1.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0366	LF	3-1/2" x 3" x 1/4" Angle Iron	10.17	4.81
		For >100 To 250, Deduct	*-0.48*	
		For >250 To 500, Deduct	*-0.74*	
		For >500 To 1,000, Deduct	*-1.15*	
		For >1,000, Deduct	*-1.56*	
		For 316 Stainless Steel, Add	*12.03*	
		For Aluminum, Add	*0.68*	
		For Galvanized Steel, Add	*2.33*	
		For 304 Stainless Steel, Add	*10.72*	
		For High Strength Steel (HSS), Add	*2.03*	
05 12 23 00-0367	LF	3-1/2" x 3-1/2" x 1/4" Angle Iron	10.74	0.50
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.77*	
		For >500 To 1,000, Deduct	*-1.21*	
		For >1,000, Deduct	*-1.64*	
		For 316 Stainless Steel, Add	*12.96*	
		For Aluminum, Add	*0.73*	
		For Galvanized Steel, Add	*2.51*	
		For 304 Stainless Steel, Add	*11.54*	
		For High Strength Steel (HSS), Add	*2.15*	
05 12 23 00-0368	LF	4" x 3" x 1/4" Angle Iron	10.74	5.02
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.77*	
		For >500 To 1,000, Deduct	*-1.21*	
		For >1,000, Deduct	*-1.64*	
		For 316 Stainless Steel, Add	*12.96*	
		For Aluminum, Add	*0.73*	
		For Galvanized Steel, Add	*2.51*	
		For 304 Stainless Steel, Add	*11.54*	
		For High Strength Steel (HSS), Add	*2.15*	
05 12 23 00-0369	LF	4" x 3-1/2" x 1/4" Angle Iron	11.30	5.23
		For >100 To 250, Deduct	*-0.52*	
		For >250 To 500, Deduct	*-0.81*	
		For >500 To 1,000, Deduct	*-1.26*	
		For >1,000, Deduct	*-1.72*	
		For 316 Stainless Steel, Add	*13.82*	
		For Aluminum, Add	*0.78*	
		For Galvanized Steel, Add	*2.68*	
		For 304 Stainless Steel, Add	*12.31*	
		For High Strength Steel (HSS), Add	*2.26*	
05 12 23 00-0370	LF	4" x 4" x 1/4" Angle Iron	11.89	5.46
		For >100 To 250, Deduct	*-0.55*	
		For >250 To 500, Deduct	*-0.84*	
		For >500 To 1,000, Deduct	*-1.32*	
		For >1,000, Deduct	*-1.80*	
		For 316 Stainless Steel, Add	*14.75*	
		For Aluminum, Add	*0.83*	
		For Galvanized Steel, Add	*2.86*	
		For 304 Stainless Steel, Add	*13.14*	
		For High Strength Steel (HSS), Add	*2.38*	
05 12 23 00-0371	LF	5" x 3" x 1/4" Angle Iron	11.89	5.46
		For >100 To 250, Deduct	*-0.55*	
		For >250 To 500, Deduct	*-0.84*	
		For >500 To 1,000, Deduct	*-1.32*	
		For >1,000, Deduct	*-1.80*	
		For 316 Stainless Steel, Add	*14.75*	
		For Aluminum, Add	*0.83*	
		For Galvanized Steel, Add	*2.86*	
		For 304 Stainless Steel, Add	*13.14*	
		For High Strength Steel (HSS), Add	*2.38*	
05 12 23 00-0372	LF	5" x 3-1/2" x 1/4" Angle Iron	12.55	5.75
		For >100 To 250, Deduct	*-0.58*	
		For >250 To 500, Deduct	*-0.89*	
		For >500 To 1,000, Deduct	*-1.39*	
		For >1,000, Deduct	*-1.90*	
		For 316 Stainless Steel, Add	*15.62*	
		For Aluminum, Add	*0.88*	
		For Galvanized Steel, Add	*3.03*	
		For 304 Stainless Steel, Add	*13.91*	
		For High Strength Steel (HSS), Add	*2.51*	

05 12 23 00-0373 5/16" Thick *(05 12 23 00-0336)*

05 12 23 00-0374	LF	2-1/2" x 2" x 5/16" Angle Iron	8.32	3.89
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.60*	
		For >500 To 1,000, Deduct	*-0.93*	
		For >1,000, Deduct	*-1.27*	
		For 316 Stainless Steel, Add	*10.05*	
		For Aluminum, Add	*0.57*	
		For Galvanized Steel, Add	*1.95*	
		For 304 Stainless Steel, Add	*8.95*	
		For High Strength Steel (HSS), Add	*1.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0375	LF	2-1/2" x 2-1/2" x 5/16" Angle Iron	8.99	4.12
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.64*	
		For >500 To 1,000, Deduct	*-1.00*	
		For >1,000, Deduct	*-1.36*	
		For 316 Stainless Steel, Add	*11.17*	
		For Aluminum, Add	*0.63*	
		For Galvanized Steel, Add	*2.16*	
		For 304 Stainless Steel, Add	*9.95*	
		For High Strength Steel (HSS), Add	*1.80*	
05 12 23 00-0376	LF	3" x 2" x 5/16" Angle Iron	8.99	4.12
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.64*	
		For >500 To 1,000, Deduct	*-1.00*	
		For >1,000, Deduct	*-1.36*	
		For 316 Stainless Steel, Add	*11.17*	
		For Aluminum, Add	*0.63*	
		For Galvanized Steel, Add	*2.16*	
		For 304 Stainless Steel, Add	*9.95*	
		For High Strength Steel (HSS), Add	*1.80*	
05 12 23 00-0377	LF	3" x 2-1/2" x 5/16" Angle Iron	9.94	4.52
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.70*	
		For >500 To 1,000, Deduct	*-1.10*	
		For >1,000, Deduct	*-1.50*	
		For 316 Stainless Steel, Add	*12.51*	
		For Aluminum, Add	*0.70*	
		For Galvanized Steel, Add	*2.42*	
		For 304 Stainless Steel, Add	*11.14*	
		For High Strength Steel (HSS), Add	*1.99*	
05 12 23 00-0378	LF	3" x 3" x 5/16" Angle Iron	10.81	4.91
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.76*	
		For >500 To 1,000, Deduct	*-1.20*	
		For >1,000, Deduct	*-1.63*	
		For 316 Stainless Steel, Add	*13.63*	
		For Aluminum, Add	*0.77*	
		For Galvanized Steel, Add	*2.64*	
		For 304 Stainless Steel, Add	*12.14*	
		For High Strength Steel (HSS), Add	*2.16*	
05 12 23 00-0379	LF	3-1/2" x 3" x 5/16" Angle Iron	11.49	5.16
		For >100 To 250, Deduct	*-0.52*	
		For >250 To 500, Deduct	*-0.80*	
		For >500 To 1,000, Deduct	*-1.26*	
		For >1,000, Deduct	*-1.72*	
		For 316 Stainless Steel, Add	*14.75*	
		For Aluminum, Add	*0.83*	
		For Galvanized Steel, Add	*2.86*	
		For 304 Stainless Steel, Add	*13.14*	
		For High Strength Steel (HSS), Add	*2.30*	
05 12 23 00-0380	LF	3-1/2" x 3-1/2" x 5/16" Angle Iron	12.24	5.42
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-0.85*	
		For >500 To 1,000, Deduct	*-1.33*	
		For >1,000, Deduct	*-1.82*	
		For 316 Stainless Steel, Add	*16.06*	
		For Aluminum, Add	*0.90*	
		For Galvanized Steel, Add	*3.11*	
		For 304 Stainless Steel, Add	*14.31*	
		For High Strength Steel (HSS), Add	*2.45*	
05 12 23 00-0381	LF	4" x 3" x 5/16" Angle Iron	12.24	5.42
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-0.85*	
		For >500 To 1,000, Deduct	*-1.33*	
		For >1,000, Deduct	*-1.82*	
		For 316 Stainless Steel, Add	*16.06*	
		For Aluminum, Add	*0.90*	
		For Galvanized Steel, Add	*3.11*	
		For 304 Stainless Steel, Add	*14.31*	
		For High Strength Steel (HSS), Add	*2.45*	
05 12 23 00-0382	LF	4" x 3-1/2" x 5/16" Angle Iron	12.99	5.73
		For >100 To 250, Deduct	*-0.57*	
		For >250 To 500, Deduct	*-0.90*	
		For >500 To 1,000, Deduct	*-1.41*	
		For >1,000, Deduct	*-1.93*	
		For 316 Stainless Steel, Add	*17.15*	
		For Aluminum, Add	*0.96*	
		For Galvanized Steel, Add	*3.32*	
		For 304 Stainless Steel, Add	*15.28*	
		For High Strength Steel (HSS), Add	*2.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0383	LF	4" x 4" x 5/16" Angle Iron	13.70	5.98
		For >100 To 250, Deduct	*-0.60*	
		For >250 To 500, Deduct	*-0.94*	
		For >500 To 1,000, Deduct	*-1.48*	
		For >1,000, Deduct	*-2.02*	
		For 316 Stainless Steel, Add	*18.34*	
		For Aluminum, Add	*1.03*	
		For Galvanized Steel, Add	*3.55*	
		For 304 Stainless Steel, Add	*16.33*	
		For High Strength Steel (HSS), Add	*2.74*	
05 12 23 00-0384	LF	5" x 3" x 5/16" Angle Iron	13.70	5.98
		For >100 To 250, Deduct	*-0.60*	
		For >250 To 500, Deduct	*-0.94*	
		For >500 To 1,000, Deduct	*-1.48*	
		For >1,000, Deduct	*-2.02*	
		For 316 Stainless Steel, Add	*18.34*	
		For Aluminum, Add	*1.03*	
		For Galvanized Steel, Add	*3.55*	
		For 304 Stainless Steel, Add	*16.33*	
		For High Strength Steel (HSS), Add	*2.74*	
05 12 23 00-0385	LF	5" x 3-1/2" x 5/16" Angle Iron	14.36	6.23
		For >100 To 250, Deduct	*-0.62*	
		For >250 To 500, Deduct	*-0.98*	
		For >500 To 1,000, Deduct	*-1.55*	
		For >1,000, Deduct	*-2.11*	
		For 316 Stainless Steel, Add	*19.39*	
		For Aluminum, Add	*1.09*	
		For Galvanized Steel, Add	*3.76*	
		For 304 Stainless Steel, Add	*17.27*	
		For High Strength Steel (HSS), Add	*2.87*	
05 12 23 00-0386	LF	5" x 5" x 5/16" Angle Iron	15.85	6.49
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-1.05*	
		For >500 To 1,000, Deduct	*-1.66*	
		For >1,000, Deduct	*-2.27*	
		For 316 Stainless Steel, Add	*23.01*	
		For Aluminum, Add	*1.29*	
		For Galvanized Steel, Add	*4.46*	
		For 304 Stainless Steel, Add	*20.49*	
		For High Strength Steel (HSS), Add	*3.17*	
05 12 23 00-0387	LF	6" x 3-1/2" x 5/16" Angle Iron	15.85	6.76
		For >100 To 250, Deduct	*-0.68*	
		For >250 To 500, Deduct	*-1.07*	
		For >500 To 1,000, Deduct	*-1.69*	
		For >1,000, Deduct	*-2.32*	
		For 316 Stainless Steel, Add	*21.86*	
		For Aluminum, Add	*1.23*	
		For Galvanized Steel, Add	*4.23*	
		For 304 Stainless Steel, Add	*19.47*	
		For High Strength Steel (HSS), Add	*3.17*	
05 12 23 00-0388		3/8" Thick *(05 12 23 00-0336)*		
05 12 23 00-0389	LF	3" x 2" x 3/8" Angle Iron	9.86	4.31
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.68*	
		For >500 To 1,000, Deduct	*-1.07*	
		For >1,000, Deduct	*-1.46*	
		For 316 Stainless Steel, Add	*13.15*	
		For Aluminum, Add	*0.74*	
		For Galvanized Steel, Add	*2.55*	
		For 304 Stainless Steel, Add	*11.71*	
		For High Strength Steel (HSS), Add	*1.97*	
05 12 23 00-0390	LF	3" x 2-1/2" x 3/8" Angle Iron	10.84	4.67
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.74*	
		For >500 To 1,000, Deduct	*-1.17*	
		For >1,000, Deduct	*-1.59*	
		For 316 Stainless Steel, Add	*14.75*	
		For Aluminum, Add	*0.83*	
		For Galvanized Steel, Add	*2.86*	
		For 304 Stainless Steel, Add	*13.14*	
		For High Strength Steel (HSS), Add	*2.17*	
05 12 23 00-0391	LF	3" x 3" x 3/8" Angle Iron	11.72	5.03
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.80*	
		For >500 To 1,000, Deduct	*-1.26*	
		For >1,000, Deduct	*-1.72*	
		For 316 Stainless Steel, Add	*16.06*	
		For Aluminum, Add	*0.90*	
		For Galvanized Steel, Add	*3.11*	
		For 304 Stainless Steel, Add	*14.31*	
		For High Strength Steel (HSS), Add	*2.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0392	LF	3-1/2" x 3" x 3/8" Angle Iron	12.41	5.17
		For >100 To 250, Deduct	*-0.52*	
		For >250 To 500, Deduct	*-0.83*	
		For >500 To 1,000, Deduct	*-1.31*	
		For >1,000, Deduct	*-1.79*	
		For 316 Stainless Steel, Add	*17.66*	
		For Aluminum, Add	*0.99*	
		For Galvanized Steel, Add	*3.42*	
		For 304 Stainless Steel, Add	*15.73*	
		For High Strength Steel (HSS), Add	*2.48*	
05 12 23 00-0393	LF	3-1/2" x 3-1/2" x 3/8" Angle Iron	13.19	5.46
		For >100 To 250, Deduct	*-0.55*	
		For >250 To 500, Deduct	*-0.88*	
		For >500 To 1,000, Deduct	*-1.39*	
		For >1,000, Deduct	*-1.90*	
		For 316 Stainless Steel, Add	*18.94*	
		For Aluminum, Add	*1.07*	
		For Galvanized Steel, Add	*3.67*	
		For 304 Stainless Steel, Add	*16.87*	
		For High Strength Steel (HSS), Add	*2.64*	
05 12 23 00-0394	LF	4" x 3" x 3/8" Angle Iron	13.19	5.46
		For >100 To 250, Deduct	*-0.55*	
		For >250 To 500, Deduct	*-0.88*	
		For >500 To 1,000, Deduct	*-1.39*	
		For >1,000, Deduct	*-1.90*	
		For 316 Stainless Steel, Add	*18.94*	
		For Aluminum, Add	*1.07*	
		For Galvanized Steel, Add	*3.67*	
		For 304 Stainless Steel, Add	*16.87*	
		For High Strength Steel (HSS), Add	*2.64*	
05 12 23 00-0395	LF	4" x 3-1/2" x 3/8" Angle Iron	14.26	5.94
		For >100 To 250, Deduct	*-0.59*	
		For >250 To 500, Deduct	*-0.95*	
		For >500 To 1,000, Deduct	*-1.51*	
		For >1,000, Deduct	*-2.06*	
		For 316 Stainless Steel, Add	*20.29*	
		For Aluminum, Add	*1.14*	
		For Galvanized Steel, Add	*3.93*	
		For 304 Stainless Steel, Add	*18.07*	
		For High Strength Steel (HSS), Add	*2.85*	
05 12 23 00-0396	LF	4" x 4" x 3/8" Angle Iron	14.98	6.11
		For >100 To 250, Deduct	*-0.61*	
		For >250 To 500, Deduct	*-0.99*	
		For >500 To 1,000, Deduct	*-1.56*	
		For >1,000, Deduct	*-2.14*	
		For 316 Stainless Steel, Add	*21.86*	
		For Aluminum, Add	*1.23*	
		For Galvanized Steel, Add	*4.23*	
		For 304 Stainless Steel, Add	*19.47*	
		For High Strength Steel (HSS), Add	*3.00*	
05 12 23 00-0397	LF	5" x 3" x 3/8" Angle Iron	15.31	6.36
		For >100 To 250, Deduct	*-0.64*	
		For >250 To 500, Deduct	*-1.02*	
		For >500 To 1,000, Deduct	*-1.61*	
		For >1,000, Deduct	*-2.21*	
		For 316 Stainless Steel, Add	*21.86*	
		For Aluminum, Add	*1.23*	
		For Galvanized Steel, Add	*4.23*	
		For 304 Stainless Steel, Add	*19.47*	
		For High Strength Steel (HSS), Add	*3.06*	
05 12 23 00-0398	LF	5" x 3-1/2" x 3/8" Angle Iron	16.39	6.85
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-1.10*	
		For >500 To 1,000, Deduct	*-1.73*	
		For >1,000, Deduct	*-2.37*	
		For 316 Stainless Steel, Add	*23.20*	
		For Aluminum, Add	*1.31*	
		For Galvanized Steel, Add	*4.50*	
		For 304 Stainless Steel, Add	*20.66*	
		For High Strength Steel (HSS), Add	*3.28*	
05 12 23 00-0399	LF	5" x 5" x 3/8" Angle Iron	19.23	7.98
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.28*	
		For >500 To 1,000, Deduct	*-2.03*	
		For >1,000, Deduct	*-2.77*	
		For 316 Stainless Steel, Add	*27.49*	
		For Aluminum, Add	*1.55*	
		For Galvanized Steel, Add	*5.33*	
		For 304 Stainless Steel, Add	*24.48*	
		For High Strength Steel (HSS), Add	*3.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0400	LF	6" x 3-1/2" x 3/8" Angle Iron	18.04	7.42
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-1.19*	
		For >500 To 1,000, Deduct	*-1.89*	
		For >1,000, Deduct	*-2.59*	
		For 316 Stainless Steel, Add	*26.08*	
		For Aluminum, Add	*1.47*	
		For Galvanized Steel, Add	*5.05*	
		For 304 Stainless Steel, Add	*23.23*	
		For High Strength Steel (HSS), Add	*3.61*	
05 12 23 00-0401	LF	6" x 4" x 3/8" Angle Iron	19.23	7.98
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.28*	
		For >500 To 1,000, Deduct	*-2.03*	
		For >1,000, Deduct	*-2.77*	
		For 316 Stainless Steel, Add	*27.49*	
		For Aluminum, Add	*1.55*	
		For Galvanized Steel, Add	*5.33*	
		For 304 Stainless Steel, Add	*24.48*	
		For High Strength Steel (HSS), Add	*3.85*	
05 12 23 00-0402	LF	6" x 6" x 3/8" Angle Iron	23.18	9.58
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.54*	
		For >500 To 1,000, Deduct	*-2.44*	
		For >1,000, Deduct	*-3.33*	
		For 316 Stainless Steel, Add	*33.31*	
		For Aluminum, Add	*1.87*	
		For Galvanized Steel, Add	*6.45*	
		For 304 Stainless Steel, Add	*29.67*	
05 12 23 00-0403	LF	7" x 4" x 3/8" Angle Iron	21.22	8.78
		For >100 To 250, Deduct	*-0.88*	
		For >250 To 500, Deduct	*-1.41*	
		For >500 To 1,000, Deduct	*-2.23*	
		For >1,000, Deduct	*-3.06*	
		For 316 Stainless Steel, Add	*30.40*	
		For Aluminum, Add	*1.71*	
		For Galvanized Steel, Add	*5.89*	
		For 304 Stainless Steel, Add	*27.08*	

05 12 23 00-0404 1/2" Thick *(05 12 23 00-0336)*

05 12 23 00-0405	LF	3" x 3" x 1/2" Angle Iron	13.42	5.14
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.85*	
		For >500 To 1,000, Deduct	*-1.36*	
		For >1,000, Deduct	*-1.86*	
		For 316 Stainless Steel, Add	*21.02*	
		For Aluminum, Add	*1.18*	
		For Galvanized Steel, Add	*4.07*	
		For 304 Stainless Steel, Add	*18.72*	
		For High Strength Steel (HSS), Add	*2.68*	
05 12 23 00-0406	LF	4" x 3" x 1/2" Angle Iron	15.84	6.07
		For >100 To 250, Deduct	*-0.61*	
		For >250 To 500, Deduct	*-1.00*	
		For >500 To 1,000, Deduct	*-1.60*	
		For >1,000, Deduct	*-2.20*	
		For 316 Stainless Steel, Add	*24.80*	
		For Aluminum, Add	*1.40*	
		For Galvanized Steel, Add	*4.81*	
		For 304 Stainless Steel, Add	*22.09*	
		For High Strength Steel (HSS), Add	*3.17*	
05 12 23 00-0407	LF	4" x 3-1/2" x 1/2" Angle Iron	16.99	6.50
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-1.08*	
		For >500 To 1,000, Deduct	*-1.72*	
		For >1,000, Deduct	*-2.36*	
		For 316 Stainless Steel, Add	*26.59*	
		For Aluminum, Add	*1.50*	
		For Galvanized Steel, Add	*5.15*	
		For 304 Stainless Steel, Add	*23.68*	
		For High Strength Steel (HSS), Add	*3.40*	
05 12 23 00-0408	LF	4" x 4" x 1/2" Angle Iron	18.27	7.00
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-1.16*	
		For >500 To 1,000, Deduct	*-1.85*	
		For >1,000, Deduct	*-2.54*	
		For 316 Stainless Steel, Add	*28.61*	
		For Aluminum, Add	*1.61*	
		For Galvanized Steel, Add	*5.54*	
		For 304 Stainless Steel, Add	*25.48*	
		For High Strength Steel (HSS), Add	*3.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0409	LF	5" x 3" x 1/2" Angle Iron	18.27	7.00
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-1.16*	
		For >500 To 1,000, Deduct	*-1.85*	
		For >1,000, Deduct	*-2.54*	
		For 316 Stainless Steel, Add	*28.61*	
		For Aluminum, Add	*1.61*	
		For Galvanized Steel, Add	*5.54*	
		For 304 Stainless Steel, Add	*25.48*	
		For High Strength Steel (HSS), Add	*3.65*	
05 12 23 00-0410	LF	5" x 3-1/2" x 1/2" Angle Iron	19.41	7.44
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-1.23*	
		For >500 To 1,000, Deduct	*-1.96*	
		For >1,000, Deduct	*-2.69*	
		For 316 Stainless Steel, Add	*30.40*	
		For Aluminum, Add	*1.71*	
		For Galvanized Steel, Add	*5.89*	
		For 304 Stainless Steel, Add	*27.08*	
		For High Strength Steel (HSS), Add	*3.88*	
05 12 23 00-0411	LF	5" x 5" x 1/2" Angle Iron	23.14	8.86
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.47*	
		For >500 To 1,000, Deduct	*-2.34*	
		For >1,000, Deduct	*-3.21*	
		For 316 Stainless Steel, Add	*36.22*	
		For Aluminum, Add	*2.04*	
		For Galvanized Steel, Add	*7.02*	
		For 304 Stainless Steel, Add	*32.26*	
		For High Strength Steel (HSS), Add	*4.63*	
05 12 23 00-0412	LF	6" x 4" x 1/2" Angle Iron	23.14	8.86
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.47*	
		For >500 To 1,000, Deduct	*-2.34*	
		For >1,000, Deduct	*-3.21*	
		For 316 Stainless Steel, Add	*36.22*	
		For Aluminum, Add	*2.04*	
		For Galvanized Steel, Add	*7.02*	
		For 304 Stainless Steel, Add	*32.26*	
		For High Strength Steel (HSS), Add	*4.63*	
05 12 23 00-0413	LF	6" x 6" x 1/2" Angle Iron	27.98	10.72
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.77*	
		For >500 To 1,000, Deduct	*-2.83*	
		For >1,000, Deduct	*-3.88*	
		For 316 Stainless Steel, Add	*43.81*	
		For Aluminum, Add	*2.46*	
		For Galvanized Steel, Add	*8.49*	
		For 304 Stainless Steel, Add	*39.02*	
05 12 23 00-0414	LF	7" x 4" x 1/2" Angle Iron	25.55	9.78
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.62*	
		For >500 To 1,000, Deduct	*-2.58*	
		For >1,000, Deduct	*-3.55*	
		For 316 Stainless Steel, Add	*40.00*	
		For Aluminum, Add	*2.25*	
		For Galvanized Steel, Add	*7.75*	
		For 304 Stainless Steel, Add	*35.63*	
05 12 23 00-0415	LF	8" x 4" x 1/2" Angle Iron	27.98	10.72
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.77*	
		For >500 To 1,000, Deduct	*-2.83*	
		For >1,000, Deduct	*-3.88*	
		For 316 Stainless Steel, Add	*43.81*	
		For Aluminum, Add	*2.46*	
		For Galvanized Steel, Add	*8.49*	
		For 304 Stainless Steel, Add	*39.02*	
05 12 23 00-0416	LF	8" x 6" x 1/2" Angle Iron	32.84	12.58
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-2.08*	
		For >500 To 1,000, Deduct	*-3.32*	
		For >1,000, Deduct	*-4.56*	
		For 316 Stainless Steel, Add	*51.42*	
		For Aluminum, Add	*2.89*	
		For Galvanized Steel, Add	*9.96*	
		For 304 Stainless Steel, Add	*45.80*	
05 12 23 00-0417	LF	8" x 8" x 1/2" Angle Iron	37.70	14.43
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-2.39*	
		For >500 To 1,000, Deduct	*-3.81*	
		For >1,000, Deduct	*-5.24*	
		For 316 Stainless Steel, Add	*59.01*	
		For Aluminum, Add	*3.32*	
		For Galvanized Steel, Add	*11.43*	
		For 304 Stainless Steel, Add	*52.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0418		5/8" Thick *(05 12 23 00-0336)*		
05 12 23 00-0419	LF	4" x 4" x 5/8" Angle Iron	21.67	8.02
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.34*	
		For >500 To 1,000, Deduct	*-2.15*	
		For >1,000, Deduct	*-2.96*	
		For 316 Stainless Steel, Add	*35.10*	
		For Aluminum, Add	*1.97*	
		For Galvanized Steel, Add	*6.80*	
05 12 23 00-0420	LF	5" x 3-1/2" x 5/8" Angle Iron	23.18	8.59
		For >100 To 250, Deduct	*-0.86*	
		For >250 To 500, Deduct	*-1.44*	
		For >500 To 1,000, Deduct	*-2.30*	
		For >1,000, Deduct	*-3.17*	
		For 316 Stainless Steel, Add	*37.57*	
		For Aluminum, Add	*2.11*	
		For Galvanized Steel, Add	*7.28*	
05 12 23 00-0421	LF	5" x 5" x 5/8" Angle Iron	27.60	10.23
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.71*	
		For >500 To 1,000, Deduct	*-2.74*	
		For >1,000, Deduct	*-3.77*	
		For 316 Stainless Steel, Add	*44.70*	
		For Aluminum, Add	*2.51*	
		For Galvanized Steel, Add	*8.66*	
05 12 23 00-0422	LF	6" x 4" x 5/8" Angle Iron	27.60	10.23
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.71*	
		For >500 To 1,000, Deduct	*-2.74*	
		For >1,000, Deduct	*-3.77*	
		For 316 Stainless Steel, Add	*44.70*	
		For Aluminum, Add	*2.51*	
		For Galvanized Steel, Add	*8.66*	
05 12 23 00-0423	LF	6" x 6" x 5/8" Angle Iron	33.39	12.37
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-2.07*	
		For >500 To 1,000, Deduct	*-3.32*	
		For >1,000, Deduct	*-4.57*	
		For 316 Stainless Steel, Add	*54.08*	
		For Aluminum, Add	*3.04*	
		For Galvanized Steel, Add	*10.48*	
05 12 23 00-0424	LF	7" x 4" x 5/8" Angle Iron	30.50	11.29
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.89*	
		For >500 To 1,000, Deduct	*-3.03*	
		For >1,000, Deduct	*-4.17*	
		For 316 Stainless Steel, Add	*49.41*	
		For Aluminum, Add	*2.78*	
		For Galvanized Steel, Add	*9.57*	
05 12 23 00-0425	LF	8" x 6" x 5/8" Angle Iron	39.33	14.57
		For >100 To 250, Deduct	*-1.46*	
		For >250 To 500, Deduct	*-2.44*	
		For >500 To 1,000, Deduct	*-3.91*	
		For >1,000, Deduct	*-5.38*	
		For 316 Stainless Steel, Add	*63.71*	
		For Aluminum, Add	*3.58*	
		For Galvanized Steel, Add	*12.34*	
05 12 23 00-0426	LF	8" x 8" x 5/8" Angle Iron	45.13	16.71
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.80*	
		For >500 To 1,000, Deduct	*-4.49*	
		For >1,000, Deduct	*-6.17*	
		For 316 Stainless Steel, Add	*73.09*	
		For Aluminum, Add	*4.11*	
		For Galvanized Steel, Add	*14.16*	
05 12 23 00-0427		3/4" Thick *(05 12 23 00-0336)*		
05 12 23 00-0428	LF	4" x 4" x 3/4" Angle Iron	24.76	8.87
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.51*	
		For >500 To 1,000, Deduct	*-2.42*	
		For >1,000, Deduct	*-3.34*	
		For 316 Stainless Steel, Add	*41.38*	
		For Aluminum, Add	*2.33*	
		For Galvanized Steel, Add	*8.02*	
05 12 23 00-0429	LF	5" x 3-1/2" x 3/4" Angle Iron	26.48	9.49
		For >100 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.61*	
		For >500 To 1,000, Deduct	*-2.59*	
		For >1,000, Deduct	*-3.57*	
		For 316 Stainless Steel, Add	*44.26*	
		For Aluminum, Add	*2.49*	
		For Galvanized Steel, Add	*8.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0430	LF	5" x 5" x 3/4" Angle Iron	31.57	11.31
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.92*	
		For >500 To 1,000, Deduct	*-3.09*	
		For >1,000, Deduct	*-4.25*	
		For 316 Stainless Steel, Add	*52.77*	
		For Aluminum, Add	*2.97*	
		For Galvanized Steel, Add	*10.22*	
05 12 23 00-0431	LF	6" x 4" x 3/4" Angle Iron	31.57	11.31
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.92*	
		For >500 To 1,000, Deduct	*-3.09*	
		For >1,000, Deduct	*-4.25*	
		For 316 Stainless Steel, Add	*52.77*	
		For Aluminum, Add	*2.97*	
		For Galvanized Steel, Add	*10.22*	
05 12 23 00-0432	LF	6" x 6" x 3/4" Angle Iron	38.38	13.75
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-2.34*	
		For >500 To 1,000, Deduct	*-3.75*	
		For >1,000, Deduct	*-5.17*	
		For 316 Stainless Steel, Add	*64.13*	
		For Aluminum, Add	*3.61*	
		For Galvanized Steel, Add	*12.42*	
05 12 23 00-0433	LF	7" x 4" x 3/4" Angle Iron	35.04	12.55
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-2.13*	
		For >500 To 1,000, Deduct	*-3.43*	
		For >1,000, Deduct	*-4.72*	
		For 316 Stainless Steel, Add	*58.56*	
		For Aluminum, Add	*3.29*	
		For Galvanized Steel, Add	*11.35*	
05 12 23 00-0434	LF	8" x 4" x 3/4" Angle Iron	38.38	13.75
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-2.34*	
		For >500 To 1,000, Deduct	*-3.75*	
		For >1,000, Deduct	*-5.17*	
		For 316 Stainless Steel, Add	*64.13*	
		For Aluminum, Add	*3.61*	
		For Galvanized Steel, Add	*12.42*	
05 12 23 00-0435	LF	8" x 6" x 3/4" Angle Iron	45.20	16.20
		For >100 To 250, Deduct	*-1.62*	
		For >250 To 500, Deduct	*-2.75*	
		For >500 To 1,000, Deduct	*-4.42*	
		For >1,000, Deduct	*-6.09*	
		For 316 Stainless Steel, Add	*75.55*	
		For Aluminum, Add	*4.25*	
		For Galvanized Steel, Add	*14.64*	
05 12 23 00-0436	LF	8" x 8" x 3/4" Angle Iron	52.02	18.64
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-3.16*	
		For >500 To 1,000, Deduct	*-5.09*	
		For >1,000, Deduct	*-7.01*	
		For 316 Stainless Steel, Add	*86.94*	
		For Aluminum, Add	*4.89*	
		For Galvanized Steel, Add	*16.85*	
05 12 23 00-0437		7/8" Thick *(05 12 23 00-0336)*		
05 12 23 00-0438	LF	5" x 5" x 7/8" Angle Iron	35.21	12.16
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-2.10*	
		For >500 To 1,000, Deduct	*-3.38*	
		For >1,000, Deduct	*-4.67*	
		For 316 Stainless Steel, Add	*60.77*	
		For Aluminum, Add	*3.42*	
		For Galvanized Steel, Add	*11.77*	
05 12 23 00-0439	LF	6" x 4" x 7/8" Angle Iron	35.21	12.16
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-2.10*	
		For >500 To 1,000, Deduct	*-3.38*	
		For >1,000, Deduct	*-4.67*	
		For 316 Stainless Steel, Add	*60.77*	
		For Aluminum, Add	*3.42*	
		For Galvanized Steel, Add	*11.77*	
05 12 23 00-0440	LF	6" x 6" x 7/8" Angle Iron	42.86	14.81
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-2.55*	
		For >500 To 1,000, Deduct	*-4.12*	
		For >1,000, Deduct	*-5.68*	
		For 316 Stainless Steel, Add	*73.98*	
		For Aluminum, Add	*4.16*	
		For Galvanized Steel, Add	*14.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0441	LF	8" x 6" x 7/8" Angle Iron	50.62	17.48
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-3.01*	
		For >500 To 1,000, Deduct	*-4.86*	
		For >1,000, Deduct	*-6.71*	
		For 316 Stainless Steel, Add	*87.39*	
		For Aluminum, Add	*4.92*	
		For Galvanized Steel, Add	*16.93*	
05 12 23 00-0442	LF	8" x 8" x 7/8" Angle Iron	58.27	20.13
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-3.47*	
		For >500 To 1,000, Deduct	*-5.60*	
		For >1,000, Deduct	*-7.73*	
		For 316 Stainless Steel, Add	*100.58*	
		For Aluminum, Add	*5.66*	
		For Galvanized Steel, Add	*19.49*	

05 12 23 00-0443 Flat Steel Bar *(05 12 23 00-0146)*

05 12 23 00-0444 1/8" Thick *(05 12 23 00-0443)*

05 12 23 00-0445	LF	1/8" Thick x 1" Wide Flat Steel Bar	2.47	1.19
		For 316 Stainless Steel, Add	*2.18*	
		For Aluminum, Add	*0.12*	
		For Galvanized Steel, Add	*0.42*	
		For 304 Stainless Steel, Add	*1.94*	
05 12 23 00-0446	LF	1/8" Thick x 2" Wide Flat Steel Bar	3.83	1.79
		For 316 Stainless Steel, Add	*3.65*	
		For Aluminum, Add	*0.21*	
		For Galvanized Steel, Add	*0.71*	
		For 304 Stainless Steel, Add	*3.25*	
05 12 23 00-0447	LF	1/8" Thick x 4" Wide Flat Steel Bar	5.86	2.52
		For 316 Stainless Steel, Add	*6.66*	
		For Aluminum, Add	*0.37*	
		For Galvanized Steel, Add	*1.29*	
		For 304 Stainless Steel, Add	*5.93*	
05 12 23 00-0448	LF	1/8" Thick x 6" Wide Flat Steel Bar	7.93	3.42
		For 316 Stainless Steel, Add	*8.96*	
		For Aluminum, Add	*0.50*	
		For Galvanized Steel, Add	*1.74*	
		For 304 Stainless Steel, Add	*7.98*	

05 12 23 00-0449 3/16" Thick *(05 12 23 00-0443)*

05 12 23 00-0450	LF	3/16" Thick x 1" Wide Flat Steel Bar	3.26	1.48
		For 316 Stainless Steel, Add	*3.33*	
		For Aluminum, Add	*0.19*	
		For Galvanized Steel, Add	*0.64*	
		For 304 Stainless Steel, Add	*2.96*	
05 12 23 00-0451	LF	3/16" Thick x 2" Wide Flat Steel Bar	5.14	2.22
		For 316 Stainless Steel, Add	*5.76*	
		For Aluminum, Add	*0.32*	
		For Galvanized Steel, Add	*1.12*	
		For 304 Stainless Steel, Add	*5.13*	
05 12 23 00-0452	LF	3/16" Thick x 4" Wide Flat Steel Bar	6.87	2.56
		For 316 Stainless Steel, Add	*9.73*	
		For Aluminum, Add	*0.55*	
		For Galvanized Steel, Add	*1.88*	
		For 304 Stainless Steel, Add	*8.66*	
05 12 23 00-0453	LF	3/16" Thick x 6" Wide Flat Steel Bar	9.52	3.54
		For 316 Stainless Steel, Add	*13.47*	
		For Aluminum, Add	*0.76*	
		For Galvanized Steel, Add	*2.61*	
		For 304 Stainless Steel, Add	*12.00*	

05 12 23 00-0454 1/4" Thick *(05 12 23 00-0443)*

05 12 23 00-0455	LF	1/4" Thick x 1" Wide Flat Steel Bar	3.39	1.57
		For 316 Stainless Steel, Add	*3.30*	
		For Aluminum, Add	*0.19*	
		For Galvanized Steel, Add	*0.64*	
		For 304 Stainless Steel, Add	*2.94*	
05 12 23 00-0456	LF	1/4" Thick x 2" Wide Flat Steel Bar	5.61	2.36
		For 316 Stainless Steel, Add	*6.69*	
		For Aluminum, Add	*0.38*	
		For Galvanized Steel, Add	*1.30*	
		For 304 Stainless Steel, Add	*5.96*	
05 12 23 00-0457	LF	1/4" Thick x 4" Wide Flat Steel Bar	8.07	2.69
		For 316 Stainless Steel, Add	*12.93*	
		For Aluminum, Add	*0.73*	
		For Galvanized Steel, Add	*2.50*	
		For 304 Stainless Steel, Add	*11.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0458	LF	1/4" Thick x 6" Wide Flat Steel Bar	11.69	3.97
		For 316 Stainless Steel, Add	*18.34*	
		For Aluminum, Add	*1.03*	
		For Galvanized Steel, Add	*3.55*	
		For 304 Stainless Steel, Add	*16.33*	
05 12 23 00-0459		3/8" Thick *(05 12 23 00-0443)*		
05 12 23 00-0460	LF	3/8" Thick x 1" Wide Flat Steel Bar	4.27	1.76
		For 316 Stainless Steel, Add	*5.18*	
		For Aluminum, Add	*0.29*	
		For Galvanized Steel, Add	*1.00*	
		For 304 Stainless Steel, Add	*4.62*	
05 12 23 00-0461	LF	3/8" Thick x 2" Wide Flat Steel Bar	6.96	2.64
		For 316 Stainless Steel, Add	*9.57*	
		For Aluminum, Add	*0.54*	
		For Galvanized Steel, Add	*1.85*	
		For 304 Stainless Steel, Add	*8.52*	
05 12 23 00-0462	LF	3/8" Thick x 4" Wide Flat Steel Bar	10.51	3.02
		For 316 Stainless Steel, Add	*19.14*	
		For Aluminum, Add	*1.08*	
		For Galvanized Steel, Add	*3.71*	
		For 304 Stainless Steel, Add	*17.04*	
05 12 23 00-0463	LF	3/8" Thick x 6" Wide Flat Steel Bar	15.12	4.46
		For 316 Stainless Steel, Add	*26.91*	
		For Aluminum, Add	*1.51*	
		For Galvanized Steel, Add	*5.21*	
		For 304 Stainless Steel, Add	*23.97*	
05 12 23 00-0464		1/2" Thick *(05 12 23 00-0443)*		
05 12 23 00-0465	LF	1/2" Thick x 1" Wide Flat Steel Bar	4.99	1.93
		For 316 Stainless Steel, Add	*6.66*	
		For Aluminum, Add	*0.37*	
		For Galvanized Steel, Add	*1.29*	
		For 304 Stainless Steel, Add	*5.93*	
05 12 23 00-0466	LF	1/2" Thick x 2" Wide Flat Steel Bar	8.19	2.91
		For 316 Stainless Steel, Add	*12.22*	
		For Aluminum, Add	*0.69*	
		For Galvanized Steel, Add	*2.37*	
		For 304 Stainless Steel, Add	*10.89*	
05 12 23 00-0467	LF	1/2" Thick x 4" Wide Flat Steel Bar	11.48	3.31
		For 316 Stainless Steel, Add	*20.80*	
		For Aluminum, Add	*1.17*	
		For Galvanized Steel, Add	*4.03*	
		For 304 Stainless Steel, Add	*18.53*	
05 12 23 00-0468	LF	1/2" Thick x 6" Wide Flat Steel Bar	20.35	4.91
		For 316 Stainless Steel, Add	*41.50*	
		For Aluminum, Add	*2.33*	
		For Galvanized Steel, Add	*8.04*	
		For 304 Stainless Steel, Add	*36.96*	
05 12 23 00-0469		Flat Steel Plate *(05 12 23 00-0146)*		
05 12 23 00-0470	SF	1/8" Thick Flat Steel Plate	12.60	5.13
		For 316 Stainless Steel, Add	*15.65*	
		For Aluminum, Add	*0.88*	
		For Galvanized Steel, Add	*3.03*	
		For 304 Stainless Steel, Add	*13.94*	
05 12 23 00-0471	SF	3/16" Thick Flat Steel Plate	14.10	5.31
		For 316 Stainless Steel, Add	*19.58*	
		For Aluminum, Add	*1.10*	
		For Galvanized Steel, Add	*3.79*	
		For 304 Stainless Steel, Add	*17.44*	
05 12 23 00-0472	SF	1/4" Thick Flat Steel Plate	16.76	5.96
		For 316 Stainless Steel, Add	*24.99*	
		For Aluminum, Add	*1.41*	
		For Galvanized Steel, Add	*4.84*	
		For 304 Stainless Steel, Add	*22.26*	
05 12 23 00-0473	SF	3/8" Thick Flat Steel Plate	22.31	6.70
		For 316 Stainless Steel, Add	*39.20*	
		For Aluminum, Add	*2.21*	
		For Galvanized Steel, Add	*7.60*	
		For 304 Stainless Steel, Add	*34.91*	
05 12 23 00-0474	SF	1/2" Thick Flat Steel Plate	26.32	7.37
		For 316 Stainless Steel, Add	*48.83*	
		For Aluminum, Add	*2.75*	
		For Galvanized Steel, Add	*9.46*	
		For 304 Stainless Steel, Add	*43.49*	
05 12 23 00-0475	SF	3/4" Thick Flat Steel Plate	42.46	9.13
		For 316 Stainless Steel, Add	*91.62*	
		For Aluminum, Add	*5.15*	
		For Galvanized Steel, Add	*17.75*	
		For 304 Stainless Steel, Add	*81.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0476	SF	1" Thick Flat Steel Plate	56.49	11.41
		For 316 Stainless Steel, Add	*125.44*	
		For Aluminum, Add	*7.06*	
		For Galvanized Steel, Add	*24.30*	
		For 304 Stainless Steel, Add	*111.72*	

05 12 23 00-0477 Bar Channel *(05 12 23 00-0146)*

05 12 23 00-0478	LF	1" x 1/2" x 1/8" Thick Bar Channel	3.45	
		For 316 Stainless Steel, Add	*2.43*	
		For Aluminum, Add	*0.14*	
		For Galvanized Steel, Add	*0.47*	
		For 304 Stainless Steel, Add	*2.17*	
05 12 23 00-0479	LF	1-1/4" x 1/2" x 1/8" Thick Bar Channel	3.83	
		For 316 Stainless Steel, Add	*2.91*	
		For Aluminum, Add	*0.16*	
		For Galvanized Steel, Add	*0.56*	
		For 304 Stainless Steel, Add	*2.59*	
05 12 23 00-0480	LF	1-1/2" x 1/2" x 1/8" Thick Bar Channel	4.17	
		For 316 Stainless Steel, Add	*3.23*	
		For Aluminum, Add	*0.18*	
		For Galvanized Steel, Add	*0.63*	
		For 304 Stainless Steel, Add	*2.88*	
05 12 23 00-0481	LF	1-1/2" x 3/4" x 1/8" Thick Bar Channel	4.83	
		For 316 Stainless Steel, Add	*3.36*	
		For Aluminum, Add	*0.19*	
		For Galvanized Steel, Add	*0.65*	
		For 304 Stainless Steel, Add	*2.99*	
05 12 23 00-0482	LF	2" x 1/2" x 1/8" Thick Bar Channel	5.07	
		For 316 Stainless Steel, Add	*4.13*	
		For Aluminum, Add	*0.23*	
		For Galvanized Steel, Add	*0.80*	
		For 304 Stainless Steel, Add	*3.68*	
05 12 23 00-0483	LF	2" x 1" x 1/8" Thick Bar Channel	6.85	
		For 316 Stainless Steel, Add	*4.61*	
		For Aluminum, Add	*0.26*	
		For Galvanized Steel, Add	*0.89*	
		For 304 Stainless Steel, Add	*4.10*	

05 12 23 00-0484 Channels *(05 12 23 00-0146)*

05 12 23 00-0485	LF	C2 x 1.78 - 2" Wide Channel	5.67	3.33
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.48*	
		For >500 To 1,000, Deduct	*-0.73*	
		For >1,000, Deduct	*-0.98*	
		For 316 Stainless Steel, Add	*3.90*	
		For Aluminum, Add	*0.22*	
		For Galvanized Steel, Add	*0.76*	
		For 304 Stainless Steel, Add	*3.48*	
05 12 23 00-0486	LF	C3 x 4.1 - 3" Wide Channel	8.12	4.79
		For >100 To 250, Deduct	*-0.48*	
		For >250 To 500, Deduct	*-0.68*	
		For >500 To 1,000, Deduct	*-1.05*	
		For >1,000, Deduct	*-1.41*	
		For 316 Stainless Steel, Add	*5.54*	
		For Aluminum, Add	*0.31*	
		For Galvanized Steel, Add	*1.07*	
		For 304 Stainless Steel, Add	*4.93*	
05 12 23 00-0487	LF	C4 x 5.4 - 4" Wide Channel	9.97	5.75
		For >100 To 250, Deduct	*-0.58*	
		For >250 To 500, Deduct	*-0.82*	
		For >500 To 1,000, Deduct	*-1.27*	
		For >1,000, Deduct	*-1.71*	
		For 316 Stainless Steel, Add	*7.36*	
		For Aluminum, Add	*0.41*	
		For Galvanized Steel, Add	*1.43*	
		For 304 Stainless Steel, Add	*6.56*	
05 12 23 00-0488	LF	C5 x 6.7 - 5" Wide Channel	11.86	6.70
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.97*	
		For >500 To 1,000, Deduct	*-1.49*	
		For >1,000, Deduct	*-2.01*	
		For 316 Stainless Steel, Add	*9.31*	
		For Aluminum, Add	*0.52*	
		For Galvanized Steel, Add	*1.80*	
		For 304 Stainless Steel, Add	*8.29*	
05 12 23 00-0489	LF	C6 x 8.2 - 6" Wide Channel	13.18	7.22
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-1.05*	
		For >500 To 1,000, Deduct	*-1.62*	
		For >1,000, Deduct	*-2.19*	
		For 316 Stainless Steel, Add	*11.39*	
		For Aluminum, Add	*0.64*	
		For Galvanized Steel, Add	*2.21*	
		For 304 Stainless Steel, Add	*10.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0490	LF	C7 x 9.8 - 7" Wide Channel	17.58	9.58
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.40*	
		For >500 To 1,000, Deduct	*-2.16*	
		For >1,000, Deduct	*-2.91*	
		For 316 Stainless Steel, Add	*15.39*	
		For Aluminum, Add	*0.87*	
		For Galvanized Steel, Add	*2.98*	
		For 304 Stainless Steel, Add	*13.71*	
05 12 23 00-0491	LF	C8 x 11.5 - 8" Wide Channel	19.70	10.54
		For >100 To 250, Deduct	*-1.05*	
		For >250 To 500, Deduct	*-1.55*	
		For >500 To 1,000, Deduct	*-2.39*	
		For >1,000, Deduct	*-3.24*	
		For 316 Stainless Steel, Add	*18.05*	
		For Aluminum, Add	*1.02*	
		For Galvanized Steel, Add	*3.50*	
		For 304 Stainless Steel, Add	*16.07*	

05 12 23 00-0492 Structural Bar Tees *(05 12 23 00-0146)*

05 12 23 00-0493	LF	3/4" x 3/4" x 1/8" Structural Bar Tee	4.22	2.44
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.35*	
		For >500 To 1,000, Deduct	*-0.54*	
		For >1,000, Deduct	*-0.72*	
		For 316 Stainless Steel, Add	*3.10*	
		For Aluminum, Add	*0.17*	
		For Galvanized Steel, Add	*0.60*	
		For 304 Stainless Steel, Add	*2.76*	
05 12 23 00-0494	LF	1" x 1" x 1/8" Structural Bar Tee	4.98	2.87
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.41*	
		For >500 To 1,000, Deduct	*-0.63*	
		For >1,000, Deduct	*-0.85*	
		For 316 Stainless Steel, Add	*3.68*	
		For Aluminum, Add	*0.21*	
		For Galvanized Steel, Add	*0.71*	
		For 304 Stainless Steel, Add	*3.28*	
05 12 23 00-0495	LF	1-1/2" x 1-1/2" x 1/4" Structural Bar Tee	8.85	3.32
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.55*	
		For >500 To 1,000, Deduct	*-0.89*	
		For >1,000, Deduct	*-1.22*	
		For 316 Stainless Steel, Add	*14.14*	
		For Aluminum, Add	*0.80*	
		For Galvanized Steel, Add	*2.74*	
		For 304 Stainless Steel, Add	*12.60*	
05 12 23 00-0496	LF	2" x 2" x 1/4" Structural Bar Tee	11.53	4.35
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.72*	
		For >500 To 1,000, Deduct	*-1.16*	
		For >1,000, Deduct	*-1.59*	
		For 316 Stainless Steel, Add	*18.37*	
		For Aluminum, Add	*1.03*	
		For Galvanized Steel, Add	*3.56*	
		For 304 Stainless Steel, Add	*16.36*	
05 12 23 00-0497	LF	2-1/2" x 2-1/2" x 3/8" Structural Bar Tee	17.22	5.23
		For >100 To 250, Deduct	*-0.52*	
		For >250 To 500, Deduct	*-0.95*	
		For >500 To 1,000, Deduct	*-1.56*	
		For >1,000, Deduct	*-2.17*	
		For 316 Stainless Steel, Add	*32.74*	
		For Aluminum, Add	*1.84*	
		For Galvanized Steel, Add	*6.34*	
		For 304 Stainless Steel, Add	*29.16*	
05 12 23 00-0498	LF	3" x 3" x 3/8" Structural Bar Tee	21.41	6.70
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-1.21*	
		For >500 To 1,000, Deduct	*-1.97*	
		For >1,000, Deduct	*-2.72*	
		For 316 Stainless Steel, Add	*39.87*	
		For Aluminum, Add	*2.24*	
		For Galvanized Steel, Add	*7.73*	
		For 304 Stainless Steel, Add	*35.51*	

05 12 23 00-0499 Structural Zees *(05 12 23 00-0146)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0500	LF	1-1/4" x 1-3/4" x 1-3/4" Structural Zee	8.88	3.32
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.55*	
		For >500 To 1,000, Deduct	*-0.89*	
		For >1,000, Deduct	*-1.22*	
		For 316 Stainless Steel, Add	*14.24*	
		For Aluminum, Add	*0.80*	
		For Galvanized Steel, Add	*2.76*	
		For 304 Stainless Steel, Add	*12.68*	
05 12 23 00-0501	LF	2-11/16" x 3" x 2-11/16" Structural Zee	13.06	3.96
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 500, Deduct	*-0.72*	
		For >500 To 1,000, Deduct	*-1.18*	
		For >1,000, Deduct	*-1.64*	
		For 316 Stainless Steel, Add	*24.93*	
		For Aluminum, Add	*1.40*	
		For Galvanized Steel, Add	*4.83*	
		For 304 Stainless Steel, Add	*22.20*	
05 12 23 00-0502	LF	3-1/16" x 4" x 3-1/16" Structural Zee	19.03	4.47
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.92*	
		For >500 To 1,000, Deduct	*-1.55*	
		For >1,000, Deduct	*-2.17*	
		For 316 Stainless Steel, Add	*41.82*	
		For Aluminum, Add	*2.35*	
		For Galvanized Steel, Add	*8.10*	
		For 304 Stainless Steel, Add	*37.25*	
05 12 23 00-0503	LF	3-1/4" x 5" x 3-1/4" Structural Zee	25.30	5.11
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-1.14*	
		For >500 To 1,000, Deduct	*-1.95*	
		For >1,000, Deduct	*-2.75*	
		For 316 Stainless Steel, Add	*59.17*	
		For Aluminum, Add	*3.33*	
		For Galvanized Steel, Add	*11.46*	
		For 304 Stainless Steel, Add	*52.70*	
05 12 23 00-0504	LF	3-1/2" x 6" x 3-1/2" Structural Zee	32.37	5.56
		For >100 To 250, Deduct	*-0.56*	
		For >250 To 500, Deduct	*-1.37*	
		For >500 To 1,000, Deduct	*-2.36*	
		For >1,000, Deduct	*-3.35*	
		For 316 Stainless Steel, Add	*79.87*	
		For Aluminum, Add	*4.49*	
		For Galvanized Steel, Add	*15.48*	
		For 304 Stainless Steel, Add	*71.14*	

05 12 23 00-0505 Junior I-Beams *(05 12 23 00-0146)*

05 12 23 00-0506	LF	3" Junior I-Beam, 5.7 LB/LF	9.73	4.79
		For >100 To 250, Deduct	*-0.48*	
		For >250 To 500, Deduct	*-0.72*	
		For >500 To 1,000, Deduct	*-1.13*	
		For >1,000, Deduct	*-1.53*	
		For 316 Stainless Steel, Add	*10.69*	
		For Aluminum, Add	*0.60*	
		For Galvanized Steel, Add	*2.07*	
		For 304 Stainless Steel, Add	*9.52*	
05 12 23 00-0507	LF	4" Junior I-Beam, 7.7 LB/LF	11.66	5.23
		For >100 To 250, Deduct	*-0.52*	
		For >250 To 500, Deduct	*-0.82*	
		For >500 To 1,000, Deduct	*-1.28*	
		For >1,000, Deduct	*-1.75*	
		For 316 Stainless Steel, Add	*14.94*	
		For Aluminum, Add	*0.84*	
		For Galvanized Steel, Add	*2.90*	
		For 304 Stainless Steel, Add	*13.31*	
05 12 23 00-0508	LF	5" Junior I-Beam, 10 LB/LF	14.31	5.75
		For >100 To 250, Deduct	*-0.58*	
		For >250 To 500, Deduct	*-0.93*	
		For >500 To 1,000, Deduct	*-1.48*	
		For >1,000, Deduct	*-2.03*	
		For 316 Stainless Steel, Add	*21.25*	
		For Aluminum, Add	*1.20*	
		For Galvanized Steel, Add	*4.12*	
		For 304 Stainless Steel, Add	*18.92*	
05 12 23 00-0509	LF	6" Junior I-Beam, 12.5 LB/LF	15.81	6.26
		For >100 To 250, Deduct	*-0.63*	
		For >250 To 500, Deduct	*-1.02*	
		For >500 To 1,000, Deduct	*-1.62*	
		For >1,000, Deduct	*-2.23*	
		For 316 Stainless Steel, Add	*23.90*	
		For Aluminum, Add	*1.34*	
		For Galvanized Steel, Add	*4.63*	
		For 304 Stainless Steel, Add	*21.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0510	LF	7" Junior I-Beam, 15.3 LB/LF	20.32	6.70
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-1.18*	
		For >500 To 1,000, Deduct	*-1.91*	
		For >1,000, Deduct	*-2.64*	
		For 316 Stainless Steel, Add	*36.42*	
		For Aluminum, Add	*2.05*	
		For Galvanized Steel, Add	*7.06*	
		For 304 Stainless Steel, Add	*32.43*	
05 12 23 00-0511	LF	8" Junior I-Beam, 18.4 LB/LF	22.14	7.16
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-1.27*	
		For >500 To 1,000, Deduct	*-2.06*	
		For >1,000, Deduct	*-2.85*	
		For 316 Stainless Steel, Add	*40.32*	
		For Aluminum, Add	*2.27*	
		For Galvanized Steel, Add	*7.81*	
		For 304 Stainless Steel, Add	*35.91*	

05 12 23 00-0512 Round Stock *(05 12 23 00-0146)*

05 12 23 00-0513	LF	1/4" Carbon Steel Rounds, ASTM A108	1.53	
		For 316 Stainless Steel, Add	*2.14*	
		For Aluminum, Add	*0.12*	
		For Galvanized Steel, Add	*0.42*	
		For 304 Stainless Steel, Add	*1.91*	
05 12 23 00-0514	LF	3/8" Carbon Steel Rounds, ASTM A108	2.29	
		For 316 Stainless Steel, Add	*4.22*	
		For Aluminum, Add	*0.24*	
		For Galvanized Steel, Add	*0.82*	
		For 304 Stainless Steel, Add	*3.76*	
05 12 23 00-0515	LF	1/2" Carbon Steel Rounds, ASTM A108	3.08	
		For 316 Stainless Steel, Add	*6.43*	
		For Aluminum, Add	*0.36*	
		For Galvanized Steel, Add	*1.25*	
		For 304 Stainless Steel, Add	*5.73*	
05 12 23 00-0516	LF	5/8" Carbon Steel Rounds, ASTM A108	4.55	
		For 316 Stainless Steel, Add	*10.75*	
		For Aluminum, Add	*0.60*	
		For Galvanized Steel, Add	*2.08*	
		For 304 Stainless Steel, Add	*9.58*	
05 12 23 00-0517	LF	3/4" Carbon Steel Rounds, ASTM A108	5.41	
		For 316 Stainless Steel, Add	*12.77*	
		For Aluminum, Add	*0.72*	
		For Galvanized Steel, Add	*2.47*	
		For 304 Stainless Steel, Add	*11.37*	
05 12 23 00-0518	LF	7/8" Carbon Steel Rounds, ASTM A108	6.30	
		For 316 Stainless Steel, Add	*14.91*	
		For Aluminum, Add	*0.84*	
		For Galvanized Steel, Add	*2.89*	
		For 304 Stainless Steel, Add	*13.28*	
05 12 23 00-0519	LF	1" Carbon Steel Rounds, ASTM A108	9.03	
		For 316 Stainless Steel, Add	*22.72*	
		For Aluminum, Add	*1.28*	
		For Galvanized Steel, Add	*4.40*	
		For 304 Stainless Steel, Add	*20.24*	
05 12 23 00-0520	LF	1-1/8" Carbon Steel Rounds, ASTM A108	11.00	
		For 316 Stainless Steel, Add	*27.62*	
		For Aluminum, Add	*1.55*	
		For Galvanized Steel, Add	*5.35*	
		For 304 Stainless Steel, Add	*24.60*	
05 12 23 00-0521	LF	1-1/4" Carbon Steel Rounds, ASTM A108	13.19	
		For 316 Stainless Steel, Add	*32.48*	
		For Aluminum, Add	*1.83*	
		For Galvanized Steel, Add	*6.29*	
		For 304 Stainless Steel, Add	*28.93*	
05 12 23 00-0522	LF	1-3/8" Carbon Steel Rounds, ASTM A108	15.94	
		For 316 Stainless Steel, Add	*39.65*	
		For Aluminum, Add	*2.23*	
		For Galvanized Steel, Add	*7.68*	
		For 304 Stainless Steel, Add	*35.31*	
05 12 23 00-0523	LF	1-1/2" Carbon Steel Rounds, ASTM A108	17.85	
		For 316 Stainless Steel, Add	*43.49*	
		For Aluminum, Add	*2.45*	
		For Galvanized Steel, Add	*8.43*	
		For 304 Stainless Steel, Add	*38.73*	
05 12 23 00-0524	LF	1-5/8" Carbon Steel Rounds, ASTM A108	20.72	
		For 316 Stainless Steel, Add	*49.28*	
		For Aluminum, Add	*2.77*	
		For Galvanized Steel, Add	*9.55*	
		For 304 Stainless Steel, Add	*43.89*	
05 12 23 00-0525	LF	1-3/4" Carbon Steel Rounds, ASTM A108	25.02	
		For 316 Stainless Steel, Add	*57.34*	
		For Aluminum, Add	*3.23*	
		For Galvanized Steel, Add	*11.11*	
		For 304 Stainless Steel, Add	*51.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0526	LF	1-7/8" Carbon Steel Rounds, ASTM A108	30.36	
		For 316 Stainless Steel, Add	*67.17*	
		For Aluminum, Add	*3.78*	
		For Galvanized Steel, Add	*13.01*	
		For 304 Stainless Steel, Add	*59.82*	
05 12 23 00-0527	LF	2" Carbon Steel Rounds, ASTM A108	34.91	
		For 316 Stainless Steel, Add	*74.72*	
		For Aluminum, Add	*4.20*	
		For Galvanized Steel, Add	*14.48*	
		For 304 Stainless Steel, Add	*66.55*	
05 12 23 00-0528	LF	2-1/8" Carbon Steel Rounds, ASTM A108	41.03	
		For 316 Stainless Steel, Add	*85.34*	
		For Aluminum, Add	*4.80*	
		For Galvanized Steel, Add	*16.54*	
		For 304 Stainless Steel, Add	*76.01*	
05 12 23 00-0529	LF	2-1/4" Carbon Steel Rounds, ASTM A108	46.50	
		For 316 Stainless Steel, Add	*95.97*	
		For Aluminum, Add	*5.40*	
		For Galvanized Steel, Add	*18.59*	
		For 304 Stainless Steel, Add	*85.47*	
05 12 23 00-0530	LF	2-3/8" Carbon Steel Rounds, ASTM A108	53.28	
		For 316 Stainless Steel, Add	*109.76*	
		For Aluminum, Add	*6.17*	
		For Galvanized Steel, Add	*21.27*	
		For 304 Stainless Steel, Add	*97.76*	
05 12 23 00-0531	LF	2-1/2" Carbon Steel Rounds, ASTM A108	59.25	
		For 316 Stainless Steel, Add	*118.27*	
		For Aluminum, Add	*6.65*	
		For Galvanized Steel, Add	*22.92*	
		For 304 Stainless Steel, Add	*105.34*	
05 12 23 00-0532	LF	2-5/8" Carbon Steel Rounds, ASTM A108	71.71	
		For 316 Stainless Steel, Add	*150.24*	
		For Aluminum, Add	*8.45*	
		For Galvanized Steel, Add	*29.11*	
		For 304 Stainless Steel, Add	*133.81*	
05 12 23 00-0533	LF	2-3/4" Carbon Steel Rounds, ASTM A108	81.61	
		For 316 Stainless Steel, Add	*171.33*	
		For Aluminum, Add	*9.64*	
		For Galvanized Steel, Add	*33.19*	
		For 304 Stainless Steel, Add	*152.59*	
05 12 23 00-0534	LF	2-7/8 Carbon Steel Rounds, ASTM A108	91.04	
		For 316 Stainless Steel, Add	*190.94*	
		For Aluminum, Add	*10.74*	
		For Galvanized Steel, Add	*37.00*	
		For 304 Stainless Steel, Add	*170.06*	
05 12 23 00-0535	LF	3" Carbon Steel Rounds, ASTM A108	96.14	
		For 316 Stainless Steel, Add	*196.67*	
		For Aluminum, Add	*11.06*	
		For Galvanized Steel, Add	*38.11*	
		For 304 Stainless Steel, Add	*175.16*	
05 12 23 00-0536	LF	3-1/8" Carbon Steel Rounds, ASTM A108	100.81	
		For 316 Stainless Steel, Add	*201.02*	
		For Aluminum, Add	*11.31*	
		For Galvanized Steel, Add	*38.95*	
		For 304 Stainless Steel, Add	*179.04*	
05 12 23 00-0537	LF	3-1/4" Carbon Steel Rounds, ASTM A108	106.66	
		For 316 Stainless Steel, Add	*209.22*	
		For Aluminum, Add	*11.77*	
		For Galvanized Steel, Add	*40.54*	
		For 304 Stainless Steel, Add	*186.33*	
05 12 23 00-0538	LF	3-1/2" Carbon Steel Rounds, ASTM A108	128.37	
		For 316 Stainless Steel, Add	*265.47*	
		For Aluminum, Add	*14.93*	
		For Galvanized Steel, Add	*51.44*	
		For 304 Stainless Steel, Add	*236.44*	
05 12 23 00-0539	LF	3-5/8" Carbon Steel Rounds, ASTM A108	142.35	
		For 316 Stainless Steel, Add	*296.96*	
		For Aluminum, Add	*16.70*	
		For Galvanized Steel, Add	*57.54*	
		For 304 Stainless Steel, Add	*264.48*	
05 12 23 00-0540	LF	3-3/4" Carbon Steel Rounds, ASTM A108	152.94	
		For 316 Stainless Steel, Add	*317.66*	
		For Aluminum, Add	*17.87*	
		For Galvanized Steel, Add	*61.55*	
		For 304 Stainless Steel, Add	*282.92*	
05 12 23 00-0541	LF	4" Carbon Steel Rounds, ASTM A108	170.83	
		For 316 Stainless Steel, Add	*361.70*	
		For Aluminum, Add	*20.35*	
		For Galvanized Steel, Add	*70.08*	
		For 304 Stainless Steel, Add	*322.14*	

05 12 23 00-0542 Square Stock *(05 12 23 00-0146)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0543	LF	3/8" Square Bar Stock	1.30	
		For 316 Stainless Steel, Add	*1.06*	
		For Aluminum, Add	*0.06*	
		For Galvanized Steel, Add	*0.20*	
		For 304 Stainless Steel, Add	*0.94*	
05 12 23 00-0544	LF	1/2" Square Bar Stock	1.66	
		For 316 Stainless Steel, Add	*1.89*	
		For Aluminum, Add	*0.11*	
		For Galvanized Steel, Add	*0.37*	
		For 304 Stainless Steel, Add	*1.68*	
05 12 23 00-0545	LF	5/8" Square Bar Stock	2.11	
		For 316 Stainless Steel, Add	*2.94*	
		For Aluminum, Add	*0.17*	
		For Galvanized Steel, Add	*0.57*	
		For 304 Stainless Steel, Add	*2.62*	
05 12 23 00-0546	LF	3/4" Square Bar Stock	2.75	
		For 316 Stainless Steel, Add	*4.26*	
		For Aluminum, Add	*0.24*	
		For Galvanized Steel, Add	*0.82*	
		For 304 Stainless Steel, Add	*3.79*	
05 12 23 00-0547	LF	7/8" Square Bar Stock	3.49	
		For 316 Stainless Steel, Add	*5.92*	
		For Aluminum, Add	*0.33*	
		For Galvanized Steel, Add	*1.15*	
		For 304 Stainless Steel, Add	*5.27*	
05 12 23 00-0548	LF	1" Square Bar Stock	4.30	
		For 316 Stainless Steel, Add	*7.58*	
		For Aluminum, Add	*0.43*	
		For Galvanized Steel, Add	*1.47*	
		For 304 Stainless Steel, Add	*6.75*	
05 12 23 00-0549	LF	1-1/4" Square Bar Stock	6.74	
		For 316 Stainless Steel, Add	*11.84*	
		For Aluminum, Add	*0.67*	
		For Galvanized Steel, Add	*2.29*	
		For 304 Stainless Steel, Add	*10.55*	
05 12 23 00-0550	LF	1-1/2" Square Bar Stock	9.59	
		For 316 Stainless Steel, Add	*17.06*	
		For Aluminum, Add	*0.96*	
		For Galvanized Steel, Add	*3.30*	
		For 304 Stainless Steel, Add	*15.19*	
05 12 23 00-0551	LF	1-3/4" Square Bar Stock	14.51	
		For 316 Stainless Steel, Add	*23.71*	
		For Aluminum, Add	*1.33*	
		For Galvanized Steel, Add	*4.59*	
		For 304 Stainless Steel, Add	*21.12*	
05 12 23 00-0552	LF	2" Square Bar Stock	21.41	
		For 316 Stainless Steel, Add	*30.34*	
		For Aluminum, Add	*1.71*	
		For Galvanized Steel, Add	*5.88*	
		For 304 Stainless Steel, Add	*27.02*	

05 12 23 00-0553 Steel Tubing *(05 12 23 00-0146)*
Note: General purpose low-carbon steel.

05 12 23 00-0554 Square Steel Tubing *(05 12 23 00-0553)*

05 12 23 00-0555 0.06" Wall Thickness *(05 12 23 00-0554)*

05 12 23 00-0556	LF	1/2" x 1/2" x 0.06" Square Steel Tubing	1.48	0.46
		For >100 To 250, Deduct	*-0.05*	
		For >250 To 500, Deduct	*-0.08*	
		For >500 To 1,000, Deduct	*-0.14*	
		For >1,000, Deduct	*-0.19*	
		For 316 Stainless Steel, Add	*2.78*	
		For Aluminum, Add	*0.16*	
		For Galvanized Steel, Add	*0.54*	
		For 304 Stainless Steel, Add	*2.48*	
05 12 23 00-0557	LF	3/4" x 3/4" x 0.06" Square Steel Tubing	2.29	0.72
		For >100 To 250, Deduct	*-0.07*	
		For >250 To 500, Deduct	*-0.13*	
		For >500 To 1,000, Deduct	*-0.21*	
		For >1,000, Deduct	*-0.29*	
		For 316 Stainless Steel, Add	*4.26*	
		For Aluminum, Add	*0.24*	
		For Galvanized Steel, Add	*0.82*	
		For 304 Stainless Steel, Add	*3.79*	
05 12 23 00-0558	LF	1" x 1" x 0.06" Square Steel Tubing	3.08	1.31
		For >100 To 250, Deduct	*-0.10*	
		For >250 To 500, Deduct	*-0.18*	
		For >500 To 1,000, Deduct	*-0.29*	
		For >1,000, Deduct	*-0.39*	
		For 316 Stainless Steel, Add	*5.66*	
		For Aluminum, Add	*0.32*	
		For Galvanized Steel, Add	*1.10*	
		For 304 Stainless Steel, Add	*5.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0559	LF	1-1/4" x 1-1/4" x 0.06" Square Steel Tubing	4.05	1.24
		For >100 To 250, Deduct	*-0.12*	
		For >250 To 500, Deduct	*-0.23*	
		For >500 To 1,000, Deduct	*-0.37*	
		For >1,000, Deduct	*-0.51*	
		For 316 Stainless Steel, Add	*7.65*	
		For Aluminum, Add	*0.43*	
		For Galvanized Steel, Add	*1.48*	
		For 304 Stainless Steel, Add	*6.81*	
05 12 23 00-0560	LF	1-1/2" x 1-1/2" x 0.06" Square Steel Tubing	4.81	1.50
		For >100 To 250, Deduct	*-0.15*	
		For >250 To 500, Deduct	*-0.27*	
		For >500 To 1,000, Deduct	*-0.44*	
		For >1,000, Deduct	*-0.61*	
		For 316 Stainless Steel, Add	*8.99*	
		For Aluminum, Add	*0.51*	
		For Galvanized Steel, Add	*1.74*	
		For 304 Stainless Steel, Add	*8.01*	

05 12 23 00-0561 0.083" Wall Thickness *(05 12 23 00-0554)*

05 12 23 00-0562	LF	3/4" x 3/4" x 0.083" Square Steel Tubing	2.67	0.85
		For >100 To 250, Deduct	*-0.08*	
		For >250 To 500, Deduct	*-0.15*	
		For >500 To 1,000, Deduct	*-0.25*	
		For >1,000, Deduct	*-0.34*	
		For 316 Stainless Steel, Add	*4.93*	
		For Aluminum, Add	*0.28*	
		For Galvanized Steel, Add	*0.95*	
		For 304 Stainless Steel, Add	*4.39*	
05 12 23 00-0563	LF	1" x 1" x 0.083" Square Steel Tubing	3.84	1.16
		For >100 To 250, Deduct	*-0.12*	
		For >250 To 500, Deduct	*-0.21*	
		For >500 To 1,000, Deduct	*-0.35*	
		For >1,000, Deduct	*-0.48*	
		For 316 Stainless Steel, Add	*7.36*	
		For Aluminum, Add	*0.41*	
		For Galvanized Steel, Add	*1.43*	
		For 304 Stainless Steel, Add	*6.56*	
05 12 23 00-0564	LF	1-1/4" x 1-1/4" x 0.083" Square Steel Tubing	4.68	1.47
		For >100 To 250, Deduct	*-0.15*	
		For >250 To 500, Deduct	*-0.26*	
		For >500 To 1,000, Deduct	*-0.43*	
		For >1,000, Deduct	*-0.60*	
		For 316 Stainless Steel, Add	*8.70*	
		For Aluminum, Add	*0.49*	
		For Galvanized Steel, Add	*1.69*	
		For 304 Stainless Steel, Add	*7.75*	
05 12 23 00-0565	LF	1-1/2" x 1-1/2" x 0.083" Square Steel Tubing	5.67	1.79
		For >100 To 250, Deduct	*-0.18*	
		For >250 To 500, Deduct	*-0.32*	
		For >500 To 1,000, Deduct	*-0.52*	
		For >1,000, Deduct	*-0.72*	
		For 316 Stainless Steel, Add	*10.50*	
		For Aluminum, Add	*0.59*	
		For Galvanized Steel, Add	*2.03*	
		For 304 Stainless Steel, Add	*9.35*	
05 12 23 00-0566	LF	2" x 2" x 0.083" Square Steel Tubing	7.31	2.39
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.42*	
		For >500 To 1,000, Deduct	*-0.68*	
		For >1,000, Deduct	*-0.95*	
		For 316 Stainless Steel, Add	*13.22*	
		For Aluminum, Add	*0.74*	
		For Galvanized Steel, Add	*2.56*	
		For 304 Stainless Steel, Add	*11.77*	

05 12 23 00-0567 0.12" Wall Thickness *(05 12 23 00-0554)*

05 12 23 00-0568	LF	1" x 1" x 0.12" Square Steel Tubing	4.29	1.38
		For >100 To 250, Deduct	*-0.14*	
		For >250 To 500, Deduct	*-0.25*	
		For >500 To 1,000, Deduct	*-0.40*	
		For >1,000, Deduct	*-0.55*	
		For 316 Stainless Steel, Add	*7.84*	
		For Aluminum, Add	*0.44*	
		For Galvanized Steel, Add	*1.52*	
		For 304 Stainless Steel, Add	*6.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0569	LF	1-1/4" x 1-1/4" x 0.12" Square Steel Tubing	5.53	1.77
		For >100 To 250, Deduct	*-0.18*	
		For >250 To 500, Deduct	*-0.32*	
		For >500 To 1,000, Deduct	*-0.51*	
		For >1,000, Deduct	*-0.71*	
		For 316 Stainless Steel, Add	*10.14*	
		For Aluminum, Add	*0.57*	
		For Galvanized Steel, Add	*1.97*	
		For 304 Stainless Steel, Add	*9.03*	
05 12 23 00-0570	LF	1-1/2" x 1-1/2" x 0.12" Square Steel Tubing	6.77	2.16
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.39*	
		For >500 To 1,000, Deduct	*-0.63*	
		For >1,000, Deduct	*-0.87*	
		For 316 Stainless Steel, Add	*12.45*	
		For Aluminum, Add	*0.70*	
		For Galvanized Steel, Add	*2.41*	
		For 304 Stainless Steel, Add	*11.09*	
05 12 23 00-0571	LF	2" x 2" x 0.12" Square Steel Tubing	9.19	2.94
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.52*	
		For >500 To 1,000, Deduct	*-0.85*	
		For >1,000, Deduct	*-1.18*	
		For 316 Stainless Steel, Add	*16.83*	
		For Aluminum, Add	*0.95*	
		For Galvanized Steel, Add	*3.26*	
		For 304 Stainless Steel, Add	*14.99*	

05 12 23 00-0572 1/8" Wall Thickness *(05 12 23 00-0554)*

05 12 23 00-0573	LF	2" x 2" x 1/8" Square Steel Tubing	8.46	3.06
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.52*	
		For >500 To 1,000, Deduct	*-0.83*	
		For >1,000, Deduct	*-1.14*	
		For 316 Stainless Steel, Add	*14.02*	
		For Aluminum, Add	*0.79*	
		For Galvanized Steel, Add	*2.72*	
		For 304 Stainless Steel, Add	*12.48*	
05 12 23 00-0574	LF	2-1/2" x 2-1/2" x 1/8" Square Steel Tubing	11.08	3.88
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.66*	
		For >500 To 1,000, Deduct	*-1.07*	
		For >1,000, Deduct	*-1.48*	
		For 316 Stainless Steel, Add	*18.94*	
		For Aluminum, Add	*1.07*	
		For Galvanized Steel, Add	*3.67*	
		For 304 Stainless Steel, Add	*16.87*	
05 12 23 00-0575	LF	3" x 3" x 1/8" Square Steel Tubing	13.05	4.69
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.80*	
		For >500 To 1,000, Deduct	*-1.28*	
		For >1,000, Deduct	*-1.76*	
		For 316 Stainless Steel, Add	*21.76*	
		For Aluminum, Add	*1.22*	
		For Galvanized Steel, Add	*4.22*	
		For 304 Stainless Steel, Add	*19.38*	
05 12 23 00-0576	LF	3-1/2" x 3-1/2" x 1/8" Square Steel Tubing	15.16	5.51
		For >100 To 250, Deduct	*-0.55*	
		For >250 To 500, Deduct	*-0.93*	
		For >500 To 1,000, Deduct	*-1.49*	
		For >1,000, Deduct	*-2.05*	
		For 316 Stainless Steel, Add	*25.02*	
		For Aluminum, Add	*1.41*	
		For Galvanized Steel, Add	*4.85*	
		For 304 Stainless Steel, Add	*22.29*	
05 12 23 00-0577	LF	4" x 4" x 1/8" Square Steel Tubing	16.83	6.32
		For >100 To 250, Deduct	*-0.63*	
		For >250 To 500, Deduct	*-1.05*	
		For >500 To 1,000, Deduct	*-1.68*	
		For >1,000, Deduct	*-2.32*	
		For 316 Stainless Steel, Add	*26.88*	
		For Aluminum, Add	*1.51*	
		For Galvanized Steel, Add	*5.21*	
		For 304 Stainless Steel, Add	*23.94*	

05 12 23 00-0578 3/16" Wall Thickness *(05 12 23 00-0554)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0579	LF	2" x 2" x 3/16" Square Steel Tubing	9.58	3.45
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.58*	
		For >500 To 1,000, Deduct	*-0.94*	
		For >1,000, Deduct	*-1.29*	
		For 316 Stainless Steel, Add	*15.94*	
		For Aluminum, Add	*0.90*	
		For Galvanized Steel, Add	*3.09*	
		For 304 Stainless Steel, Add	*14.19*	
05 12 23 00-0580	LF	2-1/2" x 2-1/2" x 3/16" Square Steel Tubing	12.40	4.46
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.76*	
		For >500 To 1,000, Deduct	*-1.22*	
		For >1,000, Deduct	*-1.67*	
		For 316 Stainless Steel, Add	*20.64*	
		For Aluminum, Add	*1.16*	
		For Galvanized Steel, Add	*4.00*	
		For 304 Stainless Steel, Add	*18.38*	
05 12 23 00-0581	LF	3" x 3" x 3/16" Square Steel Tubing	15.25	5.49
		For >100 To 250, Deduct	*-0.55*	
		For >250 To 500, Deduct	*-0.93*	
		For >500 To 1,000, Deduct	*-1.49*	
		For >1,000, Deduct	*-2.06*	
		For 316 Stainless Steel, Add	*25.38*	
		For Aluminum, Add	*1.43*	
		For Galvanized Steel, Add	*4.92*	
		For 304 Stainless Steel, Add	*22.60*	
05 12 23 00-0582	LF	3-1/2" x 3-1/2" x 3/16" Square Steel Tubing	18.08	6.51
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-1.10*	
		For >500 To 1,000, Deduct	*-1.77*	
		For >1,000, Deduct	*-2.44*	
		For 316 Stainless Steel, Add	*30.08*	
		For Aluminum, Add	*1.69*	
		For Galvanized Steel, Add	*5.83*	
		For 304 Stainless Steel, Add	*26.79*	
05 12 23 00-0583	LF	4" x 4" x 3/16" Square Steel Tubing	20.90	7.52
		For >100 To 250, Deduct	*-0.75*	
		For >250 To 500, Deduct	*-1.27*	
		For >500 To 1,000, Deduct	*-2.05*	
		For >1,000, Deduct	*-2.82*	
		For 316 Stainless Steel, Add	*34.78*	
		For Aluminum, Add	*1.96*	
		For Galvanized Steel, Add	*6.74*	
		For 304 Stainless Steel, Add	*30.98*	
05 12 23 00-0584	LF	4-1/2" x 4-1/2" x 3/16" Square Steel Tubing	23.74	8.55
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.45*	
		For >500 To 1,000, Deduct	*-2.33*	
		For >1,000, Deduct	*-3.20*	
		For 316 Stainless Steel, Add	*39.52*	
		For Aluminum, Add	*2.22*	
		For Galvanized Steel, Add	*7.66*	
		For 304 Stainless Steel, Add	*35.20*	
05 12 23 00-0585	LF	5" x 5" x 3/16" Square Steel Tubing	26.55	9.56
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.62*	
		For >500 To 1,000, Deduct	*-2.60*	
		For >1,000, Deduct	*-3.58*	
		For 316 Stainless Steel, Add	*44.19*	
		For Aluminum, Add	*2.49*	
		For Galvanized Steel, Add	*8.56*	
		For 304 Stainless Steel, Add	*39.36*	
05 12 23 00-0586	LF	6" x 6" x 3/16" Square Steel Tubing	32.24	11.61
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.97*	
		For >500 To 1,000, Deduct	*-3.16*	
		For >1,000, Deduct	*-4.35*	
		For 316 Stainless Steel, Add	*53.66*	
		For Aluminum, Add	*3.02*	
		For Galvanized Steel, Add	*10.40*	
		For 304 Stainless Steel, Add	*47.79*	

05 12 23 00-0587 1/4" Wall Thickness *(05 12 23 00-0554)*

05 12 23 00-0588	LF	2" x 2" x 1/4" Square Steel Tubing	10.12	3.45
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.60*	
		For >500 To 1,000, Deduct	*-0.97*	
		For >1,000, Deduct	*-1.34*	
		For 316 Stainless Steel, Add	*17.63*	
		For Aluminum, Add	*0.99*	
		For Galvanized Steel, Add	*3.42*	
		For 304 Stainless Steel, Add	*15.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0589	LF	2-1/2" x 2-1/2" x 1/4" Square Steel Tubing	13.30	4.54
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.79*	
		For >500 To 1,000, Deduct	*-1.27*	
		For >1,000, Deduct	*-1.76*	
		For 316 Stainless Steel, Add	*23.17*	
		For Aluminum, Add	*1.30*	
		For Galvanized Steel, Add	*4.49*	
		For 304 Stainless Steel, Add	*20.63*	
05 12 23 00-0590	LF	3" x 3" x 1/4" Square Steel Tubing	16.48	5.63
		For >100 To 250, Deduct	*-0.56*	
		For >250 To 500, Deduct	*-0.98*	
		For >500 To 1,000, Deduct	*-1.58*	
		For >1,000, Deduct	*-2.17*	
		For 316 Stainless Steel, Add	*28.70*	
		For Aluminum, Add	*1.61*	
		For Galvanized Steel, Add	*5.56*	
		For 304 Stainless Steel, Add	*25.56*	
05 12 23 00-0591	LF	3-1/2" x 3-1/2" x 1/4" Square Steel Tubing	19.65	6.71
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-1.16*	
		For >500 To 1,000, Deduct	*-1.88*	
		For >1,000, Deduct	*-2.59*	
		For 316 Stainless Steel, Add	*34.24*	
		For Aluminum, Add	*1.93*	
		For Galvanized Steel, Add	*6.63*	
		For 304 Stainless Steel, Add	*30.50*	
05 12 23 00-0592	LF	4" x 4" x 1/4" Square Steel Tubing	22.83	7.80
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-1.35*	
		For >500 To 1,000, Deduct	*-2.18*	
		For >1,000, Deduct	*-3.01*	
		For 316 Stainless Steel, Add	*39.78*	
		For Aluminum, Add	*2.24*	
		For Galvanized Steel, Add	*7.71*	
		For 304 Stainless Steel, Add	*35.43*	
05 12 23 00-0593	LF	4-1/2" x 4-1/2" x 1/4" Square Steel Tubing	26.02	8.89
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.54*	
		For >500 To 1,000, Deduct	*-2.49*	
		For >1,000, Deduct	*-3.43*	
		For 316 Stainless Steel, Add	*45.34*	
		For Aluminum, Add	*2.55*	
		For Galvanized Steel, Add	*8.79*	
		For 304 Stainless Steel, Add	*40.38*	
05 12 23 00-0594	LF	5" x 5" x 1/4" Square Steel Tubing	29.22	9.98
		For >100 To 250, Deduct	*-1.00*	
		For >250 To 500, Deduct	*-1.73*	
		For >500 To 1,000, Deduct	*-2.79*	
		For >1,000, Deduct	*-3.86*	
		For 316 Stainless Steel, Add	*50.91*	
		For Aluminum, Add	*2.86*	
		For Galvanized Steel, Add	*9.86*	
		For 304 Stainless Steel, Add	*45.34*	
05 12 23 00-0595	LF	6" x 6" x 1/4" Square Steel Tubing	35.58	12.15
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-2.11*	
		For >500 To 1,000, Deduct	*-3.40*	
		For >1,000, Deduct	*-4.69*	
		For 316 Stainless Steel, Add	*61.98*	
		For Aluminum, Add	*3.49*	
		For Galvanized Steel, Add	*12.01*	
		For 304 Stainless Steel, Add	*55.20*	

05 12 23 00-0596 Rectangular Steel Tubing *(05 12 23 00-0553)*

05 12 23 00-0597 3/16" Wall Thickness *(05 12 23 00-0596)*

05 12 23 00-0598	LF	3" x 2" x 3/16" Square Steel Tubing	12.40	4.46
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.76*	
		For >500 To 1,000, Deduct	*-1.22*	
		For >1,000, Deduct	*-1.67*	
		For 316 Stainless Steel, Add	*20.64*	
		For Aluminum, Add	*1.16*	
		For Galvanized Steel, Add	*4.00*	
		For 304 Stainless Steel, Add	*18.38*	
05 12 23 00-0599	LF	4" x 2" x 3/16" Square Steel Tubing	15.25	5.49
		For >100 To 250, Deduct	*-0.55*	
		For >250 To 500, Deduct	*-0.93*	
		For >500 To 1,000, Deduct	*-1.49*	
		For >1,000, Deduct	*-2.06*	
		For 316 Stainless Steel, Add	*25.38*	
		For Aluminum, Add	*1.43*	
		For Galvanized Steel, Add	*4.92*	
		For 304 Stainless Steel, Add	*22.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0600	LF	4" x 3" x 3/16" Square Steel Tubing	18.08	6.51
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-1.10*	
		For >500 To 1,000, Deduct	*-1.77*	
		For >1,000, Deduct	*-2.44*	
		For 316 Stainless Steel, Add	*30.08*	
		For Aluminum, Add	*1.69*	
		For Galvanized Steel, Add	*5.83*	
		For 304 Stainless Steel, Add	*26.79*	
05 12 23 00-0601	LF	5" x 2" x 3/16" Square Steel Tubing	18.08	6.51
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-1.10*	
		For >500 To 1,000, Deduct	*-1.77*	
		For >1,000, Deduct	*-2.44*	
		For 316 Stainless Steel, Add	*30.08*	
		For Aluminum, Add	*1.69*	
		For Galvanized Steel, Add	*5.83*	
		For 304 Stainless Steel, Add	*26.79*	
05 12 23 00-0602	LF	5" x 3" x 3/16" Square Steel Tubing	20.90	7.52
		For >100 To 250, Deduct	*-0.75*	
		For >250 To 500, Deduct	*-1.27*	
		For >500 To 1,000, Deduct	*-2.05*	
		For >1,000, Deduct	*-2.82*	
		For 316 Stainless Steel, Add	*34.78*	
		For Aluminum, Add	*1.96*	
		For Galvanized Steel, Add	*6.74*	
		For 304 Stainless Steel, Add	*30.98*	
05 12 23 00-0603	LF	5" x 4" x 3/16" Square Steel Tubing	23.74	8.55
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.45*	
		For >500 To 1,000, Deduct	*-2.33*	
		For >1,000, Deduct	*-3.20*	
		For 316 Stainless Steel, Add	*39.52*	
		For Aluminum, Add	*2.22*	
		For Galvanized Steel, Add	*7.66*	
		For 304 Stainless Steel, Add	*35.20*	
05 12 23 00-0604	LF	6" x 2" x 3/16" Square Steel Tubing	20.90	7.52
		For >100 To 250, Deduct	*-0.75*	
		For >250 To 500, Deduct	*-1.27*	
		For >500 To 1,000, Deduct	*-2.05*	
		For >1,000, Deduct	*-2.82*	
		For 316 Stainless Steel, Add	*34.78*	
		For Aluminum, Add	*1.96*	
		For Galvanized Steel, Add	*6.74*	
		For 304 Stainless Steel, Add	*30.98*	
05 12 23 00-0605	LF	6" x 3" x 3/16" Square Steel Tubing	23.74	8.55
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.45*	
		For >500 To 1,000, Deduct	*-2.33*	
		For >1,000, Deduct	*-3.20*	
		For 316 Stainless Steel, Add	*39.52*	
		For Aluminum, Add	*2.22*	
		For Galvanized Steel, Add	*7.66*	
		For 304 Stainless Steel, Add	*35.20*	
05 12 23 00-0606	LF	6" x 4" x 3/16" Square Steel Tubing	26.55	9.56
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.62*	
		For >500 To 1,000, Deduct	*-2.60*	
		For >1,000, Deduct	*-3.58*	
		For 316 Stainless Steel, Add	*44.19*	
		For Aluminum, Add	*2.49*	
		For Galvanized Steel, Add	*8.56*	
		For 304 Stainless Steel, Add	*39.36*	

05 12 23 00-0607 1/4" Wall Thickness *(05 12 23 00-0596)*

05 12 23 00-0608	LF	3" x 2" x 1/4" Square Steel Tubing	13.30	4.54
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.79*	
		For >500 To 1,000, Deduct	*-1.27*	
		For >1,000, Deduct	*-1.76*	
		For 316 Stainless Steel, Add	*23.17*	
		For Aluminum, Add	*1.30*	
		For Galvanized Steel, Add	*4.49*	
		For 304 Stainless Steel, Add	*20.63*	
05 12 23 00-0609	LF	4" x 2" x 1/4" Square Steel Tubing	16.48	5.63
		For >100 To 250, Deduct	*-0.56*	
		For >250 To 500, Deduct	*-0.98*	
		For >500 To 1,000, Deduct	*-1.58*	
		For >1,000, Deduct	*-2.17*	
		For 316 Stainless Steel, Add	*28.70*	
		For Aluminum, Add	*1.61*	
		For Galvanized Steel, Add	*5.56*	
		For 304 Stainless Steel, Add	*25.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0610	LF	4" x 3" x 1/4" Square Steel Tubing	19.65	6.71
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-1.16*	
		For >500 To 1,000, Deduct	*-1.88*	
		For >1,000, Deduct	*-2.59*	
		For 316 Stainless Steel, Add	*34.24*	
		For Aluminum, Add	*1.93*	
		For Galvanized Steel, Add	*6.63*	
		For 304 Stainless Steel, Add	*30.50*	
05 12 23 00-0611	LF	5" x 2" x 1/4" Square Steel Tubing	19.65	6.71
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-1.16*	
		For >500 To 1,000, Deduct	*-1.88*	
		For >1,000, Deduct	*-2.59*	
		For 316 Stainless Steel, Add	*34.24*	
		For Aluminum, Add	*1.93*	
		For Galvanized Steel, Add	*6.63*	
		For 304 Stainless Steel, Add	*30.50*	
05 12 23 00-0612	LF	5" x 3" x 1/4" Square Steel Tubing	22.83	7.80
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-1.35*	
		For >500 To 1,000, Deduct	*-2.18*	
		For >1,000, Deduct	*-3.01*	
		For 316 Stainless Steel, Add	*39.78*	
		For Aluminum, Add	*2.24*	
		For Galvanized Steel, Add	*7.71*	
		For 304 Stainless Steel, Add	*35.43*	
05 12 23 00-0613	LF	5" x 4" x 1/4" Square Steel Tubing	26.02	8.89
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.54*	
		For >500 To 1,000, Deduct	*-2.49*	
		For >1,000, Deduct	*-3.43*	
		For 316 Stainless Steel, Add	*45.34*	
		For Aluminum, Add	*2.55*	
		For Galvanized Steel, Add	*8.79*	
		For 304 Stainless Steel, Add	*40.38*	
05 12 23 00-0614	LF	6" x 2" x 1/4" Square Steel Tubing	22.83	7.80
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-1.35*	
		For >500 To 1,000, Deduct	*-2.18*	
		For >1,000, Deduct	*-3.01*	
		For 316 Stainless Steel, Add	*39.78*	
		For Aluminum, Add	*2.24*	
		For Galvanized Steel, Add	*7.71*	
		For 304 Stainless Steel, Add	*35.43*	
05 12 23 00-0615	LF	6" x 3" x 1/4" Square Steel Tubing	26.02	8.89
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.54*	
		For >500 To 1,000, Deduct	*-2.49*	
		For >1,000, Deduct	*-3.43*	
		For 316 Stainless Steel, Add	*45.34*	
		For Aluminum, Add	*2.55*	
		For Galvanized Steel, Add	*8.79*	
		For 304 Stainless Steel, Add	*40.38*	
05 12 23 00-0616	LF	6" x 4" x 1/4" Square Steel Tubing	29.22	9.98
		For >100 To 250, Deduct	*-1.00*	
		For >250 To 500, Deduct	*-1.73*	
		For >500 To 1,000, Deduct	*-2.79*	
		For >1,000, Deduct	*-3.86*	
		For 316 Stainless Steel, Add	*50.91*	
		For Aluminum, Add	*2.86*	
		For Galvanized Steel, Add	*9.86*	
		For 304 Stainless Steel, Add	*45.34*	

05 12 23 00-0617 Round Steel Tubing *(05 12 23 00-0553)*

05 12 23 00-0618 0.065" Wall Thickness *(05 12 23 00-0617)*

05 12 23 00-0619	LF	1" Diameter x 0.065" Round Steel Tubing	2.66	0.83
		For >100 To 250, Deduct	*-0.08*	
		For >250 To 500, Deduct	*-0.15*	
		For >500 To 1,000, Deduct	*-0.24*	
		For >1,000, Deduct	*-0.34*	
		For 316 Stainless Steel, Add	*4.96*	
		For Aluminum, Add	*0.28*	
		For Galvanized Steel, Add	*0.96*	
		For 304 Stainless Steel, Add	*4.42*	
05 12 23 00-0620	LF	1-1/4" Diameter x 0.065" Round Steel Tubing	3.36	1.05
		For >100 To 250, Deduct	*-0.11*	
		For >250 To 500, Deduct	*-0.19*	
		For >500 To 1,000, Deduct	*-0.31*	
		For >1,000, Deduct	*-0.43*	
		For 316 Stainless Steel, Add	*6.27*	
		For Aluminum, Add	*0.35*	
		For Galvanized Steel, Add	*1.22*	
		For 304 Stainless Steel, Add	*5.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0621	LF	1-1/2" Diameter x 0.065" Round Steel Tubing	4.08	1.27
		For >100 To 250, Deduct	*-0.13*	
		For >250 To 500, Deduct	*-0.23*	
		For >500 To 1,000, Deduct	*-0.37*	
		For >1,000, Deduct	*-0.52*	
		For 316 Stainless Steel, Add	*7.62*	
		For Aluminum, Add	*0.43*	
		For Galvanized Steel, Add	*1.48*	
		For 304 Stainless Steel, Add	*6.78*	
05 12 23 00-0622	LF	2" Diameter x 0.065" Round Steel Tubing	5.48	1.71
		For >100 To 250, Deduct	*-0.17*	
		For >250 To 500, Deduct	*-0.31*	
		For >500 To 1,000, Deduct	*-0.50*	
		For >1,000, Deduct	*-0.70*	
		For 316 Stainless Steel, Add	*10.24*	
		For Aluminum, Add	*0.58*	
		For Galvanized Steel, Add	*1.98*	
		For 304 Stainless Steel, Add	*9.12*	
05 12 23 00-0623	LF	2-1/2" Diameter x 0.065" Round Steel Tubing	6.91	2.16
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.39*	
		For >500 To 1,000, Deduct	*-0.63*	
		For >1,000, Deduct	*-0.88*	
		For 316 Stainless Steel, Add	*12.90*	
		For Aluminum, Add	*0.73*	
		For Galvanized Steel, Add	*2.50*	
		For 304 Stainless Steel, Add	*11.49*	
05 12 23 00-0624	LF	3" Diameter x 0.065" Round Steel Tubing	8.33	2.61
		For >100 To 250, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.47*	
		For >500 To 1,000, Deduct	*-0.76*	
		For >1,000, Deduct	*-1.06*	
		For 316 Stainless Steel, Add	*15.55*	
		For Aluminum, Add	*0.87*	
		For Galvanized Steel, Add	*3.01*	
		For 304 Stainless Steel, Add	*13.85*	
05 12 23 00-0625	LF	3-1/2" Diameter x 0.065" Round Steel Tubing	9.76	3.05
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.55*	
		For >500 To 1,000, Deduct	*-0.90*	
		For >1,000, Deduct	*-1.24*	
		For 316 Stainless Steel, Add	*18.21*	
		For Aluminum, Add	*1.02*	
		For Galvanized Steel, Add	*3.53*	
		For 304 Stainless Steel, Add	*16.22*	
05 12 23 00-0626	LF	4" Diameter x 0.065" Round Steel Tubing	11.17	3.49
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.63*	
		For >500 To 1,000, Deduct	*-1.02*	
		For >1,000, Deduct	*-1.42*	
		For 316 Stainless Steel, Add	*20.86*	
		For Aluminum, Add	*1.17*	
		For Galvanized Steel, Add	*4.04*	
		For 304 Stainless Steel, Add	*18.58*	

05 12 23 00-0627 0.083" Wall Thickness *(05 12 23 00-0617)*

05 12 23 00-0628	LF	1" Diameter x 0.083" Round Steel Tubing	2.89	0.91
		For >100 To 250, Deduct	*-0.09*	
		For >250 To 500, Deduct	*-0.16*	
		For >500 To 1,000, Deduct	*-0.27*	
		For >1,000, Deduct	*-0.37*	
		For 316 Stainless Steel, Add	*5.38*	
		For Aluminum, Add	*0.30*	
		For Galvanized Steel, Add	*1.04*	
		For 304 Stainless Steel, Add	*4.79*	
05 12 23 00-0629	LF	1-1/4" Diameter x 0.083" Round Steel Tubing	3.67	1.16
		For >100 To 250, Deduct	*-0.12*	
		For >250 To 500, Deduct	*-0.21*	
		For >500 To 1,000, Deduct	*-0.34*	
		For >1,000, Deduct	*-0.47*	
		For 316 Stainless Steel, Add	*6.82*	
		For Aluminum, Add	*0.38*	
		For Galvanized Steel, Add	*1.32*	
		For 304 Stainless Steel, Add	*6.07*	
05 12 23 00-0630	LF	1-1/2" Diameter x 0.083" Round Steel Tubing	4.46	1.41
		For >100 To 250, Deduct	*-0.14*	
		For >250 To 500, Deduct	*-0.25*	
		For >500 To 1,000, Deduct	*-0.41*	
		For >1,000, Deduct	*-0.57*	
		For 316 Stainless Steel, Add	*8.29*	
		For Aluminum, Add	*0.47*	
		For Galvanized Steel, Add	*1.61*	
		For 304 Stainless Steel, Add	*7.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0631	LF	2" Diameter x 0.083" Round Steel Tubing	6.04	1.90
		For >100 To 250, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.34*	
		For >500 To 1,000, Deduct	*-0.56*	
		For >1,000, Deduct	*-0.77*	
		For 316 Stainless Steel, Add	*11.20*	
		For Aluminum, Add	*0.63*	
		For Galvanized Steel, Add	*2.17*	
		For 304 Stainless Steel, Add	*9.98*	
05 12 23 00-0632	LF	2-1/2" Diameter x 0.083" Round Steel Tubing	7.61	2.40
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.43*	
		For >500 To 1,000, Deduct	*-0.70*	
		For >1,000, Deduct	*-0.97*	
		For 316 Stainless Steel, Add	*14.14*	
		For Aluminum, Add	*0.80*	
		For Galvanized Steel, Add	*2.74*	
		For 304 Stainless Steel, Add	*12.60*	
05 12 23 00-0633	LF	3" Diameter x 0.083" Round Steel Tubing	9.19	2.89
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.52*	
		For >500 To 1,000, Deduct	*-0.85*	
		For >1,000, Deduct	*-1.17*	
		For 316 Stainless Steel, Add	*17.06*	
		For Aluminum, Add	*0.96*	
		For Galvanized Steel, Add	*3.30*	
		For 304 Stainless Steel, Add	*15.19*	
05 12 23 00-0634	LF	3-1/2" Diameter x 0.083" Round Steel Tubing	10.76	3.38
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.61*	
		For >500 To 1,000, Deduct	*-0.99*	
		For >1,000, Deduct	*-1.37*	
		For 316 Stainless Steel, Add	*19.97*	
		For Aluminum, Add	*1.12*	
		For Galvanized Steel, Add	*3.87*	
		For 304 Stainless Steel, Add	*17.78*	
05 12 23 00-0635	LF	4" Diameter x 0.083" Round Steel Tubing	12.32	3.89
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.70*	
		For >500 To 1,000, Deduct	*-1.13*	
		For >1,000, Deduct	*-1.57*	
		For 316 Stainless Steel, Add	*22.88*	
		For Aluminum, Add	*1.29*	
		For Galvanized Steel, Add	*4.43*	
		For 304 Stainless Steel, Add	*20.38*	

05 12 23 00-0636 0.125" Wall Thickness *(05 12 23 00-0617)*

05 12 23 00-0637	LF	2" Diameter x 0.125" Round Steel Tubing	6.64	2.40
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.41*	
		For >500 To 1,000, Deduct	*-0.65*	
		For >1,000, Deduct	*-0.90*	
		For 316 Stainless Steel, Add	*11.01*	
		For Aluminum, Add	*0.62*	
		For Galvanized Steel, Add	*2.13*	
		For 304 Stainless Steel, Add	*9.80*	
05 12 23 00-0638	LF	2-1/2" Diameter x 0.125" Round Steel Tubing	8.41	3.04
		For >100 To 250, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-0.51*	
		For >500 To 1,000, Deduct	*-0.83*	
		For >1,000, Deduct	*-1.14*	
		For 316 Stainless Steel, Add	*13.92*	
		For Aluminum, Add	*0.78*	
		For Galvanized Steel, Add	*2.70*	
		For 304 Stainless Steel, Add	*12.40*	
05 12 23 00-0639	LF	3" Diameter x 0.125" Round Steel Tubing	10.17	3.67
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.62*	
		For >500 To 1,000, Deduct	*-1.00*	
		For >1,000, Deduct	*-1.38*	
		For 316 Stainless Steel, Add	*16.86*	
		For Aluminum, Add	*0.95*	
		For Galvanized Steel, Add	*3.27*	
		For 304 Stainless Steel, Add	*15.02*	
05 12 23 00-0640	LF	3-1/2" Diameter x 0.125" Round Steel Tubing	11.95	4.32
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.73*	
		For >500 To 1,000, Deduct	*-1.17*	
		For >1,000, Deduct	*-1.62*	
		For 316 Stainless Steel, Add	*19.81*	
		For Aluminum, Add	*1.11*	
		For Galvanized Steel, Add	*3.84*	
		For 304 Stainless Steel, Add	*17.64*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0641	LF	4" Diameter x 0.125" Round Steel Tubing	13.71	4.95
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.84*	
		For >500 To 1,000, Deduct	*-1.35*	
		For >1,000, Deduct	*-1.85*	
		For 316 Stainless Steel, Add	*22.72*	
		For Aluminum, Add	*1.28*	
		For Galvanized Steel, Add	*4.40*	
		For 304 Stainless Steel, Add	*20.24*	

05 13 Structural Stainless-Steel Framing *(05 10)*

05 13 00 00-0001 Stainless Steel Tube *(05 13)*

05 13 00 00-0002	LF	1" x 1" Stainless Steel Tube	23.33	
05 13 00 00-0003	LF	1-1/2" x 1-1/2" Stainless Steel Tube	30.26	
05 13 00 00-0004	LF	2" x 2" Stainless Steel Tube	40.15	

05 14 Structural Aluminum Framing *(05 10)*

05 14 16 Structural Aluminum Framing *(05 14)*

05 14 16 00-0001 Rolled Or Plate Shapes *(05 14 16)*

Note: 1" through 10" member.

05 14 16 00-0002	LB	Structural Aluminum, Up To 2,000 LB / Order 1" To 10" Rolled / Plate Structural Members	7.56	3.98
05 14 16 00-0003	LB	Structural Aluminum, >2,000 - 9,999 LB / Order 1" To 10" Rolled / Plate Structural Members	7.31	2.68

05 14 16 00-0004 Aluminum Extrusions *(05 14 16)*

05 14 16 00-0005	LB	Aluminum Extrusions, Stock Shapes 1" To 10" Rolled / Plate Structural Members	6.76	2.68
05 14 16 00-0006	LB	Aluminum Extrusions, Custom Shapes 1" To 10" Rolled / Plate Structural Members	6.99	2.68

05 14 16 00-0007 Aluminum Tubing *(05 14 16)*

05 14 16 00-0008	LB	Aluminum Extrusions, Tubular Shapes 1" To 10" Rolled / Plate Structural Members	8.09	2.89
05 14 16 00-0009	LF	1" x 1" Aluminum Tubing, 1/8" Wall Thickness	10.59	4.68
05 14 16 00-0010	LF	1-1/4" x 1-1/4" Aluminum Tubing, 1/8" Wall Thickness	11.93	5.11
05 14 16 00-0011	LF	1-1/2" x 1-1/2" Aluminum Tubing, 1/8" Wall Thickness	13.85	5.96
05 14 16 00-0012	LF	2" x 2" Aluminum Tubing, 1/8" Wall Thickness	15.33	6.39
05 14 16 00-0013	LF	4" x 4" Aluminum Tubing, 1/4" Wall Thickness	27.99	8.09
05 14 16 00-0014	LF	2" x 5" Aluminum Tubing, 1/4" Wall Thickness	23.89	7.24

05 14 16 00-0015 Columns *(05 14 16)*

Note: Baked on paint finish, load bearing.

05 14 16 00-0016 Round Columns *(05 14 16 00-0015)*

05 14 16 00-0017	LF	6" Diameter Aluminum Column	21.83	5.53
05 14 16 00-0018	LF	8" Diameter Aluminum Column	29.00	7.93
05 14 16 00-0019	LF	10" Diameter Aluminum Column	34.40	8.92
05 14 16 00-0020	LF	12" Diameter Aluminum Column	46.40	9.33
05 14 16 00-0021	LF	15" Diameter Aluminum Column	57.84	10.82
05 14 16 00-0022	EA	6" Diameter Aluminum Base And Cap	40.73	10.32
05 14 16 00-0023	EA	8" Diameter Aluminum Base And Cap	45.75	11.15
05 14 16 00-0024	EA	10" Diameter Aluminum Base And Cap	55.61	12.38
05 14 16 00-0025	EA	12" Diameter Aluminum Base And Cap	85.69	13.21
05 14 16 00-0026	EA	15" Diameter Aluminum Base And Cap	123.84	14.45

05 14 16 00-0027 Octagonal Columns *(05 14 16 00-0015)*

05 14 16 00-0028	LF	6" Diameter Aluminum Column	22.79	5.53
05 14 16 00-0029	LF	8" Diameter Aluminum Column	31.63	7.93
05 14 16 00-0030	LF	10" Diameter Aluminum Column	37.71	8.92
05 14 16 00-0031	LF	12" Diameter Aluminum Column	51.96	9.33
05 14 16 00-0032	LF	15" Diameter Aluminum Column	65.10	10.82
05 14 16 00-0033	EA	6" Diameter Aluminum Base And Cap	44.74	10.32
05 14 16 00-0034	EA	8" Diameter Aluminum Base And Cap	50.45	11.15
05 14 16 00-0035	EA	10" Diameter Aluminum Base And Cap	61.78	12.38
05 14 16 00-0036	EA	12" Diameter Aluminum Base And Cap	97.55	13.21
05 14 16 00-0037	EA	15" Diameter Aluminum Base And Cap	142.83	14.45

05 14 16 00-0038 Fluted Columns *(05 14 16 00-0015)*

05 14 16 00-0039	LF	6" Diameter Aluminum Column	24.56	5.53
05 14 16 00-0040	LF	8" Diameter Aluminum Column	33.99	7.93
05 14 16 00-0041	LF	10" Diameter Aluminum Column	40.70	8.92
05 14 16 00-0042	LF	12" Diameter Aluminum Column	56.97	9.33
05 14 16 00-0043	LF	15" Diameter Aluminum Column	71.63	10.82
05 14 16 00-0044	EA	6" Diameter Aluminum Base And Cap	48.36	10.32
05 14 16 00-0045	EA	8" Diameter Aluminum Base And Cap	54.67	11.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 14 16 00-0046	EA	10" Diameter Aluminum Base And Cap	67.33	12.38
05 14 16 00-0047	EA	12" Diameter Aluminum Base And Cap	108.21	13.21
05 14 16 00-0048	EA	15" Diameter Aluminum Base And Cap	159.92	14.45
05 14 16 00-0049		Square Columns *(05 14 16 00-0015)*		
05 14 16 00-0050	LF	6" Aluminum Column	25.78	5.53
05 14 16 00-0051	LF	8" Aluminum Column	35.60	7.93
05 14 16 00-0052	LF	10" Aluminum Column	42.74	8.92
05 14 16 00-0053	LF	12" Aluminum Column	60.39	9.33
05 14 16 00-0054	LF	15" Aluminum Column	76.10	10.82
05 14 16 00-0055	EA	6" Aluminum Base And Cap	50.83	10.32
05 14 16 00-0056	EA	8" Aluminum Base And Cap	57.56	11.15
05 14 16 00-0057	EA	10" Aluminum Base And Cap	71.13	12.38
05 14 16 00-0058	EA	12" Aluminum Base And Cap	115.51	13.21
05 14 16 00-0059	EA	15" Aluminum Base And Cap	171.61	14.45
05 14 16 00-0060		Ornamental Or Decorative Cap And Bases *(05 14 16 00-0015)*		
05 14 16 00-0061	EA	8" Corinthian Capital And Base	229.17	12.38
05 14 16 00-0062	EA	10" Corinthian Capital And Base	332.44	14.45
05 14 16 00-0063	EA	12" Corinthian Capital And Base	517.82	16.51
05 14 16 00-0064	EA	8" Scamozzi Capital And Base	121.73	12.38
05 14 16 00-0065	EA	10" Scamozzi Capital And Base	160.36	14.45
05 14 16 00-0066	EA	12" Scamozzi Capital And Base	306.61	16.51

05 15 Wire Rope Assemblies *(05 10)*

05 15 16 Steel Wire Rope Assemblies *(05 15)*

Note: IWRC = Independent Wire Rope Center; IPS = Improved Plow Steel; XIP = Extra Improved Plow Steel.

05 15 16 00-0001		6x7 Class Bright, IPS, Fiber Core *(05 15 16)*		
05 15 16 00-0002	LF	1/16" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core	0.31	0.06
		For 7x7 Strand Core, Add	*0.01*	
		For <100, Add	*0.08*	
		For >500 To 1,000, Deduct	*-0.02*	
		For >1,000 To 2,000, Deduct	*-0.02*	
		For >2,000, Deduct	*-0.03*	
05 15 16 00-0003	LF	3/32" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core	0.35	0.07
		For 7x7 Strand Core, Add	*0.01*	
		For <100, Add	*0.09*	
		For >500 To 1,000, Deduct	*-0.02*	
		For >1,000 To 2,000, Deduct	*-0.03*	
		For >2,000, Deduct	*-0.04*	
05 15 16 00-0004	LF	1/8" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core	0.46	0.08
		For 7x7 Strand Core, Add	*0.02*	
		For <100, Add	*0.13*	
		For >500 To 1,000, Deduct	*-0.02*	
		For >1,000 To 2,000, Deduct	*-0.03*	
		For >2,000, Deduct	*-0.05*	
05 15 16 00-0005	LF	5/32" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core	0.50	0.08
		For 7x7 Strand Core, Add	*0.02*	
		For <100, Add	*0.14*	
		For >500 To 1,000, Deduct	*-0.03*	
		For >1,000 To 2,000, Deduct	*-0.04*	
		For >2,000, Deduct	*-0.05*	
05 15 16 00-0006	LF	3/16" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core	0.72	0.08
		For 7x7 Strand Core, Add	*0.03*	
		For <100, Add	*0.21*	
		For >500 To 1,000, Deduct	*-0.04*	
		For >1,000 To 2,000, Deduct	*-0.05*	
		For >2,000, Deduct	*-0.07*	
05 15 16 00-0007	LF	1/4" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core	0.94	0.08
		For 7x7 Strand Core, Add	*0.04*	
		For <100, Add	*0.29*	
		For >500 To 1,000, Deduct	*-0.05*	
		For >1,000 To 2,000, Deduct	*-0.07*	
		For >2,000, Deduct	*-0.09*	
05 15 16 00-0008	LF	5/16" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core	1.19	0.08
		For 7x7 Strand Core, Add	*0.05*	
		For <100, Add	*0.36*	
		For >500 To 1,000, Deduct	*-0.06*	
		For >1,000 To 2,000, Deduct	*-0.09*	
		For >2,000, Deduct	*-0.12*	
05 15 16 00-0009	LF	3/8" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core	1.51	0.08
		For 7x7 Strand Core, Add	*0.06*	
		For <100, Add	*0.46*	
		For >500 To 1,000, Deduct	*-0.08*	
		For >1,000 To 2,000, Deduct	*-0.11*	
		For >2,000, Deduct	*-0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0010	LF	7/16" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core	1.86	0.17
		For 7x7 Strand Core, Add	*0.07*	
		For <100, Add	*0.55*	
		For >500 To 1,000, Deduct	*-0.09*	
		For >1,000 To 2,000, Deduct	*-0.14*	
		For >2,000, Deduct	*-0.19*	
05 15 16 00-0011	LF	1/2" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core	2.20	0.17
		For 7x7 Strand Core, Add	*0.08*	
		For <100, Add	*0.64*	
		For >500 To 1,000, Deduct	*-0.11*	
		For >1,000 To 2,000, Deduct	*-0.17*	
		For >2,000, Deduct	*-0.22*	
05 15 16 00-0012	LF	9/16" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core	2.68	0.25
		For 7x7 Strand Core, Add	*0.09*	
		For <100, Add	*0.77*	
		For >500 To 1,000, Deduct	*-0.13*	
		For >1,000 To 2,000, Deduct	*-0.20*	
		For >2,000, Deduct	*-0.27*	
05 15 16 00-0013	LF	5/8" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core	3.08	0.34
		For 7x7 Strand Core, Add	*0.10*	
		For <100, Add	*0.88*	
		For >500 To 1,000, Deduct	*-0.15*	
		For >1,000 To 2,000, Deduct	*-0.23*	
		For >2,000, Deduct	*-0.31*	
05 15 16 00-0014	LF	3/4" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core	4.14	0.42
		For 7x7 Strand Core, Add	*0.14*	
		For <100, Add	*1.16*	
		For >500 To 1,000, Deduct	*-0.21*	
		For >1,000 To 2,000, Deduct	*-0.31*	
		For >2,000, Deduct	*-0.41*	

05 15 16 00-0015 8x19 Class Bright, IPS, Fiber Core *(05 15 16)*

05 15 16 00-0016	LF	3/16" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core	1.04	0.08
		For <100, Add	*0.32*	
		For >500 To 1,000, Deduct	*-0.05*	
		For >1,000 To 2,000, Deduct	*-0.08*	
		For >2,000, Deduct	*-0.10*	
05 15 16 00-0017	LF	1/4" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core	1.55	0.08
		For <100, Add	*0.50*	
		For >500 To 1,000, Deduct	*-0.08*	
		For >1,000 To 2,000, Deduct	*-0.12*	
		For >2,000, Deduct	*-0.16*	
05 15 16 00-0018	LF	5/16" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core	1.79	0.08
		For <100, Add	*0.57*	
		For >500 To 1,000, Deduct	*-0.09*	
		For >1,000 To 2,000, Deduct	*-0.13*	
		For >2,000, Deduct	*-0.18*	
05 15 16 00-0019	LF	3/8" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core	2.09	0.08
		For <100, Add	*0.66*	
		For >500 To 1,000, Deduct	*-0.10*	
		For >1,000 To 2,000, Deduct	*-0.16*	
		For >2,000, Deduct	*-0.21*	
05 15 16 00-0020	LF	7/16" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core	2.49	0.17
		For <100, Add	*0.77*	
		For >500 To 1,000, Deduct	*-0.12*	
		For >1,000 To 2,000, Deduct	*-0.19*	
		For >2,000, Deduct	*-0.25*	
05 15 16 00-0021	LF	1/2" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core	2.86	0.17
		For <100, Add	*0.87*	
		For >500 To 1,000, Deduct	*-0.14*	
		For >1,000 To 2,000, Deduct	*-0.21*	
		For >2,000, Deduct	*-0.29*	
05 15 16 00-0022	LF	9/16" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core	3.38	0.25
		For <100, Add	*1.01*	
		For >500 To 1,000, Deduct	*-0.17*	
		For >1,000 To 2,000, Deduct	*-0.25*	
		For >2,000, Deduct	*-0.34*	
05 15 16 00-0023	LF	5/8" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core	4.07	0.34
		For <100, Add	*1.22*	
		For >500 To 1,000, Deduct	*-0.20*	
		For >1,000 To 2,000, Deduct	*-0.31*	
		For >2,000, Deduct	*-0.41*	
05 15 16 00-0024	LF	3/4" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core	5.69	0.42
		For <100, Add	*1.70*	
		For >500 To 1,000, Deduct	*-0.28*	
		For >1,000 To 2,000, Deduct	*-0.43*	
		For >2,000, Deduct	*-0.57*	
05 15 16 00-0025	LF	7/8" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core	7.57	0.59
		For <100, Add	*2.24*	
		For >500 To 1,000, Deduct	*-0.38*	
		For >1,000 To 2,000, Deduct	*-0.57*	
		For >2,000, Deduct	*-0.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0026	LF	1" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core	9.52	0.86
		For <100, Add	*2.79*	
		For >500 To 1,000, Deduct	*-0.48*	
		For >1,000 To 2,000, Deduct	*-0.71*	
		For >2,000, Deduct	*-0.95*	
05 15 16 00-0027	LF	1-1/8" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core	6.97	1.03
		For <100, Add	*1.76*	
		For >500 To 1,000, Deduct	*-0.35*	
		For >1,000 To 2,000, Deduct	*-0.52*	
		For >2,000, Deduct	*-0.70*	
05 15 16 00-0028	LF	1-1/4" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core	14.37	1.28
		For <100, Add	*4.18*	
		For >500 To 1,000, Deduct	*-0.72*	
		For >1,000 To 2,000, Deduct	*-1.08*	
		For >2,000, Deduct	*-1.44*	
05 15 16 00-0029	LF	1-3/8" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core	17.27	1.53
		For <100, Add	*5.03*	
		For >500 To 1,000, Deduct	*-0.86*	
		For >1,000 To 2,000, Deduct	*-1.30*	
		For >2,000, Deduct	*-1.73*	
05 15 16 00-0030	LF	1-1/2" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core	20.53	1.87
		For <100, Add	*5.97*	
		For >500 To 1,000, Deduct	*-1.03*	
		For >1,000 To 2,000, Deduct	*-1.54*	
		For >2,000, Deduct	*-2.05*	

05 15 16 00-0031 6x19 Class Bright, IPS, IWRC *(05 15 16)*

05 15 16 00-0032	LF	1/4" Diameter 6x19 Class Bright Wire Rope IPS, IWRC	1.48	0.08
		For <100, Add	*0.48*	
		For >500 To 1,000, Deduct	*-0.07*	
		For >1,000 To 2,000, Deduct	*-0.11*	
		For >2,000, Deduct	*-0.15*	
		For 7x19 Strand Core, Add	*0.26*	
		For Heavy Duty IWRC Rating, Add	*0.32*	
		For 7x19 Galvanized, Add	*0.70*	
05 15 16 00-0033	LF	5/16" Diameter 6x19 Class Bright Wire Rope IPS, IWRC	1.74	0.08
		For <100, Add	*0.55*	
		For >500 To 1,000, Deduct	*-0.09*	
		For >1,000 To 2,000, Deduct	*-0.13*	
		For >2,000, Deduct	*-0.17*	
		For 7x19 Strand Core, Add	*0.29*	
		For Heavy Duty IWRC Rating, Add	*0.36*	
		For 7x19 Galvanized, Add	*0.79*	
05 15 16 00-0034	LF	3/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC	2.10	0.17
		For <100, Add	*0.65*	
		For >500 To 1,000, Deduct	*-0.11*	
		For >1,000 To 2,000, Deduct	*-0.16*	
		For >2,000, Deduct	*-0.21*	
		For 7x19 Strand Core, Add	*0.33*	
		For Heavy Duty IWRC Rating, Add	*0.42*	
		For 7x19 Galvanized, Add	*0.91*	
05 15 16 00-0035	LF	7/16" Diameter 6x19 Class Bright Wire Rope IPS, IWRC	2.47	0.17
		For <100, Add	*0.75*	
		For >500 To 1,000, Deduct	*-0.12*	
		For >1,000 To 2,000, Deduct	*-0.19*	
		For >2,000, Deduct	*-0.25*	
		For 7x19 Strand Core, Add	*0.38*	
		For Heavy Duty IWRC Rating, Add	*0.47*	
		For 7x19 Galvanized, Add	*1.03*	
05 15 16 00-0036	LF	1/2" Diameter 6x19 Class Bright Wire Rope IPS, IWRC	2.90	0.25
		For <100, Add	*0.86*	
		For >500 To 1,000, Deduct	*-0.15*	
		For >1,000 To 2,000, Deduct	*-0.22*	
		For >2,000, Deduct	*-0.29*	
		For 7x19 Strand Core, Add	*0.42*	
		For Heavy Duty IWRC Rating, Add	*0.53*	
		For 7x19 Galvanized, Add	*1.16*	
05 15 16 00-0037	LF	9/16" Diameter 6x19 Class Bright Wire Rope IPS, IWRC	3.43	0.34
		For <100, Add	*1.00*	
		For >500 To 1,000, Deduct	*-0.17*	
		For >1,000 To 2,000, Deduct	*-0.26*	
		For >2,000, Deduct	*-0.34*	
		For 7x19 Strand Core, Add	*0.48*	
		For Heavy Duty IWRC Rating, Add	*0.61*	
		For 7x19 Galvanized, Add	*1.33*	
05 15 16 00-0038	LF	5/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC	3.95	0.34
		For <100, Add	*1.13*	
		For >500 To 1,000, Deduct	*-0.20*	
		For >1,000 To 2,000, Deduct	*-0.30*	
		For >2,000, Deduct	*-0.40*	
		For 7x19 Strand Core, Add	*0.54*	
		For Heavy Duty IWRC Rating, Add	*0.68*	
		For 7x19 Galvanized, Add	*1.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0039	LF	3/4" Diameter 6x19 Class Bright Wire Rope IPS, IWRC	5.59	0.59
		For <100, Add	*1.60*	
		For >500 To 1,000, Deduct	*-0.28*	
		For >1,000 To 2,000, Deduct	*-0.42*	
		For >2,000, Deduct	*-0.56*	
		For 7x19 Strand Core, Add	*0.76*	
		For Heavy Duty IWRC Rating, Add	*0.95*	
		For 7x19 Galvanized, Add	*2.09*	
05 15 16 00-0040	LF	7/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC	7.39	0.68
		For <100, Add	*2.10*	
		For >500 To 1,000, Deduct	*-0.37*	
		For >1,000 To 2,000, Deduct	*-0.55*	
		For >2,000, Deduct	*-0.74*	
		For 7x19 Strand Core, Add	*0.99*	
		For Heavy Duty IWRC Rating, Add	*1.24*	
		For 7x19 Galvanized, Add	*2.72*	
05 15 16 00-0041	LF	1" Diameter 6x19 Class Bright Wire Rope IPS, IWRC	9.30	0.94
		For <100, Add	*2.61*	
		For >500 To 1,000, Deduct	*-0.47*	
		For >1,000 To 2,000, Deduct	*-0.70*	
		For >2,000, Deduct	*-0.93*	
		For 7x19 Strand Core, Add	*1.22*	
		For Heavy Duty IWRC Rating, Add	*1.52*	
		For 7x19 Galvanized, Add	*3.35*	
05 15 16 00-0042	LF	1-1/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC	11.52	1.19
		For <100, Add	*3.23*	
		For >500 To 1,000, Deduct	*-0.58*	
		For >1,000 To 2,000, Deduct	*-0.86*	
		For >2,000, Deduct	*-1.15*	
		For 7x19 Strand Core, Add	*1.51*	
		For Heavy Duty IWRC Rating, Add	*1.88*	
		For 7x19 Galvanized, Add	*4.14*	
05 15 16 00-0043	LF	1-1/4" Diameter 6x19 Class Bright Wire Rope IPS, IWRC	13.74	1.45
		For <100, Add	*3.84*	
		For >500 To 1,000, Deduct	*-0.69*	
		For >1,000 To 2,000, Deduct	*-1.03*	
		For >2,000, Deduct	*-1.37*	
		For 7x19 Strand Core, Add	*1.77*	
		For Heavy Duty IWRC Rating, Add	*2.22*	
		For 7x19 Galvanized, Add	*4.88*	
05 15 16 00-0044	LF	1-3/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC	16.67	1.79
		For <100, Add	*4.64*	
		For >500 To 1,000, Deduct	*-0.83*	
		For >1,000 To 2,000, Deduct	*-1.25*	
		For >2,000, Deduct	*-1.67*	
		For 7x19 Strand Core, Add	*2.14*	
		For Heavy Duty IWRC Rating, Add	*2.67*	
		For 7x19 Galvanized, Add	*5.88*	
05 15 16 00-0045	LF	1-1/2" Diameter 6x19 Class Bright Wire Rope IPS, IWRC	19.77	2.13
		For <100, Add	*5.50*	
		For >500 To 1,000, Deduct	*-0.99*	
		For >1,000 To 2,000, Deduct	*-1.48*	
		For >2,000, Deduct	*-1.98*	
		For 7x19 Strand Core, Add	*2.53*	
		For Heavy Duty IWRC Rating, Add	*3.17*	
		For 7x19 Galvanized, Add	*6.97*	
05 15 16 00-0046	LF	1-5/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC	23.53	2.47
		For <100, Add	*6.57*	
		For >500 To 1,000, Deduct	*-1.18*	
		For >1,000 To 2,000, Deduct	*-1.76*	
		For >2,000, Deduct	*-2.35*	
		For 7x19 Strand Core, Add	*3.04*	
		For Heavy Duty IWRC Rating, Add	*3.81*	
		For 7x19 Galvanized, Add	*8.37*	
05 15 16 00-0047	LF	1-3/4" Diameter 6x19 Class Bright Wire Rope IPS, IWRC	31.53	4.14
		For <100, Add	*8.30*	
		For >500 To 1,000, Deduct	*-1.58*	
		For >1,000 To 2,000, Deduct	*-2.36*	
		For >2,000, Deduct	*-3.15*	
		For 7x19 Strand Core, Add	*3.57*	
		For Heavy Duty IWRC Rating, Add	*4.47*	
		For 7x19 Galvanized, Add	*9.83*	
05 15 16 00-0048	LF	1-7/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC	36.22	4.69
		For <100, Add	*9.54*	
		For >500 To 1,000, Deduct	*-1.81*	
		For >1,000 To 2,000, Deduct	*-2.72*	
		For >2,000, Deduct	*-3.62*	
		For 7x19 Strand Core, Add	*4.11*	
		For Heavy Duty IWRC Rating, Add	*5.14*	
		For 7x19 Galvanized, Add	*11.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0049	LF	2" Diameter 6x19 Class Bright Wire Rope IPS, IWRC	41.61	5.41
		For <100, Add	*10.96*	
		For >500 To 1,000, Deduct	*-2.08*	
		For >1,000 To 2,000, Deduct	*-3.12*	
		For >2,000, Deduct	*-4.16*	
		For 7x19 Strand Core, Add	*4.72*	
		For Heavy Duty IWRC Rating, Add	*5.90*	
		For 7x19 Galvanized, Add	*12.97*	
05 15 16 00-0050	LF	2-1/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC	46.86	6.04
		For <100, Add	*12.40*	
		For >500 To 1,000, Deduct	*-2.34*	
		For >1,000 To 2,000, Deduct	*-3.51*	
		For >2,000, Deduct	*-4.69*	
		For 7x19 Strand Core, Add	*5.37*	
		For Heavy Duty IWRC Rating, Add	*6.71*	
		For 7x19 Galvanized, Add	*14.76*	
05 15 16 00-0051	LF	2-1/4" Diameter 6x19 Class Bright Wire Rope IPS, IWRC	53.13	6.76
		For <100, Add	*14.09*	
		For >500 To 1,000, Deduct	*-2.66*	
		For >1,000 To 2,000, Deduct	*-3.98*	
		For >2,000, Deduct	*-5.31*	
		For 7x19 Strand Core, Add	*6.12*	
		For Heavy Duty IWRC Rating, Add	*7.65*	
		For 7x19 Galvanized, Add	*16.83*	

05 15 16 00-0052 6x37 Class Bright, IPS, IWRC *(05 15 16)*

05 15 16 00-0053	LF	1/4" Diameter 6x37 Class Bright Wire Rope IPS, IWRC	1.86	0.08
		For <100, Add	*0.61*	
		For >500 To 1,000, Deduct	*-0.09*	
		For >1,000 To 2,000, Deduct	*-0.14*	
		For >2,000, Deduct	*-0.19*	
		For XIPS Wire, Add	*0.05*	
05 15 16 00-0054	LF	5/16" Diameter 6x37 Class Bright Wire Rope IPS, IWRC	2.21	0.08
		For <100, Add	*0.71*	
		For >500 To 1,000, Deduct	*-0.11*	
		For >1,000 To 2,000, Deduct	*-0.17*	
		For >2,000, Deduct	*-0.22*	
		For XIPS Wire, Add	*0.05*	
05 15 16 00-0055	LF	3/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC	2.67	0.17
		For <100, Add	*0.85*	
		For >500 To 1,000, Deduct	*-0.13*	
		For >1,000 To 2,000, Deduct	*-0.20*	
		For >2,000, Deduct	*-0.27*	
		For XIPS Wire, Add	*0.06*	
05 15 16 00-0056	LF	7/16" Diameter 6x37 Class Bright Wire Rope IPS, IWRC	3.08	0.17
		For <100, Add	*0.96*	
		For >500 To 1,000, Deduct	*-0.15*	
		For >1,000 To 2,000, Deduct	*-0.23*	
		For >2,000, Deduct	*-0.31*	
		For XIPS Wire, Add	*0.07*	
05 15 16 00-0057	LF	1/2" Diameter 6x37 Class Bright Wire Rope IPS, IWRC	3.60	0.25
		For <100, Add	*1.10*	
		For >500 To 1,000, Deduct	*-0.18*	
		For >1,000 To 2,000, Deduct	*-0.27*	
		For >2,000, Deduct	*-0.36*	
		For XIPS Wire, Add	*0.09*	
05 15 16 00-0058	LF	9/16" Diameter 6x37 Class Bright Wire Rope IPS, IWRC	4.17	0.34
		For <100, Add	*1.26*	
		For >500 To 1,000, Deduct	*-0.21*	
		For >1,000 To 2,000, Deduct	*-0.31*	
		For >2,000, Deduct	*-0.42*	
		For XIPS Wire, Add	*0.10*	
05 15 16 00-0059	LF	5/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC	4.75	0.34
		For <100, Add	*1.41*	
		For >500 To 1,000, Deduct	*-0.24*	
		For >1,000 To 2,000, Deduct	*-0.36*	
		For >2,000, Deduct	*-0.48*	
		For XIPS Wire, Add	*0.11*	
05 15 16 00-0060	LF	3/4" Diameter 6x37 Class Bright Wire Rope IPS, IWRC	6.35	0.59
		For <100, Add	*1.86*	
		For >500 To 1,000, Deduct	*-0.32*	
		For >1,000 To 2,000, Deduct	*-0.48*	
		For >2,000, Deduct	*-0.64*	
		For XIPS Wire, Add	*0.15*	
05 15 16 00-0061	LF	7/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC	8.21	0.68
		For <100, Add	*2.39*	
		For >500 To 1,000, Deduct	*-0.41*	
		For >1,000 To 2,000, Deduct	*-0.62*	
		For >2,000, Deduct	*-0.82*	
		For XIPS Wire, Add	*0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0062	LF	1" Diameter 6x37 Class Bright Wire Rope IPS, IWRC	10.33	0.94
		For <100, Add	*2.99*	
		For >500 To 1,000, Deduct	*-0.52*	
		For >1,000 To 2,000, Deduct	*-0.77*	
		For >2,000, Deduct	*-1.03*	
		For XIPS Wire, Add	*0.24*	
05 15 16 00-0063	LF	1-1/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC	12.83	1.19
		For <100, Add	*3.68*	
		For >500 To 1,000, Deduct	*-0.64*	
		For >1,000 To 2,000, Deduct	*-0.96*	
		For >2,000, Deduct	*-1.28*	
		For XIPS Wire, Add	*0.30*	
05 15 16 00-0064	LF	1-1/4" Diameter 6x37 Class Bright Wire Rope IPS, IWRC	15.30	1.45
		For <100, Add	*4.38*	
		For >500 To 1,000, Deduct	*-0.77*	
		For >1,000 To 2,000, Deduct	*-1.15*	
		For >2,000, Deduct	*-1.53*	
		For XIPS Wire, Add	*0.36*	
05 15 16 00-0065	LF	1-3/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC	18.14	1.79
		For <100, Add	*5.15*	
		For >500 To 1,000, Deduct	*-0.91*	
		For >1,000 To 2,000, Deduct	*-1.36*	
		For >2,000, Deduct	*-1.81*	
		For XIPS Wire, Add	*0.42*	
05 15 16 00-0066	LF	1-1/2" Diameter 6x37 Class Bright Wire Rope IPS, IWRC	21.58	2.13
		For <100, Add	*6.13*	
		For >500 To 1,000, Deduct	*-1.08*	
		For >1,000 To 2,000, Deduct	*-1.62*	
		For >2,000, Deduct	*-2.16*	
		For XIPS Wire, Add	*0.50*	
05 15 16 00-0067	LF	1-5/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC	25.91	2.56
		For <100, Add	*7.36*	
		For >500 To 1,000, Deduct	*-1.30*	
		For >1,000 To 2,000, Deduct	*-1.94*	
		For >2,000, Deduct	*-2.59*	
		For XIPS Wire, Add	*0.61*	
05 15 16 00-0068	LF	1-3/4" Diameter 6x37 Class Bright Wire Rope IPS, IWRC	34.47	4.14
		For <100, Add	*9.29*	
		For >500 To 1,000, Deduct	*-1.72*	
		For >1,000 To 2,000, Deduct	*-2.59*	
		For >2,000, Deduct	*-3.45*	
		For XIPS Wire, Add	*0.79*	
05 15 16 00-0069	LF	1-7/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC	39.85	4.69
		For <100, Add	*10.81*	
		For >500 To 1,000, Deduct	*-1.99*	
		For >1,000 To 2,000, Deduct	*-2.99*	
		For >2,000, Deduct	*-3.99*	
		For XIPS Wire, Add	*0.92*	
05 15 16 00-0070	LF	2" Diameter 6x37 Class Bright Wire Rope IPS, IWRC	45.47	5.41
		For <100, Add	*12.31*	
		For >500 To 1,000, Deduct	*-2.27*	
		For >1,000 To 2,000, Deduct	*-3.41*	
		For >2,000, Deduct	*-4.55*	
		For XIPS Wire, Add	*1.05*	
05 15 16 00-0071	LF	2-1/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC	51.26	6.04
		For <100, Add	*13.94*	
		For >500 To 1,000, Deduct	*-2.56*	
		For >1,000 To 2,000, Deduct	*-3.84*	
		For >2,000, Deduct	*-5.13*	
		For XIPS Wire, Add	*1.18*	
05 15 16 00-0072	LF	2-1/4" Diameter 6x37 Class Bright Wire Rope IPS, IWRC	57.85	6.76
		For <100, Add	*15.74*	
		For >500 To 1,000, Deduct	*-2.89*	
		For >1,000 To 2,000, Deduct	*-4.34*	
		For >2,000, Deduct	*-5.79*	
		For XIPS Wire, Add	*1.33*	

05 15 16 00-0073 6x19 And 6x37 Swaged Wire Rope *(05 15 16)*

05 15 16 00-0074	LF	1/2" Diameter 6x19 And 6x37 Swaged Wire Rope	5.08	0.34
		For <100, Add	*1.55*	
		For >500 To 1,000, Deduct	*-0.25*	
		For >1,000 To 2,000, Deduct	*-0.38*	
		For >2,000, Deduct	*-0.51*	
05 15 16 00-0075	LF	9/16" Diameter 6x19 And 6x37 Swaged Wire Rope	5.70	0.34
		For <100, Add	*1.76*	
		For >500 To 1,000, Deduct	*-0.29*	
		For >1,000 To 2,000, Deduct	*-0.43*	
		For >2,000, Deduct	*-0.57*	
05 15 16 00-0076	LF	5/8" Diameter 6x19 And 6x37 Swaged Wire Rope	7.05	0.42
		For <100, Add	*2.17*	
		For >500 To 1,000, Deduct	*-0.35*	
		For >1,000 To 2,000, Deduct	*-0.53*	
		For >2,000, Deduct	*-0.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0077	LF	3/4" Diameter 6x19 And 6x37 Swaged Wire Rope	8.70	0.68
		For <100, Add	*2.62*	
		For >500 To 1,000, Deduct	*-0.44*	
		For >1,000 To 2,000, Deduct	*-0.65*	
		For >2,000, Deduct	*-0.87*	
05 15 16 00-0078	LF	7/8" Diameter 6x19 And 6x37 Swaged Wire Rope	10.82	0.86
		For <100, Add	*3.22*	
		For >500 To 1,000, Deduct	*-0.54*	
		For >1,000 To 2,000, Deduct	*-0.81*	
		For >2,000, Deduct	*-1.08*	
05 15 16 00-0079	LF	1" Diameter 6x19 And 6x37 Swaged Wire Rope	13.38	1.11
		For <100, Add	*3.93*	
		For >500 To 1,000, Deduct	*-0.67*	
		For >1,000 To 2,000, Deduct	*-1.00*	
		For >2,000, Deduct	*-1.34*	
05 15 16 00-0080	LF	1-1/8" Diameter 6x19 And 6x37 Swaged Wire Rope	16.83	1.45
		For <100, Add	*4.93*	
		For >500 To 1,000, Deduct	*-0.84*	
		For >1,000 To 2,000, Deduct	*-1.26*	
		For >2,000, Deduct	*-1.68*	
05 15 16 00-0081	LF	1-1/4" Diameter 6x19 And 6x37 Swaged Wire Rope	20.12	1.79
		For <100, Add	*5.86*	
		For >500 To 1,000, Deduct	*-1.01*	
		For >1,000 To 2,000, Deduct	*-1.51*	
		For >2,000, Deduct	*-2.01*	
05 15 16 00-0082	LF	1-3/8" Diameter 6x19 And 6x37 Swaged Wire Rope	23.62	2.13
		For <100, Add	*6.84*	
		For >500 To 1,000, Deduct	*-1.18*	
		For >1,000 To 2,000, Deduct	*-1.77*	
		For >2,000, Deduct	*-2.36*	
05 15 16 00-0083	LF	1-1/2" Diameter 6x19 And 6x37 Swaged Wire Rope	31.86	3.61
		For <100, Add	*8.75*	
		For >500 To 1,000, Deduct	*-1.59*	
		For >1,000 To 2,000, Deduct	*-2.39*	
		For >2,000, Deduct	*-3.19*	

05 15 16 00-0084 Flattened Strand Wire Rope, IPS, Fiber Core *(05 15 16)*

05 15 16 00-0085	LF	5/8" Diameter Flattened Strand Wire Rope IPS, Fiber Core	6.53	0.34
		For <100, Add	*2.05*	
		For >500 To 1,000, Deduct	*-0.33*	
		For >1,000 To 2,000, Deduct	*-0.49*	
		For >2,000, Deduct	*-0.65*	
05 15 16 00-0086	LF	3/4" Diameter Flattened Strand Wire Rope IPS, Fiber Core	8.83	0.51
		For <100, Add	*2.75*	
		For >500 To 1,000, Deduct	*-0.44*	
		For >1,000 To 2,000, Deduct	*-0.66*	
		For >2,000, Deduct	*-0.88*	
05 15 16 00-0087	LF	7/8" Diameter Flattened Strand Wire Rope IPS, Fiber Core	11.18	0.68
		For <100, Add	*3.44*	
		For >500 To 1,000, Deduct	*-0.56*	
		For >1,000 To 2,000, Deduct	*-0.84*	
		For >2,000, Deduct	*-1.12*	
05 15 16 00-0088	LF	1" Diameter Flattened Strand Wire Rope IPS, Fiber Core	13.69	0.94
		For <100, Add	*4.18*	
		For >500 To 1,000, Deduct	*-0.68*	
		For >1,000 To 2,000, Deduct	*-1.03*	
		For >2,000, Deduct	*-1.37*	
05 15 16 00-0089	LF	1-1/8" Diameter Flattened Strand Wire Rope IPS, Fiber Core	16.59	1.19
		For <100, Add	*5.02*	
		For >500 To 1,000, Deduct	*-0.83*	
		For >1,000 To 2,000, Deduct	*-1.24*	
		For >2,000, Deduct	*-1.66*	
05 15 16 00-0090	LF	1-1/4" Diameter Flattened Strand Wire Rope IPS, Fiber Core	20.08	1.45
		For <100, Add	*6.07*	
		For >500 To 1,000, Deduct	*-1.00*	
		For >1,000 To 2,000, Deduct	*-1.51*	
		For >2,000, Deduct	*-2.01*	
05 15 16 00-0091	LF	1-3/8" Diameter Flattened Strand Wire Rope IPS, Fiber Core	24.22	1.70
		For <100, Add	*7.32*	
		For >500 To 1,000, Deduct	*-1.21*	
		For >1,000 To 2,000, Deduct	*-1.82*	
		For >2,000, Deduct	*-2.42*	
05 15 16 00-0092	LF	1-1/2" Diameter Flattened Strand Wire Rope IPS, Fiber Core	29.68	2.13
		For <100, Add	*9.00*	
		For >500 To 1,000, Deduct	*-1.48*	
		For >1,000 To 2,000, Deduct	*-2.23*	
		For >2,000, Deduct	*-2.97*	
05 15 16 00-0093	LF	1-5/8" Diameter Flattened Strand Wire Rope IPS, Fiber Core	35.42	2.47
		For <100, Add	*10.78*	
		For >500 To 1,000, Deduct	*-1.77*	
		For >1,000 To 2,000, Deduct	*-2.66*	
		For >2,000, Deduct	*-3.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0094	LF	1-3/4" Diameter Flattened Strand Wire Rope IPS, Fiber Core	45.43	3.96
		For <100, Add	*13.28*	
		For >500 To 1,000, Deduct	*-2.27*	
		For >1,000 To 2,000, Deduct	*-3.41*	
		For >2,000, Deduct	*-4.54*	

05 15 16 00-0095 Flattened Strand Wire Rope, XIP, IWRC *(05 15 16)*

05 15 16 00-0096	LF	5/8" Diameter Flattened Strand Wire Rope XIPS, IWRC	6.59	0.34
		For <100, Add	*2.05*	
		For >500 To 1,000, Deduct	*-0.33*	
		For >1,000 To 2,000, Deduct	*-0.49*	
		For >2,000, Deduct	*-0.66*	
05 15 16 00-0097	LF	3/4" Diameter Flattened Strand Wire Rope XIPS, IWRC	8.91	0.59
		For <100, Add	*2.76*	
		For >500 To 1,000, Deduct	*-0.45*	
		For >1,000 To 2,000, Deduct	*-0.67*	
		For >2,000, Deduct	*-0.89*	
05 15 16 00-0098	LF	7/8" Diameter Flattened Strand Wire Rope XIPS, IWRC	11.30	0.76
		For <100, Add	*3.46*	
		For >500 To 1,000, Deduct	*-0.57*	
		For >1,000 To 2,000, Deduct	*-0.85*	
		For >2,000, Deduct	*-1.13*	
05 15 16 00-0099	LF	1" Diameter Flattened Strand Wire Rope XIPS, IWRC	13.84	0.94
		For <100, Add	*4.20*	
		For >500 To 1,000, Deduct	*-0.69*	
		For >1,000 To 2,000, Deduct	*-1.04*	
		For >2,000, Deduct	*-1.38*	
05 15 16 00-0100	LF	1-1/8" Diameter Flattened Strand Wire Rope XIPS, IWRC	16.75	1.19
		For <100, Add	*5.05*	
		For >500 To 1,000, Deduct	*-0.84*	
		For >1,000 To 2,000, Deduct	*-1.26*	
		For >2,000, Deduct	*-1.68*	
05 15 16 00-0101	LF	1-1/4" Diameter Flattened Strand Wire Rope XIPS, IWRC	20.32	1.53
		For <100, Add	*6.10*	
		For >500 To 1,000, Deduct	*-1.02*	
		For >1,000 To 2,000, Deduct	*-1.52*	
		For >2,000, Deduct	*-2.03*	
05 15 16 00-0102	LF	1-3/8" Diameter Flattened Strand Wire Rope XIPS, IWRC	24.52	1.87
		For <100, Add	*7.37*	
		For >500 To 1,000, Deduct	*-1.23*	
		For >1,000 To 2,000, Deduct	*-1.84*	
		For >2,000, Deduct	*-2.45*	
05 15 16 00-0103	LF	1-1/2" Diameter Flattened Strand Wire Rope XIPS, IWRC	29.97	2.21
		For <100, Add	*9.04*	
		For >500 To 1,000, Deduct	*-1.50*	
		For >1,000 To 2,000, Deduct	*-2.25*	
		For >2,000, Deduct	*-3.00*	
05 15 16 00-0104	LF	1-5/8" Diameter Flattened Strand Wire Rope XIPS, IWRC	39.33	3.61
		For <100, Add	*11.36*	
		For >500 To 1,000, Deduct	*-1.97*	
		For >1,000 To 2,000, Deduct	*-2.95*	
		For >2,000, Deduct	*-3.93*	
05 15 16 00-0105	LF	1-3/4" Diameter Flattened Strand Wire Rope XIPS, IWRC	46.74	4.32
		For <100, Add	*13.48*	
		For >500 To 1,000, Deduct	*-2.34*	
		For >1,000 To 2,000, Deduct	*-3.51*	
		For >2,000, Deduct	*-4.67*	

05 15 16 00-0106 5x19 Coated Wire Rope, Bright, IPS, Fiber Core *(05 15 16)*

05 15 16 00-0107	LF	9/16" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	4.79	0.08
		For <100, Add	*1.60*	
		For >500 To 1,000, Deduct	*-0.24*	
		For >1,000 To 2,000, Deduct	*-0.36*	
		For >2,000, Deduct	*-0.48*	
05 15 16 00-0108	LF	5/8" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	5.38	0.17
		For <100, Add	*1.79*	
		For >500 To 1,000, Deduct	*-0.27*	
		For >1,000 To 2,000, Deduct	*-0.40*	
		For >2,000, Deduct	*-0.54*	
05 15 16 00-0109	LF	11/16" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	5.85	0.17
		For <100, Add	*1.92*	
		For >500 To 1,000, Deduct	*-0.29*	
		For >1,000 To 2,000, Deduct	*-0.44*	
		For >2,000, Deduct	*-0.59*	
05 15 16 00-0110	LF	3/4" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	6.48	0.17
		For <100, Add	*2.13*	
		For >500 To 1,000, Deduct	*-0.32*	
		For >1,000 To 2,000, Deduct	*-0.49*	
		For >2,000, Deduct	*-0.65*	
05 15 16 00-0111	LF	13/16" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	7.17	0.25
		For <100, Add	*2.33*	
		For >500 To 1,000, Deduct	*-0.36*	
		For >1,000 To 2,000, Deduct	*-0.54*	
		For >2,000, Deduct	*-0.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0112	LF	7/8" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	7.80	0.34
		For <100, Add	*2.52*	
		For >500 To 1,000, Deduct	*-0.39*	
		For >1,000 To 2,000, Deduct	*-0.59*	
		For >2,000, Deduct	*-0.78*	
05 15 16 00-0113	LF	1" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	9.46	0.42
		For <100, Add	*3.03*	
		For >500 To 1,000, Deduct	*-0.47*	
		For >1,000 To 2,000, Deduct	*-0.71*	
		For >2,000, Deduct	*-0.95*	
05 15 16 00-0114	LF	1-1/8" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	11.62	0.59
		For <100, Add	*3.69*	
		For >500 To 1,000, Deduct	*-0.58*	
		For >1,000 To 2,000, Deduct	*-0.87*	
		For >2,000, Deduct	*-1.16*	
05 15 16 00-0115	LF	1-1/4" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	13.69	0.68
		For <100, Add	*4.34*	
		For >500 To 1,000, Deduct	*-0.68*	
		For >1,000 To 2,000, Deduct	*-1.03*	
		For >2,000, Deduct	*-1.37*	
05 15 16 00-0116	LF	1-3/8" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	16.37	0.86
		For <100, Add	*5.15*	
		For >500 To 1,000, Deduct	*-0.82*	
		For >1,000 To 2,000, Deduct	*-1.23*	
		For >2,000, Deduct	*-1.64*	
05 15 16 00-0117	LF	1-1/2" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	19.21	1.11
		For <100, Add	*6.01*	
		For >500 To 1,000, Deduct	*-0.96*	
		For >1,000 To 2,000, Deduct	*-1.44*	
		For >2,000, Deduct	*-1.92*	
05 15 16 00-0118	LF	1-5/8" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	22.62	1.36
		For <100, Add	*7.03*	
		For >500 To 1,000, Deduct	*-1.13*	
		For >1,000 To 2,000, Deduct	*-1.70*	
		For >2,000, Deduct	*-2.26*	
05 15 16 00-0119	LF	1-3/4" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	27.02	1.62
		For <100, Add	*8.39*	
		For >500 To 1,000, Deduct	*-1.35*	
		For >1,000 To 2,000, Deduct	*-2.03*	
		For >2,000, Deduct	*-2.70*	

05 15 16 00-0120 19x7 Rotation Resistant Wire Rope, IPS *(05 15 16)*

05 15 16 00-0121	LF	3/16" Diameter 19x7 Rotation Resistant Wire Rope IPS	1.45	0.08
		For <100, Add	*0.47*	
		For >500 To 1,000, Deduct	*-0.07*	
		For >1,000 To 2,000, Deduct	*-0.11*	
		For >2,000, Deduct	*-0.15*	
05 15 16 00-0122	LF	1/4" Diameter 19x7 Rotation Resistant Wire Rope IPS	1.71	0.08
		For <100, Add	*0.56*	
		For >500 To 1,000, Deduct	*-0.09*	
		For >1,000 To 2,000, Deduct	*-0.13*	
		For >2,000, Deduct	*-0.17*	
05 15 16 00-0123	LF	5/16" Diameter 19x7 Rotation Resistant Wire Rope IPS	2.15	0.08
		For <100, Add	*0.69*	
		For >500 To 1,000, Deduct	*-0.11*	
		For >1,000 To 2,000, Deduct	*-0.16*	
		For >2,000, Deduct	*-0.22*	
05 15 16 00-0124	LF	3/8" Diameter 19x7 Rotation Resistant Wire Rope IPS	2.40	0.17
		For <100, Add	*0.76*	
		For >500 To 1,000, Deduct	*-0.12*	
		For >1,000 To 2,000, Deduct	*-0.18*	
		For >2,000, Deduct	*-0.24*	
05 15 16 00-0125	LF	7/16" Diameter 19x7 Rotation Resistant Wire Rope IPS	2.82	0.17
		For <100, Add	*0.87*	
		For >500 To 1,000, Deduct	*-0.14*	
		For >1,000 To 2,000, Deduct	*-0.21*	
		For >2,000, Deduct	*-0.28*	
05 15 16 00-0126	LF	1/2" Diameter 19x7 Rotation Resistant Wire Rope IPS	3.05	0.17
		For <100, Add	*0.95*	
		For >500 To 1,000, Deduct	*-0.15*	
		For >1,000 To 2,000, Deduct	*-0.23*	
		For >2,000, Deduct	*-0.31*	
05 15 16 00-0127	LF	9/16" Diameter 19x7 Rotation Resistant Wire Rope IPS	3.73	0.34
		For <100, Add	*1.11*	
		For >500 To 1,000, Deduct	*-0.19*	
		For >1,000 To 2,000, Deduct	*-0.28*	
		For >2,000, Deduct	*-0.37*	
05 15 16 00-0128	LF	5/8" Diameter 19x7 Rotation Resistant Wire Rope IPS	4.44	0.34
		For <100, Add	*1.31*	
		For >500 To 1,000, Deduct	*-0.22*	
		For >1,000 To 2,000, Deduct	*-0.33*	
		For >2,000, Deduct	*-0.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0129	LF	3/4" Diameter 19x7 Rotation Resistant Wire Rope IPS	6.46	0.51
		For <100, Add	*1.91*	
		For >500 To 1,000, Deduct	*-0.32*	
		For >1,000 To 2,000, Deduct	*-0.48*	
		For >2,000, Deduct	*-0.65*	
05 15 16 00-0130	LF	7/8" Diameter 19x7 Rotation Resistant Wire Rope IPS	8.40	0.68
		For <100, Add	*2.47*	
		For >500 To 1,000, Deduct	*-0.42*	
		For >1,000 To 2,000, Deduct	*-0.63*	
		For >2,000, Deduct	*-0.84*	
05 15 16 00-0131	LF	1" Diameter 19x7 Rotation Resistant Wire Rope IPS	10.50	0.94
		For <100, Add	*3.06*	
		For >500 To 1,000, Deduct	*-0.53*	
		For >1,000 To 2,000, Deduct	*-0.79*	
		For >2,000, Deduct	*-1.05*	
05 15 16 00-0132	LF	1-1/8" Diameter 19x7 Rotation Resistant Wire Rope IPS	12.87	1.19
		For <100, Add	*3.71*	
		For >500 To 1,000, Deduct	*-0.64*	
		For >1,000 To 2,000, Deduct	*-0.97*	
		For >2,000, Deduct	*-1.29*	
05 15 16 00-0133	LF	1-1/4" Diameter 19x7 Rotation Resistant Wire Rope IPS	15.53	1.45
		For <100, Add	*4.46*	
		For >500 To 1,000, Deduct	*-0.78*	
		For >1,000 To 2,000, Deduct	*-1.16*	
		For >2,000, Deduct	*-1.55*	
05 15 16 00-0134	LF	1-3/8" Diameter 19x7 Rotation Resistant Wire Rope IPS	18.42	1.79
		For <100, Add	*5.27*	
		For >500 To 1,000, Deduct	*-0.92*	
		For >1,000 To 2,000, Deduct	*-1.38*	
		For >2,000, Deduct	*-1.84*	
05 15 16 00-0135	LF	1-1/2" Diameter 19x7 Rotation Resistant Wire Rope IPS	21.38	2.13
		For <100, Add	*6.09*	
		For >500 To 1,000, Deduct	*-1.07*	
		For >1,000 To 2,000, Deduct	*-1.60*	
		For >2,000, Deduct	*-2.14*	

05 15 16 00-0136 8x19 Class Bright, Rotation Resistant, XIPS, IWRC *(05 15 16)*

05 15 16 00-0137	LF	3/8" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright	2.55	0.17
		For <100, Add	*0.80*	
		For >500 To 1,000, Deduct	*-0.13*	
		For >1,000 To 2,000, Deduct	*-0.19*	
		For >2,000, Deduct	*-0.26*	
05 15 16 00-0138	LF	7/16" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright	3.00	0.17
		For <100, Add	*0.93*	
		For >500 To 1,000, Deduct	*-0.15*	
		For >1,000 To 2,000, Deduct	*-0.23*	
		For >2,000, Deduct	*-0.30*	
05 15 16 00-0139	LF	1/2" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright	3.46	0.25
		For <100, Add	*1.05*	
		For >500 To 1,000, Deduct	*-0.17*	
		For >1,000 To 2,000, Deduct	*-0.26*	
		For >2,000, Deduct	*-0.35*	
05 15 16 00-0140	LF	9/16" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright	4.06	0.34
		For <100, Add	*1.22*	
		For >500 To 1,000, Deduct	*-0.20*	
		For >1,000 To 2,000, Deduct	*-0.30*	
		For >2,000, Deduct	*-0.41*	
05 15 16 00-0141	LF	5/8" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright	4.73	0.34
		For <100, Add	*1.41*	
		For >500 To 1,000, Deduct	*-0.24*	
		For >1,000 To 2,000, Deduct	*-0.35*	
		For >2,000, Deduct	*-0.47*	
05 15 16 00-0142	LF	3/4" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright	6.69	0.59
		For <100, Add	*1.98*	
		For >500 To 1,000, Deduct	*-0.33*	
		For >1,000 To 2,000, Deduct	*-0.50*	
		For >2,000, Deduct	*-0.67*	
05 15 16 00-0143	LF	7/8" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright	8.84	0.68
		For <100, Add	*2.60*	
		For >500 To 1,000, Deduct	*-0.44*	
		For >1,000 To 2,000, Deduct	*-0.66*	
		For >2,000, Deduct	*-0.88*	
05 15 16 00-0144	LF	1" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright	11.09	0.94
		For <100, Add	*3.24*	
		For >500 To 1,000, Deduct	*-0.55*	
		For >1,000 To 2,000, Deduct	*-0.83*	
		For >2,000, Deduct	*-1.11*	
05 15 16 00-0145	LF	1-1/8" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright	13.54	1.19
		For <100, Add	*3.93*	
		For >500 To 1,000, Deduct	*-0.68*	
		For >1,000 To 2,000, Deduct	*-1.02*	
		For >2,000, Deduct	*-1.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0146	LF	1-1/4" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright	16.18	1.45
		For <100, Add	*4.66*	
		For >500 To 1,000, Deduct	*-0.81*	
		For >1,000 To 2,000, Deduct	*-1.21*	
		For >2,000, Deduct	*-1.62*	
05 15 16 00-0147	LF	1-3/8" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright	19.54	1.87
		For <100, Add	*5.62*	
		For >500 To 1,000, Deduct	*-0.98*	
		For >1,000 To 2,000, Deduct	*-1.47*	
		For >2,000, Deduct	*-1.95*	
05 15 16 00-0148	LF	1-1/2" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright	23.36	2.21
		For <100, Add	*6.69*	
		For >500 To 1,000, Deduct	*-1.17*	
		For >1,000 To 2,000, Deduct	*-1.75*	
		For >2,000, Deduct	*-2.34*	

05 15 16 00-0149 Heavy Duty Galvanized Wire Rope Thimbles *(05 15 16)*

05 15 16 00-0150	EA	1/4" Diameter Heavy Duty Galvanized Wire Rope Thimbles	9.35	2.56
05 15 16 00-0151	EA	5/16" Diameter Heavy Duty Galvanized Wire Rope Thimbles	9.89	2.56
05 15 16 00-0152	EA	3/8" Diameter Heavy Duty Galvanized Wire Rope Thimbles	10.50	2.56
05 15 16 00-0153	EA	7/16" Diameter Heavy Duty Galvanized Wire Rope Thimbles	12.00	2.56
05 15 16 00-0154	EA	1/2" Diameter Heavy Duty Galvanized Wire Rope Thimbles	12.09	2.56
05 15 16 00-0155	EA	9/16" Diameter Heavy Duty Galvanized Wire Rope Thimbles	12.09	2.56
05 15 16 00-0156	EA	5/8" Diameter Heavy Duty Galvanized Wire Rope Thimbles	12.60	2.56
05 15 16 00-0157	EA	3/4" Diameter Heavy Duty Galvanized Wire Rope Thimbles	21.56	3.92
05 15 16 00-0158	EA	7/8" Diameter Heavy Duty Galvanized Wire Rope Thimbles	25.77	4.77
05 15 16 00-0159	EA	1" Diameter Heavy Duty Galvanized Wire Rope Thimbles	44.27	7.84
05 15 16 00-0160	EA	1-1/8" Diameter Heavy Duty Galvanized Wire Rope Thimbles	62.35	10.65
05 15 16 00-0161	EA	1-1/4" Diameter Heavy Duty Galvanized Wire Rope Thimbles	64.68	10.65
05 15 16 00-0162	EA	1-3/8" Diameter Heavy Duty Galvanized Wire Rope Thimbles	129.71	22.24
05 15 16 00-0163	EA	1-1/2" Diameter Heavy Duty Galvanized Wire Rope Thimbles	185.86	31.94
05 15 16 00-0164	EA	1-5/8" Diameter Heavy Duty Galvanized Wire Rope Thimbles	277.69	35.77
05 15 16 00-0165	EA	1-3/4" Diameter Heavy Duty Galvanized Wire Rope Thimbles	327.68	42.59
05 15 16 00-0166	EA	1-7/8" Diameter Heavy Duty Galvanized Wire Rope Thimbles	429.90	53.66
05 15 16 00-0167	EA	2" Diameter Heavy Duty Galvanized Wire Rope Thimbles	448.79	53.66
05 15 16 00-0168	EA	2-1/4" Diameter Heavy Duty Galvanized Wire Rope Thimbles	645.99	85.19

05 15 16 00-0169 Galvanized Wire Rope Clips *(05 15 16)*

05 15 16 00-0170	EA	1/8" Diameter Galvanized Wire Rope Clips	11.10	2.56
05 15 16 00-0171	EA	3/16" Diameter Galvanized Wire Rope Clips	11.30	2.56
05 15 16 00-0172	EA	1/4" Diameter Galvanized Wire Rope Clips	12.44	2.56
05 15 16 00-0173	EA	5/16" Diameter Galvanized Wire Rope Clips	12.57	2.56
05 15 16 00-0174	EA	3/8" Diameter Galvanized Wire Rope Clips	12.86	2.56
05 15 16 00-0175	EA	7/16" Diameter Galvanized Wire Rope Clips	15.41	2.56
05 15 16 00-0176	EA	1/2" Diameter Galvanized Wire Rope Clips	15.41	2.56
05 15 16 00-0177	EA	9/16" Diameter Galvanized Wire Rope Clips	17.55	2.56
05 15 16 00-0178	EA	5/8" Diameter Galvanized Wire Rope Clips	17.55	2.56
05 15 16 00-0179	EA	3/4" Diameter Galvanized Wire Rope Clips	24.50	3.40
05 15 16 00-0180	EA	7/8" Diameter Galvanized Wire Rope Clips	37.08	5.11
05 15 16 00-0181	EA	1" Diameter Galvanized Wire Rope Clips	40.09	5.11
05 15 16 00-0182	EA	1-1/8" Diameter Galvanized Wire Rope Clips	48.04	6.81
05 15 16 00-0183	EA	1-1/4" Diameter Galvanized Wire Rope Clips	70.44	10.23
05 15 16 00-0184	EA	1-3/8" Diameter Galvanized Wire Rope Clips	85.16	11.07
05 15 16 00-0185	EA	1-1/2" Diameter Galvanized Wire Rope Clips	93.20	12.77
05 15 16 00-0186	EA	1-5/8" Diameter Galvanized Wire Rope Clips	136.61	16.19
05 15 16 00-0187	EA	1-3/4" Diameter Galvanized Wire Rope Clips	181.92	21.30
05 15 16 00-0188	EA	2" Diameter Galvanized Wire Rope Clips	221.69	28.11
05 15 16 00-0189	EA	2-1/4" Diameter Galvanized Wire Rope Clips	296.71	35.77
05 15 16 00-0190	EA	2-1/2" Diameter Galvanized Wire Rope Clips	330.06	39.19
05 15 16 00-0191	EA	2-3/4" Diameter Galvanized Wire Rope Clips	470.16	47.70
05 15 16 00-0192	EA	3" Diameter Galvanized Wire Rope Clips	630.07	70.70

05 15 16 00-0193 Open Swage Sockets *(05 15 16)*

05 15 16 00-0194	EA	1/4" Diameter Open Swage Sockets	50.57	2.56
05 15 16 00-0195	EA	5/16" Diameter Open Swage Sockets	61.93	2.56
05 15 16 00-0196	EA	3/8" Diameter Open Swage Sockets	65.31	3.40
05 15 16 00-0197	EA	7/16" Diameter Open Swage Sockets	78.88	4.26
05 15 16 00-0198	EA	1/2" Diameter Open Swage Sockets	78.88	4.26
05 15 16 00-0199	EA	9/16" Diameter Open Swage Sockets	121.74	9.37
05 15 16 00-0200	EA	5/8" Diameter Open Swage Sockets	121.74	9.37
05 15 16 00-0201	EA	3/4" Diameter Open Swage Sockets	165.83	17.89
05 15 16 00-0202	EA	7/8" Diameter Open Swage Sockets	225.37	25.56
05 15 16 00-0203	EA	1" Diameter Open Swage Sockets	323.23	39.19
05 15 16 00-0204	EA	1-1/8" Diameter Open Swage Sockets	444.86	61.33
05 15 16 00-0205	EA	1-1/4" Diameter Open Swage Sockets	518.76	70.70
05 15 16 00-0206	EA	1-3/8" Diameter Open Swage Sockets	694.88	93.70
05 15 16 00-0207	EA	1-1/2" Diameter Open Swage Sockets	1,001.00	119.26
05 15 16 00-0208	EA	1-3/4" Diameter Open Swage Sockets	1,481.31	144.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0209	EA	2" Diameter Open Swage Sockets	2,516.49	281.10
05 15 16 00-0210		**Closed Swage Sockets** *(05 15 16)*		
05 15 16 00-0211	EA	1/4" Diameter Closed Swage Sockets	33.05	2.56
05 15 16 00-0212	EA	5/16" Diameter Closed Swage Sockets	43.33	2.56
05 15 16 00-0213	EA	3/8" Diameter Closed Swage Sockets	51.08	2.56
05 15 16 00-0214	EA	7/16" Diameter Closed Swage Sockets	54.73	3.40
05 15 16 00-0215	EA	1/2" Diameter Closed Swage Sockets	60.36	3.40
05 15 16 00-0216	EA	9/16" Diameter Closed Swage Sockets	79.22	5.96
05 15 16 00-0217	EA	5/8" Diameter Closed Swage Sockets	83.28	6.81
05 15 16 00-0218	EA	3/4" Diameter Closed Swage Sockets	106.81	11.07
05 15 16 00-0219	EA	7/8" Diameter Closed Swage Sockets	142.00	16.19
05 15 16 00-0220	EA	1" Diameter Closed Swage Sockets	203.12	22.14
05 15 16 00-0221	EA	1-1/8" Diameter Closed Swage Sockets	256.49	30.67
05 15 16 00-0222	EA	1-1/4" Diameter Closed Swage Sockets	359.06	47.70
05 15 16 00-0223	EA	1-3/8" Diameter Closed Swage Sockets	470.44	61.33
05 15 16 00-0224	EA	1-1/2" Diameter Closed Swage Sockets	648.58	85.19
05 15 16 00-0225	EA	1-3/4" Diameter Closed Swage Sockets	880.29	110.73
05 15 16 00-0226	EA	2" Diameter Closed Swage Sockets	1,566.71	170.36
05 15 16 00-0227		**Open Spelter Sockets Galvanized** *(05 15 16)*		
05 15 16 00-0228	EA	1/4" Open Spelter Sockets, Galvanized	47.04	2.56
05 15 16 00-0229	EA	5/16" Open Spelter Sockets, Galvanized	49.84	2.56
05 15 16 00-0230	EA	3/8" Open Spelter Sockets, Galvanized	54.10	2.56
05 15 16 00-0231	EA	7/16" Open Spelter Sockets, Galvanized	60.20	5.11
05 15 16 00-0232	EA	1/2" Open Spelter Sockets, Galvanized	64.70	5.11
05 15 16 00-0233	EA	9/16" Open Spelter Sockets, Galvanized	84.40	8.52
05 15 16 00-0234	EA	5/8" Open Spelter Sockets, Galvanized	89.92	8.52
05 15 16 00-0235	EA	3/4" Open Spelter Sockets, Galvanized	112.59	12.77
05 15 16 00-0236	EA	7/8" Open Spelter Sockets, Galvanized	173.35	21.30
05 15 16 00-0237	EA	1" Open Spelter Sockets, Galvanized	299.06	33.22
05 15 16 00-0238	EA	1-1/8" Open Spelter Sockets, Galvanized	390.09	53.66
05 15 16 00-0239	EA	1-1/4" Open Spelter Sockets, Galvanized	523.95	70.70
05 15 16 00-0240	EA	1-3/8" Open Spelter Sockets, Galvanized	550.43	70.70
05 15 16 00-0241	EA	1-1/2" Open Spelter Sockets, Galvanized	889.00	93.70
05 15 16 00-0242	EA	1-5/8" Open Spelter Sockets, Galvanized	1,061.18	119.26
05 15 16 00-0243	EA	1-3/4" Open Spelter Sockets, Galvanized	1,606.37	187.40
05 15 16 00-0244	EA	1-7/8" Open Spelter Sockets, Galvanized	1,701.42	187.40
05 15 16 00-0245	EA	2" Open Spelter Sockets, Galvanized	2,135.81	281.10
05 15 16 00-0246	EA	2-1/8" Open Spelter Sockets, Galvanized	2,245.16	281.10
05 15 16 00-0247	EA	2-1/2" Open Spelter Sockets, Galvanized	2,773.37	357.77
05 15 16 00-0248	EA	2-3/8" Open Spelter Sockets, Galvanized	2,922.38	357.77
05 15 16 00-0249		**Closed Spelter Sockets Galvanized** *(05 15 16)*		
05 15 16 00-0250	EA	1/4" Closed Spelter Sockets, Galvanized	40.24	2.56
05 15 16 00-0251	EA	5/16" Closed Spelter Sockets, Galvanized	40.68	2.56
05 15 16 00-0252	EA	3/8" Closed Spelter Sockets, Galvanized	44.18	2.56
05 15 16 00-0253	EA	7/16" Closed Spelter Sockets, Galvanized	49.21	4.26
05 15 16 00-0254	EA	1/2" Closed Spelter Sockets, Galvanized	52.90	4.26
05 15 16 00-0255	EA	9/16" Closed Spelter Sockets, Galvanized	73.94	7.67
05 15 16 00-0256	EA	5/8" Closed Spelter Sockets, Galvanized	78.87	7.67
05 15 16 00-0257	EA	3/4" Closed Spelter Sockets, Galvanized	96.12	11.07
05 15 16 00-0258	EA	7/8" Closed Spelter Sockets, Galvanized	142.31	17.04
05 15 16 00-0259	EA	1" Closed Spelter Sockets, Galvanized	216.75	26.40
05 15 16 00-0260	EA	1-1/8" Closed Spelter Sockets, Galvanized	302.46	35.77
05 15 16 00-0261	EA	1-1/4" Closed Spelter Sockets, Galvanized	365.79	47.70
05 15 16 00-0262	EA	1-3/8" Closed Spelter Sockets, Galvanized	385.35	47.70
05 15 16 00-0263	EA	1-1/2" Closed Spelter Sockets, Galvanized	622.59	61.33
05 15 16 00-0264	EA	1-5/8" Closed Spelter Sockets, Galvanized	738.57	77.52
05 15 16 00-0265	EA	1-3/4" Closed Spelter Sockets, Galvanized	979.59	119.26
05 15 16 00-0266	EA	1-7/8" Closed Spelter Sockets, Galvanized	1,034.61	119.26
05 15 16 00-0267	EA	2" Closed Spelter Sockets, Galvanized	1,289.49	170.36
05 15 16 00-0268	EA	2-1/8" Closed Spelter Sockets, Galvanized	1,356.49	170.36
05 15 16 00-0269	EA	2-1/2" Closed Spelter Sockets, Galvanized	1,671.11	229.99
05 15 16 00-0270	EA	2-3/8" Closed Spelter Sockets, Galvanized	2,018.34	229.99
05 15 16 00-0271		**Jaw And Jaw, Forged Steel Turnbuckles** *(05 15 16)*		
05 15 16 00-0272	EA	1/4" x 4", Jaw And Jaw, Forged Steel Turnbuckle	17.12	2.56
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-1.29*	
05 15 16 00-0273	EA	5/16" x 4-1/2", Jaw And Jaw, Forged Steel Turnbuckle	18.65	2.56
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-1.52*	
05 15 16 00-0274	EA	3/8" x 6", Jaw And Jaw, Forged Steel Turnbuckle	24.51	2.56
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-2.40*	
05 15 16 00-0275	EA	1/2" x 6", Jaw And Jaw, Forged Steel Turnbuckle	33.49	3.40
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-2.88*	
05 15 16 00-0276	EA	1/2" x 9", Jaw And Jaw, Forged Steel Turnbuckle	38.19	4.26
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-3.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0277	EA	1/2" x 12", Jaw And Jaw, Forged Steel Turnbuckle	50.50	5.11
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-4.50*	
05 15 16 00-0278	EA	5/8" x 6", Jaw And Jaw, Forged Steel Turnbuckle	58.87	6.81
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-4.90*	
05 15 16 00-0279	EA	5/8" x 9", Jaw And Jaw, Forged Steel Turnbuckle	72.26	6.81
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-6.58*	
05 15 16 00-0280	EA	5/8" x 12", Jaw And Jaw, Forged Steel Turnbuckle	69.35	7.67
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-5.84*	
05 15 16 00-0281	EA	3/4" x 6", Jaw And Jaw, Forged Steel Turnbuckle	76.08	9.37
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-5.97*	
05 15 16 00-0282	EA	3/4" x 9", Jaw And Jaw, Forged Steel Turnbuckle	90.02	11.07
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-6.78*	
05 15 16 00-0283	EA	3/4" x 12", Jaw And Jaw, Forged Steel Turnbuckle	97.27	11.93
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-7.29*	
05 15 16 00-0284	EA	3/4" x 18", Jaw And Jaw, Forged Steel Turnbuckle	121.82	14.48
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-9.46*	
05 15 16 00-0285	EA	7/8" x 12", Jaw And Jaw, Forged Steel Turnbuckle	184.61	20.44
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-15.52*	
05 15 16 00-0286	EA	7/8" x 18", Jaw And Jaw, Forged Steel Turnbuckle	216.75	23.86
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-18.32*	
05 15 16 00-0287	EA	1" x 6", Jaw And Jaw, Forged Steel Turnbuckle	193.45	20.44
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-16.85*	
05 15 16 00-0288	EA	1" x 12", Jaw And Jaw, Forged Steel Turnbuckle	222.03	26.40
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-17.33*	
05 15 16 00-0289	EA	1" x 18", Jaw And Jaw, Forged Steel Turnbuckle	275.13	33.22
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-21.61*	
05 15 16 00-0290	EA	1" x 24", Jaw And Jaw, Forged Steel Turnbuckle	437.94	39.19
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-42.46*	
05 15 16 00-0291	EA	1-1/4" x 12", Jaw And Jaw, Forged Steel Turnbuckle	386.27	47.70
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-29.55*	
05 15 16 00-0292	EA	1-1/4" x 18", Jaw And Jaw, Forged Steel Turnbuckle	454.20	53.66
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-36.19*	
05 15 16 00-0293	EA	1-1/4" x 24", Jaw And Jaw, Forged Steel Turnbuckle	584.76	61.33
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-51.21*	
05 15 16 00-0294	EA	1-1/2" x 12", Jaw And Jaw, Forged Steel Turnbuckle	616.56	65.59
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-53.17*	
05 15 16 00-0295	EA	1-1/2" x 18", Jaw And Jaw, Forged Steel Turnbuckle	716.98	85.19
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-56.44*	
05 15 16 00-0296	EA	1-1/2" x 24", Jaw And Jaw, Forged Steel Turnbuckle	962.77	110.73
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-80.53*	
05 15 16 00-0297	EA	2" x 24", Jaw And Jaw, Forged Steel Turnbuckle	1,951.72	212.95
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-164.99*	

05 15 16 00-0298 Drop Forged Shoulder Eye Bolts *(05 15 16)*

05 15 16 00-0299	EA	1/4" Diameter Thread, 3/4" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt	10.01
05 15 16 00-0300	EA	5/16" Diameter Thread, 7/8" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt	10.31
05 15 16 00-0301	EA	3/8" Diameter Thread, 1" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt	10.45
05 15 16 00-0302	EA	7/16" Diameter Thread, 1-3/32" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt	13.92
05 15 16 00-0303	EA	1/2" Diameter Thread, 1-3/16" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt	14.07
05 15 16 00-0304	EA	5/8" Diameter Thread, 1-3/8" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt	17.53
05 15 16 00-0305	EA	3/4" Diameter Thread, 1-1/2" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt	20.43
05 15 16 00-0306	EA	7/8" Diameter Thread, 1-11/16" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt	26.65
05 15 16 00-0307	EA	1" Diameter Thread, 1-13/16" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt	34.06
05 15 16 00-0308	EA	1-1/8" Diameter Thread, 2" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt	50.54
05 15 16 00-0309	EA	1-1/4" Diameter Thread, 2-3/16" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt	64.98
05 15 16 00-0310	EA	1-1/2" Diameter Thread, 2-1/2" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt	107.17
05 15 16 00-0311	EA	1-3/4" Diameter Thread, 2-7/8" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt	147.13
05 15 16 00-0312	EA	2" Diameter Thread, 3-1/4" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt	197.41

05 15 16 00-0313 Drop Forged Eye Bolts *(05 15 16)*

05 15 16 00-0314	EA	1/4" Diameter Thread, 3" Shank Length, 1/2" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	14.67
05 15 16 00-0315	EA	1/4" Diameter Thread, 4" Shank Length, 1/2" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	16.09
05 15 16 00-0316	EA	5/16" Diameter Thread, 2-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	13.56
05 15 16 00-0317	EA	5/16" Diameter Thread, 4-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	16.69
05 15 16 00-0318	EA	3/8" Diameter Thread, 2-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	14.93
05 15 16 00-0319	EA	3/8" Diameter Thread, 3" Shank Length, 3/4" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	15.17
05 15 16 00-0320	EA	3/8" Diameter Thread, 4" Shank Length, 3/4" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	16.42
05 15 16 00-0321	EA	3/8" Diameter Thread, 4-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	17.34
05 15 16 00-0322	EA	3/8" Diameter Thread, 5" Shank Length, 3/4" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	17.96
05 15 16 00-0323	EA	3/8" Diameter Thread, 6" Shank Length, 3/4" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	18.53
05 15 16 00-0324	EA	1/2" Diameter Thread, 2" Shank Length, 1" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	14.13
05 15 16 00-0325	EA	1/2" Diameter Thread, 3" Shank Length, 1" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	17.67
05 15 16 00-0326	EA	1/2" Diameter Thread, 3-1/4" Shank Length, 1" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	18.10
05 15 16 00-0327	EA	1/2" Diameter Thread, 4" Shank Length, 1" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	19.24
05 15 16 00-0328	EA	1/2" Diameter Thread, 4-1/2" Shank Length, 1" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	19.73
05 15 16 00-0329	EA	1/2" Diameter Thread, 6" Shank Length, 1" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	20.08
05 15 16 00-0330	EA	1/2" Diameter Thread, 8" Shank Length, 1" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	20.62
05 15 16 00-0331	EA	1/2" Diameter Thread, 10" Shank Length, 1" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	21.22
05 15 16 00-0332	EA	1/2" Diameter Thread, 12" Shank Length, 1" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	22.01
05 15 16 00-0333	EA	5/8" Diameter Thread, 4" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	22.41

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0334	EA	5/8" Diameter Thread, 4-1/2" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	26.76	
05 15 16 00-0335	EA	5/8" Diameter Thread, 6" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	27.29	
05 15 16 00-0336	EA	5/8" Diameter Thread, 8" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	28.17	
05 15 16 00-0337	EA	5/8" Diameter Thread, 10" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	32.13	
05 15 16 00-0338	EA	5/8" Diameter Thread, 12" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	35.94	
05 15 16 00-0339	EA	3/4" Diameter Thread, 4-1/2" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	26.84	
05 15 16 00-0340	EA	3/4" Diameter Thread, 6" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	27.38	
05 15 16 00-0341	EA	3/4" Diameter Thread, 8" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	30.05	
05 15 16 00-0342	EA	3/4" Diameter Thread, 10" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	32.25	
05 15 16 00-0343	EA	3/4" Diameter Thread, 12" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	37.23	
05 15 16 00-0344	EA	1" Diameter Thread, 8" Shank Length, 2" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	48.65	

05 15 19 Stainless-Steel Wire Rope Assemblies *(05 15)*

05 15 19 00-0001 7x7 Class 304 Stainless Steel *(05 15 19)*

05 15 19 00-0002	LF	3/64" Diameter 7x7 Class 304 Stainless Steel Wire Rope	0.33	0.06
		For <100, Add	*0.09*	
		For >500 To 1,000, Deduct	*-0.02*	
		For >1,000 To 2,000, Deduct	*-0.02*	
		For >2,000, Deduct	*-0.03*	
		For 316 Stainless Steel, Add	*0.07*	
05 15 19 00-0003	LF	1/16" Diameter 7x7 Class 304 Stainless Steel Wire Rope	0.38	0.06
		For <100, Add	*0.11*	
		For >500 To 1,000, Deduct	*-0.02*	
		For >1,000 To 2,000, Deduct	*-0.03*	
		For >2,000, Deduct	*-0.04*	
		For 316 Stainless Steel, Add	*0.09*	
05 15 19 00-0004	LF	5/64" Diameter 7x7 Class 304 Stainless Steel Wire Rope	0.46	0.07
		For <100, Add	*0.14*	
		For >500 To 1,000, Deduct	*-0.02*	
		For >1,000 To 2,000, Deduct	*-0.03*	
		For >2,000, Deduct	*-0.05*	
		For 316 Stainless Steel, Add	*0.11*	
05 15 19 00-0005	LF	3/32" Diameter 7x7 Class 304 Stainless Steel Wire Rope	0.55	0.07
		For <100, Add	*0.16*	
		For >500 To 1,000, Deduct	*-0.03*	
		For >1,000 To 2,000, Deduct	*-0.04*	
		For >2,000, Deduct	*-0.06*	
		For 316 Stainless Steel, Add	*0.14*	
05 15 19 00-0006	LF	1/8" Diameter 7x7 Class 304 Stainless Steel Wire Rope	0.70	0.08
		For <100, Add	*0.21*	
		For >500 To 1,000, Deduct	*-0.04*	
		For >1,000 To 2,000, Deduct	*-0.05*	
		For >2,000, Deduct	*-0.07*	
		For 316 Stainless Steel, Add	*0.18*	
05 15 19 00-0007	LF	5/32" Diameter 7x7 Class 304 Stainless Steel Wire Rope	1.10	0.08
		For <100, Add	*0.35*	
		For >500 To 1,000, Deduct	*-0.06*	
		For >1,000 To 2,000, Deduct	*-0.08*	
		For >2,000, Deduct	*-0.11*	
		For 316 Stainless Steel, Add	*0.31*	
05 15 19 00-0008	LF	3/16" Diameter 7x7 Class 304 Stainless Steel Wire Rope	1.25	0.08
		For <100, Add	*0.40*	
		For >500 To 1,000, Deduct	*-0.06*	
		For >1,000 To 2,000, Deduct	*-0.09*	
		For >2,000, Deduct	*-0.13*	
		For 316 Stainless Steel, Add	*0.35*	
05 15 19 00-0009	LF	1/4" Diameter 7x7 Class 304 Stainless Steel Wire Rope	1.71	0.08
		For <100, Add	*0.56*	
		For >500 To 1,000, Deduct	*-0.09*	
		For >1,000 To 2,000, Deduct	*-0.13*	
		For >2,000, Deduct	*-0.17*	
		For 316 Stainless Steel, Add	*0.51*	
05 15 19 00-0010	LF	5/16" Diameter 7x7 Class 304 Stainless Steel Wire Rope	2.15	0.08
		For <100, Add	*0.70*	
		For >500 To 1,000, Deduct	*-0.11*	
		For >1,000 To 2,000, Deduct	*-0.16*	
		For >2,000, Deduct	*-0.22*	
		For 316 Stainless Steel, Add	*0.64*	
05 15 19 00-0011	LF	3/8" Diameter 7x7 Class 304 Stainless Steel Wire Rope	2.70	0.08
		For <100, Add	*0.87*	
		For >500 To 1,000, Deduct	*-0.14*	
		For >1,000 To 2,000, Deduct	*-0.20*	
		For >2,000, Deduct	*-0.27*	
		For 316 Stainless Steel, Add	*0.80*	
05 15 19 00-0012	LF	7/16" Diameter 7x7 Class 304 Stainless Steel Wire Rope	3.29	0.17
		For <100, Add	*1.05*	
		For >500 To 1,000, Deduct	*-0.16*	
		For >1,000 To 2,000, Deduct	*-0.25*	
		For >2,000, Deduct	*-0.33*	
		For 316 Stainless Steel, Add	*0.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 19 00-0013	LF	1/2" Diameter 7x7 Class 304 Stainless Steel Wire Rope	3.83	0.17
		For <100, Add	*1.21*	
		For >500 To 1,000, Deduct	*-0.19*	
		For >1,000 To 2,000, Deduct	*-0.29*	
		For >2,000, Deduct	*-0.38*	
		For 316 Stainless Steel, Add	*1.08*	
05 15 19 00-0014	LF	9/16" Diameter 7x7 Class 304 Stainless Steel Wire Rope	4.60	0.25
		For <100, Add	*1.44*	
		For >500 To 1,000, Deduct	*-0.23*	
		For >1,000 To 2,000, Deduct	*-0.35*	
		For >2,000, Deduct	*-0.46*	
		For 316 Stainless Steel, Add	*1.28*	
05 15 19 00-0015	LF	5/8" Diameter 7x7 Class 304 Stainless Steel Wire Rope	5.24	0.34
		For <100, Add	*1.63*	
		For >500 To 1,000, Deduct	*-0.26*	
		For >1,000 To 2,000, Deduct	*-0.39*	
		For >2,000, Deduct	*-0.52*	
		For 316 Stainless Steel, Add	*1.44*	
05 15 19 00-0016	LF	3/4" Diameter 7x7 Class 304 Stainless Steel Wire Rope	6.96	0.42
		For <100, Add	*2.15*	
		For >500 To 1,000, Deduct	*-0.35*	
		For >1,000 To 2,000, Deduct	*-0.52*	
		For >2,000, Deduct	*-0.70*	
		For 316 Stainless Steel, Add	*1.88*	

05 15 19 00-0017 7x19 Class 304 Stainless Steel *(05 15 19)*

05 15 19 00-0018	LF	1/4" Diameter 7x19 Class 304 Stainless Steel Wire Rope	2.80	0.08
		For <100, Add	*0.94*	
		For >500 To 1,000, Deduct	*-0.14*	
		For >1,000 To 2,000, Deduct	*-0.21*	
		For >2,000, Deduct	*-0.28*	
		For 316 Stainless Steel, Add	*0.88*	
05 15 19 00-0019	LF	5/16" Diameter 7x19 Class Stainless Steel Wire Rope	3.23	0.08
		For <100, Add	*1.07*	
		For >500 To 1,000, Deduct	*-0.16*	
		For >1,000 To 2,000, Deduct	*-0.24*	
		For >2,000, Deduct	*-0.32*	
		For 316 Stainless Steel, Add	*1.00*	
05 15 19 00-0020	LF	3/8" Diameter 7x19 Class Stainless Steel Wire Rope	3.82	0.17
		For <100, Add	*1.25*	
		For >500 To 1,000, Deduct	*-0.19*	
		For >1,000 To 2,000, Deduct	*-0.29*	
		For >2,000, Deduct	*-0.38*	
		For 316 Stainless Steel, Add	*1.15*	
05 15 19 00-0021	LF	7/16" Diameter 7x19 Class Stainless Steel Wire Rope	4.43	0.17
		For <100, Add	*1.43*	
		For >500 To 1,000, Deduct	*-0.22*	
		For >1,000 To 2,000, Deduct	*-0.33*	
		For >2,000, Deduct	*-0.44*	
		For 316 Stainless Steel, Add	*1.31*	
05 15 19 00-0022	LF	1/2" Diameter 7x19 Class Stainless Steel Wire Rope	5.08	0.25
		For <100, Add	*1.62*	
		For >500 To 1,000, Deduct	*-0.25*	
		For >1,000 To 2,000, Deduct	*-0.38*	
		For >2,000, Deduct	*-0.51*	
		For 316 Stainless Steel, Add	*1.46*	
05 15 19 00-0023	LF	9/16" Diameter 7x19 Class Stainless Steel Wire Rope	5.96	0.34
		For <100, Add	*1.88*	
		For >500 To 1,000, Deduct	*-0.30*	
		For >1,000 To 2,000, Deduct	*-0.45*	
		For >2,000, Deduct	*-0.60*	
		For 316 Stainless Steel, Add	*1.68*	
05 15 19 00-0024	LF	5/8" Diameter 7x19 Class Stainless Steel Wire Rope	6.77	0.34
		For <100, Add	*2.12*	
		For >500 To 1,000, Deduct	*-0.34*	
		For >1,000 To 2,000, Deduct	*-0.51*	
		For >2,000, Deduct	*-0.68*	
		For 316 Stainless Steel, Add	*1.88*	
05 15 19 00-0025	LF	3/4" Diameter 7x19 Class Stainless Steel Wire Rope	9.53	0.59
		For <100, Add	*2.98*	
		For >500 To 1,000, Deduct	*-0.48*	
		For >1,000 To 2,000, Deduct	*-0.71*	
		For >2,000, Deduct	*-0.95*	
		For 316 Stainless Steel, Add	*2.63*	
05 15 19 00-0026	LF	7/8" Diameter 7x19 Class Stainless Steel Wire Rope	12.53	0.68
		For <100, Add	*3.90*	
		For >500 To 1,000, Deduct	*-0.63*	
		For >1,000 To 2,000, Deduct	*-0.94*	
		For >2,000, Deduct	*-1.25*	
		For 316 Stainless Steel, Add	*3.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 19 00-0027	LF	1" Diameter 7x19 Class Stainless Steel Wire Rope	15.64	0.94
		For <100, Add	*4.83*	
		For >500 To 1,000, Deduct	*-0.78*	
		For >1,000 To 2,000, Deduct	*-1.17*	
		For >2,000, Deduct	*-1.56*	
		For 316 Stainless Steel, Add	*4.23*	
05 15 19 00-0028	LF	1-1/8" Diameter 7x19 Class Stainless Steel Wire Rope	19.34	1.19
		For <100, Add	*5.97*	
		For >500 To 1,000, Deduct	*-0.97*	
		For >1,000 To 2,000, Deduct	*-1.45*	
		For >2,000, Deduct	*-1.93*	
		For 316 Stainless Steel, Add	*5.22*	
05 15 19 00-0029	LF	1-1/4" Diameter 7x19 Class Stainless Steel Wire Rope	22.96	1.45
		For <100, Add	*7.06*	
		For >500 To 1,000, Deduct	*-1.15*	
		For >1,000 To 2,000, Deduct	*-1.72*	
		For >2,000, Deduct	*-2.30*	
		For 316 Stainless Steel, Add	*6.15*	
05 15 19 00-0030	LF	1-3/8" Diameter 7x19 Class Stainless Steel Wire Rope	27.78	1.79
		For <100, Add	*8.53*	
		For >500 To 1,000, Deduct	*-1.39*	
		For >1,000 To 2,000, Deduct	*-2.08*	
		For >2,000, Deduct	*-2.78*	
		For 316 Stainless Steel, Add	*7.41*	
05 15 19 00-0031	LF	1-1/2" Diameter 7x19 Class Stainless Steel Wire Rope	32.93	2.13
		For <100, Add	*10.11*	
		For >500 To 1,000, Deduct	*-1.65*	
		For >1,000 To 2,000, Deduct	*-2.47*	
		For >2,000, Deduct	*-3.29*	
		For 316 Stainless Steel, Add	*8.78*	
05 15 19 00-0032	LF	1-5/8" Diameter 7x19 Class Stainless Steel Wire Rope	39.34	2.47
		For <100, Add	*12.11*	
		For >500 To 1,000, Deduct	*-1.97*	
		For >1,000 To 2,000, Deduct	*-2.95*	
		For >2,000, Deduct	*-3.93*	
		For 316 Stainless Steel, Add	*10.55*	
05 15 19 00-0033	LF	1-3/4" Diameter 7x19 Class Stainless Steel Wire Rope	50.09	4.14
		For <100, Add	*14.80*	
		For >500 To 1,000, Deduct	*-2.50*	
		For >1,000 To 2,000, Deduct	*-3.76*	
		For >2,000, Deduct	*-5.01*	
		For 316 Stainless Steel, Add	*12.39*	
05 15 19 00-0034	LF	1-7/8" Diameter 7x19 Class Stainless Steel Wire Rope	57.57	4.69
		For <100, Add	*17.02*	
		For >500 To 1,000, Deduct	*-2.88*	
		For >1,000 To 2,000, Deduct	*-4.32*	
		For >2,000, Deduct	*-5.76*	
		For 316 Stainless Steel, Add	*14.25*	
05 15 19 00-0035	LF	2" Diameter 7x19 Class Stainless Steel Wire Rope	66.11	5.41
		For <100, Add	*19.53*	
		For >500 To 1,000, Deduct	*-3.31*	
		For >1,000 To 2,000, Deduct	*-4.96*	
		For >2,000, Deduct	*-6.61*	
		For 316 Stainless Steel, Add	*16.35*	
05 15 19 00-0036	LF	2-1/8" Diameter 7x19 Class Stainless Steel Wire Rope	74.75	6.04
		For <100, Add	*22.16*	
		For >500 To 1,000, Deduct	*-3.74*	
		For >1,000 To 2,000, Deduct	*-5.61*	
		For >2,000, Deduct	*-7.48*	
		For 316 Stainless Steel, Add	*18.60*	
05 15 19 00-0037	LF	2-1/4" Diameter 7x19 Class Stainless Steel Wire Rope	84.92	6.76
		For <100, Add	*25.22*	
		For >500 To 1,000, Deduct	*-4.25*	
		For >1,000 To 2,000, Deduct	*-6.37*	
		For >2,000, Deduct	*-8.49*	
		For 316 Stainless Steel, Add	*21.21*	

05 20 Metal Joists *(05)*

Note: Includes all connecting bolts and welds.

05 21 Steel Joist Framing *(05 20)*

05 21 19 Open Web Steel Joist Framing *(05 21)*

05 21 19 00-0001	TON	H, J Or K Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging	2,143.09	140.96
		For Welded Cross Bridging, Add	*176.20*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*186.69*	
05 21 19 00-0002	TON	H, J Or K Open Web Joist, >30' To 50' Span, Steel, Horizontal Bridging	1,966.70	132.15
		For Welded Cross Bridging, Add	*156.62*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*173.36*	
05 21 19 00-0003	TON	LJ Or LH Open Web Joist, Up To 96' Span, Steel, Bolted Cross Bridging	2,373.00	132.15
		For Welded Cross Bridging, Add	*162.64*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*219.70*	
05 21 19 00-0004	TON	DLJ Or DLH Open Web Joist, Up To 144' Span, Steel, Bolted Cross Bridging	2,698.49	132.15
		For Welded Cross Bridging, Add	*162.64*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*258.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 21 19 00-0005	TON	CS Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging	2,377.50	132.15
		For Welded Cross Bridging, Add	*176.20*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*214.82*	
05 21 19 00-0006	TON	SLH Open Web Joist, Up To 200' Span, Steel, Bolted Cross Bridging	2,983.29	132.15
		For Welded Cross Bridging, Add	*162.64*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*292.94*	

05 30 Metal Decking *(05)*

Note: Includes all connecting bolts and welds.

05 31 Steel Decking *(05 30)*

See CSI section 03 30 00 00-0000 for concrete where required, 07 22 16 00-0001 for roof insulation.

05 31 00 00-0001 Open Ribbed Galvanized Steel Form Deck *(05 31)*

05 31 00 00-0002	SF	9/16" Deep, 28 Gauge Open Ribbed Galvanized Steel Form Deck	1.69
		For Painted, Deduct	*-0.05*
		For Perforated Or Slotted, Add	*0.05*
		For Up To 100, Add	*0.82*
		For >100 To 500, Add	*0.39*
		For >500 To 1,500, Add	*0.18*
05 31 00 00-0003	SF	9/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck	1.80
		For Painted, Deduct	*-0.05*
		For Perforated Or Slotted, Add	*0.05*
		For Up To 100, Add	*0.86*
		For >100 To 500, Add	*0.41*
		For >500 To 1,500, Add	*0.19*
05 31 00 00-0004	SF	9/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck	2.00
		For Painted, Deduct	*-0.06*
		For Perforated Or Slotted, Add	*0.06*
		For Up To 100, Add	*0.99*
		For >100 To 500, Add	*0.46*
		For >500 To 1,500, Add	*0.22*
05 31 00 00-0005	SF	9/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck	2.18
		For Painted, Deduct	*-0.06*
		For Perforated Or Slotted, Add	*0.06*
		For Up To 100, Add	*1.12*
		For >100 To 500, Add	*0.52*
		For >500 To 1,500, Add	*0.25*
05 31 00 00-0006	SF	15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck	2.00
		For Painted, Deduct	*-0.06*
		For Perforated Or Slotted, Add	*0.06*
		For Up To 100, Add	*0.88*
		For >100 To 500, Add	*0.43*
		For >500 To 1,500, Add	*0.19*
05 31 00 00-0007	SF	15/16" Deep, 25 Gauge Open Ribbed Galvanized Steel Form Deck	2.10
		For Painted, Deduct	*-0.07*
		For Perforated Or Slotted, Add	*0.07*
		For Up To 100, Add	*0.93*
		For >100 To 500, Add	*0.45*
		For >500 To 1,500, Add	*0.20*
05 31 00 00-0008	SF	15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck	2.23
		For Painted, Deduct	*-0.07*
		For Perforated Or Slotted, Add	*0.07*
		For Up To 100, Add	*1.02*
		For >100 To 500, Add	*0.49*
		For >500 To 1,500, Add	*0.22*
05 31 00 00-0009	SF	15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck	2.40
		For Painted, Deduct	*-0.07*
		For Perforated Or Slotted, Add	*0.07*
		For Up To 100, Add	*1.14*
		For >100 To 500, Add	*0.54*
		For >500 To 1,500, Add	*0.25*
05 31 00 00-0010	SF	1-15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck	2.52
		For Painted, Deduct	*-0.07*
		For Perforated Or Slotted, Add	*0.07*
		For Up To 100, Add	*1.19*
		For >100 To 500, Add	*0.56*
		For >500 To 1,500, Add	*0.26*
05 31 00 00-0011	SF	1-15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck	2.74
		For Painted, Deduct	*-0.08*
		For Perforated Or Slotted, Add	*0.08*
		For Up To 100, Add	*1.26*
		For >100 To 500, Add	*0.60*
		For >500 To 1,500, Add	*0.27*
05 31 00 00-0012	SF	1-15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck	3.11
		For Painted, Deduct	*-0.10*
		For Perforated Or Slotted, Add	*0.10*
		For Up To 100, Add	*1.36*
		For >100 To 500, Add	*0.66*
		For >500 To 1,500, Add	*0.29*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 00 00-0013	SF	1-15/16" Deep, 20 Gauge Open Ribbed Galvanized Steel Form Deck	3.46	
		For Painted, Deduct	*-0.11*	
		For Perforated Or Slotted, Add	*0.11*	
		For Up To 100, Add	*1.53*	
		For >100 To 500, Add	*0.74*	
		For >500 To 1,500, Add	*0.33*	

05 31 00 00-0014 Open Ribbed Galvanized Steel Deck *(05 31)*

05 31 00 00-0015	SF	1" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	2.24	
		For Painted, Deduct	*-0.06*	
		For Perforated Or Slotted, Add	*0.06*	
		For Site Installed Insulation Between Ribs, Add	*0.63*	
		For Up To 100, Add	*1.09*	
		For >100 To 500, Add	*0.51*	
		For >500 To 1,500, Add	*0.24*	
05 31 00 00-0016	SF	1" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	2.59	
		For Painted, Deduct	*-0.07*	
		For Perforated Or Slotted, Add	*0.07*	
		For Site Installed Insulation Between Ribs, Add	*0.73*	
		For Up To 100, Add	*1.28*	
		For >100 To 500, Add	*0.60*	
		For >500 To 1,500, Add	*0.28*	
05 31 00 00-0017	SF	1" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	3.20	
		For Painted, Deduct	*-0.09*	
		For Perforated Or Slotted, Add	*0.09*	
		For Site Installed Insulation Between Ribs, Add	*0.90*	
		For Up To 100, Add	*1.54*	
		For >100 To 500, Add	*0.73*	
		For >500 To 1,500, Add	*0.34*	
05 31 00 00-0018	SF	1-1/2" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	2.49	
		For Painted, Deduct	*-0.07*	
		For Perforated Or Slotted, Add	*0.07*	
		For Site Installed Insulation Between Ribs, Add	*0.70*	
		For Up To 100, Add	*1.23*	
		For >100 To 500, Add	*0.58*	
		For >500 To 1,500, Add	*0.27*	
05 31 00 00-0019	SF	1-1/2" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	2.86	
		For Painted, Deduct	*-0.08*	
		For Perforated Or Slotted, Add	*0.08*	
		For Site Installed Insulation Between Ribs, Add	*0.81*	
		For Up To 100, Add	*1.40*	
		For >100 To 500, Add	*0.66*	
		For >500 To 1,500, Add	*0.31*	
05 31 00 00-0020	SF	1-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	3.56	
		For Painted, Deduct	*-0.10*	
		For Perforated Or Slotted, Add	*0.10*	
		For Site Installed Insulation Between Ribs, Add	*1.01*	
		For Up To 100, Add	*1.72*	
		For >100 To 500, Add	*0.81*	
		For >500 To 1,500, Add	*0.38*	
05 31 00 00-0021	SF	3" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	3.03	
		For Painted, Deduct	*-0.09*	
		For Perforated Or Slotted, Add	*0.09*	
		For Site Installed Insulation Between Ribs, Add	*0.85*	
		For Up To 100, Add	*1.38*	
		For >100 To 500, Add	*0.66*	
		For >500 To 1,500, Add	*0.30*	
05 31 00 00-0022	SF	3" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	3.51	
		For Painted, Deduct	*-0.11*	
		For Perforated Or Slotted, Add	*0.11*	
		For Site Installed Insulation Between Ribs, Add	*0.98*	
		For Up To 100, Add	*1.58*	
		For >100 To 500, Add	*0.76*	
		For >500 To 1,500, Add	*0.34*	
05 31 00 00-0023	SF	3" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	4.36	
		For Painted, Deduct	*-0.13*	
		For Perforated Or Slotted, Add	*0.13*	
		For Site Installed Insulation Between Ribs, Add	*1.22*	
		For Up To 100, Add	*1.95*	
		For >100 To 500, Add	*0.94*	
		For >500 To 1,500, Add	*0.42*	
05 31 00 00-0024	SF	3" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	5.44	
		For Painted, Deduct	*-0.17*	
		For Perforated Or Slotted, Add	*0.17*	
		For Site Installed Insulation Between Ribs, Add	*1.51*	
		For Up To 100, Add	*2.38*	
		For >100 To 500, Add	*1.16*	
		For >500 To 1,500, Add	*0.51*	
05 31 00 00-0025	SF	4-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	7.25	
		For Painted, Deduct	*-0.27*	
		For Perforated Or Slotted, Add	*0.27*	
		For Site Installed Insulation Between Ribs, Add	*1.95*	
		For Up To 100, Add	*2.39*	
		For >100 To 500, Add	*1.28*	
		For >500 To 1,500, Add	*0.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 00 00-0026	SF	4-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	9.11	
		For Painted, Deduct	*-0.34*	
		For Perforated Or Slotted, Add	*0.34*	
		For Site Installed Insulation Between Ribs, Add	*2.45*	
		For Up To 100, Add	*2.93*	
		For >100 To 500, Add	*1.58*	
		For >500 To 1,500, Add	*0.56*	
05 31 00 00-0027	SF	6" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	7.98	
		For Painted, Deduct	*-0.32*	
		For Perforated Or Slotted, Add	*0.32*	
		For Site Installed Insulation Between Ribs, Add	*2.12*	
		For Up To 100, Add	*2.27*	
		For >100 To 500, Add	*1.29*	
		For >500 To 1,500, Add	*0.41*	
05 31 00 00-0028	SF	6" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	8.59	
		For Painted, Deduct	*-0.33*	
		For Perforated Or Slotted, Add	*0.33*	
		For Site Installed Insulation Between Ribs, Add	*2.30*	
		For Up To 100, Add	*2.70*	
		For >100 To 500, Add	*1.47*	
		For >500 To 1,500, Add	*0.51*	
05 31 00 00-0029	SF	6" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	10.69	
		For Painted, Deduct	*-0.41*	
		For Perforated Or Slotted, Add	*0.41*	
		For Site Installed Insulation Between Ribs, Add	*2.86*	
		For Up To 100, Add	*3.31*	
		For >100 To 500, Add	*1.82*	
		For >500 To 1,500, Add	*0.62*	
05 31 00 00-0030	SF	7-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	9.49	
		For Painted, Deduct	*-0.36*	
		For Perforated Or Slotted, Add	*0.36*	
		For Site Installed Insulation Between Ribs, Add	*2.54*	
		For Up To 100, Add	*2.97*	
		For >100 To 500, Add	*1.62*	
		For >500 To 1,500, Add	*0.56*	
05 31 00 00-0031	SF	7-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	11.77	
		For Painted, Deduct	*-0.45*	
		For Perforated Or Slotted, Add	*0.45*	
		For Site Installed Insulation Between Ribs, Add	*3.15*	
		For Up To 100, Add	*3.63*	
		For >100 To 500, Add	*1.99*	
		For >500 To 1,500, Add	*0.68*	

05 31 00 00-0032 Cellular Galvanized Steel Deck *(05 31)*

Note: Cellular decking is made of a top ribbed sheet and a flat bottom sheet welded together to create hollow longitudinal cells within the panels.

05 31 00 00-0033	SF	1" Deep, 22/18 Gauge Cellular Galvanized Steel Deck	6.43	
		For Painted, Deduct	*-0.24*	
		For Perforated Or Slotted, Add	*0.24*	
		For Insulated Cells, Add	*1.06*	
		For Site Installed Insulation Between Ribs, Add	*1.74*	
		For Up To 100, Add	*2.19*	
		For >100 To 500, Add	*1.16*	
		For >500 To 1,500, Add	*0.43*	
05 31 00 00-0034	SF	1" Deep, 18/18 Gauge Cellular Galvanized Steel Deck	7.27	
		For Painted, Deduct	*-0.25*	
		For Perforated Or Slotted, Add	*0.25*	
		For Insulated Cells, Add	*1.12*	
		For Site Installed Insulation Between Ribs, Add	*1.99*	
		For Up To 100, Add	*2.78*	
		For >100 To 500, Add	*1.41*	
		For >500 To 1,500, Add	*0.57*	
05 31 00 00-0035	SF	1-1/2" Deep, 22/18 Gauge Cellular Galvanized Steel Deck	7.69	
		For Painted, Deduct	*-0.29*	
		For Perforated Or Slotted, Add	*0.29*	
		For Insulated Cells, Add	*1.32*	
		For Site Installed Insulation Between Ribs, Add	*2.06*	
		For Up To 100, Add	*2.40*	
		For >100 To 500, Add	*1.31*	
		For >500 To 1,500, Add	*0.45*	
05 31 00 00-0036	SF	1-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck	8.62	
		For Painted, Deduct	*-0.31*	
		For Perforated Or Slotted, Add	*0.31*	
		For Insulated Cells, Add	*1.40*	
		For Site Installed Insulation Between Ribs, Add	*2.34*	
		For Up To 100, Add	*3.02*	
		For >100 To 500, Add	*1.58*	
		For >500 To 1,500, Add	*0.60*	
05 31 00 00-0037	SF	3" Deep, 20/18 Gauge Cellular Galvanized Steel Deck	8.91	
		For Painted, Deduct	*-0.34*	
		For Perforated Or Slotted, Add	*0.34*	
		For Insulated Cells, Add	*1.51*	
		For Site Installed Insulation Between Ribs, Add	*2.39*	
		For Up To 100, Add	*2.87*	
		For >100 To 500, Add	*1.55*	
		For >500 To 1,500, Add	*0.55*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 00 00-0038	SF	3" Deep, 18/18 Gauge Cellular Galvanized Steel Deck	10.57	
		For Painted, Deduct	*-0.40*	
		For Perforated Or Slotted, Add	*0.40*	
		For Insulated Cells, Add	*1.81*	
		For Site Installed Insulation Between Ribs, Add	*2.83*	
		For Up To 100, Add	*3.33*	
		For >100 To 500, Add	*1.82*	
		For >500 To 1,500, Add	*0.63*	
05 31 00 00-0039	SF	3" Deep, 18/16 Gauge Cellular Galvanized Steel Deck	11.77	
		For Painted, Deduct	*-0.45*	
		For Perforated Or Slotted, Add	*0.45*	
		For Insulated Cells, Add	*2.04*	
		For Site Installed Insulation Between Ribs, Add	*3.15*	
		For Up To 100, Add	*3.63*	
		For >100 To 500, Add	*1.99*	
		For >500 To 1,500, Add	*0.68*	
05 31 00 00-0040	SF	3" Deep, 16/16 Gauge Cellular Galvanized Steel Deck	12.87	
		For Painted, Deduct	*-0.49*	
		For Perforated Or Slotted, Add	*0.49*	
		For Insulated Cells, Add	*2.20*	
		For Site Installed Insulation Between Ribs, Add	*3.45*	
		For Up To 100, Add	*4.06*	
		For >100 To 500, Add	*2.21*	
		For >500 To 1,500, Add	*0.77*	
05 31 00 00-0041	SF	4-1/2" Deep, 20/18 Gauge Cellular Galvanized Steel Deck	12.94	
		For Painted, Deduct	*-0.54*	
		For Perforated Or Slotted, Add	*0.54*	
		For Insulated Cells, Add	*2.43*	
		For Site Installed Insulation Between Ribs, Add	*3.40*	
		For Up To 100, Add	*3.24*	
		For >100 To 500, Add	*1.94*	
		For >500 To 1,500, Add	*0.54*	
05 31 00 00-0042	SF	4-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck	13.96	
		For Painted, Deduct	*-0.57*	
		For Perforated Or Slotted, Add	*0.57*	
		For Insulated Cells, Add	*2.56*	
		For Site Installed Insulation Between Ribs, Add	*3.68*	
		For Up To 100, Add	*3.71*	
		For >100 To 500, Add	*2.17*	
		For >500 To 1,500, Add	*0.64*	
05 31 00 00-0043	SF	4-1/2" Deep, 18/16 Gauge Cellular Galvanized Steel Deck	14.78	
		For Painted, Deduct	*-0.60*	
		For Perforated Or Slotted, Add	*0.60*	
		For Insulated Cells, Add	*2.70*	
		For Site Installed Insulation Between Ribs, Add	*3.90*	
		For Up To 100, Add	*3.96*	
		For >100 To 500, Add	*2.31*	
		For >500 To 1,500, Add	*0.69*	
05 31 00 00-0044	SF	4-1/2" Deep, 16/16 Gauge Cellular Galvanized Steel Deck	15.78	
		For Painted, Deduct	*-0.64*	
		For Perforated Or Slotted, Add	*0.64*	
		For Insulated Cells, Add	*2.88*	
		For Site Installed Insulation Between Ribs, Add	*4.17*	
		For Up To 100, Add	*4.24*	
		For >100 To 500, Add	*2.47*	
		For >500 To 1,500, Add	*0.74*	

05 36 Composite Metal Decking *(05 30)*

See CSI section 03 30 00 00-0000 for concrete.

05 36 00 00-0001 Composite Open Ribbed Galvanized Steel Deck *(05 36)*

Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab.

05 36 00 00-0002	SF	1-1/2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck	2.54	
		For Painted, Deduct	*-0.08*	
		For Perforated Or Slotted, Add	*0.08*	
		For Up To 100, Add	*1.19*	
		For >100 To 500, Add	*0.57*	
		For >500 To 1,500, Add	*0.26*	
05 36 00 00-0003	SF	1-1/2" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck	2.74	
		For Painted, Deduct	*-0.08*	
		For Perforated Or Slotted, Add	*0.08*	
		For Up To 100, Add	*1.32*	
		For >100 To 500, Add	*0.62*	
		For >500 To 1,500, Add	*0.29*	
05 36 00 00-0004	SF	1-1/2" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck	3.11	
		For Painted, Deduct	*-0.08*	
		For Perforated Or Slotted, Add	*0.08*	
		For Up To 100, Add	*1.61*	
		For >100 To 500, Add	*0.74*	
		For >500 To 1,500, Add	*0.36*	
05 36 00 00-0005	SF	1-1/2" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck	3.44	
		For Painted, Deduct	*-0.09*	
		For Perforated Or Slotted, Add	*0.09*	
		For Up To 100, Add	*1.89*	
		For >100 To 500, Add	*0.86*	
		For >500 To 1,500, Add	*0.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0006	SF	2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck	2.74	
		For Painted, Deduct	*-0.08*	
		For Perforated Or Slotted, Add	*0.08*	
		For Up To 100, Add	*1.32*	
		For >100 To 500, Add	*0.62*	
		For >500 To 1,500, Add	*0.29*	
05 36 00 00-0007	SF	2" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck	2.96	
		For Painted, Deduct	*-0.08*	
		For Perforated Or Slotted, Add	*0.08*	
		For Up To 100, Add	*1.45*	
		For >100 To 500, Add	*0.68*	
		For >500 To 1,500, Add	*0.32*	
05 36 00 00-0008	SF	2" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck	3.34	
		For Painted, Deduct	*-0.09*	
		For Perforated Or Slotted, Add	*0.09*	
		For Up To 100, Add	*1.74*	
		For >100 To 500, Add	*0.80*	
		For >500 To 1,500, Add	*0.39*	
05 36 00 00-0009	SF	2" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck	3.70	
		For Painted, Deduct	*-0.09*	
		For Perforated Or Slotted, Add	*0.09*	
		For Up To 100, Add	*2.04*	
		For >100 To 500, Add	*0.93*	
		For >500 To 1,500, Add	*0.46*	
05 36 00 00-0010	SF	3" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck	2.87	
		For Painted, Deduct	*-0.08*	
		For Perforated Or Slotted, Add	*0.08*	
		For Up To 100, Add	*1.37*	
		For >100 To 500, Add	*0.65*	
		For >500 To 1,500, Add	*0.30*	
05 36 00 00-0011	SF	3" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck	3.10	
		For Painted, Deduct	*-0.09*	
		For Perforated Or Slotted, Add	*0.09*	
		For Up To 100, Add	*1.53*	
		For >100 To 500, Add	*0.72*	
		For >500 To 1,500, Add	*0.34*	
05 36 00 00-0012	SF	3" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck	3.53	
		For Painted, Deduct	*-0.09*	
		For Perforated Or Slotted, Add	*0.09*	
		For Up To 100, Add	*1.87*	
		For >100 To 500, Add	*0.86*	
		For >500 To 1,500, Add	*0.42*	
05 36 00 00-0013	SF	3" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck	3.98	
		For Painted, Deduct	*-0.10*	
		For Perforated Or Slotted, Add	*0.10*	
		For Up To 100, Add	*2.20*	
		For >100 To 500, Add	*1.00*	
		For >500 To 1,500, Add	*0.50*	

05 36 00 00-0014 Composite Cellular Galvanized Steel Deck *(05 36)*

Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab. Cellular decking is made of a top ribbed sheet and a bottom flat sheet welded together to create hollow longitudinal cells within the panels.

05 36 00 00-0015	SF	1-1/2" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck	4.66	
		For Painted, Deduct	*-0.14*	
		For Perforated Or Slotted, Add	*0.14*	
		For Insulated Cells, Add	*0.62*	
		For Up To 100, Add	*2.17*	
		For >100 To 500, Add	*1.03*	
		For >500 To 1,500, Add	*0.47*	
05 36 00 00-0016	SF	1-1/2" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck	5.00	
		For Painted, Deduct	*-0.15*	
		For Perforated Or Slotted, Add	*0.15*	
		For Insulated Cells, Add	*0.66*	
		For Up To 100, Add	*2.37*	
		For >100 To 500, Add	*1.12*	
		For >500 To 1,500, Add	*0.52*	
05 36 00 00-0017	SF	1-1/2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck	5.08	
		For Painted, Deduct	*-0.15*	
		For Perforated Or Slotted, Add	*0.15*	
		For Insulated Cells, Add	*0.66*	
		For Up To 100, Add	*2.45*	
		For >100 To 500, Add	*1.16*	
		For >500 To 1,500, Add	*0.54*	
05 36 00 00-0018	SF	1-1/2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck	5.43	
		For Painted, Deduct	*-0.15*	
		For Perforated Or Slotted, Add	*0.15*	
		For Insulated Cells, Add	*0.68*	
		For Up To 100, Add	*2.70*	
		For >100 To 500, Add	*1.26*	
		For >500 To 1,500, Add	*0.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0019	SF	1-1/2" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck	5.84	
		For Painted, Deduct	*-0.16*	
		For Perforated Or Slotted, Add	*0.16*	
		For Insulated Cells, Add	*0.73*	
		For Up To 100, Add	*2.93*	
		For >100 To 500, Add	*1.37*	
		For >500 To 1,500, Add	*0.65*	
05 36 00 00-0020	SF	1-1/2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck	5.91	
		For Painted, Deduct	*-0.16*	
		For Perforated Or Slotted, Add	*0.16*	
		For Insulated Cells, Add	*0.73*	
		For Up To 100, Add	*3.00*	
		For >100 To 500, Add	*1.40*	
		For >500 To 1,500, Add	*0.67*	
05 36 00 00-0021	SF	1-1/2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck	6.25	
		For Painted, Deduct	*-0.17*	
		For Perforated Or Slotted, Add	*0.17*	
		For Insulated Cells, Add	*0.75*	
		For Up To 100, Add	*3.25*	
		For >100 To 500, Add	*1.50*	
		For >500 To 1,500, Add	*0.73*	
05 36 00 00-0022	SF	2" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck	4.83	
		For Painted, Deduct	*-0.14*	
		For Perforated Or Slotted, Add	*0.14*	
		For Insulated Cells, Add	*0.64*	
		For Up To 100, Add	*2.28*	
		For >100 To 500, Add	*1.08*	
		For >500 To 1,500, Add	*0.50*	
05 36 00 00-0023	SF	2" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck	5.11	
		For Painted, Deduct	*-0.15*	
		For Perforated Or Slotted, Add	*0.15*	
		For Insulated Cells, Add	*0.66*	
		For Up To 100, Add	*2.46*	
		For >100 To 500, Add	*1.16*	
		For >500 To 1,500, Add	*0.54*	
05 36 00 00-0024	SF	2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck	5.19	
		For Painted, Deduct	*-0.15*	
		For Perforated Or Slotted, Add	*0.15*	
		For Insulated Cells, Add	*0.66*	
		For Up To 100, Add	*2.54*	
		For >100 To 500, Add	*1.19*	
		For >500 To 1,500, Add	*0.56*	
05 36 00 00-0025	SF	2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck	5.61	
		For Painted, Deduct	*-0.16*	
		For Perforated Or Slotted, Add	*0.16*	
		For Insulated Cells, Add	*0.70*	
		For Up To 100, Add	*2.80*	
		For >100 To 500, Add	*1.31*	
		For >500 To 1,500, Add	*0.62*	
05 36 00 00-0026	SF	2" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck	5.94	
		For Painted, Deduct	*-0.16*	
		For Perforated Or Slotted, Add	*0.16*	
		For Insulated Cells, Add	*0.73*	
		For Up To 100, Add	*3.01*	
		For >100 To 500, Add	*1.40*	
		For >500 To 1,500, Add	*0.67*	
05 36 00 00-0027	SF	2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck	6.06	
		For Painted, Deduct	*-0.16*	
		For Perforated Or Slotted, Add	*0.16*	
		For Insulated Cells, Add	*0.73*	
		For Up To 100, Add	*3.13*	
		For >100 To 500, Add	*1.45*	
		For >500 To 1,500, Add	*0.70*	
05 36 00 00-0028	SF	2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck	6.41	
		For Painted, Deduct	*-0.17*	
		For Perforated Or Slotted, Add	*0.17*	
		For Insulated Cells, Add	*0.77*	
		For Up To 100, Add	*3.34*	
		For >100 To 500, Add	*1.54*	
		For >500 To 1,500, Add	*0.75*	
05 36 00 00-0029	SF	3" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck	4.84	
		For Painted, Deduct	*-0.14*	
		For Perforated Or Slotted, Add	*0.14*	
		For Insulated Cells, Add	*0.64*	
		For Up To 100, Add	*2.28*	
		For >100 To 500, Add	*1.08*	
		For >500 To 1,500, Add	*0.50*	
05 36 00 00-0030	SF	3" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck	5.15	
		For Painted, Deduct	*-0.15*	
		For Perforated Or Slotted, Add	*0.15*	
		For Insulated Cells, Add	*0.66*	
		For Up To 100, Add	*2.50*	
		For >100 To 500, Add	*1.18*	
		For >500 To 1,500, Add	*0.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0031	SF	3" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck	5.27	
		For Painted, Deduct	*-0.15*	
		For Perforated Or Slotted, Add	*0.15*	
		For Insulated Cells, Add	*0.66*	
		For Up To 100, Add	*2.62*	
		For >100 To 500, Add	*1.22*	
		For >500 To 1,500, Add	*0.58*	
05 36 00 00-0032	SF	3" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck	5.66	
		For Painted, Deduct	*-0.16*	
		For Perforated Or Slotted, Add	*0.16*	
		For Insulated Cells, Add	*0.70*	
		For Up To 100, Add	*2.84*	
		For >100 To 500, Add	*1.33*	
		For >500 To 1,500, Add	*0.63*	
05 36 00 00-0033	SF	3" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck	6.04	
		For Painted, Deduct	*-0.17*	
		For Perforated Or Slotted, Add	*0.17*	
		For Insulated Cells, Add	*0.75*	
		For Up To 100, Add	*3.05*	
		For >100 To 500, Add	*1.42*	
		For >500 To 1,500, Add	*0.68*	
05 36 00 00-0034	SF	3" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck	6.20	
		For Painted, Deduct	*-0.17*	
		For Perforated Or Slotted, Add	*0.17*	
		For Insulated Cells, Add	*0.75*	
		For Up To 100, Add	*3.21*	
		For >100 To 500, Add	*1.48*	
		For >500 To 1,500, Add	*0.72*	
05 36 00 00-0035	SF	3" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck	6.49	
		For Painted, Deduct	*-0.17*	
		For Perforated Or Slotted, Add	*0.17*	
		For Insulated Cells, Add	*0.77*	
		For Up To 100, Add	*3.42*	
		For >100 To 500, Add	*1.57*	
		For >500 To 1,500, Add	*0.77*	

05 40 Cold-Formed Metal Framing *(05)*

Note: Includes all connecting bolts and welds.

05 41 Structural Metal Stud Framing *(05 40)*

Note: Includes all necessary framing studs, bridging, fasteners necessary to attach to floors, walls, ceilings and a metal stiffener at half height. Per SF of wall area measures one side. Do not deduct for openings of less than 25 SF when calculating total wall square footage.

05 41 00 00-0001 18 Gauge, Load Bearing, Structural Metal Framing *(05 41)*

05 41 00 00-0002	SF	2-1/2" Width, 18 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center	2.74	0.68
		For Walls >10' High, Add	*0.55*	
		For Curved Wall, Add	*0.48*	
		For Up To 200, Add	*0.87*	
		For >200 To 500, Add	*0.43*	
		For 12" On Center, Add	*0.47*	
		For 24" On Center, Deduct	*-0.47*	
05 41 00 00-0003	SF	3-5/8" Width, 18 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center	3.52	0.68
		For Walls >10' High, Add	*0.70*	
		For Curved Wall, Add	*0.50*	
		For Up To 200, Add	*1.04*	
		For >200 To 500, Add	*0.52*	
		For 12" On Center, Add	*0.62*	
		For 24" On Center, Deduct	*-0.62*	
05 41 00 00-0004	SF	4" Width, 18 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center	3.67	0.68
		For Walls >10' High, Add	*0.73*	
		For Curved Wall, Add	*0.52*	
		For Up To 200, Add	*1.08*	
		For >200 To 500, Add	*0.54*	
		For 12" On Center, Add	*0.65*	
		For 24" On Center, Deduct	*-0.65*	
05 41 00 00-0005	SF	6" Width, 18 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center	4.60	0.75
		For Walls >10' High, Add	*0.92*	
		For Curved Wall, Add	*0.54*	
		For Up To 200, Add	*1.28*	
		For >200 To 500, Add	*0.64*	
		For 12" On Center, Add	*0.83*	
		For 24" On Center, Deduct	*-0.83*	
05 41 00 00-0006	SF	8" Width, 18 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center	5.12	0.83
		For Walls >10' High, Add	*1.02*	
		For Curved Wall, Add	*0.57*	
		For Up To 200, Add	*1.40*	
		For >200 To 500, Add	*0.70*	
		For 12" On Center, Add	*0.93*	
		For 24" On Center, Deduct	*-0.93*	

05 41 00 00-0007 16 Gauge, Load Bearing, Structural Metal Framing *(05 41)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 41 00 00-0008	SF	2-1/2" Width, 16 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center	3.40	0.68
		For Walls >10' High, Add	*0.68*	
		For Curved Wall, Add	*0.50*	
		For Up To 200, Add	*1.01*	
		For >200 To 500, Add	*0.51*	
		For 12" On Center, Add	*0.60*	
		For 24" On Center, Deduct	*-0.60*	
05 41 00 00-0009	SF	3-5/8" Width, 16 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center	3.90	0.68
		For Walls >10' High, Add	*0.78*	
		For Curved Wall, Add	*0.53*	
		For Up To 200, Add	*1.13*	
		For >200 To 500, Add	*0.57*	
		For 12" On Center, Add	*0.69*	
		For 24" On Center, Deduct	*-0.69*	
05 41 00 00-0010	SF	4" Width, 16 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center	4.11	0.68
		For Walls >10' High, Add	*0.82*	
		For Curved Wall, Add	*0.55*	
		For Up To 200, Add	*1.19*	
		For >200 To 500, Add	*0.59*	
		For 12" On Center, Add	*0.73*	
		For 24" On Center, Deduct	*-0.73*	
05 41 00 00-0011	SF	6" Width, 16 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center	5.13	0.83
		For Walls >10' High, Add	*1.03*	
		For Curved Wall, Add	*0.57*	
		For Up To 200, Add	*1.41*	
		For >200 To 500, Add	*0.70*	
		For 12" On Center, Add	*0.93*	
		For 24" On Center, Deduct	*-0.93*	
05 41 00 00-0012	SF	8" Width, 16 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center	5.63	0.90
		For Walls >10' High, Add	*1.13*	
		For Curved Wall, Add	*0.60*	
		For Up To 200, Add	*1.53*	
		For >200 To 500, Add	*0.76*	
		For 12" On Center, Add	*1.03*	
		For 24" On Center, Deduct	*-1.03*	

05 41 00 00-0013 14 Gauge, Load Bearing, Structural Metal Framing *(05 41)*

05 41 00 00-0014	SF	3-5/8" Width, 14 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center	4.63	0.94
		For Walls >10' High, Add	*0.93*	
		For Curved Wall, Add	*0.63*	
		For Up To 200, Add	*1.35*	
		For >200 To 500, Add	*0.67*	
		For 12" On Center, Add	*0.82*	
		For 24" On Center, Deduct	*-0.82*	
05 41 00 00-0015	SF	4" Width, 14 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center	4.75	0.96
		For Walls >10' High, Add	*0.95*	
		For Curved Wall, Add	*0.64*	
		For Up To 200, Add	*1.38*	
		For >200 To 500, Add	*0.69*	
		For 12" On Center, Add	*0.84*	
		For 24" On Center, Deduct	*-0.84*	
05 41 00 00-0016	SF	6" Width, 14 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center	5.89	1.02
		For Walls >10' High, Add	*1.18*	
		For Curved Wall, Add	*0.67*	
		For Up To 200, Add	*1.63*	
		For >200 To 500, Add	*0.81*	
		For 12" On Center, Add	*1.07*	
		For 24" On Center, Deduct	*-1.07*	
05 41 00 00-0017	SF	8" Width, 14 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center	6.45	1.06
		For Walls >10' High, Add	*1.29*	
		For Curved Wall, Add	*0.70*	
		For Up To 200, Add	*1.76*	
		For >200 To 500, Add	*0.88*	
		For 12" On Center, Add	*1.17*	
		For 24" On Center, Deduct	*-1.17*	

05 42 Cold-Formed Metal Joist Framing *(05 40)*

05 42 33 Cold-Formed Metal Joist Framing *(05 42)*

05 42 33 00-0001 Steel Joists, 18 Gauge *(05 42 33)*

05 42 33 00-0002	LF	5-1/2" - 18 Gauge Steel Joists	7.24	1.80
05 42 33 00-0003	LF	6" - 18 Gauge Steel Joists	7.99	2.26
05 42 33 00-0004	LF	7-1/4" - 18 Gauge Steel Joists	8.67	2.48
05 42 33 00-0005	LF	8" - 18 Gauge Steel Joists	9.84	2.64

05 42 33 00-0006 Steel Joists, 16 Gauge *(05 42 33)*

05 42 33 00-0007	LF	7-1/4" - 16 Gauge Steel Joists	9.34	2.50
05 42 33 00-0008	LF	8" - 16 Gauge Steel Joists	9.85	2.64

05 42 33 00-0009 Steel Joists, 14 Gauge *(05 42 33)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 42 33 00-0010	LF	9-1/4" - 14 Gauge Steel Joists	11.05	2.64
05 42 33 00-0011	LF	11-1/2" - 14 Gauge Steel Joists	11.99	2.78

05 43 Slotted Channel Framing *(05 40)*

05 43 00 00-0001 Unistrut Channel *(05 43)*

05 43 00 00-0002 Steel Unistrut Channel *(05 43 00 00-0001)*

05 43 00 00-0003	LF	1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	8.35	1.92
		For Galvanizing, Add	*0.77*	
		For Powder Coating, Add	*0.68*	
05 43 00 00-0004	LF	1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	8.57	1.92
		For Galvanizing, Add	*0.80*	
		For Powder Coating, Add	*0.71*	
05 43 00 00-0005	LF	1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	8.91	1.92
		For Galvanizing, Add	*0.86*	
		For Powder Coating, Add	*0.76*	
05 43 00 00-0006	LF	1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	7.92	1.92
		For Galvanizing, Add	*0.69*	
		For Powder Coating, Add	*0.61*	
05 43 00 00-0007	LF	1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	6.96	1.92
		For Galvanizing, Add	*0.53*	
		For Powder Coating, Add	*0.47*	

05 43 00 00-0008 Stainless Steel Unistrut Channel *(05 43 00 00-0001)*

05 43 00 00-0009	LF	1-5/8" Wide x 1-5/8" High, 12 Gauge, Stainless Steel Unistrut Channel	23.50	1.92
05 43 00 00-0010	LF	1-5/8" Wide x 13/16" High, 14 Gauge, Stainless Steel Unistrut Channel	16.44	1.92

05 43 00 00-0011 Unistrut Closure Strips *(05 43)*

05 43 00 00-0012	LF	Raceway Closure Strip For Unistrut Channel	4.24	0.42

05 43 00 00-0013 Lock Nuts With Spring For Unistrut Channel *(05 43)*

Note: Includes hex bolt.

05 43 00 00-0014	EA	1/4-20 Lock Nut With Spring For Unistrut Channel	5.57	
05 43 00 00-0015	EA	3/8-16 Lock Nut With Spring For Unistrut Channel	6.03	
05 43 00 00-0016	EA	1/2-13 Lock Nut With Spring For Unistrut Channel	6.38	
05 43 00 00-0017	EA	5/8-11 Lock Nut With Spring For Unistrut Channel	8.26	

05 43 00 00-0018 Lock Nuts Without Spring For Unistrut Channel *(05 43)*

Note: Includes hex bolt.

05 43 00 00-0019	EA	1/4-20 Lock Nut Without Spring For Unistrut Channel	5.58	
05 43 00 00-0020	EA	3/8-16 Lock Nut Without Spring For Unistrut Channel	6.10	
05 43 00 00-0021	EA	1/2-13 Lock Nut Without Spring For Unistrut Channel	6.41	
05 43 00 00-0022	EA	5/8-11 Lock Nut Without Spring For Unistrut Channel	8.81	

05 43 00 00-0023 Beam Clamp For Unistrut Channel *(05 43)*

05 43 00 00-0024	EA	Unistrut Beam Clamp, 1-5/8" Channel P2675	16.28	6.39
05 43 00 00-0025	EA	Unistrut Beam Clamp, 1-5/8" Channel P2676	19.55	6.39
05 43 00 00-0026	EA	Add For Unistrut Swivel Nut, P2676	1.78	

05 43 00 00-0027 Beam Clamp Clevis Hangers *(05 43)*

05 43 00 00-0028	EA	Up To 3/8" Rod, Beam Clamp Clevis Hanger (Unistrut P2674)	17.41	6.39
05 43 00 00-0029	EA	Up To 1/2" Rod, Beam Clamp Clevis Hanger (Unistrut P2677)	20.02	6.39
05 43 00 00-0030	EA	Add For Unistrut Swivel Nut	1.78	
05 43 00 00-0031	EA	Unistrut Bracket For Shelves	45.44	8.52

05 43 00 00-0032 Pipe And Rigid Conduit Clamps *(05 43)*

05 43 00 00-0033 Pipe And Rigid Conduit Clamps *(05 43 00 00-0032)*

Note: Includes stainless steel (316) hardware.

05 43 00 00-0034	PR	1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	5.98	1.56
05 43 00 00-0035	PR	3/4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	6.16	1.56
05 43 00 00-0036	PR	1" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	6.93	1.89
05 43 00 00-0037	PR	1-1/4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	7.31	2.05
05 43 00 00-0038	PR	1-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	9.61	2.31
05 43 00 00-0039	PR	2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	9.61	2.31
05 43 00 00-0040	PR	2-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	14.43	3.87
05 43 00 00-0041	PR	3" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	14.78	3.87
05 43 00 00-0042	PR	3-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	15.67	4.28
05 43 00 00-0043	PR	4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	17.42	4.61

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 43 00 00-0044		Pipe And Rigid Conduit Clamps *(05 43 00 00-0032)*		
		Note: Includes nylon hardware.		
05 43 00 00-0045	PR	1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	6.14	1.56
05 43 00 00-0046	PR	3/4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	6.32	1.56
05 43 00 00-0047	PR	1" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	7.09	1.89
05 43 00 00-0048	PR	1-1/4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	7.49	2.05
05 43 00 00-0049	PR	1-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	9.88	2.31
05 43 00 00-0050	PR	2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	9.88	2.31
05 43 00 00-0051	PR	2-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	14.80	3.87
05 43 00 00-0052	PR	3" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	15.17	3.87
05 43 00 00-0053	PR	3-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	16.06	4.28
05 43 00 00-0054	PR	4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	17.87	4.61

05 45 Metal Support Assemblies *(05 40)*

05 45 13 Mechanical Metal Supports *(05 45)*

See CSI section 23 05 29 00-0000 for metal supports.

05 45 16 Electrical Metal Supports *(05 45)*

See CSI section 26 05 29 00-0000 for metal supports.

05 50 Metal Fabrications *(05)*

05 51 Metal Stairs *(05 50)*

05 51 13 Metal Pan Stairs *(05 51)*

Note: Open concrete filled metal pan stair and landing including steel stringer, safety nosing and concrete. Excludes handrail.
See CSI section 05 52 13 00-0000 for handrails.

05 51 13 00-0001		Open Concrete Filled Metal Pan Stair And Landing *(05 51 13)*		
		Note: Includes steel stringer, safety nosing and concrete. Excludes handrail.		
05 51 13 00-0002	RSR	3'-6" Wide Open Concrete Filled Metal Pan Tread Stair	539.21	24.77
		For Closed Riser, Add	*61.31*	
05 51 13 00-0003	RSR	4'-0" Wide Open Concrete Filled Metal Pan Tread Stair	613.46	28.90
		For Closed Riser, Add	*69.65*	
05 51 13 00-0004	RSR	5'-0" Wide Open Concrete Filled Metal Pan Tread Stair	684.94	33.85
		For Closed Riser, Add	*77.55*	
05 51 13 00-0005	SF	Concrete Filled Steel Pan Landing	72.48	4.13
		Note: Conventional shape.		

05 51 19 Metal Grating Stairs *(05 51)*

Note: Open steel grating tread metal stair and landing including steel stringers, safety nosing and 2 pipe handrail.

05 51 19 00-0001		Open Steel Grating Tread Metal Stair And Landing *(05 51 19)*		
		Note: Includes steel stringers, safety nosing and 2 pipe handrail.		
05 51 19 00-0002	RSR	3'-6" Wide Open Steel Grating Tread Metal Stair	271.17	33.03
		For Closed Riser, Add	*31.62*	
		For Galvanized Steel, Add	*51.28*	
05 51 19 00-0003	RSR	4'-0" Wide Open Steel Grating Tread Metal Stair	290.85	37.99
		For Closed Riser, Add	*33.63*	
		For Galvanized Steel, Add	*53.72*	
05 51 19 00-0004	RSR	5'-0" Wide Open Steel Grating Tread Metal Stair	323.60	44.59
		For Closed Riser, Add	*37.16*	
		For Galvanized Steel, Add	*58.61*	
05 51 19 00-0005	SF	Steel Grating Landing With Framing And 2 Pipe Handrail	51.67	4.13
		Note: Conventional shape.		
		For Galvanized Steel, Add	*8.79*	

05 51 33 Metal Ladders *(05 51)*

Note: Includes factory prime.

05 51 33 13 Vertical Metal Ladders *(05 51 33)*

05 51 33 13-0001		Vertical Ladders *(05 51 33 13)*		
		Note: Climbing rungs are 3/4" corrugated steel round rungs on 12" centers. Stand-off brackets are 7"		
05 51 33 13-0002	VLF	20" Wide Vertical Steel Ladder Primed	76.05	9.91
		For Galvanized Steel, Add	*11.24*	
		For Aluminum, Add	*22.48*	
05 51 33 13-0003	VLF	24" Wide Vertical Steel Ladder Primed	87.44	9.91
		For Galvanized Steel, Add	*14.09*	
		For Aluminum, Add	*28.18*	
05 51 33 13-0004	VLF	20" Wide Vertical Steel Caged Ladder Primed	183.24	16.51
		For Galvanized Steel, Add	*32.65*	
		For Aluminum, Add	*65.30*	
05 51 33 13-0005	VLF	24" Wide Vertical Steel Caged Ladder Primed	206.03	16.51
		For Galvanized Steel, Add	*38.35*	
		For Aluminum, Add	*76.70*	

05 51 33 13-0006 Vertical Ladders Options *(05 51 33 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 51 33 13-0007	EA	20" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed Note: Extends 42" above landing surface. Includes mounting bracket.	204.96	30.96
		For Galvanized Steel, Add	*35.76*	
		For Aluminum, Add	*71.52*	
05 51 33 13-0008	EA	24" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed Note: Extends 42" above landing surface. Includes mounting bracket.	223.81	33.03
		For Galvanized Steel, Add	*39.44*	
		For Aluminum, Add	*78.88*	
05 51 33 13-0009	EA	Security Cage Entry Gate With Lockable Hasp	283.57	10.32
05 51 33 13-0010	EA	6' Security Ladder Guard	631.82	61.93
05 51 33 13-0011	EA	8' Security Ladder Guard	754.48	72.25
05 51 33 13-0012	EA	Safety Chain Attachment	113.27	

05 51 33 13-0013 Welded Steel Ladder Cages *(05 51 33 13)*

Note: For existing fixed ladders up to 20" wide. Excludes the ladder.

05 51 33 13-0014 Powder Coated, Welded Steel Ladder Cages *(05 51 33 13-0013)*

05 51 33 13-0015	EA	7-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,172.50	123.85
05 51 33 13-0016	EA	8-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,269.51	127.98
05 51 33 13-0017	EA	9-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,347.23	132.11
05 51 33 13-0018	EA	10-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,430.08	136.24
05 51 33 13-0019	EA	11-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,479.50	140.36
05 51 33 13-0020	EA	12-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,558.50	144.49
05 51 33 13-0021	EA	13-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,628.49	148.62
05 51 33 13-0022	EA	14-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,719.07	152.75
05 51 33 13-0023	EA	15-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,807.06	156.88
05 51 33 13-0024	EA	16-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,879.64	161.01
05 51 33 13-0025	EA	17-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,967.64	165.14
05 51 33 13-0026	EA	18-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,053.07	169.26
05 51 33 13-0027	EA	19-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,137.21	173.39
05 51 33 13-0028	EA	20-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,288.23	177.52
05 51 33 13-0029	EA	21-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,335.09	181.64
05 51 33 13-0030	EA	22-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,414.08	185.78
05 51 33 13-0031	EA	23-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,486.65	189.91
05 51 33 13-0032	EA	24-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,554.07	194.04
05 51 33 13-0033	EA	25-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,701.25	198.16
05 51 33 13-0034	EA	26-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,781.53	202.29
05 51 33 13-0035	EA	27-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,856.67	206.42

05 51 33 13-0036 Stainless Steel, Welded Steel Ladder Cages *(05 51 33 13-0013)*

05 51 33 13-0037	EA	7-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	2,693.41	123.85
05 51 33 13-0038	EA	8-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	2,874.78	127.98
05 51 33 13-0039	EA	9-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	3,175.25	132.11
05 51 33 13-0040	EA	10-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	3,324.69	136.24
05 51 33 13-0041	EA	11-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	3,450.82	140.36
05 51 33 13-0042	EA	12-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	3,617.46	144.49
05 51 33 13-0043	EA	13-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	3,915.46	148.62
05 51 33 13-0044	EA	14-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	4,067.37	152.75
05 51 33 13-0045	EA	15-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	4,224.18	156.88
05 51 33 13-0046	EA	16-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	4,395.74	161.01
05 51 33 13-0047	EA	17-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	4,699.89	165.14
05 51 33 13-0048	EA	18-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	4,853.02	169.26
05 51 33 13-0049	EA	19-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	4,998.78	173.39
05 51 33 13-0050	EA	20-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	5,239.08	177.52
05 51 33 13-0051	EA	21-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	5,508.86	181.64
05 51 33 13-0052	EA	22-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	5,659.53	185.78
05 51 33 13-0053	EA	23-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	5,813.90	189.91
05 51 33 13-0054	EA	24-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	5,958.43	194.04
05 51 33 13-0055	EA	25-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	6,326.43	198.16
05 51 33 13-0056	EA	26-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	6,470.97	202.29
05 51 33 13-0057	EA	27-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	6,619.18	206.42

05 51 33 16 Inclined Metal Ladders *(05 51 33)*

05 51 33 16-0001 Industrial Ship Ladder, Incline Stairs *(05 51 33 16)*

Note: Includes factory prime.

05 51 33 16-0002	RSR	3' Wide Industrial Steel Ship Ladder With 2 Rails Each Side	205.33	41.28
		For Aluminum, Add	*61.39*	

05 51 33 23 Alternating Tread Ladders *(05 51 33)*

05 51 33 23-0001 Vertical Ladders With Alternating Tread *(05 51 33 23)*

05 51 33 23-0002	EA	4' Vertical Height Aluminum Alternating Tread Ladder	1,328.27	123.85
		For Stainless Steel, Add	*196.80*	
		For Primed Steel, Deduct	*-191.42*	
05 51 33 23-0003	EA	5' Vertical Height Aluminum Alternating Tread Ladder	1,511.19	131.28
		For Stainless Steel, Add	*240.90*	
		For Primed Steel, Deduct	*-223.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 51 33 23-0004	EA	6' Vertical Height Aluminum Alternating Tread Ladder	1,662.73	131.28
		For Stainless Steel, Add	*288.67*	
		For Primed Steel, Deduct	*-241.55*	
05 51 33 23-0005	EA	7' Vertical Height Aluminum Alternating Tread Ladder	1,912.98	164.97
		For Stainless Steel, Add	*347.24*	
		For Primed Steel, Deduct	*-256.61*	
05 51 33 23-0006	EA	8' Vertical Height Aluminum Alternating Tread Ladder	2,089.84	170.81
		For Stainless Steel, Add	*388.99*	
		For Primed Steel, Deduct	*-298.53*	
05 51 33 23-0007	EA	9' Vertical Height Aluminum Alternating Tread Ladder	2,223.74	170.81
		For Stainless Steel, Add	*453.51*	
		For Primed Steel, Deduct	*-293.53*	
05 51 33 23-0008	EA	10' Vertical Height Aluminum Alternating Tread Ladder	2,445.05	190.54
		For Stainless Steel, Add	*497.40*	
		For Primed Steel, Deduct	*-327.55*	
05 51 33 23-0009	EA	11' Vertical Height Aluminum Alternating Tread Ladder	2,595.07	190.54
		For Stainless Steel, Add	*546.61*	
		For Primed Steel, Deduct	*-347.07*	
05 51 33 23-0010	EA	12' Vertical Height Aluminum Alternating Tread Ladder	2,711.80	190.54
		For Stainless Steel, Add	*623.99*	
		For Primed Steel, Deduct	*-346.65*	

05 52 Metal Railings *(05 50)*

05 52 13 Pipe And Tube Railings *(05 52)*

Note: Includes sleeves, grouting, connection bolts (where necessary) and drilling of bolt (where necessary).

05 52 13 00-0001 Welded Steel Pipe Railing *(05 52 13)*

Note: Includes field welds and touch-up of welds.

05 52 13 00-0002 Single Rail Welded Steel Pipe Railing, Up To 42" High *(05 52 13 00-0001)*

Note: Includes factory primed posts and one rail.

05 52 13 00-0003	LF	1" Diameter Welded Pipe Handrail, 1 Rail, Up To 42" High With Shop Paint	34.18	8.25
		For Schedule 80 Handrail, Add	*2.60*	
		For Additional Off Set Handrail, ADA Attachment, Add	*11.79*	
		For Aluminum, Satin Finish, Add	*7.42*	
		For Aluminum, Clear Anodized Finish, Add	*11.49*	
		For Aluminum, Dark Anodized Finish, Add	*13.25*	
		For Galvanizing, Add	*7.07*	
		For Wrought Iron, Add	*3.42*	
		For Solid Steel Rails, Add	*6.84*	
		For 304 Stainless Steel, Add	*56.54*	
		For 316 Stainless Steel, Add	*63.61*	
		For 2" Wheel Guard, Add	*1.68*	
		For 4" High Kick Plate, Add	*2.21*	
		For 6" High Kick Plate, Add	*3.53*	
		For Curved Rail, Add	*15.56*	
		For Handrail With Supported Safety Edge Expanded Metal Panels, Add	*11.20*	
		For Mounting On Stairs, Add	*4.24*	
		For Mounting On Slopes, Add	*1.65*	
		For Post Base Flange With Screws, Add Per Post	*19.15*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*28.98*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*12.96*	
		For Nylon Coating, Add	*2.65*	
05 52 13 00-0004	LF	1-1/4" Diameter Welded Pipe Handrail, 1 Rail, Up To 42" High With Shop Paint	37.23	8.25
		For Schedule 80 Handrail, Add	*3.69*	
		For Additional Off Set Handrail, ADA Attachment, Add	*11.79*	
		For Aluminum, Satin Finish, Add	*8.70*	
		For Aluminum, Clear Anodized Finish, Add	*13.47*	
		For Aluminum, Dark Anodized Finish, Add	*15.54*	
		For Galvanizing, Add	*8.29*	
		For Wrought Iron, Add	*3.72*	
		For Solid Steel Rails, Add	*7.45*	
		For 304 Stainless Steel, Add	*66.30*	
		For 316 Stainless Steel, Add	*74.59*	
		For 2" Wheel Guard, Add	*1.97*	
		For 4" High Kick Plate, Add	*2.59*	
		For 6" High Kick Plate, Add	*4.14*	
		For Curved Rail, Add	*17.39*	
		For Handrail With Supported Safety Edge Expanded Metal Panels, Add	*11.20*	
		For Mounting On Stairs, Add	*4.55*	
		For Mounting On Slopes, Add	*1.65*	
		For Post Base Flange With Screws, Add Per Post	*19.15*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*28.98*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*14.49*	
		For Nylon Coating, Add	*3.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0005	LF	1-1/2" Diameter Welded Pipe Handrail, 1 Rail, Up To 42" High With Shop Paint	40.27	8.25
		For Schedule 80 Handrail, Add	*3.69*	
		For Additional Off Set Handrail, ADA Attachment, Add	*11.79*	
		For Aluminum, Satin Finish, Add	*9.98*	
		For Aluminum, Clear Anodized Finish, Add	*15.44*	
		For Aluminum, Dark Anodized Finish, Add	*17.82*	
		For Galvanizing, Add	*9.50*	
		For Wrought Iron, Add	*4.03*	
		For Solid Steel Rails, Add	*8.05*	
		For 304 Stainless Steel, Add	*76.03*	
		For 316 Stainless Steel, Add	*85.54*	
		For 2" Wheel Guard, Add	*2.26*	
		For 4" High Kick Plate, Add	*2.97*	
		For 6" High Kick Plate, Add	*4.75*	
		For Curved Rail, Add	*19.21*	
		For Handrail With Supported Safety Edge Expanded Metal Panels, Add	*11.20*	
		For Mounting On Stairs, Add	*4.85*	
		For Mounting On Slopes, Add	*1.65*	
		For Post Base Flange With Screws, Add Per Post	*19.15*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*28.98*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*16.01*	
		For Nylon Coating, Add	*3.56*	
05 52 13 00-0006	LF	2" Diameter Welded Pipe Handrail, 1 Rail, Up To 42" High With Shop Paint	45.55	8.25
		For Schedule 80 Handrail, Add	*4.14*	
		For Additional Off Set Handrail, ADA Attachment, Add	*11.79*	
		For Aluminum, Satin Finish, Add	*12.20*	
		For Aluminum, Clear Anodized Finish, Add	*18.88*	
		For Aluminum, Dark Anodized Finish, Add	*21.78*	
		For Galvanizing, Add	*11.62*	
		For Wrought Iron, Add	*4.56*	
		For Solid Steel Rails, Add	*9.11*	
		For 304 Stainless Steel, Add	*92.93*	
		For 316 Stainless Steel, Add	*104.54*	
		For 2" Wheel Guard, Add	*2.76*	
		For 4" High Kick Plate, Add	*3.63*	
		For 6" High Kick Plate, Add	*5.81*	
		For Curved Rail, Add	*22.38*	
		For Handrail With Supported Safety Edge Expanded Metal Panels, Add	*11.20*	
		For Mounting On Stairs, Add	*5.38*	
		For Mounting On Slopes, Add	*1.65*	
		For Post Base Flange With Screws, Add Per Post	*19.15*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*28.98*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*18.65*	
		For Nylon Coating, Add	*4.36*	
05 52 13 00-0007	LF	2-1/2" Diameter Welded Pipe Handrail, 1 Rail, Up To 42" High With Shop Paint	51.88	8.25
		For Schedule 80 Handrail, Add	*4.59*	
		For Additional Off Set Handrail, ADA Attachment, Add	*11.79*	
		For Aluminum, Satin Finish, Add	*14.86*	
		For Aluminum, Clear Anodized Finish, Add	*22.99*	
		For Aluminum, Dark Anodized Finish, Add	*26.53*	
		For Galvanizing, Add	*14.15*	
		For Wrought Iron, Add	*5.19*	
		For Solid Steel Rails, Add	*10.38*	
		For 304 Stainless Steel, Add	*113.18*	
		For 316 Stainless Steel, Add	*127.33*	
		For 2" Wheel Guard, Add	*3.36*	
		For 4" High Kick Plate, Add	*4.42*	
		For 6" High Kick Plate, Add	*7.07*	
		For Curved Rail, Add	*26.18*	
		For Handrail With Supported Safety Edge Expanded Metal Panels, Add	*11.20*	
		For Mounting On Stairs, Add	*6.01*	
		For Mounting On Slopes, Add	*1.65*	
		For Post Base Flange With Screws, Add Per Post	*19.15*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*28.98*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*21.81*	
		For Nylon Coating, Add	*5.31*	

05 52 13 00-0008 Two Rail Welded Steel Pipe Railing, Up To 42" High *(05 52 13 00-0001)*
Note: Includes factory primed posts and two rails.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0009	LF	1" Diameter Welded Pipe Handrail, 2 Rail, Up To 42" High With Shop Paint	38.60	8.25
		For Schedule 80 Handrail, Add	*2.60*	
		For Additional Off Set Handrail, ADA Attachment, Add	*11.79*	
		For Aluminum, Satin Finish, Add	*9.28*	
		For Aluminum, Clear Anodized Finish, Add	*14.36*	
		For Aluminum, Dark Anodized Finish, Add	*16.57*	
		For Galvanizing, Add	*8.84*	
		For Wrought Iron, Add	*3.86*	
		For Solid Steel Rails, Add	*7.72*	
		For 304 Stainless Steel, Add	*70.69*	
		For 316 Stainless Steel, Add	*79.52*	
		For 2" Wheel Guard, Add	*2.10*	
		For 4" High Kick Plate, Add	*2.76*	
		For 6" High Kick Plate, Add	*4.42*	
		For Curved Rail, Add	*18.21*	
		For Handrail With Supported Safety Edge Expanded Metal Panels, Add	*11.20*	
		For Mounting On Stairs, Add	*4.69*	
		For Mounting On Slopes, Add	*1.65*	
		For Post Base Flange With Screws, Add Per Post	*19.15*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*28.98*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*15.17*	
		For Nylon Coating, Add	*3.31*	
05 52 13 00-0010	LF	1-1/4" Diameter Welded Pipe Handrail, 2 Rail, Up To 42" High With Shop Paint	42.40	8.25
		For Schedule 80 Handrail, Add	*3.69*	
		For Additional Off Set Handrail, ADA Attachment, Add	*11.79*	
		For Aluminum, Satin Finish, Add	*10.87*	
		For Aluminum, Clear Anodized Finish, Add	*16.83*	
		For Aluminum, Dark Anodized Finish, Add	*19.42*	
		For Galvanizing, Add	*10.36*	
		For Wrought Iron, Add	*4.24*	
		For Solid Steel Rails, Add	*8.48*	
		For 304 Stainless Steel, Add	*82.85*	
		For 316 Stainless Steel, Add	*93.20*	
		For 2" Wheel Guard, Add	*2.46*	
		For 4" High Kick Plate, Add	*3.24*	
		For 6" High Kick Plate, Add	*5.18*	
		For Curved Rail, Add	*20.49*	
		For Handrail With Supported Safety Edge Expanded Metal Panels, Add	*11.20*	
		For Mounting On Stairs, Add	*5.07*	
		For Mounting On Slopes, Add	*1.65*	
		For Post Base Flange With Screws, Add Per Post	*19.15*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*28.98*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*17.07*	
		For Nylon Coating, Add	*3.88*	
05 52 13 00-0011	LF	1-1/2" Diameter Welded Pipe Handrail, 2 Rail, Up To 42" High With Shop Paint	46.21	8.25
		For Schedule 80 Handrail, Add	*3.69*	
		For Additional Off Set Handrail, ADA Attachment, Add	*11.79*	
		For Aluminum, Satin Finish, Add	*12.47*	
		For Aluminum, Clear Anodized Finish, Add	*19.31*	
		For Aluminum, Dark Anodized Finish, Add	*22.28*	
		For Galvanizing, Add	*11.88*	
		For Wrought Iron, Add	*4.62*	
		For Solid Steel Rails, Add	*9.24*	
		For 304 Stainless Steel, Add	*95.04*	
		For 316 Stainless Steel, Add	*106.92*	
		For 2" Wheel Guard, Add	*2.82*	
		For 4" High Kick Plate, Add	*3.71*	
		For 6" High Kick Plate, Add	*5.94*	
		For Curved Rail, Add	*22.77*	
		For Handrail With Supported Safety Edge Expanded Metal Panels, Add	*11.20*	
		For Mounting On Stairs, Add	*5.45*	
		For Mounting On Slopes, Add	*1.65*	
		For Post Base Flange With Screws, Add Per Post	*19.15*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*28.98*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*18.98*	
		For Nylon Coating, Add	*4.46*	
05 52 13 00-0012	LF	2" Diameter Welded Pipe Handrail, 2 Rail, Up To 42" High With Shop Paint	52.81	8.25
		For Schedule 80 Handrail, Add	*4.14*	
		For Additional Off Set Handrail, ADA Attachment, Add	*11.79*	
		For Aluminum, Satin Finish, Add	*15.25*	
		For Aluminum, Clear Anodized Finish, Add	*23.60*	
		For Aluminum, Dark Anodized Finish, Add	*27.23*	
		For Galvanizing, Add	*14.52*	
		For Wrought Iron, Add	*5.28*	
		For Solid Steel Rails, Add	*10.56*	
		For 304 Stainless Steel, Add	*116.16*	
		For 316 Stainless Steel, Add	*130.68*	
		For 2" Wheel Guard, Add	*3.45*	
		For 4" High Kick Plate, Add	*4.54*	
		For 6" High Kick Plate, Add	*7.26*	
		For Curved Rail, Add	*26.73*	
		For Handrail With Supported Safety Edge Expanded Metal Panels, Add	*11.20*	
		For Mounting On Stairs, Add	*6.11*	
		For Mounting On Slopes, Add	*1.65*	
		For Post Base Flange With Screws, Add Per Post	*19.15*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*28.98*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*22.28*	
		For Nylon Coating, Add	*5.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0013	LF	2-1/2" Diameter Welded Pipe Handrail, 2 Rail, Up To 42" High With Shop Paint	60.72	8.25
		For Schedule 80 Handrail, Add	*4.59*	
		For Additional Off Set Handrail, ADA Attachment, Add	*11.79*	
		For Aluminum, Satin Finish, Add	*18.57*	
		For Aluminum, Clear Anodized Finish, Add	*28.74*	
		For Aluminum, Dark Anodized Finish, Add	*33.16*	
		For Galvanizing, Add	*17.68*	
		For Wrought Iron, Add	*6.07*	
		For Solid Steel Rails, Add	*12.14*	
		For 304 Stainless Steel, Add	*141.47*	
		For 316 Stainless Steel, Add	*159.16*	
		For 2" Wheel Guard, Add	*4.20*	
		For 4" High Kick Plate, Add	*5.53*	
		For 6" High Kick Plate, Add	*8.84*	
		For Curved Rail, Add	*31.48*	
		For Handrail With Supported Safety Edge Expanded Metal Panels, Add	*11.20*	
		For Mounting On Stairs, Add	*6.90*	
		For Mounting On Slopes, Add	*1.65*	
		For Post Base Flange With Screws, Add Per Post	*19.15*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*28.98*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*26.23*	
		For Nylon Coating, Add	*6.63*	

05 52 13 00-0014 Three Rail Welded Steel Pipe Railing, Up To 42" High *(05 52 13 00-0001)*

Note: Includes factory primed posts and three rails.

05 52 13 00-0015	LF	1" Diameter Welded Pipe Handrail, 3 Rail, Up To 42" High With Shop Paint	51.38	9.91
		For Schedule 80 Handrail, Add	*3.89*	
		For Additional Off Set Handrail, ADA Attachment, Add	*12.45*	
		For Aluminum, Satin Finish, Add	*13.26*	
		For Aluminum, Clear Anodized Finish, Add	*20.52*	
		For Aluminum, Dark Anodized Finish, Add	*23.68*	
		For Galvanizing, Add	*12.63*	
		For Wrought Iron, Add	*5.14*	
		For Solid Steel Rails, Add	*10.28*	
		For 304 Stainless Steel, Add	*101.02*	
		For 316 Stainless Steel, Add	*113.65*	
		For 2" Wheel Guard, Add	*3.00*	
		For 4" High Kick Plate, Add	*3.95*	
		For 6" High Kick Plate, Add	*6.31*	
		For Curved Rail, Add	*24.89*	
		For Handrail With Supported Safety Edge Expanded Metal Panels, Add	*11.20*	
		For Mounting On Stairs, Add	*6.13*	
		For Mounting On Slopes, Add	*1.98*	
		For Post Base Flange With Screws, Add Per Post	*19.48*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.47*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*20.74*	
		For Nylon Coating, Add	*4.74*	
05 52 13 00-0016	LF	1-1/4" Diameter Welded Pipe Handrail, 3 Rail, Up To 42" High With Shop Paint	56.82	9.91
		For Schedule 80 Handrail, Add	*5.36*	
		For Additional Off Set Handrail, ADA Attachment, Add	*12.45*	
		For Aluminum, Satin Finish, Add	*15.54*	
		For Aluminum, Clear Anodized Finish, Add	*24.06*	
		For Aluminum, Dark Anodized Finish, Add	*27.76*	
		For Galvanizing, Add	*14.80*	
		For Wrought Iron, Add	*5.68*	
		For Solid Steel Rails, Add	*11.36*	
		For 304 Stainless Steel, Add	*118.43*	
		For 316 Stainless Steel, Add	*133.24*	
		For 2" Wheel Guard, Add	*3.52*	
		For 4" High Kick Plate, Add	*4.63*	
		For 6" High Kick Plate, Add	*7.40*	
		For Curved Rail, Add	*28.15*	
		For Handrail With Supported Safety Edge Expanded Metal Panels, Add	*11.20*	
		For Mounting On Stairs, Add	*6.67*	
		For Mounting On Slopes, Add	*1.98*	
		For Post Base Flange With Screws, Add Per Post	*19.48*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.47*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*23.46*	
		For Nylon Coating, Add	*5.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0017	LF	1-1/2" Diameter Welded Pipe Handrail, 3 Rail, Up To 42" High With Shop Paint	62.26	9.91
		For Schedule 80 Handrail, Add	*5.36*	
		For Additional Off Set Handrail, ADA Attachment, Add	*12.45*	
		For Aluminum, Satin Finish, Add	*17.83*	
		For Aluminum, Clear Anodized Finish, Add	*27.59*	
		For Aluminum, Dark Anodized Finish, Add	*31.84*	
		For Galvanizing, Add	*16.98*	
		For Wrought Iron, Add	*6.23*	
		For Solid Steel Rails, Add	*12.45*	
		For 304 Stainless Steel, Add	*135.84*	
		For 316 Stainless Steel, Add	*152.82*	
		For 2" Wheel Guard, Add	*4.03*	
		For 4" High Kick Plate, Add	*5.31*	
		For 6" High Kick Plate, Add	*8.49*	
		For Curved Rail, Add	*31.41*	
		For Handrail With Supported Safety Edge Expanded Metal Panels, Add	*11.20*	
		For Mounting On Stairs, Add	*7.22*	
		For Mounting On Slopes, Add	*1.98*	
		For Post Base Flange With Screws, Add Per Post	*19.48*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.47*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*26.18*	
		For Nylon Coating, Add	*6.37*	
05 52 13 00-0018	LF	2" Diameter Welded Pipe Handrail, 3 Rail, Up To 42" High With Shop Paint	71.71	9.91
		For Schedule 80 Handrail, Add	*5.95*	
		For Additional Off Set Handrail, ADA Attachment, Add	*12.45*	
		For Aluminum, Satin Finish, Add	*21.80*	
		For Aluminum, Clear Anodized Finish, Add	*33.74*	
		For Aluminum, Dark Anodized Finish, Add	*38.93*	
		For Galvanizing, Add	*20.76*	
		For Wrought Iron, Add	*7.17*	
		For Solid Steel Rails, Add	*14.34*	
		For 304 Stainless Steel, Add	*166.08*	
		For 316 Stainless Steel, Add	*186.84*	
		For 2" Wheel Guard, Add	*4.93*	
		For 4" High Kick Plate, Add	*6.49*	
		For 6" High Kick Plate, Add	*10.38*	
		For Curved Rail, Add	*37.08*	
		For Handrail With Supported Safety Edge Expanded Metal Panels, Add	*11.20*	
		For Mounting On Stairs, Add	*8.16*	
		For Mounting On Slopes, Add	*1.98*	
		For Post Base Flange With Screws, Add Per Post	*19.48*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.47*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*30.90*	
		For Nylon Coating, Add	*7.79*	
05 52 13 00-0019	LF	2-1/2" Diameter Welded Pipe Handrail, 3 Rail, Up To 42" High With Shop Paint	82.96	9.91
		For Schedule 80 Handrail, Add	*6.55*	
		For Additional Off Set Handrail, ADA Attachment, Add	*12.45*	
		For Aluminum, Satin Finish, Add	*26.52*	
		For Aluminum, Clear Anodized Finish, Add	*41.05*	
		For Aluminum, Dark Anodized Finish, Add	*47.36*	
		For Galvanizing, Add	*25.26*	
		For Wrought Iron, Add	*8.30*	
		For Solid Steel Rails, Add	*16.59*	
		For 304 Stainless Steel, Add	*202.08*	
		For 316 Stainless Steel, Add	*227.34*	
		For 2" Wheel Guard, Add	*6.00*	
		For 4" High Kick Plate, Add	*7.89*	
		For 6" High Kick Plate, Add	*12.63*	
		For Curved Rail, Add	*43.83*	
		For Handrail With Supported Safety Edge Expanded Metal Panels, Add	*11.20*	
		For Mounting On Stairs, Add	*9.29*	
		For Mounting On Slopes, Add	*1.98*	
		For Post Base Flange With Screws, Add Per Post	*19.48*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.47*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*36.53*	
		For Nylon Coating, Add	*9.47*	

05 52 13 00-0020 Four Rail Welded Steel Pipe Railing, Up To 42" High *(05 52 13 00-0001)*

Note: Includes factory primed posts and four rails.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0021	LF	1" Diameter Welded Pipe Handrail, 4 Rail, Up To 42" High With Shop Paint	61.87	11.56
		For Schedule 80 Handrail, Add	*5.40*	
		For Additional Off Set Handrail, ADA Attachment, Add	*13.11*	
		For Aluminum, Satin Finish, Add	*16.28*	
		For Aluminum, Clear Anodized Finish, Add	*25.19*	
		For Aluminum, Dark Anodized Finish, Add	*29.06*	
		For Galvanizing, Add	*15.50*	
		For Wrought Iron, Add	*6.19*	
		For Solid Steel Rails, Add	*12.37*	
		For 304 Stainless Steel, Add	*124.00*	
		For 316 Stainless Steel, Add	*139.50*	
		For 2" Wheel Guard, Add	*3.68*	
		For 4" High Kick Plate, Add	*4.84*	
		For 6" High Kick Plate, Add	*7.75*	
		For Curved Rail, Add	*30.19*	
		For Handrail With Supported Safety Edge Expanded Metal Panels, Add	*11.20*	
		For Mounting On Stairs, Add	*7.34*	
		For Mounting On Slopes, Add	*2.31*	
		For Post Base Flange With Screws, Add Per Post	*19.81*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.97*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*25.16*	
		For Nylon Coating, Add	*5.81*	
05 52 13 00-0022	LF	1-1/4" Diameter Welded Pipe Handrail, 4 Rail, Up To 42" High With Shop Paint	60.55	11.56
		For Schedule 80 Handrail, Add	*7.23*	
		For Additional Off Set Handrail, ADA Attachment, Add	*13.11*	
		For Aluminum, Satin Finish, Add	*15.72*	
		For Aluminum, Clear Anodized Finish, Add	*24.33*	
		For Aluminum, Dark Anodized Finish, Add	*28.07*	
		For Galvanizing, Add	*14.97*	
		For Wrought Iron, Add	*6.06*	
		For Solid Steel Rails, Add	*12.11*	
		For 304 Stainless Steel, Add	*119.78*	
		For 316 Stainless Steel, Add	*134.75*	
		For 2" Wheel Guard, Add	*3.56*	
		For 4" High Kick Plate, Add	*4.68*	
		For 6" High Kick Plate, Add	*7.49*	
		For Curved Rail, Add	*29.39*	
		For Handrail With Supported Safety Edge Expanded Metal Panels, Add	*11.20*	
		For Mounting On Stairs, Add	*7.21*	
		For Mounting On Slopes, Add	*2.31*	
		For Post Base Flange With Screws, Add Per Post	*19.81*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.97*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*24.50*	
		For Nylon Coating, Add	*5.61*	
05 52 13 00-0023	LF	1-1/2" Diameter Welded Pipe Handrail, 4 Rail, Up To 42" High With Shop Paint	59.23	11.56
		For Schedule 80 Handrail, Add	*7.23*	
		For Additional Off Set Handrail, ADA Attachment, Add	*13.11*	
		For Aluminum, Satin Finish, Add	*15.17*	
		For Aluminum, Clear Anodized Finish, Add	*23.47*	
		For Aluminum, Dark Anodized Finish, Add	*27.08*	
		For Galvanizing, Add	*14.44*	
		For Wrought Iron, Add	*5.92*	
		For Solid Steel Rails, Add	*11.85*	
		For 304 Stainless Steel, Add	*115.55*	
		For 316 Stainless Steel, Add	*130.00*	
		For 2" Wheel Guard, Add	*3.43*	
		For 4" High Kick Plate, Add	*4.51*	
		For 6" High Kick Plate, Add	*7.22*	
		For Curved Rail, Add	*28.60*	
		For Handrail With Supported Safety Edge Expanded Metal Panels, Add	*11.20*	
		For Mounting On Stairs, Add	*7.08*	
		For Mounting On Slopes, Add	*2.31*	
		For Post Base Flange With Screws, Add Per Post	*19.81*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.97*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*23.84*	
		For Nylon Coating, Add	*5.42*	
05 52 13 00-0024	LF	2" Diameter Welded Pipe Handrail, 4 Rail, Up To 42" High With Shop Paint	82.28	11.56
		For Schedule 80 Handrail, Add	*7.97*	
		For Additional Off Set Handrail, ADA Attachment, Add	*13.11*	
		For Aluminum, Satin Finish, Add	*24.85*	
		For Aluminum, Clear Anodized Finish, Add	*38.45*	
		For Aluminum, Dark Anodized Finish, Add	*44.37*	
		For Galvanizing, Add	*23.66*	
		For Wrought Iron, Add	*8.23*	
		For Solid Steel Rails, Add	*16.46*	
		For 304 Stainless Steel, Add	*189.31*	
		For 316 Stainless Steel, Add	*212.98*	
		For 2" Wheel Guard, Add	*5.62*	
		For 4" High Kick Plate, Add	*7.40*	
		For 6" High Kick Plate, Add	*11.83*	
		For Curved Rail, Add	*42.43*	
		For Handrail With Supported Safety Edge Expanded Metal Panels, Add	*11.20*	
		For Mounting On Stairs, Add	*9.38*	
		For Mounting On Slopes, Add	*2.31*	
		For Post Base Flange With Screws, Add Per Post	*19.81*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.97*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*35.36*	
		For Nylon Coating, Add	*8.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0025	LF	2-1/2" Diameter Welded Pipe Handrail, 4 Rail, Up To 42" High With Shop Paint	94.88	11.56
		For Schedule 80 Handrail, Add	*8.71*	
		For Additional Off Set Handrail, ADA Attachment, Add	*13.11*	
		For Aluminum, Satin Finish, Add	*30.14*	
		For Aluminum, Clear Anodized Finish, Add	*46.64*	
		For Aluminum, Dark Anodized Finish, Add	*53.82*	
		For Galvanizing, Add	*28.70*	
		For Wrought Iron, Add	*9.49*	
		For Solid Steel Rails, Add	*18.98*	
		For 304 Stainless Steel, Add	*229.63*	
		For 316 Stainless Steel, Add	*258.34*	
		For 2" Wheel Guard, Add	*6.82*	
		For 4" High Kick Plate, Add	*8.97*	
		For 6" High Kick Plate, Add	*14.35*	
		For Curved Rail, Add	*49.99*	
		For Handrail With Supported Safety Edge Expanded Metal Panels, Add	*11.20*	
		For Mounting On Stairs, Add	*10.64*	
		For Mounting On Slopes, Add	*2.31*	
		For Post Base Flange With Screws, Add Per Post	*19.81*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.97*	
		For Custom Design Or Shapes (Square Tops, etc), Add	*41.66*	
		For Nylon Coating, Add	*10.76*	

05 52 13 00-0026 Welded Steel Wall Rail With Brackets *(05 52 13)*

Note: Includes factory primed, fasteners and field touch-up of welds.

05 52 13 00-0027	LF	1" Diameter Welded Pipe Wall Handrail Steel Pipe With Brackets And Shop Paint, Up To 42" High	29.29	4.96
		For Schedule 80 Handrail, Add	*1.63*	
		For Stainless Steel, Add	*33.82*	
		For Aluminum, Satin Finish, Add	*7.10*	
		For Curved Rail, Add	*8.79*	
		For Aluminum, Clear Anodized Finish, Add	*10.99*	
		For Aluminum, Dark Anodized Finish, Add	*12.68*	
		For Galvanized Finish, Add	*5.07*	
05 52 13 00-0028	LF	1-1/4" Diameter Welded Pipe Wall Handrail Steel Pipe With Brackets And Shop Paint, Up To 42" High	29.83	4.96
		For Schedule 80 Handrail, Add	*1.81*	
		For Stainless Steel, Add	*34.90*	
		For Aluminum, Satin Finish, Add	*7.33*	
		For Curved Rail, Add	*8.95*	
		For Aluminum, Clear Anodized Finish, Add	*11.34*	
		For Aluminum, Dark Anodized Finish, Add	*13.09*	
		For Galvanized Finish, Add	*5.24*	
05 52 13 00-0029	LF	1-1/2" Diameter Welded Pipe Wall Handrail Steel Pipe With Brackets And Shop Paint, Up To 42" High	30.38	4.96
		For Schedule 80 Handrail, Add	*4.25*	
		For Stainless Steel, Add	*36.00*	
		For Aluminum, Satin Finish, Add	*7.56*	
		For Curved Rail, Add	*9.11*	
		For Aluminum, Clear Anodized Finish, Add	*11.70*	
		For Aluminum, Dark Anodized Finish, Add	*13.50*	
		For Galvanized Finish, Add	*5.40*	
05 52 13 00-0030	LF	2" Diameter Welded Pipe Wall Handrail Steel Pipe With Brackets And Shop Paint, Up To 42" High	36.65	4.96
		For Schedule 80 Handrail, Add	*2.14*	
		For Stainless Steel, Add	*48.54*	
		For Aluminum, Satin Finish, Add	*10.19*	
		For Curved Rail, Add	*11.00*	
		For Aluminum, Clear Anodized Finish, Add	*15.78*	
		For Aluminum, Dark Anodized Finish, Add	*18.20*	
		For Galvanized Finish, Add	*7.28*	
05 52 13 00-0031	LF	2-1/2" Diameter Welded Pipe Wall Handrail Steel Pipe With Brackets And Shop Paint, Up To 42" High	41.83	4.96
		For Schedule 80 Handrail, Add	*2.29*	
		For Stainless Steel, Add	*58.90*	
		For Aluminum, Satin Finish, Add	*12.37*	
		For Curved Rail, Add	*12.55*	
		For Aluminum, Clear Anodized Finish, Add	*19.14*	
		For Aluminum, Dark Anodized Finish, Add	*22.09*	
		For Galvanized Finish, Add	*8.84*	

05 52 13 00-0032 Welded Steel Wall Rail With Brackets, Custom Shapes *(05 52 13)*

Note: Includes factory primed, fasteners and field touch-up of welds.

05 52 13 00-0033	LF	1" Diameter Welded Pipe Wall Handrail Steel Pipe, Custom Shapes With Brackets And Shop Paint, Up To 42" High	35.70	5.21
		For Schedule 80 Handrail, Add	*1.63*	
		For Stainless Steel, Add	*46.64*	
		For Aluminum, Satin Finish, Add	*9.79*	
		For Curved Rail, Add	*10.71*	
		For Aluminum, Clear Anodized Finish, Add	*15.16*	
		For Aluminum, Dark Anodized Finish, Add	*17.49*	
		For Galvanized Finish, Add	*7.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0034	LF	1-1/4" Diameter Welded Pipe Wall Handrail Steel Pipe, Custom Shapes With Brackets And Shop Paint, Up To 42" High	36.46	5.21
		For Schedule 80 Handrail, Add	*1.81*	
		For Stainless Steel, Add	*48.16*	
		For Aluminum, Satin Finish, Add	*10.11*	
		For Curved Rail, Add	*10.94*	
		For Aluminum, Clear Anodized Finish, Add	*15.65*	
		For Aluminum, Dark Anodized Finish, Add	*18.06*	
		For Galvanized Finish, Add	*7.22*	
05 52 13 00-0035	LF	1-1/2" Diameter Welded Pipe Wall Handrail Steel Pipe, Custom Shapes With Brackets And Shop Paint, Up To 42" High	37.03	5.21
		For Schedule 80 Handrail, Add	*4.25*	
		For Stainless Steel, Add	*49.30*	
		For Aluminum, Satin Finish, Add	*10.35*	
		For Curved Rail, Add	*11.11*	
		For Aluminum, Clear Anodized Finish, Add	*16.02*	
		For Aluminum, Dark Anodized Finish, Add	*18.49*	
		For Galvanized Finish, Add	*7.40*	
05 52 13 00-0036	LF	2" Diameter Welded Pipe Wall Handrail Steel Pipe, Custom Shapes With Brackets And Shop Paint, Up To 42" High	45.79	5.21
		For Schedule 80 Handrail, Add	*2.14*	
		For Stainless Steel, Add	*66.82*	
		For Aluminum, Satin Finish, Add	*14.03*	
		For Curved Rail, Add	*13.74*	
		For Aluminum, Clear Anodized Finish, Add	*21.72*	
		For Aluminum, Dark Anodized Finish, Add	*25.06*	
		For Galvanized Finish, Add	*10.02*	
05 52 13 00-0037	LF	2-1/2" Diameter Welded Pipe Wall Handrail Steel Pipe, Custom Shapes With Brackets And Shop Paint, Up To 42" High	51.52	5.21
		For Schedule 80 Handrail, Add	*2.29*	
		For Stainless Steel, Add	*78.28*	
		For Aluminum, Satin Finish, Add	*16.44*	
		For Curved Rail, Add	*15.46*	
		For Aluminum, Clear Anodized Finish, Add	*25.44*	
		For Aluminum, Dark Anodized Finish, Add	*29.36*	
		For Galvanized Finish, Add	*11.74*	

05 52 13 00-0038 Remove And Reinstall Pipe Railing *(05 52 13)*

05 52 13 00-0039	LF	Remove And Reinstall Railing, Wall Mounted, Including Brackets	18.58	
05 52 13 00-0040	LF	Remove And Reinstall Railing, Floor Mounted Railing	24.23	
05 52 13 00-0041	EA	Install New Railing Bracket	50.33	
		For Stainless Steel, Add	*51.12*	

05 53 Metal Gratings *(05 50)*

05 53 13 Bar Gratings *(05 53)*

05 53 13 00-0001 Welded Grating *(05 53 13)*

Note: Sizes are for height and width of bearing bars. Welded grating is open grid grating which has bearing bars and cross bars locked in place by resistance welding, or conventional hand welding. Resistance welded grating is produced on precise automated production equipment by combining hydraulic pressure with a powerful electric current to fuse - electroforge - the cross bar and bearing bar into a single rigid panel.

05 53 13 00-0002 Steel, Welded Grating *(05 53 13 00-0001)*

Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted or tack welded, unpainted steel, and in all sizes.

05 53 13 00-0003	SF	3/4" x 1/8" Steel, Welded Grating	7.54	0.90
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*0.97*	
		For 304 Stainless Steel, Add	*18.36*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*1.67*	
		For Crossbars At 2" O.C., Add	*0.62*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.36*	
05 53 13 00-0004	SF	3/4" x 3/16" Steel, Welded Grating	9.91	0.90
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*1.38*	
		For 304 Stainless Steel, Add	*25.97*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*2.36*	
		For Crossbars At 2" O.C., Add	*0.87*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.42*	
05 53 13 00-0005	SF	1" x 1/8" Steel, Welded Grating	9.06	0.90
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*1.23*	
		For 304 Stainless Steel, Add	*23.24*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*2.11*	
		For Crossbars At 2" O.C., Add	*0.78*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0006	SF	1" x 3/16" Steel, Welded Grating	12.28	0.90
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*1.78*	
		For 304 Stainless Steel, Add	*33.58*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*3.05*	
		For Crossbars At 2" O.C., Add	*1.13*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.48*	
05 53 13 00-0007	SF	1" x 1/4" Steel, Welded Grating	15.50	0.90
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.33*	
		For 304 Stainless Steel, Add	*43.91*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*3.99*	
		For Crossbars At 2" O.C., Add	*1.48*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.56*	
05 53 13 00-0008	SF	1-1/4" x 1/8" Steel, Welded Grating	10.60	0.90
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*1.49*	
		For 304 Stainless Steel, Add	*28.18*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*2.56*	
		For Crossbars At 2" O.C., Add	*0.95*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.44*	
05 53 13 00-0009	SF	1-1/4" x 3/16" Steel, Welded Grating	14.51	0.90
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.16*	
		For 304 Stainless Steel, Add	*40.73*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*3.71*	
		For Crossbars At 2" O.C., Add	*1.37*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.54*	
05 53 13 00-0010	SF	1-1/2" x 1/8" Steel, Welded Grating	12.14	0.90
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*1.75*	
		For 304 Stainless Steel, Add	*33.13*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*3.01*	
		For Crossbars At 2" O.C., Add	*1.11*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.48*	
05 53 13 00-0011	SF	1-1/2" x 3/16" Steel, Welded Grating	17.28	1.12
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.56*	
		For 304 Stainless Steel, Add	*48.31*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*4.39*	
		For Crossbars At 2" O.C., Add	*1.63*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.87*	
05 53 13 00-0012	SF	1-1/2" x 1/4" Steel, Welded Grating	22.17	1.12
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.39*	
		For 304 Stainless Steel, Add	*64.01*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*5.82*	
		For Crossbars At 2" O.C., Add	*2.15*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.99*	
05 53 13 00-0013	SF	1-3/4" x 3/16" Steel, Welded Grating	19.66	1.12
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.96*	
		For 304 Stainless Steel, Add	*55.95*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*5.09*	
		For Crossbars At 2" O.C., Add	*1.88*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.93*	
05 53 13 00-0014	SF	2" x 3/16" Steel, Welded Grating	21.90	1.12
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.34*	
		For 304 Stainless Steel, Add	*63.14*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*5.74*	
		For Crossbars At 2" O.C., Add	*2.12*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0015	SF	2-1/4" x 3/16" Steel, Welded Grating	24.27	1.12
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.75*	
		For 304 Stainless Steel, Add	*70.75*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*6.44*	
		For Crossbars At 2" O.C., Add	*2.38*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.05*	
05 53 13 00-0016	SF	2-1/2" x 3/16" Steel, Welded Grating	26.50	1.12
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.13*	
		For 304 Stainless Steel, Add	*77.91*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*7.09*	
		For Crossbars At 2" O.C., Add	*2.62*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.10*	

05 53 13 00-0017 Pressure Locked Grating *(05 53 13)*

Note: Sizes are for height and width of bearing bars. Pressure locked grating is an open grid grating which is an assembly of tight-fitting, slotted bearing bars and cross bars, interlocked together. The permanent locking of the bars is accomplished by slotting the bearing bars with a wider 'dovetail' shape at the bottom of the slot. The bearing bar slot is usually 1/2 the depth of the cross bar. The cross bars are slotted to a depth slightly less than half its depth. When the bars are pressed together under hydraulic pressure, the cross bar material is forced into the 'dovetail' shape of the bearing bar notch, forming a strong, rigid unit.

05 53 13 00-0018 Steel, Pressure Locked Grating *(05 53 13 00-0017)*

Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted or tack welded, unpainted steel, and in all sizes.

05 53 13 00-0019	SF	3/4" x 1/8" Steel, Pressure Locked Grating	13.75	0.90
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*1.96*	
		For 304 Stainless Steel, Add	*22.32*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*3.48*	
		For Crossbars At 2" O.C., Add	*1.29*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.52*	
05 53 13 00-0020	SF	3/4" x 3/16" Steel, Pressure Locked Grating	16.80	0.90
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.46*	
		For 304 Stainless Steel, Add	*28.03*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*4.37*	
		For Crossbars At 2" O.C., Add	*1.62*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.59*	
05 53 13 00-0021	SF	1" x 1/8" Steel, Pressure Locked Grating	15.06	0.90
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.17*	
		For 304 Stainless Steel, Add	*24.77*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*3.87*	
		For Crossbars At 2" O.C., Add	*1.43*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.55*	
05 53 13 00-0022	SF	1" x 3/16" Steel, Pressure Locked Grating	20.29	0.90
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.03*	
		For 304 Stainless Steel, Add	*34.56*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 7/16" O.C., Add	*26.78*	
		For Bearing Bars At 15/16" O.C., Add	*5.39*	
		For Crossbars At 2" O.C., Add	*1.99*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.68*	
05 53 13 00-0023	SF	1-1/4" x 1/8" Steel, Pressure Locked Grating	16.80	0.90
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.46*	
		For 304 Stainless Steel, Add	*28.03*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*4.37*	
		For Crossbars At 2" O.C., Add	*1.62*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.59*	
05 53 13 00-0024	SF	1-1/4" x 3/16" Steel, Pressure Locked Grating	22.71	0.90
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.43*	
		For 304 Stainless Steel, Add	*39.09*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*6.10*	
		For Crossbars At 2" O.C., Add	*2.26*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0025	SF	1-1/2" x 1/8" Steel, Pressure Locked Grating	18.63	0.90
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.76*	
		For 304 Stainless Steel, Add	*31.45*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*4.91*	
		For Crossbars At 2" O.C., Add	*1.82*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.64*	
05 53 13 00-0026	SF	1-1/2" x 3/16" Steel, Pressure Locked Grating	25.66	1.12
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.84*	
		For 304 Stainless Steel, Add	*43.84*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 7/16" O.C., Add	*33.97*	
		For Bearing Bars At 15/16" O.C., Add	*6.84*	
		For Crossbars At 2" O.C., Add	*2.53*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.08*	
05 53 13 00-0027	SF	1-3/4" x 3/16" Steel, Pressure Locked Grating	28.21	1.12
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.26*	
		For 304 Stainless Steel, Add	*48.61*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*7.59*	
		For Crossbars At 2" O.C., Add	*2.81*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.14*	
05 53 13 00-0028	SF	2" x 3/16" Steel, Pressure Locked Grating	30.29	1.12
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.60*	
		For 304 Stainless Steel, Add	*52.50*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*8.19*	
		For Crossbars At 2" O.C., Add	*3.03*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.20*	
05 53 13 00-0029	SF	2-1/4" x 3/16" Steel, Pressure Locked Grating	32.29	1.12
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.93*	
		For 304 Stainless Steel, Add	*56.24*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*8.78*	
		For Crossbars At 2" O.C., Add	*3.25*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.25*	
05 53 13 00-0030	SF	2-1/2" x 3/16" Steel, Pressure Locked Grating	34.02	1.12
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*5.21*	
		For 304 Stainless Steel, Add	*59.48*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*9.28*	
		For Crossbars At 2" O.C., Add	*3.43*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.29*	
05 53 13 00-0031		Aluminum, Type 6063, Pressure Locked Grating *(05 53 13 00-0017)*		
		Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted in place, and in all sizes.		
05 53 13 00-0032	SF	3/4" x 1/8" Aluminum, Pressure Locked Grating	10.07	0.90
		For Bearing Bars At 15/16" O.C., Add	*2.41*	
		For Crossbars At 2" O.C., Add	*0.89*	
		For Set In Place Without Bolting, Deduct	*-1.43*	
05 53 13 00-0033	SF	3/4" x 3/16" Aluminum, Pressure Locked Grating	13.45	0.90
		For Bearing Bars At 15/16" O.C., Add	*3.40*	
		For Crossbars At 2" O.C., Add	*1.26*	
		For Set In Place Without Bolting, Deduct	*-1.51*	
05 53 13 00-0034	SF	1" x 1/8" Aluminum, Pressure Locked Grating	12.72	0.90
		For Bearing Bars At 15/16" O.C., Add	*3.18*	
		For Crossbars At 2" O.C., Add	*1.18*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.49*	
05 53 13 00-0035	SF	1" x 3/16" Aluminum, Pressure Locked Grating	17.10	0.90
		For Bearing Bars At 7/16" O.C., Add	*22.16*	
		For Bearing Bars At 15/16" O.C., Add	*4.46*	
		For Crossbars At 2" O.C., Add	*1.65*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.60*	
05 53 13 00-0036	SF	1-1/4" x 1/8" Aluminum, Pressure Locked Grating	14.65	0.90
		For Bearing Bars At 15/16" O.C., Add	*3.75*	
		For Crossbars At 2" O.C., Add	*1.39*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0037	SF	1-1/4" x 3/16" Aluminum, Pressure Locked Grating	19.42	0.90
		For Bearing Bars At 15/16" O.C., Add	*5.14*	
		For Crossbars At 2" O.C., Add	*1.90*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.66*	
05 53 13 00-0038	SF	1-1/2" x 1/8" Aluminum, Pressure Locked Grating	16.46	0.90
		For Bearing Bars At 15/16" O.C., Add	*4.27*	
		For Crossbars At 2" O.C., Add	*1.58*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.59*	
05 53 13 00-0039	SF	1-1/2" x 3/16" Aluminum, Pressure Locked Grating	21.81	0.90
		For Bearing Bars At 7/16" O.C., Add	*28.99*	
		For Bearing Bars At 15/16" O.C., Add	*5.84*	
		For Crossbars At 2" O.C., Add	*2.16*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.72*	
05 53 13 00-0040	SF	1-3/4" x 3/16" Aluminum, Pressure Locked Grating	24.10	0.90
		For Bearing Bars At 15/16" O.C., Add	*6.51*	
		For Crossbars At 2" O.C., Add	*2.41*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.78*	
05 53 13 00-0041	SF	2" x 3/16" Aluminum, Pressure Locked Grating	26.81	0.90
		For Bearing Bars At 15/16" O.C., Add	*7.30*	
		For Crossbars At 2" O.C., Add	*2.70*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.84*	
05 53 13 00-0042	SF	2-1/4" x 3/16" Aluminum, Pressure Locked Grating	28.94	0.90
		For Bearing Bars At 15/16" O.C., Add	*7.92*	
		For Crossbars At 2" O.C., Add	*2.93*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.90*	
05 53 13 00-0043	SF	2-1/2" x 3/16" Aluminum, Pressure Locked Grating	31.47	0.90
		For Bearing Bars At 15/16" O.C., Add	*8.66*	
		For Crossbars At 2" O.C., Add	*3.20*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.96*	

05 53 13 00-0044 Swage Locked Grating *(05 53 13)*

Note: Sizes are for height and width of bearing bars. Swage locked grating is an open grid grating where bearing bars are pre-punched to receive a cross bar without penetrating or cutting the top surface of the bearing bar. The cross bar is then inserted through the pre-punched hole and deformed by swaging or squeezing under hydraulic pressure to permanently lock the bars in place.

05 53 13 00-0045 Steel, Swage Locked Grating *(05 53 13 00-0044)*

Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted or tack welded, unpainted steel, and in all sizes.

05 53 13 00-0046	SF	1" x 3/16" Steel, Swaged Grating	22.15	0.90
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*1.87*	
		For 304 Stainless Steel, Add	*33.71*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*13.01*	
		For Crossbars At 2" O.C., Add	*1.63*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.73*	
05 53 13 00-0047	SF	1-1/4" x 3/16" Steel, Swaged Grating	24.65	0.90
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.10*	
		For 304 Stainless Steel, Add	*37.85*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*14.61*	
		For Crossbars At 2" O.C., Add	*1.83*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.79*	
05 53 13 00-0048	SF	1-1/2" x 3/16" Steel, Swaged Grating	27.03	1.12
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.28*	
		For 304 Stainless Steel, Add	*41.12*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*15.87*	
		For Crossbars At 2" O.C., Add	*1.98*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.11*	
05 53 13 00-0049	SF	1-3/4" x 3/16" Steel, Swaged Grating	30.87	1.12
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.63*	
		For 304 Stainless Steel, Add	*47.49*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*18.33*	
		For Crossbars At 2" O.C., Add	*2.29*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0050	SF	2" x 3/16" Steel, Swaged Grating	34.73	1.12
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.99*	
		For 304 Stainless Steel, Add	*53.89*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*20.80*	
		For Crossbars At 2" O.C., Add	*2.60*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.31*	
05 53 13 00-0051	SF	2-1/4" x 3/16" Steel, Swaged Grating	38.57	1.12
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.34*	
		For 304 Stainless Steel, Add	*60.25*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*23.26*	
		For Crossbars At 2" O.C., Add	*2.91*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.40*	
05 53 13 00-0052	SF	2-1/2" x 3/16" Steel, Swaged Grating	42.43	1.12
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.70*	
		For 304 Stainless Steel, Add	*66.65*	
		Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
		For Bearing Bars At 15/16" O.C., Add	*25.73*	
		For Crossbars At 2" O.C., Add	*3.22*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.50*	

05 53 13 00-0053 Aluminum Grating, Type 6063, Swage Locked *(05 53 13 00-0044)*

Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted in place, and in all sizes.

05 53 13 00-0054	SF	1" x 1/8" Aluminum, Swaged Grating	11.79	0.90
		For Bearing Bars At 15/16" O.C., Add	*6.38*	
		For Crossbars At 2" O.C., Add	*0.80*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.47*	
05 53 13 00-0055	SF	1" x 3/16" Aluminum, Swaged Grating	15.13	0.90
		For Bearing Bars At 15/16" O.C., Add	*8.52*	
		For Crossbars At 2" O.C., Add	*1.06*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.55*	
05 53 13 00-0056	SF	1-1/4" x 1/8" Aluminum, Swaged Grating	13.29	0.90
		For Bearing Bars At 15/16" O.C., Add	*7.34*	
		For Crossbars At 2" O.C., Add	*0.92*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.51*	
05 53 13 00-0057	SF	1-1/4" x 3/16" Aluminum, Swaged Grating	17.37	0.90
		For Bearing Bars At 15/16" O.C., Add	*9.95*	
		For Crossbars At 2" O.C., Add	*1.24*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.61*	
05 53 13 00-0058	SF	1-1/2" x 1/8" Aluminum, Swaged Grating	15.07	0.90
		For Bearing Bars At 15/16" O.C., Add	*8.48*	
		For Crossbars At 2" O.C., Add	*1.06*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.55*	
05 53 13 00-0059	SF	1-1/2" x 3/16" Aluminum, Swaged Grating	19.78	0.90
		For Bearing Bars At 15/16" O.C., Add	*11.49*	
		For Crossbars At 2" O.C., Add	*1.44*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.67*	
05 53 13 00-0060	SF	1-3/4" x 3/16" Aluminum, Swaged Grating	22.55	0.90
		For Bearing Bars At 15/16" O.C., Add	*13.27*	
		For Crossbars At 2" O.C., Add	*1.66*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.74*	
05 53 13 00-0061	SF	2" x 3/16" Aluminum, Swaged Grating	25.31	0.90
		For Bearing Bars At 15/16" O.C., Add	*15.03*	
		For Crossbars At 2" O.C., Add	*1.88*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.81*	
05 53 13 00-0062	SF	2-1/4" x 3/16" Aluminum, Swaged Grating	28.08	0.90
		For Bearing Bars At 15/16" O.C., Add	*16.81*	
		For Crossbars At 2" O.C., Add	*2.10*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.88*	
05 53 13 00-0063	SF	2-1/2" x 3/16" Aluminum, Swaged Grating	30.83	0.90
		For Bearing Bars At 15/16" O.C., Add	*18.57*	
		For Crossbars At 2" O.C., Add	*2.32*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0064		**Riveted Grating** *(05 53 13)* Note: Riveted grating is an open grid grating where bearing bars are pre-punched to receive a solid round rivet. Crimp/lacing bars are pre-punched as well and then formed into a reticulated shape. Bearing bars and crimp bars are then assembled and clamped in place by rivets which are cold driven under hydraulic pressure to permanently lock the assembly together.		
05 53 13 00-0065		**Steel, Riveted Grating** *(05 53 13 00-0064)* Note: 1" clear opening, bolted or tack welded in place, unpainted steel, all sizes.		
05 53 13 00-0066	SF	3/4" x 1/8", 7.0 LB/SF, Steel, Riveted Grating	41.58	0.90
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*1.91*	
		For 304 Stainless Steel, Add	*34.15*	
		For 5/8" Clear Opening, Add	*13.72*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.21*	
05 53 13 00-0067	SF	3/4" x 3/16", 8.5 LB/SF, Steel, Riveted Grating	48.86	0.90
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.26*	
		For 304 Stainless Steel, Add	*40.41*	
		For 5/8" Clear Opening, Add	*16.23*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.40*	
05 53 13 00-0068	SF	1" x 1/8", 8.0 LB/SF, Steel, Riveted Grating	44.93	0.90
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.07*	
		For 304 Stainless Steel, Add	*37.03*	
		For 5/8" Clear Opening, Add	*14.87*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.30*	
05 53 13 00-0069	SF	1" x 3/16", 9.5 LB/SF, Steel, Riveted Grating	51.63	0.90
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.39*	
		For 304 Stainless Steel, Add	*42.79*	
		For 5/8" Clear Opening, Add	*17.18*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.46*	
05 53 13 00-0070	SF	1-1/4" x 1/8", 9.0 LB/SF, Steel, Riveted Grating	47.71	0.90
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.20*	
		For 304 Stainless Steel, Add	*39.42*	
		For 5/8" Clear Opening, Add	*15.83*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.37*	
05 53 13 00-0071	SF	1-1/4" x 3/16", 11.1 LB/SF, Steel, Riveted Grating	56.80	0.90
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.64*	
		For 304 Stainless Steel, Add	*47.23*	
		For 5/8" Clear Opening, Add	*18.97*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.59*	
05 53 13 00-0072	SF	1-1/2" x 1/8", 10.1 LB/SF, Steel, Riveted Grating	50.79	1.12
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.33*	
		For 304 Stainless Steel, Add	*41.71*	
		For 5/8" Clear Opening, Add	*16.75*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.71*	
05 53 13 00-0073	SF	1-1/2" x 3/16", 12.5 LB/SF, Steel, Riveted Grating	60.51	1.12
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.80*	
		For 304 Stainless Steel, Add	*50.06*	
		For 5/8" Clear Opening, Add	*20.11*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.95*	
05 53 13 00-0074	SF	1-3/4" x 3/16", 14.0 LB/SF, Steel, Riveted Grating	65.47	1.12
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.04*	
		For 304 Stainless Steel, Add	*54.32*	
		For 5/8" Clear Opening, Add	*21.82*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.08*	
05 53 13 00-0075	SF	2" x 3/16", 17.0 LB/SF, Steel, Riveted Grating	76.54	1.12
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.57*	
		For 304 Stainless Steel, Add	*63.83*	
		For 5/8" Clear Opening, Add	*25.64*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.35*	
05 53 13 00-0076	SF	2-1/4" x 3/16", 18.5 LB/SF, Steel, Riveted Grating	80.39	1.12
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.75*	
		For 304 Stainless Steel, Add	*67.14*	
		For 5/8" Clear Opening, Add	*26.97*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0077	SF	2-1/2" x 3/16", 20.0 LB/SF, Steel, Riveted Grating	83.83	1.12
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.92*	
		For 304 Stainless Steel, Add	*70.09*	
		For 5/8" Clear Opening, Add	*28.15*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.53*	
05 53 13 00-0078		Aluminum, Riveted Grating *(05 53 13 00-0064)*		
		Note: 1" clear opening, bolted in place and in all sizes.		
05 53 13 00-0079	SF	3/4" x 1/8", 2.4 LB/SF, Aluminum, Riveted Grating	24.59	0.90
		For 5/8" Clear Opening, Add	*7.86*	
		For Set In Place Without Bolting, Deduct	*-1.79*	
05 53 13 00-0080	SF	3/4" x 3/16", 2.9 LB/SF, Aluminum, Riveted Grating	29.10	0.90
		For 5/8" Clear Opening, Add	*9.41*	
		For Set In Place Without Bolting, Deduct	*-1.90*	
05 53 13 00-0081	SF	1" x 1/8", 2.7 LB/SF, Aluminum, Riveted Grating	27.00	0.90
		For 5/8" Clear Opening, Add	*8.69*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.85*	
05 53 13 00-0082	SF	1" x 3/16", 3.2 LB/SF, Aluminum, Riveted Grating	31.40	0.90
		For 5/8" Clear Opening, Add	*10.21*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.96*	
05 53 13 00-0083	SF	1-1/4" x 1/8", 3.1 LB/SF, Aluminum, Riveted Grating	30.22	0.90
		For 5/8" Clear Opening, Add	*9.80*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.93*	
05 53 13 00-0084	SF	1-1/4" x 3/16", 3.8 LB/SF, Aluminum, Riveted Grating	36.33	0.90
		For 5/8" Clear Opening, Add	*11.91*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.08*	
05 53 13 00-0085	SF	1-1/2" x 1/8", 3.4 LB/SF, Aluminum, Riveted Grating	32.42	0.90
		For 5/8" Clear Opening, Add	*10.56*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.98*	
05 53 13 00-0086	SF	1-1/2" x 3/16", 4.3 LB/SF, Aluminum, Riveted Grating	40.18	0.90
		For 5/8" Clear Opening, Add	*13.23*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.18*	
05 53 13 00-0087	SF	1-3/4" x 3/16", 4.8 LB/SF, Aluminum, Riveted Grating	44.24	0.90
		For 5/8" Clear Opening, Add	*14.63*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.28*	
05 53 13 00-0088	SF	2" x 3/16", 5.8 LB/SF, Aluminum, Riveted Grating	52.60	0.90
		For 5/8" Clear Opening, Add	*17.52*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.49*	
05 53 13 00-0089	SF	2-1/4" x 3/16", 6.4 LB/SF, Aluminum, Riveted Grating	57.33	0.90
		For 5/8" Clear Opening, Add	*19.15*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.61*	
05 53 13 00-0090	SF	2-1/2" x 3/16", 7.2 LB/SF, Aluminum, Riveted Grating	63.69	0.90
		For 5/8" Clear Opening, Add	*21.35*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.77*	
05 53 16		**Plank Gratings** *(05 53)*		
05 53 16 00-0001		Grate-Lock Steel Plank Grating *(05 53 16)*		
		Note: Smooth or traction grip surface.		
05 53 16 00-0002	SF	1-1/2" Height, 18 Gauge Steel Grate-Lock Plank Grating	9.32	0.70
		For Stair Tread Application, Add	*1.14*	
05 53 16 00-0003	SF	2-1/2" Height, 18 Gauge Steel Grate-Lock Plank Grating	10.02	0.86
		For Stair Tread Application, Add	*1.26*	
05 53 16 00-0004	SF	3" Height, 18 Gauge Steel Grate-Lock Plank Grating	10.60	0.94
		For Stair Tread Application, Add	*1.35*	
05 53 16 00-0005	SF	4" Height, 18 Gauge Steel Grate-Lock Plank Grating	11.56	1.04
		For Stair Tread Application, Add	*1.47*	
05 53 16 00-0006	SF	1-1/2" Height, 16 Gauge Steel Grate-Lock Plank Grating	11.30	0.78
		For Stair Tread Application, Add	*1.37*	
05 53 16 00-0007	SF	2-1/2" Height, 16 Gauge Steel Grate-Lock Plank Grating	12.10	0.94
		For Stair Tread Application, Add	*1.50*	
05 53 16 00-0008	SF	1-1/2" Height, 14 Gauge Steel Grate-Lock Plank Grating	13.83	0.90
		For Stair Tread Application, Add	*1.66*	
05 53 16 00-0009	SF	2-1/2" Height, 14 Gauge Steel Grate-Lock Plank Grating	14.83	1.12
		For Stair Tread Application, Add	*1.82*	
05 53 16 00-0010	SF	3" Height, 14 Gauge Steel Grate-Lock Plank Grating	16.00	1.41
		For Stair Tread Application, Add	*2.02*	
05 53 16 00-0011	SF	4" Height, 14 Gauge Steel Grate-Lock Plank Grating	17.69	1.57
		For Stair Tread Application, Add	*2.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

05 54 Metal Floor Plates *(05 50)*

05 54 00 00-0001 Steel Floor Plates *(05 54)*

05 54 00 00-0002	SF	16 Gauge Steel Raised Or Diamond Pattern Floor Plates	10.75	1.08
05 54 00 00-0003	SF	14 Gauge Steel Raised Or Diamond Pattern Floor Plates	12.21	1.08
05 54 00 00-0004	SF	12 Gauge Steel Raised Or Diamond Pattern Floor Plates	15.16	1.08
05 54 00 00-0005	SF	1/8" Steel Raised Or Diamond Pattern Floor Plates	20.21	1.16
05 54 00 00-0006	SF	1/4" Steel Raised Or Diamond Pattern Floor Plates	25.50	1.24

05 54 00 00-0007 Aluminum Alloy Floor Plates *(05 54)*

05 54 00 00-0008	SF	0.125" Aluminum Alloy Raised Or Diamond Pattern Floor Plate	15.65	0.90
05 54 00 00-0009	SF	0.188" Aluminum Alloy Raised Or Diamond Pattern Floor Plate	17.94	1.08
05 54 00 00-0010	SF	0.25" Aluminum Alloy Raised Or Diamond Pattern Floor Plate	20.26	1.16

05 54 00 00-0011 Type 304 Stainless Steel Floor Plates *(05 54)*

05 54 00 00-0012	SF	1/8" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate	26.43	1.24
		For 316 Stainless Steel, Add	*7.38*	
05 54 00 00-0013	SF	3/16" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate	31.58	1.41
		For 316 Stainless Steel, Add	*8.86*	
05 54 00 00-0014	SF	1/4" Type 304 Stainless Raised Or Diamond Pattern Steel Floor Plate	40.89	1.65
		For 316 Stainless Steel, Add	*11.57*	

05 55 Metal Stair Treads And Nosings *(05 50)*

05 55 13 Metal Stair Treads *(05 55)*

05 55 13 00-0001 Abrasive Cast Aluminum Stair Treads *(05 55 13)*

Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.

05 55 13 00-0002	LF	8" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	37.99	4.31
		For 3/8" Thick, Add	*7.77*	
05 55 13 00-0003	LF	9" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	41.67	4.31
		For 3/8" Thick, Add	*8.69*	
05 55 13 00-0004	LF	10" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	45.34	4.31
		For 3/8" Thick, Add	*9.61*	
05 55 13 00-0005	LF	11" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	49.03	4.31
		For 3/8" Thick, Add	*10.53*	
05 55 13 00-0006	LF	12" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	52.69	4.31
		For 3/8" Thick, Add	*11.45*	

05 55 13 00-0007 Abrasive Cast Iron Stair Treads *(05 55 13)*

Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.

05 55 13 00-0008	LF	8" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	52.26	4.31
05 55 13 00-0009	LF	9" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	57.71	4.31
05 55 13 00-0010	LF	10" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	63.17	4.31
05 55 13 00-0011	LF	11" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	68.62	4.31
05 55 13 00-0012	LF	12" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	74.08	4.31

05 55 13 00-0013 Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Treads *(05 55 13)*

Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.

05 55 13 00-0014	LF	6-1/2" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread	20.79	4.31
05 55 13 00-0015	LF	9" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread	24.12	4.31
05 55 13 00-0016	LF	11" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread	25.59	4.31

05 55 13 00-0017 Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Treads *(05 55 13)*

Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.

05 55 13 00-0018	LF	8" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	29.99	4.31
		For Epoxy Sealed For Corrosive Environment, Add	*2.31*	
		For Two Color Tread, Add	*1.74*	
05 55 13 00-0019	LF	9" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	30.26	4.31
		For Epoxy Sealed For Corrosive Environment, Add	*2.31*	
		For Two Color Tread, Add	*1.74*	
05 55 13 00-0020	LF	11" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	36.26	4.31
		For Epoxy Sealed For Corrosive Environment, Add	*2.31*	
		For Two Color Tread, Add	*1.74*	
05 55 13 00-0021	LF	12" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	41.51	4.31
		For Epoxy Sealed For Corrosive Environment, Add	*2.31*	
		For Two Color Tread, Add	*1.74*	
05 55 13 00-0022	LF	15" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	48.36	4.31
		For Epoxy Sealed For Corrosive Environment, Add	*2.31*	
		For Two Color Tread, Add	*1.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 55 13 00-0023		Stair Landing Treads *(05 55 13)*		
05 55 13 00-0024		Abrasive Cast Aluminum Stair Landing Treads *(05 55 13 00-0023)*		
		Note: Includes abrasive diamond pattern surface and anchors.		
05 55 13 00-0025	SF	5/16" Thick, Abrasive Cast Aluminum Landing Treads	52.69	4.31
		For 3/8" Thick, Add	*11.45*	
05 55 13 00-0026		Abrasive Cast Iron Stair Landing Treads *(05 55 13 00-0023)*		
		Note: Includes abrasive diamond pattern surface and anchors.		
05 55 13 00-0027	SF	3/8" Thick, Abrasive Cast Iron Landing Treads	74.08	4.31
05 55 13 00-0028		Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads *(05 55 13 00-0023)*		
		Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.		
05 55 13 00-0029	SF	9/32" Thick, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads	48.96	4.31
		For Epoxy Sealed For Corrosive Environment, Add	*2.31*	
05 55 13 00-0030		Open Cast Iron Stair Tread *(05 55 13)*		
		Note: Includes steel stringers, safety nosing and 2 pipe handrail. Excludes landings.		
05 55 13 00-0031	RSR	3'-6" Wide, Open Cast Iron Stair Tread	371.85	33.03
		For Closed Riser, Add	*31.65*	
05 55 13 00-0032	RSR	4'-0" Wide, Open Cast Iron Stair Tread	420.41	37.99
		For Closed Riser, Add	*35.66*	
05 55 13 00-0033	RSR	5'-0" Wide, Open Cast Iron Stair Tread	464.93	44.59
		For Closed Riser, Add	*39.38*	
05 55 16		**Metal Stair Nosings** *(05 55)*		
05 55 16 00-0001		Abrasive Cast Aluminum Nosings *(05 55 16)*		
		Note: Includes abrasive diamond pattern surface and anchors.		
05 55 16 00-0002	LF	3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing	16.45	2.94
		For 3/8" Thick, Add	*2.94*	
05 55 16 00-0003	LF	4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing	20.01	2.94
		For 3/8" Thick, Add	*3.83*	
05 55 16 00-0004	LF	6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing	27.92	2.94
		For 3/8" Thick, Add	*5.80*	
05 55 16 00-0005		Abrasive Cast Iron Nosings *(05 55 16)*		
		Note: Includes abrasive diamond pattern surface and anchors.		
05 55 16 00-0006	LF	3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing	19.05	2.94
		For 3/8" Thick, Add	*3.59*	
05 55 16 00-0007	LF	4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing	23.42	2.94
		For 3/8" Thick, Add	*4.68*	
05 55 16 00-0008	LF	6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing	32.06	2.94
		For 3/8" Thick, Add	*6.84*	
05 55 16 00-0009		Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosings *(05 55 16)*		
		Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.		
05 55 16 00-0010	LF	1-7/8" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	14.05	2.94
05 55 16 00-0011	LF	3" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	15.76	2.94
05 55 16 00-0012	LF	4" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	17.07	2.94
05 55 16 00-0013	LF	6" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	21.13	2.94
05 55 16 00-0014	LF	1-7/8" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	14.51	2.94
05 55 16 00-0015	LF	3" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	15.97	2.94
05 55 16 00-0016	LF	4" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	17.41	2.94
05 55 16 00-0017	LF	3" Depth, 1/4" Thick, 1-3/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	16.53	2.94
05 56		Metal Castings *(05 50)*		
05 56 00 00-0001		Castings *(05 56)*		
05 56 00 00-0002	LB	Up To 150 LB, Miscellaneous Castings, Light Section	3.04	0.41
05 56 00 00-0003	LB	>150 LB, Miscellaneous Castings, Heavy Section	4.97	0.33
05 58		Formed Metal Fabrications *(05 50)*		
05 58 16		**Formed Metal Enclosures** *(05 58)*		
05 58 16 00-0001		Drip Pan *(05 58 16)*		
05 58 16 00-0002	SF	Stainless Steel Drip Pan	39.68	4.31
05 58 16 00-0003	SF	Galvanized Steel Drip Pan	29.27	4.31
05 58 16 00-0004	SF	Aluminum Drip Pan	15.26	3.45
05 58 16 00-0005	SF	Plastic Drip Pan	11.18	3.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 58 23		**Formed Metal Guards** *(05 58)*		
05 58 23 00-0001		Protective Guard Rails *(05 58 23)* Note: Includes painted finish.		
05 58 23 00-0002		2-Rib, 11 Gauge Steel, Protective Guard Rails *(05 58 23 00-0001)* Note: Steel King Armor Guard.		
05 58 23 00-0003		Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rails *(05 58 23 00-0002)* Note: Excludes posts. Includes fasteners.		
05 58 23 00-0004	EA	1' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	109.22	14.10
05 58 23 00-0005	EA	2' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	127.61	14.10
05 58 23 00-0006	EA	3' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	144.96	14.10
05 58 23 00-0007	EA	4' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	163.34	14.10
05 58 23 00-0008	EA	5' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	180.79	14.10
05 58 23 00-0009	EA	6' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	203.40	14.10
05 58 23 00-0010	EA	7' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	218.80	14.10
05 58 23 00-0011	EA	8' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	242.66	14.10
05 58 23 00-0012	EA	9' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	258.31	14.10
05 58 23 00-0013	EA	10' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	269.49	14.10
05 58 23 00-0014		Posts For 2-Rib Guard Rails *(05 58 23 00-0002)* Note: Includes drilling, surface mounting plate and anchors.		
05 58 23 00-0015	EA	12" Height, Single Rail Post For 2-Rib Guard Rails	221.75	29.38
05 58 23 00-0016	EA	42" Height, Triple Rail Post For 2-Rib Guard Rails	285.61	29.38
05 58 23 00-0017		3-Rib, 11 Gauge Steel, Protective Guard Rails *(05 58 23 00-0001)* Note: Steel King Steel Guard.		
05 58 23 00-0018		Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rails *(05 58 23 00-0017)* Note: Excludes posts. Includes fasteners.		
05 58 23 00-0019	EA	1' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	120.31	14.10
05 58 23 00-0020	EA	2' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	132.53	14.10
05 58 23 00-0021	EA	3' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	147.79	14.10
05 58 23 00-0022	EA	4' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	162.05	14.10
05 58 23 00-0023	EA	5' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	178.55	14.10
05 58 23 00-0024	EA	6' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	186.50	14.10
05 58 23 00-0025	EA	7' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	205.63	14.10
05 58 23 00-0026	EA	8' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	221.78	14.10
05 58 23 00-0027	EA	9' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	238.93	14.10
05 58 23 00-0028	EA	10' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	256.32	14.10
05 58 23 00-0029		Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rails *(05 58 23 00-0017)* Note: Excludes posts. Includes fasteners and lift-out mounting plate.		
05 58 23 00-0030	EA	1' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	175.32	14.10
05 58 23 00-0031	EA	2' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	188.74	14.10
05 58 23 00-0032	EA	3' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	202.65	14.10
05 58 23 00-0033	EA	4' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	218.80	14.10
05 58 23 00-0034	EA	5' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	234.95	14.10
05 58 23 00-0035	EA	6' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	248.12	14.10
05 58 23 00-0036	EA	7' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	263.28	14.10
05 58 23 00-0037	EA	8' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	280.42	14.10
05 58 23 00-0038	EA	9' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	298.81	14.10
05 58 23 00-0039	EA	10' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	314.96	14.10
05 58 23 00-0040		Posts For 3-Rib Guard Rails *(05 58 23 00-0017)* Note: Includes drilling, surface mounting plate and anchors.		
05 58 23 00-0041	EA	18" Height, Single Rail Post For 3-Rib Guard Rails	196.31	29.38
05 58 23 00-0042	EA	42" Height, Double Rail Post For 3-Rib Guard Rails	248.09	29.38
05 58 23 00-0043		All-Welded, Protective Guards *(05 58 23)* Note: Surface mounted inverted-U style protective barriers. Includes painted finish, drilling, surface mounting plate and anchors.		
05 58 23 00-0044		All-Welded, Protective Guards *(05 58 23 00-0043)*		
05 58 23 00-0045	EA	36" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	256.49	39.17
05 58 23 00-0046	EA	48" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	268.91	39.17
05 58 23 00-0047	EA	36" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	276.12	39.17
05 58 23 00-0048	EA	48" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	286.80	39.17
05 58 23 00-0049	EA	36" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	284.32	39.17
05 58 23 00-0050	EA	48" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	297.49	39.17
05 58 23 00-0051	EA	36" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	301.21	39.17
05 58 23 00-0052	EA	48" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	305.44	39.17
05 58 23 00-0053	EA	48" Length, 42" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	325.56	39.17

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 58 23 00-0054		Corner Style, All-Welded, Protective Guards *(05 58 23 00-0043)*		
05 58 23 00-0055	EA	24" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	333.52	39.17
05 58 23 00-0056	EA	30" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	348.42	39.17
05 58 23 00-0057	EA	24" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	354.64	39.17
05 58 23 00-0058	EA	30" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	385.20	39.17
05 58 23 00-0059		Warehouse Safety Bollards *(05 58 23)*		
		Note: Includes painted finish, drilling, surface mounting plate and anchors.		
05 58 23 00-0060	EA	24" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	163.23	29.38
05 58 23 00-0061	EA	36" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	187.78	29.38
05 58 23 00-0062	EA	42" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	213.77	29.38
05 58 23 00-0063	EA	36" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	220.87	29.38
05 58 23 00-0064	EA	42" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	237.27	29.38

05 59 Metal Specialties *(05 50)*

05 59 65 Chain *(05 59)*

05 59 65 00-0001		Alloy Steel Chain, Self Colored, Cut Length *(05 59 65)*		
		Note: Includes all connecting links, double clevis mid-Links, slip or grab hooks, or shackles as required.		
05 59 65 00-0002	LF	3/16" Diameter Alloy Steel Chain, Cut Length, Self Colored	3.77	0.80
		For Plastic Dipped, Add	*0.33*	
05 59 65 00-0003	LF	1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored	5.06	1.07
		For Plastic Dipped, Add	*0.44*	
05 59 65 00-0004	LF	3/8" Diameter Alloy Steel Chain, Cut Length, Self Colored	8.21	2.13
		For Plastic Dipped, Add	*0.59*	
05 59 65 00-0005	LF	1/2" Diameter Alloy Steel Chain, Cut Length, Self Colored	13.25	3.59
		For Plastic Dipped, Add	*0.91*	
05 59 65 00-0006	LF	5/8" Diameter Alloy Steel Chain, Cut Length, Self Colored	22.37	6.07
		For Plastic Dipped, Add	*1.53*	
05 59 65 00-0007	LF	3/4" Diameter Alloy Steel Chain, Cut Length, Self Colored	31.40	8.52
		For Plastic Dipped, Add	*2.15*	
05 59 65 00-0008	LF	7/8" Diameter Alloy Steel Chain, Cut Length, Self Colored	42.36	10.65
		For Plastic Dipped, Add	*3.16*	
05 59 65 00-0009	LF	1" Diameter Alloy Steel Chain, Cut Length, Self Colored	60.68	14.19
		For Plastic Dipped, Add	*4.84*	
05 59 65 00-0010	LF	1-1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored	97.84	21.30
		For Plastic Dipped, Add	*8.29*	

05 59 69 Metal Panels *(05 59)*

05 59 69 00-0001		Woven And Welded Wire Cloth *(05 59 69)*		
		Note: Excludes frame and fastening to frame. See CSI section 05 12 23 00-0113 for spot welding.		
05 59 69 00-0002		Plain Steel Woven And Welded Wire Cloth Panels *(05 59 69 00-0001)*		
05 59 69 00-0003		2" Square Wire Spacing *(05 59 69 00-0002)*		
05 59 69 00-0004	SF	0.12" Thick Wire, 2" Spacing, 0.44 LB/SF Woven And Welded Wire Cloth Panels	6.66	2.28
		For Up To 2 SF Panel, Add	*1.94*	
		For >2 To 6 SF Panel, Add	*1.12*	
		For >15 To 40 SF, Deduct	*-0.18*	
		For >40 SF, Deduct	*-0.54*	
		For Galvanized, Add	*1.82*	
		For Aluminum, Add	*2.18*	
		For 304 Stainless Steel, Add	*8.71*	
		For 316 Stainless Steel, Add	*9.98*	
05 59 69 00-0005	SF	0.135" Thick Wire, 2" Spacing, 0.55 LB/SF Woven And Welded Wire Cloth Panels	7.15	2.37
		For Up To 2 SF Panel, Add	*2.06*	
		For >2 To 6 SF Panel, Add	*1.19*	
		For >15 To 40 SF, Deduct	*-0.20*	
		For >40 SF, Deduct	*-0.60*	
		For Galvanized, Add	*2.00*	
		For Aluminum, Add	*2.39*	
		For 304 Stainless Steel, Add	*9.58*	
		For 316 Stainless Steel, Add	*10.97*	
05 59 69 00-0006	SF	0.148" Thick Wire, 2" Spacing, 0.65 LB/SF Woven And Welded Wire Cloth Panels	7.62	2.63
		For Up To 2 SF Panel, Add	*2.22*	
		For >2 To 6 SF Panel, Add	*1.29*	
		For >15 To 40 SF, Deduct	*-0.21*	
		For >40 SF, Deduct	*-0.62*	
		For Galvanized, Add	*2.06*	
		For Aluminum, Add	*2.47*	
		For 304 Stainless Steel, Add	*9.89*	
		For 316 Stainless Steel, Add	*11.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0007	SF	0.162" Thick Wire, 2" Spacing, 0.78 LB/SF Woven And Welded Wire Cloth Panels	8.02	2.74
		For Up To 2 SF Panel, Add	*2.33*	
		For >2 To 6 SF Panel, Add	*1.35*	
		For >15 To 40 SF, Deduct	*-0.22*	
		For >40 SF, Deduct	*-0.66*	
		For Galvanized, Add	*2.19*	
		For Aluminum, Add	*2.63*	
		For 304 Stainless Steel, Add	*10.51*	
		For 316 Stainless Steel, Add	*12.05*	
05 59 69 00-0008	SF	0.177" Thick Wire, 2" Spacing, 0.92 LB/SF Woven And Welded Wire Cloth Panels	8.80	3.07
		For Up To 2 SF Panel, Add	*2.58*	
		For >2 To 6 SF Panel, Add	*1.49*	
		For >15 To 40 SF, Deduct	*-0.24*	
		For >40 SF, Deduct	*-0.71*	
		For Galvanized, Add	*2.36*	
		For Aluminum, Add	*2.83*	
		For 304 Stainless Steel, Add	*11.30*	
		For 316 Stainless Steel, Add	*12.95*	
05 59 69 00-0009	SF	0.192" Thick Wire, 2" Spacing, 1.08 LB/SF Woven And Welded Wire Cloth Panels	10.09	3.41
		For Up To 2 SF Panel, Add	*2.93*	
		For >2 To 6 SF Panel, Add	*1.69*	
		For >15 To 40 SF, Deduct	*-0.28*	
		For >40 SF, Deduct	*-0.83*	
		For Galvanized, Add	*2.77*	
		For Aluminum, Add	*3.32*	
		For 304 Stainless Steel, Add	*13.27*	
		For 316 Stainless Steel, Add	*15.21*	
05 59 69 00-0010	SF	0.207" Thick Wire, 2" Spacing, 1.25 LB/SF Woven And Welded Wire Cloth Panels	11.41	3.75
		For Up To 2 SF Panel, Add	*3.28*	
		For >2 To 6 SF Panel, Add	*1.89*	
		For >15 To 40 SF, Deduct	*-0.32*	
		For >40 SF, Deduct	*-0.96*	
		For Galvanized, Add	*3.20*	
		For Aluminum, Add	*3.84*	
		For 304 Stainless Steel, Add	*15.36*	
		For 316 Stainless Steel, Add	*17.60*	
05 59 69 00-0011	SF	0.225" Thick Wire, 2" Spacing, 1.46 LB/SF Woven And Welded Wire Cloth Panels	13.04	4.18
		For Up To 2 SF Panel, Add	*3.72*	
		For >2 To 6 SF Panel, Add	*2.14*	
		For >15 To 40 SF, Deduct	*-0.37*	
		For >40 SF, Deduct	*-1.12*	
		For Galvanized, Add	*3.74*	
		For Aluminum, Add	*4.48*	
		For 304 Stainless Steel, Add	*17.93*	
		For 316 Stainless Steel, Add	*20.54*	

05 59 69 00-0012 1-3/4" Square Wire Spacing *(05 59 69 00-0002)*

05 59 69 00-0013	SF	0.12" Thick Wire, 1-3/4" Spacing, 0.49 LB/SF Woven And Welded Wire Cloth Panels	6.99	2.41
		For Up To 2 SF Panel, Add	*2.04*	
		For >2 To 6 SF Panel, Add	*1.18*	
		For >15 To 40 SF, Deduct	*-0.19*	
		For >40 SF, Deduct	*-0.57*	
		For Galvanized, Add	*1.89*	
		For Aluminum, Add	*2.27*	
		For 304 Stainless Steel, Add	*9.07*	
		For 316 Stainless Steel, Add	*10.40*	
05 59 69 00-0014	SF	0.135" Thick Wire, 1-3/4" Spacing, 0.62 LB/SF Woven And Welded Wire Cloth Panels	7.67	2.54
		For Up To 2 SF Panel, Add	*2.21*	
		For >2 To 6 SF Panel, Add	*1.28*	
		For >15 To 40 SF, Deduct	*-0.21*	
		For >40 SF, Deduct	*-0.64*	
		For Galvanized, Add	*2.14*	
		For Aluminum, Add	*2.57*	
		For 304 Stainless Steel, Add	*10.27*	
		For 316 Stainless Steel, Add	*11.77*	
05 59 69 00-0015	SF	0.148" Thick Wire, 1-3/4" Spacing, 0.74 LB/SF Woven And Welded Wire Cloth Panels	8.27	2.85
		For Up To 2 SF Panel, Add	*2.41*	
		For >2 To 6 SF Panel, Add	*1.40*	
		For >15 To 40 SF, Deduct	*-0.22*	
		For >40 SF, Deduct	*-0.67*	
		For Galvanized, Add	*2.24*	
		For Aluminum, Add	*2.68*	
		For 304 Stainless Steel, Add	*10.73*	
		For 316 Stainless Steel, Add	*12.29*	
05 59 69 00-0016	SF	0.162" Thick Wire, 1-3/4" Spacing, 0.88 LB/SF Woven And Welded Wire Cloth Panels	8.63	2.94
		For Up To 2 SF Panel, Add	*2.51*	
		For >2 To 6 SF Panel, Add	*1.45*	
		For >15 To 40 SF, Deduct	*-0.24*	
		For >40 SF, Deduct	*-0.71*	
		For Galvanized, Add	*2.36*	
		For Aluminum, Add	*2.83*	
		For 304 Stainless Steel, Add	*11.30*	
		For 316 Stainless Steel, Add	*12.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0017	SF	0.177" Thick Wire, 1-3/4" Spacing, 1.04 LB/SF Woven And Welded Wire Cloth Panels	9.47	3.30
		For Up To 2 SF Panel, Add	*2.77*	
		For >2 To 6 SF Panel, Add	*1.61*	
		For >15 To 40 SF, Deduct	*-0.25*	
		For >40 SF, Deduct	*-0.76*	
		For Galvanized, Add	*2.54*	
		For Aluminum, Add	*3.04*	
		For 304 Stainless Steel, Add	*12.17*	
		For 316 Stainless Steel, Add	*13.94*	
05 59 69 00-0018	SF	0.192" Thick Wire, 1-3/4" Spacing, 1.22 LB/SF Woven And Welded Wire Cloth Panels	10.85	3.68
		For Up To 2 SF Panel, Add	*3.15*	
		For >2 To 6 SF Panel, Add	*1.82*	
		For >15 To 40 SF, Deduct	*-0.30*	
		For >40 SF, Deduct	*-0.89*	
		For Galvanized, Add	*2.98*	
		For Aluminum, Add	*3.57*	
		For 304 Stainless Steel, Add	*14.28*	
		For 316 Stainless Steel, Add	*16.36*	
05 59 69 00-0019	SF	0.207" Thick Wire, 1-3/4" Spacing, 1.41 LB/SF Woven And Welded Wire Cloth Panels	12.26	4.04
		For Up To 2 SF Panel, Add	*3.53*	
		For >2 To 6 SF Panel, Add	*2.03*	
		For >15 To 40 SF, Deduct	*-0.34*	
		For >40 SF, Deduct	*-1.03*	
		For Galvanized, Add	*3.44*	
		For Aluminum, Add	*4.12*	
		For 304 Stainless Steel, Add	*16.49*	
		For 316 Stainless Steel, Add	*18.89*	
05 59 69 00-0020	SF	0.225" Thick Wire, 1-3/4" Spacing, 1.65 LB/SF Woven And Welded Wire Cloth Panels	14.03	4.49
		For Up To 2 SF Panel, Add	*4.00*	
		For >2 To 6 SF Panel, Add	*2.30*	
		For >15 To 40 SF, Deduct	*-0.40*	
		For >40 SF, Deduct	*-1.21*	
		For Galvanized, Add	*4.02*	
		For Aluminum, Add	*4.82*	
		For 304 Stainless Steel, Add	*19.30*	
		For 316 Stainless Steel, Add	*22.11*	

05 59 69 00-0021 1-1/2" Square Wire Spacing *(05 59 69 00-0002)*

05 59 69 00-0022	SF	0.12" Thick Wire, 1-1/2" Spacing, 0.57 LB/SF Woven And Welded Wire Cloth Panels	7.75	2.68
		For Up To 2 SF Panel, Add	*2.26*	
		For >2 To 6 SF Panel, Add	*1.31*	
		For >15 To 40 SF, Deduct	*-0.21*	
		For >40 SF, Deduct	*-0.63*	
		For Galvanized, Add	*2.10*	
		For Aluminum, Add	*2.51*	
		For 304 Stainless Steel, Add	*10.06*	
		For 316 Stainless Steel, Add	*11.52*	
05 59 69 00-0023	SF	0.135" Thick Wire, 1-1/2" Spacing, 0.72 LB/SF Woven And Welded Wire Cloth Panels	8.47	2.81
		For Up To 2 SF Panel, Add	*2.44*	
		For >2 To 6 SF Panel, Add	*1.41*	
		For >15 To 40 SF, Deduct	*-0.24*	
		For >40 SF, Deduct	*-0.71*	
		For Galvanized, Add	*2.37*	
		For Aluminum, Add	*2.84*	
		For 304 Stainless Steel, Add	*11.35*	
		For 316 Stainless Steel, Add	*13.01*	
05 59 69 00-0024	SF	0.148" Thick Wire, 1-1/2" Spacing, 0.85 LB/SF Woven And Welded Wire Cloth Panels	9.05	3.12
		For Up To 2 SF Panel, Add	*2.64*	
		For >2 To 6 SF Panel, Add	*1.53*	
		For >15 To 40 SF, Deduct	*-0.24*	
		For >40 SF, Deduct	*-0.73*	
		For Galvanized, Add	*2.45*	
		For Aluminum, Add	*2.93*	
		For 304 Stainless Steel, Add	*11.74*	
		For 316 Stainless Steel, Add	*13.45*	
05 59 69 00-0025	SF	0.162" Thick Wire, 1-1/2" Spacing, 1.02 LB/SF Woven And Welded Wire Cloth Panels	9.53	3.24
		For Up To 2 SF Panel, Add	*2.77*	
		For >2 To 6 SF Panel, Add	*1.60*	
		For >15 To 40 SF, Deduct	*-0.26*	
		For >40 SF, Deduct	*-0.78*	
		For Galvanized, Add	*2.60*	
		For Aluminum, Add	*3.12*	
		For 304 Stainless Steel, Add	*12.48*	
		For 316 Stainless Steel, Add	*14.30*	
05 59 69 00-0026	SF	0.177" Thick Wire, 1-1/2" Spacing, 1.2 LB/SF Woven And Welded Wire Cloth Panels	10.41	3.63
		For Up To 2 SF Panel, Add	*3.05*	
		For >2 To 6 SF Panel, Add	*1.77*	
		For >15 To 40 SF, Deduct	*-0.28*	
		For >40 SF, Deduct	*-0.84*	
		For Galvanized, Add	*2.79*	
		For Aluminum, Add	*3.34*	
		For 304 Stainless Steel, Add	*13.37*	
		For 316 Stainless Steel, Add	*15.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0027	SF	0.192" Thick Wire, 1-1/2" Spacing, 1.4 LB/SF Woven And Welded Wire Cloth Panels	11.86	4.02
		For Up To 2 SF Panel, Add	*3.44*	
		For >2 To 6 SF Panel, Add	*1.99*	
		For >15 To 40 SF, Deduct	*-0.33*	
		For >40 SF, Deduct	*-0.98*	
		For Galvanized, Add	*3.25*	
		For Aluminum, Add	*3.90*	
		For 304 Stainless Steel, Add	*15.60*	
		For 316 Stainless Steel, Add	*17.88*	
05 59 69 00-0028	SF	0.207" Thick Wire, 1-1/2" Spacing, 1.62 LB/SF Woven And Welded Wire Cloth Panels	13.41	4.42
		For Up To 2 SF Panel, Add	*3.86*	
		For >2 To 6 SF Panel, Add	*2.22*	
		For >15 To 40 SF, Deduct	*-0.38*	
		For >40 SF, Deduct	*-1.13*	
		For Galvanized, Add	*3.76*	
		For Aluminum, Add	*4.51*	
		For 304 Stainless Steel, Add	*18.05*	
		For 316 Stainless Steel, Add	*20.68*	
05 59 69 00-0029	SF	0.225" Thick Wire, 1-1/2" Spacing, 1.89 LB/SF Woven And Welded Wire Cloth Panels	15.29	4.90
		For Up To 2 SF Panel, Add	*4.36*	
		For >2 To 6 SF Panel, Add	*2.51*	
		For >15 To 40 SF, Deduct	*-0.44*	
		For >40 SF, Deduct	*-1.32*	
		For Galvanized, Add	*4.39*	
		For Aluminum, Add	*5.26*	
		For 304 Stainless Steel, Add	*21.05*	
		For 316 Stainless Steel, Add	*24.12*	

05 59 69 00-0030 1-1/4" Square Wire Spacing *(05 59 69 00-0002)*

05 59 69 00-0031	SF	0.105" Thick Wire, 1-1/4" Spacing, 0.52 LB/SF Woven And Welded Wire Cloth Panels	7.96	2.89
		For Up To 2 SF Panel, Add	*2.36*	
		For >2 To 6 SF Panel, Add	*1.38*	
		For >15 To 40 SF, Deduct	*-0.21*	
		For >40 SF, Deduct	*-0.62*	
		For Galvanized, Add	*2.05*	
		For Aluminum, Add	*2.46*	
		For 304 Stainless Steel, Add	*9.84*	
		For 316 Stainless Steel, Add	*11.28*	
05 59 69 00-0032	SF	0.12" Thick Wire, 1-1/4" Spacing, 0.68 LB/SF Woven And Welded Wire Cloth Panels	8.59	3.03
		For Up To 2 SF Panel, Add	*2.53*	
		For >2 To 6 SF Panel, Add	*1.47*	
		For >15 To 40 SF, Deduct	*-0.23*	
		For >40 SF, Deduct	*-0.68*	
		For Galvanized, Add	*2.27*	
		For Aluminum, Add	*2.72*	
		For 304 Stainless Steel, Add	*10.90*	
		For 316 Stainless Steel, Add	*12.49*	
05 59 69 00-0033	SF	0.135" Thick Wire, 1-1/4" Spacing, 0.85 LB/SF Woven And Welded Wire Cloth Panels	9.30	3.16
		For Up To 2 SF Panel, Add	*2.70*	
		For >2 To 6 SF Panel, Add	*1.56*	
		For >15 To 40 SF, Deduct	*-0.25*	
		For >40 SF, Deduct	*-0.76*	
		For Galvanized, Add	*2.54*	
		For Aluminum, Add	*3.05*	
		For 304 Stainless Steel, Add	*12.19*	
		For 316 Stainless Steel, Add	*13.97*	
05 59 69 00-0034	SF	0.148" Thick Wire, 1-1/4" Spacing, 1.01 LB/SF Woven And Welded Wire Cloth Panels	9.58	3.22
		For Up To 2 SF Panel, Add	*2.78*	
		For >2 To 6 SF Panel, Add	*1.60*	
		For >15 To 40 SF, Deduct	*-0.26*	
		For >40 SF, Deduct	*-0.79*	
		For Galvanized, Add	*2.64*	
		For Aluminum, Add	*3.17*	
		For 304 Stainless Steel, Add	*12.67*	
		For 316 Stainless Steel, Add	*14.52*	
05 59 69 00-0035	SF	0.162" Thick Wire, 1-1/4" Spacing, 1.2 LB/SF Woven And Welded Wire Cloth Panels	10.41	3.63
		For Up To 2 SF Panel, Add	*3.05*	
		For >2 To 6 SF Panel, Add	*1.77*	
		For >15 To 40 SF, Deduct	*-0.28*	
		For >40 SF, Deduct	*-0.83*	
		For Galvanized, Add	*2.78*	
		For Aluminum, Add	*3.34*	
		For 304 Stainless Steel, Add	*13.34*	
		For 316 Stainless Steel, Add	*15.29*	
05 59 69 00-0036	SF	0.177" Thick Wire, 1-1/4" Spacing, 1.42 LB/SF Woven And Welded Wire Cloth Panels	11.74	4.09
		For Up To 2 SF Panel, Add	*3.44*	
		For >2 To 6 SF Panel, Add	*1.99*	
		For >15 To 40 SF, Deduct	*-0.31*	
		For >40 SF, Deduct	*-0.94*	
		For Galvanized, Add	*3.14*	
		For Aluminum, Add	*3.77*	
		For 304 Stainless Steel, Add	*15.07*	
		For 316 Stainless Steel, Add	*17.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0037	SF	0.192" Thick Wire, 1-1/4" Spacing, 1.65 LB/SF Woven And Welded Wire Cloth Panels	13.30	4.52
		For Up To 2 SF Panel, Add	*3.86*	
		For >2 To 6 SF Panel, Add	*2.23*	
		For >15 To 40 SF, Deduct	*-0.36*	
		For >40 SF, Deduct	*-1.09*	
		For Galvanized, Add	*3.65*	
		For Aluminum, Add	*4.37*	
		For 304 Stainless Steel, Add	*17.50*	
		For 316 Stainless Steel, Add	*20.05*	
05 59 69 00-0038	SF	0.207" Thick Wire, 1-1/4" Spacing, 1.9 LB/SF Woven And Welded Wire Cloth Panels	14.97	4.93
		For Up To 2 SF Panel, Add	*4.31*	
		For >2 To 6 SF Panel, Add	*2.48*	
		For >15 To 40 SF, Deduct	*-0.42*	
		For >40 SF, Deduct	*-1.26*	
		For Galvanized, Add	*4.20*	
		For Aluminum, Add	*5.04*	
		For 304 Stainless Steel, Add	*20.16*	
		For 316 Stainless Steel, Add	*23.10*	
05 59 69 00-0039	SF	0.225" Thick Wire, 1-1/4" Spacing, 2.22 LB/SF Woven And Welded Wire Cloth Panels	17.11	5.48
		For Up To 2 SF Panel, Add	*4.88*	
		For >2 To 6 SF Panel, Add	*2.81*	
		For >15 To 40 SF, Deduct	*-0.49*	
		For >40 SF, Deduct	*-1.47*	
		For Galvanized, Add	*4.91*	
		For Aluminum, Add	*5.89*	
		For 304 Stainless Steel, Add	*23.54*	
		For 316 Stainless Steel, Add	*26.98*	
05 59 69 00-0040		**1" Square Wire Spacing** *(05 59 69 00-0002)*		
05 59 69 00-0041	SF	0.105" Thick Wire, 1" Spacing, 0.64 LB/SF Woven And Welded Wire Cloth Panels	9.11	3.39
		For Up To 2 SF Panel, Add	*2.73*	
		For >2 To 6 SF Panel, Add	*1.59*	
		For >15 To 40 SF, Deduct	*-0.23*	
		For >40 SF, Deduct	*-0.69*	
		For Galvanized, Add	*2.30*	
		For Aluminum, Add	*2.75*	
		For 304 Stainless Steel, Add	*11.02*	
		For 316 Stainless Steel, Add	*12.62*	
05 59 69 00-0042	SF	0.12" Thick Wire, 1" Spacing, 0.83 LB/SF Woven And Welded Wire Cloth Panels	9.74	3.52
		For Up To 2 SF Panel, Add	*2.89*	
		For >2 To 6 SF Panel, Add	*1.68*	
		For >15 To 40 SF, Deduct	*-0.25*	
		For >40 SF, Deduct	*-0.76*	
		For Galvanized, Add	*2.52*	
		For Aluminum, Add	*3.02*	
		For 304 Stainless Steel, Add	*12.10*	
		For 316 Stainless Steel, Add	*13.86*	
05 59 69 00-0043	SF	0.135" Thick Wire, 1" Spacing, 1.04 LB/SF Woven And Welded Wire Cloth Panels	10.14	3.68
		For Up To 2 SF Panel, Add	*3.01*	
		For >2 To 6 SF Panel, Add	*1.75*	
		For >15 To 40 SF, Deduct	*-0.26*	
		For >40 SF, Deduct	*-0.78*	
		For Galvanized, Add	*2.62*	
		For Aluminum, Add	*3.14*	
		For 304 Stainless Steel, Add	*12.55*	
		For 316 Stainless Steel, Add	*14.38*	
05 59 69 00-0044	SF	0.148" Thick Wire, 1" Spacing, 1.23 LB/SF Woven And Welded Wire Cloth Panels	10.83	3.73
		For Up To 2 SF Panel, Add	*3.16*	
		For >2 To 6 SF Panel, Add	*1.83*	
		For >15 To 40 SF, Deduct	*-0.29*	
		For >40 SF, Deduct	*-0.88*	
		For Galvanized, Add	*2.93*	
		For Aluminum, Add	*3.51*	
		For 304 Stainless Steel, Add	*14.04*	
		For 316 Stainless Steel, Add	*16.09*	
05 59 69 00-0045	SF	0.162" Thick Wire, 1" Spacing, 1.46 LB/SF Woven And Welded Wire Cloth Panels	12.06	4.21
		For Up To 2 SF Panel, Add	*3.54*	
		For >2 To 6 SF Panel, Add	*2.05*	
		For >15 To 40 SF, Deduct	*-0.32*	
		For >40 SF, Deduct	*-0.97*	
		For Galvanized, Add	*3.22*	
		For Aluminum, Add	*3.86*	
		For 304 Stainless Steel, Add	*15.46*	
		For 316 Stainless Steel, Add	*17.71*	
05 59 69 00-0046	SF	0.177" Thick Wire, 1" Spacing, 1.72 LB/SF Woven And Welded Wire Cloth Panels	13.53	4.71
		For Up To 2 SF Panel, Add	*3.96*	
		For >2 To 6 SF Panel, Add	*2.30*	
		For >15 To 40 SF, Deduct	*-0.36*	
		For >40 SF, Deduct	*-1.09*	
		For Galvanized, Add	*3.62*	
		For Aluminum, Add	*4.34*	
		For 304 Stainless Steel, Add	*17.38*	
		For 316 Stainless Steel, Add	*19.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0047	SF	0.192" Thick Wire, 1" Spacing, 2.01 LB/SF Woven And Welded Wire Cloth Panels	15.44	5.23
		For Up To 2 SF Panel, Add	*4.48*	
		For >2 To 6 SF Panel, Add	*2.59*	
		For >15 To 40 SF, Deduct	*-0.42*	
		For >40 SF, Deduct	*-1.27*	
		For Galvanized, Add	*4.23*	
		For Aluminum, Add	*5.08*	
		For 304 Stainless Steel, Add	*20.30*	
		For 316 Stainless Steel, Add	*23.27*	
05 59 69 00-0048	SF	0.207" Thick Wire, 1" Spacing, 2.31 LB/SF Woven And Welded Wire Cloth Panels	17.34	5.72
		For Up To 2 SF Panel, Add	*4.99*	
		For >2 To 6 SF Panel, Add	*2.88*	
		For >15 To 40 SF, Deduct	*-0.49*	
		For >40 SF, Deduct	*-1.46*	
		For Galvanized, Add	*4.86*	
		For Aluminum, Add	*5.83*	
		For 304 Stainless Steel, Add	*23.33*	
		For 316 Stainless Steel, Add	*26.73*	
05 59 69 00-0049	SF	0.225" Thick Wire, 1" Spacing, 2.69 LB/SF Woven And Welded Wire Cloth Panels	19.75	6.32
		For Up To 2 SF Panel, Add	*5.64*	
		For >2 To 6 SF Panel, Add	*3.24*	
		For >15 To 40 SF, Deduct	*-0.57*	
		For >40 SF, Deduct	*-1.70*	
		For Galvanized, Add	*5.66*	
		For Aluminum, Add	*6.79*	
		For 304 Stainless Steel, Add	*27.17*	
		For 316 Stainless Steel, Add	*31.13*	

05 59 69 00-0050 3/4" Square Wire Spacing *(05 59 69 00-0002)*

05 59 69 00-0051	SF	0.105" Thick Wire, 3/4" Spacing, 0.83 LB/SF Woven And Welded Wire Cloth Panels	9.21	3.38
		For Up To 2 SF Panel, Add	*2.74*	
		For >2 To 6 SF Panel, Add	*1.60*	
		For >15 To 40 SF, Deduct	*-0.24*	
		For >40 SF, Deduct	*-0.71*	
		For Galvanized, Add	*2.35*	
		For Aluminum, Add	*2.82*	
		For 304 Stainless Steel, Add	*11.28*	
		For 316 Stainless Steel, Add	*12.93*	
05 59 69 00-0052	SF	0.12" Thick Wire, 3/4" Spacing, 1.07 LB/SF Woven And Welded Wire Cloth Panels	10.28	3.80
		For Up To 2 SF Panel, Add	*3.07*	
		For >2 To 6 SF Panel, Add	*1.79*	
		For >15 To 40 SF, Deduct	*-0.26*	
		For >40 SF, Deduct	*-0.78*	
		For Galvanized, Add	*2.62*	
		For Aluminum, Add	*3.14*	
		For 304 Stainless Steel, Add	*12.55*	
		For 316 Stainless Steel, Add	*14.38*	
05 59 69 00-0053	SF	0.135" Thick Wire, 3/4" Spacing, 1.33 LB/SF Woven And Welded Wire Cloth Panels	11.40	4.29
		For Up To 2 SF Panel, Add	*3.42*	
		For >2 To 6 SF Panel, Add	*2.00*	
		For >15 To 40 SF, Deduct	*-0.28*	
		For >40 SF, Deduct	*-0.85*	
		For Galvanized, Add	*2.85*	
		For Aluminum, Add	*3.41*	
		For 304 Stainless Steel, Add	*13.66*	
		For 316 Stainless Steel, Add	*15.65*	
05 59 69 00-0054	SF	0.148" Thick Wire, 3/4" Spacing, 1.58 LB/SF Woven And Welded Wire Cloth Panels	12.31	4.57
		For Up To 2 SF Panel, Add	*3.68*	
		For >2 To 6 SF Panel, Add	*2.14*	
		For >15 To 40 SF, Deduct	*-0.31*	
		For >40 SF, Deduct	*-0.93*	
		For Galvanized, Add	*3.11*	
		For Aluminum, Add	*3.73*	
		For 304 Stainless Steel, Add	*14.93*	
		For 316 Stainless Steel, Add	*17.11*	
05 59 69 00-0055	SF	0.162" Thick Wire, 3/4" Spacing, 1.87 LB/SF Woven And Welded Wire Cloth Panels	14.21	5.13
		For Up To 2 SF Panel, Add	*4.21*	
		For >2 To 6 SF Panel, Add	*2.45*	
		For >15 To 40 SF, Deduct	*-0.37*	
		For >40 SF, Deduct	*-1.10*	
		For Galvanized, Add	*3.68*	
		For Aluminum, Add	*4.42*	
		For 304 Stainless Steel, Add	*17.66*	
		For 316 Stainless Steel, Add	*20.24*	
05 59 69 00-0056	SF	0.177" Thick Wire, 3/4" Spacing, 2.2 LB/SF Woven And Welded Wire Cloth Panels	16.32	5.74
		For Up To 2 SF Panel, Add	*4.80*	
		For >2 To 6 SF Panel, Add	*2.78*	
		For >15 To 40 SF, Deduct	*-0.43*	
		For >40 SF, Deduct	*-1.30*	
		For Galvanized, Add	*4.33*	
		For Aluminum, Add	*5.20*	
		For 304 Stainless Steel, Add	*20.78*	
		For 316 Stainless Steel, Add	*23.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0057	SF	0.192" Thick Wire, 3/4" Spacing, 2.56 LB/SF Woven And Welded Wire Cloth Panels	18.55	6.34
		For Up To 2 SF Panel, Add	*5.40*	
		For >2 To 6 SF Panel, Add	*3.13*	
		For >15 To 40 SF, Deduct	*-0.50*	
		For >40 SF, Deduct	*-1.51*	
		For Galvanized, Add	*5.04*	
		For Aluminum, Add	*6.05*	
		For 304 Stainless Steel, Add	*24.19*	
		For 316 Stainless Steel, Add	*27.72*	
05 59 69 00-0058	SF	0.207" Thick Wire, 3/4" Spacing, 2.93 LB/SF Woven And Welded Wire Cloth Panels	20.74	6.90
		For Up To 2 SF Panel, Add	*5.99*	
		For >2 To 6 SF Panel, Add	*3.45*	
		For >15 To 40 SF, Deduct	*-0.58*	
		For >40 SF, Deduct	*-1.73*	
		For Galvanized, Add	*5.77*	
		For Aluminum, Add	*6.92*	
		For 304 Stainless Steel, Add	*27.70*	
		For 316 Stainless Steel, Add	*31.74*	
05 59 69 00-0059	SF	0.225" Thick Wire, 3/4" Spacing, 3.41 LB/SF Woven And Welded Wire Cloth Panels	23.60	7.63
		For Up To 2 SF Panel, Add	*6.75*	
		For >2 To 6 SF Panel, Add	*3.89*	
		For >15 To 40 SF, Deduct	*-0.67*	
		For >40 SF, Deduct	*-2.01*	
		For Galvanized, Add	*6.72*	
		For Aluminum, Add	*8.06*	
		For 304 Stainless Steel, Add	*32.23*	
		For 316 Stainless Steel, Add	*36.93*	

05 59 69 00-0060 1/2" Square Wire Spacing *(05 59 69 00-0002)*

05 59 69 00-0061	SF	0.105" Thick Wire, 1/2" Spacing, 1.18 LB/SF Woven And Welded Wire Cloth Panels	9.63	3.62
		For Up To 2 SF Panel, Add	*2.89*	
		For >2 To 6 SF Panel, Add	*1.69*	
		For >15 To 40 SF, Deduct	*-0.24*	
		For >40 SF, Deduct	*-0.72*	
		For Galvanized, Add	*2.41*	
		For Aluminum, Add	*2.89*	
		For 304 Stainless Steel, Add	*11.54*	
		For 316 Stainless Steel, Add	*13.23*	
05 59 69 00-0062	SF	0.12" Thick Wire, 1/2" Spacing, 1.51 LB/SF Woven And Welded Wire Cloth Panels	11.30	4.40
		For Up To 2 SF Panel, Add	*3.43*	
		For >2 To 6 SF Panel, Add	*2.01*	
		For >15 To 40 SF, Deduct	*-0.27*	
		For >40 SF, Deduct	*-0.81*	
		For Galvanized, Add	*2.72*	
		For Aluminum, Add	*3.26*	
		For 304 Stainless Steel, Add	*13.03*	
		For 316 Stainless Steel, Add	*14.93*	
05 59 69 00-0063	SF	0.135" Thick Wire, 1/2" Spacing, 1.88 LB/SF Woven And Welded Wire Cloth Panels	13.64	5.20
		For Up To 2 SF Panel, Add	*4.12*	
		For >2 To 6 SF Panel, Add	*2.41*	
		For >15 To 40 SF, Deduct	*-0.34*	
		For >40 SF, Deduct	*-1.01*	
		For Galvanized, Add	*3.35*	
		For Aluminum, Add	*4.02*	
		For 304 Stainless Steel, Add	*16.08*	
		For 316 Stainless Steel, Add	*18.43*	
05 59 69 00-0064	SF	0.148" Thick Wire, 1/2" Spacing, 2.22 LB/SF Woven And Welded Wire Cloth Panels	15.69	5.84
		For Up To 2 SF Panel, Add	*4.69*	
		For >2 To 6 SF Panel, Add	*2.74*	
		For >15 To 40 SF, Deduct	*-0.40*	
		For >40 SF, Deduct	*-1.19*	
		For Galvanized, Add	*3.96*	
		For Aluminum, Add	*4.75*	
		For 304 Stainless Steel, Add	*18.98*	
		For 316 Stainless Steel, Add	*21.75*	
05 59 69 00-0065	SF	0.162" Thick Wire, 1/2" Spacing, 2.61 LB/SF Woven And Welded Wire Cloth Panels	17.99	6.51
		For Up To 2 SF Panel, Add	*5.34*	
		For >2 To 6 SF Panel, Add	*3.10*	
		For >15 To 40 SF, Deduct	*-0.47*	
		For >40 SF, Deduct	*-1.40*	
		For Galvanized, Add	*4.65*	
		For Aluminum, Add	*5.58*	
		For 304 Stainless Steel, Add	*22.32*	
		For 316 Stainless Steel, Add	*25.58*	
05 59 69 00-0066	SF	0.177" Thick Wire, 1/2" Spacing, 3.06 LB/SF Woven And Welded Wire Cloth Panels	20.59	7.26
		For Up To 2 SF Panel, Add	*6.05*	
		For >2 To 6 SF Panel, Add	*3.51*	
		For >15 To 40 SF, Deduct	*-0.55*	
		For >40 SF, Deduct	*-1.64*	
		For Galvanized, Add	*5.46*	
		For Aluminum, Add	*6.55*	
		For 304 Stainless Steel, Add	*26.18*	
		For 316 Stainless Steel, Add	*30.00*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0067		SF	0.192" Thick Wire, 1/2" Spacing, 3.54 LB/SF Woven And Welded Wire Cloth Panels	23.26	7.98
			For Up To 2 SF Panel, Add	*6.78*	
			For >2 To 6 SF Panel, Add	*3.92*	
			For >15 To 40 SF, Deduct	*-0.63*	
			For >40 SF, Deduct	*-1.89*	
			For Galvanized, Add	*6.31*	
			For Aluminum, Add	*7.57*	
			For 304 Stainless Steel, Add	*30.29*	
			For 316 Stainless Steel, Add	*34.71*	
05 59 69 00-0068		SF	0.207" Thick Wire, 1/2" Spacing, 4.04 LB/SF Woven And Welded Wire Cloth Panels	25.94	8.66
			For Up To 2 SF Panel, Add	*7.50*	
			For >2 To 6 SF Panel, Add	*4.33*	
			For >15 To 40 SF, Deduct	*-0.72*	
			For >40 SF, Deduct	*-2.16*	
			For Galvanized, Add	*7.20*	
			For Aluminum, Add	*8.64*	
			For 304 Stainless Steel, Add	*34.56*	
			For 316 Stainless Steel, Add	*39.60*	
05 59 69 00-0069		SF	0.225" Thick Wire, 1/2" Spacing, 4.68 LB/SF Woven And Welded Wire Cloth Panels	27.09	9.52
			For Up To 2 SF Panel, Add	*7.96*	
			For >2 To 6 SF Panel, Add	*4.61*	
			For >15 To 40 SF, Deduct	*-0.72*	
			For >40 SF, Deduct	*-2.16*	
			For Galvanized, Add	*7.20*	
			For Aluminum, Add	*8.64*	
			For 304 Stainless Steel, Add	*34.56*	
			For 316 Stainless Steel, Add	*39.60*	

05 59 69 00-0070 Expanded Metal Panels *(05 59 69)*

Note: Excludes frame and fastening to frame. See CSI section 05 12 23 00-0113 for spot welding.

05 59 69 00-0071 Plain Flattened Expanded Metal Diamond Shape Panels *(05 59 69 00-0070)*

Note: Excludes frame and fastening to frame. See CSI section 05 12 23 00-0113 for spot welding.

05 59 69 00-0072		SF	1/4" #20-F Plain Expanded Metal Panel, 0.82 LB/SF	8.31	3.12
			For Galvanized, Add	*2.08*	
			For Aluminum, Add	*2.49*	
			For 304 Stainless Steel, Add	*9.96*	
			For 316 Stainless Steel, Add	*11.41*	
05 59 69 00-0073		SF	1/4" #18-F Plain Expanded Metal Panel, 1.08 LB/SF	10.42	3.41
			For Galvanized, Add	*2.93*	
			For Aluminum, Add	*3.52*	
			For 304 Stainless Steel, Add	*14.06*	
			For 316 Stainless Steel, Add	*16.12*	
05 59 69 00-0074		SF	1/2" #20-F Plain Expanded Metal Panel, 0.40 LB/SF	5.99	2.41
			For Galvanized, Add	*1.39*	
			For Aluminum, Add	*1.67*	
			For 304 Stainless Steel, Add	*6.67*	
			For 316 Stainless Steel, Add	*7.65*	
05 59 69 00-0075		SF	1/2" #18-F Plain Expanded Metal Panel, 0.66 LB/SF	6.55	2.63
			For Galvanized, Add	*1.53*	
			For Aluminum, Add	*1.83*	
			For 304 Stainless Steel, Add	*7.32*	
			For 316 Stainless Steel, Add	*8.39*	
05 59 69 00-0076		SF	1/2" #16-F Plain Expanded Metal Panel, 0.82 LB/SF	7.42	3.12
			For Galvanized, Add	*1.63*	
			For Aluminum, Add	*1.96*	
			For 304 Stainless Steel, Add	*7.82*	
			For 316 Stainless Steel, Add	*8.97*	
05 59 69 00-0077		SF	1/2" #13-F Plain Expanded Metal Panel, 1.4 LB/SF	9.50	4.02
			For Galvanized, Add	*2.07*	
			For Aluminum, Add	*2.48*	
			For 304 Stainless Steel, Add	*9.94*	
			For 316 Stainless Steel, Add	*11.39*	
05 59 69 00-0078		SF	3/4" #16-F Plain Expanded Metal Panel, 0.51 LB/SF	5.24	2.37
			For Galvanized, Add	*1.04*	
			For Aluminum, Add	*1.25*	
			For 304 Stainless Steel, Add	*4.99*	
			For 316 Stainless Steel, Add	*5.72*	
05 59 69 00-0079		SF	3/4" #14-F Plain Expanded Metal Panel, 0.63 LB/SF	5.87	2.54
			For Galvanized, Add	*1.24*	
			For Aluminum, Add	*1.49*	
			For 304 Stainless Steel, Add	*5.95*	
			For 316 Stainless Steel, Add	*6.82*	
05 59 69 00-0080		SF	3/4" #13-F Plain Expanded Metal Panel, 0.75 LB/SF	6.69	2.85
			For Galvanized, Add	*1.45*	
			For Aluminum, Add	*1.73*	
			For 304 Stainless Steel, Add	*6.94*	
			For 316 Stainless Steel, Add	*7.95*	
05 59 69 00-0081		SF	3/4" #9-F Plain Expanded Metal Panel, 1.71 LB/SF	10.57	4.71
			For Galvanized, Add	*2.14*	
			For Aluminum, Add	*2.57*	
			For 304 Stainless Steel, Add	*10.27*	
			For 316 Stainless Steel, Add	*11.77*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0082	SF	1" #16-F Plain Expanded Metal Panel, 0.41 LB/SF	5.87	2.89
		For Galvanized, Add	*1.01*	
		For Aluminum, Add	*1.21*	
		For 304 Stainless Steel, Add	*4.82*	
		For 316 Stainless Steel, Add	*5.53*	
05 59 69 00-0083	SF	1-1/2" #16-F Plain Expanded Metal Panel, 0.38 LB/SF	5.05	2.28
		For Galvanized, Add	*1.01*	
		For Aluminum, Add	*1.21*	
		For 304 Stainless Steel, Add	*4.85*	
		For 316 Stainless Steel, Add	*5.56*	
05 59 69 00-0084	SF	1-1/2" #13-F Plain Expanded Metal Panel, 0.57 LB/SF	5.84	2.68
		For Galvanized, Add	*1.14*	
		For Aluminum, Add	*1.37*	
		For 304 Stainless Steel, Add	*5.47*	
		For 316 Stainless Steel, Add	*6.27*	
05 59 69 00-0085	SF	1-1/2" #9-F Plain Expanded Metal Panel, 1.14 LB/SF	9.02	3.62
		For Galvanized, Add	*2.10*	
		For Aluminum, Add	*2.52*	
		For 304 Stainless Steel, Add	*10.08*	
		For 316 Stainless Steel, Add	*11.55*	

05 70 Decorative Metal *(05)*

Note: Includes anchors and related accessories.

05 71 Decorative Metal Stairs *(05 70)*

05 71 13 Fabricated Metal Spiral Stairs *(05 71)*

Note: Includes factory prime.

05 71 13 00-0001 Spiral Stairs, Stock Units *(05 71 13)*

Note: Includes factory prime.

05 71 13 00-0002 Steel Tread *(05 71 13 00-0001)*

05 71 13 00-0003	VLF	3'-6" Diameter, Spiral Steel Stair With Rails	257.51	41.28
		For Galvanized, Add	*122.47*	
05 71 13 00-0004	VLF	4' Diameter, Spiral Steel Stair With Rails	292.23	45.41
		For Galvanized, Add	*140.98*	
05 71 13 00-0005	VLF	4'-6" Diameter, Spiral Steel Stair With Rails	322.85	49.54
		For Galvanized, Add	*156.64*	
05 71 13 00-0006	VLF	5' Diameter, Spiral Steel Stair With Rails	346.37	53.67
		For Galvanized, Add	*167.32*	

05 73 Decorative Metal Railings *(05 70)*

Note: Factory primed. Includes brackets.

05 73 00 00-0001 Railings; Vertical Square Bars At 6" *(05 73)*

Note: Centers with shaped top rails (round, square, rectangular, diamond, triangular or other shape).

05 73 00 00-0002	LF	Steel Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	62.86	9.09
		For Rake Or Angle Railings, Add	*8.32*	
		For Curved Railings, Add	*17.83*	
		For 4" On Center Standards, Add	*1.97*	
		For 4-1/2" On Center Standards, Add	*1.58*	
		For 5" On Center Standards, Add	*1.05*	
		For 5-1/2" On Center Standards, Add	*0.53*	
		For Each Field Bending Of Rails, Add	*11.65*	
		For Galvanized, Add	*3.68*	
05 73 00 00-0003	LF	Aluminum Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	79.41	12.38
		For Rake Or Angle Railings, Add	*10.98*	
		For Curved Railings, Add	*21.22*	
		For 4" On Center Standards, Add	*2.18*	
		For 4-1/2" On Center Standards, Add	*1.74*	
		For 5" On Center Standards, Add	*1.16*	
		For 5-1/2" On Center Standards, Add	*0.58*	
		For Each Field Bending Of Rails, Add	*15.08*	
05 73 00 00-0004	LF	Bronze Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	190.05	20.65
		For Rake Or Angle Railings, Add	*20.83*	
		For Curved Railings, Add	*66.07*	
		For 4" On Center Standards, Add	*8.80*	
		For 4-1/2" On Center Standards, Add	*7.04*	
		For 5" On Center Standards, Add	*4.70*	
		For 5-1/2" On Center Standards, Add	*2.35*	
		For Each Field Bending Of Rails, Add	*20.67*	
05 73 00 00-0005	LF	Stainless Steel Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	204.90	16.51
		For Rake Or Angle Railings, Add	*21.17*	
		For Curved Railings, Add	*74.84*	
		For 4" On Center Standards, Add	*10.34*	
		For 4-1/2" On Center Standards, Add	*8.27*	
		For 5" On Center Standards, Add	*5.51*	
		For 5-1/2" On Center Standards, Add	*2.76*	
		For Each Field Bending Of Rails, Add	*19.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 73 00 00-0006	LF	Black Wrought Iron Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	141.81	25.18
		For Rake Or Angle Railings, Add	*15.10*	
		For Curved Railings, Add	*50.53*	
		For 4" On Center Standards, Add	*6.86*	
		For 4-1/2" On Center Standards, Add	*5.49*	
		For 5" On Center Standards, Add	*3.66*	
		For 5-1/2" On Center Standards, Add	*1.83*	
		For Each Field Bending Of Rails, Add	*15.09*	

05 73 00 00-0007 Laminated Metal Or Wood Handrails With Metal Supports *(05 73)*

05 73 00 00-0008	LF	2-1/2" Laminated Metal Or Wood Handrail Round/Oval Shape With Metal Supports	169.56	4.13
		For Rake Or Angle Railings, Add	*12.86*	
		For Curved Railings, Add	*75.00*	
		For 4" On Center Standards, Add	*11.62*	
		For 4-1/2" On Center Standards, Add	*9.29*	
		For 5" On Center Standards, Add	*6.20*	
		For 5-1/2" On Center Standards, Add	*3.10*	
		For Each Field Bending Of Rails, Add	*6.17*	

05 73 00 00-0009 Plain Handrails *(05 73)*

05 73 00 00-0010	LF	2" Brass Handrail	34.06	9.15
05 73 00 00-0011	EA	90 Degree Angle For 2" Brass Handrail	81.75	32.58
05 73 00 00-0012	EA	End Cap For 2" Brass Handrail	38.69	16.34
05 73 00 00-0013	EA	Brass Bracket And Joint For 2" Brass Handrail	62.70	32.58
05 73 00 00-0014	LF	2" Stainless Steel Handrail	61.52	16.65

05 73 00 00-0015 Restoration Of Existing Metal Handrail And Railing *(05 73)*

Note: Task include rust removal by grinding, cleaning, surface prep and one coat of protective primer. See CSI section 09 91 13 00-0371 for painting.

05 73 00 00-0016	LF	Refinish Metal Handrail	8.04	
05 73 00 00-0017	LF	Refinish Wrought Iron Balustrade	8.00	

05 73 00 00-0018 Remove And Reinstall Ornamental Railing *(05 73)*

05 73 00 00-0019	LF	Remove And Reinstall Ornamental Handrail And Pickets	75.96	

05 75 Decorative Formed Metal *(05 70)*

05 75 00 00-0001 Metal Sheets, Installed On Walls *(05 75)*

Note: Includes field fabrication (bending) where noted. See CSI section 05 54 00 00-0000 for metal floor plates.

05 75 00 00-0002 Copper Sheets, Installed On Walls *(05 75 00 00-0001)*

Note: Includes field fabrication.

05 75 00 00-0003	SF	0.0162" (12 Ounce) Thick Copper Sheet, Installed On Walls	16.77	1.64
		For >16 To 200 SF, Deduct	*-1.00*	
		For >200 To 500 SF, Deduct	*-2.01*	
		For >500 SF, Deduct	*-2.84*	
05 75 00 00-0004	SF	0.0215" (16 Ounce) Thick Copper Sheet, Installed On Walls	20.52	1.83
		For >16 To 200 SF, Deduct	*-1.21*	
		For >200 To 500 SF, Deduct	*-2.42*	
		For >500 SF, Deduct	*-3.44*	
05 75 00 00-0005	SF	0.0242" (18 Ounce) Thick Copper Sheet, Installed On Walls	22.42	1.98
		For >16 To 200 SF, Deduct	*-1.32*	
		For >200 To 500 SF, Deduct	*-2.64*	
		For >500 SF, Deduct	*-3.76*	
05 75 00 00-0006	SF	0.027" (20 Ounce) Thick Copper Sheet, Installed On Walls	24.09	2.07
		For >16 To 200 SF, Deduct	*-1.41*	
		For >200 To 500 SF, Deduct	*-2.82*	
		For >500 SF, Deduct	*-4.03*	
05 75 00 00-0007	SF	0.0323" (24 Ounce) Thick Copper Sheet, Installed On Walls	27.13	2.17
		For >16 To 200 SF, Deduct	*-1.57*	
		For >200 To 500 SF, Deduct	*-3.15*	
		For >500 SF, Deduct	*-4.50*	
05 75 00 00-0008	SF	0.0431" (32 Ounce) Thick Copper Sheet, Installed On Walls	33.49	2.27
		For >16 To 200 SF, Deduct	*-1.90*	
		For >200 To 500 SF, Deduct	*-3.80*	
		For >500 SF, Deduct	*-5.48*	
05 75 00 00-0009	SF	0.052" (40 Ounce) Thick Copper Sheet, Installed On Walls	38.70	2.37
		For >16 To 200 SF, Deduct	*-2.17*	
		For >200 To 500 SF, Deduct	*-4.34*	
		For >500 SF, Deduct	*-6.28*	
05 75 00 00-0010	SF	0.0646" (48 Ounce) Thick Copper Sheet, Installed On Walls	46.29	2.57
		For >16 To 200 SF, Deduct	*-2.57*	
		For >200 To 500 SF, Deduct	*-5.14*	
		For >500 SF, Deduct	*-7.46*	
05 75 00 00-0011	SF	0.08" Thick Copper Sheet, Installed On Walls	56.16	2.76
		For >16 To 200 SF, Deduct	*-3.08*	
		For >200 To 500 SF, Deduct	*-6.17*	
		For >500 SF, Deduct	*-8.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 75 00 00-0012	SF	0.125" Thick Copper Sheet, Installed On Walls	80.45	2.96
		For >16 To 200 SF, Deduct	*-4.32*	
		For >200 To 500 SF, Deduct	*-8.64*	
		For >500 SF, Deduct	*-12.66*	
05 75 00 00-0013		**Stainless Steel Sheets, Installed On Walls** *(05 75 00 00-0001)*		
		Note: Includes field fabrication.		
05 75 00 00-0014	SF	0.026" Thick (24 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	16.64	2.77
		For 316 Stainless Steel, Add	*1.67*	
		For >16 To 200 SF, Deduct	*-1.11*	
		For >200 To 500 SF, Deduct	*-2.22*	
		For >500 SF, Deduct	*-3.05*	
05 75 00 00-0015	SF	0.0312" Thick (22 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	18.49	2.98
		For 316 Stainless Steel, Add	*1.97*	
		For >16 To 200 SF, Deduct	*-1.22*	
		For >200 To 500 SF, Deduct	*-2.45*	
		For >500 SF, Deduct	*-3.37*	
05 75 00 00-0016	SF	0.0375" Thick (20 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	20.13	3.19
		For 316 Stainless Steel, Add	*2.21*	
		For >16 To 200 SF, Deduct	*-1.33*	
		For >200 To 500 SF, Deduct	*-2.65*	
		For >500 SF, Deduct	*-3.66*	
05 75 00 00-0017	SF	0.050" Thick (18 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	23.83	3.62
		For 316 Stainless Steel, Add	*2.81*	
		For >16 To 200 SF, Deduct	*-1.55*	
		For >200 To 500 SF, Deduct	*-3.11*	
		For >500 SF, Deduct	*-4.30*	
05 75 00 00-0018	SF	0.0625" Thick (16 gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	27.46	4.05
		For 316 Stainless Steel, Add	*3.38*	
		For >16 To 200 SF, Deduct	*-1.78*	
		For >200 To 500 SF, Deduct	*-3.56*	
		For >500 SF, Deduct	*-4.93*	
05 75 00 00-0019	SF	0.078" Thick (14 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	32.50	4.68
		For 316 Stainless Steel, Add	*4.13*	
		For >16 To 200 SF, Deduct	*-2.09*	
		For >200 To 500 SF, Deduct	*-4.19*	
		For >500 SF, Deduct	*-5.81*	
05 75 00 00-0020	SF	0.125" Thick (11 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	42.06	5.11
		For 316 Stainless Steel, Add	*6.49*	
		For >16 To 200 SF, Deduct	*-2.61*	
		For >200 To 500 SF, Deduct	*-5.23*	
		For >500 SF, Deduct	*-7.33*	
05 75 00 00-0021	SF	3/16" Thick (7 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	53.65	5.54
		For 316 Stainless Steel, Add	*9.45*	
		For >16 To 200 SF, Deduct	*-3.24*	
		For >200 To 500 SF, Deduct	*-6.47*	
		For >500 SF, Deduct	*-9.15*	
05 75 00 00-0022	SF	1/4" Thick (3 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	68.30	5.96
		For 316 Stainless Steel, Add	*13.33*	
		For >16 To 200 SF, Deduct	*-4.01*	
		For >200 To 500 SF, Deduct	*-8.02*	
		For >500 SF, Deduct	*-11.44*	
05 75 00 00-0023	SF	3/8" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls	105.87	6.39
		For 316 Stainless Steel, Add	*24.09*	
		For >16 To 200 SF, Deduct	*-5.93*	
		For >200 To 500 SF, Deduct	*-11.87*	
		For >500 SF, Deduct	*-17.16*	
05 75 00 00-0024	SF	1/2" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls	133.77	7.45
		For 316 Stainless Steel, Add	*31.19*	
		For >16 To 200 SF, Deduct	*-7.43*	
		For >200 To 500 SF, Deduct	*-14.87*	
		For >500 SF, Deduct	*-21.56*	
05 75 00 00-0025		**Aluminum Sheets, Installed On Walls** *(05 75 00 00-0001)*		
		Note: Includes field fabrication.		
05 75 00 00-0026	SF	0.016" Thick (26 Gauge) Aluminum Sheet, Installed On Walls	9.05	1.64
		For >16 To 200 SF, Deduct	*-0.62*	
		For >200 To 500 SF, Deduct	*-1.23*	
		For >500 SF, Deduct	*-1.69*	
05 75 00 00-0027	SF	0.020" Thick (24 Gauge) Aluminum Sheet, Installed On Walls	10.22	1.83
		For >16 To 200 SF, Deduct	*-0.69*	
		For >200 To 500 SF, Deduct	*-1.39*	
		For >500 SF, Deduct	*-1.90*	
05 75 00 00-0028	SF	0.025" Thick (22 Gauge) Aluminum Sheet, Installed On Walls	11.31	1.98
		For >16 To 200 SF, Deduct	*-0.76*	
		For >200 To 500 SF, Deduct	*-1.53*	
		For >500 SF, Deduct	*-2.09*	
05 75 00 00-0029	SF	0.032" Thick (20 Gauge) Aluminum Sheet, Installed On Walls	12.38	2.07
		For >16 To 200 SF, Deduct	*-0.83*	
		For >200 To 500 SF, Deduct	*-1.65*	
		For >500 SF, Deduct	*-2.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 75 00 00-0030	SF	0.040" Thick (18 Gauge) Aluminum Sheet, Installed On Walls	13.44	2.17
		For >16 To 200 SF, Deduct	*-0.89*	
		For >200 To 500 SF, Deduct	*-1.78*	
		For >500 SF, Deduct	*-2.45*	
05 75 00 00-0031	SF	0.050" Thick (16 Gauge) Aluminum Sheet, Installed On Walls	14.60	2.27
		For >16 To 200 SF, Deduct	*-0.96*	
		For >200 To 500 SF, Deduct	*-1.91*	
		For >500 SF, Deduct	*-2.64*	
05 75 00 00-0032	SF	0.064" Thick (14 Gauge) Aluminum Sheet, Installed On Walls	15.98	2.37
		For >16 To 200 SF, Deduct	*-1.04*	
		For >200 To 500 SF, Deduct	*-2.07*	
		For >500 SF, Deduct	*-2.87*	
05 75 00 00-0033	SF	0.090" Thick (11 Gauge) Aluminum Sheet, Installed On Walls	18.93	2.76
		For >16 To 200 SF, Deduct	*-1.22*	
		For >200 To 500 SF, Deduct	*-2.45*	
		For >500 SF, Deduct	*-3.39*	

05 75 00 00-0034 Galvanized Steel Sheets, Installed On Walls *(05 75 00 00-0001)*

Note: Includes field fabrication.

05 75 00 00-0035	SF	0.0217" (26 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	10.04	1.88
		For >16 To 200 SF, Deduct	*-0.69*	
		For >200 To 500 SF, Deduct	*-1.38*	
		For >500 SF, Deduct	*-1.88*	
05 75 00 00-0036	SF	0.0276" (24 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	10.70	1.98
		For >16 To 200 SF, Deduct	*-0.73*	
		For >200 To 500 SF, Deduct	*-1.47*	
		For >500 SF, Deduct	*-2.00*	
05 75 00 00-0037	SF	0.0336" (22 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	11.15	2.07
		For >16 To 200 SF, Deduct	*-0.76*	
		For >200 To 500 SF, Deduct	*-1.53*	
		For >500 SF, Deduct	*-2.09*	
05 75 00 00-0038	SF	0.0396" (20 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	11.81	2.17
		For >16 To 200 SF, Deduct	*-0.81*	
		For >200 To 500 SF, Deduct	*-1.62*	
		For >500 SF, Deduct	*-2.21*	
05 75 00 00-0039	SF	0.0516" (18 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	12.67	2.27
		For >16 To 200 SF, Deduct	*-0.86*	
		For >200 To 500 SF, Deduct	*-1.72*	
		For >500 SF, Deduct	*-2.36*	
05 75 00 00-0040	SF	0.0635" (16 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	13.58	2.37
		For >16 To 200 SF, Deduct	*-0.92*	
		For >200 To 500 SF, Deduct	*-1.83*	
		For >500 SF, Deduct	*-2.51*	
05 75 00 00-0041	SF	0.0785" (14 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	15.41	2.57
		For >16 To 200 SF, Deduct	*-1.03*	
		For >200 To 500 SF, Deduct	*-2.05*	
		For >500 SF, Deduct	*-2.82*	
05 75 00 00-0042	SF	0.1084" (12 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	17.52	2.76
		For >16 To 200 SF, Deduct	*-1.15*	
		For >200 To 500 SF, Deduct	*-2.31*	
		For >500 SF, Deduct	*-3.18*	
05 75 00 00-0043	SF	0.1382" (10 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	19.28	2.96
		For >16 To 200 SF, Deduct	*-1.26*	
		For >200 To 500 SF, Deduct	*-2.52*	
		For >500 SF, Deduct	*-3.48*	

05 75 00 00-0044 Galvanized Zinc-Plated Steel Sheets, Installed On Walls *(05 75 00 00-0001)*

Note: Includes field fabrication.

05 75 00 00-0045	SF	0.013" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls	7.68	1.45
		For >16 To 200 SF, Deduct	*-0.53*	
		For >200 To 500 SF, Deduct	*-1.06*	
		For >500 SF, Deduct	*-1.44*	
05 75 00 00-0046	SF	0.016" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls	8.83	1.64
		For >16 To 200 SF, Deduct	*-0.61*	
		For >200 To 500 SF, Deduct	*-1.21*	
		For >500 SF, Deduct	*-1.65*	
05 75 00 00-0047	SF	0.019" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls	9.96	1.83
		For >16 To 200 SF, Deduct	*-0.68*	
		For >200 To 500 SF, Deduct	*-1.36*	
		For >500 SF, Deduct	*-1.86*	
05 75 00 00-0048	SF	0.024" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls	10.94	1.98
		For >16 To 200 SF, Deduct	*-0.74*	
		For >200 To 500 SF, Deduct	*-1.49*	
		For >500 SF, Deduct	*-2.04*	

END OF SECTION 05

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

06 Wood, Plastics, and Composites

06 01 Maintenance of Wood, Plastics, and Composites *(06)*

06 01 20 Maintenance of Finish Carpentry *(06 01)*

06 01 20 91 Finish Carpentry Restoration *(06 01 20)*

06 01 20 91-0001 Wood Trim Repair *(06 01 20 91)*

06 01 20 91-0002	SF	Restoration Of Existing Decorative Woodwork Note: Includes stripping to bare wood, filling or patching, stain or paint to match existing.	5.82

06 05 Common Work Results For Wood, Plastics, And Composites *(06)*

06 05 23 Wood, Plastic, And Composite Fastenings *(06 05)*

Note: For additional fasteners above normal conditions, for replacing existing fasteners, for relocating existing materials or fixtures, or for different fasteners required due to load limits on standard fasteners.

06 05 23 00-0001 Threaded Anchor Bolts *(06 05 23)*

Note: Threaded on two ends with two nuts and flat washers.

06 05 23 00-0002	EA	1/2" Diameter x 4" Long, Threaded Anchor Bolt	8.93
		For >10 To 50, Deduct	*-0.28*
		For >50 To 100, Deduct	*-0.64*
		For >100 To 250, Deduct	*-1.29*
		For >250 To 500, Deduct	*-2.21*
		For >500, Deduct	*-3.13*
06 05 23 00-0003	EA	1/2" Diameter x 7-1/2" Long, Threaded Anchor Bolt	11.82
		For >10 To 50, Deduct	*-0.30*
		For >50 To 100, Deduct	*-0.75*
		For >100 To 250, Deduct	*-1.49*
		For >250 To 500, Deduct	*-2.54*
		For >500, Deduct	*-3.59*
06 05 23 00-0004	EA	3/4" Diameter x 7-1/2" Long, Threaded Anchor Bolt	12.96
		For >10 To 50, Deduct	*-0.30*
		For >50 To 100, Deduct	*-0.78*
		For >100 To 250, Deduct	*-1.55*
		For >250 To 500, Deduct	*-2.63*
		For >500, Deduct	*-3.70*
06 05 23 00-0005	EA	3/4" Diameter x 12" Long, Threaded Anchor Bolt	25.53
		For >10 To 50, Deduct	*-0.41*
		For >50 To 100, Deduct	*-1.26*
		For >100 To 250, Deduct	*-2.51*
		For >250 To 500, Deduct	*-4.18*
		For >500, Deduct	*-5.85*

06 05 23 00-0006 Framing Anchors *(06 05 23)*

06 05 23 00-0007	EA	10 Gauge Framing Anchor	5.07	2.35
		For >10 To 50, Deduct	*-0.22*	
		For >50 To 100, Deduct	*-0.46*	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-2.30*	
06 05 23 00-0008	EA	8-5/8" High x 2-1/2" Wide x 2-1/4" Deep, 12 Gauge, Hold Downs, (Simpson Strong Tie® HD3B)	32.95	
		For >10 To 50, Deduct	*-1.21*	
		For >50 To 100, Deduct	*-2.64*	
		For >100 To 250, Deduct	*-5.29*	
		For >250 To 500, Deduct	*-9.15*	
		For >500, Deduct	*-13.01*	
06 05 23 00-0009	EA	9-3/8" High x 2-1/2" Wide x 2-1/2" Deep, 10 Gauge, Hold Downs, (Simpson Strong Tie® HD5B)	45.81	
		For >10 To 50, Deduct	*-1.21*	
		For >50 To 100, Deduct	*-2.97*	
		For >100 To 250, Deduct	*-5.93*	
		For >250 To 500, Deduct	*-10.11*	
		For >500, Deduct	*-14.29*	
06 05 23 00-0010	EA	12-3/8" High x 2-1/2" Wide x 2-1/2" Deep, 10 Gauge, Hold Downs, (Simpson Strong Tie® HD7B)	51.93	
		For >10 To 50, Deduct	*-1.33*	
		For >50 To 100, Deduct	*-3.29*	
		For >100 To 250, Deduct	*-6.59*	
		For >250 To 500, Deduct	*-11.22*	
		For >500, Deduct	*-15.84*	
06 05 23 00-0011	EA	14" High x 2-1/2" Widex 2-1/2" Deep, 7 Gauge, Hold Downs, (Simpson Strong Tie® HD9B)	63.41	
		For >10 To 50, Deduct	*-1.49*	
		For >50 To 100, Deduct	*-3.82*	
		For >100 To 250, Deduct	*-7.63*	
		For >250 To 500, Deduct	*-12.94*	
		For >500, Deduct	*-18.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0012	EA	20-5/16" High x 3-1/2" Wide x 4-1/2" Deep, 3 Gauge, Hold Downs, (Simpson Strong Tie® HD12)	125.12	
		For >10 To 50, Deduct	*-1.88*	
		For >50 To 100, Deduct	*-5.95*	
		For >100 To 250, Deduct	*-11.89*	
		For >250 To 500, Deduct	*-19.72*	
		For >500, Deduct	*-27.54*	
06 05 23 00-0013	EA	24-1/2" High x 3-1/2" Wide x 4-1/2" Deep, 3 Gauge, Hold Downs, (Simpson Strong Tie® HD19)	143.87	
		For >10 To 50, Deduct	*-1.96*	
		For >50 To 100, Deduct	*-6.53*	
		For >100 To 250, Deduct	*-13.07*	
		For >250 To 500, Deduct	*-21.56*	
		For >500, Deduct	*-30.05*	

06 05 23 00-0014 Joist And Beam Hangers *(06 05 23)*

06 05 23 00-0015	EA	18 Gauge Joist Hanger, For 2" x 4" Joist, Also Acceptable For Beam Hangers	5.09	2.19
		For >10 To 50, Deduct	*-0.22*	
		For >50 To 100, Deduct	*-0.46*	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-2.30*	
06 05 23 00-0016	EA	18 Gauge Joist Hanger, For 2" x 6"-2" x 10" Joist, Also Acceptable For Beam Hangers	5.87	2.19
		For >10 To 50, Deduct	*-0.24*	
		For >50 To 100, Deduct	*-0.50*	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.49*	
06 05 23 00-0017	EA	16 Gauge Joist Hanger, For 3" x 6"-3" x 9" Joist, Also Acceptable For Beam Hangers	7.61	2.19
		For >10 To 50, Deduct	*-0.24*	
		For >50 To 100, Deduct	*-0.56*	
		For >100 To 250, Deduct	*-1.11*	
		For >250 To 500, Deduct	*-1.92*	
		For >500, Deduct	*-2.72*	
06 05 23 00-0018	EA	16 Gauge Joist Hanger, For 3" x 10"-3" x 14" Joist, Also Acceptable For Beam Hangers	7.78	2.19
		For >10 To 50, Deduct	*-0.24*	
		For >50 To 100, Deduct	*-0.56*	
		For >100 To 250, Deduct	*-1.12*	
		For >250 To 500, Deduct	*-1.93*	
		For >500, Deduct	*-2.73*	
06 05 23 00-0019	EA	16 Gauge Joist Hanger, For 4" x 6"-4" x 8" Joist, Also Acceptable For Beam Hangers	7.83	2.27
		For >10 To 50, Deduct	*-0.25*	
		For >50 To 100, Deduct	*-0.57*	
		For >100 To 250, Deduct	*-1.15*	
		For >250 To 500, Deduct	*-1.98*	
		For >500, Deduct	*-2.80*	
06 05 23 00-0020	EA	16 Gauge Joist Hanger, For 4" x 10"-4" x 14" Joist, Also Acceptable For Beam Hangers	8.30	2.27
		For >10 To 50, Deduct	*-0.25*	
		For >50 To 100, Deduct	*-0.59*	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-2.01*	
		For >500, Deduct	*-2.85*	

06 05 23 00-0021 Post Framing *(06 05 23)*

06 05 23 00-0022	EA	16 Gauge Post Framing With 4" x 4" Base	10.45	2.74
		For >10 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-0.71*	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-3.45*	
06 05 23 00-0023	EA	16 Gauge Post Framing With 4" x 4" Cap	8.70	2.74
		For >10 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-0.67*	
		For >100 To 250, Deduct	*-1.34*	
		For >250 To 500, Deduct	*-2.31*	
		For >500, Deduct	*-3.28*	

06 05 23 00-0024 Rafter Anchors *(06 05 23)*

06 05 23 00-0025	EA	1-1/2" Wide x 5-1/4" Long, 18 Gauge Rafter Anchor	5.72	2.43
		For >10 To 50, Deduct	*-0.27*	
		For >50 To 100, Deduct	*-0.55*	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.91*	
		For >500, Deduct	*-2.73*	
06 05 23 00-0026	EA	1-1/2" Wide x 10-3/4" Long, 18 Gauge Rafter Anchor	5.91	2.43
		For >10 To 50, Deduct	*-0.27*	
		For >50 To 100, Deduct	*-0.55*	
		For >100 To 250, Deduct	*-1.11*	
		For >250 To 500, Deduct	*-1.93*	
		For >500, Deduct	*-2.75*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0027	EA	Galvanized Rigid Rafter Connector, For 2" x 6"	7.11	2.43
		For >10 To 50, Deduct	*-0.27*	
		For >50 To 100, Deduct	*-0.58*	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-2.02*	
		For >500, Deduct	*-2.87*	

06 05 23 00-0028 Bolts And Fasteners *(06 05 23)*

06 05 23 00-0029 Carriage Bolts *(06 05 23 00-0028)*

Note: Includes drilling of holes in any material. Includes nut and washer.

06 05 23 00-0030 Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolts *(06 05 23 00-0029)*

06 05 23 00-0031	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	10.39
		For >10 To 50, Deduct	*-0.51*
		For >50 To 100, Deduct	*-1.02*
		For >100 To 250, Deduct	*-2.05*
		For >250 To 500, Deduct	*-3.58*
		For >500, Deduct	*-5.11*
06 05 23 00-0032	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	10.48
		For >10 To 50, Deduct	*-0.51*
		For >50 To 100, Deduct	*-1.02*
		For >100 To 250, Deduct	*-2.05*
		For >250 To 500, Deduct	*-3.58*
		For >500, Deduct	*-5.12*
06 05 23 00-0033	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	10.54
		For >10 To 50, Deduct	*-0.51*
		For >50 To 100, Deduct	*-1.03*
		For >100 To 250, Deduct	*-2.05*
		For >250 To 500, Deduct	*-3.59*
		For >500, Deduct	*-5.12*
06 05 23 00-0034	EA	1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	12.30
		For >10 To 50, Deduct	*-0.59*
		For >50 To 100, Deduct	*-1.19*
		For >100 To 250, Deduct	*-2.38*
		For >250 To 500, Deduct	*-4.15*
		For >500, Deduct	*-5.93*
06 05 23 00-0035	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	11.43
		For >10 To 50, Deduct	*-0.55*
		For >50 To 100, Deduct	*-1.11*
		For >100 To 250, Deduct	*-2.22*
		For >250 To 500, Deduct	*-3.87*
		For >500, Deduct	*-5.53*
06 05 23 00-0036	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	12.38
		For >10 To 50, Deduct	*-0.59*
		For >50 To 100, Deduct	*-1.19*
		For >100 To 250, Deduct	*-2.38*
		For >250 To 500, Deduct	*-4.16*
		For >500, Deduct	*-5.94*
06 05 23 00-0037	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	12.53
		For >10 To 50, Deduct	*-0.59*
		For >50 To 100, Deduct	*-1.19*
		For >100 To 250, Deduct	*-2.39*
		For >250 To 500, Deduct	*-4.17*
		For >500, Deduct	*-5.95*
06 05 23 00-0038	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	14.98
		For >10 To 50, Deduct	*-0.70*
		For >50 To 100, Deduct	*-1.43*
		For >100 To 250, Deduct	*-2.86*
		For >250 To 500, Deduct	*-5.00*
		For >500, Deduct	*-7.13*
06 05 23 00-0039	EA	3/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	16.23
		For >10 To 50, Deduct	*-0.74*
		For >50 To 100, Deduct	*-1.52*
		For >100 To 250, Deduct	*-3.04*
		For >250 To 500, Deduct	*-5.31*
		For >500, Deduct	*-7.58*
06 05 23 00-0040	EA	3/8" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	18.25
		For >10 To 50, Deduct	*-0.82*
		For >50 To 100, Deduct	*-1.69*
		For >100 To 250, Deduct	*-3.38*
		For >250 To 500, Deduct	*-5.89*
		For >500, Deduct	*-8.40*
06 05 23 00-0041	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	12.71
		For >10 To 50, Deduct	*-0.59*
		For >50 To 100, Deduct	*-1.20*
		For >100 To 250, Deduct	*-2.40*
		For >250 To 500, Deduct	*-4.18*
		For >500, Deduct	*-5.97*
06 05 23 00-0042	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	13.88
		For >10 To 50, Deduct	*-0.63*
		For >50 To 100, Deduct	*-1.29*
		For >100 To 250, Deduct	*-2.57*
		For >250 To 500, Deduct	*-4.49*
		For >500, Deduct	*-6.40*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0043	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	14.79	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.37*	
		For >100 To 250, Deduct	*-2.74*	
		For >250 To 500, Deduct	*-4.77*	
		For >500, Deduct	*-6.80*	
06 05 23 00-0044	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	16.58	
		For >10 To 50, Deduct	*-0.74*	
		For >50 To 100, Deduct	*-1.53*	
		For >100 To 250, Deduct	*-3.06*	
		For >250 To 500, Deduct	*-5.34*	
		For >500, Deduct	*-7.61*	
06 05 23 00-0045	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	19.46	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.78*	
		For >100 To 250, Deduct	*-3.56*	
		For >250 To 500, Deduct	*-6.20*	
		For >500, Deduct	*-8.84*	
06 05 23 00-0046	EA	1/2" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	21.74	
		For >10 To 50, Deduct	*-0.94*	
		For >50 To 100, Deduct	*-1.95*	
		For >100 To 250, Deduct	*-3.91*	
		For >250 To 500, Deduct	*-6.80*	
		For >500, Deduct	*-9.69*	
06 05 23 00-0047	EA	3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	17.13	
		For >10 To 50, Deduct	*-0.70*	
		For >50 To 100, Deduct	*-1.49*	
		For >100 To 250, Deduct	*-2.97*	
		For >250 To 500, Deduct	*-5.16*	
		For >500, Deduct	*-7.35*	
06 05 23 00-0048	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	18.54	
		For >10 To 50, Deduct	*-0.74*	
		For >50 To 100, Deduct	*-1.58*	
		For >100 To 250, Deduct	*-3.16*	
		For >250 To 500, Deduct	*-5.48*	
		For >500, Deduct	*-7.81*	
06 05 23 00-0049	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	22.15	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.85*	
		For >100 To 250, Deduct	*-3.69*	
		For >250 To 500, Deduct	*-6.40*	
		For >500, Deduct	*-9.11*	
06 05 23 00-0050	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	24.74	
		For >10 To 50, Deduct	*-0.90*	
		For >50 To 100, Deduct	*-1.97*	
		For >100 To 250, Deduct	*-3.94*	
		For >250 To 500, Deduct	*-6.81*	
		For >500, Deduct	*-9.68*	
06 05 23 00-0051	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	26.86	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.14*	
		For >100 To 250, Deduct	*-4.28*	
		For >250 To 500, Deduct	*-7.40*	
		For >500, Deduct	*-10.51*	
06 05 23 00-0052	EA	3/4" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	27.44	
		For >10 To 50, Deduct	*-1.02*	
		For >50 To 100, Deduct	*-2.21*	
		For >100 To 250, Deduct	*-4.43*	
		For >250 To 500, Deduct	*-7.66*	
		For >500, Deduct	*-10.89*	

06 05 23 00-0053 Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolts *(06 05 23 00-0029)*

06 05 23 00-0054	EA	1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	10.56	
		For >10 To 50, Deduct	*-0.51*	
		For >50 To 100, Deduct	*-1.03*	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-3.59*	
		For >500, Deduct	*-5.12*	
06 05 23 00-0055	EA	1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	10.74	
		For >10 To 50, Deduct	*-0.51*	
		For >50 To 100, Deduct	*-1.03*	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-3.60*	
		For >500, Deduct	*-5.14*	
06 05 23 00-0056	EA	1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	10.94	
		For >10 To 50, Deduct	*-0.51*	
		For >50 To 100, Deduct	*-1.04*	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-3.62*	
		For >500, Deduct	*-5.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0057	EA	1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	12.96	
		For >10 To 50, Deduct	*-0.59*	
		For >50 To 100, Deduct	*-1.21*	
		For >100 To 250, Deduct	*-2.41*	
		For >250 To 500, Deduct	*-4.20*	
		For >500, Deduct	*-6.00*	
06 05 23 00-0058	EA	3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	11.67	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.11*	
		For >100 To 250, Deduct	*-2.23*	
		For >250 To 500, Deduct	*-3.89*	
		For >500, Deduct	*-5.55*	
06 05 23 00-0059	EA	3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	12.75	
		For >10 To 50, Deduct	*-0.59*	
		For >50 To 100, Deduct	*-1.20*	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-4.19*	
		For >500, Deduct	*-5.98*	
06 05 23 00-0060	EA	3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	12.97	
		For >10 To 50, Deduct	*-0.59*	
		For >50 To 100, Deduct	*-1.21*	
		For >100 To 250, Deduct	*-2.41*	
		For >250 To 500, Deduct	*-4.20*	
		For >500, Deduct	*-6.00*	
06 05 23 00-0061	EA	3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	15.65	
		For >10 To 50, Deduct	*-0.70*	
		For >50 To 100, Deduct	*-1.45*	
		For >100 To 250, Deduct	*-2.90*	
		For >250 To 500, Deduct	*-5.05*	
		For >500, Deduct	*-7.20*	
06 05 23 00-0062	EA	3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	16.98	
		For >10 To 50, Deduct	*-0.74*	
		For >50 To 100, Deduct	*-1.54*	
		For >100 To 250, Deduct	*-3.08*	
		For >250 To 500, Deduct	*-5.37*	
		For >500, Deduct	*-7.65*	
06 05 23 00-0063	EA	3/8" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	18.95	
		For >10 To 50, Deduct	*-0.82*	
		For >50 To 100, Deduct	*-1.71*	
		For >100 To 250, Deduct	*-3.41*	
		For >250 To 500, Deduct	*-5.94*	
		For >500, Deduct	*-8.47*	
06 05 23 00-0064	EA	1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	13.26	
		For >10 To 50, Deduct	*-0.59*	
		For >50 To 100, Deduct	*-1.21*	
		For >100 To 250, Deduct	*-2.43*	
		For >250 To 500, Deduct	*-4.23*	
		For >500, Deduct	*-6.03*	
06 05 23 00-0065	EA	1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	14.32	
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.30*	
		For >100 To 250, Deduct	*-2.60*	
		For >250 To 500, Deduct	*-4.52*	
		For >500, Deduct	*-6.44*	
06 05 23 00-0066	EA	1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	15.31	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.38*	
		For >100 To 250, Deduct	*-2.76*	
		For >250 To 500, Deduct	*-4.81*	
		For >500, Deduct	*-6.86*	
06 05 23 00-0067	EA	1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	17.33	
		For >10 To 50, Deduct	*-0.74*	
		For >50 To 100, Deduct	*-1.55*	
		For >100 To 250, Deduct	*-3.10*	
		For >250 To 500, Deduct	*-5.39*	
		For >500, Deduct	*-7.69*	
06 05 23 00-0068	EA	1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	20.20	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.80*	
		For >100 To 250, Deduct	*-3.59*	
		For >250 To 500, Deduct	*-6.25*	
		For >500, Deduct	*-8.91*	
06 05 23 00-0069	EA	1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	22.31	
		For >10 To 50, Deduct	*-0.94*	
		For >50 To 100, Deduct	*-1.97*	
		For >100 To 250, Deduct	*-3.93*	
		For >250 To 500, Deduct	*-6.84*	
		For >500, Deduct	*-9.75*	
06 05 23 00-0070	EA	3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	18.81	
		For >10 To 50, Deduct	*-0.70*	
		For >50 To 100, Deduct	*-1.53*	
		For >100 To 250, Deduct	*-3.05*	
		For >250 To 500, Deduct	*-5.29*	
		For >500, Deduct	*-7.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0071	EA	3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	19.71	
		For >10 To 50, Deduct	*-0.74*	
		For >50 To 100, Deduct	*-1.61*	
		For >100 To 250, Deduct	*-3.22*	
		For >250 To 500, Deduct	*-5.57*	
		For >500, Deduct	*-7.92*	
06 05 23 00-0072	EA	3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	22.98	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.87*	
		For >100 To 250, Deduct	*-3.73*	
		For >250 To 500, Deduct	*-6.46*	
		For >500, Deduct	*-9.19*	
06 05 23 00-0073	EA	3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	24.68	
		For >10 To 50, Deduct	*-0.90*	
		For >50 To 100, Deduct	*-1.97*	
		For >100 To 250, Deduct	*-3.94*	
		For >250 To 500, Deduct	*-6.80*	
		For >500, Deduct	*-9.67*	
06 05 23 00-0074	EA	3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	27.95	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.17*	
		For >100 To 250, Deduct	*-4.33*	
		For >250 To 500, Deduct	*-7.48*	
		For >500, Deduct	*-10.62*	
06 05 23 00-0075	EA	3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	29.70	
		For >10 To 50, Deduct	*-1.02*	
		For >50 To 100, Deduct	*-2.27*	
		For >100 To 250, Deduct	*-4.54*	
		For >250 To 500, Deduct	*-7.83*	
		For >500, Deduct	*-11.11*	

06 05 23 00-0076 304/18-8 Stainless Steel, Carriage Bolts *(06 05 23 00-0029)*

06 05 23 00-0077	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	10.91	
		For >10 To 50, Deduct	*-0.51*	
		For >50 To 100, Deduct	*-1.04*	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-3.62*	
		For >500, Deduct	*-5.16*	
06 05 23 00-0078	EA	1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	11.72	
		For >10 To 50, Deduct	*-0.51*	
		For >50 To 100, Deduct	*-1.06*	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-3.68*	
		For >500, Deduct	*-5.24*	
06 05 23 00-0079	EA	1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	12.26	
		For >10 To 50, Deduct	*-0.51*	
		For >50 To 100, Deduct	*-1.07*	
		For >100 To 250, Deduct	*-2.14*	
		For >250 To 500, Deduct	*-3.72*	
		For >500, Deduct	*-5.29*	
06 05 23 00-0080	EA	1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	19.56	
		For >10 To 50, Deduct	*-0.59*	
		For >50 To 100, Deduct	*-1.37*	
		For >100 To 250, Deduct	*-2.74*	
		For >250 To 500, Deduct	*-4.70*	
		For >500, Deduct	*-6.66*	
06 05 23 00-0081	EA	3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	12.46	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.13*	
		For >100 To 250, Deduct	*-2.27*	
		For >250 To 500, Deduct	*-3.95*	
		For >500, Deduct	*-5.63*	
06 05 23 00-0082	EA	3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	14.42	
		For >10 To 50, Deduct	*-0.59*	
		For >50 To 100, Deduct	*-1.24*	
		For >100 To 250, Deduct	*-2.48*	
		For >250 To 500, Deduct	*-4.31*	
		For >500, Deduct	*-6.14*	
06 05 23 00-0083	EA	3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	14.68	
		For >10 To 50, Deduct	*-0.59*	
		For >50 To 100, Deduct	*-1.25*	
		For >100 To 250, Deduct	*-2.50*	
		For >250 To 500, Deduct	*-4.33*	
		For >500, Deduct	*-6.17*	
06 05 23 00-0084	EA	3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	25.49	
		For >10 To 50, Deduct	*-0.70*	
		For >50 To 100, Deduct	*-1.69*	
		For >100 To 250, Deduct	*-3.39*	
		For >250 To 500, Deduct	*-5.79*	
		For >500, Deduct	*-8.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0085	EA	3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	30.51	
		For >10 To 50, Deduct	*-0.74*	
		For >50 To 100, Deduct	*-1.88*	
		For >100 To 250, Deduct	*-3.76*	
		For >250 To 500, Deduct	*-6.38*	
		For >500, Deduct	*-9.00*	
06 05 23 00-0086	EA	3/8" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	34.13	
		For >10 To 50, Deduct	*-0.82*	
		For >50 To 100, Deduct	*-2.09*	
		For >100 To 250, Deduct	*-4.17*	
		For >250 To 500, Deduct	*-7.08*	
		For >500, Deduct	*-9.99*	
06 05 23 00-0087	EA	1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	15.37	
		For >10 To 50, Deduct	*-0.59*	
		For >50 To 100, Deduct	*-1.27*	
		For >100 To 250, Deduct	*-2.53*	
		For >250 To 500, Deduct	*-4.38*	
		For >500, Deduct	*-6.24*	
06 05 23 00-0088	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	17.28	
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.37*	
		For >100 To 250, Deduct	*-2.74*	
		For >250 To 500, Deduct	*-4.74*	
		For >500, Deduct	*-6.74*	
06 05 23 00-0089	EA	1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	20.53	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.51*	
		For >100 To 250, Deduct	*-3.02*	
		For >250 To 500, Deduct	*-5.20*	
		For >500, Deduct	*-7.38*	
06 05 23 00-0090	EA	1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	31.26	
		For >10 To 50, Deduct	*-0.74*	
		For >50 To 100, Deduct	*-1.90*	
		For >100 To 250, Deduct	*-3.80*	
		For >250 To 500, Deduct	*-6.44*	
		For >500, Deduct	*-9.08*	
06 05 23 00-0091	EA	1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	35.40	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-2.18*	
		For >100 To 250, Deduct	*-4.35*	
		For >250 To 500, Deduct	*-7.39*	
		For >500, Deduct	*-10.43*	
06 05 23 00-0092	EA	1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	53.75	
		For >10 To 50, Deduct	*-0.94*	
		For >50 To 100, Deduct	*-2.75*	
		For >100 To 250, Deduct	*-5.51*	
		For >250 To 500, Deduct	*-9.20*	
		For >500, Deduct	*-12.89*	
06 05 23 00-0093	EA	3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	41.81	
		For >10 To 50, Deduct	*-0.74*	
		For >50 To 100, Deduct	*-2.16*	
		For >100 To 250, Deduct	*-4.32*	
		For >250 To 500, Deduct	*-7.23*	
		For >500, Deduct	*-10.13*	
06 05 23 00-0094	EA	3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	58.36	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-2.75*	
		For >100 To 250, Deduct	*-5.50*	
		For >250 To 500, Deduct	*-9.12*	
		For >500, Deduct	*-12.73*	
06 05 23 00-0095	EA	3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	64.43	
		For >10 To 50, Deduct	*-0.90*	
		For >50 To 100, Deduct	*-2.96*	
		For >100 To 250, Deduct	*-5.92*	
		For >250 To 500, Deduct	*-9.79*	
		For >500, Deduct	*-13.65*	
06 05 23 00-0096	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	93.55	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-3.81*	
		For >100 To 250, Deduct	*-7.61*	
		For >250 To 500, Deduct	*-12.40*	
		For >500, Deduct	*-17.18*	
06 05 23 00-0097	EA	3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	98.36	
		For >10 To 50, Deduct	*-1.02*	
		For >50 To 100, Deduct	*-3.99*	
		For >100 To 250, Deduct	*-7.97*	
		For >250 To 500, Deduct	*-12.98*	
		For >500, Deduct	*-17.98*	

06 05 23 00-0098 316 Stainless Steel, Carriage Bolts *(06 05 23 00-0029)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0099	EA	1/4" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt	14.67	
		For >10 To 50, Deduct	*-0.51*	
		For >50 To 100, Deduct	*-1.13*	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-3.90*	
		For >500, Deduct	*-5.54*	
06 05 23 00-0100	EA	1/4" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt	16.09	
		For >10 To 50, Deduct	*-0.51*	
		For >50 To 100, Deduct	*-1.17*	
		For >100 To 250, Deduct	*-2.33*	
		For >250 To 500, Deduct	*-4.00*	
		For >500, Deduct	*-5.68*	
06 05 23 00-0101	EA	3/8" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt	17.37	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.26*	
		For >100 To 250, Deduct	*-2.51*	
		For >250 To 500, Deduct	*-4.32*	
		For >500, Deduct	*-6.12*	
06 05 23 00-0102	EA	3/8" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt	20.14	
		For >10 To 50, Deduct	*-0.59*	
		For >50 To 100, Deduct	*-1.38*	
		For >100 To 250, Deduct	*-2.77*	
		For >250 To 500, Deduct	*-4.74*	
		For >500, Deduct	*-6.71*	
06 05 23 00-0103	EA	1/2" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt	26.48	
		For >10 To 50, Deduct	*-0.59*	
		For >50 To 100, Deduct	*-1.54*	
		For >100 To 250, Deduct	*-3.09*	
		For >250 To 500, Deduct	*-5.22*	
		For >500, Deduct	*-7.35*	
06 05 23 00-0104	EA	1/2" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt	28.80	
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.66*	
		For >100 To 250, Deduct	*-3.32*	
		For >250 To 500, Deduct	*-5.61*	
		For >500, Deduct	*-7.89*	
06 05 23 00-0105	EA	1/2" Diameter x 6" Length, 316 Stainless Steel, Carriage Bolt	31.00	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.77*	
		For >100 To 250, Deduct	*-3.55*	
		For >250 To 500, Deduct	*-5.99*	
		For >500, Deduct	*-8.42*	

06 05 23 00-0106 Hex Lag Bolts *(06 05 23 00-0028)*

Note: Includes drilling of holes in any material.

06 05 23 00-0107 Zinc Plated Steel, Hex Lag Bolts *(06 05 23 00-0106)*

06 05 23 00-0108	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt	9.92	
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-0.98*	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-3.44*	
		For >500, Deduct	*-4.91*	
06 05 23 00-0109	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	10.01	
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-0.98*	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-3.44*	
		For >500, Deduct	*-4.92*	
06 05 23 00-0110	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	10.17	
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-0.99*	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-3.46*	
		For >500, Deduct	*-4.93*	
06 05 23 00-0111	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt	10.92	
		For >10 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.07*	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-3.75*	
		For >500, Deduct	*-5.36*	
06 05 23 00-0112	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	11.84	
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.15*	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-4.03*	
		For >500, Deduct	*-5.76*	
06 05 23 00-0113	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	12.03	
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-4.05*	
		For >500, Deduct	*-5.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0114	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt	14.70	
		For >10 To 50, Deduct	*-0.69*	
		For >50 To 100, Deduct	*-1.40*	
		For >100 To 250, Deduct	*-2.79*	
		For >250 To 500, Deduct	*-4.88*	
		For >500, Deduct	*-6.96*	
06 05 23 00-0115	EA	3/8" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt	15.56	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.47*	
		For >100 To 250, Deduct	*-2.95*	
		For >250 To 500, Deduct	*-5.15*	
		For >500, Deduct	*-7.34*	
06 05 23 00-0116	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt	12.04	
		For >10 To 50, Deduct	*-0.58*	
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 250, Deduct	*-2.33*	
		For >250 To 500, Deduct	*-4.07*	
		For >500, Deduct	*-5.81*	
06 05 23 00-0117	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	13.08	
		For >10 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-1.25*	
		For >100 To 250, Deduct	*-2.50*	
		For >250 To 500, Deduct	*-4.36*	
		For >500, Deduct	*-6.22*	
06 05 23 00-0118	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	14.20	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.33*	
		For >100 To 250, Deduct	*-2.67*	
		For >250 To 500, Deduct	*-4.65*	
		For >500, Deduct	*-6.64*	
06 05 23 00-0119	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt	16.12	
		For >10 To 50, Deduct	*-0.73*	
		For >50 To 100, Deduct	*-1.50*	
		For >100 To 250, Deduct	*-2.99*	
		For >250 To 500, Deduct	*-5.22*	
		For >500, Deduct	*-7.44*	
06 05 23 00-0120	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt	18.97	
		For >10 To 50, Deduct	*-0.84*	
		For >50 To 100, Deduct	*-1.74*	
		For >100 To 250, Deduct	*-3.48*	
		For >250 To 500, Deduct	*-6.07*	
		For >500, Deduct	*-8.65*	
06 05 23 00-0121	EA	1/2" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt	20.70	
		For >10 To 50, Deduct	*-0.92*	
		For >50 To 100, Deduct	*-1.90*	
		For >100 To 250, Deduct	*-3.80*	
		For >250 To 500, Deduct	*-6.62*	
		For >500, Deduct	*-9.44*	
06 05 23 00-0122	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	17.25	
		For >10 To 50, Deduct	*-0.73*	
		For >50 To 100, Deduct	*-1.52*	
		For >100 To 250, Deduct	*-3.05*	
		For >250 To 500, Deduct	*-5.30*	
		For >500, Deduct	*-7.56*	
06 05 23 00-0123	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	20.53	
		For >10 To 50, Deduct	*-0.84*	
		For >50 To 100, Deduct	*-1.78*	
		For >100 To 250, Deduct	*-3.56*	
		For >250 To 500, Deduct	*-6.18*	
		For >500, Deduct	*-8.81*	
06 05 23 00-0124	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt	22.57	
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-1.89*	
		For >100 To 250, Deduct	*-3.78*	
		For >250 To 500, Deduct	*-6.55*	
		For >500, Deduct	*-9.32*	
06 05 23 00-0125	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt	25.28	
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-2.07*	
		For >100 To 250, Deduct	*-4.14*	
		For >250 To 500, Deduct	*-7.17*	
		For >500, Deduct	*-10.20*	
06 05 23 00-0126	EA	3/4" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt	28.11	
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-2.20*	
		For >100 To 250, Deduct	*-4.40*	
		For >250 To 500, Deduct	*-7.60*	
		For >500, Deduct	*-10.80*	

06 05 23 00-0127 Hot Dipped Galvanized Steel, Hex Lag Bolts *(06 05 23 00-0106)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0128	EA	1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	9.96	
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-0.98*	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-3.44*	
		For >500, Deduct	*-4.91*	
06 05 23 00-0129	EA	1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	10.09	
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-0.99*	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-3.45*	
		For >500, Deduct	*-4.93*	
06 05 23 00-0130	EA	1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	10.22	
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-0.99*	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-3.46*	
		For >500, Deduct	*-4.94*	
06 05 23 00-0131	EA	3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	10.99	
		For >10 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.08*	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-3.76*	
		For >500, Deduct	*-5.37*	
06 05 23 00-0132	EA	3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	11.95	
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-4.04*	
		For >500, Deduct	*-5.77*	
06 05 23 00-0133	EA	3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	12.16	
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 250, Deduct	*-2.32*	
		For >250 To 500, Deduct	*-4.06*	
		For >500, Deduct	*-5.79*	
06 05 23 00-0134	EA	3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	14.95	
		For >10 To 50, Deduct	*-0.69*	
		For >50 To 100, Deduct	*-1.40*	
		For >100 To 250, Deduct	*-2.81*	
		For >250 To 500, Deduct	*-4.89*	
		For >500, Deduct	*-6.98*	
06 05 23 00-0135	EA	3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	15.98	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.48*	
		For >100 To 250, Deduct	*-2.97*	
		For >250 To 500, Deduct	*-5.18*	
		For >500, Deduct	*-7.39*	
06 05 23 00-0136	EA	1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	12.23	
		For >10 To 50, Deduct	*-0.58*	
		For >50 To 100, Deduct	*-1.17*	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-4.08*	
		For >500, Deduct	*-5.83*	
06 05 23 00-0137	EA	1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	13.19	
		For >10 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-1.25*	
		For >100 To 250, Deduct	*-2.50*	
		For >250 To 500, Deduct	*-4.37*	
		For >500, Deduct	*-6.23*	
06 05 23 00-0138	EA	1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	14.39	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.34*	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-4.67*	
		For >500, Deduct	*-6.66*	
06 05 23 00-0139	EA	1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	16.70	
		For >10 To 50, Deduct	*-0.73*	
		For >50 To 100, Deduct	*-1.51*	
		For >100 To 250, Deduct	*-3.02*	
		For >250 To 500, Deduct	*-5.26*	
		For >500, Deduct	*-7.50*	
06 05 23 00-0140	EA	1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	19.25	
		For >10 To 50, Deduct	*-0.84*	
		For >50 To 100, Deduct	*-1.75*	
		For >100 To 250, Deduct	*-3.50*	
		For >250 To 500, Deduct	*-6.09*	
		For >500, Deduct	*-8.68*	
06 05 23 00-0141	EA	1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	21.39	
		For >10 To 50, Deduct	*-0.92*	
		For >50 To 100, Deduct	*-1.92*	
		For >100 To 250, Deduct	*-3.83*	
		For >250 To 500, Deduct	*-6.67*	
		For >500, Deduct	*-9.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0142	EA	3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	17.67	
		For >10 To 50, Deduct	*-0.73*	
		For >50 To 100, Deduct	*-1.54*	
		For >100 To 250, Deduct	*-3.07*	
		For >250 To 500, Deduct	*-5.33*	
		For >500, Deduct	*-7.60*	
06 05 23 00-0143	EA	3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	20.91	
		For >10 To 50, Deduct	*-0.84*	
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 250, Deduct	*-3.58*	
		For >250 To 500, Deduct	*-6.21*	
		For >500, Deduct	*-8.85*	
06 05 23 00-0144	EA	3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	23.21	
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-1.90*	
		For >100 To 250, Deduct	*-3.81*	
		For >250 To 500, Deduct	*-6.59*	
		For >500, Deduct	*-9.38*	
06 05 23 00-0145	EA	3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	26.79	
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-2.11*	
		For >100 To 250, Deduct	*-4.22*	
		For >250 To 500, Deduct	*-7.29*	
		For >500, Deduct	*-10.36*	
06 05 23 00-0146	EA	3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	29.72	
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-2.24*	
		For >100 To 250, Deduct	*-4.48*	
		For >250 To 500, Deduct	*-7.72*	
		For >500, Deduct	*-10.96*	

06 05 23 00-0147 304/18-8 Stainless Steel, Hex Lag Bolts *(06 05 23 00-0106)*

06 05 23 00-0148	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	10.30	
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-0.99*	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-3.46*	
		For >500, Deduct	*-4.95*	
06 05 23 00-0149	EA	1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	10.68	
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-1.00*	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.98*	
06 05 23 00-0150	EA	1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	11.72	
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-1.03*	
		For >100 To 250, Deduct	*-2.05*	
		For >250 To 500, Deduct	*-3.57*	
		For >500, Deduct	*-5.09*	
06 05 23 00-0151	EA	3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	11.97	
		For >10 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.10*	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-3.83*	
		For >500, Deduct	*-5.47*	
06 05 23 00-0152	EA	3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	13.31	
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.19*	
		For >100 To 250, Deduct	*-2.38*	
		For >250 To 500, Deduct	*-4.14*	
		For >500, Deduct	*-5.90*	
06 05 23 00-0153	EA	3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	13.97	
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.21*	
		For >100 To 250, Deduct	*-2.41*	
		For >250 To 500, Deduct	*-4.19*	
		For >500, Deduct	*-5.97*	
06 05 23 00-0154	EA	3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	25.47	
		For >10 To 50, Deduct	*-0.69*	
		For >50 To 100, Deduct	*-1.67*	
		For >100 To 250, Deduct	*-3.33*	
		For >250 To 500, Deduct	*-5.68*	
		For >500, Deduct	*-8.04*	
06 05 23 00-0155	EA	3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	34.29	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.94*	
		For >100 To 250, Deduct	*-3.89*	
		For >250 To 500, Deduct	*-6.55*	
		For >500, Deduct	*-9.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0156	EA	1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	14.07	
		For >10 To 50, Deduct	*-0.58*	
		For >50 To 100, Deduct	*-1.22*	
		For >100 To 250, Deduct	*-2.43*	
		For >250 To 500, Deduct	*-4.22*	
		For >500, Deduct	*-6.01*	
06 05 23 00-0157	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	16.22	
		For >10 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-1.33*	
		For >100 To 250, Deduct	*-2.65*	
		For >250 To 500, Deduct	*-4.59*	
		For >500, Deduct	*-6.53*	
06 05 23 00-0158	EA	1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	19.38	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.46*	
		For >100 To 250, Deduct	*-2.93*	
		For >250 To 500, Deduct	*-5.04*	
		For >500, Deduct	*-7.16*	
06 05 23 00-0159	EA	1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	36.26	
		For >10 To 50, Deduct	*-0.73*	
		For >50 To 100, Deduct	*-2.00*	
		For >100 To 250, Deduct	*-4.00*	
		For >250 To 500, Deduct	*-6.73*	
		For >500, Deduct	*-9.46*	
06 05 23 00-0160	EA	1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	48.44	
		For >10 To 50, Deduct	*-0.84*	
		For >50 To 100, Deduct	*-2.48*	
		For >100 To 250, Deduct	*-4.96*	
		For >250 To 500, Deduct	*-8.28*	
		For >500, Deduct	*-11.60*	
06 05 23 00-0161	EA	1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	56.19	
		For >10 To 50, Deduct	*-0.92*	
		For >50 To 100, Deduct	*-2.79*	
		For >100 To 250, Deduct	*-5.57*	
		For >250 To 500, Deduct	*-9.28*	
		For >500, Deduct	*-12.99*	
06 05 23 00-0162	EA	3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	51.33	
		For >10 To 50, Deduct	*-0.73*	
		For >50 To 100, Deduct	*-2.38*	
		For >100 To 250, Deduct	*-4.75*	
		For >250 To 500, Deduct	*-7.86*	
		For >500, Deduct	*-10.97*	
06 05 23 00-0163	EA	3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	58.75	
		For >10 To 50, Deduct	*-0.84*	
		For >50 To 100, Deduct	*-2.74*	
		For >100 To 250, Deduct	*-5.47*	
		For >250 To 500, Deduct	*-9.05*	
		For >500, Deduct	*-12.63*	
06 05 23 00-0164	EA	3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	61.15	
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-2.85*	
		For >100 To 250, Deduct	*-5.71*	
		For >250 To 500, Deduct	*-9.44*	
		For >500, Deduct	*-13.18*	
06 05 23 00-0165	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	83.09	
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-3.52*	
		For >100 To 250, Deduct	*-7.03*	
		For >250 To 500, Deduct	*-11.51*	
		For >500, Deduct	*-15.99*	
06 05 23 00-0166	EA	3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	90.36	
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-3.76*	
		For >100 To 250, Deduct	*-7.51*	
		For >250 To 500, Deduct	*-12.27*	
		For >500, Deduct	*-17.02*	

06 05 23 00-0167 Supports *(06 05 23)*

06 05 23 00-0168 Shear Plates *(06 05 23 00-0167)*

06 05 23 00-0169	EA	2-5/8" Diameter, Shear Plate	8.53	2.90
		For >10 To 50, Deduct	*-0.33*	
		For >50 To 100, Deduct	*-0.70*	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-2.43*	
		For >500, Deduct	*-3.46*	
06 05 23 00-0170	EA	4" Diameter, Shear Plate	11.46	3.05
		For >10 To 50, Deduct	*-0.34*	
		For >50 To 100, Deduct	*-0.80*	
		For >100 To 250, Deduct	*-1.59*	
		For >250 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.87*	

06 05 23 00-0171 Sill Anchors *(06 05 23 00-0167)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0172	EA	Sill Anchor Embedded In Concrete	7.36	3.05
		For >10 To 50, Deduct	*-0.34*	
		For >50 To 100, Deduct	*-0.69*	
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-2.42*	
		For >500, Deduct	*-3.46*	

06 05 23 00-0173 Spike Grids *(06 05 23 00-0167)*

06 05 23 00-0174	EA	4" x 4" Flat Or Curved Spike Grid	7.24	2.90
		For >10 To 50, Deduct	*-0.33*	
		For >50 To 100, Deduct	*-0.67*	
		For >100 To 250, Deduct	*-1.34*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-3.33*	

06 05 23 00-0175 Split Rings *(06 05 23 00-0167)*

06 05 23 00-0176	EA	2-1/2" Diameter Split Ring	7.68	2.90
		For >10 To 50, Deduct	*-0.33*	
		For >50 To 100, Deduct	*-0.68*	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-2.37*	
		For >500, Deduct	*-3.38*	
06 05 23 00-0177	EA	4" Diameter Split Ring	9.06	3.21
		For >10 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-0.76*	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.75*	

06 05 23 00-0178 Toothed Rings *(06 05 23 00-0167)*

06 05 23 00-0179	EA	2-5/8" Or 4" Toothed Ring	9.37	2.90
		For >10 To 50, Deduct	*-0.33*	
		For >50 To 100, Deduct	*-0.72*	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.55*	

06 05 23 00-0180 Straps And Shields *(06 05 23)*

06 05 23 00-0181 Shield Plate *(06 05 23 00-0180)*

06 05 23 00-0182	EA	5" Wide x 8" Long, 16 Gauge, Shield Plate (Simpson Strong Tie® PSPN58Z)	5.05	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.62*	
		For >500, Deduct	*-0.96*	
06 05 23 00-0183	EA	5" Wide x 16" Long, 16 Gauge, Shield Plate (Simpson Strong Tie® PSPN516Z)	7.57	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.30*	

06 05 23 00-0184 Strap Ties *(06 05 23 00-0180)*

06 05 23 00-0185	EA	1-1/4" Wide x 9" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA9)	2.08	
		For >10 To 50, Deduct	*-0.04*	
		For >50 To 100, Deduct	*-0.09*	
		For >100 To 250, Deduct	*-0.18*	
		For >250 To 500, Deduct	*-0.35*	
		For >500, Deduct	*-0.57*	
06 05 23 00-0186	EA	1-1/4" Wide x 12" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA12)	2.13	
		For >10 To 50, Deduct	*-0.04*	
		For >50 To 100, Deduct	*-0.09*	
		For >100 To 250, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.36*	
		For >500, Deduct	*-0.57*	
06 05 23 00-0187	EA	1-1/4" Wide x 15" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA15)	2.81	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.46*	
		For >500, Deduct	*-0.73*	
06 05 23 00-0188	EA	1-1/4" Wide x 18" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA18)	2.95	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.47*	
		For >500, Deduct	*-0.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0189	EA	1-1/4" Wide x 21" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA21)	3.08	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.48*	
		For >500, Deduct	*-0.76*	
06 05 23 00-0190	EA	1-1/4" Wide x 24" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA24)	3.60	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-0.56*	
		For >500, Deduct	*-0.90*	
06 05 23 00-0191	EA	1-1/4" Wide x 30" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA30)	3.94	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.59*	
		For >500, Deduct	*-0.93*	
06 05 23 00-0192	EA	1-1/4" Wide x 36" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA36)	4.69	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.69*	
		For >500, Deduct	*-1.10*	
06 05 23 00-0193	EA	1-1/4" Wide x 9" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA9)	2.13	
		For >10 To 50, Deduct	*-0.04*	
		For >50 To 100, Deduct	*-0.09*	
		For >100 To 250, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.36*	
		For >500, Deduct	*-0.57*	
06 05 23 00-0194	EA	1-1/4" Wide x 12" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA12)	2.30	
		For >10 To 50, Deduct	*-0.04*	
		For >50 To 100, Deduct	*-0.10*	
		For >100 To 250, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.37*	
		For >500, Deduct	*-0.59*	
06 05 23 00-0195	EA	1-1/4" Wide x 15" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA15)	2.91	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.46*	
		For >500, Deduct	*-0.74*	
06 05 23 00-0196	EA	1-1/4" Wide x 18" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA18)	3.11	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.48*	
		For >500, Deduct	*-0.76*	
06 05 23 00-0197	EA	1-1/4" Wide x 21" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA21)	3.29	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.49*	
		For >500, Deduct	*-0.78*	
06 05 23 00-0198	EA	1-1/4" Wide x 24" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA24)	3.87	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.58*	
		For >500, Deduct	*-0.93*	
06 05 23 00-0199	EA	1-1/4" Wide x 30" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA30)	4.15	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.61*	
		For >500, Deduct	*-0.96*	
06 05 23 00-0200	EA	1-1/4" Wide x 36" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA36)	5.01	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.72*	
		For >500, Deduct	*-1.13*	
06 05 23 00-0201	EA	1-1/4" Wide x 36" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA49)	6.45	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.48*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.36*	
06 05 23 00-0202	EA	1-1/4"" Wide x 9" Long, 16 Gauge, Strap Tie (Simpson Strong Tie® ST9)	2.36	
		For >10 To 50, Deduct	*-0.04*	
		For >50 To 100, Deduct	*-0.10*	
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.37*	
		For >500, Deduct	*-0.60*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0203	EA	1-1/4"" Wide x 12" Long, 16 Gauge, Strap Tie (Simpson Strong Tie® ST12)	2.56	
		For >10 To 50, Deduct	*-0.04*	
		For >50 To 100, Deduct	*-0.10*	
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.39*	
		For >500, Deduct	*-0.62*	
06 05 23 00-0204	EA	1-1/4"" Wide x 18" Long, 16 Gauge, Strap Tie (Simpson Strong Tie® ST18)	3.43	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.50*	
		For >500, Deduct	*-0.79*	
06 05 23 00-0205	EA	1-1/4"" Wide x 22" Long, 16 Gauge, Strap Tie® (Simpson Strong Tie ST22)	4.43	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.63*	
		For >500, Deduct	*-0.98*	
06 05 23 00-0206	EA	1-3/8" Wide x 6" Long, 12 Gauge, Strap Tie (Simpson Strong Tie® HRS6)	2.94	
		For >10 To 50, Deduct	*-0.04*	
		For >50 To 100, Deduct	*-0.11*	
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.42*	
		For >500, Deduct	*-0.66*	
06 05 23 00-0207	EA	1-3/8" Wide x 8" Long, 12 Gauge, Strap Tie (Simpson Strong Tie® HRS8)	3.10	
		For >10 To 50, Deduct	*-0.04*	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.43*	
		For >500, Deduct	*-0.67*	
06 05 23 00-0208	EA	1-3/8" Wide x 12" Long, 12 Gauge, Strap Tie (Simpson Strong Tie® HRS12)	4.19	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.56*	
		For >500, Deduct	*-0.87*	
06 05 23 00-0209	EA	2-1/16" Wide x 27" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST27)	7.36	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.85*	
		For >500, Deduct	*-1.28*	
06 05 23 00-0210	EA	2-1/16" Wide x 37" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST37)	9.90	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.32*	
		For >100 To 250, Deduct	*-0.63*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.62*	
06 05 23 00-0211	EA	2-1/16" Wide x 48" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST48)	13.03	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.40*	
		For >100 To 250, Deduct	*-0.81*	
		For >250 To 500, Deduct	*-1.37*	
		For >500, Deduct	*-2.02*	
06 05 23 00-0212	EA	2-1/16" Wide x 60" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST60)	18.76	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.56*	
		For >100 To 250, Deduct	*-1.11*	
		For >250 To 500, Deduct	*-1.85*	
		For >500, Deduct	*-2.69*	
06 05 23 00-0213	EA	2-1/16" Wide x 72" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST72)	24.11	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.70*	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-2.30*	
		For >500, Deduct	*-3.31*	
06 05 23 00-0214	EA	3" Wide x 28" Long, 16 Gauge, Strap Ties (Simpson Strong Tie® MSTC28)	7.87	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.26*	
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.33*	
06 05 23 00-0215	EA	3" Wide x 40" Long, 16 Gauge, Strap Ties (Simpson Strong Tie® MSTC40)	10.64	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.33*	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-1.14*	
		For >500, Deduct	*-1.69*	
06 05 23 00-0216	EA	3" Wide x 52" Long, 16 Gauge, Strap Ties (Simpson Strong Tie® MSTC52)	13.24	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.41*	
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.38*	
		For >500, Deduct	*-2.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0217	EA	3" Wide x 66" Long, 16 Gauge, Strap Ties (Simpson Strong Tie® MSTC66)	19.16	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.57*	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.88*	
		For >500, Deduct	*-2.73*	

06 05 23 00-0218 Twist Strap Ties *(06 05 23 00-0180)*

06 05 23 00-0219	EA	1-1/4"" Wide x 9" Long, 16 Gauge, Twist Strap Tie (Simpson Strong Tie® TS9)	2.63	
		For >10 To 50, Deduct	*-0.04*	
		For >50 To 100, Deduct	*-0.11*	
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.39*	
		For >500, Deduct	*-0.62*	
06 05 23 00-0220	EA	1-1/4"" Wide x 12" Long, 16 Gauge, TwistStrap Tie (Simpson Strong Tie® TS12)	3.01	
		For >10 To 50, Deduct	*-0.04*	
		For >50 To 100, Deduct	*-0.11*	
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.42*	
		For >500, Deduct	*-0.66*	
06 05 23 00-0221	EA	1-1/4"" Wide x 18" Long, 16 Gauge, TwistStrap Tie (Simpson Strong Tie® TS18)	4.04	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-0.55*	
		For >500, Deduct	*-0.85*	
06 05 23 00-0222	EA	1-1/4"" Wide x 22" Long, 16 Gauge, TwistStrap Tie (Simpson Strong Tie® TS22)	4.79	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.65*	
		For >500, Deduct	*-1.02*	

06 05 23 00-0223 Retrofit Plate Strap *(06 05 23 00-0180)*

06 05 23 00-0224	EA	1-3/8" Wide x 18" Long, 16 Gauge, Retrofit Plate Strap (Simpson Strong Tie® RPS18)	3.62	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.52*	
		For >500, Deduct	*-0.81*	
06 05 23 00-0225	EA	1-3/8" Wide x 22" Long, 16 Gauge, Retrofit Plate Strap (Simpson Strong Tie® RPS22)	3.98	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-0.54*	
		For >500, Deduct	*-0.85*	
06 05 23 00-0226	EA	1-3/8" Wide x 28" Long, 16 Gauge, Retrofit Plate Strap (Simpson Strong Tie® RPS28)	4.53	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.58*	
		For >500, Deduct	*-0.90*	

06 05 23 00-0227 Stud Shoe *(06 05 23 00-0180)*

06 05 23 00-0228	EA	6" High With 3-1/4" Wide Tabs For 2X Stud, 16 Gauge, Stud Shoe (Simpson Strong Tie® SS1.5)	6.51	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.78*	
		For >500, Deduct	*-1.19*	
06 05 23 00-0229	EA	6" High With 3-1/4" Wide Tabs For 3X Stud, 16 Gauge, Stud Shoe (Simpson Strong Tie® SS2.5)	9.67	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.30*	
		For >100 To 250, Deduct	*-0.60*	
		For >250 To 500, Deduct	*-1.02*	
		For >500, Deduct	*-1.51*	
06 05 23 00-0230	EA	6" High With 3-1/4" Wide Tabs For 2-2X Studs, 16 Gauge, Stud Shoe (Simpson Strong Tie® SS3)	10.32	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.32*	
		For >100 To 250, Deduct	*-0.63*	
		For >250 To 500, Deduct	*-1.07*	
		For >500, Deduct	*-1.57*	
06 05 23 00-0231	EA	6" High With 3-1/4" Wide Tabs For 3-2X Studs, 16 Gauge, Stud Shoe (Simpson Strong Tie SS4.5)	13.60	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.40*	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.90*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0232		EA	7-1/8" High With 3-1/4" Wide Tabs For 2X Studs, 16 Gauge, Stud Shoe (Simpson Strong Tie HSS2-SDS1.5)	15.23	
			For >10 To 50, Deduct	*-0.06*	
			For >50 To 100, Deduct	*-0.44*	
			For >100 To 250, Deduct	*-0.88*	
			For >250 To 500, Deduct	*-1.44*	
			For >500, Deduct	*-2.06*	
06 05 23 00-0233		EA	7-1/8" High With 3-1/4" Wide Tabs For 2-2X Studs, 16 Gauge, Stud Shoe (Simpson Strong Tie HSS2-2-SDS3)	18.75	
			For >10 To 50, Deduct	*-0.06*	
			For >50 To 100, Deduct	*-0.53*	
			For >100 To 250, Deduct	*-1.06*	
			For >250 To 500, Deduct	*-1.70*	
			For >500, Deduct	*-2.42*	
06 05 23 00-0234		EA	7-1/8" High With 3-1/4" Wide Tabs For 3-2X Studs, 16 Gauge, Stud Shoe (Simpson Strong Tie HSS2-3-SDS3)	18.75	
			For >10 To 50, Deduct	*-0.06*	
			For >50 To 100, Deduct	*-0.53*	
			For >100 To 250, Deduct	*-1.06*	
			For >250 To 500, Deduct	*-1.70*	
			For >500, Deduct	*-2.42*	
06 05 23 00-0235		EA	7-1/8" High With 3-1/4" Wide Tabs For 4X Studs, 16 Gauge, Stud Shoe (Simpson Strong Tie HSS4-SDS3)	18.75	
			For >10 To 50, Deduct	*-0.06*	
			For >50 To 100, Deduct	*-0.53*	
			For >100 To 250, Deduct	*-1.06*	
			For >250 To 500, Deduct	*-1.70*	
			For >500, Deduct	*-2.42*	

06 05 23 00-0236 Nail Stops *(06 05 23 00-0180)*

06 05 23 00-0237		EA	1-1/2" Wide x 3" Long, 16 Gauge, Nail Stops (Simpson Strong Tie® NS1)	1.96	
			For >10 To 50, Deduct	*-0.04*	
			For >50 To 100, Deduct	*-0.09*	
			For >100 To 250, Deduct	*-0.18*	
			For >250 To 500, Deduct	*-0.34*	
			For >500, Deduct	*-0.56*	
06 05 23 00-0238		EA	1-1/2" Wide x 6" Long, 16 Gauge, Nail Stops (Simpson Strong Tie® NS2)	2.24	
			For >10 To 50, Deduct	*-0.04*	
			For >50 To 100, Deduct	*-0.10*	
			For >100 To 250, Deduct	*-0.19*	
			For >250 To 500, Deduct	*-0.36*	
			For >500, Deduct	*-0.59*	

06 05 73 Wood Treatment *(06 05)*

06 05 73 13 Fire-Retardant Wood Treatment *(06 05 73)*

06 05 73 13-0001 Preservative Treated Lumber *(06 05 73 13)*

06 05 73 13-0002 Fire Retardant Treatment (FRT) For Lumber *(06 05 73 13-0001)*

06 05 73 13-0003		MBF	Fire Retardant Treatment (FRT) For Lumber	384.34	

06 05 73 33 Preservative Wood Treatment *(06 05 73)*

06 05 73 33-0001 Preservative Treatment For Marine And Fresh Water Uses *(06 05 73 33)*

06 05 73 33-0002		MBF	Preservative Treatment For Marine And Fresh Water Lumber	97.87	

06 10 Rough Carpentry *(06)*

06 11 Wood Framing *(06 10)*

Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal. See CSI section 06 05 23 00-0000 for anchors and supports.

06 11 13 Engineered Wood Products *(06 11)*

Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal.

06 11 13 00-0001 Built-Up Members *(06 11 13)*

Note: A structural framing member made from fastening separate pieces of lumber together.

06 11 13 00-0002 Built-Up Beams Or Joists *(06 11 13 00-0001)*

06 11 13 00-0003		LF	Two 2" x 6" Built-up Wood Beam Or Joist	3.25	1.34
			For Each Additional 2" x_" In The Built Up Member, Add	*0.60*	
06 11 13 00-0004		LF	Two 2" x 8" Built-up Wood Beam Or Joist	4.08	1.58
			For Each Additional 2" x_" In The Built Up Member, Add	*0.86*	
06 11 13 00-0005		LF	Two 2" x 10" Built-up Wood Beam Or Joist	5.21	1.90
			For Each Additional 2" x_" In The Built Up Member, Add	*1.19*	

06 11 13 00-0006 Built-Up Posts *(06 11 13 00-0001)*

06 11 13 00-0007		LF	Two 2" x 6" Built-up Wood Post	3.25	1.34
			For Each Additional 2" x_" In The Built Up Member, Add	*0.60*	
06 11 13 00-0008		LF	Two 2" x 8" Built-up Wood Post	4.08	1.58
			For Each Additional 2" x_" In The Built Up Member, Add	*0.86*	
06 11 13 00-0009		LF	Two 2" x 10" Built-up Wood Post	5.21	1.90
			For Each Additional 2" x_" In The Built Up Member, Add	*1.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16		**Mechanically Graded Lumber** *(06 11)*		
06 11 16 00-0001		Rafters And Joists *(06 11 16)*		
06 11 16 00-0002		Rafters *(06 11 16 00-0001)*		
		Note: An inclined roof framing member to which a roof covering is attached.		
06 11 16 00-0003	LF	2" x 6" Wood Rafter	1.86	0.94
06 11 16 00-0004	LF	2" x 8" Wood Rafter	2.19	1.03
06 11 16 00-0005	LF	2" x 10" Wood Rafter	3.16	1.50
06 11 16 00-0006	LF	2" x 12" Wood Rafter	3.65	1.66
06 11 16 00-0007	LF	2" x 14" Wood Rafter	3.97	1.82
06 11 16 00-0008	LF	2" x 6" Pressure Treated Wood Rafter	2.35	0.94
06 11 16 00-0009	LF	2" x 8" Pressure Treated Wood Rafter	2.87	1.03
06 11 16 00-0010	LF	2" x 10" Pressure Treated Wood Rafter	3.87	1.50
06 11 16 00-0011	LF	2" x 12" Pressure Treated Wood Rafter	4.68	1.66
06 11 16 00-0012		Joists *(06 11 16 00-0001)*		
		Note: A series of parallel beams to support floors or ceilings.		
06 11 16 00-0013	LF	2" x 6" Wood Floor Joist	1.63	0.79
06 11 16 00-0014	LF	2" x 8" Wood Floor Joist	2.04	0.87
06 11 16 00-0015	LF	2" x 10" Wood Floor Joist	2.61	1.11
06 11 16 00-0016	LF	2" x 12" Wood Floor Joist	3.10	1.26
06 11 16 00-0017	LF	2" x 14" Wood Floor Joist	3.42	1.34
06 11 16 00-0018	LF	2" x 6" Pressure Treated Wood Floor Joist	2.12	0.79
06 11 16 00-0019	LF	2" x 8" Pressure Treated Wood Floor Joist	2.72	0.87
06 11 16 00-0020	LF	2" x 10" Pressure Treated Wood Floor Joist	3.32	1.11
06 11 16 00-0021	LF	2" x 12" Pressure Treated Wood Floor Joist	4.13	1.26
06 11 16 00-0022		Purlins *(06 11 16 00-0001)*		
		Note: A horizontal structural member in a roof, supporting the loads from the roof deck or sheathing.		
06 11 16 00-0023	LF	2" x 4" Wood Purlin	1.30	0.48
06 11 16 00-0024	LF	2" x 6" Wood Purlin	1.65	0.52
06 11 16 00-0025	LF	2" x 8" Wood Purlin	2.00	0.58
06 11 16 00-0026	LF	2" x 10" Wood Purlin	2.45	0.63
06 11 16 00-0027	LF	2" x 4" Pressure Treated Wood Purlin	1.59	0.48
06 11 16 00-0028	LF	2" x 6" Pressure Treated Wood Purlin	2.14	0.52
06 11 16 00-0029	LF	2" x 8" Pressure Treated Wood Purlin	2.68	0.58
06 11 16 00-0030	LF	2" x 10" Pressure Treated Wood Purlin	3.16	0.63
06 11 16 00-0031		Exposed Rafters Or Joists *(06 11 16 00-0001)*		
06 11 16 00-0032		Redwood Rafters Or Joists *(06 11 16 00-0031)*		
06 11 16 00-0033	LF	2" x 6" Redwood Rafter Or Joist	2.52	0.79
06 11 16 00-0034	LF	2" x 8" Redwood Rafter Or Joist	3.07	0.87
06 11 16 00-0035	LF	2" x 10" Redwood Rafter Or Joist	3.82	1.11
06 11 16 00-0036	LF	2" x 12" Redwood Rafter Or Joist	4.64	1.26
06 11 16 00-0037		Cedar Rafters Or Joists *(06 11 16 00-0031)*		
06 11 16 00-0038	LF	2" x 6" Cedar Rafter Or Joist	1.64	0.79
06 11 16 00-0039	LF	2" x 8" Cedar Rafter Or Joist	1.84	0.87
06 11 16 00-0040	LF	2" x 10" Cedar Rafter Or Joist	2.11	1.11
06 11 16 00-0041	LF	2" x 12" Cedar Rafter Or Joist	2.39	1.26
06 11 16 00-0042		Oak Rafters Or Joists *(06 11 16 00-0031)*		
06 11 16 00-0043	LF	2" x 6" Oak Rafter Or Joist	2.00	0.79
06 11 16 00-0044	LF	2" x 8" Oak Rafter Or Joist	2.75	0.87
06 11 16 00-0045	LF	2" x 10" Oak Rafter Or Joist	3.57	1.11
06 11 16 00-0046	LF	2" x 12" Oak Rafter Or Joist	4.40	1.26
06 11 16 00-0047		Framing *(06 11 16)*		
06 11 16 00-0048		Partition Framing *(06 11 16 00-0047)*		
06 11 16 00-0049	LF	2" x 4" Wood Stud Framing, For Partition Walls	1.26	0.63
06 11 16 00-0050	LF	2" x 6" Wood Stud Framing, For Partition Walls	1.54	0.67
06 11 16 00-0051	LF	2" x 8" Wood Stud Framing, For Partition Walls	1.84	0.71
06 11 16 00-0052	LF	2" x 4" Pressure Treated Wood Stud Framing, For Partition Walls	1.55	0.63
06 11 16 00-0053	LF	2" x 6" Pressure Treated Wood Stud Framing, For Partition Walls	2.03	0.67
06 11 16 00-0054	LF	2" x 8" Pressure Treated Wood Stud Framing, For Partition Walls	2.52	0.71
06 11 16 00-0055		Wall Framing Assemblies By The SF *(06 11 16 00-0047)*		
		Note: Includes single bottom and double top plates, center support bracing, vertical studs and appropriate fastening devices. Excludes blocking for wall mounted fixturres or cabinets.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0056		**Wall Framing By The SF, 12" On Center** *(06 11 16 00-0055)*		
06 11 16 00-0057	SF	2" x 4" Wood Wall Framing At 12" On Center	1.65	0.76
		For Up To 200, Add	*0.56*	
		For >200 To 500, Add	*0.28*	
06 11 16 00-0058	SF	2" x 6" Wood Wall Framing At 12" On Center	2.21	0.98
		For Up To 200, Add	*0.73*	
		For >200 To 500, Add	*0.37*	
06 11 16 00-0059	SF	2" x 8" Wood Wall Framing At 12" On Center	2.96	1.31
		For Up To 200, Add	*0.98*	
		For >200 To 500, Add	*0.49*	
06 11 16 00-0060		**Wall Framing By The SF, 16" On Center** *(06 11 16 00-0055)*		
06 11 16 00-0061	SF	2" x 4" Wood Wall Framing At 16" On Center	1.34	0.62
		For Up To 200, Add	*0.45*	
		For >200 To 500, Add	*0.23*	
06 11 16 00-0062	SF	2" x 6" Wood Wall Framing At 16" On Center	1.84	0.81
		For Up To 200, Add	*0.61*	
		For >200 To 500, Add	*0.30*	
06 11 16 00-0063	SF	2" x 8" Wood Wall Framing At 16" On Center	2.46	1.09
		For Up To 200, Add	*0.81*	
		For >200 To 500, Add	*0.41*	
06 11 16 00-0064		**Wall Framing By The SF, 24" On Center** *(06 11 16 00-0055)*		
06 11 16 00-0065	SF	2" x 4" Wood Wall Framing At 24" On Center	1.05	0.48
		For Up To 200, Add	*0.35*	
		For >200 To 500, Add	*0.18*	
06 11 16 00-0066	SF	2" x 6" Wood Wall Framing At 24" On Center	1.44	0.63
		For Up To 200, Add	*0.47*	
		For >200 To 500, Add	*0.24*	
06 11 16 00-0067	SF	2" x 8" Wood Wall Framing At 24" On Center	1.93	0.84
		For Up To 200, Add	*0.64*	
		For >200 To 500, Add	*0.32*	
06 11 16 00-0068		**Sills And Plates** *(06 11 16)*		
06 11 16 00-0069		**Sills** *(06 11 16 00-0068)*		
		Note: A horizontal member which rests on and is attached to the foundation.		
06 11 16 00-0070	LF	2" x 4" Wood Sill	2.14	1.19
06 11 16 00-0071	LF	2" x 6" Wood Sill	2.57	1.34
06 11 16 00-0072	LF	2" x 8" Wood Sill	3.07	1.50
06 11 16 00-0073	LF	2" x 4" Pressure Treated Wood Sill	2.43	1.19
06 11 16 00-0074	LF	2" x 6" Pressure Treated Wood Sill	3.06	1.34
06 11 16 00-0075	LF	2" x 8" Pressure Treated Wood Sill	3.75	1.50
06 11 16 00-0076		**Plates** *(06 11 16 00-0068)*		
		Note: A horizontal member connecting and terminating studs, posts, joists, rafters, etc. such as the top and bottom plate on a stud framed partition wall.		
06 11 16 00-0077	LF	2" x 4" Wood Plate	2.14	1.19
06 11 16 00-0078	LF	2" x 6" Wood Plate	2.57	1.34
06 11 16 00-0079	LF	2" x 8" Wood Plate	3.06	1.50
06 11 16 00-0080	LF	2" x 4" Pressure Treated Wood Plate	2.43	1.19
06 11 16 00-0081	LF	2" x 6" Pressure Treated Wood Plate	3.06	1.34
06 11 16 00-0082	LF	2" x 8" Pressure Treated Wood Plate	3.74	1.50
06 11 16 00-0083		**Sills And Plates From Redwood** *(06 11 16 00-0068)*		
06 11 16 00-0084		**Construction Grade/Rough** *(06 11 16 00-0083)*		
06 11 16 00-0085	LF	2" x 6" Redwood, Construction Grade/Rough	3.59	1.34
06 11 16 00-0086	LF	2" x 8" Redwood, Construction Grade/Rough	4.69	1.50
06 11 16 00-0087	LF	2" x 10" Redwood, Construction Grade/Rough	5.70	1.66
06 11 16 00-0088	LF	2" x 12" Redwood, Construction Grade/Rough	6.89	1.82
06 11 16 00-0089		**Con Heart/Smooth** *(06 11 16 00-0083)*		
06 11 16 00-0090	LF	2" x 6" Redwood, Con Heart/Smooth	4.28	1.34
06 11 16 00-0091	LF	2" x 8" Redwood, Con Heart/Smooth	5.73	1.50
06 11 16 00-0092	LF	2" x 10" Redwood, Con Heart/Smooth	7.46	1.66
06 11 16 00-0093	LF	2" x 12" Redwood, Con Heart/Smooth	8.97	1.82
06 11 16 00-0094		**Suspended Ceiling Framing** *(06 11 16)*		
06 11 16 00-0095	LF	1" x 2" Wood Suspended Ceiling Framing	1.74	1.03
06 11 16 00-0096	LF	1" x 3" Wood Suspended Ceiling Framing	1.91	1.11
06 11 16 00-0097	LF	2" x 2" Wood Suspended Ceiling Framing	2.07	1.19
06 11 16 00-0098	LF	2" x 4" Wood Suspended Ceiling Framing	2.45	1.34
06 11 16 00-0099	LF	1" x 2" Pressure Treated Wood Suspended Ceiling Framing	1.97	1.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0100	LF	1" x 3" Pressure Treated Wood Suspended Ceiling Framing	1.89	1.11
06 11 16 00-0101	LF	2" x 2" Pressure Treated Wood Suspended Ceiling Framing	2.33	1.19
06 11 16 00-0102	LF	2" x 4" Pressure Treated Wood Suspended Ceiling Framing	2.70	1.34
06 11 16 00-0103		Posts And Girts *(06 11 16)*		
06 11 16 00-0104		Posts *(06 11 16 00-0103)*		
		Note: A vertical, upright framing member.		
06 11 16 00-0105	LF	4" x 4" Wood Post	3.00	1.50
06 11 16 00-0106	LF	4" x 5" Wood Post	3.42	1.74
06 11 16 00-0107	LF	4" x 6" Wood Post	3.76	1.90
06 11 16 00-0108	LF	6" x 6" Wood Post	4.18	2.05
06 11 16 00-0109	LF	8" x 8" Wood Post	4.60	2.13
06 11 16 00-0110	LF	10" x 10" Wood Post	5.02	2.45
06 11 16 00-0111	LF	4" x 4" Pressure Treated Wood Post	3.95	1.50
06 11 16 00-0112	LF	4" x 6" Pressure Treated Wood Post	5.11	1.90
06 11 16 00-0113	LF	6" x 6" Pressure Treated Wood Post	6.54	2.05
06 11 16 00-0114		Girts *(06 11 16 00-0103)*		
		Note: A horizontal member at intermediate level between columns, studs, or posts.		
06 11 16 00-0115	LF	2" x 4" Wood Girt	1.50	0.57
06 11 16 00-0116	LF	2" x 6" Wood Girt	1.85	0.62
06 11 16 00-0117	LF	2" x 8" Wood Girt	2.22	0.69
06 11 16 00-0118	LF	2" x 10" Wood Girt	2.70	0.76
06 11 16 00-0119	LF	4" x 4" Wood Girt	2.91	1.14
06 11 16 00-0120	LF	4" x 5" Wood Girt	3.33	1.28
06 11 16 00-0121	LF	4" x 6" Wood Girt	3.75	1.42
06 11 16 00-0122	LF	6" x 6" Wood Girt	4.17	1.56
06 11 16 00-0123	LF	8" x 8" Wood Girt	4.59	1.71
06 11 16 00-0124	LF	10" x 10" Wood Girt	5.01	1.86
06 11 16 00-0125	LF	2" x 4" Pressure Treated Wood Girt	1.79	0.57
06 11 16 00-0126	LF	2" x 6" Pressure Treated Wood Girt	2.34	0.62
06 11 16 00-0127	LF	2" x 8" Pressure Treated Wood Girt	2.90	0.69
06 11 16 00-0128	LF	2" x 10" Pressure Treated Wood Girt	3.41	0.76
06 11 16 00-0129	LF	4" x 4" Pressure Treated Wood Girt	3.95	1.14
06 11 16 00-0130	LF	4" x 6" Pressure Treated Wood Girt	5.11	1.42
06 11 16 00-0131	LF	6" x 6" Pressure Treated Wood Girt	6.54	1.56
06 11 16 00-0132		Construction Grade/Rough Redwood Posts *(06 11 16 00-0103)*		
06 11 16 00-0133	LF	4" x 4" Redwood, Construction Grade/Rough Post	5.40	1.50
		For Smooth "Clear", Add	*0.63*	
06 11 16 00-0134	LF	4" x 5" Redwood, Construction Grade/Rough Post	6.46	1.74
		For Smooth "Clear", Add	*0.78*	
06 11 16 00-0135	LF	4" x 6" Redwood, Construction Grade/Rough Post	7.54	1.90
		For Smooth "Clear", Add	*0.94*	
06 11 16 00-0136	LF	4" x 8" Redwood, Construction Grade/Rough Post	9.24	1.95
		For Smooth "Clear", Add	*1.25*	
06 11 16 00-0137	LF	4" x 10" Redwood, Construction Grade/Rough Post	10.98	2.07
		For Smooth "Clear", Add	*1.57*	
06 11 16 00-0138	LF	6" x 6" Redwood, Construction Grade/Rough Post	10.18	2.05
		For Smooth "Clear", Add	*1.41*	
06 11 16 00-0139	LF	6" x 8" Redwood, Construction Grade/Rough Post	12.65	2.13
		For Smooth "Clear", Add	*1.88*	
06 11 16 00-0140	LF	6" x 10" Redwood, Construction Grade/Rough Post	15.08	2.00
		For Smooth "Clear", Add	*2.35*	
06 11 16 00-0141	LF	8" x 8" Redwood, Construction Grade/Rough Post	15.95	2.13
		For Smooth "Clear", Add	*2.51*	
06 11 16 00-0142		Stair Stringers *(06 11 16)*		
		See CSI section 06 43 13 00-0001 for treads and risers.		
06 11 16 00-0143	LF	2" x 10" Wood Stair Stringer	5.90	3.16
06 11 16 00-0144	LF	2" x 12" Wood Stair Stringer	6.98	3.71
06 11 16 00-0145	LF	2" x 10" Pressure Treated Wood Stair Stringer	6.64	3.16
06 11 16 00-0146	LF	2" x 12" Pressure Treated Wood Stair Stringer	8.00	3.71
06 11 16 00-0147		Blocking *(06 11 16)*		
06 11 16 00-0148		Blocking *(06 11 16 00-0147)*		
06 11 16 00-0149		Blocking To Wood *(06 11 16 00-0148)*		
06 11 16 00-0150	LF	2" x 4" Pressure Treated Wood Blocking To Wood	4.73	1.90
06 11 16 00-0151	LF	2" x 6" Pressure Treated Wood Blocking To Wood	5.74	2.08
06 11 16 00-0152	LF	2" x 8" Pressure Treated Wood Blocking To Wood	6.62	2.29
06 11 16 00-0153	LF	4" x 4" Pressure Treated Wood Blocking To Wood	7.78	2.52
06 11 16 00-0154	LF	4" x 6" Pressure Treated Wood Blocking To Wood	8.33	2.77
06 11 16 00-0155	LF	2" x 4" Wood Blocking To Wood	4.15	1.90
06 11 16 00-0156	LF	2" x 6" Wood Blocking To Wood	4.77	2.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0157	LF	2" x 8" Wood Blocking To Wood	5.44	2.29
06 11 16 00-0158	LF	4" x 4" Wood Blocking To Wood	5.78	2.52
06 11 16 00-0159	LF	4" x 6" Wood Blocking To Wood	6.47	2.77
06 11 16 00-0160		Blocking To Steel *(06 11 16 00-0148)*		
06 11 16 00-0161	LF	2" x 4" Pressure Treated Wood Blocking To Steel	5.40	2.18
06 11 16 00-0162	LF	2" x 6" Pressure Treated Wood Blocking To Steel	6.52	2.41
06 11 16 00-0163	LF	2" x 8" Pressure Treated Wood Blocking To Steel	7.51	2.64
06 11 16 00-0164	LF	2" x 4" Wood Blocking To Steel	4.76	2.18
06 11 16 00-0165	LF	2" x 6" Wood Blocking To Steel	5.45	2.41
06 11 16 00-0166	LF	2" x 8" Wood Blocking To Steel	6.22	2.64
06 11 16 00-0167		Blocking To Concrete *(06 11 16 00-0148)*		
06 11 16 00-0168	LF	2" x 4" Pressure Treated Wood Blocking To Concrete	5.40	2.18
06 11 16 00-0169	LF	2" x 6" Pressure Treated Wood Blocking To Concrete	6.52	2.41
06 11 16 00-0170	LF	2" x 8" Pressure Treated Wood Blocking To Concrete	7.51	2.64
06 11 16 00-0171	LF	2" x 4" Wood Blocking To Concrete	4.76	2.18
06 11 16 00-0172	LF	2" x 6" Wood Blocking To Concrete	5.45	2.41
06 11 16 00-0173	LF	2" x 8" Wood Blocking To Concrete	6.22	2.64
06 11 16 00-0174		Pressure Treated Lattice *(06 11 16 00-0147)*		
06 11 16 00-0175	SF	3/4" Thick Pressure Treated Wood Lattice	4.87	1.66
06 11 16 00-0176		Roofing Nailers *(06 11 16)*		
06 11 16 00-0177	LF	2" x 4" Pressure Treated Lumber, For Roofing Nailers	2.47	0.63
06 11 16 00-0178	LF	2" x 6" Pressure Treated Lumber, For Roofing Nailers	2.99	0.67
06 11 16 00-0179	LF	2" x 8" Pressure Treated Lumber, For Roofing Nailers	3.50	0.71
06 11 16 00-0180		Roofing Sleepers *(06 11 16)*		
06 11 16 00-0181	LF	2" x 4" Pressure Treated Lumber, For Roofing Sleepers	1.24	
06 11 16 00-0182	LF	4" x 4" Pressure Treated Lumber, For Roofing Sleepers	2.83	
06 11 16 00-0183	LF	4" x 6" Pressure Treated Lumber, For Roofing Sleepers	3.69	
06 11 16 00-0184	LF	6" x 6" Pressure Treated Lumber, For Roofing Sleepers	4.99	
06 11 16 00-0185		Canopy Framing, Bridging, And Furring *(06 11 16)*		
06 11 16 00-0186		Wood And Steel Bridging *(06 11 16 00-0185)*		
06 11 16 00-0187		Wood Bridging *(06 11 16 00-0186)*		
06 11 16 00-0188	EA	1 Pair Wood Bridging, 1" x 3" Cross Type Note: For joists spaced at 16" on center.	6.38	2.76
06 11 16 00-0189	EA	1 Pair Wood Bridging, 2" x 3" Cross Type Note: For joists spaced at 16" on center.	6.58	2.76
06 11 16 00-0190		Steel Bridging *(06 11 16 00-0186)*		
06 11 16 00-0191	EA	1 Pair Steel Bridging, Wood Joists At 16" On Center	7.37	2.76
06 11 16 00-0192	EA	1 Pair Steel Bridging, Wood Joists At 24" On Center	7.35	2.76
06 11 16 00-0193		Light Framing, Trim And Furring *(06 11 16 00-0185)*		
06 11 16 00-0194		Pine/Spruce/Fir Light Framing, Trim And Furring *(06 11 16 00-0193)*		
06 11 16 00-0195	LF	1" x 1" Pine/Spruce/Fir Light Framing, Trim And Furring	1.41	0.65
06 11 16 00-0196	LF	1" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring	1.58	0.71
06 11 16 00-0197	LF	1" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring	1.82	0.78
06 11 16 00-0198	LF	1" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring	2.05	0.86
06 11 16 00-0199	LF	1" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring	2.27	0.94
06 11 16 00-0200	LF	1" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring	2.50	1.05
06 11 16 00-0201	LF	2" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring	2.06	0.86
06 11 16 00-0202	LF	2" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring	2.30	0.94
06 11 16 00-0203	LF	2" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring	2.68	1.05
06 11 16 00-0204	LF	2" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring	3.15	1.15
06 11 16 00-0205	LF	2" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring	3.71	1.26
06 11 16 00-0206		Cedar Light Framing, Trim And Furring *(06 11 16 00-0193)*		
06 11 16 00-0207	LF	1" x 1" Cedar Light Framing, Trim And Furring	1.43	0.65
06 11 16 00-0208	LF	1" x 2" Cedar Light Framing, Trim And Furring	1.68	0.71
06 11 16 00-0209	LF	1" x 4" Cedar Light Framing, Trim And Furring	2.21	0.78
06 11 16 00-0210	LF	1" x 6" Cedar Light Framing, Trim And Furring	2.70	0.86
06 11 16 00-0211	LF	1" x 8" Cedar Light Framing, Trim And Furring	3.99	0.94
06 11 16 00-0212	LF	1" x 10" Cedar Light Framing, Trim And Furring	4.70	1.05
06 11 16 00-0213	LF	2" x 2" Cedar Light Framing, Trim And Furring	2.31	0.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0214	LF	2" x 4" Cedar Light Framing, Trim And Furring	2.67	0.94
06 11 16 00-0215		**Oak Light Framing, Trim And Furring** *(06 11 16 00-0193)*		
06 11 16 00-0216	LF	1" x 1" Oak Light Framing, Trim And Furring	1.44	0.65
06 11 16 00-0217	LF	1" x 2" Oak Light Framing, Trim And Furring	1.70	0.71
06 11 16 00-0218	LF	1" x 4" Oak Light Framing, Trim And Furring	2.11	0.78
06 11 16 00-0219	LF	1" x 6" Oak Light Framing, Trim And Furring	2.56	0.86
06 11 16 00-0220	LF	1" x 8" Oak Light Framing, Trim And Furring	3.00	0.94
06 11 16 00-0221	LF	1" x 10" Oak Light Framing, Trim And Furring	3.46	1.05
06 11 16 00-0222	LF	2" x 2" Oak Light Framing, Trim And Furring	2.28	0.86
06 11 16 00-0223	LF	2" x 4" Oak Light Framing, Trim And Furring	3.01	0.94
06 11 16 00-0224		**Redwood Light Framing, Trim And Furring** *(06 11 16 00-0193)*		
06 11 16 00-0225	LF	1" x 1" Redwood Light Framing, Trim And Furring	1.40	0.65
06 11 16 00-0226	LF	1" x 2" Redwood Light Framing, Trim And Furring	1.62	0.71
06 11 16 00-0227	LF	1" x 4" Redwood Light Framing, Trim And Furring	1.98	0.78
06 11 16 00-0228	LF	1" x 6" Redwood Light Framing, Trim And Furring	2.39	0.86
06 11 16 00-0229	LF	1" x 8" Redwood Light Framing, Trim And Furring	2.83	0.94
06 11 16 00-0230	LF	1" x 10" Redwood Light Framing, Trim And Furring	3.30	1.05
06 11 16 00-0231	LF	2" x 2" Redwood Light Framing, Trim And Furring	2.41	0.86
06 11 16 00-0232	LF	2" x 4" Redwood Light Framing, Trim And Furring	2.85	0.94
06 11 16 00-0233		**Poplar Light Framing, Trim And Furring** *(06 11 16 00-0193)*		
06 11 16 00-0234	LF	1" x 1" Poplar Light Framing, Trim And Furring	1.63	0.65
06 11 16 00-0235	LF	1" x 2" Poplar Light Framing, Trim And Furring	1.99	0.71
06 11 16 00-0236	LF	1" x 4" Poplar Light Framing, Trim And Furring	2.50	0.78
06 11 16 00-0237	LF	1" x 6" Poplar Light Framing, Trim And Furring	3.19	0.86
06 11 16 00-0238	LF	1" x 8" Poplar Light Framing, Trim And Furring	3.70	0.94
06 11 16 00-0239	LF	1" x 10" Poplar Light Framing, Trim And Furring	4.87	1.05
06 11 16 00-0240	LF	1" x 12" Poplar Light Framing, Trim And Furring	5.27	1.05
06 11 16 00-0241	LF	2" x 2" Poplar Light Framing, Trim And Furring	4.18	0.86
06 11 16 00-0242	LF	2" x 4" Poplar Light Framing, Trim And Furring	4.69	0.94
06 11 16 00-0243	LF	2" x 6" Poplar Light Framing, Trim And Furring	6.25	1.05
06 11 16 00-0244		**Maple Light Framing, Trim And Furring** *(06 11 16 00-0193)*		
06 11 16 00-0245	LF	1" x 4" Maple Light Framing, Trim And Furring	3.50	0.78
06 11 16 00-0246	LF	1" x 6" Maple Light Framing, Trim And Furring	4.76	0.86
06 11 16 00-0247	LF	1" x 8" Maple Light Framing, Trim And Furring	6.02	0.94
06 11 16 00-0248		**Platform Edging** *(06 11 16)* Note: Includes bolting to concrete surface.		
06 11 16 00-0249	LF	1" Wood Platform Edging, Including Bolts	11.29	4.88
06 11 16 00-0250	LF	2" Wood Platform Edging, Including Bolts	14.46	5.69

06 13 Heavy Timber Construction *(06 10)*

06 13 23 Heavy Timber Framing *(06 13)*

06 13 23 00-0001 Heavy Timber Framing *(06 13 23)*
Note: Excludes fasteners.

06 13 23 00-0002 Heavy Timber Beams *(06 13 23 00-0001)*

06 13 23 00-0003 Pine, Heavy Timber Beams *(06 13 23 00-0002)*

06 13 23 00-0004	LF	4" x 4", Pine, Heavy Timber Beam	4.01	1.40
06 13 23 00-0005	LF	4" x 6", Pine, Heavy Timber Beam	4.75	1.46
06 13 23 00-0006	LF	4" x 8", Pine, Heavy Timber Beam	5.46	1.52
06 13 23 00-0007	LF	4" x 10", Pine, Heavy Timber Beam	6.91	1.62
06 13 23 00-0008	LF	4" x 12", Pine, Heavy Timber Beam	8.10	1.72
06 13 23 00-0009	LF	6" x 6", Pine, Heavy Timber Beam	5.85	1.58
06 13 23 00-0010	LF	6" x 8", Pine, Heavy Timber Beam	6.90	1.66
06 13 23 00-0011	LF	6" x 10", Pine, Heavy Timber Beam	9.07	1.78
06 13 23 00-0012	LF	6" x 12", Pine, Heavy Timber Beam	10.64	1.82
06 13 23 00-0013	LF	8" x 8", Pine, Heavy Timber Beam	8.27	1.72
06 13 23 00-0014	LF	8" x 10", Pine, Heavy Timber Beam	10.91	1.78
06 13 23 00-0015	LF	8" x 12", Pine, Heavy Timber Beam	13.03	1.82
06 13 23 00-0016	LF	10" x 10", Pine, Heavy Timber Beam	12.90	1.82
06 13 23 00-0017	LF	10" x 12", Pine, Heavy Timber Beam	15.63	1.97
06 13 23 00-0018	LF	12" x 12", Pine, Heavy Timber Beam	18.36	2.17

06 13 23 00-0019 Douglas Fir, Heavy Timber Beams *(06 13 23 00-0002)*

06 13 23 00-0020	LF	4" x 4", Douglas Fir, Heavy Timber Beam	4.13	1.40
06 13 23 00-0021	LF	4" x 6", Douglas Fir, Heavy Timber Beam	4.93	1.46
06 13 23 00-0022	LF	4" x 8", Douglas Fir, Heavy Timber Beam	5.71	1.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 13 23 00-0023	LF	4" x 10", Douglas Fir, Heavy Timber Beam	7.28	1.62
06 13 23 00-0024	LF	4" x 12", Douglas Fir, Heavy Timber Beam	8.56	1.72
06 13 23 00-0025	LF	6" x 6", Douglas Fir, Heavy Timber Beam	6.12	1.58
06 13 23 00-0026	LF	6" x 8", Douglas Fir, Heavy Timber Beam	7.26	1.66
06 13 23 00-0027	LF	6" x 10", Douglas Fir, Heavy Timber Beam	9.62	1.78
06 13 23 00-0028	LF	6" x 12", Douglas Fir, Heavy Timber Beam	11.35	1.82
06 13 23 00-0029	LF	8" x 8", Douglas Fir, Heavy Timber Beam	8.75	1.72
06 13 23 00-0030	LF	8" x 10", Douglas Fir, Heavy Timber Beam	11.64	1.78
06 13 23 00-0031	LF	8" x 12", Douglas Fir, Heavy Timber Beam	13.97	1.82
06 13 23 00-0032	LF	10" x 10", Douglas Fir, Heavy Timber Beam	13.81	1.82
06 13 23 00-0033	LF	10" x 12", Douglas Fir, Heavy Timber Beam	16.78	1.97
06 13 23 00-0034	LF	12" x 12", Douglas Fir, Heavy Timber Beam	19.75	2.17
06 13 23 00-0035		**Pressure Treated, Heavy Timber Beams** *(06 13 23 00-0002)*		
06 13 23 00-0036	LF	4" x 4", Pressure Treated, Heavy Timber Beam	3.96	1.40
06 13 23 00-0037	LF	4" x 6", Pressure Treated, Heavy Timber Beam	4.77	1.46
06 13 23 00-0038	LF	4" x 8", Pressure Treated, Heavy Timber Beam	5.46	1.52
06 13 23 00-0039	LF	4" x 10", Pressure Treated, Heavy Timber Beam	6.92	1.62
06 13 23 00-0040	LF	4" x 12", Pressure Treated, Heavy Timber Beam	8.10	1.72
06 13 23 00-0041	LF	6" x 6", Pressure Treated, Heavy Timber Beam	5.85	1.58
06 13 23 00-0042	LF	6" x 8", Pressure Treated, Heavy Timber Beam	6.16	1.66
06 13 23 00-0043	LF	6" x 10", Pressure Treated, Heavy Timber Beam	8.76	1.78
06 13 23 00-0044	LF	6" x 12", Pressure Treated, Heavy Timber Beam	10.46	1.82
06 13 23 00-0045	LF	8" x 8", Pressure Treated, Heavy Timber Beam	10.47	1.72
06 13 23 00-0046	LF	8" x 10", Pressure Treated, Heavy Timber Beam	12.00	1.78
06 13 23 00-0047	LF	8" x 12", Pressure Treated, Heavy Timber Beam	13.94	1.82
06 13 23 00-0048	LF	10" x 10", Pressure Treated, Heavy Timber Beam	14.00	1.82
06 13 23 00-0049	LF	10" x 12", Pressure Treated, Heavy Timber Beam	18.16	1.97
06 13 23 00-0050	LF	12" x 12", Pressure Treated, Heavy Timber Beam	21.40	2.17
06 13 23 00-0051		**Heavy Timber Columns** *(06 13 23 00-0001)*		
06 13 23 00-0052		**Pine, Heavy Timber Columns** *(06 13 23 00-0051)*		
06 13 23 00-0053	LF	4" x 4", Pine, Heavy Timber Column	2.68	0.74
06 13 23 00-0054	LF	4" x 6", Pine, Heavy Timber Column	3.37	0.78
06 13 23 00-0055	LF	4" x 8", Pine, Heavy Timber Column	4.02	0.80
06 13 23 00-0056	LF	4" x 10", Pine, Heavy Timber Column	5.38	0.85
06 13 23 00-0057	LF	4" x 12", Pine, Heavy Timber Column	6.48	0.90
06 13 23 00-0058	LF	6" x 6", Pine, Heavy Timber Column	4.37	0.82
06 13 23 00-0059	LF	6" x 8", Pine, Heavy Timber Column	5.35	0.86
06 13 23 00-0060	LF	6" x 10", Pine, Heavy Timber Column	7.38	0.93
06 13 23 00-0061	LF	6" x 12", Pine, Heavy Timber Column	8.91	0.95
06 13 23 00-0062	LF	8" x 8", Pine, Heavy Timber Column	6.65	0.90
06 13 23 00-0063	LF	8" x 10", Pine, Heavy Timber Column	9.22	0.93
06 13 23 00-0064	LF	8" x 12", Pine, Heavy Timber Column	11.28	0.98
06 13 23 00-0065	LF	10" x 10", Pine, Heavy Timber Column	11.14	0.98
06 13 23 00-0066	LF	10" x 12", Pine, Heavy Timber Column	13.76	1.04
06 13 23 00-0067	LF	12" x 12", Pine, Heavy Timber Column	16.30	1.15
06 13 23 00-0068		**Douglas Fir, Heavy Timber Columns** *(06 13 23 00-0051)*		
06 13 23 00-0069	LF	4" x 4", Douglas Fir, Heavy Timber Column	2.80	0.74
06 13 23 00-0070	LF	4" x 6", Douglas Fir, Heavy Timber Column	3.55	0.78
06 13 23 00-0071	LF	4" x 8", Douglas Fir, Heavy Timber Column	4.27	0.80
06 13 23 00-0072	LF	4" x 10", Douglas Fir, Heavy Timber Column	5.75	0.85
06 13 23 00-0073	LF	4" x 12", Douglas Fir, Heavy Timber Column	6.94	0.90
06 13 23 00-0074	LF	6" x 6", Douglas Fir, Heavy Timber Column	4.64	0.82
06 13 23 00-0075	LF	6" x 8", Douglas Fir, Heavy Timber Column	5.71	0.86
06 13 23 00-0076	LF	6" x 10", Douglas Fir, Heavy Timber Column	7.93	0.93
06 13 23 00-0077	LF	6" x 12", Douglas Fir, Heavy Timber Column	9.62	0.95
06 13 23 00-0078	LF	8" x 8", Douglas Fir, Heavy Timber Column	7.13	0.90
06 13 23 00-0079	LF	8" x 10", Douglas Fir, Heavy Timber Column	9.95	0.93
06 13 23 00-0080	LF	8" x 12", Douglas Fir, Heavy Timber Column	12.22	0.98
06 13 23 00-0081	LF	10" x 10", Douglas Fir, Heavy Timber Column	12.05	0.98
06 13 23 00-0082	LF	10" x 12", Douglas Fir, Heavy Timber Column	14.91	1.04
06 13 23 00-0083	LF	12" x 12", Douglas Fir, Heavy Timber Column	17.69	1.15
06 13 23 00-0084		**Pressure Treated, Heavy Timber Columns** *(06 13 23 00-0051)*		
06 13 23 00-0085	LF	4" x 4", Pressure Treated, Heavy Timber Column	2.63	0.74
06 13 23 00-0086	LF	4" x 6", Pressure Treated, Heavy Timber Column	3.39	0.78
06 13 23 00-0087	LF	4" x 8", Pressure Treated, Heavy Timber Column	4.02	0.80
06 13 23 00-0088	LF	4" x 10", Pressure Treated, Heavy Timber Column	5.39	0.85
06 13 23 00-0089	LF	4" x 12", Pressure Treated, Heavy Timber Column	6.48	0.90
06 13 23 00-0090	LF	6" x 6", Pressure Treated, Heavy Timber Column	4.37	0.82
06 13 23 00-0091	LF	6" x 8", Pressure Treated, Heavy Timber Column	4.61	0.86
06 13 23 00-0092	LF	6" x 10", Pressure Treated, Heavy Timber Column	7.07	0.93
06 13 23 00-0093	LF	6" x 12", Pressure Treated, Heavy Timber Column	8.73	0.95
06 13 23 00-0094	LF	8" x 8", Pressure Treated, Heavy Timber Column	8.85	0.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 13 23 00-0095	LF	8" x 10", Pressure Treated, Heavy Timber Column	10.31	0.93
06 13 23 00-0096	LF	8" x 12", Pressure Treated, Heavy Timber Column	12.19	0.98
06 13 23 00-0097	LF	10" x 10", Pressure Treated, Heavy Timber Column	12.24	0.98
06 13 23 00-0098	LF	10" x 12", Pressure Treated, Heavy Timber Column	16.29	1.04
06 13 23 00-0099	LF	12" x 12", Pressure Treated, Heavy Timber Column	19.34	1.15

06 15 Wood Decking *(06 10)*

06 15 13 Wood Floor Decking *(06 15)*

06 15 13 00-0001 Wood Deck Systems *(06 15 13)*
Note: Includes the deck, joists, girders, posts (8' O.C.), pickets and railing.

06 15 13 00-0002 Pressure Treated Wood Deck System *(06 15 13 00-0001)*

06 15 13 00-0003 2" x 8" Joists At 16" On Center, Pressure Treated Wood Deck System *(06 15 13 00-0002)*

06 15 13 00-0004	SF	5/4" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	24.50	5.47
06 15 13 00-0005	SF	5/4" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	23.57	5.20
06 15 13 00-0006	SF	2" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	25.32	5.61
06 15 13 00-0007	SF	2" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	24.38	5.34

06 15 13 00-0008 2" x 10" Joists At 16" On Center, Pressure Treated Wood Deck System *(06 15 13 00-0002)*

06 15 13 00-0009	SF	5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	25.26	5.61
06 15 13 00-0010	SF	5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	24.29	5.33
06 15 13 00-0011	SF	2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	26.09	5.75
06 15 13 00-0012	SF	2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center	25.12	5.46

06 15 13 00-0013 2" x 10" Joists At 24" On Center, Pressure Treated Wood Deck System *(06 15 13 00-0002)*

06 15 13 00-0014	SF	5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	24.50	5.47
06 15 13 00-0015	SF	5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	23.57	5.20
06 15 13 00-0016	SF	2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	25.32	5.61
06 15 13 00-0017	SF	2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	24.38	5.34

06 15 13 00-0018 Redwood With Pressure Treated Joists, Wood Deck System *(06 15 13 00-0001)*

06 15 13 00-0019 2" x 8" Joists At 16" On Center, Redwood With Pressure Treated Joists, Wood Deck System *(06 15 13 00-0018)*

06 15 13 00-0020	SF	5/4" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	25.59	5.47
06 15 13 00-0021	SF	5/4" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	24.71	5.07
06 15 13 00-0022	SF	2" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	26.69	5.61
06 15 13 00-0023	SF	2" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	25.66	5.34

06 15 13 00-0024 2" x 10" Joists At 16" On Center, Redwood With Pressure Treated Joists, Wood Deck System *(06 15 13 00-0018)*

06 15 13 00-0025	SF	5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	26.97	5.61
06 15 13 00-0026	SF	5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	26.05	5.33
06 15 13 00-0027	SF	2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	28.13	5.75
06 15 13 00-0028	SF	2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	27.09	5.46

06 15 13 00-0029 2" x 10" Joists At 24" On Center, Redwood With Pressure Treated Joists, Wood Deck System *(06 15 13 00-0018)*

06 15 13 00-0030	SF	5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	26.03	5.47
06 15 13 00-0031	SF	5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	25.15	5.20
06 15 13 00-0032	SF	2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	27.15	5.61
06 15 13 00-0033	SF	2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	26.47	5.34

06 15 13 00-0034 Wood Ramp Systems *(06 15 13)*
Note: Includes the decking, joists, girders, posts at corners and along ramp, pickets and railing.

06 15 13 00-0035 Pressure Treated Wood Ramp System *(06 15 13 00-0034)*

06 15 13 00-0036 2" x 6" Joists, Pressure Treated Wood Ramp System *(06 15 13 00-0035)*

06 15 13 00-0037	SF	5/4" x 4" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	28.99	5.34
06 15 13 00-0038	SF	5/4" x 6" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	27.81	5.07
06 15 13 00-0039	SF	2" x 4" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	29.90	5.47
06 15 13 00-0040	SF	2" x 6" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	28.72	5.20

06 15 13 00-0041 2" x 8" Joists, Pressure Treated Wood Ramp System *(06 15 13 00-0035)*

06 15 13 00-0042	SF	5/4" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	29.83	5.47
06 15 13 00-0043	SF	5/4" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	28.64	5.20
06 15 13 00-0044	SF	2" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	30.79	5.61
06 15 13 00-0045	SF	2" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	29.59	5.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0046		2" x 10" Joists, Pressure Treated Wood Ramp System *(06 15 13 00-0035)*		
06 15 13 00-0047	SF	5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	30.71	5.61
06 15 13 00-0048	SF	5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	29.49	5.33
06 15 13 00-0049	SF	2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	31.70	5.75
06 15 13 00-0050	SF	2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	30.45	5.46
06 15 13 00-0051		Redwood With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0034)*		
06 15 13 00-0052		2" x 6" Joists, Redwood With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0051)*		
06 15 13 00-0053	SF	5/4" x 4" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	30.02	5.34
06 15 13 00-0054	SF	5/4" x 6" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	28.88	5.07
06 15 13 00-0055	SF	2" x 4" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	31.18	5.47
06 15 13 00-0056	SF	2" x 6" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	29.93	5.20
06 15 13 00-0057		2" x 8" Joists, Redwood With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0051)*		
06 15 13 00-0058	SF	5/4" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	30.92	5.47
06 15 13 00-0059	SF	5/4" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	29.78	5.20
06 15 13 00-0060	SF	2" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	32.16	5.61
06 15 13 00-0061	SF	2" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	30.87	5.34
06 15 13 00-0062		2" x 10" Joists, Redwood With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0051)*		
06 15 13 00-0063	SF	5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	32.43	5.61
06 15 13 00-0064	SF	5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	31.25	5.33
06 15 13 00-0065	SF	2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	33.74	5.75
06 15 13 00-0066	SF	2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	32.65	5.46
06 15 13 00-0067		Cedar With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0034)*		
06 15 13 00-0068		2" x 6" Joists, Cedar With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0067)*		
06 15 13 00-0069	SF	5/4" x 4" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	29.36	5.34
06 15 13 00-0070	SF	5/4" x 6" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	28.18	5.07
06 15 13 00-0071	SF	2" x 4" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	30.29	5.47
06 15 13 00-0072	SF	2" x 6" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	29.13	5.20
06 15 13 00-0073		2" x 8" Joists, Cedar With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0067)*		
06 15 13 00-0074	SF	5/4" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	30.22	5.47
06 15 13 00-0075	SF	5/4" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	29.04	5.20
06 15 13 00-0076	SF	2" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	31.21	5.61
06 15 13 00-0077	SF	2" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	30.02	5.34
06 15 13 00-0078		2" x 10" Joists, Cedar With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0067)*		
06 15 13 00-0079	SF	5/4" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	31.13	5.61
06 15 13 00-0080	SF	5/4" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	29.92	5.33
06 15 13 00-0081	SF	2" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	32.15	5.75
06 15 13 00-0082	SF	2" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	30.92	5.46
06 15 13 00-0083		Wood Stair Systems *(06 15 13)* Note: Includes the decking, joists, girders, posts at corners and along stairs, pickets and railing.		
06 15 13 00-0084		Pressure Treated Wood Stair System *(06 15 13 00-0083)*		
06 15 13 00-0085		2" x 10" Joists, Pressure Treated Wood Stair System *(06 15 13 00-0084)*		
06 15 13 00-0086	RSR	3' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	76.15	13.13
06 15 13 00-0087	RSR	3' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	73.65	12.47
06 15 13 00-0088	RSR	3' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	78.37	13.47
06 15 13 00-0089	RSR	3' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	75.57	12.79
06 15 13 00-0090	RSR	3'-6" Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	79.96	13.79
06 15 13 00-0091	RSR	3'-6" Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	77.34	13.11
06 15 13 00-0092	RSR	3'-6" Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	82.29	14.14
06 15 13 00-0093	RSR	3'-6" Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	79.36	13.44
06 15 13 00-0094	RSR	4' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	83.89	14.48
06 15 13 00-0095	RSR	4' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	81.13	13.76
06 15 13 00-0096	RSR	4' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	86.34	14.85
06 15 13 00-0097	RSR	4' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	83.26	14.11
06 15 13 00-0098	RSR	5' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	88.75	15.21
06 15 13 00-0099	RSR	5' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	85.90	14.45
06 15 13 00-0100	RSR	5' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	91.34	15.59
06 15 13 00-0101	RSR	5' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	88.14	14.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0102		**2" x 12" Joists, Pressure Treated Wood Stair System** *(06 15 13 00-0084)*		
06 15 13 00-0103	RSR	3' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	77.87	13.46
06 15 13 00-0104	RSR	3' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	75.10	12.78
06 15 13 00-0105	RSR	3' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	80.19	13.81
06 15 13 00-0106	RSR	3' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	77.36	13.12
06 15 13 00-0107	RSR	3'-6" Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	81.76	14.13
06 15 13 00-0108	RSR	3'-6" Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	78.86	13.43
06 15 13 00-0109	RSR	3'-6" Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	84.20	14.50
06 15 13 00-0110	RSR	3'-6" Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	81.22	13.77
06 15 13 00-0111	RSR	4' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	85.79	14.84
06 15 13 00-0112	RSR	4' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	82.73	14.10
06 15 13 00-0113	RSR	4' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	88.35	15.22
06 15 13 00-0114	RSR	4' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	85.22	14.47
06 15 13 00-0115	RSR	5' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	90.75	15.58
06 15 13 00-0116	RSR	5' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	87.56	14.81
06 15 13 00-0117	RSR	5' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	93.47	15.98
06 15 13 00-0118	RSR	5' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	90.21	15.19
06 15 13 00-0119		**Redwood With Pressure Treated Joists, Wood Stair System** *(06 15 13 00-0083)*		
06 15 13 00-0120		**2" x 10" Joists, Redwood With Pressure Treated Joists, Wood Stair System** *(06 15 13 00-0119)*		
06 15 13 00-0121	RSR	3' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	82.19	13.13
06 15 13 00-0122	RSR	3' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	79.63	12.47
06 15 13 00-0123	RSR	3' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	84.78	13.47
06 15 13 00-0124	RSR	3' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	82.18	12.79
06 15 13 00-0125	RSR	3'-6" Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	86.30	13.79
06 15 13 00-0126	RSR	3'-6" Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	83.62	13.11
06 15 13 00-0127	RSR	3'-6" Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	89.03	14.14
06 15 13 00-0128	RSR	3'-6" Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	86.30	13.44
06 15 13 00-0129	RSR	4' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	90.52	14.48
06 15 13 00-0130	RSR	4' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	87.70	13.76
06 15 13 00-0131	RSR	4' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	93.38	14.85
06 15 13 00-0132	RSR	4' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	90.51	14.11
06 15 13 00-0133	RSR	5' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	96.05	15.21
06 15 13 00-0134	RSR	5' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	93.12	14.45
06 15 13 00-0135	RSR	5' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	99.09	15.59
06 15 13 00-0136	RSR	5' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	96.12	14.82
06 15 13 00-0137		**2" x 12" Joists, Redwood With Pressure Treated Joists, Wood Stair System** *(06 15 13 00-0119)*		
06 15 13 00-0138	RSR	3' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	82.13	13.46
06 15 13 00-0139	RSR	3' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	79.51	12.78
06 15 13 00-0140	RSR	3' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	84.62	13.81
06 15 13 00-0141	RSR	3' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	82.01	13.12
06 15 13 00-0142	RSR	3'-6" Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	86.23	14.13
06 15 13 00-0143	RSR	3'-6" Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	83.49	13.43
06 15 13 00-0144	RSR	3'-6" Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	88.86	14.50
06 15 13 00-0145	RSR	3'-6" Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	86.10	13.77
06 15 13 00-0146	RSR	4' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	90.47	14.84
06 15 13 00-0147	RSR	4' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	87.57	14.10
06 15 13 00-0148	RSR	4' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	93.21	15.22
06 15 13 00-0149	RSR	4' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	90.32	14.47
06 15 13 00-0150	RSR	5' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	95.89	15.58
06 15 13 00-0151	RSR	5' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	92.89	14.81
06 15 13 00-0152	RSR	5' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	98.82	15.98
06 15 13 00-0153	RSR	5' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	95.81	15.19
06 15 13 00-0154		**Wood Deck And Ramp Systems Repairs** *(06 15 13)* Note: Includes removal of material and screws. Excludes anchors and bolts.		
06 15 13 00-0155		**Deck Joist Or Girt** *(06 15 13 00-0154)* See CSI section 06 11 16 00-0012 for treated wood joist replacement, 06 51 13 00-0012 for plastic/composite lumber joist replacement.		
06 15 13 00-0156		**Deck Boards** *(06 15 13 00-0154)* See CSI section 06 51 13 00-0035 for plastic/composite lumber decking replacement.		
06 15 13 00-0157	LF	5/4" x 4" Round Edge Pressure Treated Deck Boards	1.64	0.61
06 15 13 00-0158	LF	5/4" x 6" Round Edge Pressure Treated Deck Boards	1.80	0.72
06 15 13 00-0159	LF	2" x 4" Round Edge Pressure Treated Deck Boards	1.76	0.72
06 15 13 00-0160	LF	2" x 6" Round Edge Pressure Treated Deck Boards	2.36	0.83
06 15 13 00-0161	LF	2" x 8" Round Edge Pressure Treated Deck Boards	3.03	1.00
06 15 13 00-0162	LF	2" x 10" Round Edge Pressure Treated Deck Boards	3.71	1.22
06 15 13 00-0163	LF	2" x 12" Round Edge Pressure Treated Deck Boards	4.60	1.44
06 15 13 00-0164	LF	2" x 4" Round Edge Cedar Deck Boards	1.87	0.72
06 15 13 00-0165	LF	2" x 6" Round Edge Cedar Deck Boards	2.42	0.83
06 15 13 00-0166	LF	2" x 4" Round Edge Redwood Deck Boards	2.05	0.72
06 15 13 00-0167	LF	2" x 6" Round Edge Redwood Deck Boards	2.69	0.83

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0168		**Deck Posts** *(06 15 13 00-0154)* See CSI section 06 11 16 00-0103 for treated wood post replacement, 06 51 13 00-0024 for plastic/composite lumber column replacement.		
06 15 13 00-0169		**Deck Railing And Pickets** *(06 15 13 00-0154)* See CSI section 06 51 13 00-0035 for plastic/composite lumber railing replacement.		
06 15 13 00-0170	LF	2" x 4" Pressure Treated Deck Railing	1.76	0.72
06 15 13 00-0171	LF	2" x 2" Pressure Treated Deck Railing Picket	1.16	0.55
06 15 13 00-0172	LF	2" x 4" Cedar Deck Railing	1.87	0.72
06 15 13 00-0173	LF	2" x 2" Cedar Deck Railing Picket	1.40	0.55
06 15 13 00-0174	LF	2" x 4" Redwood Deck Railing	2.05	0.72
06 15 13 00-0175	LF	2" x 2" Redwood Deck Railing Picket	1.54	0.55

06 16 Sheathing *(06 10)*

06 16 23 Subflooring *(06 16)*

06 16 23 00-0001		**Board Type Subflooring** *(06 16 23)*		
06 16 23 00-0002	SF	1" x 8" Regular Surface Board Type Subfloor Note: 4 Sides Laid In A Regular Pattern.	2.49	0.63
		For Water Resistant Coating Or Treatment, Add	*0.06*	
		For Foil Backing, Add	*0.11*	
		For Tongue And Groove, Add	*0.07*	
06 16 23 00-0003	SF	1" x 8" Diagonal Surface Board Type Subfloor Note: 4 Sides Laid In A Diagonal Pattern.	2.75	0.79
		For Water Resistant Coating Or Treatment, Add	*0.06*	
		For Foil Backing, Add	*0.11*	
		For Tongue And Groove, Add	*0.07*	
06 16 23 00-0004	SF	1" x 10" Regular Surface Board Type Subfloor Note: 4 sides laid in a regular pattern.	2.40	0.55
		For Water Resistant Coating Or Treatment, Add	*0.07*	
		For Foil Backing, Add	*0.11*	
		For Tongue And Groove, Add	*0.08*	
06 16 23 00-0005	SF	1" x 10" Diagonal Surface Board Type Subfloor Note: 4 sides laid in a diagonal pattern.	2.59	0.63
		For Water Resistant Coating Or Treatment, Add	*0.07*	
		For Foil Backing, Add	*0.11*	
		For Tongue And Groove, Add	*0.08*	

06 16 33 Wood Board Sheathing *(06 16)*

06 16 33 00-0001		**Plywood** *(06 16 33)*		
06 16 33 00-0002		**Roof Decking** *(06 16 33 00-0001)*		
06 16 33 00-0003	SF	3/8" Thick CDX Plywood Roof Decking Note: Applied to wood rafters.	1.43	0.40
		For Shear Wall Construction, Add	*0.19*	
		For Exterior CC Grade Plywood, Add	*0.08*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.19*	
		For ACQ Preservative Treatment, Add	*0.24*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.40*	
		For Fire Retardant Treatment, Add	*0.40*	
		For >3,200 To 6,400, Deduct	*-0.01*	
		For >6,400 To 12,800, Deduct	*-0.02*	
		For >12,800, Deduct	*-0.03*	
06 16 33 00-0004	SF	1/2" Thick CDX Plywood Roof Decking Note: Applied to wood rafters.	1.63	0.48
		For Shear Wall Construction, Add	*0.20*	
		For Exterior CC Grade Plywood, Add	*0.09*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.20*	
		For ACQ Preservative Treatment, Add	*0.29*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.53*	
		For Fire Retardant Treatment, Add	*0.48*	
		For >3,200 To 6,400, Deduct	*-0.01*	
		For >6,400 To 12,800, Deduct	*-0.02*	
		For >12,800, Deduct	*-0.04*	
06 16 33 00-0005	SF	5/8" Thick CDX Plywood Roof Decking Note: Applied to wood rafters.	1.86	0.48
		For Shear Wall Construction, Add	*0.22*	
		For Exterior CC Grade Plywood, Add	*0.11*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.22*	
		For ACQ Preservative Treatment, Add	*0.36*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.65*	
		For Fire Retardant Treatment, Add	*0.60*	
		For >3,200 To 6,400, Deduct	*-0.02*	
		For >6,400 To 12,800, Deduct	*-0.03*	
		For >12,800, Deduct	*-0.05*	
		For Tongue And Groove, Add	*0.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0006	SF	3/4" Thick CDX Plywood Roof Decking	2.06	0.55
		Note: Applied to wood rafters.		
		For Shear Wall Construction, Add	*0.24*	
		For Exterior CC Grade Plywood, Add	*0.13*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.24*	
		For ACQ Preservative Treatment, Add	*0.42*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.77*	
		For Fire Retardant Treatment, Add	*0.70*	
		For >3,200 To 6,400, Deduct	*-0.02*	
		For >6,400 To 12,800, Deduct	*-0.04*	
		For >12,800, Deduct	*-0.05*	
		For Tongue And Groove, Add	*0.06*	
06 16 33 00-0007	SF	1" Thick CDX Plywood Roof Decking	2.48	0.63
		Note: Applied to wood rafters.		
		For Shear Wall Construction, Add	*0.26*	
		For Exterior CC Grade Plywood, Add	*0.18*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.26*	
		For ACQ Preservative Treatment, Add	*0.57*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.94*	
		For Fire Retardant Treatment, Add	*0.94*	
		For >3,200 To 6,400, Deduct	*-0.02*	
		For >6,400 To 12,800, Deduct	*-0.05*	
		For >12,800, Deduct	*-0.07*	
		For Tongue And Groove, Add	*0.08*	

06 16 33 00-0008 Wall Sheathing *(06 16 33 00-0001)*

06 16 33 00-0009	SF	1/4" Interior BC Plywood Wall Sheathing	1.68	0.55
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	*0.24*	
		For Exterior CC Grade Plywood, Add	*0.08*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.24*	
		For Ceiling Installation, Add	*0.12*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.77*	
		For Fire Retardant Treatment, Add	*0.40*	
		For >3,200 To 6,400, Deduct	*-0.01*	
		For >6,400 To 12,800, Deduct	*-0.02*	
		For >12,800, Deduct	*-0.03*	
06 16 33 00-0010	SF	5/16" Interior BC Plywood Wall Sheathing	1.70	0.55
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	*0.24*	
		For Exterior CC Grade Plywood, Add	*0.08*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.24*	
		For Ceiling Installation, Add	*0.12*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.77*	
		For Fire Retardant Treatment, Add	*0.41*	
		For >3,200 To 6,400, Deduct	*-0.01*	
		For >6,400 To 12,800, Deduct	*-0.02*	
		For >12,800, Deduct	*-0.03*	
06 16 33 00-0011	SF	3/8" Interior BC Plywood Wall Sheathing	1.75	0.63
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	*0.24*	
		For Exterior CC Grade Plywood, Add	*0.09*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.24*	
		For Ceiling Installation, Add	*0.12*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.77*	
		For Fire Retardant Treatment, Add	*0.45*	
		For >3,200 To 6,400, Deduct	*-0.01*	
		For >6,400 To 12,800, Deduct	*-0.02*	
		For >12,800, Deduct	*-0.03*	
06 16 33 00-0012	SF	1/2" Interior BC Plywood Wall Sheathing	1.98	0.63
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	*0.25*	
		For Exterior CC Grade Plywood, Add	*0.11*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.25*	
		For Ceiling Installation, Add	*0.13*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.89*	
		For Fire Retardant Treatment, Add	*0.57*	
		For >3,200 To 6,400, Deduct	*-0.01*	
		For >6,400 To 12,800, Deduct	*-0.03*	
		For >12,800, Deduct	*-0.04*	
06 16 33 00-0013	SF	5/8" Interior BC Plywood Wall Sheathing	2.22	0.71
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	*0.27*	
		For Exterior CC Grade Plywood, Add	*0.13*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.27*	
		For Ceiling Installation, Add	*0.14*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.03*	
		For Fire Retardant Treatment, Add	*0.69*	
		For >3,200 To 6,400, Deduct	*-0.02*	
		For >6,400 To 12,800, Deduct	*-0.03*	
		For >12,800, Deduct	*-0.05*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0014	SF	3/4" Interior BC Plywood Wall Sheathing Note: Applied to wall studs.	2.45	0.79
		For Shear Wall Construction, Add	*0.29*	
		For Exterior CC Grade Plywood, Add	*0.15*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.29*	
		For Ceiling Installation, Add	*0.15*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.19*	
		For Fire Retardant Treatment, Add	*0.78*	
		For >3,200 To 6,400, Deduct	*-0.02*	
		For >6,400 To 12,800, Deduct	*-0.04*	
		For >12,800, Deduct	*-0.06*	
06 16 33 00-0015		**Floor Decking** *(06 16 33 00-0001)* Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0016	SF	5/16" CD Grade Plywood Floor Decking Note: Applied to floor or joists.	1.26	0.48
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.32*	
		For Fire Retardant Treatment, Add	*0.30*	
		For >3,200 To 6,400, Deduct	*-0.01*	
		For >6,400 To 12,800, Deduct	*-0.02*	
		For >12,800, Deduct	*-0.02*	
		For ACQ Preservative Treatment, Add	*0.18*	
		For Fir Plywood, Add	*0.07*	
		For BC Grade Plywood, Add	*0.06*	
		For Exterior Glue, Add	*0.04*	
		For Marine Grade, Add	*0.30*	
06 16 33 00-0017	SF	3/8" CD Grade Plywood Floor Decking Note: Applied to floor or joists.	1.35	0.48
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.40*	
		For Fire Retardant Treatment, Add	*0.33*	
		For >3,200 To 6,400, Deduct	*-0.01*	
		For >6,400 To 12,800, Deduct	*-0.02*	
		For >12,800, Deduct	*-0.03*	
		For ACQ Preservative Treatment, Add	*0.20*	
		For Fir Plywood, Add	*0.08*	
		For BC Grade Plywood, Add	*0.06*	
		For Exterior Glue, Add	*0.04*	
		For Marine Grade, Add	*0.33*	
06 16 33 00-0018	SF	1/2" CD Grade Plywood Floor Decking Note: Applied to floor or joists.	1.54	0.48
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.49*	
		For Fire Retardant Treatment, Add	*0.43*	
		For >3,200 To 6,400, Deduct	*-0.01*	
		For >6,400 To 12,800, Deduct	*-0.02*	
		For >12,800, Deduct	*-0.03*	
		For ACQ Preservative Treatment, Add	*0.26*	
		For Fir Plywood, Add	*0.10*	
		For BC Grade Plywood, Add	*0.08*	
		For Exterior Glue, Add	*0.05*	
		For Marine Grade, Add	*0.43*	
06 16 33 00-0019	SF	5/8" CD Grade Plywood Floor Decking Note: Applied to floor or joists.	1.74	0.48
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.62*	
		For Fire Retardant Treatment, Add	*0.52*	
		For >3,200 To 6,400, Deduct	*-0.01*	
		For >6,400 To 12,800, Deduct	*-0.03*	
		For >12,800, Deduct	*-0.04*	
		For ACQ Preservative Treatment, Add	*0.32*	
		For Fir Plywood, Add	*0.12*	
		For BC Grade Plywood, Add	*0.10*	
		For Exterior Glue, Add	*0.06*	
		For Marine Grade, Add	*0.52*	
06 16 33 00-0020	SF	3/4" CD Grade Plywood Floor Decking Note: Applied to floor or joists.	1.98	0.48
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.71*	
		For Fire Retardant Treatment, Add	*0.66*	
		For >3,200 To 6,400, Deduct	*-0.02*	
		For >6,400 To 12,800, Deduct	*-0.03*	
		For >12,800, Deduct	*-0.05*	
		For ACQ Preservative Treatment, Add	*0.40*	
		For Fir Plywood, Add	*0.16*	
		For BC Grade Plywood, Add	*0.12*	
		For Exterior Glue, Add	*0.08*	
		For Marine Grade, Add	*0.66*	
06 16 33 00-0021	SF	1-1/8" CD Grade Plywood Floor Decking Note: Applied to floor or joists.	2.96	0.71
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.04*	
		For Fire Retardant Treatment, Add	*1.26*	
		For >3,200 To 6,400, Deduct	*-0.03*	
		For >6,400 To 12,800, Deduct	*-0.06*	
		For >12,800, Deduct	*-0.10*	
		For ACQ Preservative Treatment, Add	*0.77*	
		For Fir Plywood, Add	*0.30*	
		For BC Grade Plywood, Add	*0.24*	
		For Exterior Glue, Add	*0.15*	
		For Marine Grade, Add	*1.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0022	SF	1/2" AC Fir Plywood Floor Decking Note: Applied to floor or joists.	1.87	0.48
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.49*	
		For Fire Retardant Treatment, Add	*0.70*	
		For >3,200 To 6,400, Deduct	*-0.02*	
		For >6,400 To 12,800, Deduct	*-0.04*	
		For >12,800, Deduct	*-0.05*	
		For ACQ Preservative Treatment, Add	*0.42*	
		For Exterior Glue, Add	*0.08*	
		For Marine Grade, Add	*0.69*	
		For Tongue And Groove, Add	*0.06*	
06 16 33 00-0023	SF	5/8" AC Fir Plywood Floor Decking Note: Applied to floor or joists.	2.11	0.48
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.62*	
		For Fire Retardant Treatment, Add	*0.81*	
		For >3,200 To 6,400, Deduct	*-0.02*	
		For >6,400 To 12,800, Deduct	*-0.04*	
		For >12,800, Deduct	*-0.06*	
		For ACQ Preservative Treatment, Add	*0.49*	
		For Exterior Glue, Add	*0.10*	
		For Marine Grade, Add	*0.81*	
		For Tongue And Groove, Add	*0.07*	
06 16 33 00-0024	SF	3/4" AC Fir Plywood Floor Decking Note: Applied to floor or joists.	2.25	0.48
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.71*	
		For Fire Retardant Treatment, Add	*0.88*	
		For >3,200 To 6,400, Deduct	*-0.02*	
		For >6,400 To 12,800, Deduct	*-0.04*	
		For >12,800, Deduct	*-0.07*	
		For ACQ Preservative Treatment, Add	*0.53*	
		For Exterior Glue, Add	*0.10*	
		For Marine Grade, Add	*0.87*	
		For Tongue And Groove, Add	*0.08*	
06 16 33 00-0025		Underlayment Grade Subfloor *(06 16 33 00-0001)* Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0026	SF	1/4" Thick Plywood Underlayment BC Grade Subfloor	1.36	0.48
		For Fire Retardant Treatment, Add	*0.36*	
		For >3,200 To 6,400, Deduct	*-0.01*	
		For >6,400 To 12,800, Deduct	*-0.02*	
		For >12,800, Deduct	*-0.03*	
06 16 33 00-0027	SF	3/8" Thick Plywood Underlayment BC Grade Subfloor	1.46	0.48
		For Fire Retardant Treatment, Add	*0.39*	
		For >3,200 To 6,400, Deduct	*-0.01*	
		For >6,400 To 12,800, Deduct	*-0.02*	
		For >12,800, Deduct	*-0.03*	
06 16 33 00-0028	SF	1/2" Thick Plywood Underlayment BC Grade Subfloor	1.51	0.55
		For Fire Retardant Treatment, Add	*0.42*	
		For >3,200 To 6,400, Deduct	*-0.01*	
		For >6,400 To 12,800, Deduct	*-0.02*	
		For >12,800, Deduct	*-0.03*	
06 16 33 00-0029	SF	5/8" Thick Plywood Underlayment BC Grade Subfloor	1.73	0.55
		For Fire Retardant Treatment, Add	*0.50*	
		For >3,200 To 6,400, Deduct	*-0.01*	
		For >6,400 To 12,800, Deduct	*-0.03*	
		For >12,800, Deduct	*-0.04*	
		For Tongue And Groove, Add	*0.04*	
06 16 33 00-0030	SF	3/4" Thick Plywood Underlayment BC Grade Subfloor	1.86	0.55
		For Fire Retardant Treatment, Add	*0.60*	
		For >3,200 To 6,400, Deduct	*-0.02*	
		For >6,400 To 12,800, Deduct	*-0.03*	
		For >12,800, Deduct	*-0.05*	
		For Tongue And Groove, Add	*0.05*	
06 16 33 00-0031	SF	1-1/8" Thick Plywood Underlayment BC Grade Subfloor	2.38	0.63
		For Fire Retardant Treatment, Add	*0.92*	
		For >3,200 To 6,400, Deduct	*-0.02*	
		For >6,400 To 12,800, Deduct	*-0.05*	
		For >12,800, Deduct	*-0.07*	
		For Tongue And Groove, Add	*0.08*	
06 16 33 00-0032	SF	3/8" Thick Plywood CDX Grade Subfloor	1.57	0.48
		For Fire Retardant Treatment, Add	*0.47*	
		For >3,200 To 6,400, Deduct	*-0.01*	
		For >6,400 To 12,800, Deduct	*-0.02*	
		For >12,800, Deduct	*-0.04*	
06 16 33 00-0033	SF	5/8" Thick Plywood CDX Grade Subfloor	1.98	0.55
		For Fire Retardant Treatment, Add	*0.71*	
		For >3,200 To 6,400, Deduct	*-0.02*	
		For >6,400 To 12,800, Deduct	*-0.04*	
		For >12,800, Deduct	*-0.05*	
06 16 33 00-0034		Oriented Strand Board *(06 16 33)*		
06 16 33 00-0035		On Roof *(06 16 33 00-0034)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0036	SF	3/8" Thick Structural Oriented Strand Board On Roof	1.18	0.48
		For >3,200 To 6,400, Deduct	*-0.01*	
		For >6,400 To 12,800, Deduct	*-0.01*	
		For >12,800, Deduct	*-0.02*	
		For Fire Retardant Treatment, Add	*0.20*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*1.40*	
06 16 33 00-0037	SF	1/2" Thick Structural Oriented Strand Board On Roof	1.32	0.48
		For >3,200 To 6,400, Deduct	*-0.01*	
		For >6,400 To 12,800, Deduct	*-0.01*	
		For >12,800, Deduct	*-0.02*	
		For Fire Retardant Treatment, Add	*0.24*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*1.53*	
06 16 33 00-0038	SF	5/8" Thick Structural Oriented Strand Board On Roof	1.53	0.55
		For >3,200 To 6,400, Deduct	*-0.01*	
		For >6,400 To 12,800, Deduct	*-0.02*	
		For >12,800, Deduct	*-0.03*	
		For Fire Retardant Treatment, Add	*0.34*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*1.65*	
06 16 33 00-0039	SF	3/4" Thick Structural Oriented Strand Board On Roof	1.75	0.55
		For >3,200 To 6,400, Deduct	*-0.01*	
		For >6,400 To 12,800, Deduct	*-0.02*	
		For >12,800, Deduct	*-0.03*	
		For Fire Retardant Treatment, Add	*0.45*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*1.77*	
06 16 33 00-0040		On Walls *(06 16 33 00-0034)*		
06 16 33 00-0041	SF	3/8" Thick Structural Oriented Strand Board On Walls	1.43	0.55
		For >3,200 To 6,400, Deduct	*-0.01*	
		For >6,400 To 12,800, Deduct	*-0.01*	
		For >12,800, Deduct	*-0.02*	
		For Fire Retardant Treatment, Add	*0.20*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*1.77*	
06 16 33 00-0042	SF	1/2" Thick Structural Oriented Strand Board On Walls	1.56	0.63
		For >3,200 To 6,400, Deduct	*-0.01*	
		For >6,400 To 12,800, Deduct	*-0.01*	
		For >12,800, Deduct	*-0.02*	
		For Fire Retardant Treatment, Add	*0.24*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*1.89*	
06 16 33 00-0043	SF	5/8" Thick Structural Oriented Strand Board On Walls	1.78	0.71
		For >3,200 To 6,400, Deduct	*-0.01*	
		For >6,400 To 12,800, Deduct	*-0.02*	
		For >12,800, Deduct	*-0.03*	
		For Fire Retardant Treatment, Add	*0.34*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.03*	
06 16 33 00-0044	SF	3/4" Thick Structural Oriented Strand Board On Walls	2.03	0.71
		For >3,200 To 6,400, Deduct	*-0.01*	
		For >6,400 To 12,800, Deduct	*-0.02*	
		For >12,800, Deduct	*-0.03*	
		For Fire Retardant Treatment, Add	*0.45*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.19*	
06 16 33 00-0045		On Floors *(06 16 33 00-0034)*		
		Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0046	SF	3/8" Thick Structural Oriented Strand Board On Floors	1.20	0.48
		For >3,200 To 6,400, Deduct	*-0.01*	
		For >6,400 To 12,800, Deduct	*-0.01*	
		For >12,800, Deduct	*-0.02*	
		For Fire Retardant Treatment, Add	*0.20*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*1.43*	
06 16 33 00-0047	SF	1/2" Thick Structural Oriented Strand Board On Floors	1.44	0.55
		For >3,200 To 6,400, Deduct	*-0.01*	
		For >6,400 To 12,800, Deduct	*-0.01*	
		For >12,800, Deduct	*-0.02*	
		For Fire Retardant Treatment, Add	*0.24*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*1.71*	
06 16 33 00-0048	SF	5/8" Thick Structural Oriented Strand Board On Floors	1.67	0.63
		For >3,200 To 6,400, Deduct	*-0.01*	
		For >6,400 To 12,800, Deduct	*-0.02*	
		For >12,800, Deduct	*-0.03*	
		For Fire Retardant Treatment, Add	*0.34*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*1.86*	
06 16 33 00-0049	SF	3/4" Thick Structural Oriented Strand Board On Floors	1.92	0.71
		For >3,200 To 6,400, Deduct	*-0.01*	
		For >6,400 To 12,800, Deduct	*-0.02*	
		For >12,800, Deduct	*-0.03*	
		For Fire Retardant Treatment, Add	*0.45*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.03*	
06 16 33 00-0050		Particle Board *(06 16 33)*		
06 16 33 00-0051		Particle Board Floor Decking *(06 16 33 00-0050)*		
		Note: Includes patching of seams and all fastener holes where necessary.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0052	SF	3/8" Particle Board Floor Decking Note: Applied to plywood subfloor.	1.45	0.40
		For Fire Retardant Treatment Add	*0.41*	
		For >3,200 To 6,400, Deduct	*-0.02*	
		For >6,400 To 12,800, Deduct	*-0.03*	
		For >12,800, Deduct	*-0.04*	
		For Tongue And Groove, Add	*0.04*	
06 16 33 00-0053	SF	1/2" Particle Board Floor Decking Note: Applied to plywood subfloor.	1.69	0.40
		For Fire Retardant Treatment Add	*0.55*	
		For >3,200 To 6,400, Deduct	*-0.02*	
		For >6,400 To 12,800, Deduct	*-0.04*	
		For >12,800, Deduct	*-0.06*	
		For Tongue And Groove, Add	*0.05*	
06 16 33 00-0054	SF	5/8" Particle Board Floor Decking Note: Applied to plywood subfloor.	1.93	0.48
		For Fire Retardant Treatment Add	*0.70*	
		For >3,200 To 6,400, Deduct	*-0.03*	
		For >6,400 To 12,800, Deduct	*-0.04*	
		For >12,800, Deduct	*-0.07*	
		For Tongue And Groove, Add	*0.06*	
06 16 33 00-0055	SF	3/4" Particle Board Floor Decking Note: Applied to plywood subfloor.	2.13	0.48
		For Fire Retardant Treatment Add	*0.81*	
		For >3,200 To 6,400, Deduct	*-0.03*	
		For >6,400 To 12,800, Deduct	*-0.05*	
		For >12,800, Deduct	*-0.08*	
		For Tongue And Groove, Add	*0.07*	

06 16 43 Gypsum Sheathing *(06 16)*

06 16 43 00-0001 Exterior Gypsum Sheathing *(06 16 43)*

Note: Includes moisture resistant core and fiberglass mats on both sides and long edges.

06 16 43 00-0002	SF	1/2" Exterior Gypsum Sheathing (GP Dens-Glass Gold)	2.18	0.63
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.25*	
		For Ceiling Installation, Add	*0.13*	
		For >3,200 To 6,400, Deduct	*-0.02*	
		For >6,400 To 12,800, Deduct	*-0.04*	
		For >12,800, Deduct	*-0.06*	
		For Selective Replacement <400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add	*1.89*	
06 16 43 00-0003	SF	5/8" Exterior Gypsum Sheathing (GP Dens-Glass Gold)	2.36	0.79
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.27*	
		For Ceiling Installation, Add	*0.14*	
		For >3,200 To 6,400, Deduct	*-0.02*	
		For >6,400 To 12,800, Deduct	*-0.04*	
		For >12,800, Deduct	*-0.06*	
		For Selective Replacement <400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add	*2.03*	

06 17 Shop-Fabricated Structural Wood *(06 10)*

06 17 13 Laminated Veneer Lumber *(06 17)*

06 17 13 00-0001 Laminated Veneer Lumber (LVL) *(06 17 13)*

06 17 13 00-0002	LF	1-3/4" Wide x 5-1/2" Deep Laminated Veneer Lumber (LVL)	5.35	1.37
06 17 13 00-0003	LF	1-3/4" Wide x 7-1/4" Deep Laminated Veneer Lumber (LVL)	5.85	1.39
06 17 13 00-0004	LF	1-3/4" Wide x 9-1/2" Deep Laminated Veneer Lumber (LVL)	6.45	1.41
06 17 13 00-0005	LF	1-3/4" Wide x 11-7/8" Deep Laminated Veneer Lumber (LVL)	7.19	1.43
06 17 13 00-0006	LF	1-3/4" Wide x 14" Deep Laminated Veneer Lumber (LVL)	7.76	1.45
06 17 13 00-0007	LF	1-3/4" Wide x 16" Deep Laminated Veneer Lumber (LVL)	8.55	1.50
06 17 13 00-0008	LF	1-3/4" Wide x 18" Deep Laminated Veneer Lumber (LVL)	9.67	1.53
06 17 13 00-0009	LF	1-3/4" Wide x 24" Deep Laminated Veneer Lumber (LVL)	13.20	1.74

06 17 23 Parallel Strand Lumber *(06 17)*

06 17 23 00-0001 Laminated Strand Lumber (LSL) *(06 17 23)*

06 17 23 00-0002	LF	2" x 4" Laminated Strand Lumber (LSL)	1.84	0.63
06 17 23 00-0003	LF	2" x 6" Laminated Strand Lumber (LSL)	2.47	0.67

06 17 33 Wood I-Joists *(06 17)*

06 17 33 00-0001 Prefabricated Wood I-Joists *(06 17 33)*

06 17 33 00-0002	LF	9-1/2" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	3.38	0.92
		For I-Joists 30' To 40' In Length, Add	*0.40*	
		For I-Joists >40' In Length, Add	*0.99*	
06 17 33 00-0003	LF	11-7/8" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	3.64	1.02
		For I-Joists 30' To 40' In Length, Add	*0.45*	
		For I-Joists >40' In Length, Add	*1.10*	
06 17 33 00-0004	LF	14" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	4.26	1.15
		For I-Joists 30' To 40' In Length, Add	*0.51*	
		For I-Joists >40' In Length, Add	*1.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 33 00-0005	LF	16" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	4.79	1.28
		For I-Joists 30' To 40' In Length, Add	*0.56*	
		For I-Joists >40' In Length, Add	*1.38*	

06 17 43 Rim Boards *(06 17)*

06 17 43 00-0001 Rim Boards *(06 17 43)*

06 17 43 00-0002	LF	1-1/8" Wide x 9-1/2" Deep Rim Board	4.37	1.41
06 17 43 00-0003	LF	1-1/8" Wide x 11-7/8" Deep Rim Board	4.76	1.43
06 17 43 00-0004	LF	1-1/8" Wide x 14" Deep Rim Board	5.25	1.45

06 17 53 Shop-Fabricated Wood Trusses *(06 17)*

06 17 53 00-0001 Pre-Assembled Wood Roof Trusses *(06 17 53)*

Note: For King Post, Queen Post, Fink or Howe types. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.

06 17 53 00-0002	EA	10' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	135.45	53.51
		For Up To 15, Add	*2.13*	
		For >35, Deduct	*-1.42*	
		For 3 In 12 Slope, Add	*0.85*	
		For 5 In 12 Slope, Add	*2.27*	
		For 6 In 12 Slope, Add	*4.26*	
		For 7 In 12 Slope, Add	*5.69*	
		For 8 In 12 Slope, Add	*6.82*	
06 17 53 00-0003	EA	12' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	150.42	58.60
		For Up To 15, Add	*2.49*	
		For >35, Deduct	*-1.66*	
		For 3 In 12 Slope, Add	*1.00*	
		For 5 In 12 Slope, Add	*2.66*	
		For 6 In 12 Slope, Add	*4.98*	
		For 7 In 12 Slope, Add	*6.64*	
		For 8 In 12 Slope, Add	*7.97*	
06 17 53 00-0004	EA	14' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	167.36	63.71
		For Up To 15, Add	*3.00*	
		For >35, Deduct	*-2.00*	
		For 3 In 12 Slope, Add	*1.20*	
		For 5 In 12 Slope, Add	*3.20*	
		For 6 In 12 Slope, Add	*5.99*	
		For 7 In 12 Slope, Add	*7.99*	
		For 8 In 12 Slope, Add	*9.59*	
06 17 53 00-0005	EA	16' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	189.52	68.80
		For Up To 15, Add	*3.89*	
		For >35, Deduct	*-2.60*	
		For 3 In 12 Slope, Add	*1.56*	
		For 5 In 12 Slope, Add	*4.15*	
		For 6 In 12 Slope, Add	*7.79*	
		For 7 In 12 Slope, Add	*10.38*	
		For 8 In 12 Slope, Add	*12.46*	
06 17 53 00-0006	EA	18' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	208.68	73.90
		For Up To 15, Add	*4.57*	
		For >35, Deduct	*-3.04*	
		For 3 In 12 Slope, Add	*1.83*	
		For 5 In 12 Slope, Add	*4.87*	
		For 6 In 12 Slope, Add	*9.13*	
		For 7 In 12 Slope, Add	*12.18*	
		For 8 In 12 Slope, Add	*14.61*	
06 17 53 00-0007	EA	20' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	219.93	81.55
		For Up To 15, Add	*4.26*	
		For >35, Deduct	*-2.84*	
		For 3 In 12 Slope, Add	*1.71*	
		For 5 In 12 Slope, Add	*4.55*	
		For 6 In 12 Slope, Add	*8.53*	
		For 7 In 12 Slope, Add	*11.37*	
		For 8 In 12 Slope, Add	*13.64*	
06 17 53 00-0008	EA	22' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	231.79	129.96
		For Up To 15, Add	*4.39*	
		For >35, Deduct	*-2.93*	
		For 3 In 12 Slope, Add	*1.76*	
		For 5 In 12 Slope, Add	*4.68*	
		For 6 In 12 Slope, Add	*8.78*	
		For 7 In 12 Slope, Add	*11.70*	
		For 8 In 12 Slope, Add	*14.04*	
06 17 53 00-0009	EA	24' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	246.94	91.74
		For Up To 15, Add	*4.76*	
		For >35, Deduct	*-3.17*	
		For 3 In 12 Slope, Add	*1.90*	
		For 5 In 12 Slope, Add	*5.08*	
		For 6 In 12 Slope, Add	*9.52*	
		For 7 In 12 Slope, Add	*12.69*	
		For 8 In 12 Slope, Add	*15.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0010	EA	26' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	262.62	145.24
		For Up To 15, Add	*5.17*	
		For >35, Deduct	*-3.45*	
		For 3 In 12 Slope, Add	*2.07*	
		For 5 In 12 Slope, Add	*5.52*	
		For 6 In 12 Slope, Add	*10.34*	
		For 7 In 12 Slope, Add	*13.79*	
		For 8 In 12 Slope, Add	*16.55*	
06 17 53 00-0011	EA	28' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	279.04	101.92
		For Up To 15, Add	*5.64*	
		For >35, Deduct	*-3.76*	
		For 3 In 12 Slope, Add	*2.26*	
		For 5 In 12 Slope, Add	*6.01*	
		For 6 In 12 Slope, Add	*11.28*	
		For 7 In 12 Slope, Add	*15.04*	
		For 8 In 12 Slope, Add	*18.04*	
06 17 53 00-0012	EA	30' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	291.61	160.54
		For Up To 15, Add	*5.82*	
		For >35, Deduct	*-3.88*	
		For 3 In 12 Slope, Add	*2.33*	
		For 5 In 12 Slope, Add	*6.20*	
		For 6 In 12 Slope, Add	*11.63*	
		For 7 In 12 Slope, Add	*15.51*	
		For 8 In 12 Slope, Add	*18.61*	
06 17 53 00-0013	EA	32' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	304.45	109.57
		For Up To 15, Add	*6.40*	
		For >35, Deduct	*-4.27*	
		For 3 In 12 Slope, Add	*2.56*	
		For 5 In 12 Slope, Add	*6.82*	
		For 6 In 12 Slope, Add	*12.80*	
		For 7 In 12 Slope, Add	*17.06*	
		For 8 In 12 Slope, Add	*20.47*	
06 17 53 00-0014	EA	34' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	331.63	172.05
		For Up To 15, Add	*7.67*	
		For >35, Deduct	*-5.12*	
		For 3 In 12 Slope, Add	*3.07*	
		For 5 In 12 Slope, Add	*8.18*	
		For 6 In 12 Slope, Add	*15.35*	
		For 7 In 12 Slope, Add	*20.46*	
		For 8 In 12 Slope, Add	*24.55*	
06 17 53 00-0015	EA	36' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	344.79	117.22
		For Up To 15, Add	*8.28*	
		For >35, Deduct	*-5.52*	
		For 3 In 12 Slope, Add	*3.31*	
		For 5 In 12 Slope, Add	*8.83*	
		For 6 In 12 Slope, Add	*16.55*	
		For 7 In 12 Slope, Add	*22.07*	
		For 8 In 12 Slope, Add	*26.48*	
06 17 53 00-0016	EA	38' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	362.51	183.47
		For Up To 15, Add	*8.84*	
		For >35, Deduct	*-5.89*	
		For 3 In 12 Slope, Add	*3.54*	
		For 5 In 12 Slope, Add	*9.43*	
		For 6 In 12 Slope, Add	*17.68*	
		For 7 In 12 Slope, Add	*23.58*	
		For 8 In 12 Slope, Add	*28.29*	
06 17 53 00-0017	EA	40' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	375.23	127.41
		For Up To 15, Add	*9.03*	
		For >35, Deduct	*-6.02*	
		For 3 In 12 Slope, Add	*3.61*	
		For 5 In 12 Slope, Add	*9.63*	
		For 6 In 12 Slope, Add	*18.06*	
		For 7 In 12 Slope, Add	*24.08*	
		For 8 In 12 Slope, Add	*28.90*	
06 17 53 00-0018	EA	42' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	410.89	198.75
		For Up To 15, Add	*10.94*	
		For >35, Deduct	*-7.29*	
		For 3 In 12 Slope, Add	*4.38*	
		For 5 In 12 Slope, Add	*11.67*	
		For 6 In 12 Slope, Add	*21.88*	
		For 7 In 12 Slope, Add	*29.17*	
		For 8 In 12 Slope, Add	*35.01*	
06 17 53 00-0019	EA	44' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	445.85	137.60
		For Up To 15, Add	*12.80*	
		For >35, Deduct	*-8.53*	
		For 3 In 12 Slope, Add	*5.12*	
		For 5 In 12 Slope, Add	*13.65*	
		For 6 In 12 Slope, Add	*25.60*	
		For 7 In 12 Slope, Add	*34.13*	
		For 8 In 12 Slope, Add	*40.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0020	EA	46' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	461.53	142.70
		For Up To 15, Add	*13.21*	
		For >35, Deduct	*-8.81*	
		For 3 In 12 Slope, Add	*5.28*	
		For 5 In 12 Slope, Add	*14.09*	
		For 6 In 12 Slope, Add	*26.42*	
		For 7 In 12 Slope, Add	*35.23*	
		For 8 In 12 Slope, Add	*42.27*	
06 17 53 00-0021	EA	48' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	483.87	147.80
		For Up To 15, Add	*14.12*	
		For >35, Deduct	*-9.41*	
		For 3 In 12 Slope, Add	*5.65*	
		For 5 In 12 Slope, Add	*15.06*	
		For 6 In 12 Slope, Add	*28.24*	
		For 7 In 12 Slope, Add	*37.66*	
		For 8 In 12 Slope, Add	*45.19*	
06 17 53 00-0022	EA	50' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	546.79	152.89
		For Up To 15, Add	*18.08*	
		For >35, Deduct	*-12.05*	
		For 3 In 12 Slope, Add	*7.23*	
		For 5 In 12 Slope, Add	*19.28*	
		For 6 In 12 Slope, Add	*36.15*	
		For 7 In 12 Slope, Add	*48.20*	
		For 8 In 12 Slope, Add	*57.84*	
06 17 53 00-0023	EA	52' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	521.34	137.50
		For Up To 15, Add	*16.17*	
		For >35, Deduct	*-10.78*	
		For 3 In 12 Slope, Add	*6.47*	
		For 5 In 12 Slope, Add	*17.24*	
		For 6 In 12 Slope, Add	*32.33*	
		For 7 In 12 Slope, Add	*43.11*	
		For 8 In 12 Slope, Add	*51.73*	
06 17 53 00-0024	EA	54' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	547.04	160.54
		For Up To 15, Add	*16.95*	
		For >35, Deduct	*-11.30*	
		For 3 In 12 Slope, Add	*6.78*	
		For 5 In 12 Slope, Add	*18.08*	
		For 6 In 12 Slope, Add	*33.90*	
		For 7 In 12 Slope, Add	*45.19*	
		For 8 In 12 Slope, Add	*54.23*	
06 17 53 00-0025	EA	56' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	568.34	148.82
		For Up To 15, Add	*17.78*	
		For >35, Deduct	*-11.85*	
		For 3 In 12 Slope, Add	*7.11*	
		For 5 In 12 Slope, Add	*18.97*	
		For 6 In 12 Slope, Add	*35.56*	
		For 7 In 12 Slope, Add	*47.41*	
		For 8 In 12 Slope, Add	*56.90*	
06 17 53 00-0026	EA	58' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	586.60	168.18
		For Up To 15, Add	*18.77*	
		For >35, Deduct	*-12.51*	
		For 3 In 12 Slope, Add	*7.51*	
		For 5 In 12 Slope, Add	*20.02*	
		For 6 In 12 Slope, Add	*37.54*	
		For 7 In 12 Slope, Add	*50.05*	
		For 8 In 12 Slope, Add	*60.06*	
06 17 53 00-0027	EA	60' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	598.48	170.73
		For Up To 15, Add	*19.28*	
		For >35, Deduct	*-12.85*	
		For 3 In 12 Slope, Add	*7.71*	
		For 5 In 12 Slope, Add	*20.56*	
		For 6 In 12 Slope, Add	*38.55*	
		For 7 In 12 Slope, Add	*51.40*	
		For 8 In 12 Slope, Add	*61.68*	

06 17 53 00-0028 Pre-Assembled Wood Gable End Roof Trusses *(06 17 53)*

Note: 24" on center gable studs. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.

06 17 53 00-0029	EA	10' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	139.06	53.51
		For 3 In 12 Slope, Add	*0.96*	
		For 5 In 12 Slope, Add	*2.56*	
		For 6 In 12 Slope, Add	*4.81*	
		For 7 In 12 Slope, Add	*6.41*	
		For 8 In 12 Slope, Add	*7.69*	
		For 16" On Center Gable Studs, Add	*6.41*	
06 17 53 00-0030	EA	12' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	154.64	58.60
		For 3 In 12 Slope, Add	*1.12*	
		For 5 In 12 Slope, Add	*2.99*	
		For 6 In 12 Slope, Add	*5.61*	
		For 7 In 12 Slope, Add	*7.48*	
		For 8 In 12 Slope, Add	*8.98*	
		For 16" On Center Gable Studs, Add	*7.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0031	EA	14' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	172.44	63.71
		For 3 In 12 Slope, Add	*1.35*	
		For 5 In 12 Slope, Add	*3.60*	
		For 6 In 12 Slope, Add	*6.75*	
		For 7 In 12 Slope, Add	*9.01*	
		For 8 In 12 Slope, Add	*10.81*	
		For 16" On Center Gable Studs, Add	*9.01*	
06 17 53 00-0032	EA	16' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	196.12	68.80
		For 3 In 12 Slope, Add	*1.76*	
		For 5 In 12 Slope, Add	*4.68*	
		For 6 In 12 Slope, Add	*8.78*	
		For 7 In 12 Slope, Add	*11.70*	
		For 8 In 12 Slope, Add	*14.04*	
		For 16" On Center Gable Studs, Add	*11.70*	
06 17 53 00-0033	EA	18' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	216.42	73.90
		For 3 In 12 Slope, Add	*2.06*	
		For 5 In 12 Slope, Add	*5.49*	
		For 6 In 12 Slope, Add	*10.29*	
		For 7 In 12 Slope, Add	*13.72*	
		For 8 In 12 Slope, Add	*16.47*	
		For 16" On Center Gable Studs, Add	*13.72*	
06 17 53 00-0034	EA	20' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	235.29	81.55
		For 3 In 12 Slope, Add	*2.17*	
		For 5 In 12 Slope, Add	*5.78*	
		For 6 In 12 Slope, Add	*10.83*	
		For 7 In 12 Slope, Add	*14.44*	
		For 8 In 12 Slope, Add	*17.33*	
		For 16" On Center Gable Studs, Add	*14.44*	
06 17 53 00-0035	EA	22' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	247.59	86.64
		For 3 In 12 Slope, Add	*2.23*	
		For 5 In 12 Slope, Add	*5.94*	
		For 6 In 12 Slope, Add	*11.15*	
		For 7 In 12 Slope, Add	*14.86*	
		For 8 In 12 Slope, Add	*17.83*	
		For 16" On Center Gable Studs, Add	*14.86*	
06 17 53 00-0036	EA	24' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	264.08	91.74
		For 3 In 12 Slope, Add	*2.42*	
		For 5 In 12 Slope, Add	*6.45*	
		For 6 In 12 Slope, Add	*12.09*	
		For 7 In 12 Slope, Add	*16.12*	
		For 8 In 12 Slope, Add	*19.35*	
		For 16" On Center Gable Studs, Add	*16.12*	
06 17 53 00-0037	EA	26' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	281.25	96.83
		For 3 In 12 Slope, Add	*2.63*	
		For 5 In 12 Slope, Add	*7.01*	
		For 6 In 12 Slope, Add	*13.14*	
		For 7 In 12 Slope, Add	*17.52*	
		For 8 In 12 Slope, Add	*21.02*	
		For 16" On Center Gable Studs, Add	*17.52*	
06 17 53 00-0038	EA	28' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	299.35	101.92
		For 3 In 12 Slope, Add	*2.86*	
		For 5 In 12 Slope, Add	*7.64*	
		For 6 In 12 Slope, Add	*14.32*	
		For 7 In 12 Slope, Add	*19.10*	
		For 8 In 12 Slope, Add	*22.92*	
		For 16" On Center Gable Studs, Add	*19.10*	
06 17 53 00-0039	EA	30' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	313.40	107.02
		For 3 In 12 Slope, Add	*2.98*	
		For 5 In 12 Slope, Add	*7.95*	
		For 6 In 12 Slope, Add	*14.90*	
		For 7 In 12 Slope, Add	*19.87*	
		For 8 In 12 Slope, Add	*23.84*	
		For 16" On Center Gable Studs, Add	*19.87*	
06 17 53 00-0040	EA	32' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	328.43	109.57
		For 3 In 12 Slope, Add	*3.28*	
		For 5 In 12 Slope, Add	*8.74*	
		For 6 In 12 Slope, Add	*16.39*	
		For 7 In 12 Slope, Add	*21.86*	
		For 8 In 12 Slope, Add	*26.23*	
		For 16" On Center Gable Studs, Add	*21.86*	
06 17 53 00-0041	EA	34' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	360.36	114.67
		For 3 In 12 Slope, Add	*3.93*	
		For 5 In 12 Slope, Add	*10.48*	
		For 6 In 12 Slope, Add	*19.65*	
		For 7 In 12 Slope, Add	*26.21*	
		For 8 In 12 Slope, Add	*31.45*	
		For 16" On Center Gable Studs, Add	*26.21*	
06 17 53 00-0042	EA	36' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	375.80	117.22
		For 3 In 12 Slope, Add	*4.24*	
		For 5 In 12 Slope, Add	*11.31*	
		For 6 In 12 Slope, Add	*21.20*	
		For 7 In 12 Slope, Add	*28.27*	
		For 8 In 12 Slope, Add	*33.93*	
		For 16" On Center Gable Studs, Add	*28.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0043	EA	38' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	395.64	122.31
		For 3 In 12 Slope, Add	*4.53*	
		For 5 In 12 Slope, Add	*12.08*	
		For 6 In 12 Slope, Add	*22.65*	
		For 7 In 12 Slope, Add	*30.20*	
		For 8 In 12 Slope, Add	*36.24*	
		For 16" On Center Gable Studs, Add	*30.20*	
06 17 53 00-0044	EA	40' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	418.78	127.41
		For 3 In 12 Slope, Add	*4.92*	
		For 5 In 12 Slope, Add	*13.12*	
		For 6 In 12 Slope, Add	*24.59*	
		For 7 In 12 Slope, Add	*32.79*	
		For 8 In 12 Slope, Add	*39.35*	
		For 16" On Center Gable Studs, Add	*32.79*	
06 17 53 00-0045	EA	42' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	463.65	132.50
		For 3 In 12 Slope, Add	*5.96*	
		For 5 In 12 Slope, Add	*15.89*	
		For 6 In 12 Slope, Add	*29.79*	
		For 7 In 12 Slope, Add	*39.73*	
		For 8 In 12 Slope, Add	*47.67*	
		For 16" On Center Gable Studs, Add	*39.73*	
06 17 53 00-0046	EA	44' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	507.57	137.60
		For 3 In 12 Slope, Add	*6.97*	
		For 5 In 12 Slope, Add	*18.59*	
		For 6 In 12 Slope, Add	*34.85*	
		For 7 In 12 Slope, Add	*46.47*	
		For 8 In 12 Slope, Add	*55.77*	
		For 16" On Center Gable Studs, Add	*46.47*	
06 17 53 00-0047	EA	46' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	525.25	142.70
		For 3 In 12 Slope, Add	*7.20*	
		For 5 In 12 Slope, Add	*19.19*	
		For 6 In 12 Slope, Add	*35.98*	
		For 7 In 12 Slope, Add	*47.97*	
		For 8 In 12 Slope, Add	*57.56*	
		For 16" On Center Gable Studs, Add	*47.97*	
06 17 53 00-0048	EA	48' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	551.96	147.80
		For 3 In 12 Slope, Add	*7.69*	
		For 5 In 12 Slope, Add	*20.51*	
		For 6 In 12 Slope, Add	*38.46*	
		For 7 In 12 Slope, Add	*51.27*	
		For 8 In 12 Slope, Add	*61.53*	
		For 16" On Center Gable Studs, Add	*51.27*	
06 17 53 00-0049	EA	50' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	599.96	152.89
		For 3 In 12 Slope, Add	*8.83*	
		For 5 In 12 Slope, Add	*23.53*	
		For 6 In 12 Slope, Add	*44.13*	
		For 7 In 12 Slope, Add	*58.84*	
		For 8 In 12 Slope, Add	*70.60*	
		For 16" On Center Gable Studs, Add	*58.84*	
06 17 53 00-0050	EA	52' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	614.08	157.99
		For 3 In 12 Slope, Add	*8.94*	
		For 5 In 12 Slope, Add	*23.85*	
		For 6 In 12 Slope, Add	*44.72*	
		For 7 In 12 Slope, Add	*59.62*	
		For 8 In 12 Slope, Add	*71.55*	
		For 16" On Center Gable Studs, Add	*59.62*	
06 17 53 00-0051	EA	54' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	633.58	160.54
		For 3 In 12 Slope, Add	*9.38*	
		For 5 In 12 Slope, Add	*25.00*	
		For 6 In 12 Slope, Add	*46.88*	
		For 7 In 12 Slope, Add	*62.50*	
		For 8 In 12 Slope, Add	*75.00*	
		For 16" On Center Gable Studs, Add	*62.50*	
06 17 53 00-0052	EA	56' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	659.14	165.63
		For 3 In 12 Slope, Add	*9.84*	
		For 5 In 12 Slope, Add	*26.23*	
		For 6 In 12 Slope, Add	*49.18*	
		For 7 In 12 Slope, Add	*65.57*	
		For 8 In 12 Slope, Add	*78.69*	
		For 16" On Center Gable Studs, Add	*65.57*	
06 17 53 00-0053	EA	58' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	682.42	168.18
		For 3 In 12 Slope, Add	*10.38*	
		For 5 In 12 Slope, Add	*27.68*	
		For 6 In 12 Slope, Add	*51.91*	
		For 7 In 12 Slope, Add	*69.21*	
		For 8 In 12 Slope, Add	*83.05*	
		For 16" On Center Gable Studs, Add	*69.21*	
06 17 53 00-0054	EA	60' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	696.90	170.73
		For 3 In 12 Slope, Add	*10.66*	
		For 5 In 12 Slope, Add	*28.44*	
		For 6 In 12 Slope, Add	*53.32*	
		For 7 In 12 Slope, Add	*71.09*	
		For 8 In 12 Slope, Add	*85.31*	
		For 16" On Center Gable Studs, Add	*71.09*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

06 18 Glued-Laminated Construction *(06 10)*

06 18 13 Glued-Laminated Beams *(06 18)*

06 18 13 00-0001 Glue Laminated Straight Beams *(06 18 13)*

Note: Based on southern yellow pine or hemlock lumber with waterproof glue and factor applied sealer.

06 18 13 00-0002	LF	3-1/2" x 6" Glue Laminated Straight Beam	6.81	2.12
06 18 13 00-0003	LF	3-1/2" x 7-1/2" Glue Laminated Straight Beam	8.51	2.65
06 18 13 00-0004	LF	3-1/2" x 9" Glue Laminated Straight Beam	10.22	3.18
06 18 13 00-0005	LF	3-1/2" x 9-1/2" Glue Laminated Straight Beam	10.78	3.36
06 18 13 00-0006	LF	3-1/2" x 10-1/2" Glue Laminated Straight Beam	11.91	3.70
06 18 13 00-0007	LF	3-1/2" x 12" Glue Laminated Straight Beam	13.62	4.23
06 18 13 00-0008	LF	3-1/2" x 13-1/2" Glue Laminated Straight Beam	15.34	4.76
06 18 13 00-0009	LF	3-1/2" x 14" Glue Laminated Straight Beam	15.89	4.94
06 18 13 00-0010	LF	3-1/2" x 15" Glue Laminated Straight Beam	17.03	5.30
06 18 13 00-0011	LF	3-1/2" x 16" Glue Laminated Straight Beam	18.16	5.65
06 18 13 00-0012	LF	3-1/2" x 16-1/2" Glue Laminated Straight Beam	18.73	5.83
06 18 13 00-0013	LF	3-1/2" x 18" Glue Laminated Straight Beam	20.43	6.36
06 18 13 00-0014	LF	3-1/2" x 19-1/2" Glue Laminated Straight Beam	22.13	6.89
06 18 13 00-0015	LF	3-1/2" x 21" Glue Laminated Straight Beam	23.84	7.42
06 18 13 00-0016	LF	3-1/2" x 22.5" Glue Laminated Straight Beam	25.54	7.95
06 18 13 00-0017	LF	5-1/2" x 6" Glue Laminated Straight Beam	10.70	3.33
06 18 13 00-0018	LF	5-1/2" x 7-1/2" Glue Laminated Straight Beam	13.38	4.16
06 18 13 00-0019	LF	5-1/2" x 9" Glue Laminated Straight Beam	16.05	5.00
06 18 13 00-0020	LF	5-1/2" x 9-1/2" Glue Laminated Straight Beam	16.95	5.27
06 18 13 00-0021	LF	5-1/2" x 10-1/2" Glue Laminated Straight Beam	18.73	5.83
06 18 13 00-0022	LF	5-1/2" x 12" Glue Laminated Straight Beam	21.40	6.66
06 18 13 00-0023	LF	5-1/2" x 13-1/2" Glue Laminated Straight Beam	24.08	7.50
06 18 13 00-0024	LF	5-1/2" x 14" Glue Laminated Straight Beam	24.97	7.77
06 18 13 00-0025	LF	5-1/2" x 15" Glue Laminated Straight Beam	26.76	8.32
06 18 13 00-0026	LF	5-1/2" x 16" Glue Laminated Straight Beam	28.53	8.87
06 18 13 00-0027	LF	5-1/2" x 16-1/2" Glue Laminated Straight Beam	29.44	9.16
06 18 13 00-0028	LF	5-1/2" x 18" Glue Laminated Straight Beam	32.11	9.99
06 18 13 00-0029	LF	5-1/2" x 19-1/2" Glue Laminated Straight Beam	34.79	10.82
06 18 13 00-0030	LF	5-1/2" x 21" Glue Laminated Straight Beam	37.47	11.65
06 18 13 00-0031	LF	5-1/2" x 22.5" Glue Laminated Straight Beam	40.13	12.49
06 18 13 00-0032	LF	5-1/2" x 24" Glue Laminated Straight Beam	42.82	13.32
06 18 13 00-0033	LF	6-3/4" x 9" Glue Laminated Straight Beam	19.71	6.13
06 18 13 00-0034	LF	6-3/4" x 9-1/2" Glue Laminated Straight Beam	20.79	6.47
06 18 13 00-0035	LF	6-3/4" x 10-1/2" Glue Laminated Straight Beam	22.99	7.15
06 18 13 00-0036	LF	6-3/4" x 12" Glue Laminated Straight Beam	26.28	8.17
06 18 13 00-0037	LF	6-3/4" x 13-1/2" Glue Laminated Straight Beam	29.57	9.19
06 18 13 00-0038	LF	6-3/4" x 14" Glue Laminated Straight Beam	30.64	9.54
06 18 13 00-0039	LF	6-3/4" x 15" Glue Laminated Straight Beam	32.84	10.22
06 18 13 00-0040	LF	6-3/4" x 16" Glue Laminated Straight Beam	35.02	10.89
06 18 13 00-0041	LF	6-3/4" x 16-1/2" Glue Laminated Straight Beam	36.13	11.24
06 18 13 00-0042	LF	6-3/4" x 18" Glue Laminated Straight Beam	39.41	12.26
06 18 13 00-0043	LF	6-3/4" x 19-1/2" Glue Laminated Straight Beam	42.69	13.29
06 18 13 00-0044	LF	6-3/4" x 21" Glue Laminated Straight Beam	45.98	14.30
06 18 13 00-0045	LF	6-3/4" x 22.5" Glue Laminated Straight Beam	49.25	15.32
06 18 13 00-0046	LF	6-3/4" x 24" Glue Laminated Straight Beam	52.54	16.35
06 18 13 00-0047	LF	8-3/4" x 9" Glue Laminated Straight Beam	25.54	7.95
06 18 13 00-0048	LF	8-3/4" x 9-1/2" Glue Laminated Straight Beam	26.96	8.38
06 18 13 00-0049	LF	8-3/4" x 10-1/2" Glue Laminated Straight Beam	29.79	9.27
06 18 13 00-0050	LF	8-3/4" x 12" Glue Laminated Straight Beam	34.04	10.59
06 18 13 00-0051	LF	8-3/4" x 13-1/2" Glue Laminated Straight Beam	38.31	11.91
06 18 13 00-0052	LF	8-3/4" x 14" Glue Laminated Straight Beam	39.73	12.36
06 18 13 00-0053	LF	8-3/4" x 15" Glue Laminated Straight Beam	42.57	13.24
06 18 13 00-0054	LF	8-3/4" x 16" Glue Laminated Straight Beam	45.41	14.12
06 18 13 00-0055	LF	8-3/4" x 16-1/2" Glue Laminated Straight Beam	46.82	14.56
06 18 13 00-0056	LF	8-3/4" x 18" Glue Laminated Straight Beam	51.08	15.89
06 18 13 00-0057	LF	8-3/4" x 19-1/2" Glue Laminated Straight Beam	55.34	17.21
06 18 13 00-0058	LF	8-3/4" x 21" Glue Laminated Straight Beam	59.60	18.54
06 18 13 00-0059	LF	8-3/4" x 22.5" Glue Laminated Straight Beam	63.85	19.87
06 18 13 00-0060	LF	8-3/4" x 24" Glue Laminated Straight Beam	68.11	21.19

06 18 13 00-0061 Glue Laminated Decking *(06 18 13)*

06 18 13 00-0062	LF	2" - 4" Thick x 4" Wide Glue Laminated Decking	3.49	1.35
06 18 13 00-0063	LF	2" - 4" Thick x 6" Wide Glue Laminated Decking	3.59	1.35
06 18 13 00-0064	LF	2" - 4" Thick x 8" Wide Glue Laminated Decking	3.70	1.28

06 18 16 Glued-Laminated Columns *(06 18)*

06 18 16 00-0001 Glue Laminated Structural Units *(06 18 16)*

Note: Based on southern yellow pine or hemlock lumber in 2" laminations with waterproof glue and factor applied sealer.

06 18 16 00-0002	LF	3-1/4" x 7-1/2" Glue Laminated Purlin Or Column	10.28	2.76
06 18 16 00-0003	LF	3-1/4" x 9-1/4" Glue Laminated Purlin Or Column	11.59	3.07
06 18 16 00-0004	LF	5-1/4" x 9-1/4" Glue Laminated Purlin Or Column	21.78	6.55

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 18 16 00-0005	LF	5-1/4" x 13" Glue Laminated Purlin Or Column	23.93	6.87

06 20 Finish Carpentry *(06)*

06 22 Millwork *(06 20)*

06 22 13 Standard Pattern Wood Trim *(06 22)*

06 22 13 00-0001 Pine Moldings (All Dimensions Are Nominal) *(06 22 13)*

06 22 13 00-0002	LF	1/4" x 1-1/4" Wood Lattice Strip	1.92	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.29*	
06 22 13 00-0003	LF	1/4" x 1-5/8" Wood Lattice Strip	1.99	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.29*	
06 22 13 00-0004	LF	1/4" x 2-1/2" Wood Lattice Strip	2.41	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.29*	
06 22 13 00-0005	LF	1/4" x 3-1/2" Wood Lattice Strip	2.66	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.29*	

06 22 13 00-0006 Ceilings (All Dimensions Are Nominal) *(06 22 13)*

06 22 13 00-0007 White Pine *(06 22 13 00-0006)*

06 22 13 00-0008	LF	9/16" x 3-5/8" White Pine Crown Or Bed Molding	8.34	2.74
		For Birch, Add	*1.59*	
		For Mahogany, Oak, Maple Or Walnut, Add	*2.38*	
		For Poplar, Add	*0.89*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.90*	
		For Stain Grade Material (No Finger Joints), Add	*0.58*	
06 22 13 00-0009	LF	11/16" x 4-5/8" White Pine Crown Or Bed Molding	11.02	3.29
		For Birch, Add	*2.28*	
		For Mahogany, Oak, Maple Or Walnut, Add	*3.31*	
		For Poplar, Add	*1.26*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.08*	
		For Stain Grade Material (No Finger Joints), Add	*0.82*	
06 22 13 00-0010	LF	3/4" x 3/4" White Pine Crown Or Bed Molding	4.45	1.88
		For Birch, Add	*0.48*	
		For Mahogany, Oak, Maple Or Walnut, Add	*0.91*	
		For Poplar, Add	*0.26*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.72*	
		For Stain Grade Material (No Finger Joints), Add	*0.17*	
06 22 13 00-0011	LF	9/16" x 1-5/8" White Pine Crown Or Bed Molding	4.93	1.88
		For Birch, Add	*0.65*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.12*	
		For Poplar, Add	*0.36*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.72*	
		For Stain Grade Material (No Finger Joints), Add	*0.23*	
06 22 13 00-0012	LF	9/16" x 2-1/4" White Pine Crown Or Bed Molding	6.40	2.35
		For Birch, Add	*0.90*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.51*	
		For Poplar, Add	*0.50*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.90*	
		For Stain Grade Material (No Finger Joints), Add	*0.32*	
06 22 13 00-0013	LF	3/4" x 3-1/2" White Pine Crown Or Bed Molding	7.19	2.35
		For Birch, Add	*1.18*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.87*	
		For Poplar, Add	*0.66*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.90*	
		For Stain Grade Material (No Finger Joints), Add	*0.43*	
06 22 13 00-0014	LF	5/8" x 4-1/4" White Pine Crown Or Bed Molding	8.89	2.82
		For Birch, Add	*1.51*	
		For Mahogany, Oak, Maple Or Walnut, Add	*2.36*	
		For Poplar, Add	*0.84*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.08*	
		For Stain Grade Material (No Finger Joints), Add	*0.54*	
06 22 13 00-0015	LF	1" x 2" White Pine Dentil Molding	4.57	2.19
		For Birch, Add	*0.52*	
		For Mahogany, Oak, Maple Or Walnut, Add	*0.96*	
		For Poplar, Add	*0.29*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.72*	
		For Stain Grade Material (No Finger Joints), Add	*0.19*	
06 22 13 00-0016	LF	9/16" x 1-3/4" White Pine Cove Molding	3.77	1.64
		For Birch, Add	*0.51*	
		For Mahogany, Oak, Maple Or Walnut, Add	*0.87*	
		For Poplar, Add	*0.28*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.54*	
		For Stain Grade Material (No Finger Joints), Add	*0.18*	
06 22 13 00-0017	LF	11/16" x 2-3/4" White Pine Cove Molding	5.28	1.64
		For Birch, Add	*1.05*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.55*	
		For Poplar, Add	*0.59*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.54*	
		For Stain Grade Material (No Finger Joints), Add	*0.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 22 13 00-0018	LF	3/8" x 3/8" White Pine Cove Molding	2.30	0.94
		For Birch, Add	*0.24*	
		For Mahogany, Oak, Maple Or Walnut, Add	*0.46*	
		For Poplar, Add	*0.13*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.37*	
		For Stain Grade Material (No Finger Joints), Add	*0.09*	
06 22 13 00-0019	LF	1/2" x 1/2" White Pine Cove Molding	2.47	0.94
		For Birch, Add	*0.30*	
		For Mahogany, Oak, Maple Or Walnut, Add	*0.54*	
		For Poplar, Add	*0.17*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.37*	
		For Stain Grade Material (No Finger Joints), Add	*0.11*	
06 22 13 00-0020	LF	5/8" x 5/8" White Pine Cove Molding	3.23	1.18
		For Birch, Add	*0.46*	
		For Mahogany, Oak, Maple Or Walnut, Add	*0.77*	
		For Poplar, Add	*0.25*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.45*	
		For Stain Grade Material (No Finger Joints), Add	*0.17*	
06 22 13 00-0021	LF	3/4" x 3/4" White Pine Cove Molding	3.23	1.18
		For Birch, Add	*0.46*	
		For Mahogany, Oak, Maple Or Walnut, Add	*0.77*	
		For Poplar, Add	*0.25*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.45*	
		For Stain Grade Material (No Finger Joints), Add	*0.17*	
06 22 13 00-0022	LF	15/16" x 15/16" White Pine Cove Molding	4.00	1.18
		For Birch, Add	*0.73*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.11*	
		For Poplar, Add	*0.41*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.45*	
		For Stain Grade Material (No Finger Joints), Add	*0.27*	
06 22 13 00-0023	LF	7-1/2" Wide Mullion Covers	22.79	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.64*	
06 22 13 00-0024	LF	Three Piece Mullion Trim, 2 Cove Moldings	28.61	1.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.64*	
06 22 13 00-0025		Cedar Trim *(06 22 13 00-0006)*		
06 22 13 00-0026	LF	2" x 4" Cedar Ceiling Trim	7.85	3.95
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.31*	
06 22 13 00-0027		Oak Trim *(06 22 13 00-0006)*		
06 22 13 00-0028	LF	1" x 8" Clear Oak Ceiling Trim	7.96	3.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 22 13 00-0029		Closet Poles *(06 22 13)*		
06 22 13 00-0030	LF	1-1/8" Diameter Pine Closet Poles	5.77	2.03
06 22 13 00-0031	LF	1-5/8" Diameter Pine Closet Poles	7.84	2.03
06 22 13 00-0032	LF	2" Diameter Pine Closet Poles	10.17	2.27

06 25 Prefinished Paneling *(06 20)*

06 25 16 Prefinished Plywood Paneling *(06 25)*

06 25 16 00-0001 Hardboard Panels *(06 25 16)*
Note: Excludes furring and trim.

06 25 16 00-0002 Tempered Hardboard Panels *(06 25 16 00-0001)*

06 25 16 00-0003	SF	1/4" Tempered Hardboard Panels	4.00	1.42
		For Waterproof Glue, Add	*0.05*	
		For Ceiling Installation, Add	*0.97*	
		For Glue Laminated Installation, Add	*0.20*	
		For 1/8" Thick Paneling, Deduct	*-0.35*	
		For 1/2" Thick Paneling, Add	*0.80*	
		For 5/8" Thick Paneling, Add	*0.97*	
		For 3/4" Thick Paneling, Add	*1.17*	
		For Fire Retardant Treatment (Class I), Add	*0.61*	
06 25 16 00-0004	SF	1/4" Plastic Faced Tempered Hardboard Panels	4.49	1.74
		For Waterproof Glue, Add	*0.05*	
		For Ceiling Installation, Add	*1.14*	
		For Glue Laminated Installation, Add	*0.22*	
		For 1/8" Thick Paneling, Deduct	*-0.38*	
		For 1/2" Thick Paneling, Add	*0.83*	
		For 5/8" Thick Paneling, Add	*0.98*	
		For 3/4" Thick Paneling, Add	*1.17*	
		For Fire Retardant Treatment (Class I), Add	*0.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 25 16 00-0005	SF	1/4" Pegboard Tempered Hardboard Panels	4.53	1.42
		For Waterproof Glue, Add	*0.09*	
		For Ceiling Installation, Add	*0.97*	
		For Glue Laminated Installation, Add	*0.23*	
		For 1/8" Thick Paneling, Deduct	*-0.44*	
		For 1/2" Thick Paneling, Add	*1.09*	
		For 5/8" Thick Paneling, Add	*1.36*	
		For 3/4" Thick Paneling, Add	*1.71*	
		For Fire Retardant Treatment (Class I), Add	*1.03*	
06 25 16 00-0006	SF	1/4" Plastic Faced Pegboard Tempered Hardboard	4.65	1.74
		For Waterproof Glue, Add	*0.06*	
		For Ceiling Installation, Add	*1.14*	
		For Glue Laminated Installation, Add	*0.23*	
		For 1/8" Thick Paneling, Deduct	*-0.41*	
		For 1/2" Thick Paneling, Add	*0.92*	
		For 5/8" Thick Paneling, Add	*1.10*	
		For 3/4" Thick Paneling, Add	*1.33*	
		For Fire Retardant Treatment (Class I), Add	*0.68*	

06 25 16 00-0007 Untempered Hardboard Panels *(06 25 16 00-0001)*

06 25 16 00-0008	SF	1/4" Untempered Hardboard Panels	3.83	1.42
		For Waterproof Glue, Add	*0.04*	
		For Glue Laminated Installation, Add	*0.19*	
		For Lumber Core, Add	*0.07*	
		For Fire Retardant Treatment (Class I), Add	*0.47*	

06 40 Architectural Woodwork *(06)*

06 41 Architectural Wood Casework *(06 40)*

06 41 13 Wood-Veneer-Faced Architectural Cabinets *(06 41)*

06 41 13 00-0001 Wood-Veneer Faced Cabinets *(06 41 13)*

Note: AWI Custom Grade, good quality mill-made modular units, prefinished with solid hardwood face frames, hardwood door frames and drawer fronts, hardwood veneer on raised door panels (front and back), glued mortise, dowel, and dado joint construction, full backs (1/8" vinyl laminated plywood), vinyl laminated cabinet interiors, vinyl laminated composition drawer bodies with nylon and metal guides. Includes self-closing hinges, door and drawer pulls, mounting hardware and adjustable shelves. Use appropriate modifiers for the following grades: Economy Grade - Cabinets with melamine laminated to particleboard, in textured colors or wood grain print finish; Premium Grade - Cabinets with solid hardwood fronts and frames, mitered corners and solid wood drawer bodies with steel guides and ball bearings; Laboratory Grade - Cabinets with chemical resistant finish on premium grade.

06 41 13 00-0002 Base Cabinets *(06 41 13 00-0001)*

Note: Excludes tops or finish.

06 41 13 00-0003 Base Cabinets, Single Drawer And Single Door *(06 41 13 00-0002)*

06 41 13 00-0004 Base Cabinets 34-1/2" High x 24" Deep *(06 41 13 00-0003)*

06 41 13 00-0005	EA	Up To 15" Width, 34-1/2" High x 24" Deep Base Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.	280.75	44.65
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*43.42*	
		For 3 Drawer Unit, Add	*86.84*	
		For 4 Drawer Unit, Add	*108.55*	
		For Plastic Laminate On Particle Board, Deduct *Note: (Plastic Laminate On Hardwood For Doors)*	*-43.42*	
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-21.71*	
		For Economy Grade, Deduct	*-86.84*	
		For Premium Grade, Add	*108.55*	
		For Laboratory Grade, Add	*141.11*	
		For Unfinished (Natural, Wood), Deduct	*-32.56*	
06 41 13 00-0006	EA	>15" To 18" Width, 34-1/2" High x 24" Deep Base Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.	310.15	54.83
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*46.41*	
		For 3 Drawer Unit, Add	*92.83*	
		For 4 Drawer Unit, Add	*116.04*	
		For Plastic Laminate On Particle Board, Deduct *Note: (Plastic Laminate On Hardwood For Doors)*	*-46.41*	
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-23.21*	
		For Economy Grade, Deduct	*-92.83*	
		For Premium Grade, Add	*116.04*	
		For Laboratory Grade, Add	*150.85*	
		For Unfinished (Natural, Wood), Deduct	*-34.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0007	EA	>18" To 21" Width, 34-1/2" High x 24" Deep Base Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.	332.60	62.67
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*48.66*	
		For 3 Drawer Unit, Add	*97.32*	
		For 4 Drawer Unit, Add	*121.65*	
		For Plastic Laminate On Particle Board, Deduct *Note: (Plastic Laminate On Hardwood For Doors)*	*-48.66*	
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-24.33*	
		For Economy Grade, Deduct	*-97.32*	
		For Premium Grade, Add	*121.65*	
		For Laboratory Grade, Add	*158.15*	
		For Unfinished (Natural, Wood), Deduct	*-36.50*	
06 41 13 00-0008	EA	>21" To 24" Width, 34-1/2" High x 24" Deep Base Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.	381.05	72.86
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*55.45*	
		For 3 Drawer Unit, Add	*110.90*	
		For 4 Drawer Unit, Add	*138.63*	
		For Plastic Laminate On Particle Board, Deduct *Note: (Plastic Laminate On Hardwood For Doors)*	*-55.45*	
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-27.73*	
		For Economy Grade, Deduct	*-110.90*	
		For Premium Grade, Add	*138.63*	
		For Laboratory Grade, Add	*180.22*	
		For Unfinished (Natural, Wood), Deduct	*-41.59*	
06 41 13 00-0009		Base Cabinets 30" High x 24" Deep *(06 41 13 00-0003)*		
06 41 13 00-0010	EA	Up To 15" Width, 30" High x 24" Deep Base Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.	248.19	44.65
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*36.91*	
		For 3 Drawer Unit, Add	*73.81*	
		For 4 Drawer Unit, Add	*92.27*	
		For Plastic Laminate On Particle Board, Deduct *Note: (Plastic Laminate On Hardwood For Doors)*	*-36.91*	
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-18.45*	
		For Economy Grade, Deduct	*-73.81*	
		For Premium Grade, Add	*92.27*	
		For Laboratory Grade, Add	*119.94*	
		For Unfinished (Natural, Wood), Deduct	*-27.68*	
06 41 13 00-0011	EA	>15" To 18" Width, 30" High x 24" Deep Base Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.	275.34	54.83
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*39.45*	
		For 3 Drawer Unit, Add	*78.90*	
		For 4 Drawer Unit, Add	*98.63*	
		For Plastic Laminate On Particle Board, Deduct *Note: (Plastic Laminate On Hardwood For Doors)*	*-39.45*	
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-19.73*	
		For Economy Grade, Deduct	*-78.90*	
		For Premium Grade, Add	*98.63*	
		For Laboratory Grade, Add	*128.22*	
		For Unfinished (Natural, Wood), Deduct	*-29.59*	
06 41 13 00-0012	EA	>18" To 21" Width, 30" High x 24" Deep Base Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.	296.10	62.67
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*41.36*	
		For 3 Drawer Unit, Add	*82.72*	
		For 4 Drawer Unit, Add	*103.40*	
		For Plastic Laminate On Particle Board, Deduct *Note: (Plastic Laminate On Hardwood For Doors)*	*-41.36*	
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-20.68*	
		For Economy Grade, Deduct	*-82.72*	
		For Premium Grade, Add	*103.40*	
		For Laboratory Grade, Add	*134.42*	
		For Unfinished (Natural, Wood), Deduct	*-31.02*	
06 41 13 00-0013	EA	>21" To 24" Width, 30" High x 24" Deep Base Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.	339.46	72.07
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*47.13*	
		For 3 Drawer Unit, Add	*94.27*	
		For 4 Drawer Unit, Add	*117.84*	
		For Plastic Laminate On Particle Board, Deduct *Note: (Plastic Laminate On Hardwood For Doors)*	*-47.13*	
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-23.57*	
		For Economy Grade, Deduct	*-94.27*	
		For Premium Grade, Add	*117.84*	
		For Laboratory Grade, Add	*153.19*	
		For Unfinished (Natural, Wood), Deduct	*-35.35*	
06 41 13 00-0014		Base Cabinets 34-1/2" High x 24" Deep, Custom Built In Place *(06 41 13 00-0003)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0015	LF	Up To 15" Width, 34-1/2" High x 24" Deep Built In Place Base Cabinet	253.58	55.62
		Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*34.74*	
		For 3 Drawer Unit, Add	*69.47*	
		For 4 Drawer Unit, Add	*86.84*	
		For Plastic Laminate On Particle Board, Deduct	*-34.74*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-17.37*	
		For Economy Grade, Deduct	*-69.47*	
		For Premium Grade, Add	*86.84*	
		For Laboratory Grade, Add	*112.89*	
		For Unfinished (Natural, Wood), Deduct	*-26.05*	
06 41 13 00-0016	LF	>15" To 18" Width, 34-1/2" High x 24" Deep Built In Place Base Cabinet	232.26	54.05
		Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*30.94*	
		For 3 Drawer Unit, Add	*61.88*	
		For 4 Drawer Unit, Add	*77.36*	
		For Plastic Laminate On Particle Board, Deduct	*-30.94*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-15.47*	
		For Economy Grade, Deduct	*-61.88*	
		For Premium Grade, Add	*77.36*	
		For Laboratory Grade, Add	*100.56*	
		For Unfinished (Natural, Wood), Deduct	*-23.21*	
06 41 13 00-0017	LF	>18" To 24" Width, 34-1/2" High x 24" Deep Built In Place Base Cabinet	214.23	52.49
		Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*27.81*	
		For 3 Drawer Unit, Add	*55.61*	
		For 4 Drawer Unit, Add	*69.52*	
		For Plastic Laminate On Particle Board, Deduct	*-27.81*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-13.90*	
		For Economy Grade, Deduct	*-55.61*	
		For Premium Grade, Add	*69.52*	
		For Laboratory Grade, Add	*90.37*	
		For Unfinished (Natural, Wood), Deduct	*-20.85*	
06 41 13 00-0018	LF	>24" To 30" Width, 34-1/2" High x 24" Deep Built In Place Base Cabinet	197.32	50.13
		Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*25.05*	
		For 3 Drawer Unit, Add	*50.10*	
		For 4 Drawer Unit, Add	*62.63*	
		For Plastic Laminate On Particle Board, Deduct	*-25.05*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-12.53*	
		For Economy Grade, Deduct	*-50.10*	
		For Premium Grade, Add	*62.63*	
		For Laboratory Grade, Add	*81.41*	
		For Unfinished (Natural, Wood), Deduct	*-18.79*	

06 41 13 00-0019 Base Cabinets, Double Drawer And Double Door *(06 41 13 00-0002)*

06 41 13 00-0020 34-1/2" High x 24" Deep *(06 41 13 00-0019)*

06 41 13 00-0021	EA	24" To 27" Wide, 34-1/2" High x 24" Deep 2-Drawer/2-Door Cabinet	446.74	59.93
		Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*65.38*	
		For Plastic Laminate On Particle Board, Deduct	*-65.38*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-32.69*	
		For Economy Grade, Deduct	*-130.76*	
		For Premium Grade, Add	*163.45*	
		For Laboratory Grade, Add	*212.48*	
		For Unfinished (Natural, Wood), Deduct	*-49.03*	
		For 3 Drawer Unit, Add	*32.69*	
		For Sink Base With Sink Front (No Drawer), Deduct	*-49.03*	
06 41 13 00-0022	EA	>27"-30" Wide, 34-1/2" High x 24" Deep 2-Drawer/2-Door Cabinet	476.42	64.24
		Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*69.59*	
		For Plastic Laminate On Particle Board, Deduct	*-69.59*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-34.80*	
		For Economy Grade, Deduct	*-139.18*	
		For Premium Grade, Add	*173.98*	
		For Laboratory Grade, Add	*226.17*	
		For Unfinished (Natural, Wood), Deduct	*-52.19*	
		For 3 Drawer Unit, Add	*34.80*	
		For Sink Base With Sink Front (No Drawer), Deduct	*-52.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0023	EA	>30"-33" Wide, 34-1/2" High x 24" Deep 2-Drawer/2-Door Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.	495.92	65.80
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*72.86*	
		For Plastic Laminate On Particle Board, Deduct *Note: (Plastic Laminate On Hardwood For Doors)*	*-72.86*	
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-36.43*	
		For Economy Grade, Deduct	*-145.73*	
		For Premium Grade, Add	*182.16*	
		For Laboratory Grade, Add	*236.81*	
		For Unfinished (Natural, Wood), Deduct	*-54.65*	
		For 3 Drawer Unit, Add	*36.43*	
		For Sink Base With Sink Front (No Drawer), Deduct	*-54.65*	
06 41 13 00-0024	EA	>33"-36" Wide, 34-1/2" High x 24" Deep 2-Drawer/2-Door Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.	509.04	67.37
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*74.86*	
		For Plastic Laminate On Particle Board, Deduct *Note: (Plastic Laminate On Hardwood For Doors)*	*-74.86*	
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-37.43*	
		For Economy Grade, Deduct	*-149.72*	
		For Premium Grade, Add	*187.15*	
		For Laboratory Grade, Add	*243.30*	
		For Unfinished (Natural, Wood), Deduct	*-56.15*	
		For 3 Drawer Unit, Add	*37.43*	
		For Sink Base With Sink Front (No Drawer), Deduct	*-56.15*	
06 41 13 00-0025	EA	>36"-42" Wide, 34-1/2" High x 24" Deep 2-Drawer/2-Door Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.	544.95	72.86
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*79.85*	
		For Plastic Laminate On Particle Board, Deduct *Note: (Plastic Laminate On Hardwood For Doors)*	*-79.85*	
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-39.93*	
		For Economy Grade, Deduct	*-159.70*	
		For Premium Grade, Add	*199.63*	
		For Laboratory Grade, Add	*259.51*	
		For Unfinished (Natural, Wood), Deduct	*-59.89*	
		For 3 Drawer Unit, Add	*39.93*	
		For Sink Base With Sink Front (No Drawer), Deduct	*-59.89*	
06 41 13 00-0026	EA	>42"-48" Wide, 34-1/2" High x 24" Deep 2-Drawer/2-Door Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.	582.48	82.25
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*83.59*	
		For Plastic Laminate On Particle Board, Deduct *Note: (Plastic Laminate On Hardwood For Doors)*	*-83.59*	
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-41.80*	
		For Economy Grade, Deduct	*-167.19*	
		For Premium Grade, Add	*208.99*	
		For Laboratory Grade, Add	*271.68*	
		For Unfinished (Natural, Wood), Deduct	*-62.70*	
		For 3 Drawer Unit, Add	*41.80*	
		For Sink Base With Sink Front (No Drawer), Deduct	*-62.70*	
06 41 13 00-0027		**30" High x 24" Deep** *(06 41 13 00-0019)*		
06 41 13 00-0028	EA	24" Wide, 30" High x 24" Deep 2-Drawer/2-Door Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.	309.18	81.15
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*38.54*	
		For Plastic Laminate On Particle Board, Deduct *Note: (Plastic Laminate On Hardwood For Doors)*	*-38.54*	
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-19.27*	
		For Economy Grade, Deduct	*-77.07*	
		For Premium Grade, Add	*96.34*	
		For Laboratory Grade, Add	*125.24*	
		For Unfinished (Natural, Wood), Deduct	*-28.90*	
		For 3 Drawer Unit, Add	*19.27*	
		For Sink Base With Sink Front (No Drawer), Deduct	*-28.90*	
06 41 13 00-0029	EA	30" Wide, 30" High x 24" Deep 2-Drawer/2-Door Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.	438.18	90.47
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*61.95*	
		For Plastic Laminate On Particle Board, Deduct *Note: (Plastic Laminate On Hardwood For Doors)*	*-61.95*	
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-30.98*	
		For Economy Grade, Deduct	*-123.91*	
		For Premium Grade, Add	*154.89*	
		For Laboratory Grade, Add	*201.35*	
		For Unfinished (Natural, Wood), Deduct	*-46.47*	
		For 3 Drawer Unit, Add	*30.98*	
		For Sink Base With Sink Front (No Drawer), Deduct	*-46.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0030	EA	36" Wide, 30" High x 24" Deep 2-Drawer/2-Door Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.	506.34	93.77
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*74.26*	
		For Plastic Laminate On Particle Board, Deduct *Note: (Plastic Laminate On Hardwood For Doors)*	*-74.26*	
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-37.13*	
		For Economy Grade, Deduct	*-148.51*	
		For Premium Grade, Add	*185.64*	
		For Laboratory Grade, Add	*241.33*	
		For Unfinished (Natural, Wood), Deduct	*-55.69*	
		For 3 Drawer Unit, Add	*37.13*	
		For Sink Base With Sink Front (No Drawer), Deduct	*-55.69*	
06 41 13 00-0031	EA	42" Wide, 30" High x 24" Deep 2-Drawer/2-Door Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.	604.65	101.99
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*91.79*	
		For Plastic Laminate On Particle Board, Deduct *Note: (Plastic Laminate On Hardwood For Doors)*	*-91.79*	
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-45.89*	
		For Economy Grade, Deduct	*-183.58*	
		For Premium Grade, Add	*229.47*	
		For Laboratory Grade, Add	*298.31*	
		For Unfinished (Natural, Wood), Deduct	*-68.84*	
		For 3 Drawer Unit, Add	*45.89*	
		For Sink Base With Sink Front (No Drawer), Deduct	*-68.84*	
06 41 13 00-0032	EA	48" Wide, 30" High x 24" Deep 2-Drawer/2-Door Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.	686.07	115.15
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*104.31*	
		For Plastic Laminate On Particle Board, Deduct *Note: (Plastic Laminate On Hardwood For Doors)*	*-104.31*	
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-52.16*	
		For Economy Grade, Deduct	*-208.63*	
		For Premium Grade, Add	*260.79*	
		For Laboratory Grade, Add	*339.02*	
		For Unfinished (Natural, Wood), Deduct	*-78.24*	
		For 3 Drawer Unit, Add	*52.16*	
		For Sink Base With Sink Front (No Drawer), Deduct	*-78.24*	
06 41 13 00-0033		34-1/2" High x 24" Deep, Custom Built In Place *(06 41 13 00-0019)*		
06 41 13 00-0034	LF	24" To 30" Wide, 34-1/2" High x 24" Deep Built In Place 2-Drawer/2-Door Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.	215.95	54.05
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*27.84*	
		For Plastic Laminate On Particle Board, Deduct *Note: (Plastic Laminate On Hardwood For Doors)*	*-27.84*	
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-13.92*	
		For Economy Grade, Deduct	*-55.67*	
		For Premium Grade, Add	*69.59*	
		For Laboratory Grade, Add	*90.47*	
		For Unfinished (Natural, Wood), Deduct	*-20.88*	
		For 3 Drawer Unit, Add	*13.92*	
		For Sink Base With Sink Front (No Drawer), Deduct	*-20.88*	
06 41 13 00-0035	LF	>30" To 36" Wide, 34-1/2" High x 24" Deep Built In Place 2-Drawer/2-Door Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.	195.41	49.36
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*24.98*	
		For Plastic Laminate On Particle Board, Deduct *Note: (Plastic Laminate On Hardwood For Doors)*	*-24.98*	
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-12.49*	
		For Economy Grade, Deduct	*-49.96*	
		For Premium Grade, Add	*62.46*	
		For Laboratory Grade, Add	*81.19*	
		For Unfinished (Natural, Wood), Deduct	*-18.74*	
		For 3 Drawer Unit, Add	*12.49*	
		For Sink Base With Sink Front (No Drawer), Deduct	*-18.74*	
06 41 13 00-0036	LF	>36" To 42" Wide, 34-1/2" High x 24" Deep Built In Place 2-Drawer/2-Door Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.	179.89	46.21
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*22.82*	
		For Plastic Laminate On Particle Board, Deduct *Note: (Plastic Laminate On Hardwood For Doors)*	*-22.82*	
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-11.41*	
		For Economy Grade, Deduct	*-45.64*	
		For Premium Grade, Add	*57.05*	
		For Laboratory Grade, Add	*74.16*	
		For Unfinished (Natural, Wood), Deduct	*-17.11*	
		For 3 Drawer Unit, Add	*11.41*	
		For Sink Base With Sink Front (No Drawer), Deduct	*-17.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0037	LF	>42" To 48" Wide, 34-1/2" High x 24" Deep Built In Place 2-Drawer/2-Door Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.	167.20	43.87
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*20.91*	
		For Plastic Laminate On Particle Board, Deduct *Note: (Plastic Laminate On Hardwood For Doors)*	*-20.91*	
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-10.45*	
		For Economy Grade, Deduct	*-41.81*	
		For Premium Grade, Add	*52.27*	
		For Laboratory Grade, Add	*67.94*	
		For Unfinished (Natural, Wood), Deduct	*-15.68*	
		For 3 Drawer Unit, Add	*10.45*	
		For Sink Base With Sink Front (No Drawer), Deduct	*-15.68*	
06 41 13 00-0038		Vanity Bases *(06 41 13 00-0002)*		
06 41 13 00-0039	EA	30" High x 21" Deep x 24" Wide Vanity Bases, 2 Door Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.	348.01	58.28
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*46.30*	
		For Plastic Laminate On Particle Board, Deduct *Note: (Plastic Laminate On Hardwood For Doors)*	*-46.30*	
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-23.15*	
		For Economy Grade, Deduct	*-92.60*	
		For Premium Grade, Add	*115.76*	
		For Laboratory Grade, Add	*150.48*	
		For Unfinished (Natural, Wood), Deduct	*-34.73*	
06 41 13 00-0040	EA	30" High x 21" Deep x 30" Wide Vanity Bases, 2 Door Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.	394.58	64.86
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*53.23*	
		For Plastic Laminate On Particle Board, Deduct *Note: (Plastic Laminate On Hardwood For Doors)*	*-53.23*	
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-26.62*	
		For Economy Grade, Deduct	*-106.47*	
		For Premium Grade, Add	*133.09*	
		For Laboratory Grade, Add	*173.01*	
		For Unfinished (Natural, Wood), Deduct	*-39.93*	
06 41 13 00-0041	EA	30" High x 21" Deep x 36" Wide Vanity Bases, 2 Door Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.	491.34	67.53
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*71.26*	
		For Plastic Laminate On Particle Board, Deduct *Note: (Plastic Laminate On Hardwood For Doors)*	*-71.26*	
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-35.63*	
		For Economy Grade, Deduct	*-142.51*	
		For Premium Grade, Add	*178.14*	
		For Laboratory Grade, Add	*231.58*	
		For Unfinished (Natural, Wood), Deduct	*-53.44*	
06 41 13 00-0042	EA	30" High x 21" Deep x 48" Wide Vanity Bases, 2 Door Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.	587.25	82.25
		For ADA Cabinet Units (Includes All ADA Hardware), Add	*84.56*	
		For Plastic Laminate On Particle Board, Deduct *Note: (Plastic Laminate On Hardwood For Doors)*	*-84.56*	
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-42.28*	
		For Economy Grade, Deduct	*-169.13*	
		For Premium Grade, Add	*211.41*	
		For Laboratory Grade, Add	*274.83*	
		For Unfinished (Natural, Wood), Deduct	*-63.42*	
06 41 13 00-0043		Wall Cabinets *(06 41 13 00-0001)*		
06 41 13 00-0044		Wall Cabinets 36" High x 13" Deep *(06 41 13 00-0043)*		
06 41 13 00-0045		Single Door Type Units *(06 41 13 00-0044)*		
06 41 13 00-0046	EA	Up To 15" Wide, 36" High x 13" Deep Single Door Wall Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.	239.12	56.40
		For Plastic Laminate On Particle Board, Deduct *Note: (Plastic Laminate On Hardwood For Doors)*	*-33.73*	
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-16.86*	
		For Economy Grade, Deduct	*-67.45*	
		For Premium Grade, Add	*84.32*	
		For Laboratory Grade, Add	*109.61*	
		For Unfinished (Natural, Wood), Deduct	*-25.29*	
06 41 13 00-0047	EA	>15" To 18" Wide, 36" High x 13" Deep Single Door Wall Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.	268.58	57.57
		For Plastic Laminate On Particle Board, Deduct *Note: (Plastic Laminate On Hardwood For Doors)*	*-39.32*	
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-19.66*	
		For Economy Grade, Deduct	*-78.63*	
		For Premium Grade, Add	*98.29*	
		For Laboratory Grade, Add	*127.78*	
		For Unfinished (Natural, Wood), Deduct	*-29.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0048	EA	>18" To 24" Wide, 36" High x 13" Deep Single Door Wall Cabinet	299.14	59.53
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-44.92*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-22.46*	
		For Economy Grade, Deduct	*-89.83*	
		For Premium Grade, Add	*112.29*	
		For Laboratory Grade, Add	*145.98*	
		For Unfinished (Natural, Wood), Deduct	*-33.69*	
06 41 13 00-0049	EA	>24" To 30" Wide, 36" High x 13" Deep Single Door Wall Cabinet	350.38	64.24
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-53.90*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-26.95*	
		For Economy Grade, Deduct	*-107.80*	
		For Premium Grade, Add	*134.75*	
		For Laboratory Grade, Add	*175.18*	
		For Unfinished (Natural, Wood), Deduct	*-40.43*	
06 41 13 00-0050		Double Door Type Units *(06 41 13 00-0044)*		
06 41 13 00-0051	EA	Up To 24" Wide, 36" High x 13" Deep Double Door Wall Cabinet	308.08	65.80
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-44.98*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-22.49*	
		For Economy Grade, Deduct	*-89.96*	
		For Premium Grade, Add	*112.46*	
		For Laboratory Grade, Add	*146.19*	
		For Unfinished (Natural, Wood), Deduct	*-33.74*	
06 41 13 00-0052	EA	>24" To 30" Wide, 36" High x 13" Deep Double Door Wall Cabinet	362.16	72.07
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-54.50*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-27.25*	
		For Economy Grade, Deduct	*-109.00*	
		For Premium Grade, Add	*136.25*	
		For Laboratory Grade, Add	*177.12*	
		For Unfinished (Natural, Wood), Deduct	*-40.87*	
06 41 13 00-0053	EA	>30" To 36" Wide, 36" High x 13" Deep Double Door Wall Cabinet	403.35	73.63
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-62.28*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-31.14*	
		For Economy Grade, Deduct	*-124.57*	
		For Premium Grade, Add	*155.71*	
		For Laboratory Grade, Add	*202.42*	
		For Unfinished (Natural, Wood), Deduct	*-46.71*	
06 41 13 00-0054	EA	>36" To 42" Wide, 36" High x 13" Deep Double Door Wall Cabinet	437.01	76.38
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-68.27*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-34.14*	
		For Economy Grade, Deduct	*-136.54*	
		For Premium Grade, Add	*170.68*	
		For Laboratory Grade, Add	*221.88*	
		For Unfinished (Natural, Wood), Deduct	*-51.20*	
06 41 13 00-0055	EA	>42" To 48" Wide, 36" High x 13" Deep Double Door Wall Cabinet	485.21	79.90
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-76.96*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-38.48*	
		For Economy Grade, Deduct	*-153.91*	
		For Premium Grade, Add	*192.39*	
		For Laboratory Grade, Add	*250.11*	
		For Unfinished (Natural, Wood), Deduct	*-57.72*	
06 41 13 00-0056		Wall Cabinets 30" High x 13" Deep *(06 41 13 00-0043)*		
06 41 13 00-0057		Single Door Type Units *(06 41 13 00-0056)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0058	EA	Up To 12" Wide, 30" High x 13" Deep Single Door Wall Cabinet	188.60	44.55
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-26.45*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-13.23*	
		For Economy Grade, Deduct	*-52.90*	
		For Premium Grade, Add	*66.13*	
		For Laboratory Grade, Add	*85.96*	
		For Unfinished (Natural, Wood), Deduct	*-19.84*	
06 41 13 00-0059	EA	>12" To 15" Wide, 30" High x 13" Deep Single Door Wall Cabinet	213.46	46.47
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-30.94*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-15.47*	
		For Economy Grade, Deduct	*-61.88*	
		For Premium Grade, Add	*77.36*	
		For Laboratory Grade, Add	*100.56*	
		For Unfinished (Natural, Wood), Deduct	*-23.21*	
06 41 13 00-0060	EA	>15" To 18" Wide, 30" High x 13" Deep Single Door Wall Cabinet	230.95	47.45
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-34.19*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-17.09*	
		For Economy Grade, Deduct	*-68.37*	
		For Premium Grade, Add	*85.47*	
		For Laboratory Grade, Add	*111.10*	
		For Unfinished (Natural, Wood), Deduct	*-25.64*	
06 41 13 00-0061	EA	>18" To 24" Wide, 30" High x 13" Deep Single Door Wall Cabinet	249.28	49.14
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-37.43*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-18.72*	
		For Economy Grade, Deduct	*-74.86*	
		For Premium Grade, Add	*93.58*	
		For Laboratory Grade, Add	*121.65*	
		For Unfinished (Natural, Wood), Deduct	*-28.07*	

06 41 13 00-0062 Double Door Type Units *(06 41 13 00-0056)*

06 41 13 00-0063	EA	Up To 27" Wide, 30" High x 13" Deep Double Door Wall Cabinet	274.31	50.18
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-42.17*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-21.09*	
		For Economy Grade, Deduct	*-84.34*	
		For Premium Grade, Add	*105.43*	
		For Laboratory Grade, Add	*137.06*	
		For Unfinished (Natural, Wood), Deduct	*-31.63*	
06 41 13 00-0064	EA	>27" To 30" Wide, 30" High x 13" Deep Double Door Wall Cabinet	292.10	51.43
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-45.42*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-22.71*	
		For Economy Grade, Deduct	*-90.83*	
		For Premium Grade, Add	*113.54*	
		For Laboratory Grade, Add	*147.60*	
		For Unfinished (Natural, Wood), Deduct	*-34.06*	
06 41 13 00-0065	EA	>30" To 36" Wide, 30" High x 13" Deep Double Door Wall Cabinet	326.10	52.67
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-51.90*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-25.95*	
		For Economy Grade, Deduct	*-103.81*	
		For Premium Grade, Add	*129.76*	
		For Laboratory Grade, Add	*168.69*	
		For Unfinished (Natural, Wood), Deduct	*-38.93*	
06 41 13 00-0066	EA	>36" To 42" Wide, 30" High x 13" Deep Double Door Wall Cabinet	352.62	53.90
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-56.89*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-28.45*	
		For Economy Grade, Deduct	*-113.79*	
		For Premium Grade, Add	*142.24*	
		For Laboratory Grade, Add	*184.91*	
		For Unfinished (Natural, Wood), Deduct	*-42.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0067	EA	>42" To 48" Wide, 30" High x 13" Deep Double Door Wall Cabinet	389.58	54.52
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-64.13*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-32.07*	
		For Economy Grade, Deduct	*-128.26*	
		For Premium Grade, Add	*160.33*	
		For Laboratory Grade, Add	*208.42*	
		For Unfinished (Natural, Wood), Deduct	*-48.10*	

06 41 13 00-0068 Wall Cabinets 24" High x 13" Deep *(06 41 13 00-0043)*

06 41 13 00-0069 Double Door Type Units *(06 41 13 00-0068)*

06 41 13 00-0070	EA	Up To 24" Wide, 24" High x 13" Deep Double Door Wall Cabinet	241.15	40.74
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-37.93*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-18.97*	
		For Economy Grade, Deduct	*-75.86*	
		For Premium Grade, Add	*94.83*	
		For Laboratory Grade, Add	*123.27*	
		For Unfinished (Natural, Wood), Deduct	*-28.45*	
06 41 13 00-0071	EA	>24" To 30" Wide, 24" High x 13" Deep Double Door Wall Cabinet	257.43	42.69
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-40.67*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-20.34*	
		For Economy Grade, Deduct	*-81.35*	
		For Premium Grade, Add	*101.69*	
		For Laboratory Grade, Add	*132.19*	
		For Unfinished (Natural, Wood), Deduct	*-30.51*	
06 41 13 00-0072	EA	>30" To 36" Wide, 24" High x 13" Deep Double Door Wall Cabinet	280.14	43.95
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-44.92*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-22.46*	
		For Economy Grade, Deduct	*-89.83*	
		For Premium Grade, Add	*112.29*	
		For Laboratory Grade, Add	*145.98*	
		For Unfinished (Natural, Wood), Deduct	*-33.69*	
06 41 13 00-0073	EA	>36" To 42" Wide, 24" High x 13" Deep Double Door Wall Cabinet	304.69	44.65
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-49.66*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-24.83*	
		For Economy Grade, Deduct	*-99.32*	
		For Premium Grade, Add	*124.15*	
		For Laboratory Grade, Add	*161.39*	
		For Unfinished (Natural, Wood), Deduct	*-37.24*	

06 41 13 00-0074 Wall Cabinets 15" High x 13" Deep *(06 41 13 00-0043)*

06 41 13 00-0075 Double Door Type Units *(06 41 13 00-0074)*

06 41 13 00-0076	EA	Up To 24" Wide, 15" High x 13" Deep Double Door Wall Cabinet	213.70	35.80
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-33.69*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-16.84*	
		For Economy Grade, Deduct	*-67.38*	
		For Premium Grade, Add	*84.22*	
		For Laboratory Grade, Add	*109.49*	
		For Unfinished (Natural, Wood), Deduct	*-25.27*	
06 41 13 00-0077	EA	>24" To 30" Wide, 15" High x 13" Deep Double Door Wall Cabinet	225.74	38.38
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-35.43*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-17.72*	
		For Economy Grade, Deduct	*-70.87*	
		For Premium Grade, Add	*88.59*	
		For Laboratory Grade, Add	*115.16*	
		For Unfinished (Natural, Wood), Deduct	*-26.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0078	EA	>30" To 36" Wide, 15" High x 13" Deep Double Door Wall Cabinet	248.95	43.95
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-38.68*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-19.34*	
		For Economy Grade, Deduct	*-77.36*	
		For Premium Grade, Add	*96.70*	
		For Laboratory Grade, Add	*125.70*	
		For Unfinished (Natural, Wood), Deduct	*-29.01*	
06 41 13 00-0079	EA	>36" To 42" Wide, 15" High x 13" Deep Double Door Wall Cabinet	268.96	43.95
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-42.67*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-21.34*	
		For Economy Grade, Deduct	*-85.34*	
		For Premium Grade, Add	*106.68*	
		For Laboratory Grade, Add	*138.68*	
		For Unfinished (Natural, Wood), Deduct	*-32.00*	

06 41 13 00-0080 Wall Cabinets 12" High x 13" Deep *(06 41 13 00-0043)*

06 41 13 00-0081	EA	18" to 30" Wide, 12" High x 13" Deep Double Door Wall Cabinet	199.89	24.12
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-30.19*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-15.10*	
		For Economy Grade, Deduct	*-60.39*	
		For Premium Grade, Add	*75.49*	
		For Laboratory Grade, Add	*98.13*	
		For Unfinished (Natural, Wood), Deduct	*-22.65*	
06 41 13 00-0082	EA	>30" Wide, 12" High x 13" Deep Double Door Wall Cabinet	233.09	18.09
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-35.43*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-17.72*	
		For Economy Grade, Deduct	*-70.87*	
		For Premium Grade, Add	*88.59*	
		For Laboratory Grade, Add	*115.16*	
		For Unfinished (Natural, Wood), Deduct	*-26.58*	

06 41 13 00-0083 Wall Cabinets 36" High x 13" Deep, Custom Built In Place *(06 41 13 00-0043)*

06 41 13 00-0084 Single Door Type Units *(06 41 13 00-0083)*

06 41 13 00-0085	LF	Up To 15" Wide, 36" High x 13" Deep Built In Place Single Door Wall Cabinet	219.49	59.53
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-26.98*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-13.49*	
		For Economy Grade, Deduct	*-53.96*	
		For Premium Grade, Add	*67.45*	
		For Laboratory Grade, Add	*87.68*	
		For Unfinished (Natural, Wood), Deduct	*-20.23*	
06 41 13 00-0086	LF	>15 To 18" Wide, 36" High x 13" Deep Built In Place Single Door Wall Cabinet	203.12	50.13
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-26.21*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-13.11*	
		For Economy Grade, Deduct	*-52.42*	
		For Premium Grade, Add	*65.53*	
		For Laboratory Grade, Add	*85.18*	
		For Unfinished (Natural, Wood), Deduct	*-19.66*	
06 41 13 00-0087	LF	>18 To 24" Wide, 36" High x 13" Deep Built In Place Single Door Wall Cabinet	167.91	39.17
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-22.46*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-11.23*	
		For Economy Grade, Deduct	*-44.92*	
		For Premium Grade, Add	*56.15*	
		For Laboratory Grade, Add	*72.99*	
		For Unfinished (Natural, Wood), Deduct	*-16.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0088	LF	>24 To 30" Wide, 36" High x 13" Deep Built In Place Single Door Wall Cabinet	156.42	33.68
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-21.57*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-10.79*	
		For Economy Grade, Deduct	*-43.14*	
		For Premium Grade, Add	*53.93*	
		For Laboratory Grade, Add	*70.10*	
		For Unfinished (Natural, Wood), Deduct	*-16.18*	
06 41 13 00-0089		Double Door Type Units *(06 41 13 00-0083)*		
06 41 13 00-0090	LF	Up To 24" Wide, 36" High x 13" Deep Built In Place Double Door Wall Cabinet	175.10	43.87
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-22.49*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-11.24*	
		For Economy Grade, Deduct	*-44.97*	
		For Premium Grade, Add	*56.22*	
		For Laboratory Grade, Add	*73.08*	
		For Unfinished (Natural, Wood), Deduct	*-16.86*	
06 41 13 00-0091	LF	>24" To 30" Wide, 36" High x 13" Deep Built In Place Double Door Wall Cabinet	162.23	37.60
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-21.79*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-10.90*	
		For Economy Grade, Deduct	*-43.58*	
		For Premium Grade, Add	*54.48*	
		For Laboratory Grade, Add	*70.82*	
		For Unfinished (Natural, Wood), Deduct	*-16.34*	
06 41 13 00-0092	LF	>30" To 36" Wide, 36" High x 13" Deep Built In Place Double Door Wall Cabinet	150.02	32.12
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-20.76*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-10.38*	
		For Economy Grade, Deduct	*-41.52*	
		For Premium Grade, Add	*51.91*	
		For Laboratory Grade, Add	*67.48*	
		For Unfinished (Natural, Wood), Deduct	*-15.57*	
06 41 13 00-0093	LF	>36" To 42" Wide, 36" High x 13" Deep Built In Place Double Door Wall Cabinet	138.27	28.20
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-19.51*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-9.75*	
		For Economy Grade, Deduct	*-39.01*	
		For Premium Grade, Add	*48.77*	
		For Laboratory Grade, Add	*63.39*	
		For Unfinished (Natural, Wood), Deduct	*-14.63*	
06 41 13 00-0094	LF	>42" To 48" Wide, 36" High x 13" Deep Built In Place Double Door Wall Cabinet	133.81	26.63
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-19.24*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-9.62*	
		For Economy Grade, Deduct	*-38.48*	
		For Premium Grade, Add	*48.11*	
		For Laboratory Grade, Add	*62.54*	
		For Unfinished (Natural, Wood), Deduct	*-14.43*	
06 41 13 00-0095		Accessories *(06 41 13 00-0001)*		
		See CSI section 06 41 93 00-0001 for cabinet hardware, 08 71 00 00-0000 for cabinet hardware.		
06 41 13 00-0096	EA	Wall Corner Cabinet With Shelving	307.71	88.09
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-22.39*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-11.20*	
		For Economy Grade, Deduct	*-44.78*	
		For Premium Grade, Add	*55.98*	
		For Laboratory Grade, Add	*72.77*	
		For Unfinished (Natural, Wood), Deduct	*-16.79*	
06 41 13 00-0097	EA	Wall Lazy Susan With Cabinet Enclosure	439.24	70.47
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-56.53*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-28.26*	
		For Economy Grade, Deduct	*-113.06*	
		For Premium Grade, Add	*141.32*	
		For Laboratory Grade, Add	*183.72*	
		For Unfinished (Natural, Wood), Deduct	*-42.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0098	EA	Base Lazy Susan With Cabinet Enclosure	524.14	58.73
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-78.73*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-39.36*	
		For Economy Grade, Deduct	*-157.46*	
		For Premium Grade, Add	*196.82*	
		For Laboratory Grade, Add	*255.87*	
		For Unfinished (Natural, Wood), Deduct	*-59.05*	
06 41 13 00-0099	EA	Broom Cabinet	560.88	50.35
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-89.80*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-44.90*	
		For Economy Grade, Deduct	*-179.61*	
		For Premium Grade, Add	*224.51*	
		For Laboratory Grade, Add	*291.86*	
		For Unfinished (Natural, Wood), Deduct	*-67.35*	
06 41 13 00-0100	EA	Base Corner Cabinet	239.78	35.23
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-33.86*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-16.93*	
		For Economy Grade, Deduct	*-67.72*	
		For Premium Grade, Add	*84.66*	
		For Laboratory Grade, Add	*110.05*	
		For Unfinished (Natural, Wood), Deduct	*-25.40*	
06 41 13 00-0101	EA	Base Range Cabinet	226.72	29.37
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-33.60*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-16.80*	
		For Economy Grade, Deduct	*-67.20*	
		For Premium Grade, Add	*84.00*	
		For Laboratory Grade, Add	*109.19*	
		For Unfinished (Natural, Wood), Deduct	*-25.20*	
06 41 13 00-0102	EA	Double Oven Cabinet	298.46	35.23
		Note: Prefinished with solid hardwood face frames, hardwood door frames.		
		For Plastic Laminate On Particle Board, Deduct	*-45.60*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-22.80*	
		For Economy Grade, Deduct	*-91.20*	
		For Premium Grade, Add	*114.00*	
		For Laboratory Grade, Add	*148.19*	
		For Unfinished (Natural, Wood), Deduct	*-34.20*	
06 41 13 00-0103	EA	Microwave Cabinet	202.98	23.49
		Note: Prefinished with solid hardwood face frames, hardwood door frames.		
		For Plastic Laminate On Particle Board, Deduct	*-31.20*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-15.60*	
		For Economy Grade, Deduct	*-62.40*	
		For Premium Grade, Add	*78.00*	
		For Laboratory Grade, Add	*101.40*	
		For Unfinished (Natural, Wood), Deduct	*-23.40*	
06 41 13 00-0104	EA	30" Flipper Door And Cabinet	259.78	45.03
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-33.95*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-16.97*	
		For Economy Grade, Deduct	*-67.89*	
		For Premium Grade, Add	*84.87*	
		For Laboratory Grade, Add	*110.32*	
		For Unfinished (Natural, Wood), Deduct	*-25.46*	
06 41 13 00-0105	EA	36" Flipper Door And Cabinet	276.88	45.03
		Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
		For Plastic Laminate On Particle Board, Deduct	*-37.37*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-18.68*	
		For Economy Grade, Deduct	*-74.73*	
		For Premium Grade, Add	*93.42*	
		For Laboratory Grade, Add	*121.44*	
		For Unfinished (Natural, Wood), Deduct	*-28.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0106	EA	48" Flipper Door And Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.	305.24	45.03
		For Plastic Laminate On Particle Board, Deduct	*-43.04*	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	*-21.52*	
		For Economy Grade, Deduct	*-86.08*	
		For Premium Grade, Add	*107.60*	
		For Laboratory Grade, Add	*139.87*	
		For Unfinished (Natural, Wood), Deduct	*-32.28*	
06 41 13 00-0107	EA	For Keyed Lock In Door Or Drawer	37.56	
06 41 13 00-0108	SET	Tamper-Proof Screw Sets Per Panel	8.48	
06 41 13 00-0109		Removal And Reinstallation Of Cabinet Or Counters *(06 41 13)* Note: Includes storage, cleaning and supply materials. Any height or width.		
06 41 13 00-0110	LF	Remove And Reinstall Wood Base Cabinets	59.93	
06 41 13 00-0111	LF	Remove And Reinstall Wall Cabinets	52.11	
06 41 13 00-0112	LF	Remove And Reinstall Plastic Laminated Countertops	12.19	
06 41 93		**Cabinet And Drawer Hardware** *(06 41)*		
06 41 93 00-0001		Cabinet Hardware *(06 41 93)* Note: Includes all mounting screws.		
06 41 93 00-0002	EA	Hinges, Concealed, Steel, Full Or Half Overlay, Self Closing	19.26	7.83
06 41 93 00-0003	EA	Hinges, Semi Concealed, Brass	22.77	7.83
06 41 93 00-0004	EA	Pull Handles, Solid Brass	16.39	6.66
06 41 93 00-0005	EA	Pull Knobs, Solid Brass	15.23	5.09
06 41 93 00-0006	EA	Cabinet Ball And Catch	26.41	7.83
06 41 93 00-0007	EA	Cabinet Drawer Lock Square Style, Surface Mount	57.51	7.83
06 41 93 00-0008	EA	Cabinet Drawer Lock Square Style, Mortise Mount	106.97	11.75
06 41 93 00-0009	EA	Cabinet Drawer Lock For Hollow Metal Drawers	32.51	6.66
06 41 93 00-0010	EA	Door Catch	23.23	6.66
06 41 93 00-0011	EA	Surface Bolt, Solid Brass	32.97	6.66
06 42		Wood Paneling *(06 40)* Note: Includes glue for installation.		
06 42 13		**Wood Board Paneling** *(06 42)*		
06 42 13 00-0001		Solid Wood Paneling *(06 42 13)*		
06 42 13 00-0002		7/16" Solid Wood Paneling, Tongue And Groove, 3" To 5" Wide *(06 42 13 00-0001)*		
06 42 13 00-0003	SF	Homestead Cedar Paneling Tongue And Groove, 7/16"	6.48	1.64
06 42 13 00-0004	SF	Homestead Juniper Paneling Tongue And Groove, 7/16"	6.79	1.64
06 42 13 00-0005		7/16" Solid Wood Paneling, Tongue And Groove, 6" To 10" Wide *(06 42 13 00-0001)*		
06 42 13 00-0006	SF	8" Random Plank Tongue And Groove, 7/16"	8.88	1.57
06 42 13 00-0007	SF	8" Solid Plank Tongue And Groove, 7/16"	8.24	1.57
06 42 13 00-0008		1/2" Solid Wood Paneling, Tongue And Groove, 4" To 6" Wide *(06 42 13 00-0001)*		
06 42 13 00-0009	SF	Alder Wood Tongue And Groove Paneling, 1/2"	7.41	1.64
06 42 13 00-0010		1" Solid Wood Paneling, Shiplap, 6" To 8" Wide *(06 42 13 00-0001)*		
06 42 13 00-0011	SF	1" Teredo (Driftwood) Wood Shiplap	4.90	1.41
06 42 16		**Flush Wood Paneling** *(06 42)*		
06 42 16 00-0001		Veneer Hardboard Panels *(06 42 16)*		
06 42 16 00-0002	SF	1/4" Veneer Paneling (Mapes)	4.44	1.42
		For Waterproof Glue, Add	*0.08*	
		For Ceiling Installation, Add	*0.97*	
06 42 16 00-0003		Plywood Unfinished With Trim 1/4" Thick *(06 42 16)*		
06 42 16 00-0004		Birch *(06 42 16 00-0003)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 16 00-0005	SF	1/4" Unfinished Birch Plywood, Natural Faced With Trim	3.91	1.26
		For Waterproof Glue, Add	*0.07*	
		For Ceiling Installation, Add	*0.85*	
		For Installation On Metal Studs Or Furring, Add	*0.31*	
		For Glue Laminated Installation, Add	*0.20*	
		For Lumber Core, Add	*0.12*	
		For 1/8" Thick Paneling, Deduct	*-0.38*	
		For 1/2" Thick Paneling, Add	*0.92*	
		For 5/8" Thick Paneling, Add	*1.14*	
		For 3/4" Thick Paneling, Add	*1.43*	
		For Fire Retardant Treatment (Class I), Add	*0.85*	
06 42 16 00-0006	SF	1/4" Unfinished Birch Plywood, Select With Trim	3.98	1.26
		For Waterproof Glue, Add	*0.08*	
		For Ceiling Installation, Add	*0.85*	
		For Installation On Metal Studs Or Furring, Add	*0.31*	
		For Glue Laminated Installation, Add	*0.20*	
		For Lumber Core, Add	*0.13*	
		For 1/8" Thick Paneling, Deduct	*-0.39*	
		For 1/2" Thick Paneling, Add	*0.96*	
		For 5/8" Thick Paneling, Add	*1.20*	
		For 3/4" Thick Paneling, Add	*1.50*	
		For Fire Retardant Treatment (Class I), Add	*0.90*	

06 42 16 00-0007 Knotty Pine *(06 42 16 00-0003)*

06 42 16 00-0008	SF	1/4" Knotty Pine Plywood, Grade AA Unfinished With Trim	4.57	1.42
		For Waterproof Glue, Add	*0.10*	
		For Ceiling Installation, Add	*0.95*	
		For Installation On Metal Studs Or Furring, Add	*0.35*	
		For Glue Laminated Installation, Add	*0.23*	
		For Lumber Core, Add	*0.16*	
		For 1/8" Thick Paneling, Deduct	*-0.46*	
		For 1/2" Thick Paneling, Add	*1.14*	
		For 5/8" Thick Paneling, Add	*1.44*	
		For 3/4" Thick Paneling, Add	*1.82*	
		For Fire Retardant Treatment (Class I), Add	*1.11*	
06 42 16 00-0009	SF	1/4" Knotty Pine Plywood, Grade AD Unfinished With Trim	4.50	1.42
		For Waterproof Glue, Add	*0.09*	
		For Ceiling Installation, Add	*0.95*	
		For Installation On Metal Studs Or Furring, Add	*0.35*	
		For Glue Laminated Installation, Add	*0.23*	
		For Lumber Core, Add	*0.15*	
		For 1/8" Thick Paneling, Deduct	*-0.44*	
		For 1/2" Thick Paneling, Add	*1.10*	
		For 5/8" Thick Paneling, Add	*1.38*	
		For 3/4" Thick Paneling, Add	*1.75*	
		For Fire Retardant Treatment (Class I), Add	*1.06*	

06 42 16 00-0010 Cedar (Aromatic - Closet Lining) *(06 42 16 00-0003)*

06 42 16 00-0011	SF	1/4" Cedar Plywood, Standard Grade Unfinished With Trim, Closet Lining	4.46	1.58
		For Waterproof Glue, Add	*0.06*	
		For Ceiling Installation, Add	*1.07*	
		For Installation On Metal Studs Or Furring, Add	*0.39*	
		For Glue Laminated Installation, Add	*0.22*	
		For Lumber Core, Add	*0.10*	
		For 1/8" Thick Paneling, Deduct	*-0.40*	
		For 1/2" Thick Paneling, Add	*0.91*	
		For 5/8" Thick Paneling, Add	*1.10*	
		For 3/4" Thick Paneling, Add	*1.35*	
		For Fire Retardant Treatment (Class I), Add	*0.71*	
06 42 16 00-0012	SF	1/4" Cedar Plywood, Particle Board Unfinished With Trim, Closet Lining	4.48	1.58
		For Waterproof Glue, Add	*0.06*	
		For Ceiling Installation, Add	*1.07*	
		For Installation On Metal Studs Or Furring, Add	*0.39*	
		For Glue Laminated Installation, Add	*0.22*	
		For Lumber Core, Add	*0.10*	
		For 1/8" Thick Paneling, Deduct	*-0.40*	
		For 1/2" Thick Paneling, Add	*0.92*	
		For 5/8" Thick Paneling, Add	*1.12*	
		For 3/4" Thick Paneling, Add	*1.37*	
		For Fire Retardant Treatment (Class I), Add	*0.73*	

06 42 16 00-0013 Top Grade Plywood Prefinished With Trim 1/4" Thick *(06 42 16)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 16 00-0014	SF	1/4" Top Grade Plywood, Birch Veneer Prefinished With Trim	4.35	1.42
		For Flitch Matched Veneer, Add	*0.60*	
		For Second Grade Veneer, Deduct	*-0.12*	
		For Third Grade Veneer, Deduct	*-0.18*	
		For Waterproof Glue, Add	*0.08*	
		For Ceiling Installation, Add	*0.95*	
		For Installation On Metal Studs Or Furring, Add	*0.35*	
		For Glue Laminated Installation, Add	*0.22*	
		For Lumber Core, Add	*0.13*	
		For 1/8" Thick Paneling, Deduct	*-0.42*	
		For 1/2" Thick Paneling, Add	*1.02*	
		For 5/8" Thick Paneling, Add	*1.27*	
		For 3/4" Thick Paneling, Add	*1.59*	
		For Fire Retardant Treatment (Class I), Add	*0.94*	
06 42 16 00-0015	SF	1/4" Top Grade Plywood, Cherry Veneer Prefinished With Trim	4.88	1.42
		For Flitch Matched Veneer, Add	*0.86*	
		For Second Grade Veneer, Deduct	*-0.17*	
		For Third Grade Veneer, Deduct	*-0.26*	
		For Waterproof Glue, Add	*0.12*	
		For Ceiling Installation, Add	*0.95*	
		For Installation On Metal Studs Or Furring, Add	*0.35*	
		For Glue Laminated Installation, Add	*0.24*	
		For Lumber Core, Add	*0.19*	
		For 1/8" Thick Paneling, Deduct	*-0.51*	
		For 1/2" Thick Paneling, Add	*1.31*	
		For 5/8" Thick Paneling, Add	*1.67*	
		For 3/4" Thick Paneling, Add	*2.13*	
		For Fire Retardant Treatment (Class I), Add	*1.36*	
06 42 16 00-0016	SF	1/4" Top Grade Plywood, Chestnut Veneer Prefinished With Trim	7.48	1.42
		For Flitch Matched Veneer, Add	*1.85*	
		For Second Grade Veneer, Deduct	*-0.37*	
		For Third Grade Veneer, Deduct	*-0.56*	
		For Waterproof Glue, Add	*0.26*	
		For Ceiling Installation, Add	*1.13*	
		For Installation On Metal Studs Or Furring, Add	*0.42*	
		For Glue Laminated Installation, Add	*0.37*	
		For Lumber Core, Add	*0.41*	
		For 1/8" Thick Paneling, Deduct	*-0.88*	
		For 1/2" Thick Paneling, Add	*2.45*	
		For 5/8" Thick Paneling, Add	*3.23*	
		For 3/4" Thick Paneling, Add	*4.23*	
		For Fire Retardant Treatment (Class I), Add	*2.92*	
06 42 16 00-0017	SF	1/4" Top Grade Plywood, Lauan Veneer Prefinished With Trim	3.62	1.42
		For Flitch Matched Veneer, Add	*0.40*	
		For Second Grade Veneer, Deduct	*-0.08*	
		For Third Grade Veneer, Deduct	*-0.12*	
		For Waterproof Glue, Add	*0.06*	
		For Ceiling Installation, Add	*0.85*	
		For Installation On Metal Studs Or Furring, Add	*0.31*	
		For Glue Laminated Installation, Add	*0.18*	
		For Lumber Core, Add	*0.09*	
		For 1/8" Thick Paneling, Deduct	*-0.33*	
		For 1/2" Thick Paneling, Add	*0.77*	
		For 5/8" Thick Paneling, Add	*0.93*	
		For 3/4" Thick Paneling, Add	*1.15*	
		For Fire Retardant Treatment (Class I), Add	*0.62*	
06 42 16 00-0018	SF	1/4" Top Grade Plywood, Mahogany Veneer Prefinished With Trim	6.54	1.42
		For Flitch Matched Veneer, Add	*1.49*	
		For Second Grade Veneer, Deduct	*-0.30*	
		For Third Grade Veneer, Deduct	*-0.45*	
		For Waterproof Glue, Add	*0.21*	
		For Ceiling Installation, Add	*1.07*	
		For Installation On Metal Studs Or Furring, Add	*0.39*	
		For Glue Laminated Installation, Add	*0.33*	
		For Lumber Core, Add	*0.33*	
		For 1/8" Thick Paneling, Deduct	*-0.75*	
		For 1/2" Thick Paneling, Add	*2.04*	
		For 5/8" Thick Paneling, Add	*2.66*	
		For 3/4" Thick Paneling, Add	*3.47*	
		For Fire Retardant Treatment (Class I), Add	*2.35*	
06 42 16 00-0019	SF	1/4" Top Grade Plywood, Red Oak Veneer Prefinished With Trim	4.48	1.42
		For Flitch Matched Veneer, Add	*0.66*	
		For Second Grade Veneer, Deduct	*-0.13*	
		For Third Grade Veneer, Deduct	*-0.20*	
		For Waterproof Glue, Add	*0.09*	
		For Ceiling Installation, Add	*0.95*	
		For Installation On Metal Studs Or Furring, Add	*0.35*	
		For Glue Laminated Installation, Add	*0.22*	
		For Lumber Core, Add	*0.15*	
		For 1/8" Thick Paneling, Deduct	*-0.44*	
		For 1/2" Thick Paneling, Add	*1.09*	
		For 5/8" Thick Paneling, Add	*1.37*	
		For 3/4" Thick Paneling, Add	*1.73*	
		For Fire Retardant Treatment (Class I), Add	*1.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 16 00-0020	SF	1/4" Top Grade Plywood, Pecan Veneer Prefinished With Trim	5.30	1.42
		For Flitch Matched Veneer, Add	*0.87*	
		For Second Grade Veneer, Deduct	*-0.17*	
		For Third Grade Veneer, Deduct	*-0.26*	
		For Waterproof Glue, Add	*0.12*	
		For Ceiling Installation, Add	*1.07*	
		For Installation On Metal Studs Or Furring, Add	*0.39*	
		For Glue Laminated Installation, Add	*0.27*	
		For Lumber Core, Add	*0.19*	
		For 1/8" Thick Paneling, Deduct	*-0.54*	
		For 1/2" Thick Paneling, Add	*1.37*	
		For 5/8" Thick Paneling, Add	*1.73*	
		For 3/4" Thick Paneling, Add	*2.20*	
		For Fire Retardant Treatment (Class I), Add	*1.37*	
06 42 16 00-0021	SF	1/4" Top Grade Plywood, Rosewood Veneer Prefinished With Trim	8.66	1.42
		For Flitch Matched Veneer, Add	*2.11*	
		For Second Grade Veneer, Deduct	*-0.42*	
		For Third Grade Veneer, Deduct	*-0.63*	
		For Waterproof Glue, Add	*0.30*	
		For Ceiling Installation, Add	*1.33*	
		For Installation On Metal Studs Or Furring, Add	*0.49*	
		For Glue Laminated Installation, Add	*0.43*	
		For Lumber Core, Add	*0.46*	
		For 1/8" Thick Paneling, Deduct	*-1.02*	
		For 1/2" Thick Paneling, Add	*2.81*	
		For 5/8" Thick Paneling, Add	*3.70*	
		For 3/4" Thick Paneling, Add	*4.84*	
		For Fire Retardant Treatment (Class I), Add	*3.33*	
06 42 16 00-0022	SF	1/4" Top Grade Plywood, Teak Veneer Prefinished With Trim	6.53	1.42
		For Flitch Matched Veneer, Add	*1.49*	
		For Second Grade Veneer, Deduct	*-0.30*	
		For Third Grade Veneer, Deduct	*-0.45*	
		For Waterproof Glue, Add	*0.21*	
		For Ceiling Installation, Add	*1.07*	
		For Installation On Metal Studs Or Furring, Add	*0.39*	
		For Glue Laminated Installation, Add	*0.33*	
		For Lumber Core, Add	*0.33*	
		For 1/8" Thick Paneling, Deduct	*-0.75*	
		For 1/2" Thick Paneling, Add	*2.03*	
		For 5/8" Thick Paneling, Add	*2.65*	
		For 3/4" Thick Paneling, Add	*3.46*	
		For Fire Retardant Treatment (Class I), Add	*2.35*	
06 42 16 00-0023	SF	1/4" Top Grade Plywood, Walnut Veneer Prefinished With Trim	5.69	1.42
		For Flitch Matched Veneer, Add	*1.27*	
		For Second Grade Veneer, Deduct	*-0.25*	
		For Third Grade Veneer, Deduct	*-0.38*	
		For Waterproof Glue, Add	*0.18*	
		For Ceiling Installation, Add	*0.95*	
		For Installation On Metal Studs Or Furring, Add	*0.35*	
		For Glue Laminated Installation, Add	*0.28*	
		For Lumber Core, Add	*0.28*	
		For 1/8" Thick Paneling, Deduct	*-0.64*	
		For 1/2" Thick Paneling, Add	*1.75*	
		For 5/8" Thick Paneling, Add	*2.28*	
		For 3/4" Thick Paneling, Add	*2.96*	
		For Fire Retardant Treatment (Class I), Add	*2.00*	
06 42 16 00-0024	SF	1/4" Top Grade Plywood, Maple Veneer Prefinished With Trim	4.50	1.42
		For Flitch Matched Veneer, Add	*0.67*	
		For Second Grade Veneer, Deduct	*-0.13*	
		For Third Grade Veneer, Deduct	*-0.20*	
		For Waterproof Glue, Add	*0.09*	
		For Ceiling Installation, Add	*0.95*	
		For Installation On Metal Studs Or Furring, Add	*0.35*	
		For Glue Laminated Installation, Add	*0.23*	
		For Lumber Core, Add	*0.15*	
		For 1/8" Thick Paneling, Deduct	*-0.44*	
		For 1/2" Thick Paneling, Add	*1.10*	
		For 5/8" Thick Paneling, Add	*1.38*	
		For 3/4" Thick Paneling, Add	*1.75*	
		For Fire Retardant Treatment (Class I), Add	*1.06*	

06 42 16 00-0025 Accessories *(06 42 16)*

06 42 16 00-0026	EA	Aluminum Panel Retainer "J" With Bolt	15.41	

06 42 19 Plastic-Laminate-Faced Wood Paneling *(06 42)*

06 42 19 00-0001 Plastic Laminate *(06 42 19)*
Note: Standard colors and patterns.

06 42 19 00-0002	SF	1/16" Plastic Laminate Faced Panel Note: Includes cutting to fit.	6.09	2.74

06 43 Wood Stairs And Railings *(06 40)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 43 13		**Wood Stairs** *(06 43)*		
06 43 13 00-0001		Stair Parts *(06 43 13)*		
06 43 13 00-0002	EA	30" Baluster, Pine	34.10	15.89
06 43 13 00-0003	EA	30" Baluster, Birch	38.99	15.89
06 43 13 00-0004	EA	42" Baluster, Pine	37.82	16.44
06 43 13 00-0005	EA	42" Baluster, Birch	43.04	16.44
06 43 13 00-0006	EA	3-1/4" Wide Newels, Starting	187.00	62.49
06 43 13 00-0007	EA	3-1/4" Wide Newels, Landing	271.89	87.70
06 43 13 00-0008	LF	Oak Gooseneck, 1 Riser	120.44	54.81
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*18.00*	
06 43 13 00-0009	LF	Oak Gooseneck, 2 Riser	139.21	60.21
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*19.78*	
06 43 13 00-0010	LF	Oak Handrail, 2-1/2" x 3" With Quarter Turn	23.10	8.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*2.70*	
06 43 13 00-0011	LF	1-1/16" x 9-1/2" Oak Stair Tread	28.09	4.62
		For Beech, Add	*5.67*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*2.11*	
06 43 13 00-0012	LF	1-1/16" x 11-1/2" Oak Stair Tread	33.46	4.62
		For Beech, Add	*7.28*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*2.11*	
06 43 13 00-0013	LF	1-1/16" x 11-1/2" Pine Stair Tread	16.81	4.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*2.11*	
06 43 13 00-0014	LF	3/4" x 7-1/2" High Beech Riser	21.96	4.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*2.20*	
06 43 13 00-0015	LF	3/4" x 7-1/2" High Oak Riser	20.82	4.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*2.20*	
06 43 13 00-0016	LF	3/4" x 7-1/2" High Fir Riser	13.49	4.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*2.20*	
06 43 13 00-0017	LF	3/4" x 7-1/2" High Pine Riser	13.13	4.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*2.20*	
06 43 13 00-0018	SF	Framed Stair Landings, 3/4" Plywood Surface, Per SF Of Landing	28.34	
06 43 13 00-0019		Interior Box Stairs *(06 43 13)*		
		Note: Factory cut and assembled straight closed box stairs, unfinished.		
06 43 13 00-0020	EA	30" Wide Pine Box Stair, Per Riser	160.67	47.68
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*15.67*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*64.44*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*20.52*	
		For Oak Or Maple Treads, Add	*41.65*	
06 43 13 00-0021	EA	32" Wide Pine Box Stair, Per Riser	169.50	48.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*16.02*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*64.90*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*20.71*	
		For Oak Or Maple Treads, Add	*44.93*	
06 43 13 00-0022	EA	34" Wide Pine Box Stair, Per Riser	177.60	49.34
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*16.21*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*65.14*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*20.81*	
		For Oak Or Maple Treads, Add	*48.21*	
06 43 13 00-0023	EA	36" Wide Pine Box Stair, Per Riser	186.90	49.88
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*16.38*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*65.37*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*20.90*	
		For Oak Or Maple Treads, Add	*52.05*	
06 43 13 00-0024	EA	38" Wide Pine Box Stair, Per Riser	192.53	50.42
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*16.56*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*65.61*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*21.00*	
		For Oak Or Maple Treads, Add	*54.23*	
06 43 13 00-0025	EA	40" Wide Pine Box Stair, Per Riser	198.93	51.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*16.93*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*66.08*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*21.20*	
		For Oak Or Maple Treads, Add	*56.40*	
06 43 13 00-0026	EA	42" Wide Pine Box Stair, Per Riser	204.55	52.07
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*17.11*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*66.31*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*21.30*	
		For Oak Or Maple Treads, Add	*58.58*	
06 43 13 00-0027	EA	44" Wide Pine Box Stair, Per Riser	210.17	52.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*17.29*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*66.55*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*21.40*	
		For Oak Or Maple Treads, Add	*60.75*	
06 43 13 00-0028	EA	46" Wide Pine Box Stair, Per Riser	215.76	53.17
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*17.46*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*66.78*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*21.49*	
		For Oak Or Maple Treads, Add	*62.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 43 13 00-0029	EA	48" Wide Pine Box Stair, Per Riser	222.91	54.81
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*18.01*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*67.49*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*21.79*	
		For Oak Or Maple Treads, Add	*65.07*	

06 43 16 Wood Railings *(06 43)*

06 43 16 00-0001 Handrails *(06 43 16)*

06 43 16 00-0002 Pine, Fir, Interior Grade Or Pressure Treated Exterior Handrails *(06 43 16 00-0001)*

06 43 16 00-0003	LF	1-1/2" X 1-3/4" Wood Handrail	10.81	5.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.80*	
06 43 16 00-0004	LF	1-1/2" X 2-1/2" Wood Handrail	12.82	6.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.98*	
06 43 16 00-0005	LF	Contour Style Wood Rails	17.42	5.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*2.52*	
06 43 16 00-0006	LF	1-1/2" Diameter Wood Rail With Brackets	10.29	3.91
06 43 16 00-0007	LF	1-3/4" Diameter Wood Rail With Brackets	12.05	4.31
06 43 16 00-0008	LF	2" Diameter Wood Rail With Brackets	15.44	4.70
06 43 16 00-0009	LF	2-1/2" Diameter Wood Rail With Brackets	18.32	5.49

06 43 16 00-0010 Handrails, Custom Hardwood With Supports *(06 43 16 00-0001)*

06 43 16 00-0011	LF	1-1/2" x 4-1/2" Oak Custom Hardwood Wall Handrail With Metal Supports At 6" On Center	22.83	6.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*3.43*	
06 43 16 00-0012	LF	2" X 8" Red Oak Custom Hardwood Horizontal Handrail With Metal Supports At 6" On Center	54.82	6.89
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*3.54*	
06 43 16 00-0013	LF	2" X 8" Red Oak Custom Hardwood Raking Handrail With Metal Supports At 6" On Center	56.71	7.75
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*3.97*	
06 43 16 00-0014	LF	2" x 9-1/2" Red Oak Custom Hardwood Horizontal Handrail With Metal Supports At 6" On Center	74.43	7.75
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*3.95*	
06 43 16 00-0015	LF	2" X 9-1/2" Red Oak Custom Hardwood Rake Handrail With Metal Supports @ 6" On Center, Metal Balusters	76.36	8.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*4.39*	

06 44 Ornamental Woodwork *(06 40)*

06 44 39 Wood Posts And Columns *(06 44)*

06 44 39 00-0001 Columns *(06 44 39)*

06 44 39 00-0002 Pine Colonial Columns, Round Tapered With Cap And Base *(06 44 39 00-0001)*
Note: Paint grade/finger jointed pine.

06 44 39 00-0003	LF	6" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	38.89	5.37
06 44 39 00-0004	LF	8" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	49.48	7.84
06 44 39 00-0005	LF	10" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	60.08	9.09
06 44 39 00-0006	LF	12" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	70.89	9.50
06 44 39 00-0007	LF	14" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	150.94	10.74
06 44 39 00-0008	LF	16" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	174.63	11.56
06 44 39 00-0009	LF	18" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	209.08	12.38
06 44 39 00-0010	LF	20" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	248.47	13.21
06 44 39 00-0011	LF	6" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	44.16	5.37
06 44 39 00-0012	LF	8" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	53.71	7.84
06 44 39 00-0013	LF	10" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	65.92	9.09
06 44 39 00-0014	LF	12" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	77.13	9.50
06 44 39 00-0015	LF	14" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	163.61	10.74
06 44 39 00-0016	LF	16" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	220.10	11.56
06 44 39 00-0017	LF	18" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	237.25	12.38
06 44 39 00-0018	LF	20" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	266.57	13.21

06 44 39 00-0019 Pine Colonial Columns, Round Non Tapered With Cap And Base *(06 44 39 00-0001)*
Note: Paint grade/finger jointed pine.

06 44 39 00-0020	LF	6" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	45.97	5.37
06 44 39 00-0021	LF	8" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base	57.53	7.84
06 44 39 00-0022	LF	10" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base	70.55	9.09
06 44 39 00-0023	LF	12" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base	83.97	9.50
06 44 39 00-0024	LF	14" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base	183.76	10.74
06 44 39 00-0025	LF	16" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base	213.06	11.56
06 44 39 00-0026	LF	18" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base	255.82	12.38
06 44 39 00-0027	LF	20" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base	304.76	13.21
06 44 39 00-0028	LF	6" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base	52.57	5.37
06 44 39 00-0029	LF	8" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base	63.31	7.84
06 44 39 00-0030	LF	10" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base	78.11	9.09
06 44 39 00-0031	LF	12" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base	91.98	9.50
06 44 39 00-0032	LF	14" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base	199.63	10.74
06 44 39 00-0033	LF	16" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base	270.07	11.56
06 44 39 00-0034	LF	18" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base	291.13	12.38
06 44 39 00-0035	LF	20" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base	327.48	13.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 44 39 00-0036		**Pine Classical Columns, Round Tapered With Cap And Base** *(06 44 39 00-0001)*		
		Note: Paint grade/finger jointed pine.		
06 44 39 00-0037	LF	6" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	41.39	5.37
06 44 39 00-0038	LF	8" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	52.50	7.84
06 44 39 00-0039	LF	10" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	63.87	9.09
06 44 39 00-0040	LF	12" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	75.59	9.50
06 44 39 00-0041	LF	6" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	47.14	5.37
06 44 39 00-0042	LF	8" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	57.10	7.84
06 44 39 00-0043	LF	10" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	70.23	9.09
06 44 39 00-0044	LF	12" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	82.38	9.50
06 44 39 00-0045		**Redwood Colonial Columns, Round Tapered With Cap And Base** *(06 44 39 00-0001)*		
		Note: Paint grade/finger jointed redwood.		
06 44 39 00-0046	LF	6" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base	62.47	5.37
06 44 39 00-0047	LF	8" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base	76.04	7.84
06 44 39 00-0048	LF	10" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base	94.09	9.09
06 44 39 00-0049	LF	12" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base	113.95	9.50
06 44 39 00-0050	LF	6" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base	71.32	5.37
06 44 39 00-0051	LF	8" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base	85.50	7.84
06 44 39 00-0052	LF	10" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base	105.16	9.09
06 44 39 00-0053	LF	12" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base	128.44	9.50
06 44 39 00-0054		**Ornamental Or Decorative Cap And Bases, Resin** *(06 44 39 00-0001)*		
		Note: For tapered wood columns.		
06 44 39 00-0055	EA	6" Resin Corinthian Capital And Base	191.32	11.15
06 44 39 00-0056	EA	8" Resin Corinthian Capital And Base	286.34	12.38
06 44 39 00-0057	EA	10" Resin Corinthian Capital And Base	397.11	14.45
06 44 39 00-0058	EA	12" Resin Corinthian Capital And Base	505.87	16.51
06 44 39 00-0059	EA	6" Resin Greek Erectheum Cap And Base	171.20	11.15
06 44 39 00-0060	EA	8" Resin Greek Erectheum Cap And Base	236.04	12.38
06 44 39 00-0061	EA	10" Resin Greek Erectheum Cap And Base	292.49	14.45
06 44 39 00-0062	EA	12" Resin Greek Erectheum Cap And Base	381.12	16.51
06 44 39 00-0063	EA	6" Resin Roman Ionic Capital And Base	180.06	11.56
06 44 39 00-0064	EA	8" Resin Roman Ionic Capital And Base	236.04	12.38
06 44 39 00-0065	EA	10" Resin Roman Ionic Capital And Base	292.49	14.45
06 44 39 00-0066	EA	12" Resin Roman Ionic Capital And Base	371.06	16.51
06 44 39 00-0067	EA	6" Resin Scamozzi Capital And Base	182.08	11.56
06 44 39 00-0068	EA	8" Resin Scamozzi Capital And Base	256.16	12.38
06 44 39 00-0069	EA	10" Resin Scamozzi Capital And Base	302.55	14.45
06 44 39 00-0070	EA	12" Resin Scamozzi Capital And Base	413.32	16.51
06 44 39 00-0071	EA	6" Resin Temple Of Winds Cap And Base	182.08	11.56
06 44 39 00-0072	EA	8" Resin Temple Of Winds Cap And Base	278.29	12.38
06 44 39 00-0073	EA	10" Resin Temple Of Winds Cap And Base	366.93	14.45
06 44 39 00-0074	EA	12" Resin Temple Of Winds Cap And Base	453.56	16.51
06 44 39 00-0075		**Ornamental Or Decorative Cap And Bases, Plaster** *(06 44 39 00-0001)*		
		Note: For tapered wood columns.		
06 44 39 00-0076	EA	6" Plaster Corinthian Capital And Base	378.44	11.15
06 44 39 00-0077	EA	8" Plaster Corinthian Capital And Base	425.18	12.38
06 44 39 00-0078	EA	10" Plaster Corinthian Capital And Base	539.97	14.45
06 44 39 00-0079	EA	12" Plaster Corinthian Capital And Base	594.41	16.51
06 44 39 00-0080	EA	6" Plaster Greek Erectheum Cap And Base	253.69	11.15
06 44 39 00-0081	EA	8" Plaster Greek Erectheum Cap And Base	294.39	12.38
06 44 39 00-0082	EA	10" Plaster Greek Erectheum Cap And Base	362.91	14.45
06 44 39 00-0083	EA	12" Plaster Greek Erectheum Cap And Base	455.57	16.51
06 44 39 00-0084	EA	6" Plaster Roman Ionic Capital And Base	244.45	11.56
06 44 39 00-0085	EA	8" Plaster Roman Ionic Capital And Base	318.54	12.38
06 44 39 00-0086	EA	10" Plaster Roman Ionic Capital And Base	385.04	14.45
06 44 39 00-0087	EA	12" Plaster Roman Ionic Capital And Base	455.57	16.51
06 44 39 00-0088	EA	6" Plaster Scamozzi Capital And Base	288.72	11.56
06 44 39 00-0089	EA	8" Plaster Scamozzi Capital And Base	380.91	12.38
06 44 39 00-0090	EA	10" Plaster Scamozzi Capital And Base	429.31	14.45
06 44 39 00-0091	EA	12" Plaster Scamozzi Capital And Base	544.10	16.51
06 44 39 00-0092	EA	6" Plaster Temple Of Winds Cap And Base	244.45	11.56
06 44 39 00-0093	EA	8" Plaster Temple Of Winds Cap And Base	314.51	12.38
06 44 39 00-0094	EA	10" Plaster Temple Of Winds Cap And Base	409.19	14.45
06 44 39 00-0095	EA	12" Plaster Temple Of Winds Cap And Base	521.97	16.51
06 44 39 00-0096	EA	6" Plaster Empire Capital And Base	274.63	11.56
06 44 39 00-0097	EA	8" Plaster Empire Capital And Base	334.63	12.38
06 44 39 00-0098	EA	10" Plaster Empire Capital And Base	407.18	14.45
06 44 39 00-0099	EA	12" Plaster Empire Capital And Base	455.57	16.51

06 46 Wood Trim *(06 40)*

06 46 13 Wood Door and Window Casings *(06 46)*

06 46 13 00-0001 Door and Window Casings *(06 46 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 13 00-0002	LF	1-1/8" Wide Plain Pine Door And Window Molding	3.41	1.25
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.64*	
06 46 13 00-0003	LF	1-1/8" Wide Detailed Pine Door And Window Molding	3.43	1.25
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.64*	
06 46 13 00-0004	LF	2-1/2" Wide Pine Complete Door And Window Trim	4.09	1.25
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.64*	

06 46 19 Wood Base And Shoe Moldings *(06 46)*

06 46 19 00-0001 Base And Shoe Molding *(06 46 19)*

06 46 19 00-0002	LF	1/2" x 1/2" Pine Quarter Round Trim	3.63	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.75*	
06 46 19 00-0003	LF	3/4" x 3/4" Pine Quarter Round Trim	3.82	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.75*	
06 46 19 00-0004	LF	3-1/2" High White Pine Base Molding, All Dimensions Are Nominal	4.33	0.94
		For Clear Birch, Add	*0.38*	
		For Clear Mahogany, Oak, Maple Or Walnut, Add	*0.85*	
		For Stain Grade Material (No Finger Joints), Add	*0.22*	
		For Clear Poplar, Add	*0.24*	
06 46 19 00-0005	LF	4-1/2" High White Pine Base Molding, All Dimensions Are Nominal	5.29	1.18
		For Clear Birch, Add	*0.44*	
		For Clear Mahogany, Oak, Maple Or Walnut, Add	*1.01*	
		For Stain Grade Material (No Finger Joints), Add	*0.25*	
		For Clear Poplar, Add	*0.28*	
06 46 19 00-0006	LF	5-1/2" High White Pine Base Molding, All Dimensions Are Nominal	6.44	1.33
		For Clear Birch, Add	*0.68*	
		For Clear Mahogany, Oak, Maple Or Walnut, Add	*1.39*	
		For Stain Grade Material (No Finger Joints), Add	*0.38*	
		For Clear Poplar, Add	*0.43*	
06 46 19 00-0007	LF	3/4" x 1" Oak Base Shoe	4.31	1.49
06 46 19 00-0008	LF	3/4" x 1" White Pine Base Shoe, Stain Grade	4.20	1.49
06 46 19 00-0009	LF	3/4" x 1" White Pine Base Shoe, Paint Grade	3.96	1.49

06 46 23 Wood Chair Rails *(06 46)*

06 46 23 00-0001 Chair Rails *(06 46 23)*

06 46 23 00-0002	LF	5/8" x 2-1/2" White Pine Shaped Chair Rail	5.09	1.41
		For Birch, Add	*0.63*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.20*	
		For Poplar, Add	*0.39*	
06 46 23 00-0003	LF	5/8" x 3-1/2" White Pine Shaped Chair Rail	6.09	1.41
		For Birch, Add	*0.95*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.65*	
		For Poplar, Add	*0.59*	
06 46 23 00-0004	LF	1/2" x 1-5/8" White Pine Shaped Chair Rail	3.79	1.41
		For Birch, Add	*0.46*	
		For Mahogany, Oak, Maple Or Walnut, Add	*0.88*	
		For Poplar, Add	*0.29*	

06 46 26 Wood Cornices *(06 46)*

06 46 26 00-0001 Wood Cornices *(06 46 26)*

06 46 26 00-0002	LF	1" x 2" White Pine Cornices, All Dimensions Are Nominal	4.03	1.41
		For Birch, Add	*0.32*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*0.72*	
		For Poplar, Add	*0.41*	
06 46 26 00-0003	LF	1" x 4" White Pine Cornices, All Dimensions Are Nominal	4.88	1.49
		For Birch, Add	*0.58*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*1.06*	
		For Poplar, Add	*0.73*	
06 46 26 00-0004	LF	1" x 6" White Pine Cornices, All Dimensions Are Nominal	6.48	1.57
		For Birch, Add	*1.11*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*1.73*	
		For Poplar, Add	*1.39*	
06 46 26 00-0005	LF	1" x 8" White Pine Cornices, All Dimensions Are Nominal	7.39	1.57
		For Birch, Add	*1.38*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*2.08*	
		For Poplar, Add	*1.72*	
06 46 26 00-0006	LF	1" x 10" White Pine Cornices, All Dimensions Are Nominal	8.42	1.64
		For Birch, Add	*1.69*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*2.49*	
		For Poplar, Add	*2.12*	
06 46 26 00-0007	LF	1" x 12" White Pine Cornices, All Dimensions Are Nominal	10.60	1.80
		For Birch, Add	*2.41*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*3.40*	
		For Poplar, Add	*3.01*	

06 46 29 Wood Fasciae And Soffits *(06 46)*

06 46 29 00-0001 Fascia Board *(06 46 29)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 29 00-0002		Pine Fascia Board *(06 46 29 00-0001)*		
06 46 29 00-0003	LF	1" x 6" Pine Fascia Board	3.69	1.57
06 46 29 00-0004	LF	1" x 8" Pine Fascia Board	4.23	1.74
06 46 29 00-0005	LF	1" x 10" Pine Fascia Board	4.57	1.82
06 46 29 00-0006	LF	1" x 12" Pine Fascia Board	5.39	2.04
06 46 29 00-0007	LF	2" x 6" Pine Fascia Board	3.65	1.57
06 46 29 00-0008	LF	2" x 8" Pine Fascia Board	4.17	1.74
06 46 29 00-0009	LF	2" x 10" Pine Fascia Board	4.66	1.82
06 46 29 00-0010	LF	2" x 12" Pine Fascia Board	5.65	2.04
06 46 29 00-0011	LF	2" x 6" Trim, Exterior, Pine, Resawn Fascia	4.40	1.57
06 46 29 00-0012	LF	2" x 8" Trim, Exterior, Pine, Resawn Fascia	5.16	1.74
06 46 29 00-0013	LF	2" x 10" Trim, Exterior, Pine, Resawn Fascia	5.78	1.82
06 46 29 00-0014	LF	2" x 12" Trim, Exterior, Pine, Resawn Fascia	7.31	2.04
06 46 29 00-0015		Cedar Fascia Board *(06 46 29 00-0001)*		
06 46 29 00-0016	LF	1" x 6" Cedar Fascia Board	3.96	1.57
06 46 29 00-0017	LF	1" x 8" Cedar Fascia Board	4.64	1.74
06 46 29 00-0018	LF	1" x 10" Cedar Fascia Board	5.38	1.82
06 46 29 00-0019	LF	1" x 12" Cedar Fascia Board	6.52	2.04
06 46 29 00-0020		Engineered Wood Fascia Board *(06 46 29 00-0001)*		
06 46 29 00-0021	LF	1" x 6" Engineered Wood Fascia Board	3.54	1.57
06 46 29 00-0022	LF	1" x 8" Engineered Wood Fascia Board	4.02	1.74
06 46 29 00-0023	LF	1" x 12" Engineered Wood Fascia Board	4.90	2.04
06 46 29 00-0024		Soffit *(06 46 29)*		
06 46 29 00-0025		Sanded Plywood Soffit *(06 46 29 00-0024)*		
06 46 29 00-0026	SF	3/8" Thick, Sanded Plywood Soffit	3.24	1.19
06 46 29 00-0027	SF	1/2" Thick, Sanded Plywood Soffit	3.57	1.25
06 46 29 00-0028	SF	5/8" Thick, Sanded Plywood Soffit	3.74	1.30
06 46 29 00-0029	SF	3/4" Thick, Sanded Plywood Soffit	4.16	1.37
06 46 29 00-0030		MDO Plywood Soffit *(06 46 29 00-0024)*		
06 46 29 00-0031	SF	3/8" Thick, MDO Plywood Soffit	3.64	1.19
06 46 29 00-0032	SF	1/2" Thick, MDO Plywood Soffit	4.08	1.25
06 46 29 00-0033	SF	3/4" Thick, MDO Plywood Soffit	5.14	1.37
06 46 29 00-0034		Exterior Ceiling Gypsum Board Soffit *(06 46 29 00-0024)*		
06 46 29 00-0035	SF	1/2" Thick, Exterior Ceiling Gypsum Board Soffit	2.54	1.04
06 46 29 00-0036	SF	5/8" Thick, Fire Rated, Exterior Ceiling Gypsum Board Soffit	2.75	1.09

06 46 36 Custom Molding *(06 46)*

Note: Includes set-up, knife charge, gluing (Where necessary for widths over 7-1/2"). All dimensions are nominal.

06 46 36 00-0001		Ash *(06 46 36)*		
06 46 36 00-0002	LF	3/4" x 1-1/2" Custom Shaped Ash	4.77	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.63*	
06 46 36 00-0003	LF	3/4" x 2-1/2" Custom Shaped Ash	5.87	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.66*	
06 46 36 00-0004	LF	3/4" x 3-1/2" Custom Shaped Ash	6.96	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.68*	
06 46 36 00-0005	LF	3/4" x 4-1/2" Custom Shaped Ash	8.05	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.69*	
06 46 36 00-0006	LF	3/4" x 5-1/2" Custom Shaped Ash	9.24	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.74*	
06 46 36 00-0007	LF	3/4" x 6-1/2" Custom Shaped Ash	10.41	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.78*	
06 46 36 00-0008	LF	3/4" x 7-1/2" Custom Shaped Ash	11.50	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.79*	
06 46 36 00-0009	LF	3/4" x 8-1/2" Custom Shaped Ash	12.61	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.82*	
06 46 36 00-0010	LF	3/4" x 9-1/2" Custom Shaped Ash	13.66	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.83*	
06 46 36 00-0011	LF	3/4" x 10-1/2" Custom Shaped Ash	14.86	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.87*	
06 46 36 00-0012	LF	3/4" x 11-1/2" Custom Shaped Ash	15.98	1.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.90*	
06 46 36 00-0013	LF	1" x 1-1/2" Custom Shaped Ash	5.55	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.65*	
06 46 36 00-0014	LF	1" x 2-1/2" Custom Shaped Ash	6.97	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.67*	
06 46 36 00-0015	LF	1" x 3-1/2" Custom Shaped Ash	8.40	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0016	LF	1" x 4-1/2" Custom Shaped Ash	9.83	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.71*	
06 46 36 00-0017	LF	1" x 5-1/2" Custom Shaped Ash	11.38	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.75*	
06 46 36 00-0018	LF	1" x 6-1/2" Custom Shaped Ash	12.89	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.79*	
06 46 36 00-0019	LF	1" x 7-1/2" Custom Shaped Ash	14.31	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.81*	
06 46 36 00-0020	LF	1" x 8-1/2" Custom Shaped Ash	15.75	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.83*	
06 46 36 00-0021	LF	1" x 9-1/2" Custom Shaped Ash	17.17	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.85*	
06 46 36 00-0022	LF	1" x 10-1/2" Custom Shaped Ash	18.70	1.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.89*	
06 46 36 00-0023	LF	1" x 11-1/2" Custom Shaped Ash	20.17	1.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.92*	
06 46 36 00-0024	LF	1-1/4" x 1-1/2" Custom Shaped Ash	6.50	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.67*	
06 46 36 00-0025	LF	1-1/4" x 2-1/2" Custom Shaped Ash	8.39	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.69*	
06 46 36 00-0026	LF	1-1/4" x 3-1/2" Custom Shaped Ash	10.28	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.71*	
06 46 36 00-0027	LF	1-1/4" x 4-1/2" Custom Shaped Ash	12.16	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.73*	
06 46 36 00-0028	LF	1-1/4" x 5-1/2" Custom Shaped Ash	14.13	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.77*	
06 46 36 00-0029	LF	1-1/4" x 6-1/2" Custom Shaped Ash	16.11	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.81*	
06 46 36 00-0030	LF	1-1/4" x 7-1/2" Custom Shaped Ash	17.98	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.83*	
06 46 36 00-0031	LF	1-1/4" x 8-1/2" Custom Shaped Ash	19.88	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.85*	
06 46 36 00-0032	LF	1-1/4" x 9-1/2" Custom Shaped Ash	21.73	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.86*	
06 46 36 00-0033	LF	1-1/4" x 10-1/2" Custom Shaped Ash	23.72	1.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.91*	
06 46 36 00-0034	LF	1-1/4" x 11-1/2" Custom Shaped Ash	25.64	1.25
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.94*	
06 46 36 00-0035	LF	1-1/2" x 1-1/2" Custom Shaped Ash	7.88	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.69*	
06 46 36 00-0036	LF	1-1/2" x 2-1/2" Custom Shaped Ash	10.41	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.71*	
06 46 36 00-0037	LF	1-1/2" x 3-1/2" Custom Shaped Ash	12.94	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.73*	
06 46 36 00-0038	LF	1-1/2" x 4-1/2" Custom Shaped Ash	15.47	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.75*	
06 46 36 00-0039	LF	1-1/2" x 5-1/2" Custom Shaped Ash	18.01	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.77*	
06 46 36 00-0040	LF	1-1/2" x 6-1/2" Custom Shaped Ash	20.71	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.83*	
06 46 36 00-0041	LF	1-1/2" x 7-1/2" Custom Shaped Ash	23.27	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.85*	
06 46 36 00-0042	LF	1-1/2" x 8-1/2" Custom Shaped Ash	25.78	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.87*	
06 46 36 00-0043	LF	1-1/2" x 9-1/2" Custom Shaped Ash	28.27	1.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.88*	
06 46 36 00-0044	LF	1-1/2" x 10-1/2" Custom Shaped Ash	31.16	1.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.93*	
06 46 36 00-0045	LF	1-1/2" x 11-1/2" Custom Shaped Ash	33.48	1.25
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.96*	

06 46 36 00-0046 Basswood *(06 46 36)*

06 46 36 00-0047	LF	3/4" x 1-1/2" Custom Shaped Basswood	4.10	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.63*	
06 46 36 00-0048	LF	3/4" x 2-1/2" Custom Shaped Basswood	4.86	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.66*	
06 46 36 00-0049	LF	3/4" x 3-1/2" Custom Shaped Basswood	5.62	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.68*	
06 46 36 00-0050	LF	3/4" x 4-1/2" Custom Shaped Basswood	6.37	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.69*	
06 46 36 00-0051	LF	3/4" x 5-1/2" Custom Shaped Basswood	7.22	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.74*	
06 46 36 00-0052	LF	3/4" x 6-1/2" Custom Shaped Basswood	8.06	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.78*	
06 46 36 00-0053	LF	3/4" x 7-1/2" Custom Shaped Basswood	8.82	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.79*	
06 46 36 00-0054	LF	3/4" x 8-1/2" Custom Shaped Basswood	9.60	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.82*	
06 46 36 00-0055	LF	3/4" x 9-1/2" Custom Shaped Basswood	10.31	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.83*	
06 46 36 00-0056	LF	3/4" x 10-1/2" Custom Shaped Basswood	11.17	1.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0057	LF	3/4" x 11-1/2" Custom Shaped Basswood	11.96	1.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.90*	
06 46 36 00-0058	LF	1" x 1-1/2" Custom Shaped Basswood	4.59	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.65*	
06 46 36 00-0059	LF	1" x 2-1/2" Custom Shaped Basswood	5.53	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.67*	
06 46 36 00-0060	LF	1" x 3-1/2" Custom Shaped Basswood	6.48	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.69*	
06 46 36 00-0061	LF	1" x 4-1/2" Custom Shaped Basswood	7.44	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.71*	
06 46 36 00-0062	LF	1" x 5-1/2" Custom Shaped Basswood	8.50	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.75*	
06 46 36 00-0063	LF	1" x 6-1/2" Custom Shaped Basswood	9.53	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.79*	
06 46 36 00-0064	LF	1" x 7-1/2" Custom Shaped Basswood	10.48	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.81*	
06 46 36 00-0065	LF	1" x 8-1/2" Custom Shaped Basswood	11.44	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.83*	
06 46 36 00-0066	LF	1" x 9-1/2" Custom Shaped Basswood	12.38	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.85*	
06 46 36 00-0067	LF	1" x 10-1/2" Custom Shaped Basswood	13.43	1.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.89*	
06 46 36 00-0068	LF	1" x 11-1/2" Custom Shaped Basswood	14.42	1.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.92*	
06 46 36 00-0069	LF	1-1/2" x 1-1/2" Custom Shaped Basswood	5.98	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.67*	
06 46 36 00-0070	LF	1-1/2" x 2-1/2" Custom Shaped Basswood	7.60	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.69*	
06 46 36 00-0071	LF	1-1/2" x 3-1/2" Custom Shaped Basswood	9.22	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.71*	
06 46 36 00-0072	LF	1-1/2" x 4-1/2" Custom Shaped Basswood	10.85	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.73*	
06 46 36 00-0073	LF	1-1/2" x 5-1/2" Custom Shaped Basswood	12.55	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.77*	
06 46 36 00-0074	LF	1-1/2" x 6-1/2" Custom Shaped Basswood	14.26	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.81*	
06 46 36 00-0075	LF	1-1/2" x 7-1/2" Custom Shaped Basswood	15.87	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.83*	
06 46 36 00-0076	LF	1-1/2" x 8-1/2" Custom Shaped Basswood	17.51	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.85*	
06 46 36 00-0077	LF	1-1/2" x 9-1/2" Custom Shaped Basswood	19.09	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.86*	
06 46 36 00-0078	LF	1-1/2" x 10-1/2" Custom Shaped Basswood	20.82	1.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.91*	
06 46 36 00-0079	LF	1-1/2" x 11-1/2" Custom Shaped Basswood	22.48	1.25
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.94*	
06 46 36 00-0080	LF	3-1/2" x 3-1/2" Custom Shaped Basswood	21.00	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.78*	
06 46 36 00-0081	LF	3-1/2" x 4-1/2" Custom Shaped Basswood	25.56	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.81*	
06 46 36 00-0082	LF	3-1/2" x 5-1/2" Custom Shaped Basswood	30.04	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.83*	
06 46 36 00-0083	LF	3-1/2" x 6-1/2" Custom Shaped Basswood	34.68	1.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.88*	
06 46 36 00-0084	LF	3-1/2" x 7-1/2" Custom Shaped Basswood	39.17	1.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.90*	
06 46 36 00-0085	LF	3-1/2" x 8-1/2" Custom Shaped Basswood	43.79	1.25
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.94*	
06 46 36 00-0086	LF	3-1/2" x 9-1/2" Custom Shaped Basswood	48.22	1.25
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.95*	
06 46 36 00-0087	LF	3-1/2" x 10-1/2" Custom Shaped Basswood	52.71	1.25
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.97*	
06 46 36 00-0088	LF	3-1/2" x 11-1/2" Custom Shaped Basswood	57.36	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.03*	

06 46 36 00-0089 Birch *(06 46 36)*

06 46 36 00-0090	LF	3/4" x 1-1/2" Custom Shaped Birch	4.34	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.63*	
06 46 36 00-0091	LF	3/4" x 2-1/2" Custom Shaped Birch	5.22	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.66*	
06 46 36 00-0092	LF	3/4" x 3-1/2" Custom Shaped Birch	6.10	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.68*	
06 46 36 00-0093	LF	3/4" x 4-1/2" Custom Shaped Birch	6.97	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.69*	
06 46 36 00-0094	LF	3/4" x 5-1/2" Custom Shaped Birch	7.94	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.74*	
06 46 36 00-0095	LF	3/4" x 6-1/2" Custom Shaped Birch	8.90	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.78*	
06 46 36 00-0096	LF	3/4" x 7-1/2" Custom Shaped Birch	9.77	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.79*	
06 46 36 00-0097	LF	3/4" x 8-1/2" Custom Shaped Birch	10.67	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0098	LF	3/4" x 9-1/2" Custom Shaped Birch	11.50	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.83*	
06 46 36 00-0099	LF	3/4" x 10-1/2" Custom Shaped Birch	12.49	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.87*	
06 46 36 00-0100	LF	3/4" x 11-1/2" Custom Shaped Birch	13.40	1.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.90*	
06 46 36 00-0101	LF	1" x 1-1/2" Custom Shaped Birch	4.95	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.65*	
06 46 36 00-0102	LF	1" x 2-1/2" Custom Shaped Birch	6.06	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.67*	
06 46 36 00-0103	LF	1" x 3-1/2" Custom Shaped Birch	7.20	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.69*	
06 46 36 00-0104	LF	1" x 4-1/2" Custom Shaped Birch	8.35	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.71*	
06 46 36 00-0105	LF	1" x 5-1/2" Custom Shaped Birch	9.58	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.75*	
06 46 36 00-0106	LF	1" x 6-1/2" Custom Shaped Birch	10.78	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.79*	
06 46 36 00-0107	LF	1" x 7-1/2" Custom Shaped Birch	11.91	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.81*	
06 46 36 00-0108	LF	1" x 8-1/2" Custom Shaped Birch	13.07	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.83*	
06 46 36 00-0109	LF	1" x 9-1/2" Custom Shaped Birch	14.17	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.85*	
06 46 36 00-0110	LF	1" x 10-1/2" Custom Shaped Birch	15.39	1.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.89*	
06 46 36 00-0111	LF	1" x 11-1/2" Custom Shaped Birch	16.58	1.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.92*	
06 46 36 00-0112	LF	1-1/4" x 1-1/2" Custom Shaped Birch	5.64	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.67*	
06 46 36 00-0113	LF	1-1/4" x 2-1/2" Custom Shaped Birch	7.10	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.69*	
06 46 36 00-0114	LF	1-1/4" x 3-1/2" Custom Shaped Birch	8.55	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.71*	
06 46 36 00-0115	LF	1-1/4" x 4-1/2" Custom Shaped Birch	10.01	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.73*	
06 46 36 00-0116	LF	1-1/4" x 5-1/2" Custom Shaped Birch	11.54	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.77*	
06 46 36 00-0117	LF	1-1/4" x 6-1/2" Custom Shaped Birch	13.09	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.81*	
06 46 36 00-0118	LF	1-1/4" x 7-1/2" Custom Shaped Birch	14.53	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.83*	
06 46 36 00-0119	LF	1-1/4" x 8-1/2" Custom Shaped Birch	16.00	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.85*	
06 46 36 00-0120	LF	1-1/4" x 9-1/2" Custom Shaped Birch	17.41	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.86*	
06 46 36 00-0121	LF	1-1/4" x 10-1/2" Custom Shaped Birch	18.98	1.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.91*	
06 46 36 00-0122	LF	1-1/4" x 11-1/2" Custom Shaped Birch	20.46	1.25
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.94*	
06 46 36 00-0123	LF	1-1/2" x 1-1/2" Custom Shaped Birch	6.73	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.69*	
06 46 36 00-0124	LF	1-1/2" x 2-1/2" Custom Shaped Birch	8.69	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.71*	
06 46 36 00-0125	LF	1-1/2" x 3-1/2" Custom Shaped Birch	10.64	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.73*	
06 46 36 00-0126	LF	1-1/2" x 4-1/2" Custom Shaped Birch	12.59	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.75*	
06 46 36 00-0127	LF	1-1/2" x 5-1/2" Custom Shaped Birch	14.56	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.77*	
06 46 36 00-0128	LF	1-1/2" x 6-1/2" Custom Shaped Birch	16.69	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.83*	
06 46 36 00-0129	LF	1-1/2" x 7-1/2" Custom Shaped Birch	18.63	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.85*	
06 46 36 00-0130	LF	1-1/2" x 8-1/2" Custom Shaped Birch	20.61	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.87*	
06 46 36 00-0131	LF	1-1/2" x 9-1/2" Custom Shaped Birch	22.52	1.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.88*	
06 46 36 00-0132	LF	1-1/2" x 10-1/2" Custom Shaped Birch	24.83	1.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.93*	
06 46 36 00-0133	LF	1-1/2" x 11-1/2" Custom Shaped Birch	26.58	1.25
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.96*	

06 46 36 00-0134 Clear Western Cedar *(06 46 36)*

06 46 36 00-0135	LF	3/4" x 1-1/2" Custom Shaped Clear West Cedar	4.34	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.63*	
06 46 36 00-0136	LF	3/4" x 2-1/2" Custom Shaped Clear West Cedar	5.22	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.66*	
06 46 36 00-0137	LF	3/4" x 3-1/2" Custom Shaped Clear West Cedar	6.10	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.68*	
06 46 36 00-0138	LF	3/4" x 4-1/2" Custom Shaped Clear West Cedar	6.97	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0139	LF	3/4" x 5-1/2" Custom Shaped Clear West Cedar	7.94	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.74*	
06 46 36 00-0140	LF	3/4" x 6-1/2" Custom Shaped Clear West Cedar	8.90	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.78*	
06 46 36 00-0141	LF	1" x 1-1/2" Custom Shaped Clear West Cedar	5.00	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.65*	
06 46 36 00-0142	LF	1" x 2-1/2" Custom Shaped Clear West Cedar	6.15	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.67*	
06 46 36 00-0143	LF	1" x 3-1/2" Custom Shaped Clear West Cedar	7.32	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.69*	
06 46 36 00-0144	LF	1" x 4-1/2" Custom Shaped Clear West Cedar	8.49	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.71*	
06 46 36 00-0145	LF	1" x 5-1/2" Custom Shaped Clear West Cedar	9.75	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.75*	
06 46 36 00-0146	LF	1" x 6-1/2" Custom Shaped Clear West Cedar	11.00	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.79*	
06 46 36 00-0147	LF	1-1/4" x 1-1/2" Custom Shaped Clear West Cedar	6.26	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.67*	
06 46 36 00-0148	LF	1-1/4" x 2-1/2" Custom Shaped Clear West Cedar	8.03	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.69*	
06 46 36 00-0149	LF	1-1/4" x 3-1/2" Custom Shaped Clear West Cedar	9.80	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.71*	
06 46 36 00-0150	LF	1-1/4" x 4-1/2" Custom Shaped Clear West Cedar	11.56	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.73*	
06 46 36 00-0151	LF	1-1/4" x 5-1/2" Custom Shaped Clear West Cedar	13.41	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.77*	
06 46 36 00-0152	LF	1-1/4" x 6-1/2" Custom Shaped Clear West Cedar	15.27	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.81*	
06 46 36 00-0153	LF	1-1/2" x 1-1/2" Custom Shaped Clear West Cedar	6.44	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.69*	
06 46 36 00-0154	LF	1-1/2" x 2-1/2" Custom Shaped Clear West Cedar	8.25	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.71*	
06 46 36 00-0155	LF	1-1/2" x 3-1/2" Custom Shaped Clear West Cedar	10.07	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.73*	
06 46 36 00-0156	LF	1-1/2" x 4-1/2" Custom Shaped Clear West Cedar	11.87	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.75*	
06 46 36 00-0157	LF	1-1/2" x 5-1/2" Custom Shaped Clear West Cedar	13.70	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.77*	
06 46 36 00-0158	LF	1-1/2" x 6-1/2" Custom Shaped Clear West Cedar	15.68	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.83*	
06 46 36 00-0159	LF	3-1/2" x 3-1/2" Custom Shaped Clear West Cedar	18.70	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.78*	
06 46 36 00-0160	LF	3-1/2" x 4-1/2" Custom Shaped Clear West Cedar	22.68	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.81*	
06 46 36 00-0161	LF	3-1/2" x 5-1/2" Custom Shaped Clear West Cedar	26.60	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.83*	
06 46 36 00-0162	LF	3-1/2" x 6-1/2" Custom Shaped Clear West Cedar	30.66	1.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.88*	
06 46 36 00-0163	LF	3-1/2" x 7-1/2" Custom Shaped Clear West Cedar	34.57	1.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.90*	
06 46 36 00-0164	LF	3-1/2" x 8-1/2" Custom Shaped Clear West Cedar	38.56	1.25
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.94*	
06 46 36 00-0165	LF	3-1/2" x 9-1/2" Custom Shaped Clear West Cedar	42.48	1.25
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.95*	
06 46 36 00-0166	LF	3-1/2" x 10-1/2" Custom Shaped Clear West Cedar	46.39	1.25
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.97*	
06 46 36 00-0167	LF	3-1/2" x 11-1/2" Custom Shaped Clear West Cedar	50.46	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.03*	

06 46 36 00-0168 Cherry *(06 46 36)*

06 46 36 00-0169	LF	3/4" x 1-1/2" Custom Shaped Cherry	5.11	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.63*	
06 46 36 00-0170	LF	3/4" x 2-1/2" Custom Shaped Cherry	6.37	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.66*	
06 46 36 00-0171	LF	3/4" x 3-1/2" Custom Shaped Cherry	7.63	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.68*	
06 46 36 00-0172	LF	3/4" x 4-1/2" Custom Shaped Cherry	8.89	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.69*	
06 46 36 00-0173	LF	3/4" x 5-1/2" Custom Shaped Cherry	10.24	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.74*	
06 46 36 00-0174	LF	3/4" x 6-1/2" Custom Shaped Cherry	11.59	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.78*	
06 46 36 00-0175	LF	3/4" x 7-1/2" Custom Shaped Cherry	12.84	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.79*	
06 46 36 00-0176	LF	3/4" x 8-1/2" Custom Shaped Cherry	14.12	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.82*	
06 46 36 00-0177	LF	3/4" x 9-1/2" Custom Shaped Cherry	15.34	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.83*	
06 46 36 00-0178	LF	3/4" x 10-1/2" Custom Shaped Cherry	16.70	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.87*	
06 46 36 00-0179	LF	3/4" x 11-1/2" Custom Shaped Cherry	17.99	1.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0180	LF	1" x 1-1/2" Custom Shaped Cherry	5.95	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.65*	
06 46 36 00-0181	LF	1" x 2-1/2" Custom Shaped Cherry	7.59	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.67*	
06 46 36 00-0182	LF	1" x 3-1/2" Custom Shaped Cherry	9.24	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.69*	
06 46 36 00-0183	LF	1" x 4-1/2" Custom Shaped Cherry	10.88	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.71*	
06 46 36 00-0184	LF	1" x 5-1/2" Custom Shaped Cherry	12.62	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.75*	
06 46 36 00-0185	LF	1" x 6-1/2" Custom Shaped Cherry	14.35	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.79*	
06 46 36 00-0186	LF	1" x 7-1/2" Custom Shaped Cherry	15.99	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.81*	
06 46 36 00-0187	LF	1" x 8-1/2" Custom Shaped Cherry	17.67	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.83*	
06 46 36 00-0188	LF	1" x 9-1/2" Custom Shaped Cherry	19.25	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.85*	
06 46 36 00-0189	LF	1" x 10-1/2" Custom Shaped Cherry	21.00	1.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.89*	
06 46 36 00-0190	LF	1" x 11-1/2" Custom Shaped Cherry	22.68	1.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.92*	
06 46 36 00-0191	LF	1-1/4" x 1-1/2" Custom Shaped Cherry	6.86	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.67*	
06 46 36 00-0192	LF	1-1/4" x 2-1/2" Custom Shaped Cherry	8.94	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.69*	
06 46 36 00-0193	LF	1-1/4" x 3-1/2" Custom Shaped Cherry	10.99	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.71*	
06 46 36 00-0194	LF	1-1/4" x 4-1/2" Custom Shaped Cherry	13.07	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.73*	
06 46 36 00-0195	LF	1-1/4" x 5-1/2" Custom Shaped Cherry	15.21	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.77*	
06 46 36 00-0196	LF	1-1/4" x 6-1/2" Custom Shaped Cherry	17.38	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.81*	
06 46 36 00-0197	LF	1-1/4" x 7-1/2" Custom Shaped Cherry	19.42	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.83*	
06 46 36 00-0198	LF	1-1/4" x 8-1/2" Custom Shaped Cherry	21.51	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.85*	
06 46 36 00-0199	LF	1-1/4" x 9-1/2" Custom Shaped Cherry	23.52	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.86*	
06 46 36 00-0200	LF	1-1/4" x 10-1/2" Custom Shaped Cherry	25.71	1.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.91*	
06 46 36 00-0201	LF	1-1/4" x 11-1/2" Custom Shaped Cherry	27.79	1.25
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.94*	
06 46 36 00-0202	LF	1-1/2" x 1-1/2" Custom Shaped Cherry	8.55	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.69*	
06 46 36 00-0203	LF	1-1/2" x 2-1/2" Custom Shaped Cherry	11.42	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.71*	
06 46 36 00-0204	LF	1-1/2" x 3-1/2" Custom Shaped Cherry	14.28	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.73*	
06 46 36 00-0205	LF	1-1/2" x 4-1/2" Custom Shaped Cherry	17.14	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.75*	
06 46 36 00-0206	LF	1-1/2" x 5-1/2" Custom Shaped Cherry	20.02	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.77*	
06 46 36 00-0207	LF	1-1/2" x 6-1/2" Custom Shaped Cherry	23.06	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.83*	
06 46 36 00-0208	LF	1-1/2" x 7-1/2" Custom Shaped Cherry	25.91	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.85*	
06 46 36 00-0209	LF	1-1/2" x 8-1/2" Custom Shaped Cherry	28.80	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.87*	
06 46 36 00-0210	LF	1-1/2" x 9-1/2" Custom Shaped Cherry	31.63	1.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.88*	
06 46 36 00-0211	LF	1-1/2" x 10-1/2" Custom Shaped Cherry	34.65	1.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.93*	
06 46 36 00-0212	LF	1-1/2" x 11-1/2" Custom Shaped Cherry	37.50	1.25
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.96*	
06 46 36 00-0213		Cypress *(06 46 36)*		
06 46 36 00-0214	LF	3/4" x 1-1/2" Custom Shaped Cypress	4.10	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.63*	
06 46 36 00-0215	LF	3/4" x 2-1/2" Custom Shaped Cypress	4.86	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.66*	
06 46 36 00-0216	LF	3/4" x 3-1/2" Custom Shaped Cypress	5.62	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.68*	
06 46 36 00-0217	LF	3/4" x 4-1/2" Custom Shaped Cypress	6.37	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.69*	
06 46 36 00-0218	LF	3/4" x 5-1/2" Custom Shaped Cypress	7.22	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.74*	
06 46 36 00-0219	LF	3/4" x 6-1/2" Custom Shaped Cypress	8.06	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.78*	
06 46 36 00-0220	LF	3/4" x 7-1/2" Custom Shaped Cypress	9.01	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0221	LF	3/4" x 8-1/2" Custom Shaped Cypress	9.81	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.82*	
06 46 36 00-0222	LF	3/4" x 9-1/2" Custom Shaped Cypress	11.27	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.83*	
06 46 36 00-0223	LF	3/4" x 10-1/2" Custom Shaped Cypress	12.22	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.87*	
06 46 36 00-0224	LF	1" x 1-1/2" Custom Shaped Cypress	5.19	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.65*	
06 46 36 00-0225	LF	1" x 2-1/2" Custom Shaped Cypress	6.42	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.67*	
06 46 36 00-0226	LF	1" x 3-1/2" Custom Shaped Cypress	7.68	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.69*	
06 46 36 00-0227	LF	1" x 4-1/2" Custom Shaped Cypress	8.94	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.71*	
06 46 36 00-0228	LF	1" x 5-1/2" Custom Shaped Cypress	10.30	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.75*	
06 46 36 00-0229	LF	1" x 6-1/2" Custom Shaped Cypress	11.62	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.79*	
06 46 36 00-0230	LF	1" x 7-1/2" Custom Shaped Cypress	12.87	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.81*	
06 46 36 00-0231	LF	1" x 8-1/2" Custom Shaped Cypress	14.15	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.83*	
06 46 36 00-0232	LF	1" x 9-1/2" Custom Shaped Cypress	15.37	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.85*	
06 46 36 00-0233	LF	1" x 10-1/2" Custom Shaped Cypress	16.76	1.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.89*	
06 46 36 00-0234	LF	1" x 11-1/2" Custom Shaped Cypress	18.01	1.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.92*	
06 46 36 00-0235	LF	1-1/2" x 1-1/2" Custom Shaped Cypress	5.96	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.69*	
06 46 36 00-0236	LF	1-1/2" x 2-1/2" Custom Shaped Cypress	7.54	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.71*	
06 46 36 00-0237	LF	1-1/2" x 3-1/2" Custom Shaped Cypress	9.11	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.73*	
06 46 36 00-0238	LF	1-1/2" x 4-1/2" Custom Shaped Cypress	10.68	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.75*	
06 46 36 00-0239	LF	1-1/2" x 5-1/2" Custom Shaped Cypress	12.26	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.77*	
06 46 36 00-0240	LF	1-1/2" x 6-1/2" Custom Shaped Cypress	14.01	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.83*	
06 46 36 00-0241	LF	1-1/2" x 7-1/2" Custom Shaped Cypress	15.56	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.85*	
06 46 36 00-0242	LF	1-1/2" x 8-1/2" Custom Shaped Cypress	17.16	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.87*	
06 46 36 00-0243	LF	1-1/2" x 9-1/2" Custom Shaped Cypress	20.13	1.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.88*	
06 46 36 00-0244	LF	1-1/2" x 10-1/2" Custom Shaped Cypress	21.91	1.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.93*	
06 46 36 00-0245		Fir *(06 46 36)*		
06 46 36 00-0246	LF	3/4" x 1-1/2" Custom Shaped Fir	4.48	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.63*	
06 46 36 00-0247	LF	3/4" x 2-1/2" Custom Shaped Fir	5.44	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.66*	
06 46 36 00-0248	LF	3/4" x 3-1/2" Custom Shaped Fir	6.39	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.68*	
06 46 36 00-0249	LF	3/4" x 4-1/2" Custom Shaped Fir	7.33	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.69*	
06 46 36 00-0250	LF	3/4" x 5-1/2" Custom Shaped Fir	8.37	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.74*	
06 46 36 00-0251	LF	3/4" x 6-1/2" Custom Shaped Fir	9.41	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.78*	
06 46 36 00-0252	LF	3/4" x 7-1/2" Custom Shaped Fir	10.35	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.79*	
06 46 36 00-0253	LF	3/4" x 8-1/2" Custom Shaped Fir	11.32	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.82*	
06 46 36 00-0254	LF	3/4" x 9-1/2" Custom Shaped Fir	12.22	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.83*	
06 46 36 00-0255	LF	3/4" x 10-1/2" Custom Shaped Fir	13.28	1.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.87*	
06 46 36 00-0256	LF	1" x 1-1/2" Custom Shaped Fir	5.19	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.65*	
06 46 36 00-0257	LF	1" x 2-1/2" Custom Shaped Fir	6.42	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.67*	
06 46 36 00-0258	LF	1" x 3-1/2" Custom Shaped Fir	7.68	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.69*	
06 46 36 00-0259	LF	1" x 4-1/2" Custom Shaped Fir	8.94	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.71*	
06 46 36 00-0260	LF	1" x 5-1/2" Custom Shaped Fir	10.30	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.75*	
06 46 36 00-0261	LF	1" x 6-1/2" Custom Shaped Fir	11.62	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0262	LF	1" x 7-1/2" Custom Shaped Fir	12.87	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.81*	
06 46 36 00-0263	LF	1" x 8-1/2" Custom Shaped Fir	14.15	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.83*	
06 46 36 00-0264	LF	1" x 9-1/2" Custom Shaped Fir	15.37	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.85*	
06 46 36 00-0265	LF	1" x 10-1/2" Custom Shaped Fir	16.76	1.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.89*	
06 46 36 00-0266	LF	1" x 11-1/2" Custom Shaped Fir	18.01	1.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.92*	
06 46 36 00-0267	LF	1-1/4" x 1-1/2" Custom Shaped Fir	5.71	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.67*	
06 46 36 00-0268	LF	1-1/4" x 2-1/2" Custom Shaped Fir	7.22	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.69*	
06 46 36 00-0269	LF	1-1/4" x 3-1/2" Custom Shaped Fir	8.70	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.71*	
06 46 36 00-0270	LF	1-1/4" x 4-1/2" Custom Shaped Fir	10.20	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.73*	
06 46 36 00-0271	LF	1-1/4" x 5-1/2" Custom Shaped Fir	11.76	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.77*	
06 46 36 00-0272	LF	1-1/4" x 6-1/2" Custom Shaped Fir	13.35	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.81*	
06 46 36 00-0273	LF	1-1/4" x 7-1/2" Custom Shaped Fir	14.82	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.83*	
06 46 36 00-0274	LF	1-1/4" x 8-1/2" Custom Shaped Fir	16.33	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.85*	
06 46 36 00-0275	LF	1-1/4" x 9-1/2" Custom Shaped Fir	17.77	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.86*	
06 46 36 00-0276	LF	1-1/4" x 10-1/2" Custom Shaped Fir	19.39	1.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.91*	
06 46 36 00-0277	LF	1-1/4" x 11-1/2" Custom Shaped Fir	20.90	1.25
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.94*	
06 46 36 00-0278	LF	1-1/2" x 1-1/2" Custom Shaped Fir	6.44	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.69*	
06 46 36 00-0279	LF	1-1/2" x 2-1/2" Custom Shaped Fir	8.25	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.71*	
06 46 36 00-0280	LF	1-1/2" x 3-1/2" Custom Shaped Fir	10.07	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.73*	
06 46 36 00-0281	LF	1-1/2" x 4-1/2" Custom Shaped Fir	11.87	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.75*	
06 46 36 00-0282	LF	1-1/2" x 5-1/2" Custom Shaped Fir	13.70	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.77*	
06 46 36 00-0283	LF	1-1/2" x 6-1/2" Custom Shaped Fir	15.68	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.83*	
06 46 36 00-0284	LF	1-1/2" x 7-1/2" Custom Shaped Fir	17.48	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.85*	
06 46 36 00-0285	LF	1-1/2" x 8-1/2" Custom Shaped Fir	19.31	1.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.87*	
06 46 36 00-0286	LF	1-1/2" x 9-1/2" Custom Shaped Fir	21.09	1.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.88*	
06 46 36 00-0287	LF	1-1/2" x 10-1/2" Custom Shaped Fir	23.01	1.25
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.93*	
06 46 36 00-0288	LF	1-1/2" x 11-1/2" Custom Shaped Fir	24.86	1.25
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.96*	
06 46 36 00-0289	LF	2-1/2" x 1-1/2" Custom Shaped Fir	10.03	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.72*	
06 46 36 00-0290	LF	2-1/2" x 2-1/2" Custom Shaped Fir	13.56	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.74*	
06 46 36 00-0291	LF	2-1/2" x 3-1/2" Custom Shaped Fir	17.09	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.76*	
06 46 36 00-0292	LF	2-1/2" x 4-1/2" Custom Shaped Fir	20.69	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.79*	
06 46 36 00-0293	LF	2-1/2" x 5-1/2" Custom Shaped Fir	24.22	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.81*	
06 46 36 00-0294	LF	2-1/2" x 6-1/2" Custom Shaped Fir	27.90	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.86*	
06 46 36 00-0295	LF	2-1/2" x 7-1/2" Custom Shaped Fir	31.42	1.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.88*	
06 46 36 00-0296	LF	2-1/2" x 8-1/2" Custom Shaped Fir	35.09	1.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.92*	
06 46 36 00-0297	LF	2-1/2" x 9-1/2" Custom Shaped Fir	38.56	1.25
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.94*	
06 46 36 00-0298	LF	2-1/2" x 10-1/2" Custom Shaped Fir	42.09	1.25
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.95*	
06 46 36 00-0299	LF	3-1/2" x 3-1/2" Custom Shaped Fir	21.05	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.78*	
06 46 36 00-0300	LF	3-1/2" x 4-1/2" Custom Shaped Fir	25.56	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.81*	
06 46 36 00-0301	LF	3-1/2" x 5-1/2" Custom Shaped Fir	30.04	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.83*	
06 46 36 00-0302	LF	3-1/2" x 6-1/2" Custom Shaped Fir	34.68	1.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.88*	
06 46 36 00-0303	LF	3-1/2" x 7-1/2" Custom Shaped Fir	39.17	1.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0304	LF	3-1/2" x 8-1/2" Custom Shaped Fir	43.74	1.25
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.94*	
06 46 36 00-0305	LF	3-1/2" x 9-1/2" Custom Shaped Fir	48.22	1.25
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.95*	
06 46 36 00-0306	LF	3-1/2" x 10-1/2" Custom Shaped Fir	52.71	1.25
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.97*	
06 46 36 00-0307		Honduran Mahogany *(06 46 36)*		
06 46 36 00-0308	LF	3/4" x 1-1/2" Custom Shaped Honduras Mahogany	5.39	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.63*	
06 46 36 00-0309	LF	3/4" x 2-1/2" Custom Shaped Honduras Mahogany	6.80	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.66*	
06 46 36 00-0310	LF	3/4" x 3-1/2" Custom Shaped Honduras Mahogany	8.21	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.68*	
06 46 36 00-0311	LF	3/4" x 4-1/2" Custom Shaped Honduras Mahogany	9.61	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.69*	
06 46 36 00-0312	LF	3/4" x 5-1/2" Custom Shaped Honduras Mahogany	11.10	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.74*	
06 46 36 00-0313	LF	3/4" x 6-1/2" Custom Shaped Honduras Mahogany	12.59	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.78*	
06 46 36 00-0314	LF	3/4" x 7-1/2" Custom Shaped Honduras Mahogany	13.99	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.79*	
06 46 36 00-0315	LF	3/4" x 8-1/2" Custom Shaped Honduras Mahogany	15.42	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.82*	
06 46 36 00-0316	LF	3/4" x 9-1/2" Custom Shaped Honduras Mahogany	16.77	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.83*	
06 46 36 00-0317	LF	3/4" x 10-1/2" Custom Shaped Honduras Mahogany	18.28	1.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.87*	
06 46 36 00-0318	LF	3/4" x 11-1/2" Custom Shaped Honduras Mahogany	19.72	1.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.90*	
06 46 36 00-0319	LF	1" x 1-1/2" Custom Shaped Honduras Mahogany	6.39	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.65*	
06 46 36 00-0320	LF	1" x 2-1/2" Custom Shaped Honduras Mahogany	8.21	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.67*	
06 46 36 00-0321	LF	1" x 3-1/2" Custom Shaped Honduras Mahogany	10.08	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.69*	
06 46 36 00-0322	LF	1" x 4-1/2" Custom Shaped Honduras Mahogany	11.94	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.71*	
06 46 36 00-0323	LF	1" x 5-1/2" Custom Shaped Honduras Mahogany	13.89	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.75*	
06 46 36 00-0324	LF	1" x 6-1/2" Custom Shaped Honduras Mahogany	15.81	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.79*	
06 46 36 00-0325	LF	1" x 7-1/2" Custom Shaped Honduras Mahogany	17.66	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.81*	
06 46 36 00-0326	LF	1" x 8-1/2" Custom Shaped Honduras Mahogany	19.54	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.83*	
06 46 36 00-0327	LF	1" x 9-1/2" Custom Shaped Honduras Mahogany	21.36	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.85*	
06 46 36 00-0328	LF	1" x 10-1/2" Custom Shaped Honduras Mahogany	23.30	1.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.89*	
06 46 36 00-0329	LF	1" x 11-1/2" Custom Shaped Honduras Mahogany	25.44	1.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.92*	
06 46 36 00-0330	LF	1-1/4" x 1-1/2" Custom Shaped Honduras Mahogany	7.15	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.67*	
06 46 36 00-0331	LF	1-1/4" x 2-1/2" Custom Shaped Honduras Mahogany	9.37	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.69*	
06 46 36 00-0332	LF	1-1/4" x 3-1/2" Custom Shaped Honduras Mahogany	11.57	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.71*	
06 46 36 00-0333	LF	1-1/4" x 4-1/2" Custom Shaped Honduras Mahogany	13.79	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.73*	
06 46 36 00-0334	LF	1-1/4" x 5-1/2" Custom Shaped Honduras Mahogany	16.07	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.77*	
06 46 36 00-0335	LF	1-1/4" x 6-1/2" Custom Shaped Honduras Mahogany	18.38	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.81*	
06 46 36 00-0336	LF	1-1/4" x 7-1/2" Custom Shaped Honduras Mahogany	20.57	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.83*	
06 46 36 00-0337	LF	1-1/4" x 8-1/2" Custom Shaped Honduras Mahogany	22.80	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.85*	
06 46 36 00-0338	LF	1-1/4" x 9-1/2" Custom Shaped Honduras Mahogany	24.48	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.86*	
06 46 36 00-0339	LF	1-1/4" x 10-1/2" Custom Shaped Honduras Mahogany	27.29	1.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.91*	
06 46 36 00-0340	LF	1-1/4" x 11-1/2" Custom Shaped Honduras Mahogany	29.52	1.25
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.94*	
06 46 36 00-0341	LF	1-1/2" x 1-1/2" Custom Shaped Honduras Mahogany	8.64	0.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.69*	
06 46 36 00-0342	LF	1-1/2" x 2-1/2" Custom Shaped Honduras Mahogany	11.56	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.71*	
06 46 36 00-0343	LF	1-1/2" x 3-1/2" Custom Shaped Honduras Mahogany	14.48	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.73*	
06 46 36 00-0344	LF	1-1/2" x 4-1/2" Custom Shaped Honduras Mahogany	17.38	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0345	LF	1-1/2" x 5-1/2" Custom Shaped Honduras Mahogany	20.31	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.77*	
06 46 36 00-0346	LF	1-1/2" x 6-1/2" Custom Shaped Honduras Mahogany	23.40	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.83*	
06 46 36 00-0347	LF	1-1/2" x 7-1/2" Custom Shaped Honduras Mahogany	26.29	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.85*	
06 46 36 00-0348	LF	1-1/2" x 8-1/2" Custom Shaped Honduras Mahogany	29.23	1.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.87*	
06 46 36 00-0349	LF	1-1/2" x 9-1/2" Custom Shaped Honduras Mahogany	32.11	1.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.88*	
06 46 36 00-0350	LF	1-1/2" x 10-1/2" Custom Shaped Honduras Mahogany	35.13	1.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.93*	
06 46 36 00-0351	LF	1-1/2" x 11-1/2" Custom Shaped Honduras Mahogany	38.13	1.25
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.96*	
06 46 36 00-0352	LF	2" x 1-1/2" Custom Shaped Honduras Mahogany	10.12	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.70*	
06 46 36 00-0353	LF	2" x 2-1/2" Custom Shaped Honduras Mahogany	13.75	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.72*	
06 46 36 00-0354	LF	2" x 3-1/2" Custom Shaped Honduras Mahogany	17.34	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.74*	
06 46 36 00-0355	LF	2" x 4-1/2" Custom Shaped Honduras Mahogany	21.04	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.77*	
06 46 36 00-0356	LF	2" x 5-1/2" Custom Shaped Honduras Mahogany	24.65	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.79*	
06 46 36 00-0357	LF	2" x 6-1/2" Custom Shaped Honduras Mahogany	28.42	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.85*	
06 46 36 00-0358	LF	2" x 7-1/2" Custom Shaped Honduras Mahogany	32.02	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.86*	
06 46 36 00-0359	LF	2" x 8-1/2" Custom Shaped Honduras Mahogany	35.72	1.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.90*	
06 46 36 00-0360	LF	2" x 9-1/2" Custom Shaped Honduras Mahogany	39.32	1.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.92*	
06 46 36 00-0361	LF	2" x 10-1/2" Custom Shaped Honduras Mahogany	42.96	1.25
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.94*	
06 46 36 00-0362	LF	2" x 11-1/2" Custom Shaped Honduras Mahogany	46.71	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.99*	
06 46 36 00-0363	LF	2-1/2" x 1-1/2" Custom Shaped Honduras Mahogany	12.23	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.72*	
06 46 36 00-0364	LF	2-1/2" x 2-1/2" Custom Shaped Honduras Mahogany	16.14	0.94
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.74*	
06 46 36 00-0365	LF	2-1/2" x 3-1/2" Custom Shaped Honduras Mahogany	20.54	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.76*	
06 46 36 00-0366	LF	2-1/2" x 4-1/2" Custom Shaped Honduras Mahogany	25.00	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.79*	
06 46 36 00-0367	LF	2-1/2" x 5-1/2" Custom Shaped Honduras Mahogany	29.39	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.81*	
06 46 36 00-0368	LF	2-1/2" x 6-1/2" Custom Shaped Honduras Mahogany	33.93	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.86*	
06 46 36 00-0369	LF	2-1/2" x 7-1/2" Custom Shaped Honduras Mahogany	38.32	1.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.88*	
06 46 36 00-0370	LF	2-1/2" x 8-1/2" Custom Shaped Honduras Mahogany	42.80	1.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.92*	
06 46 36 00-0371	LF	2-1/2" x 9-1/2" Custom Shaped Honduras Mahogany	47.19	1.25
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.94*	
06 46 36 00-0372	LF	2-1/2" x 10-1/2" Custom Shaped Honduras Mahogany	51.58	1.25
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.95*	
06 46 36 00-0373	LF	2-1/2" x 11-1/2" Custom Shaped Honduras Mahogany	56.13	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.01*	
06 46 36 00-0374	LF	3-1/2" x 3-1/2" Custom Shaped Honduras Mahogany	27.52	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.78*	
06 46 36 00-0375	LF	3-1/2" x 4-1/2" Custom Shaped Honduras Mahogany	33.70	1.02
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.81*	
06 46 36 00-0376	LF	3-1/2" x 5-1/2" Custom Shaped Honduras Mahogany	39.82	1.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.83*	
06 46 36 00-0377	LF	3-1/2" x 6-1/2" Custom Shaped Honduras Mahogany	46.08	1.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.88*	
06 46 36 00-0378	LF	3-1/2" x 7-1/2" Custom Shaped Honduras Mahogany	52.20	1.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.90*	
06 46 36 00-0379	LF	3-1/2" x 8-1/2" Custom Shaped Honduras Mahogany	58.40	1.25
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.94*	
06 46 36 00-0380	LF	3-1/2" x 9-1/2" Custom Shaped Honduras Mahogany	64.51	1.25
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.95*	
06 46 36 00-0381	LF	3-1/2" x 10-1/2" Custom Shaped Honduras Mahogany	70.63	1.25
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.97*	
06 46 36 00-0382	LF	3-1/2" x 11-1/2" Custom Shaped Honduras Mahogany	76.91	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.03*	

06 46 36 00-0383 Maple *(06 46 36)*

06 46 36 00-0384	LF	3/4" x 1-1/2" Custom Shaped Maple	4.29	0.87
06 46 36 00-0385	LF	3/4" x 2-1/2" Custom Shaped Maple	5.15	0.87
06 46 36 00-0386	LF	3/4" x 3-1/2" Custom Shaped Maple	6.01	0.87
06 46 36 00-0387	LF	3/4" x 4-1/2" Custom Shaped Maple	6.85	0.94
06 46 36 00-0388	LF	3/4" x 5-1/2" Custom Shaped Maple	7.80	0.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0389	LF	3/4" x 6-1/2" Custom Shaped Maple	8.74	1.02
06 46 36 00-0390	LF	3/4" x 7-1/2" Custom Shaped Maple	9.58	1.02
06 46 36 00-0391	LF	3/4" x 8-1/2" Custom Shaped Maple	10.46	1.02
06 46 36 00-0392	LF	3/4" x 9-1/2" Custom Shaped Maple	11.27	1.10
06 46 36 00-0393	LF	3/4" x 10-1/2" Custom Shaped Maple	12.22	1.18
06 46 36 00-0394	LF	3/4" x 11-1/2" Custom Shaped Maple	13.11	1.18
06 46 36 00-0395	LF	1" x 1-1/2" Custom Shaped Maple	4.95	0.87
06 46 36 00-0396	LF	1" x 2-1/2" Custom Shaped Maple	6.06	0.87
06 46 36 00-0397	LF	1" x 3-1/2" Custom Shaped Maple	7.20	0.94
06 46 36 00-0398	LF	1" x 4-1/2" Custom Shaped Maple	8.35	0.94
06 46 36 00-0399	LF	1" x 5-1/2" Custom Shaped Maple	9.58	1.02
06 46 36 00-0400	LF	1" x 6-1/2" Custom Shaped Maple	10.78	1.02
06 46 36 00-0401	LF	1" x 7-1/2" Custom Shaped Maple	11.91	1.02
06 46 36 00-0402	LF	1" x 8-1/2" Custom Shaped Maple	13.07	1.10
06 46 36 00-0403	LF	1" x 9-1/2" Custom Shaped Maple	14.17	1.10
06 46 36 00-0404	LF	1" x 10-1/2" Custom Shaped Maple	14.91	1.18
06 46 36 00-0405	LF	1" x 11-1/2" Custom Shaped Maple	16.58	1.18
06 46 36 00-0406	LF	1-1/4" x 1-1/2" Custom Shaped Maple	5.50	0.87
06 46 36 00-0407	LF	1-1/4" x 2-1/2" Custom Shaped Maple	6.88	0.87
06 46 36 00-0408	LF	1-1/4" x 3-1/2" Custom Shaped Maple	8.26	0.94
06 46 36 00-0409	LF	1-1/4" x 4-1/2" Custom Shaped Maple	9.65	0.94
06 46 36 00-0410	LF	1-1/4" x 5-1/2" Custom Shaped Maple	11.11	1.02
06 46 36 00-0411	LF	1-1/4" x 6-1/2" Custom Shaped Maple	12.58	1.02
06 46 36 00-0412	LF	1-1/4" x 7-1/2" Custom Shaped Maple	13.96	1.10
06 46 36 00-0413	LF	1-1/4" x 8-1/2" Custom Shaped Maple	15.35	1.10
06 46 36 00-0414	LF	1-1/4" x 9-1/2" Custom Shaped Maple	16.69	1.10
06 46 36 00-0415	LF	1-1/4" x 10-1/2" Custom Shaped Maple	18.19	1.18
06 46 36 00-0416	LF	1-1/4" x 11-1/2" Custom Shaped Maple	19.60	1.25
06 46 36 00-0417	LF	1-1/2" x 1-1/2" Custom Shaped Maple	6.63	0.87
06 46 36 00-0418	LF	1-1/2" x 2-1/2" Custom Shaped Maple	8.54	0.94
06 46 36 00-0419	LF	1-1/2" x 3-1/2" Custom Shaped Maple	10.45	0.94
06 46 36 00-0420	LF	1-1/2" x 4-1/2" Custom Shaped Maple	12.35	1.02
06 46 36 00-0421	LF	1-1/2" x 5-1/2" Custom Shaped Maple	14.27	1.02
06 46 36 00-0422	LF	1-1/2" x 6-1/2" Custom Shaped Maple	16.35	1.10
06 46 36 00-0423	LF	1-1/2" x 7-1/2" Custom Shaped Maple	18.24	1.10
06 46 36 00-0424	LF	1-1/2" x 8-1/2" Custom Shaped Maple	20.41	1.18
06 46 36 00-0425	LF	1-1/2" x 9-1/2" Custom Shaped Maple	22.04	1.18
06 46 36 00-0426	LF	1-1/2" x 10-1/2" Custom Shaped Maple	24.11	1.25
06 46 36 00-0427	LF	1-1/2" x 11-1/2" Custom Shaped Maple	26.01	1.25
06 46 36 00-0428	LF	2" x 1-1/2" Custom Shaped Maple	8.44	0.94
06 46 36 00-0429	LF	2" x 2-1/2" Custom Shaped Maple	11.24	0.94
06 46 36 00-0430	LF	2" x 3-1/2" Custom Shaped Maple	13.99	0.94
06 46 36 00-0431	LF	2" x 4-1/2" Custom Shaped Maple	16.85	1.02
06 46 36 00-0432	LF	2" x 5-1/2" Custom Shaped Maple	19.62	1.02
06 46 36 00-0433	LF	2" x 6-1/2" Custom Shaped Maple	22.56	1.10
06 46 36 00-0434	LF	2" x 7-1/2" Custom Shaped Maple	25.31	1.10
06 46 36 00-0435	LF	2" x 8-1/2" Custom Shaped Maple	28.17	1.18
06 46 36 00-0436	LF	2" x 9-1/2" Custom Shaped Maple	30.94	1.18
06 46 36 00-0437	LF	2" x 10-1/2" Custom Shaped Maple	33.73	1.25
06 46 36 00-0438	LF	2" x 11-1/2" Custom Shaped Maple	36.89	1.33
06 46 36 00-0439	LF	3-1/2" x 3-1/2" Custom Shaped Maple	29.43	1.02
06 46 36 00-0440	LF	3-1/2" x 4-1/2" Custom Shaped Maple	36.10	1.02
06 46 36 00-0441	LF	3-1/2" x 5-1/2" Custom Shaped Maple	42.69	1.10
06 46 36 00-0442	LF	3-1/2" x 6-1/2" Custom Shaped Maple	49.44	1.18
06 46 36 00-0443	LF	3-1/2" x 7-1/2" Custom Shaped Maple	56.03	1.18
06 46 36 00-0444	LF	3-1/2" x 8-1/2" Custom Shaped Maple	62.71	1.25
06 46 36 00-0445	LF	3-1/2" x 9-1/2" Custom Shaped Maple	69.30	1.25
06 46 36 00-0446	LF	3-1/2" x 10-1/2" Custom Shaped Maple	75.90	1.25
06 46 36 00-0447	LF	3-1/2" x 11-1/2" Custom Shaped Maple	82.65	1.33

06 46 36 00-0448 Appl Soft Maple *(06 46 36)*

06 46 36 00-0449	LF	3/4" x 1-1/2" Custom Shaped Appl Soft Maple	4.34	0.87
06 46 36 00-0450	LF	3/4" x 2-1/2" Custom Shaped Appl Soft Maple	5.22	0.87
06 46 36 00-0451	LF	3/4" x 3-1/2" Custom Shaped Appl Soft Maple	6.10	0.87
06 46 36 00-0452	LF	3/4" x 4-1/2" Custom Shaped Appl Soft Maple	6.97	0.94
06 46 36 00-0453	LF	3/4" x 5-1/2" Custom Shaped Appl Soft Maple	7.94	0.94
06 46 36 00-0454	LF	3/4" x 6-1/2" Custom Shaped Appl Soft Maple	8.90	1.02
06 46 36 00-0455	LF	3/4" x 7-1/2" Custom Shaped Appl Soft Maple	9.77	1.02
06 46 36 00-0456	LF	3/4" x 8-1/2" Custom Shaped Appl Soft Maple	10.67	1.02
06 46 36 00-0457	LF	3/4" x 9-1/2" Custom Shaped Appl Soft Maple	11.50	1.10
06 46 36 00-0458	LF	3/4" x 10-1/2" Custom Shaped Appl Soft Maple	12.49	1.18
06 46 36 00-0459	LF	3/4" x 11-1/2" Custom Shaped Appl Soft Maple	13.40	1.18
06 46 36 00-0460	LF	1" x 1-1/2" Custom Shaped Appl Soft Maple	4.83	0.87
06 46 36 00-0461	LF	1" x 2-1/2" Custom Shaped Appl Soft Maple	5.89	0.87
06 46 36 00-0462	LF	1" x 3-1/2" Custom Shaped Appl Soft Maple	6.96	0.94
06 46 36 00-0463	LF	1" x 4-1/2" Custom Shaped Appl Soft Maple	8.01	0.94
06 46 36 00-0464	LF	1" x 5-1/2" Custom Shaped Appl Soft Maple	9.22	1.02
06 46 36 00-0465	LF	1" x 6-1/2" Custom Shaped Appl Soft Maple	10.37	1.02
06 46 36 00-0466	LF	1" x 7-1/2" Custom Shaped Appl Soft Maple	11.43	1.02
06 46 36 00-0467	LF	1" x 8-1/2" Custom Shaped Appl Soft Maple	12.52	1.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0468	LF	1" x 9-1/2" Custom Shaped Appl Soft Maple	13.57	1.10
06 46 36 00-0469	LF	1" x 10-1/2" Custom Shaped Appl Soft Maple	14.74	1.18
06 46 36 00-0470	LF	1" x 11-1/2" Custom Shaped Appl Soft Maple	15.86	1.18
06 46 36 00-0471	LF	1-1/4" x 1-1/2" Custom Shaped Appl Soft Maple	5.28	0.87
06 46 36 00-0472	LF	1-1/4" x 2-1/2" Custom Shaped Appl Soft Maple	6.57	0.87
06 46 36 00-0473	LF	1-1/4" x 3-1/2" Custom Shaped Appl Soft Maple	7.83	0.94
06 46 36 00-0474	LF	1-1/4" x 4-1/2" Custom Shaped Appl Soft Maple	9.12	0.94
06 46 36 00-0475	LF	1-1/4" x 5-1/2" Custom Shaped Appl Soft Maple	10.46	1.02
06 46 36 00-0476	LF	1-1/4" x 6-1/2" Custom Shaped Appl Soft Maple	11.84	1.02
06 46 36 00-0477	LF	1-1/4" x 7-1/2" Custom Shaped Appl Soft Maple	13.10	1.10
06 46 36 00-0478	LF	1-1/4" x 8-1/2" Custom Shaped Appl Soft Maple	14.39	1.10
06 46 36 00-0479	LF	1-1/4" x 9-1/2" Custom Shaped Appl Soft Maple	15.62	1.10
06 46 36 00-0480	LF	1-1/4" x 10-1/2" Custom Shaped Appl Soft Maple	17.01	1.18
06 46 36 00-0481	LF	1-1/4" x 11-1/2" Custom Shaped Appl Soft Maple	18.31	1.25
06 46 36 00-0482	LF	1-1/2" x 1-1/2" Custom Shaped Appl Soft Maple	6.15	0.87
06 46 36 00-0483	LF	1-1/2" x 2-1/2" Custom Shaped Appl Soft Maple	7.82	0.94
06 46 36 00-0484	LF	1-1/2" x 3-1/2" Custom Shaped Appl Soft Maple	9.49	0.94
06 46 36 00-0485	LF	1-1/2" x 4-1/2" Custom Shaped Appl Soft Maple	11.15	1.02
06 46 36 00-0486	LF	1-1/2" x 5-1/2" Custom Shaped Appl Soft Maple	12.84	1.02
06 46 36 00-0487	LF	1-1/2" x 6-1/2" Custom Shaped Appl Soft Maple	14.68	1.10
06 46 36 00-0488	LF	1-1/2" x 7-1/2" Custom Shaped Appl Soft Maple	16.33	1.10
06 46 36 00-0489	LF	1-1/2" x 8-1/2" Custom Shaped Appl Soft Maple	18.02	1.18
06 46 36 00-0490	LF	1-1/2" x 9-1/2" Custom Shaped Appl Soft Maple	19.65	1.18
06 46 36 00-0491	LF	1-1/2" x 10-1/2" Custom Shaped Appl Soft Maple	21.43	1.25
06 46 36 00-0492	LF	1-1/2" x 11-1/2" Custom Shaped Appl Soft Maple	23.13	1.25
06 46 36 00-0493		**Red Oak** *(06 46 36)*		
06 46 36 00-0494	LF	3/4" x 1-1/2" Custom Shaped Red Oak	4.58	0.87
06 46 36 00-0495	LF	3/4" x 2-1/2" Custom Shaped Red Oak	5.58	0.87
06 46 36 00-0496	LF	3/4" x 3-1/2" Custom Shaped Red Oak	6.58	0.87
06 46 36 00-0497	LF	3/4" x 4-1/2" Custom Shaped Red Oak	7.57	0.94
06 46 36 00-0498	LF	3/4" x 5-1/2" Custom Shaped Red Oak	8.66	0.94
06 46 36 00-0499	LF	3/4" x 6-1/2" Custom Shaped Red Oak	9.74	1.02
06 46 36 00-0500	LF	3/4" x 7-1/2" Custom Shaped Red Oak	10.73	1.02
06 46 36 00-0501	LF	3/4" x 8-1/2" Custom Shaped Red Oak	11.75	1.02
06 46 36 00-0502	LF	3/4" x 9-1/2" Custom Shaped Red Oak	12.70	1.10
06 46 36 00-0503	LF	3/4" x 10-1/2" Custom Shaped Red Oak	13.80	1.18
06 46 36 00-0504	LF	3/4" x 11-1/2" Custom Shaped Red Oak	14.83	1.18
06 46 36 00-0505	LF	1" x 1-1/2" Custom Shaped Red Oak	5.36	0.87
06 46 36 00-0506	LF	1" x 2-1/2" Custom Shaped Red Oak	6.70	0.87
06 46 36 00-0507	LF	1" x 3-1/2" Custom Shaped Red Oak	8.04	0.94
06 46 36 00-0508	LF	1" x 4-1/2" Custom Shaped Red Oak	9.88	0.94
06 46 36 00-0509	LF	1" x 5-1/2" Custom Shaped Red Oak	10.83	1.02
06 46 36 00-0510	LF	1" x 6-1/2" Custom Shaped Red Oak	12.26	1.02
06 46 36 00-0511	LF	1" x 7-1/2" Custom Shaped Red Oak	13.59	1.02
06 46 36 00-0512	LF	1" x 8-1/2" Custom Shaped Red Oak	14.94	1.10
06 46 36 00-0513	LF	1" x 9-1/2" Custom Shaped Red Oak	16.26	1.10
06 46 36 00-0514	LF	1" x 10-1/2" Custom Shaped Red Oak	17.72	1.18
06 46 36 00-0515	LF	1" x 11-1/2" Custom Shaped Red Oak	19.09	1.18
06 46 36 00-0516	LF	1-1/4" x 1-1/2" Custom Shaped Red Oak	6.43	0.87
06 46 36 00-0517	LF	1-1/4" x 2-1/2" Custom Shaped Red Oak	8.29	0.87
06 46 36 00-0518	LF	1-1/4" x 3-1/2" Custom Shaped Red Oak	10.13	0.94
06 46 36 00-0519	LF	1-1/4" x 4-1/2" Custom Shaped Red Oak	11.99	0.94
06 46 36 00-0520	LF	1-1/4" x 5-1/2" Custom Shaped Red Oak	13.91	1.02
06 46 36 00-0521	LF	1-1/4" x 6-1/2" Custom Shaped Red Oak	15.87	1.02
06 46 36 00-0522	LF	1-1/4" x 7-1/2" Custom Shaped Red Oak	17.69	1.10
06 46 36 00-0523	LF	1-1/4" x 8-1/2" Custom Shaped Red Oak	19.57	1.10
06 46 36 00-0524	LF	1-1/4" x 9-1/2" Custom Shaped Red Oak	21.37	1.10
06 46 36 00-0525	LF	1-1/4" x 10-1/2" Custom Shaped Red Oak	23.34	1.18
06 46 36 00-0526	LF	1-1/4" x 11-1/2" Custom Shaped Red Oak	25.21	1.25
06 46 36 00-0527	LF	1-1/2" x 1-1/2" Custom Shaped Red Oak	8.64	0.87
06 46 36 00-0528	LF	1-1/2" x 2-1/2" Custom Shaped Red Oak	11.56	0.94
06 46 36 00-0529	LF	1-1/2" x 3-1/2" Custom Shaped Red Oak	14.48	0.94
06 46 36 00-0530	LF	1-1/2" x 4-1/2" Custom Shaped Red Oak	17.38	0.94
06 46 36 00-0531	LF	1-1/2" x 5-1/2" Custom Shaped Red Oak	20.31	1.02
06 46 36 00-0532	LF	1-1/2" x 6-1/2" Custom Shaped Red Oak	23.44	1.10
06 46 36 00-0533	LF	1-1/2" x 7-1/2" Custom Shaped Red Oak	26.29	1.10
06 46 36 00-0534	LF	1-1/2" x 8-1/2" Custom Shaped Red Oak	29.71	1.18
06 46 36 00-0535	LF	1-1/2" x 9-1/2" Custom Shaped Red Oak	32.11	1.18
06 46 36 00-0536	LF	1-1/2" x 10-1/2" Custom Shaped Red Oak	35.13	1.18
06 46 36 00-0537	LF	1-1/2" x 11-1/2" Custom Shaped Red Oak	38.08	1.25
06 46 36 00-0538	LF	2" x 1-1/2" Custom Shaped Red Oak	12.75	0.94
06 46 36 00-0539	LF	2" x 2-1/2" Custom Shaped Red Oak	17.70	0.94
06 46 36 00-0540	LF	2" x 3-1/2" Custom Shaped Red Oak	22.61	0.94
06 46 36 00-0541	LF	2" x 4-1/2" Custom Shaped Red Oak	27.62	1.02
06 46 36 00-0542	LF	2" x 5-1/2" Custom Shaped Red Oak	32.55	1.02
06 46 36 00-0543	LF	2" x 6-1/2" Custom Shaped Red Oak	37.65	1.10
06 46 36 00-0544	LF	2" x 7-1/2" Custom Shaped Red Oak	42.55	1.10
06 46 36 00-0545	LF	2" x 8-1/2" Custom Shaped Red Oak	47.58	1.18
06 46 36 00-0546	LF	2" x 9-1/2" Custom Shaped Red Oak	52.50	1.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0547	LF	2" x 10-1/2" Custom Shaped Red Oak	57.45	1.25
06 46 36 00-0548	LF	2" x 11-1/2" Custom Shaped Red Oak	62.52	1.33
06 46 36 00-0549		**White Oak** *(06 46 36)*		
06 46 36 00-0550	LF	3/4" x 1-1/2" Custom Shaped White Oak	4.63	0.87
06 46 36 00-0551	LF	3/4" x 2-1/2" Custom Shaped White Oak	5.65	0.87
06 46 36 00-0552	LF	3/4" x 3-1/2" Custom Shaped White Oak	6.68	0.87
06 46 36 00-0553	LF	3/4" x 4-1/2" Custom Shaped White Oak	7.69	0.94
06 46 36 00-0554	LF	3/4" x 5-1/2" Custom Shaped White Oak	8.81	0.94
06 46 36 00-0555	LF	3/4" x 6-1/2" Custom Shaped White Oak	9.91	1.02
06 46 36 00-0556	LF	3/4" x 7-1/2" Custom Shaped White Oak	10.92	1.02
06 46 36 00-0557	LF	3/4" x 8-1/2" Custom Shaped White Oak	11.97	1.02
06 46 36 00-0558	LF	3/4" x 9-1/2" Custom Shaped White Oak	12.94	1.10
06 46 36 00-0559	LF	3/4" x 10-1/2" Custom Shaped White Oak	14.07	1.18
06 46 36 00-0560	LF	3/4" x 11-1/2" Custom Shaped White Oak	15.12	1.18
06 46 36 00-0561	LF	1" x 1-1/2" Custom Shaped White Oak	5.36	0.87
06 46 36 00-0562	LF	1" x 2-1/2" Custom Shaped White Oak	6.70	0.87
06 46 36 00-0563	LF	1" x 3-1/2" Custom Shaped White Oak	8.04	0.94
06 46 36 00-0564	LF	1" x 4-1/2" Custom Shaped White Oak	9.88	0.94
06 46 36 00-0565	LF	1" x 5-1/2" Custom Shaped White Oak	10.83	1.02
06 46 36 00-0566	LF	1" x 6-1/2" Custom Shaped White Oak	12.26	1.02
06 46 36 00-0567	LF	1" x 7-1/2" Custom Shaped White Oak	13.59	1.02
06 46 36 00-0568	LF	1" x 8-1/2" Custom Shaped White Oak	14.94	1.10
06 46 36 00-0569	LF	1" x 9-1/2" Custom Shaped White Oak	16.26	1.10
06 46 36 00-0570	LF	1" x 10-1/2" Custom Shaped White Oak	17.72	1.18
06 46 36 00-0571	LF	1" x 11-1/2" Custom Shaped White Oak	19.09	1.18
06 46 36 00-0572	LF	1-1/4" x 1-1/2" Custom Shaped White Oak	6.50	0.87
06 46 36 00-0573	LF	1-1/4" x 2-1/2" Custom Shaped White Oak	8.39	0.87
06 46 36 00-0574	LF	1-1/4" x 3-1/2" Custom Shaped White Oak	10.28	0.94
06 46 36 00-0575	LF	1-1/4" x 4-1/2" Custom Shaped White Oak	12.16	0.94
06 46 36 00-0576	LF	1-1/4" x 5-1/2" Custom Shaped White Oak	14.13	1.02
06 46 36 00-0577	LF	1-1/4" x 6-1/2" Custom Shaped White Oak	16.11	1.02
06 46 36 00-0578	LF	1-1/4" x 7-1/2" Custom Shaped White Oak	17.98	1.10
06 46 36 00-0579	LF	1-1/4" x 8-1/2" Custom Shaped White Oak	19.88	1.10
06 46 36 00-0580	LF	1-1/4" x 9-1/2" Custom Shaped White Oak	21.73	1.10
06 46 36 00-0581	LF	1-1/4" x 10-1/2" Custom Shaped White Oak	23.72	1.18
06 46 36 00-0582	LF	1-1/4" x 11-1/2" Custom Shaped White Oak	25.64	1.25
06 46 36 00-0583	LF	1-1/2" x 1-1/2" Custom Shaped White Oak	10.08	0.87
06 46 36 00-0584	LF	1-1/2" x 2-1/2" Custom Shaped White Oak	13.72	0.94
06 46 36 00-0585	LF	1-1/2" x 3-1/2" Custom Shaped White Oak	17.35	0.94
06 46 36 00-0586	LF	1-1/2" x 4-1/2" Custom Shaped White Oak	20.98	1.02
06 46 36 00-0587	LF	1-1/2" x 5-1/2" Custom Shaped White Oak	24.62	1.02
06 46 36 00-0588	LF	1-1/2" x 6-1/2" Custom Shaped White Oak	28.43	1.10
06 46 36 00-0589	LF	1-1/2" x 7-1/2" Custom Shaped White Oak	32.04	1.10
06 46 36 00-0590	LF	1-1/2" x 8-1/2" Custom Shaped White Oak	35.70	1.18
06 46 36 00-0591	LF	1-1/2" x 9-1/2" Custom Shaped White Oak	38.81	1.18
06 46 36 00-0592	LF	1-1/2" x 10-1/2" Custom Shaped White Oak	43.04	1.25
06 46 36 00-0593	LF	1-1/2" x 11-1/2" Custom Shaped White Oak	46.70	1.25
06 46 36 00-0594		**White Pine** *(06 46 36)*		
06 46 36 00-0595	LF	3/4" x 1-1/2" Custom Shaped White Pine	5.06	0.87
06 46 36 00-0596	LF	3/4" x 2-1/2" Custom Shaped White Pine	6.30	0.87
06 46 36 00-0597	LF	3/4" x 3-1/2" Custom Shaped White Pine	7.54	0.87
06 46 36 00-0598	LF	3/4" x 4-1/2" Custom Shaped White Pine	8.77	0.94
06 46 36 00-0599	LF	3/4" x 5-1/2" Custom Shaped White Pine	10.10	0.94
06 46 36 00-0600	LF	3/4" x 6-1/2" Custom Shaped White Pine	11.42	1.02
06 46 36 00-0601	LF	3/4" x 7-1/2" Custom Shaped White Pine	12.65	1.02
06 46 36 00-0602	LF	3/4" x 8-1/2" Custom Shaped White Pine	13.91	1.02
06 46 36 00-0603	LF	3/4" x 9-1/2" Custom Shaped White Pine	15.82	1.10
06 46 36 00-0604	LF	3/4" x 10-1/2" Custom Shaped White Pine	17.23	1.18
06 46 36 00-0605	LF	1" x 1-1/2" Custom Shaped White Pine	5.59	0.87
06 46 36 00-0606	LF	1" x 2-1/2" Custom Shaped White Pine	7.06	0.87
06 46 36 00-0607	LF	1" x 3-1/2" Custom Shaped White Pine	8.52	0.94
06 46 36 00-0608	LF	1" x 4-1/2" Custom Shaped White Pine	10.00	0.94
06 46 36 00-0609	LF	1" x 5-1/2" Custom Shaped White Pine	11.54	1.02
06 46 36 00-0610	LF	1" x 6-1/2" Custom Shaped White Pine	13.10	1.02
06 46 36 00-0611	LF	1" x 7-1/2" Custom Shaped White Pine	14.55	1.02
06 46 36 00-0612	LF	1" x 8-1/2" Custom Shaped White Pine	16.04	1.10
06 46 36 00-0613	LF	1" x 9-1/2" Custom Shaped White Pine	17.45	1.10
06 46 36 00-0614	LF	1" x 10-1/2" Custom Shaped White Pine	19.03	1.18
06 46 36 00-0615	LF	1" x 11-1/2" Custom Shaped White Pine	20.53	1.18
06 46 36 00-0616	LF	1-1/4" x 1-1/2" Custom Shaped White Pine	6.22	0.87
06 46 36 00-0617	LF	1-1/4" x 2-1/2" Custom Shaped White Pine	7.96	0.87
06 46 36 00-0618	LF	1-1/4" x 3-1/2" Custom Shaped White Pine	9.75	0.94
06 46 36 00-0619	LF	1-1/4" x 4-1/2" Custom Shaped White Pine	11.44	0.94
06 46 36 00-0620	LF	1-1/4" x 5-1/2" Custom Shaped White Pine	13.27	1.02
06 46 36 00-0621	LF	1-1/4" x 6-1/2" Custom Shaped White Pine	15.10	1.02
06 46 36 00-0622	LF	1-1/4" x 7-1/2" Custom Shaped White Pine	16.83	1.10
06 46 36 00-0623	LF	1-1/4" x 8-1/2" Custom Shaped White Pine	18.59	1.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0624	LF	1-1/4" x 9-1/2" Custom Shaped White Pine	20.29	1.10
06 46 36 00-0625	LF	1-1/4" x 10-1/2" Custom Shaped White Pine	22.14	1.18
06 46 36 00-0626	LF	1-1/4" x 11-1/2" Custom Shaped White Pine	23.91	1.25
06 46 36 00-0627	LF	1-1/2" x 1-1/2" Custom Shaped White Pine	7.59	0.87
06 46 36 00-0628	LF	1-1/2" x 2-1/2" Custom Shaped White Pine	9.98	0.94
06 46 36 00-0629	LF	1-1/2" x 3-1/2" Custom Shaped White Pine	12.37	0.94
06 46 36 00-0630	LF	1-1/2" x 4-1/2" Custom Shaped White Pine	14.75	1.02
06 46 36 00-0631	LF	1-1/2" x 5-1/2" Custom Shaped White Pine	17.15	1.02
06 46 36 00-0632	LF	1-1/2" x 6-1/2" Custom Shaped White Pine	19.71	1.10
06 46 36 00-0633	LF	1-1/2" x 7-1/2" Custom Shaped White Pine	22.08	1.10
06 46 36 00-0634	LF	1-1/2" x 8-1/2" Custom Shaped White Pine	24.49	1.18
06 46 36 00-0635	LF	1-1/2" x 9-1/2" Custom Shaped White Pine	27.31	1.18
06 46 36 00-0636	LF	1-1/2" x 10-1/2" Custom Shaped White Pine	29.34	1.25
06 46 36 00-0637	LF	1-1/2" x 11-1/2" Custom Shaped White Pine	31.75	1.25
06 46 36 00-0638	LF	2" x 1-1/2" Custom Shaped White Pine	11.19	0.94
06 46 36 00-0639	LF	2" x 2-1/2" Custom Shaped White Pine	15.36	0.94
06 46 36 00-0640	LF	2" x 3-1/2" Custom Shaped White Pine	19.50	0.94
06 46 36 00-0641	LF	2" x 4-1/2" Custom Shaped White Pine	23.72	1.02
06 46 36 00-0642	LF	2" x 5-1/2" Custom Shaped White Pine	27.88	1.02
06 46 36 00-0643	LF	2" x 6-1/2" Custom Shaped White Pine	32.18	1.10
06 46 36 00-0644	LF	2" x 7-1/2" Custom Shaped White Pine	36.33	1.10
06 46 36 00-0645	LF	2" x 8-1/2" Custom Shaped White Pine	40.56	1.18
06 46 36 00-0646	LF	2" x 9-1/2" Custom Shaped White Pine	44.71	1.18
06 46 36 00-0647	LF	2" x 10-1/2" Custom Shaped White Pine	48.87	1.25
06 46 36 00-0648	LF	2" x 11-1/2" Custom Shaped White Pine	53.18	1.33
06 46 36 00-0649	LF	2-1/2" x 1-1/2" Custom Shaped White Pine	13.19	0.94
06 46 36 00-0650	LF	2-1/2" x 2-1/2" Custom Shaped White Pine	18.30	0.94
06 46 36 00-0651	LF	2-1/2" x 3-1/2" Custom Shaped White Pine	23.41	1.02
06 46 36 00-0652	LF	2-1/2" x 4-1/2" Custom Shaped White Pine	28.59	1.02
06 46 36 00-0653	LF	2-1/2" x 5-1/2" Custom Shaped White Pine	33.70	1.02
06 46 36 00-0654	LF	2-1/2" x 6-1/2" Custom Shaped White Pine	38.96	1.10
06 46 36 00-0655	LF	2-1/2" x 7-1/2" Custom Shaped White Pine	44.07	1.18
06 46 36 00-0656	LF	2-1/2" x 8-1/2" Custom Shaped White Pine	49.27	1.18
06 46 36 00-0657	LF	2-1/2" x 9-1/2" Custom Shaped White Pine	54.37	1.25
06 46 36 00-0658	LF	2-1/2" x 10-1/2" Custom Shaped White Pine	59.48	1.25
06 46 36 00-0659	LF	2-1/2" x 11-1/2" Custom Shaped White Pine	64.75	1.33
06 46 36 00-0660	LF	3-1/2" x 3-1/2" Custom Shaped White Pine	32.11	1.02
06 46 36 00-0661	LF	3-1/2" x 4-1/2" Custom Shaped White Pine	39.45	1.02
06 46 36 00-0662	LF	3-1/2" x 5-1/2" Custom Shaped White Pine	46.72	1.10
06 46 36 00-0663	LF	3-1/2" x 6-1/2" Custom Shaped White Pine	54.13	1.18
06 46 36 00-0664	LF	3-1/2" x 7-1/2" Custom Shaped White Pine	61.40	1.18
06 46 36 00-0665	LF	3-1/2" x 8-1/2" Custom Shaped White Pine	68.74	1.25
06 46 36 00-0666	LF	3-1/2" x 9-1/2" Custom Shaped White Pine	76.01	1.25
06 46 36 00-0667	LF	3-1/2" x 10-1/2" Custom Shaped White Pine	83.28	1.25
06 46 36 00-0668	LF	3-1/2" x 11-1/2" Custom Shaped White Pine	90.70	1.33
06 46 36 00-0669		**Clear Yellow Pine** *(06 46 36)*		
06 46 36 00-0670	LF	3/4" x 1-1/2" Custom Shaped "C" Y Pine	3.72	0.87
06 46 36 00-0671	LF	3/4" x 2-1/2" Custom Shaped "C" Y Pine	4.29	0.87
06 46 36 00-0672	LF	3/4" x 3-1/2" Custom Shaped "C" Y Pine	4.86	0.87
06 46 36 00-0673	LF	3/4" x 4-1/2" Custom Shaped "C" Y Pine	5.42	0.94
06 46 36 00-0674	LF	3/4" x 5-1/2" Custom Shaped "C" Y Pine	6.07	0.94
06 46 36 00-0675	LF	3/4" x 6-1/2" Custom Shaped "C" Y Pine	6.72	1.02
06 46 36 00-0676	LF	3/4" x 7-1/2" Custom Shaped "C" Y Pine	7.28	1.02
06 46 36 00-0677	LF	3/4" x 8-1/2" Custom Shaped "C" Y Pine	7.87	1.02
06 46 36 00-0678	LF	1" x 1-1/2" Custom Shaped "C" Y Pine	4.16	0.87
06 46 36 00-0679	LF	1" x 2-1/2" Custom Shaped "C" Y Pine	4.91	0.87
06 46 36 00-0680	LF	1" x 3-1/2" Custom Shaped "C" Y Pine	5.64	0.94
06 46 36 00-0681	LF	1" x 4-1/2" Custom Shaped "C" Y Pine	6.41	0.94
06 46 36 00-0682	LF	1" x 5-1/2" Custom Shaped "C" Y Pine	7.23	1.02
06 46 36 00-0683	LF	1" x 6-1/2" Custom Shaped "C" Y Pine	8.07	1.02
06 46 36 00-0684	LF	1" x 7-1/2" Custom Shaped "C" Y Pine	9.04	1.02
06 46 36 00-0685	LF	1" x 8-1/2" Custom Shaped "C" Y Pine	9.83	1.10
06 46 36 00-0686	LF	1-1/2" x 1-1/2" Custom Shaped "C" Y Pine	4.71	0.87
06 46 36 00-0687	LF	1-1/2" x 2-1/2" Custom Shaped "C" Y Pine	5.67	0.94
06 46 36 00-0688	LF	1-1/2" x 3-1/2" Custom Shaped "C" Y Pine	6.62	0.94
06 46 36 00-0689	LF	1-1/2" x 4-1/2" Custom Shaped "C" Y Pine	7.56	1.02
06 46 36 00-0690	LF	1-1/2" x 5-1/2" Custom Shaped "C" Y Pine	8.52	1.02
06 46 36 00-0691	LF	1-1/2" x 6-1/2" Custom Shaped "C" Y Pine	9.65	1.10
06 46 36 00-0692	LF	1-1/2" x 7-1/2" Custom Shaped "C" Y Pine	10.58	1.10
06 46 36 00-0693	LF	1-1/2" x 8-1/2" Custom Shaped "C" Y Pine	11.55	1.18
06 46 36 00-0694	LF	1-1/2" x 9-1/2" Custom Shaped "C" Y Pine	13.18	1.18
06 46 36 00-0695	LF	1-1/2" x 10-1/2" Custom Shaped "C" Y Pine	13.62	1.25
06 46 36 00-0696		**Poplar** *(06 46 36)*		
06 46 36 00-0697	LF	3/4" x 1-1/2" Custom Shaped Poplar	3.86	0.87
06 46 36 00-0698	LF	3/4" x 2-1/2" Custom Shaped Poplar	4.50	0.87
06 46 36 00-0699	LF	3/4" x 3-1/2" Custom Shaped Poplar	5.14	0.87
06 46 36 00-0700	LF	3/4" x 4-1/2" Custom Shaped Poplar	5.77	0.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0701	LF	3/4" x 5-1/2" Custom Shaped Poplar	6.51	0.94
06 46 36 00-0702	LF	3/4" x 6-1/2" Custom Shaped Poplar	7.23	1.02
06 46 36 00-0703	LF	3/4" x 7-1/2" Custom Shaped Poplar	7.86	1.02
06 46 36 00-0704	LF	3/4" x 8-1/2" Custom Shaped Poplar	8.52	1.02
06 46 36 00-0705	LF	3/4" x 9-1/2" Custom Shaped Poplar	9.11	1.10
06 46 36 00-0706	LF	3/4" x 10-1/2" Custom Shaped Poplar	9.85	1.18
06 46 36 00-0707	LF	3/4" x 11-1/2" Custom Shaped Poplar	10.57	1.18
06 46 36 00-0708	LF	1" x 1-1/2" Custom Shaped Poplar	4.35	0.87
06 46 36 00-0709	LF	1" x 2-1/2" Custom Shaped Poplar	5.17	0.87
06 46 36 00-0710	LF	1" x 3-1/2" Custom Shaped Poplar	6.00	0.94
06 46 36 00-0711	LF	1" x 4-1/2" Custom Shaped Poplar	6.84	0.94
06 46 36 00-0712	LF	1" x 5-1/2" Custom Shaped Poplar	7.78	1.02
06 46 36 00-0713	LF	1" x 6-1/2" Custom Shaped Poplar	8.70	1.02
06 46 36 00-0714	LF	1" x 7-1/2" Custom Shaped Poplar	9.52	1.02
06 46 36 00-0715	LF	1" x 8-1/2" Custom Shaped Poplar	10.36	1.10
06 46 36 00-0716	LF	1" x 9-1/2" Custom Shaped Poplar	11.18	1.10
06 46 36 00-0717	LF	1" x 10-1/2" Custom Shaped Poplar	12.11	1.18
06 46 36 00-0718	LF	1" x 11-1/2" Custom Shaped Poplar	12.98	1.18
06 46 36 00-0719	LF	1-1/4" x 1-1/2" Custom Shaped Poplar	4.78	0.87
06 46 36 00-0720	LF	1-1/4" x 2-1/2" Custom Shaped Poplar	5.80	0.87
06 46 36 00-0721	LF	1-1/4" x 3-1/2" Custom Shaped Poplar	6.83	0.94
06 46 36 00-0722	LF	1-1/4" x 4-1/2" Custom Shaped Poplar	7.85	0.94
06 46 36 00-0723	LF	1-1/4" x 5-1/2" Custom Shaped Poplar	8.96	1.02
06 46 36 00-0724	LF	1-1/4" x 6-1/2" Custom Shaped Poplar	10.07	1.02
06 46 36 00-0725	LF	1-1/4" x 7-1/2" Custom Shaped Poplar	11.08	1.10
06 46 36 00-0726	LF	1-1/4" x 8-1/2" Custom Shaped Poplar	12.12	1.10
06 46 36 00-0727	LF	1-1/4" x 9-1/2" Custom Shaped Poplar	13.10	1.10
06 46 36 00-0728	LF	1-1/4" x 10-1/2" Custom Shaped Poplar	14.24	1.18
06 46 36 00-0729	LF	1-1/4" x 11-1/2" Custom Shaped Poplar	15.29	1.25
06 46 36 00-0730	LF	1-1/2" x 1-1/2" Custom Shaped Poplar	5.77	0.87
06 46 36 00-0731	LF	1-1/2" x 2-1/2" Custom Shaped Poplar	7.25	0.94
06 46 36 00-0732	LF	1-1/2" x 3-1/2" Custom Shaped Poplar	8.73	0.94
06 46 36 00-0733	LF	1-1/2" x 4-1/2" Custom Shaped Poplar	10.20	1.02
06 46 36 00-0734	LF	1-1/2" x 5-1/2" Custom Shaped Poplar	11.69	1.02
06 46 36 00-0735	LF	1-1/2" x 6-1/2" Custom Shaped Poplar	13.34	1.10
06 46 36 00-0736	LF	1-1/2" x 7-1/2" Custom Shaped Poplar	14.79	1.10
06 46 36 00-0737	LF	1-1/2" x 8-1/2" Custom Shaped Poplar	16.29	1.18
06 46 36 00-0738	LF	1-1/2" x 9-1/2" Custom Shaped Poplar	17.73	1.18
06 46 36 00-0739	LF	1-1/2" x 10-1/2" Custom Shaped Poplar	19.32	1.25
06 46 36 00-0740	LF	1-1/2" x 11-1/2" Custom Shaped Poplar	20.83	1.25
06 46 36 00-0741	LF	2" x 1-1/2" Custom Shaped Poplar	7.24	0.94
06 46 36 00-0742	LF	2" x 2-1/2" Custom Shaped Poplar	9.44	0.94
06 46 36 00-0743	LF	2" x 3-1/2" Custom Shaped Poplar	11.59	0.94
06 46 36 00-0744	LF	2" x 4-1/2" Custom Shaped Poplar	13.85	1.02
06 46 36 00-0745	LF	2" x 5-1/2" Custom Shaped Poplar	16.03	1.02
06 46 36 00-0746	LF	2" x 6-1/2" Custom Shaped Poplar	18.36	1.10
06 46 36 00-0747	LF	2" x 7-1/2" Custom Shaped Poplar	20.52	1.10
06 46 36 00-0748	LF	2" x 8-1/2" Custom Shaped Poplar	22.79	1.18
06 46 36 00-0749	LF	2" x 9-1/2" Custom Shaped Poplar	24.95	1.18
06 46 36 00-0750	LF	2" x 10-1/2" Custom Shaped Poplar	27.15	1.25
06 46 36 00-0751	LF	2" x 11-1/2" Custom Shaped Poplar	29.46	1.33
06 46 36 00-0752	LF	2-1/2" x 1-1/2" Custom Shaped Poplar	8.74	0.94
06 46 36 00-0753	LF	2-1/2" x 2-1/2" Custom Shaped Poplar	11.62	0.94
06 46 36 00-0754	LF	2-1/2" x 3-1/2" Custom Shaped Poplar	14.50	1.02
06 46 36 00-0755	LF	2-1/2" x 4-1/2" Custom Shaped Poplar	17.45	1.02
06 46 36 00-0756	LF	2-1/2" x 5-1/2" Custom Shaped Poplar	20.34	1.02
06 46 36 00-0757	LF	2-1/2" x 6-1/2" Custom Shaped Poplar	23.37	1.10
06 46 36 00-0758	LF	2-1/2" x 7-1/2" Custom Shaped Poplar	26.25	1.18
06 46 36 00-0759	LF	2-1/2" x 8-1/2" Custom Shaped Poplar	29.22	1.18
06 46 36 00-0760	LF	2-1/2" x 9-1/2" Custom Shaped Poplar	32.10	1.25
06 46 36 00-0761	LF	2-1/2" x 10-1/2" Custom Shaped Poplar	34.98	1.25
06 46 36 00-0762	LF	2-1/2" x 11-1/2" Custom Shaped Poplar	38.02	1.33
06 46 36 00-0763	LF	3-1/2" x 3-1/2" Custom Shaped Poplar	19.47	1.02
06 46 36 00-0764	LF	3-1/2" x 4-1/2" Custom Shaped Poplar	23.64	1.02
06 46 36 00-0765	LF	3-1/2" x 5-1/2" Custom Shaped Poplar	27.75	1.10
06 46 36 00-0766	LF	3-1/2" x 6-1/2" Custom Shaped Poplar	32.05	1.18
06 46 36 00-0767	LF	3-1/2" x 7-1/2" Custom Shaped Poplar	36.10	1.18
06 46 36 00-0768	LF	3-1/2" x 8-1/2" Custom Shaped Poplar	40.29	1.25
06 46 36 00-0769	LF	3-1/2" x 9-1/2" Custom Shaped Poplar	44.39	1.25
06 46 36 00-0770	LF	3-1/2" x 10-1/2" Custom Shaped Poplar	48.50	1.25
06 46 36 00-0771	LF	3-1/2" x 11-1/2" Custom Shaped Poplar	52.76	1.33
06 46 36 00-0772		Clear Heart Redwood *(06 46 36)*		
06 46 36 00-0773	LF	3/4" x 1-1/2" Custom Shaped Clear Heart Redwood	4.53	0.87
06 46 36 00-0774	LF	3/4" x 2-1/2" Custom Shaped Clear Heart Redwood	5.51	0.87
06 46 36 00-0775	LF	3/4" x 3-1/2" Custom Shaped Clear Heart Redwood	6.49	0.87
06 46 36 00-0776	LF	3/4" x 4-1/2" Custom Shaped Clear Heart Redwood	7.45	0.94
06 46 36 00-0777	LF	3/4" x 5-1/2" Custom Shaped Clear Heart Redwood	8.52	0.94
06 46 36 00-0778	LF	3/4" x 6-1/2" Custom Shaped Clear Heart Redwood	9.57	1.02
06 46 36 00-0779	LF	3/4" x 7-1/2" Custom Shaped Clear Heart Redwood	11.50	1.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0780	LF	3/4" x 8-1/2" Custom Shaped Clear Heart Redwood	12.61	1.02
06 46 36 00-0781	LF	3/4" x 9-1/2" Custom Shaped Clear Heart Redwood	12.68	1.10
06 46 36 00-0782	LF	3/4" x 10-1/2" Custom Shaped Clear Heart Redwood	13.54	1.18
06 46 36 00-0783	LF	1" x 1-1/2" Custom Shaped Clear Heart Redwood	5.31	0.87
06 46 36 00-0784	LF	1" x 2-1/2" Custom Shaped Clear Heart Redwood	6.61	0.87
06 46 36 00-0785	LF	1" x 3-1/2" Custom Shaped Clear Heart Redwood	7.92	0.94
06 46 36 00-0786	LF	1" x 4-1/2" Custom Shaped Clear Heart Redwood	9.23	0.94
06 46 36 00-0787	LF	1" x 5-1/2" Custom Shaped Clear Heart Redwood	10.66	1.02
06 46 36 00-0788	LF	1" x 6-1/2" Custom Shaped Clear Heart Redwood	12.05	1.02
06 46 36 00-0789	LF	1" x 7-1/2" Custom Shaped Clear Heart Redwood	15.03	1.02
06 46 36 00-0790	LF	1" x 8-1/2" Custom Shaped Clear Heart Redwood	16.56	1.10
06 46 36 00-0791	LF	1" x 9-1/2" Custom Shaped Clear Heart Redwood	18.05	1.10
06 46 36 00-0792	LF	1" x 10-1/2" Custom Shaped Clear Heart Redwood	19.68	1.18
06 46 36 00-0793	LF	1-1/2" x 1-1/2" Custom Shaped Clear Heart Redwood	6.73	0.87
06 46 36 00-0794	LF	1-1/2" x 2-1/2" Custom Shaped Clear Heart Redwood	8.69	0.94
06 46 36 00-0795	LF	1-1/2" x 3-1/2" Custom Shaped Clear Heart Redwood	10.64	0.94
06 46 36 00-0796	LF	1-1/2" x 4-1/2" Custom Shaped Clear Heart Redwood	12.59	1.02
06 46 36 00-0797	LF	1-1/2" x 5-1/2" Custom Shaped Clear Heart Redwood	14.56	1.02
06 46 36 00-0798	LF	1-1/2" x 6-1/2" Custom Shaped Clear Heart Redwood	16.74	1.10
06 46 36 00-0799	LF	1-1/2" x 7-1/2" Custom Shaped Clear Heart Redwood	22.08	1.10
06 46 36 00-0800	LF	1-1/2" x 8-1/2" Custom Shaped Clear Heart Redwood	24.49	1.18
06 46 36 00-0801	LF	1-1/2" x 9-1/2" Custom Shaped Clear Heart Redwood	28.75	1.18
06 46 36 00-0802	LF	1-1/2" x 10-1/2" Custom Shaped Clear Heart Redwood	31.44	1.25
06 46 36 00-0803	LF	3-1/2" x 3-1/2" Custom Shaped Clear Heart Redwood	30.20	1.02
06 46 36 00-0804	LF	3-1/2" x 4-1/2" Custom Shaped Clear Heart Redwood	37.06	1.02
06 46 36 00-0805	LF	3-1/2" x 5-1/2" Custom Shaped Clear Heart Redwood	43.84	1.10
06 46 36 00-0806	LF	3-1/2" x 6-1/2" Custom Shaped Clear Heart Redwood	50.78	1.18
06 46 36 00-0807	LF	3-1/2" x 7-1/2" Custom Shaped Clear Heart Redwood	57.57	1.18
06 46 36 00-0808	LF	3-1/2" x 8-1/2" Custom Shaped Clear Heart Redwood	64.43	1.25
06 46 36 00-0809	LF	3-1/2" x 9-1/2" Custom Shaped Clear Heart Redwood	71.22	1.25
06 46 36 00-0810	LF	3-1/2" x 10-1/2" Custom Shaped Clear Heart Redwood	78.01	1.25
06 46 36 00-0811	LF	3-1/2" x 11-1/2" Custom Shaped Clear Heart Redwood	84.95	1.33
06 46 36 00-0812		**Teak** *(06 46 36)*		
06 46 36 00-0813	LF	3/4" x 1-1/2" Custom Shaped Teak	10.95	0.87
06 46 36 00-0814	LF	3/4" x 2-1/2" Custom Shaped Teak	15.14	0.87
06 46 36 00-0815	LF	3/4" x 3-1/2" Custom Shaped Teak	19.32	0.87
06 46 36 00-0816	LF	3/4" x 4-1/2" Custom Shaped Teak	23.50	0.94
06 46 36 00-0817	LF	3/4" x 5-1/2" Custom Shaped Teak	27.78	0.94
06 46 36 00-0818	LF	3/4" x 6-1/2" Custom Shaped Teak	32.04	1.02
06 46 36 00-0819	LF	3/4" x 7-1/2" Custom Shaped Teak	36.22	1.02
06 46 36 00-0820	LF	3/4" x 8-1/2" Custom Shaped Teak	40.42	1.02
06 46 36 00-0821	LF	3/4" x 9-1/2" Custom Shaped Teak	44.56	1.10
06 46 36 00-0822	LF	3/4" x 10-1/2" Custom Shaped Teak	48.85	1.18
06 46 36 00-0823	LF	3/4" x 11-1/2" Custom Shaped Teak	53.06	1.18
06 46 36 00-0824	LF	1-1/2" x 1-1/2" Custom Shaped Teak	24.17	0.87
06 46 36 00-0825	LF	1-1/2" x 2-1/2" Custom Shaped Teak	27.66	0.94
06 46 36 00-0826	LF	1-1/2" x 3-1/2" Custom Shaped Teak	35.94	0.94
06 46 36 00-0827	LF	1-1/2" x 4-1/2" Custom Shaped Teak	44.21	1.02
06 46 36 00-0828	LF	1-1/2" x 5-1/2" Custom Shaped Teak	52.50	1.02
06 46 36 00-0829	LF	1-1/2" x 6-1/2" Custom Shaped Teak	60.72	1.10
06 46 36 00-0830	LF	1-1/2" x 7-1/2" Custom Shaped Teak	69.22	1.10
06 46 36 00-0831	LF	1-1/2" x 8-1/2" Custom Shaped Teak	77.52	1.18
06 46 36 00-0832	LF	1-1/2" x 9-1/2" Custom Shaped Teak	85.76	1.18
06 46 36 00-0833	LF	1-1/2" x 10-1/2" Custom Shaped Teak	94.15	1.25
06 46 36 00-0834	LF	1-1/2" x 11-1/2" Custom Shaped Teak	102.47	1.25
06 46 36 00-0835		**Walnut** *(06 46 36)*		
06 46 36 00-0836	LF	3/4" x 1-1/2" Custom Shaped Walnut	6.40	0.87
06 46 36 00-0837	LF	3/4" x 2-1/2" Custom Shaped Walnut	8.31	0.87
06 46 36 00-0838	LF	3/4" x 3-1/2" Custom Shaped Walnut	10.22	0.87
06 46 36 00-0839	LF	3/4" x 4-1/2" Custom Shaped Walnut	12.12	0.94
06 46 36 00-0840	LF	3/4" x 5-1/2" Custom Shaped Walnut	14.12	0.94
06 46 36 00-0841	LF	3/4" x 6-1/2" Custom Shaped Walnut	16.11	1.02
06 46 36 00-0842	LF	3/4" x 7-1/2" Custom Shaped Walnut	18.01	1.02
06 46 36 00-0843	LF	3/4" x 8-1/2" Custom Shaped Walnut	19.94	1.02
06 46 36 00-0844	LF	3/4" x 9-1/2" Custom Shaped Walnut	21.80	1.10
06 46 36 00-0845	LF	3/4" x 10-1/2" Custom Shaped Walnut	23.82	1.18
06 46 36 00-0846	LF	3/4" x 11-1/2" Custom Shaped Walnut	25.76	1.18
06 46 36 00-0847	LF	1" x 1-1/2" Custom Shaped Walnut	7.51	0.87
06 46 36 00-0848	LF	1" x 2-1/2" Custom Shaped Walnut	9.94	0.87
06 46 36 00-0849	LF	1" x 3-1/2" Custom Shaped Walnut	12.35	0.94
06 46 36 00-0850	LF	1" x 4-1/2" Custom Shaped Walnut	14.79	0.94
06 46 36 00-0851	LF	1" x 5-1/2" Custom Shaped Walnut	17.29	1.02
06 46 36 00-0852	LF	1" x 6-1/2" Custom Shaped Walnut	19.81	1.02
06 46 36 00-0853	LF	1" x 7-1/2" Custom Shaped Walnut	22.21	1.02
06 46 36 00-0854	LF	1" x 8-1/2" Custom Shaped Walnut	24.66	1.10
06 46 36 00-0855	LF	1" x 9-1/2" Custom Shaped Walnut	27.03	1.10
06 46 36 00-0856	LF	1" x 10-1/2" Custom Shaped Walnut	29.57	1.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0857	LF	1" x 11-1/2" Custom Shaped Walnut	32.03	1.18
06 46 36 00-0858	LF	1-1/4" x 1-1/2" Custom Shaped Walnut	9.02	0.87
06 46 36 00-0859	LF	1-1/4" x 2-1/2" Custom Shaped Walnut	12.17	0.87
06 46 36 00-0860	LF	1-1/4" x 3-1/2" Custom Shaped Walnut	15.31	0.94
06 46 36 00-0861	LF	1-1/4" x 4-1/2" Custom Shaped Walnut	18.46	0.94
06 46 36 00-0862	LF	1-1/4" x 5-1/2" Custom Shaped Walnut	21.67	1.02
06 46 36 00-0863	LF	1-1/4" x 6-1/2" Custom Shaped Walnut	24.92	1.02
06 46 36 00-0864	LF	1-1/4" x 7-1/2" Custom Shaped Walnut	28.04	1.10
06 46 36 00-0865	LF	1-1/4" x 8-1/2" Custom Shaped Walnut	31.21	1.10
06 46 36 00-0866	LF	1-1/4" x 9-1/2" Custom Shaped Walnut	34.30	1.10
06 46 36 00-0867	LF	1-1/4" x 10-1/2" Custom Shaped Walnut	37.57	1.18
06 46 36 00-0868	LF	1-1/4" x 11-1/2" Custom Shaped Walnut	40.73	1.25
06 46 36 00-0869	LF	1-1/2" x 1-1/2" Custom Shaped Walnut	11.90	0.87
06 46 36 00-0870	LF	1-1/2" x 2-1/2" Custom Shaped Walnut	16.45	0.94
06 46 36 00-0871	LF	1-1/2" x 3-1/2" Custom Shaped Walnut	20.99	0.94
06 46 36 00-0872	LF	1-1/2" x 4-1/2" Custom Shaped Walnut	25.53	1.02
06 46 36 00-0873	LF	1-1/2" x 5-1/2" Custom Shaped Walnut	30.08	1.02
06 46 36 00-0874	LF	1-1/2" x 6-1/2" Custom Shaped Walnut	34.80	1.10
06 46 36 00-0875	LF	1-1/2" x 7-1/2" Custom Shaped Walnut	39.32	1.10
06 46 36 00-0876	LF	1-1/2" x 8-1/2" Custom Shaped Walnut	43.89	1.18
06 46 36 00-0877	LF	1-1/2" x 9-1/2" Custom Shaped Walnut	48.87	1.18
06 46 36 00-0878	LF	1-1/2" x 10-1/2" Custom Shaped Walnut	53.05	1.25
06 46 36 00-0879	LF	1-1/2" x 11-1/2" Custom Shaped Walnut	57.62	1.25
06 46 36 00-0880	LF	2" x 1-1/2" Custom Shaped Walnut	19.34	0.94
06 46 36 00-0881	LF	2" x 2-1/2" Custom Shaped Walnut	27.57	0.94
06 46 36 00-0882	LF	2" x 3-1/2" Custom Shaped Walnut	35.79	0.94
06 46 36 00-0883	LF	2" x 4-1/2" Custom Shaped Walnut	44.08	1.02
06 46 36 00-0884	LF	2" x 5-1/2" Custom Shaped Walnut	52.32	1.02
06 46 36 00-0885	LF	2" x 6-1/2" Custom Shaped Walnut	60.69	1.10
06 46 36 00-0886	LF	2" x 7-1/2" Custom Shaped Walnut	68.90	1.10
06 46 36 00-0887	LF	2" x 8-1/2" Custom Shaped Walnut	77.21	1.18
06 46 36 00-0888	LF	2" x 9-1/2" Custom Shaped Walnut	85.43	1.18
06 46 36 00-0889	LF	2" x 10-1/2" Custom Shaped Walnut	93.67	1.25
06 46 36 00-0890	LF	2" x 11-1/2" Custom Shaped Walnut	102.04	1.33
06 46 36 00-0891	LF	2-1/2" x 1-1/2" Custom Shaped Walnut	23.97	0.94
06 46 36 00-0892	LF	2-1/2" x 2-1/2" Custom Shaped Walnut	34.47	0.94
06 46 36 00-0893	LF	2-1/2" x 3-1/2" Custom Shaped Walnut	44.97	1.02
06 46 36 00-0894	LF	2-1/2" x 4-1/2" Custom Shaped Walnut	55.54	1.02
06 46 36 00-0895	LF	2-1/2" x 5-1/2" Custom Shaped Walnut	66.04	1.02
06 46 36 00-0896	LF	2-1/2" x 6-1/2" Custom Shaped Walnut	76.69	1.10
06 46 36 00-0897	LF	2-1/2" x 7-1/2" Custom Shaped Walnut	87.19	1.18
06 46 36 00-0898	LF	2-1/2" x 8-1/2" Custom Shaped Walnut	97.78	1.18
06 46 36 00-0899	LF	2-1/2" x 9-1/2" Custom Shaped Walnut	108.27	1.25
06 46 36 00-0900	LF	2-1/2" x 10-1/2" Custom Shaped Walnut	118.77	1.25
06 46 36 00-0901	LF	2-1/2" x 11-1/2" Custom Shaped Walnut	129.43	1.33

06 48 Wood Frames *(06 40)*

Note: All door frames include perimeter caulk, sealant (as required), anchors and silencers.

06 48 13 Exterior Wood Door Frames *(06 48)*

06 48 13 00-0001 Exterior Door Frames *(06 48 13)*

Note: 6'-8" and 7'-2" frames are the same price as 7' frames. Custom made with threshold, includes all trim molding, up to 8" depth.

06 48 13 00-0002	EA	3' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	222.06	44.47
		For Birch, Add	*46.62*	
		For Mahogany, Add	*113.22*	
06 48 13 00-0003	EA	3'-6" x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	233.53	46.61
		For Birch, Add	*49.26*	
		For Mahogany, Add	*119.63*	
06 48 13 00-0004	EA	4' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	245.01	48.42
		For Birch, Add	*51.89*	
		For Mahogany, Add	*126.02*	
06 48 13 00-0005	EA	5' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	266.99	51.82
		For Birch, Add	*57.16*	
		For Mahogany, Add	*138.81*	
06 48 13 00-0006	EA	6' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	289.45	55.52
		For Birch, Add	*62.43*	
		For Mahogany, Add	*151.61*	
06 48 13 00-0007	EA	3' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	333.91	44.62
06 48 13 00-0008	EA	3'-6" x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	339.88	46.61
06 48 13 00-0009	EA	4' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	345.82	48.58
06 48 13 00-0010	EA	5' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	356.21	51.74
06 48 13 00-0011	EA	6' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	368.24	55.69
06 48 13 00-0012	EA	3' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	260.63	44.62
06 48 13 00-0013	EA	3'-6" x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	273.22	46.61
06 48 13 00-0014	EA	4' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	285.87	48.58
06 48 13 00-0015	EA	5' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	309.48	51.74
06 48 13 00-0016	EA	6' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	334.65	55.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

06 48 16 Interior Wood Door Frames *(06 48)*

06 48 16 00-0001 Interior Door Frames *(06 48 16)*

Note: 6'-8" and 7'-2" frames are the same price as 7' frames. Custom made, includes all trim molding.

06 48 16 00-0002	EA	2'-0" Or 2'-4" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	111.26	21.17
		For Oak Or Maple, Add	*21.37*	
		For Birch, Add	*24.13*	
		For Mahogany, Add	*58.60*	
		For Walnut Frame, Add	*31.02*	
06 48 16 00-0003	EA	2'-6" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	112.04	21.25
		For Oak Or Maple, Add	*21.55*	
		For Birch, Add	*24.33*	
		For Mahogany, Add	*59.09*	
		For Walnut Frame, Add	*31.28*	
06 48 16 00-0004	EA	2'-8" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	113.38	21.65
		For Oak Or Maple, Add	*21.71*	
		For Birch, Add	*24.51*	
		For Mahogany, Add	*59.53*	
		For Walnut Frame, Add	*31.52*	
06 48 16 00-0005	EA	3' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	115.17	22.20
		For Oak Or Maple, Add	*21.93*	
		For Birch, Add	*24.76*	
		For Mahogany, Add	*60.13*	
		For Walnut Frame, Add	*31.83*	
06 48 16 00-0006	EA	3'-4" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	117.80	22.74
		For Oak Or Maple, Add	*22.39*	
		For Birch, Add	*25.28*	
		For Mahogany, Add	*61.40*	
		For Walnut Frame, Add	*32.50*	
06 48 16 00-0007	EA	4' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	124.42	24.17
		For Oak Or Maple, Add	*23.58*	
		For Birch, Add	*26.62*	
		For Mahogany, Add	*64.64*	
		For Walnut Frame, Add	*34.22*	
06 48 16 00-0008	EA	5' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	132.22	26.15
		For Oak Or Maple, Add	*24.77*	
		For Birch, Add	*27.96*	
		For Mahogany, Add	*67.91*	
		For Walnut Frame, Add	*35.95*	
06 48 16 00-0009	EA	6' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	139.23	27.80
		For Oak Or Maple, Add	*25.95*	
		For Birch, Add	*29.30*	
		For Mahogany, Add	*71.15*	
		For Walnut Frame, Add	*37.67*	
06 48 16 00-0010	LF	4-9/16", Pine Interior Door Frame	5.05	1.90
		For Oak Or Maple, Add	*0.39*	
		For Birch, Add	*0.44*	
		For Mahogany, Add	*1.07*	
		For Walnut Frame, Add	*0.57*	

06 50 Structural Plastics *(06)*

06 51 Structural Plastic Shapes And Plates *(06 50)*

06 51 13 Plastic Lumber *(06 51)*

Note: Available in gray, redwood, black. Plastic lumber can be cut with saw for desired length or shape, drilled, screwed, nailed or stapled.

06 51 13 00-0001 Beams And Girders, Recycled Plastic Lumber *(06 51 13)*

06 51 13 00-0002	LF	2" x 6", Beam Or Girder, Recycled Plastic Lumber	8.64	1.27
		For Reinforced Structural Plastic Lumber, Add	*2.52*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.61*	
		For White Color, Add	*2.90*	
		For All Other Colors (Except Black, Brown Or White), Add	*2.46*	
06 51 13 00-0003	LF	2" x 8", Beam Or Girder, Recycled Plastic Lumber	10.68	1.38
		For Reinforced Structural Plastic Lumber, Add	*3.22*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.78*	
		For White Color, Add	*3.70*	
		For All Other Colors (Except Black, Brown Or White), Add	*3.13*	
06 51 13 00-0004	LF	2" x 10", Beam Or Girder, Recycled Plastic Lumber	12.96	1.49
		For Reinforced Structural Plastic Lumber, Add	*4.01*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.97*	
		For White Color, Add	*4.60*	
		For All Other Colors (Except Black, Brown Or White), Add	*3.90*	
06 51 13 00-0005	LF	3" x 10", Beam Or Girder, Recycled Plastic Lumber	20.51	1.77
		For Reinforced Structural Plastic Lumber, Add	*6.65*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.62*	
		For White Color, Add	*7.64*	
		For All Other Colors (Except Black, Brown Or White), Add	*6.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0006	LF	3" x 12", Beam Or Girder, Recycled Plastic Lumber	23.05	1.99
		For Reinforced Structural Plastic Lumber, Add	*7.48*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.82*	
		For White Color, Add	*8.59*	
		For All Other Colors (Except Black, Brown Or White), Add	*7.28*	
06 51 13 00-0007	LF	4" x 4", Beam Or Girder, Recycled Plastic Lumber	11.82	1.72
		For Reinforced Structural Plastic Lumber, Add	*3.47*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.84*	
		For White Color, Add	*3.98*	
		For All Other Colors (Except Black, Brown Or White), Add	*3.37*	
06 51 13 00-0008	LF	4" x 6", Beam Or Girder, Recycled Plastic Lumber	16.60	1.83
		For Reinforced Structural Plastic Lumber, Add	*5.18*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.26*	
		For White Color, Add	*5.95*	
		For All Other Colors (Except Black, Brown Or White), Add	*5.04*	
06 51 13 00-0009	LF	5" x 5", Beam Or Girder, Recycled Plastic Lumber	17.51	1.88
		For Reinforced Structural Plastic Lumber, Add	*5.48*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.33*	
		For White Color, Add	*6.30*	
		For All Other Colors (Except Black, Brown Or White), Add	*5.34*	
06 51 13 00-0010	LF	6" x 6", Beam Or Girder, Recycled Plastic Lumber	23.58	2.04
		For Reinforced Structural Plastic Lumber, Add	*7.64*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.86*	
		For White Color, Add	*8.78*	
		For All Other Colors (Except Black, Brown Or White), Add	*7.43*	
06 51 13 00-0011	LF	6" x 8", Beam Or Girder, Recycled Plastic Lumber	31.69	2.15
		For Reinforced Structural Plastic Lumber, Add	*10.58*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*2.57*	
		For White Color, Add	*12.16*	
		For All Other Colors (Except Black, Brown Or White), Add	*10.30*	

06 51 13 00-0012 Joists, Recycled Plastic Lumber *(06 51 13)*

06 51 13 00-0013	LF	2" x 4", Joist, Recycled Plastic Lumber	5.69	0.71
		For Reinforced Structural Plastic Lumber, Add	*1.72*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.42*	
		For White Color, Add	*1.98*	
		For All Other Colors (Except Black, Brown Or White), Add	*1.68*	
06 51 13 00-0014	LF	2" x 6", Joist, Recycled Plastic Lumber	7.85	0.75
		For Reinforced Structural Plastic Lumber, Add	*2.52*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.61*	
		For White Color, Add	*2.90*	
		For All Other Colors (Except Black, Brown Or White), Add	*2.46*	
06 51 13 00-0015	LF	2" x 8", Joist, Recycled Plastic Lumber	9.88	0.83
		For Reinforced Structural Plastic Lumber, Add	*3.22*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.78*	
		For White Color, Add	*3.70*	
		For All Other Colors (Except Black, Brown Or White), Add	*3.13*	
06 51 13 00-0016	LF	2" x 10", Joist, Recycled Plastic Lumber	12.25	1.00
		For Reinforced Structural Plastic Lumber, Add	*4.01*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.97*	
		For White Color, Add	*4.60*	
		For All Other Colors (Except Black, Brown Or White), Add	*3.90*	
06 51 13 00-0017	LF	3" x 10", Joist, Recycled Plastic Lumber	19.64	1.16
		For Reinforced Structural Plastic Lumber, Add	*6.65*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.62*	
		For White Color, Add	*7.64*	
		For All Other Colors (Except Black, Brown Or White), Add	*6.47*	
06 51 13 00-0018	LF	3" x 12", Joist, Recycled Plastic Lumber	22.34	1.49
		For Reinforced Structural Plastic Lumber, Add	*7.48*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.82*	
		For White Color, Add	*8.59*	
		For All Other Colors (Except Black, Brown Or White), Add	*7.28*	
06 51 13 00-0019	LF	4" x 4", Joist, Recycled Plastic Lumber	10.87	1.05
		For Reinforced Structural Plastic Lumber, Add	*3.47*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.84*	
		For White Color, Add	*3.98*	
		For All Other Colors (Except Black, Brown Or White), Add	*3.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0020	LF	4" x 6", Joist, Recycled Plastic Lumber	15.57	1.11
		For Reinforced Structural Plastic Lumber, Add	*5.18*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.26*	
		For White Color, Add	*5.95*	
		For All Other Colors (Except Black, Brown Or White), Add	*5.04*	
06 51 13 00-0021	LF	5" x 5", Joist, Recycled Plastic Lumber	16.56	1.22
		For Reinforced Structural Plastic Lumber, Add	*5.48*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.33*	
		For White Color, Add	*6.30*	
		For All Other Colors (Except Black, Brown Or White), Add	*5.34*	
06 51 13 00-0022	LF	6" x 6", Joist, Recycled Plastic Lumber	22.62	1.38
		For Reinforced Structural Plastic Lumber, Add	*7.64*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.86*	
		For White Color, Add	*8.78*	
		For All Other Colors (Except Black, Brown Or White), Add	*7.43*	
06 51 13 00-0023	LF	6" x 8", Joist, Recycled Plastic Lumber	30.73	1.49
		For Reinforced Structural Plastic Lumber, Add	*10.58*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*2.57*	
		For White Color, Add	*12.16*	
		For All Other Colors (Except Black, Brown Or White), Add	*10.30*	
06 51 13 00-0024		**Columns, Recycled Plastic Lumber** *(06 51 13)*		
06 51 13 00-0025	LF	4" x 4", Column, Recycled Plastic Lumber	12.61	2.27
		For Reinforced Structural Plastic Lumber, Add	*3.47*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.84*	
		For White Color, Add	*3.98*	
		For All Other Colors (Except Black, Brown Or White), Add	*3.37*	
06 51 13 00-0026	LF	4" x 6", Column, Recycled Plastic Lumber	18.57	3.21
		For Reinforced Structural Plastic Lumber, Add	*5.18*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.26*	
		For White Color, Add	*5.95*	
		For All Other Colors (Except Black, Brown Or White), Add	*5.04*	
06 51 13 00-0027	LF	5" x 5", Column, Recycled Plastic Lumber	19.96	3.60
		For Reinforced Structural Plastic Lumber, Add	*5.48*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.33*	
		For White Color, Add	*6.30*	
		For All Other Colors (Except Black, Brown Or White), Add	*5.34*	
06 51 13 00-0028	LF	6" x 6", Column, Recycled Plastic Lumber	26.49	4.09
		For Reinforced Structural Plastic Lumber, Add	*7.64*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.86*	
		For White Color, Add	*8.78*	
		For All Other Colors (Except Black, Brown Or White), Add	*7.43*	
06 51 13 00-0029	LF	6" x 8", Column, Recycled Plastic Lumber	35.79	5.03
		For Reinforced Structural Plastic Lumber, Add	*10.58*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*2.57*	
		For White Color, Add	*12.16*	
		For All Other Colors (Except Black, Brown Or White), Add	*10.30*	
06 51 13 00-0030		**Walls, Recycled Plastic Lumber** *(06 51 13)*		
06 51 13 00-0031	LF	2" x 3", Walls, Recycled Plastic Lumber	5.11	0.71
		For Reinforced Structural Plastic Lumber, Add	*1.51*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.37*	
		For White Color, Add	*1.73*	
		For All Other Colors (Except Black, Brown Or White), Add	*1.47*	
06 51 13 00-0032	LF	2" x 4", Walls, Recycled Plastic Lumber	5.85	0.83
		For Reinforced Structural Plastic Lumber, Add	*1.72*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.42*	
		For White Color, Add	*1.98*	
		For All Other Colors (Except Black, Brown Or White), Add	*1.68*	
06 51 13 00-0033	LF	2" x 6", Walls, Recycled Plastic Lumber	8.08	0.88
		For Reinforced Structural Plastic Lumber, Add	*2.52*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.61*	
		For White Color, Add	*2.90*	
		For All Other Colors (Except Black, Brown Or White), Add	*2.46*	
06 51 13 00-0034	LF	2" x 8", Walls, Recycled Plastic Lumber	10.04	0.94
		For Reinforced Structural Plastic Lumber, Add	*3.22*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.78*	
		For White Color, Add	*3.70*	
		For All Other Colors (Except Black, Brown Or White), Add	*3.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0035		Other Shapes, Recycled Plastic Lumber *(06 51 13)*		
06 51 13 00-0036	LF	5/4" x 4", Other Shapes, Recycled Plastic Lumber	4.87	0.63
		For Reinforced Structural Plastic Lumber, Add	*1.44*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.35*	
		For White Color, Add	*1.66*	
		For All Other Colors (Except Black, Brown Or White), Add	*1.40*	
06 51 13 00-0037	LF	5/4" x 6", Other Shapes, Recycled Plastic Lumber	6.50	0.71
		For Reinforced Structural Plastic Lumber, Add	*2.02*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.49*	
		For White Color, Add	*2.32*	
		For All Other Colors (Except Black, Brown Or White), Add	*1.97*	
06 51 13 00-0038	LF	5/4" x 8", Other Shapes, Recycled Plastic Lumber	7.38	0.71
		For Reinforced Structural Plastic Lumber, Add	*2.35*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.57*	
		For White Color, Add	*2.70*	
		For All Other Colors (Except Black, Brown Or White), Add	*2.29*	
06 51 13 00-0039	LF	1" x 4", Other Shapes, Recycled Plastic Lumber	3.03	0.63
		For Reinforced Structural Plastic Lumber, Add	*0.76*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.19*	
		For White Color, Add	*0.88*	
		For All Other Colors (Except Black, Brown Or White), Add	*0.74*	
06 51 13 00-0040	LF	1" x 6", Other Shapes, Recycled Plastic Lumber	4.21	0.71
		For Reinforced Structural Plastic Lumber, Add	*1.18*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.29*	
		For White Color, Add	*1.35*	
		For All Other Colors (Except Black, Brown Or White), Add	*1.14*	
06 51 13 00-0041	LF	1" x 6", Tongue And Grooved, Other Shapes, Recycled Plastic Lumber	4.21	0.71
		For Reinforced Structural Plastic Lumber, Add	*1.18*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.29*	
		For White Color, Add	*1.35*	
		For All Other Colors (Except Black, Brown Or White), Add	*1.14*	
06 51 13 00-0042	LF	2" x 2", Other Shapes, Recycled Plastic Lumber	3.38	0.61
		For Reinforced Structural Plastic Lumber, Add	*0.93*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.23*	
		For White Color, Add	*1.07*	
		For All Other Colors (Except Black, Brown Or White), Add	*0.90*	
06 51 13 00-0043	LF	2" x 3", Other Shapes, Recycled Plastic Lumber	5.11	0.71
		For Reinforced Structural Plastic Lumber, Add	*1.51*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.37*	
		For White Color, Add	*1.73*	
		For All Other Colors (Except Black, Brown Or White), Add	*1.47*	
06 51 13 00-0044	LF	2" x 4", Other Shapes, Recycled Plastic Lumber	5.85	0.83
		For Reinforced Structural Plastic Lumber, Add	*1.72*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.42*	
		For White Color, Add	*1.98*	
		For All Other Colors (Except Black, Brown Or White), Add	*1.68*	
06 51 13 00-0045	LF	2" x 6", Other Shapes, Recycled Plastic Lumber	8.08	0.88
		For Reinforced Structural Plastic Lumber, Add	*2.52*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.61*	
		For White Color, Add	*2.90*	
		For All Other Colors (Except Black, Brown Or White), Add	*2.46*	
06 51 13 00-0046	LF	2" x 8", Other Shapes, Recycled Plastic Lumber	10.04	0.94
		For Reinforced Structural Plastic Lumber, Add	*3.22*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.78*	
		For White Color, Add	*3.70*	
		For All Other Colors (Except Black, Brown Or White), Add	*3.13*	
06 51 13 00-0047	LF	2" x 10", Other Shapes, Recycled Plastic Lumber	12.25	1.00
		For Reinforced Structural Plastic Lumber, Add	*4.01*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.97*	
		For White Color, Add	*4.60*	
		For All Other Colors (Except Black, Brown Or White), Add	*3.90*	
06 51 13 00-0048	LF	2" x 12", Other Shapes, Recycled Plastic Lumber	16.38	1.05
		For Reinforced Structural Plastic Lumber, Add	*5.51*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.34*	
		For White Color, Add	*6.33*	
		For All Other Colors (Except Black, Brown Or White), Add	*5.36*	
06 51 13 00-0049	LF	3" x 4", Other Shapes, Recycled Plastic Lumber	8.50	0.97
		For Reinforced Structural Plastic Lumber, Add	*2.63*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.64*	
		For White Color, Add	*3.03*	
		For All Other Colors (Except Black, Brown Or White), Add	*2.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0050	LF	3" x 6", Other Shapes, Recycled Plastic Lumber	11.89	1.04
		For Reinforced Structural Plastic Lumber, Add	*3.86*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.94*	
		For White Color, Add	*4.43*	
		For All Other Colors (Except Black, Brown Or White), Add	*3.75*	
06 51 13 00-0051	LF	3" x 8", Other Shapes, Recycled Plastic Lumber	16.17	1.11
		For Reinforced Structural Plastic Lumber, Add	*5.41*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.31*	
		For White Color, Add	*6.21*	
		For All Other Colors (Except Black, Brown Or White), Add	*5.26*	
06 51 13 00-0052	LF	3" x 10", Other Shapes, Recycled Plastic Lumber	19.64	1.16
		For Reinforced Structural Plastic Lumber, Add	*6.65*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.62*	
		For White Color, Add	*7.64*	
		For All Other Colors (Except Black, Brown Or White), Add	*6.47*	
06 51 13 00-0053	LF	3" x 12", Other Shapes, Recycled Plastic Lumber	22.34	1.49
		For Reinforced Structural Plastic Lumber, Add	*7.48*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.82*	
		For White Color, Add	*8.59*	
		For All Other Colors (Except Black, Brown Or White), Add	*7.28*	
06 51 13 00-0054	LF	4" x 4", Other Shapes, Recycled Plastic Lumber	10.87	1.05
		For Reinforced Structural Plastic Lumber, Add	*3.47*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.84*	
		For White Color, Add	*3.98*	
		For All Other Colors (Except Black, Brown Or White), Add	*3.37*	
06 51 13 00-0055	LF	4" x 6", Other Shapes, Recycled Plastic Lumber	15.57	1.11
		For Reinforced Structural Plastic Lumber, Add	*5.18*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.26*	
		For White Color, Add	*5.95*	
		For All Other Colors (Except Black, Brown Or White), Add	*5.04*	
06 51 13 00-0056	LF	4" x 8", Other Shapes, Recycled Plastic Lumber	22.15	1.20
		For Reinforced Structural Plastic Lumber, Add	*7.56*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.84*	
		For White Color, Add	*8.69*	
		For All Other Colors (Except Black, Brown Or White), Add	*7.36*	
06 51 13 00-0057	LF	5" x 5", Other Shapes, Recycled Plastic Lumber	16.56	1.22
		For Reinforced Structural Plastic Lumber, Add	*5.48*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.33*	
		For White Color, Add	*6.30*	
		For All Other Colors (Except Black, Brown Or White), Add	*5.34*	
06 51 13 00-0058	LF	6" x 6", Other Shapes, Recycled Plastic Lumber	22.62	1.38
		For Reinforced Structural Plastic Lumber, Add	*7.64*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.86*	
		For White Color, Add	*8.78*	
		For All Other Colors (Except Black, Brown Or White), Add	*7.43*	
06 51 13 00-0059	LF	6" x 8", Other Shapes, Recycled Plastic Lumber	30.73	1.49
		For Reinforced Structural Plastic Lumber, Add	*10.58*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*2.57*	
		For White Color, Add	*12.16*	
		For All Other Colors (Except Black, Brown Or White), Add	*10.30*	
06 51 13 00-0060	LF	6" x 12", Other Shapes, Recycled Plastic Lumber	45.43	1.66
		For Reinforced Structural Plastic Lumber, Add	*15.93*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*3.88*	
		For White Color, Add	*18.30*	
		For All Other Colors (Except Black, Brown Or White), Add	*15.50*	
06 51 13 00-0061	LF	8" x 8", Other Shapes, Recycled Plastic Lumber	39.58	1.59
		For Reinforced Structural Plastic Lumber, Add	*13.80*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*3.36*	
		For White Color, Add	*15.85*	
		For All Other Colors (Except Black, Brown Or White), Add	*13.43*	
06 51 13 00-0062	LF	8" x 10", Other Shapes, Recycled Plastic Lumber	52.90	1.66
		For Reinforced Structural Plastic Lumber, Add	*18.70*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*4.55*	
		For White Color, Add	*21.48*	
		For All Other Colors (Except Black, Brown Or White), Add	*18.19*	
06 51 13 00-0063	LF	10" x 10", Other Shapes, Recycled Plastic Lumber	72.87	1.74
		For Reinforced Structural Plastic Lumber, Add	*26.05*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*6.34*	
		For White Color, Add	*29.92*	
		For All Other Colors (Except Black, Brown Or White), Add	*25.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0064	LF	2" Diameter, Other Shapes, Recycled Plastic Lumber	3.69	0.55
		For Reinforced Structural Plastic Lumber, Add	*1.07*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.26*	
		For White Color, Add	*1.23*	
		For All Other Colors (Except Black, Brown Or White), Add	*1.04*	
06 51 13 00-0065	LF	3-1/2" Diameter, Other Shapes, Recycled Plastic Lumber	10.70	0.71
		For Reinforced Structural Plastic Lumber, Add	*3.58*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.87*	
		For White Color, Add	*4.11*	
		For All Other Colors (Except Black, Brown Or White), Add	*3.48*	
06 51 13 00-0066	LF	4" Diameter, Other Shapes, Recycled Plastic Lumber	11.78	0.83
		For Reinforced Structural Plastic Lumber, Add	*3.92*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*0.95*	
		For White Color, Add	*4.51*	
		For All Other Colors (Except Black, Brown Or White), Add	*3.82*	
06 51 13 00-0067	LF	5" Diameter, Other Shapes, Recycled Plastic Lumber	14.60	1.00
		For Reinforced Structural Plastic Lumber, Add	*4.88*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*1.19*	
		For White Color, Add	*5.60*	
		For All Other Colors (Except Black, Brown Or White), Add	*4.74*	
06 51 13 00-0068	LF	6" Diameter, Other Shapes, Recycled Plastic Lumber	32.42	1.16
		For Reinforced Structural Plastic Lumber, Add	*11.38*	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	*2.77*	
		For White Color, Add	*13.07*	
		For All Other Colors (Except Black, Brown Or White), Add	*11.07*	
06 51 13 00-0069	SF	1/8" Thick, Other Shapes, Recycled Plastic Sheeting	3.56	0.61
06 51 13 00-0070	SF	1/4" Thick, Other Shapes, Recycled Plastic Sheeting	5.82	0.63
06 51 13 00-0071	SF	3/8" Thick, Other Shapes, Recycled Plastic Sheeting	7.81	0.67
06 51 13 00-0072	SF	1/2" Thick, Other Shapes, Recycled Plastic Sheeting	11.96	0.69

06 52 Plastic Structural Assemblies *(06 50)*

06 52 13 Plastic Columns *(06 52)*

06 52 13 00-0001 Round Fiberglass Columns *(06 52 13)*

06 52 13 00-0002	LF	6" Diameter, Round Fiberglass Column	16.10	5.45
06 52 13 00-0003	LF	8" Diameter, Round Fiberglass Column	22.72	7.93
06 52 13 00-0004	LF	10" Diameter, Round Fiberglass Column	26.46	8.92
06 52 13 00-0005	LF	12" Diameter, Round Fiberglass Column	33.07	9.33
06 52 13 00-0006	LF	15" Diameter, Round Fiberglass Column	40.46	10.78
06 52 13 00-0007	EA	6" Diameter, Base And Cap For Round Fiberglass Columns	31.11	10.32
06 52 13 00-0008	EA	8" Diameter, Base And Cap For Round Fiberglass Columns	34.51	11.15
06 52 13 00-0009	EA	10" Diameter, Base And Cap For Round Fiberglass Columns	40.83	12.38
06 52 13 00-0010	EA	12" Diameter, Base And Cap For Round Fiberglass Columns	57.30	13.21
06 52 13 00-0011	EA	15" Diameter, Base And Cap For Round Fiberglass Columns	78.36	14.45

06 52 13 00-0012 Fluted Fiberglass Columns *(06 52 13)*

06 52 13 00-0013	LF	6" Diameter, Fluted Fiberglass Column	17.12	5.45
06 52 13 00-0014	LF	8" Diameter, Fluted Fiberglass Column	24.08	7.93
06 52 13 00-0015	LF	10" Diameter, Fluted Fiberglass Column	28.19	8.92
06 52 13 00-0016	LF	12" Diameter, Fluted Fiberglass Column	35.97	9.33
06 52 13 00-0017	LF	15" Diameter, Fluted Fiberglass Column	44.24	10.82
06 52 13 00-0018	EA	6" Diameter, Base And Cap For Fluted Fiberglass Columns	33.20	10.32
06 52 13 00-0019	EA	8" Diameter, Base And Cap For Fluted Fiberglass Columns	36.96	11.15
06 52 13 00-0020	EA	10" Diameter, Base And Cap For Fluted Fiberglass Columns	44.05	12.38
06 52 13 00-0021	EA	12" Diameter, Base And Cap For Fluted Fiberglass Columns	63.47	13.21
06 52 13 00-0022	EA	15" Diameter, Base And Cap For Fluted Fiberglass Columns	88.25	14.45

06 52 13 00-0023 Ornamental Or Decorative Cap And Base For Fiberglass Columns *(06 52 13)*

06 52 13 00-0024	EA	8" Roman Ionic Cap And Base For Fiberglass Columns	135.37	12.38
06 52 13 00-0025	EA	10" Roman Ionic Cap And Base For Fiberglass Columns	180.80	14.45
06 52 13 00-0026	EA	12" Roman Ionic Cap And Base For Fiberglass Columns	231.83	16.51
06 52 13 00-0027	EA	8" Scamozzi Cap And Base For Fiberglass Columns	161.27	12.38
06 52 13 00-0028	EA	10" Scamozzi Cap And Base For Fiberglass Columns	194.10	14.45
06 52 13 00-0029	EA	12" Scamozzi Cap And Base For Fiberglass Columns	283.63	16.51
06 52 13 00-0030	EA	8" Corinthian Cap And Base For Fiberglass Columns	203.27	12.38
06 52 13 00-0031	EA	10" Corinthian Cap And Base For Fiberglass Columns	246.60	14.45
06 52 13 00-0032	EA	12" Corinthian Cap And Base For Fiberglass Columns	327.03	16.51
06 52 13 00-0033	EA	8" Temple Of Winds Cap And Base For Fiberglass Columns	137.47	12.38
06 52 13 00-0034	EA	10" Temple Of Winds Cap And Base For Fiberglass Columns	185.00	14.45
06 52 13 00-0035	EA	12" Temple Of Winds Cap And Base For Fiberglass Columns	236.03	16.51
06 52 13 00-0036	EA	8" Greek Erectheum Cap And Base For Fiberglass Columns	137.47	12.38
06 52 13 00-0037	EA	10" Greek Erectheum Cap And Base For Fiberglass Columns	165.40	14.45
06 52 13 00-0038	EA	12" Greek Erectheum Cap And Base For Fiberglass Columns	218.53	16.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 53 Plastic Decking *(06 50)*				
06 53 16 Plastic Stair Treads *(06 53)*				
06 53 16 00-0001		Fiberglass Reinforced Plastic Stair Treads *(06 53 16)* Note: Includes standard colors and anchors. Excludes stringers.		
06 53 16 00-0002	SF	12" Depth, 1/2" Thick, 1-1/2" Lip, Fiberglass Reinforced Plastic Stair Tread	36.77	4.31
06 60 Plastic Fabrications *(06)*				
06 65 Plastic Trim *(06 60)*				
06 65 00 00-0001		Plastic Moldings *(06 65)* Note: All dimensions are nominal.		
06 65 00 00-0002		Base, Plastic Moldings *(06 65 00 00-0001)*		
06 65 00 00-0003	LF	3-1/2" High, Base, Plastic Molding	4.20	1.57
06 65 00 00-0004	LF	4-1/2" High, Base, Plastic Molding	5.14	1.96
06 65 00 00-0005	LF	3/4" x 1", Base Shoe, Plastic Molding	3.99	1.64
06 65 00 00-0006		Cornice, Plastic Moldings *(06 65 00 00-0001)*		
06 65 00 00-0007	LF	1" x 2" Cornice, Plastic Molding	3.93	1.57
06 65 00 00-0008	LF	1" x 4" Cornice, Plastic Molding	4.70	1.64
06 65 00 00-0009	LF	1" x 6" Cornice, Plastic Molding	6.14	1.72
06 65 00 00-0010	LF	1" x 8" Cornice, Plastic Molding	6.96	1.80
06 65 00 00-0011	LF	1" x 10" Cornice, Plastic Molding	7.90	1.88
06 65 00 00-0012	LF	1" x 12" Cornice, Plastic Molding	9.86	1.96
06 65 00 00-0013		Crown Or Bed, Plastic Moldings *(06 65 00 00-0001)*		
06 65 00 00-0014	LF	9/16" x 1-5/8" Crown Or Bed, Plastic Molding	6.32	1.57
06 65 00 00-0015	LF	9/16" x 2-1/4" Crown Or Bed, Plastic Molding	8.38	1.96
06 65 00 00-0016	LF	9/16" x 3-1/2" Crown Or Bed, Plastic Molding	8.69	1.96
06 65 00 00-0017	LF	9/16" x 3-5/8" Crown Or Bed, Plastic Molding	9.00	1.96
06 65 00 00-0018	LF	5/8" x 4-1/4" Crown Or Bed, Plastic Molding	11.63	2.35
06 65 00 00-0019	LF	11/16" x 4-5/8" Crown Or Bed, Plastic Molding	13.53	2.35
06 65 00 00-0020		Dentil, Plastic Moldings *(06 65 00 00-0001)*		
06 65 00 00-0021	LF	11/16" x 1-3/8" Dentil, Plastic Molding	5.51	1.57
06 65 00 00-0022	LF	5/8" x 2-1/2" Dentil, Plastic Molding	6.09	1.57
06 65 00 00-0023	LF	1-3/8" x 3-3/8" Dentil, Plastic Molding	7.40	1.57
06 65 00 00-0024	LF	1-1/2" x 4-1/2" Dentil, Plastic Molding	9.67	1.57
06 65 00 00-0025		Cove, Plastic Moldings *(06 65 00 00-0001)*		
06 65 00 00-0026	LF	3/8" x 3/8" Cove, Plastic Molding	2.23	0.87
06 65 00 00-0027	LF	1/2" x 1/2" Cove, Plastic Molding	2.38	0.87
06 65 00 00-0028	LF	5/8" x 5/8" Cove, Plastic Molding	3.09	1.02
06 65 00 00-0029	LF	3/4" x 3/4" Cove, Plastic Molding	3.09	1.02
06 65 00 00-0030	LF	15/16" x 15/16" Cove, Plastic Molding	3.77	1.02
06 65 00 00-0031	LF	9/16" x 1-3/4" Cove, Plastic Molding	4.87	1.18
06 65 00 00-0032	LF	11/16" x 2-3/4" Cove, Plastic Molding	6.31	1.18
06 65 00 00-0033		Chair Rail, Plastic Moldings *(06 65 00 00-0001)*		
06 65 00 00-0034	LF	1/2" x 1-5/8" Chair Rail, Plastic Molding	3.63	1.18
06 65 00 00-0035	LF	5/8" x 2-1/2" Chair Rail, Plastic Molding	4.88	1.57
06 65 00 00-0036	LF	5/8" x 3-1/2" Chair Rail, Plastic Molding	5.76	1.57
06 65 00 00-0037		Door, Plastic Moldings *(06 65 00 00-0001)*		
06 65 00 00-0038	LF	1-1/8" Wide, Door, Plastic Molding	3.34	1.41
06 65 00 00-0039	LF	1-1/8" Wide, Detailed Door, Plastic Molding	3.36	1.41
06 65 00 00-0040		Trim, Plastic Moldings *(06 65 00 00-0001)*		
06 65 00 00-0041	LF	1/2" x 1/2" Quarter Round Trim, Plastic Molding	3.59	1.64
06 65 00 00-0042	LF	3/4" x 3/4" Quarter Round Trim, Plastic Molding	3.92	1.64
06 65 00 00-0043	LF	1-1/4" x 2" Brick Mould, Plastic Molding	4.37	1.57
06 65 00 00-0044	LF	1-17/32" x 1-1/2" x 1-3/8" Sill Nose, Plastic Molding	4.95	1.57
06 65 00 00-0045	LF	11/16" x 1-5/8" Drip Cap, Plastic Molding	3.81	1.57
06 65 00 00-0046	LF	2-3/4" x 2" Water Table, Plastic Molding	5.37	1.57
06 65 00 00-0047	LF	3/8" x 2" Garage Door Stop, Plastic Molding	4.13	1.57

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 65 00 00-0048		Extruded Polyvinyl Chloride (PVC) Trimboard *(06 65)* Note: As manufactured by Azek or Kleer. All dimensions are nominal.		
06 65 00 00-0049	LF	1" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard	2.49	0.62
06 65 00 00-0050	LF	1" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard	3.50	0.70
06 65 00 00-0051	LF	1" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard	4.55	0.78
06 65 00 00-0052	LF	1" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard	5.45	0.80
06 65 00 00-0053	LF	1" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard	6.42	0.83
06 65 00 00-0054	LF	5/4" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard	3.01	0.62
06 65 00 00-0055	LF	5/4" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard	4.30	0.70
06 65 00 00-0056	LF	5/4" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard	5.44	0.78
06 65 00 00-0057	LF	5/4" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard	6.67	0.80
06 65 00 00-0058	LF	5/4" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard	7.78	0.83
06 65 00 00-0059	LF	3-1/2" x 3-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board	6.39	0.80
06 65 00 00-0060	LF	5-1/2" x 5-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board	8.39	0.83
06 65 00 00-0061	SF	1/2" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets	4.50	0.70
06 65 00 00-0062	SF	3/4" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets	6.42	0.78

06 70 Structural Composites *(06)*

06 71 Structural Composite Shapes And Plates *(06 70)*

06 71 13 Composite Lumber *(06 71)*

06 71 13 00-0001 Composite Fabricated Structural Wood Joist *(06 71 13)*

06 71 13 00-0002	LF	1-3/4" Wide x 5-1/2" Deep Composite Wood Joist	8.93	1.37
06 71 13 00-0003	LF	1-3/4" Wide x 7-1/4" Deep Composite Wood Joist	9.13	1.39
06 71 13 00-0004	LF	1-3/4" Wide x 9-1/2" Deep Composite Wood Joist	9.32	1.41
06 71 13 00-0005	LF	1-3/4" Wide x 11-7/8" Deep Composite Wood Joist	10.76	1.43
06 71 13 00-0006	LF	1-3/4" Wide x 14" Deep Composite Wood Joist	12.19	1.45
06 71 13 00-0007	LF	1-3/4" Wide x 16" Deep Composite Wood Joist	14.42	1.50
06 71 13 00-0008	LF	1-3/4" Wide x 18" Deep Composite Wood Joist	15.88	1.53

06 74 Composite Gratings *(06 70)*

06 74 13 Fiberglass Reinforced Gratings *(06 74)*

06 74 13 00-0001 Molded Fiberglass Gratings And Coverings *(06 74 13)*

06 74 13 00-0002 Vi-Corr Resin System *(06 74 13 00-0001)* Note: Orange or dark gray.

06 74 13 00-0003	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, Vi-Corr Resin, Meniscus Top	29.87	1.53
06 74 13 00-0004	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top	29.03	1.53
06 74 13 00-0005	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top	37.76	1.53
06 74 13 00-0006	SF	2" Molded Fiberglass Grate, 2" x 2" Mesh, Vi-Corr Resin, Meniscus Top	40.97	1.96
06 74 13 00-0007	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, Vi-Corr Resin, Applied Grit Top	31.33	1.53
06 74 13 00-0008	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top	30.46	1.53
06 74 13 00-0009	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top	39.87	1.53
06 74 13 00-0010	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Vi-Corr Resin, Applied Grit Top	42.95	1.96
06 74 13 00-0011	SF	1/4" Vi-Corr Resin Polyester Resin, Fiberplate Covering	28.25	1.23
06 74 13 00-0012	SF	1/2" Vi-Corr Resin Polyester Resin, Fiberplate Covering	45.60	1.35
06 74 13 00-0013	SF	3/4 Vi-Corr Resin Polyester Resin, Fiberplate Covering	62.40	1.48

06 74 13 00-0014 IFR Fire Retardant Isophthalic Resin *(06 74 13 00-0001)*

06 74 13 00-0015	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	27.51	1.53
06 74 13 00-0016	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	25.79	1.53
06 74 13 00-0017	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	33.07	1.53
06 74 13 00-0018	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	35.76	1.96
06 74 13 00-0019	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	28.70	1.53
06 74 13 00-0020	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	26.47	1.53
06 74 13 00-0021	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	36.02	1.96
06 74 13 00-0022	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	37.73	1.96
06 74 13 00-0023	SF	1/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	24.94	1.23
06 74 13 00-0024	SF	1/2" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	35.21	1.35
06 74 13 00-0025	SF	3/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	48.27	1.48

06 74 13 00-0026 Corvex Polyester Resin *(06 74 13 00-0001)* Note: Dark gray.

06 74 13 00-0027	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, Corvex Polyester Resin, Meniscus Top	23.40	1.53
06 74 13 00-0028	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top	22.49	1.53
06 74 13 00-0029	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top	27.18	1.53
06 74 13 00-0030	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Meniscus Top	31.29	1.96
06 74 13 00-0031	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, Corvex Polyester Resin, Applied Grit Top	24.91	1.53
06 74 13 00-0032	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top	23.99	1.53
06 74 13 00-0033	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top	28.93	1.53
06 74 13 00-0034	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Applied Grit Top	32.79	1.96
06 74 13 00-0035	SF	1/4" Corvex Polyester Resin, Fiberplate Covering	22.06	1.23
06 74 13 00-0036	SF	1/2" Corvex Polyester Resin, Fiberplate Covering	35.05	1.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 74 13 00-0037	SF	3/4" Corvex Polyester Resin, Fiberplate Covering	48.53	1.48
06 74 13 00-0038		**XFR Extra Fire Retardant** *(06 74 13 00-0001)*		
06 74 13 00-0039	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, XFR Extra Fire Retardant, Meniscus Top	34.25	1.53
06 74 13 00-0040	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top	33.26	1.53
06 74 13 00-0041	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top	45.39	1.53
06 74 13 00-0042	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Meniscus Top	48.57	1.96
06 74 13 00-0043	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh XFR Extra Fire Retardant, Applied Grit Top	35.73	1.53
06 74 13 00-0044	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top	34.76	1.53
06 74 13 00-0045	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top	47.14	1.53
06 74 13 00-0046	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Applied Grit Top	50.70	1.96
06 74 13 00-0047	SF	1/4" XFR Extra Fire Retardant Resin, Fiberplate Covering	32.32	1.23
06 74 13 00-0048	SF	1/2" XFR Extra Fire Retardant Resin, Fiberplate Covering	52.10	1.35
06 74 13 00-0049		**ELS Extremely Low Smoke Resin** *(06 74 13 00-0001)*		
06 74 13 00-0050	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	35.11	1.53
06 74 13 00-0051	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	34.06	1.53
06 74 13 00-0052	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	44.19	1.53
06 74 13 00-0053	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	47.43	1.96
06 74 13 00-0054	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	36.48	1.53
06 74 13 00-0055	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	35.62	1.53
06 74 13 00-0056	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	45.87	1.53
06 74 13 00-0057	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	49.14	1.96
06 74 13 00-0058	SF	1/4" ELS Extremity Low Smoke Resin, Fiberplate Covering	36.09	1.23
06 74 13 00-0059	SF	1/2 ELS Extremity Low Smoke Resin, Fiberplate Covering	64.85	1.35
06 74 13 00-0060		**Pultruded Fiberglass Grating** *(06 74 13)*		
06 74 13 00-0061		**ISOFR Isophthalic Polyester Resin System** *(06 74 13 00-0060)*		
		Note: For moderately corrosive environments, green.		
06 74 13 00-0062		**1" ISOFR Isophthalic Polyester Resin System** *(06 74 13 00-0061)*		
06 74 13 00-0063	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	25.07	1.96
06 74 13 00-0064	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	22.29	1.53
06 74 13 00-0065	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	28.31	1.96
06 74 13 00-0066	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	26.20	1.53
06 74 13 00-0067	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin	19.64	1.96
06 74 13 00-0068	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin	17.44	1.53
06 74 13 00-0069	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	22.44	1.96
06 74 13 00-0070	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	20.30	1.53
06 74 13 00-0071		**1-1/2" ISOFR Isophthalic Polyester Resin System** *(06 74 13 00-0061)*		
06 74 13 00-0072	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	28.27	1.96
06 74 13 00-0073	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	25.57	1.53
06 74 13 00-0074	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	31.74	1.96
06 74 13 00-0075	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	29.80	1.53
06 74 13 00-0076	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	24.90	1.96
06 74 13 00-0077	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	22.75	1.53
06 74 13 00-0078		**2" ISOFR Isophthalic Polyester Resin System** *(06 74 13 00-0061)*		
06 74 13 00-0079	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	24.69	1.96
06 74 13 00-0080	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	27.27	1.96
06 74 13 00-0081	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin	32.87	1.96
06 74 13 00-0082	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin	31.04	1.96
06 74 13 00-0083		**VERF Vinyl Ester Resin System** *(06 74 13 00-0060)*		
06 74 13 00-0084		**1" VERF Vinyl Ester Resin System** *(06 74 13 00-0083)*		
06 74 13 00-0085	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin	26.53	1.53
06 74 13 00-0086	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin	23.76	1.53
06 74 13 00-0087	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VERF Vinyl Ester Resin	29.80	1.53
06 74 13 00-0088	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VERF Vinyl Ester Resin	34.16	1.53
06 74 13 00-0089	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, VERF Vinyl Ester Resin	20.44	1.53
06 74 13 00-0090	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, VERF Vinyl Ester Resin	18.30	1.53
06 74 13 00-0091	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VERF Vinyl Ester Resin	23.42	1.53
06 74 13 00-0092	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VERF Vinyl Ester Resin	21.51	1.53
06 74 13 00-0093		**1-1/2" VERF Vinyl Ester Resin System** *(06 74 13 00-0083)*		
06 74 13 00-0094	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin	29.10	1.53
06 74 13 00-0095	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin	26.36	1.53
06 74 13 00-0096	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VERF Vinyl Ester Resin	33.22	1.53
06 74 13 00-0097	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VERF Vinyl Ester Resin	31.04	1.53
06 74 13 00-0098	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VERF Vinyl Ester Resin	26.18	1.53
06 74 13 00-0099	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VERF Vinyl Ester Resin	24.14	1.53

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 74 13 00-0100		2" VERF Vinyl Ester Resin System *(06 74 13 00-0083)*		
06 74 13 00-0101	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin	25.91	1.96
06 74 13 00-0102	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin	23.93	1.96
06 74 13 00-0103	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, VERF Vinyl Ester Resin	34.59	1.96
06 74 13 00-0104	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, VERF Vinyl Ester Resin	33.61	1.96

06 80 Composite Fabrications *(06)*

06 82 Composite Trim *(06 80)*

06 82 00 00-0001 Fiberglass Castings *(06 82)*

06 82 00 00-0002 Fiberglass Angle, Equal Legs *(06 82 00 00-0001)*

06 82 00 00-0003	LF	1" x 1" x 1/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	7.09	2.56
06 82 00 00-0004	LF	1" x 1" x 1/8" Thick Fiberglass Angle, VERF Vinyl Ester Resin	7.40	2.56
06 82 00 00-0005	LF	3" x 3" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	12.76	3.07
06 82 00 00-0006	LF	3" x 3" x 1/4" Thick Fiberglass Angle, VERF Vinyl Ester Resin	14.00	3.07
06 82 00 00-0007	LF	4" x 4" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	14.08	3.07
06 82 00 00-0008	LF	4" x 4" x 1/4" Thick Fiberglass Angle, VERF Vinyl Ester Resin	14.97	3.07
06 82 00 00-0009	LF	4" x 4" x 3/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	16.18	3.07
06 82 00 00-0010	LF	4" x 4" x 3/8" Thick Fiberglass Angle, VERF Vinyl Ester Resin	18.10	3.07
06 82 00 00-0011	LF	6" x 6" x 1/2" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	42.33	3.83
06 82 00 00-0012	LF	6" x 6" x 1/2" Thick Fiberglass Angle, VERF Vinyl Ester Resin	48.52	3.83

06 82 00 00-0013 Fiberglass Channels *(06 82 00 00-0001)*

06 82 00 00-0014	LF	3" x 1" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	8.22	3.83
06 82 00 00-0015	LF	3" x 1" x 1/4" Fiberglass Channel, VERF Vinyl Ester Resin	8.53	3.83
06 82 00 00-0016	LF	4" x 1 1/8" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	16.33	4.35
06 82 00 00-0017	LF	4" x 1 1/8" x 1/4" Fiberglass Channel, VERF Vinyl Ester Resin	16.33	4.35
06 82 00 00-0018	LF	6" x 1 11/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	25.02	4.35
06 82 00 00-0019	LF	6" x 1 11/16" x 3/8" Fiberglass Channel, VERF Vinyl Ester Resin	28.93	4.35
06 82 00 00-0020	LF	8" x 2 3/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	23.56	4.35
06 82 00 00-0021	LF	8" x 2 3/16" x 3/8" Fiberglass Channel, VERF Vinyl Ester Resin	28.56	4.35
06 82 00 00-0022	LF	10" x 2-3/4" x 1/2" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	35.93	5.96
06 82 00 00-0023	LF	10" x 2-3/4" x 1/2" Fiberglass Channel, VERF Vinyl Ester Resin	40.97	5.96

06 82 00 00-0024 Fiberglass Wide Flange Beams *(06 82 00 00-0001)*

06 82 00 00-0025	LF	4" x 4" x 1/4"Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	22.43	5.11
06 82 00 00-0026	LF	4" x 4" x 1/4" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	24.38	5.11
06 82 00 00-0027	LF	6" x 6" x 1/4" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	28.59	6.13
06 82 00 00-0028	LF	6" x 6" x 1/4" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	29.52	6.13
06 82 00 00-0029	LF	8" x 8" x 3/8" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	45.45	7.67
06 82 00 00-0030	LF	8" x 8" x 3/8" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	56.46	7.67
06 82 00 00-0031	LF	10" x 10" x 1/2" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	98.63	9.37
06 82 00 00-0032	LF	10" x 10" x 1/2" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	110.66	9.37

06 82 00 00-0033 Fiberglass Flat Sheet *(06 82 00 00-0001)*

Note: Not to be used for bathroom board.

06 82 00 00-0034	SF	1/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	18.58	4.35
06 82 00 00-0035	SF	1/8" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	19.35	4.35
06 82 00 00-0036	SF	1/4" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	28.67	5.11
06 82 00 00-0037	SF	1/4" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	32.76	5.11
06 82 00 00-0038	SF	3/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	38.68	6.13
06 82 00 00-0039	SF	3/8" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	44.82	6.13
06 82 00 00-0040	SF	1/2" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	51.99	7.67
06 82 00 00-0041	SF	1/2" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	61.38	7.67

06 82 00 00-0042 Fiberglass Bars *(06 82 00 00-0001)*

06 82 00 00-0043 Square Bars *(06 82 00 00-0042)*

06 82 00 00-0044	LF	1" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin	11.19	3.07
06 82 00 00-0045	LF	1-1/4" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin	15.78	4.52
06 82 00 00-0046	LF	1-1/2" Square Fiberglass Solid Square Bar, ISOFR Isophthalic Polyester Resin	18.44	5.96

06 82 00 00-0047 Round Bars *(06 82 00 00-0042)*

06 82 00 00-0048	LF	1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	7.37	2.56
06 82 00 00-0049	LF	1" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	15.31	3.83
06 82 00 00-0050	LF	1" Diameter Fiberglass Solid Round Bar, VERF Vinyl Ester Resin	17.18	3.83
06 82 00 00-0051	LF	1-1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	22.39	3.83
06 82 00 00-0052	LF	1-1/2" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	26.69	4.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 82 00 00-0053		Fiberglass Tubes *(06 82 00 00-0001)*		
06 82 00 00-0054		Square Tube *(06 82 00 00-0053)*		
06 82 00 00-0055	LF	1" x 1" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	8.21	2.56
06 82 00 00-0056	LF	1" x 1" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	8.81	2.56
06 82 00 00-0057	LF	2" x 2" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	11.93	3.07
06 82 00 00-0058	LF	2" x 2" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	12.99	3.07
06 82 00 00-0059	LF	3" x 3" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	22.16	3.83
06 82 00 00-0060	LF	3" x 3" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	24.62	3.83
06 82 00 00-0061	LF	4" x 4" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	26.11	4.60
06 82 00 00-0062	LF	4" x 4" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	32.95	4.60
06 82 00 00-0063		Round Tube *(06 82 00 00-0053)*		
06 82 00 00-0064	LF	1" Diameter x 1/8" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin	7.89	2.56
06 82 00 00-0065	LF	1" Diameter x 1/8" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin	8.17	2.56
06 82 00 00-0066	LF	2" Diameter x 1/4" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin	14.29	3.07
06 82 00 00-0067	LF	2" Diameter x 1/4" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin	15.19	3.07
06 82 00 00-0068		Fiberglass Threaded Rods *(06 82 00 00-0001)*		
06 82 00 00-0069	LF	3/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	10.21	1.96
06 82 00 00-0070	LF	1/2" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	10.83	1.96
06 82 00 00-0071	LF	5/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	12.43	2.21
06 82 00 00-0072	LF	3/4" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	13.64	2.21
06 82 00 00-0073	LF	1" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	15.01	2.21
06 82 00 00-0074		Grating Support Legs, VEFR Resin *(06 82 00 00-0001)*		
06 82 00 00-0075	EA	Grating Support Legs, Fixed Height With Base Miscellaneous Fiberglass Castings	15.64	
06 82 00 00-0076	EA	Grate Support Legs Fixed Height Without Base Miscellaneous Fiberglass Castings	6.70	
06 82 00 00-0077	EA	Grating Support Legs, Adjustable To 60" Miscellaneous Fiberglass Castings	25.21	
06 82 00 00-0078		Fiberglass Netting *(06 82 00 00-0001)*		
06 82 00 00-0079	SF	1/2" x 1/2" Mesh, Clear Flexible Fiberglass Netting	0.57	0.27
06 82 00 00-0080	SF	1/2" x 2" Mesh, Clear Flexible Fiberglass Netting	0.57	0.27
06 82 00 00-0081	SF	3/4" x 5/8" Mesh, Clear Flexible Fiberglass Netting	0.57	0.27
06 82 00 00-0082	SF	7/8" x 7/8" Mesh, Clear Flexible Fiberglass Netting	0.57	0.27
06 82 00 00-0083	SF	1" x 1" Mesh, Clear Flexible Fiberglass Netting	0.57	0.27
06 82 00 00-0084	SF	1/2" x 1/2" Mesh, Green Flexible Fiberglass Netting	0.56	0.27
06 82 00 00-0085	SF	1/2" x 2" Mesh, Green Flexible Fiberglass Netting	0.56	0.27
06 82 00 00-0086	SF	3/4" x 5/8" Mesh, Green Flexible Fiberglass Netting	0.56	0.27
06 82 00 00-0087	SF	7/8" x 7/8" Mesh, Green Flexible Fiberglass Netting	0.56	0.27
06 82 00 00-0088	SF	1" x 1" Mesh, Green Flexible Fiberglass Netting	0.56	0.27
06 82 00 00-0089		Fiberglass Stair Treads *(06 82)*		
06 82 00 00-0090		Fiberglass Stair Treads *(06 82 00 00-0089)*		
06 82 00 00-0091		10-1/2" Deep Isophthalic Resin System *(06 82 00 00-0090)*		
06 82 00 00-0092	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	62.38	13.38
06 82 00 00-0093	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	71.32	13.38
06 82 00 00-0094	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	80.26	13.38
06 82 00 00-0095	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	89.20	13.38
06 82 00 00-0096	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	67.74	13.38
06 82 00 00-0097	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	78.02	13.38
06 82 00 00-0098	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	88.30	13.38
06 82 00 00-0099	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	98.58	13.38
06 82 00 00-0100	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	75.96	13.38
06 82 00 00-0101	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	88.30	13.38
06 82 00 00-0102	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	100.64	13.38
06 82 00 00-0103	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	112.97	13.38
06 82 00 00-0104		12" Deep Isophthalic Resin System *(06 82 00 00-0090)*		
06 82 00 00-0105	EA	1" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	67.49	13.38
06 82 00 00-0106	EA	1" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	77.70	13.38
06 82 00 00-0107	EA	1" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	87.92	13.38
06 82 00 00-0108	EA	1" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	98.14	13.38
06 82 00 00-0109	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	73.62	13.38
06 82 00 00-0110	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	85.36	13.38
06 82 00 00-0111	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	97.12	13.38
06 82 00 00-0112	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	108.86	13.38
06 82 00 00-0113	EA	2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	83.02	13.38
06 82 00 00-0114	EA	2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	97.11	13.38
06 82 00 00-0115	EA	2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	111.21	13.38
06 82 00 00-0116	EA	2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	125.31	13.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 82 00 00-0117		Other Fiberglass *(06 82)*		
06 82 00 00-0118		Fiberglass Splash Blocks *(06 82 00 00-0117)*		
06 82 00 00-0119	EA	Standard Size Fiberglass Splash Block	11.12	2.73

06 83 Composite Paneling *(06 80)*

06 83 00 00-0001		Fiberglass Reinforced Polyester (FRP) Panels *(06 83)* Note: Includes adhesive and trim.		
06 83 00 00-0002	SF	Fiberglass Reinforced Polyester (FRP) Paneling Including Adhesive And Trim	3.36	1.37

END OF SECTION 06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 Thermal And Moisture Protection

07 01 Operation And Maintenance Of Thermal And Moisture Protection *(07)*

07 01 20 Maintenance Of Thermal Protection *(07 01)*

07 01 20 00-0001 Stucco Repair *(07 01 20)*

Note: Per location.

07 01 20 00-0002 Crack Repairs *(07 01 20 00-0001)*

Note: Includes plaster weld.

07 01 20 00-0003	LF	Up To 10', Chip, Clean And Repair Crack In Stucco	13.15	
07 01 20 00-0004	LF	>10' To 50', Chip, Clean And Repair Crack In Stucco	10.54	
07 01 20 00-0005	LF	>50' To 100', Chip, Clean And Repair Crack In Stucco	8.58	
07 01 20 00-0006	LF	>100' To 250', Chip, Clean And Repair Crack In Stucco	6.64	
07 01 20 00-0007	LF	>250' To 500', Chip, Clean And Repair Crack In Stucco	5.34	
07 01 20 00-0008	LF	>500', Chip, Clean And Repair Crack In Stucco	4.03	

07 01 20 00-0009 Hole Repairs *(07 01 20 00-0001)*

Note: Includes plaster weld.

07 01 20 00-0010	SF	Up To 10 SF, Cut And Patch Hole In Stucco To Match Existing	12.41	
07 01 20 00-0011	SF	>10 To 50 SF, Cut And Patch Hole In Stucco To Match Existing	10.96	
07 01 20 00-0012	SF	>50 To 100 SF, Cut And Patch Hole In Stucco To Match Existing	10.09	
07 01 20 00-0013	SF	>100 To 250 SF, Cut And Patch Hole In Stucco To Match Existing	9.36	
07 01 20 00-0014	SF	>250 To 500 SF, Cut And Patch Hole In Stucco To Match Existing	8.73	
07 01 20 00-0015	SF	>500 SF, Cut And Patch Hole In Stucco To Match Existing	8.02	

07 01 20 00-0016 Damage Repairs *(07 01 20 00-0001)*

Note: Includes plaster weld.

07 01 20 00-0017	SF	Up To 10 SF, Chip, Clean And Repair Stucco	23.57	
07 01 20 00-0018	SF	>10 To 50 SF, Chip, Clean And Repair Stucco	17.06	
07 01 20 00-0019	SF	>50 To 250 SF, Chip, Clean And Repair Stucco	12.50	
07 01 20 00-0020	SF	>250 SF, Chip, Clean And Repair Stucco	9.90	

07 01 50 Maintenance Of Membrane Roofing *(07 01)*

07 01 50 19 Preparation For Re-Roofing *(07 01 50)*

07 01 50 19-0001 Preparation For Re-Roofing *(07 01 50 19)*

07 01 50 19-0002	SQ	Remove Pea Gravel Ballast From Roof, Vacuum And Disposal	19.27	
07 01 50 19-0003	SQ	Remove Gravel Ballast From Roof, Vacuum And Disposal	32.11	

07 05 Common Work Results For Thermal And Moisture Protection *(07)*

07 05 13 Small Quantities And Repairs For Roofing *(07 05)*

07 05 13 00-0001 Small Quantity Labor Set-Up Charge *(07 05 13)*

Note: For use with all roofing tasks where the total roof quantity is 4 squares or less. This adjustment is to allow for minimum charge for labor. Excludes material cost or labor to install material.

07 05 13 00-0002	EA	Labor Crew Up-Charge For 1 SQ Or Less, Add To Line Item	850.78	
07 05 13 00-0003	EA	Labor Crew Up-Charge For >1 To 2 SQ, Add To Line Item	636.55	
07 05 13 00-0004	EA	Labor Crew Up-Charge For >2 To 3 SQ, Add To Line Item	425.39	
07 05 13 00-0005	EA	Labor Crew Up-Charge For >3 To 4 SQ, Add To Line Item	212.19	

07 05 13 00-0006 Roof Repair *(07 05 13)*

Note: Less than 100 SF area.

07 05 13 00-0007	SF	Roof Repair, Built-Up Roofing, Up To 10 SF	16.38	
07 05 13 00-0008	SF	Roof Repair, Built-Up Roofing, >10 To 25 SF	14.72	
07 05 13 00-0009	SF	Roof Repair, Built-Up Roofing, >25 To 50 SF	13.40	
07 05 13 00-0010	SF	Roof Repair, Built-Up Roofing, >50 To 100 SF	12.47	
07 05 13 00-0011	SF	Roof Repair, Membrane Roofing, Up To 10 SF	18.61	
07 05 13 00-0012	SF	Roof Repair, Membrane Roofing, >10 To 25 SF	16.94	
07 05 13 00-0013	SF	Roof Repair, Membrane Roofing, >25 To 50 SF	15.63	
07 05 13 00-0014	SF	Roof Repair, Membrane Roofing, >50 To 100 SF	14.70	
07 05 13 00-0015	SF	Roof Repair, Shingle Roofing, Up To 10 SF	14.16	
07 05 13 00-0016	SF	Roof Repair, Shingle Roofing, >10 To 25 SF	12.72	
07 05 13 00-0017	SF	Roof Repair, Shingle Roofing, >25 To 50 SF	11.62	
07 05 13 00-0018	SF	Roof Repair, Shingle Roofing, >50 To 100 SF	10.92	
07 05 13 00-0019	LF	Heat Weld Roofing Seams For Repair	4.67	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 05 13 00-0020		**Emergency Roof Patch** *(07 05 13)* Note: 4 Hour response time.		
07 05 13 00-0021	EA	Granule Emergency Roof Patch Cover 16 SF	65.74	
07 05 13 00-0022	EA	Mobilize For Emergency Roof Patching	282.69	
07 05 13 00-0023		**Adhesives** *(07 05 13)* Note: For repair of seams.		
07 05 13 00-0024		**Mastic Sealer** *(07 05 13 00-0023)*		
07 05 13 00-0025		**Applied At Joints Only** *(07 05 13 00-0024)*		
07 05 13 00-0026	LF	Mastic Sealer, 1/4" Bead At Joint	2.84	1.21

07 10 Dampproofing And Waterproofing *(07)*

Note: The following tasks are for application to vertical (walls and foundations) surfaces. For horizontal (flat) surfaces apply the appropriate modifier to reduce the labor cost. Waterproofing is the treatment of a surface or structure to PREVENT the passage of water under hydrostatic pressure. Dampproofing is the treatment of a surface or structure to RESIST the passage of water in the absence of hydrostatic pressure.

07 11 Dampproofing *(07 10)*

07 11 13 Bituminous Dampproofing *(07 11)*

07 11 13 00-0001		**Fibrous Asphalt Dampproofing, Brush, Roller Or Spray** *(07 11 13)*		
07 11 13 00-0002	CSF	1 Coat, Fibrous Asphalt Dampproofing, Brush, Roller Or Spray	102.37	
07 11 13 00-0003	CSF	2 Coats, Fibrous Asphalt Dampproofing, Brush, Roller Or Spray	159.00	
07 11 13 00-0004		**Fibrous Asphalt Dampproofing, Troweled On** *(07 11 13)*		
07 11 13 00-0005	CSF	Primer And 1 Coat, Fibrous Asphalt Dampproofing, Troweled On	174.82	
07 11 13 00-0006	CSF	Primer And 2 Coats, Fibrous Asphalt Dampproofing, Troweled On	269.33	
07 11 13 00-0007		**Asphaltic Paint Dampproofing** *(07 11 13)*		
07 11 13 00-0008	CSF	1 Coat, Asphaltic Paint Dampproofing, Brushed On	82.81	
07 11 13 00-0009	CSF	2 Coats, Asphaltic Paint Dampproofing, Brushed On	152.87	

07 11 19 Sheet Dampproofing *(07 11)*

07 11 19 00-0001		**Neoprene** *(07 11 19)*		
07 11 19 00-0002	SF	1/16" Patch Neoprene Roof (5-20 SF)	23.62	
07 11 19 00-0003	EA	Neoprene Grommets, For Sealing Screw Anchors To Be Attached Through Metal Flashing Note: Includes anchor and drilling.	6.13	

07 13 Sheet Waterproofing *(07 10)*

07 13 13 Bituminous Sheet Waterproofing *(07 13)*

07 13 13 00-0001		**15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped** *(07 13 13)*		
07 13 13 00-0002	CSF	1 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	193.83	76.52
		For 30 LB Felt, Add	*30.59*	
		For Application To Horizontal Surfaces, Deduct	*-22.96*	
07 13 13 00-0003	CSF	2 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	236.35	86.09
		For 30 LB Felt, Add	*48.14*	
		For Application To Horizontal Surfaces, Deduct	*-25.83*	
07 13 13 00-0004	CSF	3 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	278.87	95.65
		For 30 LB Felt, Add	*65.68*	
		For Application To Horizontal Surfaces, Deduct	*-28.70*	
07 13 13 00-0005	CSF	4 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	321.39	105.22
		For 30 LB Felt, Add	*83.22*	
		For Application To Horizontal Surfaces, Deduct	*-31.56*	
07 13 13 00-0006	CSF	5 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	363.91	114.78
		For 30 LB Felt, Add	*100.77*	
		For Application To Horizontal Surfaces, Deduct	*-34.43*	
07 13 13 00-0007		**Asphalt Coated Protective Board** *(07 13 13)*		
07 13 13 00-0008	CSF	1/8" Asphalt Coated Protective Board	172.24	68.17
		For Application To Horizontal Surfaces, Deduct	*-22.73*	
07 13 13 00-0009	CSF	1/4" Asphalt Coated Protective Board	235.50	70.78
		For Application To Horizontal Surfaces, Deduct	*-23.60*	
07 13 13 00-0010	CSF	3/8" Asphalt Coated Protective Board	311.80	73.76
		For Application To Horizontal Surfaces, Deduct	*-24.58*	
07 13 13 00-0011	CSF	1/2" Asphalt Coated Protective Board	350.19	76.73
		For Application To Horizontal Surfaces, Deduct	*-25.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 13 53		**Elastomeric Sheet Waterproofing** *(07 13)*		
07 13 53 00-0001		Rubberized Membrane Sheet *(07 13 53)*		
07 13 53 00-0002	SF	215 Mil Rubberized Asphalt Membrane Sheet, Vertical Surface	4.94	0.70
		For Floor Surfaces, Deduct	*-0.71*	
07 13 53 00-0003		Ethylene Propylene Diene Monomer (EPDM) *(07 13 53)*		
07 13 53 00-0004	CSF	45 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane	341.83	99.10
		For Application To Horizontal Surfaces, Deduct	*-29.72*	
07 13 53 00-0005	CSF	60 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane	408.13	99.10
		For Application To Horizontal Surfaces, Deduct	*-29.72*	
07 13 53 00-0006		Butyl Sheet Waterproofing *(07 13 53)*		
07 13 53 00-0007	CSF	1/32" Butyl Sheet Waterproofing	70.92	24.77
		For Joint Taping, Add	*9.25*	
		For Each Additional Ply, Add	*52.13*	
		For Application To Horizontal Surfaces, Deduct	*-3.72*	
07 13 53 00-0008	CSF	1/16" Butyl Sheet Waterproofing	85.59	24.77
		For Joint Taping, Add	*9.99*	
		For Each Additional Ply, Add	*62.40*	
		For Application To Horizontal Surfaces, Deduct	*-3.72*	
07 13 53 00-0009		Butyl With Nylon *(07 13 53)*		
07 13 53 00-0010	CSF	1/32" Butyl Elastomeric Waterproofing With Nylon	79.30	24.77
		For Joint Taping, Add	*9.67*	
		For Each Additional Ply, Add	*57.99*	
		For Application To Horizontal Surfaces, Deduct	*-3.72*	
07 13 53 00-0011	CSF	1/16" Butyl Elastomeric Waterproofing With Nylon	88.73	24.77
		For Joint Taping, Add	*10.15*	
		For Each Additional Ply, Add	*64.59*	
		For Application To Horizontal Surfaces, Deduct	*-3.72*	
07 13 53 00-0012		Neoprene Sheet Waterproofing *(07 13 53)*		
07 13 53 00-0013	CSF	1/32" Neoprene Sheet Waterproofing	127.55	24.77
		For Joint Taping, Add	*12.09*	
		For Each Additional Ply, Add	*91.77*	
		For Application To Horizontal Surfaces, Deduct	*-3.72*	
07 13 53 00-0014	CSF	1/16" Neoprene Sheet Waterproofing	189.98	24.77
		For Joint Taping, Add	*15.21*	
		For Each Additional Ply, Add	*135.47*	
		For Application To Horizontal Surfaces, Deduct	*-3.72*	
07 13 53 00-0015		Neoprene With Nylon *(07 13 53)*		
07 13 53 00-0016	CSF	1/32" Neoprene Elastomeric Waterproofing With Nylon	134.06	24.77
		For Joint Taping, Add	*12.41*	
		For Each Additional Ply, Add	*96.32*	
		For Application To Horizontal Surfaces, Deduct	*-3.72*	
07 13 53 00-0017	CSF	1/16" Neoprene Elastomeric Waterproofing With Nylon	200.39	24.77
		For Joint Taping, Add	*15.73*	
		For Each Additional Ply, Add	*142.76*	
		For Application To Horizontal Surfaces, Deduct	*-3.72*	
07 13 53 00-0018		Plastic Vapor Barrier (Polyethylene) *(07 13 53)*		
07 13 53 00-0019	CSF	4 Mil Polyethylene Vapor Barrier	23.14	9.55
		For Joint Taping, Add	*6.02*	
		For Each Additional Ply, Add	*18.31*	
		For Application To Horizontal Surfaces, Deduct	*-3.17*	
07 13 53 00-0020	CSF	6 Mil Polyethylene Vapor Barrier	24.04	9.55
		For Joint Taping, Add	*6.06*	
		For Each Additional Ply, Add	*18.94*	
		For Application To Horizontal Surfaces, Deduct	*-3.17*	
07 13 53 00-0021	CSF	10 Mil Polyethylene Vapor Barrier	26.71	9.55
		For Joint Taping, Add	*6.20*	
		For Each Additional Ply, Add	*20.81*	
		For Application To Horizontal Surfaces, Deduct	*-3.17*	
07 13 53 00-0022	CSF	60 Mil Polyethylene Vapor Barrier With Bentonite	95.94	9.55
		Note: Includes seam tape, liquid mastic, anchors and termination bar.		
		For Joint Taping, Add	*10.20*	
		For Each Additional Ply, Add	*69.51*	
		For Application To Horizontal Surfaces, Deduct	*-3.52*	
07 13 53 00-0023		Plastic Vapor Barrier (PVC) *(07 13 53)*		
07 13 53 00-0024	CSF	10 Mil Polyvinyl Chloride (PVC) Vapor Barrier	36.46	10.57
		For Joint Taping, Add	*6.69*	
		For Each Additional Ply, Add	*27.64*	
		For Application To Horizontal Surfaces, Deduct	*-3.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 13 53 00-0025	CSF	20 Mil Polyvinyl Chloride (PVC) Vapor Barrier	48.41	10.96
		For Joint Taping, Add	*7.47*	
		For Each Additional Ply, Add	*36.08*	
		For Application To Horizontal Surfaces, Deduct	*-3.29*	
07 13 53 00-0026	CSF	30 Mil Polyvinyl Chloride (PVC) Vapor Barrier	64.48	11.35
		For Joint Taping, Add	*8.45*	
		For Each Additional Ply, Add	*47.41*	
		For Application To Horizontal Surfaces, Deduct	*-3.41*	

07 13 53 00-0027 Vinyl Plastic Vapor Barrier *(07 13 53)*

07 13 53 00-0028	CSF	Tu-Tuf 4, 4 Mil Vinyl Plastic Vapor Barrier With Fiberglass Insulation At Joints	27.83	9.79

07 14 Fluid-Applied Waterproofing *(07 10)*

07 14 13 Hot Fluid-Applied Rubberized Asphalt Waterproofing *(07 14)*

07 14 13 00-0001 Hot Applied Rubberized Asphalt Waterproofing Coating *(07 14 13)*

07 14 13 00-0002	SF	90 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface Note: Includes primer.	1.48
		For Application To Horizontal Surfaces, Deduct	*-0.15*
		For Reinforcing Fabric, Add	*0.31*
07 14 13 00-0003	SF	125 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface Note: Includes primer.	1.72
		For Application To Horizontal Surfaces, Deduct	*-0.15*
		For Reinforcing Fabric, Add	*0.31*

07 14 16 Cold Fluid-Applied Waterproofing *(07 14)*

07 14 16 00-0001 Fluid Applied Rubber Based Polyurethane *(07 14 16)*

07 14 16 00-0002	SF	60 Mil Thick, Fluid Applied, Rubber Base, Polyurethane Applied In 2 Coats	2.75
		For Application To Horizontal Surfaces, Deduct	*-0.30*
07 14 16 00-0003	SF	90 Mil Thick, Fluid Applied, Rubber Base, Polyurethane Applied In 2 Coats	3.23
		For Application To Horizontal Surfaces, Deduct	*-0.32*
07 14 16 00-0004	SF	120 Mil Thick, Fluid Applied, Rubber Base, Polyurethane Applied In 2 Coats	3.73
		For Application To Horizontal Surfaces, Deduct	*-0.33*

07 14 16 00-0005 One Part Solution Of Chlorosulfonated Polyethylene Polymer *(07 14 16)*

07 14 16 00-0006	SF	Chlorosulfonated Polyethylene Polymer 1 Part Solution, 15 Mil, Finish Coat	1.74

07 14 16 00-0007 Copolymer Compound *(07 14 16)*

07 14 16 00-0008	SF	Fluid Elastomeric Copolymer Compound For Slabs 32 Mil	2.74

07 14 16 00-0009 Fluid Applied Neoprene *(07 14 16)*

07 14 16 00-0010	CSF	Fluid Neoprene, 1/8" Fiberglass Reinforced	313.38
		For Application To Horizontal Surfaces, Deduct	*-36.10*
07 14 16 00-0011	CSF	Fluid Neoprene, 50 Mil, 4 Coats	716.32
		For Application To Horizontal Surfaces, Deduct	*-70.82*
07 14 16 00-0012	CSF	Fluid Neoprene, 90 Mil, 4 Coats	1,196.22
		For Application To Horizontal Surfaces, Deduct	*-106.18*

07 16 Cementitious And Reactive Waterproofing *(07 10)*

07 16 13 Polymer Modified Cement Waterproofing *(07 16)*

07 16 13 00-0001	SF	Polymer Modified Cementitious Waterproofing Assembly, 2 Coats Note: As manufactured by Thoro Consumer Products.	3.31

07 16 16 Crystalline Waterproofing *(07 16)*

07 16 16 00-0001	SF	Crystalline Cementitious Waterproofing. 2 Coats (Xypex Concentrate)	3.96

07 16 19 Metal Oxide Waterproofing *(07 16)*

07 16 19 00-0001 Metallic Oxide Waterproofing *(07 16 19)*

Note: Includes one broom applied bond coat and three brush applied waterproof coats. Excludes concrete repairs to subbase and final protective concrete surface coat. See CSI section 03 54 16 00-0001 for self leveling underlayment for concrete floors, 09 24 33 00-0001 for cement parging.

07 16 19 00-0002	CSF	Catalyzed Metallic Waterproofing Treatment, Metal Oxide Waterproofing (Euclid Iron Waterpeller)	339.65
		For Application To Horizontal Surfaces, Deduct	*-44.70*

07 17 Bentonite Waterproofing *(07 10)*

07 17 13 Bentonite Panel Waterproofing *(07 17)*

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		MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 17 13 00-0001		CSF		3/16" Bentonite Waterproofing Panels	301.11	81.33
				For Application To Horizontal Surfaces, Deduct	*-24.41*	
07 17 13 00-0002		CSF		1/4" Bentonite Waterproofing Panels	272.80	85.93
				For Application To Horizontal Surfaces, Deduct	*-26.41*	
07 17 13 00-0003		CSF		5/8" Bentonite Waterproofing Panels	381.32	89.62
				For Application To Horizontal Surfaces, Deduct	*-26.88*	
07 17 13 00-0004		CSF		3/8" Granular Bentonite, Troweled	307.18	74.54
				For Application To Horizontal Surfaces, Deduct	*-22.35*	

07 19 Water Repellents *(07 10)*

07 19 13 Acrylic Sealer *(07 19)*

Note: Per coat.

07 19 13 00-0001		SF	Acrylic Sealer, Spray On Concrete	1.54
07 19 13 00-0002		SF	Acrylic Sealer, Spray On Concrete Block/Brick	1.84
07 19 13 00-0003		SF	Acrylic Sealer, Spray On Stone	2.01

07 19 19 Penetrating Water Repellents *(07 19)*

Note: Per coat.

07 19 19 00-0001		SF	Penetrating Water Repellent, Spray On Concrete	1.70
07 19 19 00-0002		SF	Penetrating Water Repellent, Spray On Concrete Block/Brick	2.12

07 20 Thermal Protection *(07)*

07 21 Thermal Insulation *(07 20)*

07 21 13 Board Insulation *(07 21)*

Note: Types are stock sizes, mastic applied. See CSI section 07 22 16 00-0001 for rigid insulation for roofs.

07 21 13 13 Foam Board Insulation *(07 21 13)*

07 21 13 13-0001 Foam Glass (Cellular Glass), Foam Board Insulation *(07 21 13 13)*

07 21 13 13-0002		SF	1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation	2.29
			For Horizontal Surface Application, Deduct	*-0.05*
			For Vapor Barrier, Integral With Insulation, Add	*0.05*
			For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*
			For Mechanically Fastened To Concrete, Add	*0.04*
			For Mechanically Fastened To Gypsum, Add	*0.19*
07 21 13 13-0003		SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation	3.18
			For Horizontal Surface Application, Deduct	*-0.05*
			For Vapor Barrier, Integral With Insulation, Add	*0.05*
			For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*
			For Mechanically Fastened To Concrete, Add	*0.06*
			For Mechanically Fastened To Gypsum, Add	*0.19*
07 21 13 13-0004		SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation	3.79
			For Horizontal Surface Application, Deduct	*-0.05*
			For Vapor Barrier, Integral With Insulation, Add	*0.05*
			For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*
			For Mechanically Fastened To Concrete, Add	*0.06*
			For Mechanically Fastened To Gypsum, Add	*0.21*
07 21 13 13-0005		SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation	4.99
			For Horizontal Surface Application, Deduct	*-0.05*
			For Vapor Barrier, Integral With Insulation, Add	*0.05*
			For Mechanically Fastened To Wood Or Steel, Deduct	*-0.05*
			For Mechanically Fastened To Concrete, Add	*0.11*
			For Mechanically Fastened To Gypsum, Add	*0.27*

07 21 13 13-0006 Expanded Polystyrene, Foam Board Insulation *(07 21 13 13)*

07 21 13 13-0007		SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	1.02
			For Horizontal Surface Application, Deduct	*-0.04*
			For Vapor Barrier, Integral With Insulation, Add	*0.05*
			For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*
			For Mechanically Fastened To Concrete, Add	*0.04*
			For Mechanically Fastened To Gypsum, Add	*0.19*
07 21 13 13-0008		SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	1.07
			For Horizontal Surface Application, Deduct	*-0.04*
			For Vapor Barrier, Integral With Insulation, Add	*0.05*
			For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*
			For Mechanically Fastened To Concrete, Add	*0.04*
			For Mechanically Fastened To Gypsum, Add	*0.19*
07 21 13 13-0009		SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	1.22
			For Horizontal Surface Application, Deduct	*-0.04*
			For Vapor Barrier, Integral With Insulation, Add	*0.05*
			For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*
			For Mechanically Fastened To Concrete, Add	*0.04*
			For Mechanically Fastened To Gypsum, Add	*0.19*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0010	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	1.37	0.27
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.04*	
		For Mechanically Fastened To Gypsum, Add	*0.19*	
07 21 13 13-0011	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	1.95	0.28
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*	
		For Mechanically Fastened To Concrete, Add	*0.06*	
		For Mechanically Fastened To Gypsum, Add	*0.21*	
07 21 13 13-0012	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	2.53	0.28
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.05*	
		For Mechanically Fastened To Concrete, Add	*0.11*	
		For Mechanically Fastened To Gypsum, Add	*0.27*	
07 21 13 13-0013	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	3.11	0.29
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.01*	
		For Mechanically Fastened To Concrete, Add	*0.17*	
		For Mechanically Fastened To Gypsum, Add	*0.31*	
07 21 13 13-0014	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	3.69	0.30
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.07*	
		For Mechanically Fastened To Concrete, Add	*0.23*	
		For Mechanically Fastened To Gypsum, Add	*0.36*	
07 21 13 13-0015	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	4.28	0.30
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.28*	
		For Mechanically Fastened To Concrete, Add	*0.45*	
		For Mechanically Fastened To Gypsum, Add	*0.45*	

07 21 13 13-0016 Extruded Polystyrene, Foam Board Insulation *(07 21 13 13)*

Note: 15 PSI compressive strength.

07 21 13 13-0017	SF	3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation	1.15	0.27
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.04*	
		For Mechanically Fastened To Gypsum, Add	*0.19*	
		For 25 PSI Compressive Strength, Add	*0.11*	
		For 40 PSI Compressive Strength, Add	*0.27*	
		For 60 PSI Compressive Strength, Add	*0.43*	
		For 115 PSI Compressive Strength, Add	*1.87*	
07 21 13 13-0018	SF	1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation	1.34	0.27
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.04*	
		For Mechanically Fastened To Gypsum, Add	*0.19*	
		For 25 PSI Compressive Strength, Add	*0.14*	
		For 40 PSI Compressive Strength, Add	*0.34*	
		For 60 PSI Compressive Strength, Add	*0.54*	
		For 115 PSI Compressive Strength, Add	*2.36*	
07 21 13 13-0019	SF	3/4" Thick, R3.7, Extruded Polystyrene, Foam Board Insulation	1.49	0.27
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.04*	
		For Mechanically Fastened To Gypsum, Add	*0.19*	
		For 25 PSI Compressive Strength, Add	*0.17*	
		For 40 PSI Compressive Strength, Add	*0.40*	
		For 60 PSI Compressive Strength, Add	*0.63*	
		For 115 PSI Compressive Strength, Add	*2.74*	
07 21 13 13-0020	SF	1" Thick, R5.0, Extruded Polystyrene, Foam Board Insulation	1.58	0.27
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.04*	
		For Mechanically Fastened To Gypsum, Add	*0.19*	
		For 25 PSI Compressive Strength, Add	*0.18*	
		For 40 PSI Compressive Strength, Add	*0.43*	
		For 60 PSI Compressive Strength, Add	*0.68*	
		For 115 PSI Compressive Strength, Add	*2.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0021	SF	2" Thick, R10.0, Extruded Polystyrene, Foam Board Insulation	2.37	0.28
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*	
		For Mechanically Fastened To Concrete, Add	*0.06*	
		For Mechanically Fastened To Gypsum, Add	*0.21*	
		For 25 PSI Compressive Strength, Add	*0.31*	
		For 40 PSI Compressive Strength, Add	*0.73*	
		For 60 PSI Compressive Strength, Add	*1.13*	
		For 115 PSI Compressive Strength, Add	*4.95*	
07 21 13 13-0022	SF	3" Thick, R15.0, Extruded Polystyrene, Foam Board Insulation	3.16	0.28
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.05*	
		For Mechanically Fastened To Concrete, Add	*0.11*	
		For Mechanically Fastened To Gypsum, Add	*0.27*	
		For 25 PSI Compressive Strength, Add	*0.43*	
		For 40 PSI Compressive Strength, Add	*1.02*	
		For 60 PSI Compressive Strength, Add	*1.58*	
		For 115 PSI Compressive Strength, Add	*6.96*	
07 21 13 13-0023	SF	4" Thick, R20.0, Extruded Polystyrene, Foam Board Insulation	3.56	0.29
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.01*	
		For Mechanically Fastened To Concrete, Add	*0.17*	
		For Mechanically Fastened To Gypsum, Add	*0.31*	
		For 25 PSI Compressive Strength, Add	*0.49*	
		For 40 PSI Compressive Strength, Add	*1.17*	
		For 60 PSI Compressive Strength, Add	*1.81*	
		For 115 PSI Compressive Strength, Add	*7.96*	

07 21 13 16 Fibrous Board Insulation *(07 21 13)*

07 21 13 16-0001 Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation *(07 21 13 16)*

07 21 13 16-0002	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation	1.49	0.34
		For Horizontal Surface Application, Deduct	*-0.06*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.07*	
		For Mechanically Fastened To Gypsum, Add	*0.22*	
07 21 13 16-0003	SF	2" Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation	2.19	0.40
		For Horizontal Surface Application, Deduct	*-0.07*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*	
		For Mechanically Fastened To Concrete, Add	*0.13*	
		For Mechanically Fastened To Gypsum, Add	*0.28*	
07 21 13 16-0004	SF	3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation	2.88	0.47
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.05*	
		For Mechanically Fastened To Concrete, Add	*0.21*	
		For Mechanically Fastened To Gypsum, Add	*0.37*	

07 21 13 16-0005 Fiberglass, Fibrous Board Insulation *(07 21 13 16)*

07 21 13 16-0006	SF	1" Thick, R4.2, Fiberglass, Fibrous Board Insulation	2.63	0.27
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.04*	
		For Mechanically Fastened To Gypsum, Add	*0.19*	
07 21 13 16-0007	SF	1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation	2.93	0.27
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*	
		For Mechanically Fastened To Concrete, Add	*0.06*	
		For Mechanically Fastened To Gypsum, Add	*0.19*	
07 21 13 16-0008	SF	2" Thick, R8.0, Fiberglass, Fibrous Board Insulation	3.61	0.28
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*	
		For Mechanically Fastened To Concrete, Add	*0.06*	
		For Mechanically Fastened To Gypsum, Add	*0.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 16-0009	SF	2-1/2" Thick, R10.0, Fiberglass, Fibrous Board Insulation	4.15	0.28
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.05*	
		For Mechanically Fastened To Concrete, Add	*0.10*	
		For Mechanically Fastened To Gypsum, Add	*0.24*	
07 21 13 16-0010	SF	3" Thick, R12.4, Fiberglass, Fibrous Board Insulation	4.27	0.28
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.05*	
		For Mechanically Fastened To Concrete, Add	*0.11*	
		For Mechanically Fastened To Gypsum, Add	*0.27*	

07 21 13 19 Mineral Board Insulation *(07 21 13)*

07 21 13 19-0001 High-Density Fiberboard, Mineral Board Insulation *(07 21 13 19)*

07 21 13 19-0002	SF	1/2" Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation	1.13	0.30
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.06*	
		For Mechanically Fastened To Gypsum, Add	*0.21*	
07 21 13 19-0003	SF	25/32" Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation	1.35	0.32
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.06*	
		For Mechanically Fastened To Gypsum, Add	*0.21*	
07 21 13 19-0004	SF	1" Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation	1.56	0.34
		For Horizontal Surface Application, Deduct	*-0.06*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.07*	
		For Mechanically Fastened To Gypsum, Add	*0.22*	
07 21 13 19-0005	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation	1.95	0.37
		For Horizontal Surface Application, Deduct	*-0.06*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*	
		For Mechanically Fastened To Concrete, Add	*0.11*	
		For Mechanically Fastened To Gypsum, Add	*0.24*	
07 21 13 19-0006	SF	2" Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation	2.33	0.40
		For Horizontal Surface Application, Deduct	*-0.07*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*	
		For Mechanically Fastened To Concrete, Add	*0.13*	
		For Mechanically Fastened To Gypsum, Add	*0.28*	
07 21 13 19-0007	SF	3" Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation	1.13	0.47
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.05*	
		For Mechanically Fastened To Concrete, Add	*0.21*	
		For Mechanically Fastened To Gypsum, Add	*0.37*	

07 21 16 Blanket Insulation *(07 21)*

Note: All insulation rolls or batts applied to wood or steel studs or between rafters or between metal building "skin" and framing.

07 21 16 00-0001 Fiberglass Flexible Insulation *(07 21 16)*

Note: Rolls or batts.

07 21 16 00-0002 Kraft Faced, Fiberglass Flexible Insulation *(07 21 16 00-0001)*

07 21 16 00-0003	SF	3-1/2" Thick, Kraft Faced, R-11 Fiberglass Flexible Insulation	1.05	0.33
07 21 16 00-0004	SF	3-1/2" Thick, Kraft Faced, R-13 Fiberglass Flexible Insulation	1.13	0.33
07 21 16 00-0005	SF	3-1/2" Thick, Kraft Faced, R-15 Fiberglass Flexible Insulation	1.16	0.33
07 21 16 00-0006	SF	5-1/2" Thick, Kraft Faced, R-21 Fiberglass Flexible Insulation	1.52	0.33
07 21 16 00-0007	SF	6-1/4" Thick, Kraft Faced, R-19 Fiberglass Flexible Insulation	1.26	0.33
07 21 16 00-0008	SF	9-1/2" Thick, Kraft Faced, R-30 Fiberglass Flexible Insulation	1.95	0.41
07 21 16 00-0009	SF	12" Thick, Kraft Faced, R-38 Fiberglass Flexible Insulation	2.07	0.41

07 21 16 00-0010 Unfaced, Fiberglass Flexible Insulation *(07 21 16 00-0001)*

07 21 16 00-0011	SF	3-1/2" Thick, Unfaced, R-11 Fiberglass Flexible Insulation	1.00	0.33
07 21 16 00-0012	SF	3-1/2" Thick, Unfaced, R-13 Fiberglass Flexible Insulation	1.09	0.33
07 21 16 00-0013	SF	3-1/2" Thick, Unfaced, R-15 Fiberglass Flexible Insulation	1.45	0.33
07 21 16 00-0014	SF	5-1/2" Thick, Unfaced, R-21 Fiberglass Flexible Insulation	1.46	0.33
07 21 16 00-0015	SF	6-1/4" Thick, Unfaced, R-19 Fiberglass Flexible Insulation	1.21	0.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 16 00-0016	SF	9-1/2" Thick, Unfaced, R-30 Fiberglass Flexible Insulation	1.84	0.41
07 21 16 00-0017	SF	12" Thick, Unfaced, R-38 Fiberglass Flexible Insulation	2.00	0.41
07 21 16 00-0018		Foil Faced, Fiberglass Flexible Insulation *(07 21 16 00-0001)*		
07 21 16 00-0019	SF	3-1/2" Thick, Foil Faced, R-11 Fiberglass Flexible Insulation	1.20	0.33
07 21 16 00-0020	SF	3-1/2" Thick, Foil Faced, R-13 Fiberglass Flexible Insulation	1.34	0.33
07 21 16 00-0021	SF	6-1/4" Thick, Foil Faced, R-19 Fiberglass Flexible Insulation	1.45	0.33
07 21 16 00-0022	SF	10-1/4" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation	2.16	0.41
07 21 16 00-0023	SF	12" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation	2.33	0.41
07 21 16 00-0024		Poly-Encapsulated, Fiberglass Flexible Insulation *(07 21 16 00-0001)*		
07 21 16 00-0025	SF	3-1/2" Thick, Poly-Encapsulated, R-11 Fiberglass Flexible Insulation	1.08	0.33
07 21 16 00-0026	SF	3-1/2" Thick, Poly-Encapsulated, R-13 Fiberglass Flexible Insulation	1.16	0.33
07 21 16 00-0027	SF	5-1/2" Thick, Poly-Encapsulated, R-21 Fiberglass Flexible Insulation	1.57	0.33
07 21 16 00-0028	SF	6-1/2" Thick, Poly-Encapsulated, R-19 Fiberglass Flexible Insulation	1.27	0.33
07 21 16 00-0029	SF	8-1/4" Thick, Poly-Encapsulated, R-25 Fiberglass Flexible Insulation	1.95	0.41
07 21 16 00-0030	SF	10-1/4" Thick, Poly-Encapsulated, R-30 Fiberglass Flexible Insulation	2.00	0.41
07 21 16 00-0031		Mineral Wool Flexible Insulation *(07 21 16)*		
07 21 16 00-0032		Kraft Faced, Mineral Wool Flexible Insulation *(07 21 16 00-0031)*		
07 21 16 00-0033	SF	3-1/2" Kraft Faced, R-11 Mineral Wool Flexible Insulation	1.17	0.33
07 21 16 00-0034	SF	6-1/4" Kraft Faced, R-19 Mineral Wool Flexible Insulation	1.55	0.33
07 21 16 00-0035	SF	9-1/2" Kraft Faced, R-30 Mineral Wool Flexible Insulation	2.47	0.33
07 21 16 00-0036	SF	12" Kraft Faced, R-38 Mineral Wool Flexible Insulation	2.81	0.33
07 21 16 00-0037		Unfaced, Mineral Wool Flexible Insulation *(07 21 16 00-0031)*		
07 21 16 00-0038	SF	3-1/2" Unfaced, R-11 Mineral Wool Flexible Insulation	1.09	0.33
07 21 16 00-0039	SF	6-1/4" Unfaced, R-19 Mineral Wool Flexible Insulation	1.42	0.33
07 21 16 00-0040	SF	9-1/2" Unfaced, R-30 Mineral Wool Flexible Insulation	2.23	0.33
07 21 16 00-0041	SF	12" Unfaced, R-38 Mineral Wool Flexible Insulation	2.52	0.33
07 21 16 00-0042		Natural Cotton Insulation *(07 21 16)*		
07 21 16 00-0043		UltraTouch Natural Cotton Insulation *(07 21 16 00-0042)* Note: 85% recycled denim cotton.		
07 21 16 00-0044	SF	3-1/2", R-13 UltraTouch Natural Cotton Insulation	1.60	0.33
07 21 16 00-0045	SF	5-1/2", R-19 UltraTouch Natural Cotton Insulation	1.81	0.33
07 21 16 00-0046	SF	5-1/2", R-21 UltraTouch Natural Cotton Insulation	2.02	0.33
07 21 16 00-0047	SF	8", R-30 UltraTouch Natural Cotton Insulation	2.75	0.33
07 21 19		**Foamed-In-Place Insulation** *(07 21)*		
07 21 19 00-0001		Foam Sprayed On Insulation *(07 21 19)*		
07 21 19 00-0002	SF	1" Thick, R3.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	0.91	
07 21 19 00-0003	SF	2" Thick, R7.6, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	1.52	
07 21 19 00-0004	SF	3" Thick, R11.4, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	2.13	
07 21 19 00-0005	SF	4" Thick, R15.2, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	2.73	
07 21 19 00-0006	SF	5" Thick, R19.0, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	3.34	
07 21 19 00-0007	SF	6" Thick, R22.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	3.95	
07 21 19 00-0008	SF	1" Thick, R6.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	1.75	
07 21 19 00-0009	SF	2" Thick, R13.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	2.73	
07 21 19 00-0010	SF	3" Thick, R19.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	3.73	
07 21 19 00-0011	SF	4" Thick, R26.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	4.72	
07 21 19 00-0012	SF	5" Thick, R32.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	5.71	
07 21 19 00-0013	SF	6" Thick, R39.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	6.71	
07 21 23		**Loose-Fill Insulation** *(07 21)*		
07 21 23 00-0001		Poured Type, Loose Fill Insulation *(07 21 23)*		
07 21 23 00-0002	CF	R-3.5/Inch, Poured Type, Fiberglass Loose Fill Insulation	4.87	1.89
07 21 23 00-0003	CF	R-3.7/Inch, Poured Type, Cellulose Loose Fill Insulation	5.22	1.89
07 21 23 00-0004		Concrete Block Wall Cavity Insulation *(07 21 23)*		
07 21 23 00-0005	CF	R-2.7, Vermiculite Or Perlite, Concrete Block Wall Cavity Insulation	6.78	1.89
07 21 23 00-0006	CF	R-4, Polystyrene Foam, Concrete Block Wall Cavity Insulation	6.72	1.89
07 21 26		**Blown Insulation** *(07 21)*		
07 21 26 00-0001		Fiberglass Blown-In Insulation *(07 21 26)*		
07 21 26 00-0002		Attic, Fiberglass Blown-In Insulation *(07 21 26 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 26 00-0003	SF	3-3/4" Thick, R-13 Attic, Fiberglass Blown In Insulation	1.11	0.86
07 21 26 00-0004	SF	6-1/4" Thick, R-19 Attic, Fiberglass Blown In Insulation	1.41	1.03
07 21 26 00-0005	SF	7-1/4" Thick, R-22 Attic, Fiberglass Blown In Insulation	1.55	1.11
07 21 26 00-0006	SF	10-1/4" Thick, R-30 Attic, Fiberglass Blown In Insulation	1.81	1.20
07 21 26 00-0007	SF	12-3/4" Thick, R-38 Attic, Fiberglass Blown In Insulation	2.06	1.28
07 21 26 00-0008	SF	13-1/2" Thick, R-40 Attic, Fiberglass Blown In Insulation	2.24	1.37
07 21 26 00-0009	SF	14-3/4" Thick, R-44 Attic, Fiberglass Blown In Insulation	2.29	1.37
07 21 26 00-0010	SF	16-1/2" Thick, R-49 Attic, Fiberglass Blown In Insulation	2.40	1.37
07 21 26 00-0011	SF	19" Thick, R-56 Attic, Fiberglass Blown In Insulation	2.65	1.37
07 21 26 00-0012	SF	21" Thick, R-60 Attic, Fiberglass Blown In Insulation	2.66	1.37
07 21 26 00-0013		New Wall, Fiberglass Blown-In Insulation *(07 21 26 00-0001)*		
07 21 26 00-0014	SF	3-1/2" Thick, R-15 New Wall, Fiberglass Blown In Insulation	1.56	0.86
07 21 26 00-0015	SF	5-1/2" Thick, R-23 New Wall, Fiberglass Blown In Insulation	2.07	1.03
07 21 26 00-0016	SF	7-1/4" Thick, R-31 New Wall, Fiberglass Blown In Insulation	2.45	1.11
07 21 26 00-0017	SF	9-1/4" Thick, R-39 New Wall, Fiberglass Blown In Insulation	2.92	1.20
07 21 26 00-0018		Existing Wall, Fiberglass Blown-In Insulation *(07 21 26 00-0001)*		
		Note: Includes drilling. Excludes patching.		
07 21 26 00-0019	SF	3-1/2" Thick, R-15 Existing Wall, Fiberglass Blown In Insulation	1.48	0.86
07 21 26 00-0020	SF	5-1/2" Thick, R-23 Existing Wall, Fiberglass Blown In Insulation	2.00	1.03
07 21 26 00-0021	SF	7-1/4" Thick, R-31 Existing Wall, Fiberglass Blown In Insulation	2.37	1.11
07 21 26 00-0022	SF	9-1/4" Thick, R-39 Existing Wall, Fiberglass Blown In Insulation	2.84	1.20
07 21 26 00-0023		Cellulose Blown-In Insulation *(07 21 26)*		
07 21 26 00-0024		Attic, Cellulose Blown-In Insulation *(07 21 26 00-0023)*		
07 21 26 00-0025	SF	3-3/4" Thick, R-13 Attic, Cellulose Blown In Insulation	1.13	0.86
07 21 26 00-0026	SF	5-1/2" Thick, R-19 Attic, Cellulose Blown In Insulation	1.36	0.95
07 21 26 00-0027	SF	6-1/4" Thick, R-22 Attic, Cellulose Blown In Insulation	1.52	1.03
07 21 26 00-0028	SF	7-3/4" Thick, R-28 Attic, Cellulose Blown In Insulation	1.76	1.11
07 21 26 00-0029	SF	8-1/2" Thick, R-30 Attic, Cellulose Blown In Insulation	1.80	1.11
07 21 26 00-0030	SF	10-1/2" Thick, R-38 Attic, Cellulose Blown In Insulation	2.10	1.20
07 21 26 00-0031	SF	11" Thick, R-40 Attic, Cellulose Blown In Insulation	2.16	1.20
07 21 26 00-0032	SF	13-3/4" Thick, R-50 Attic, Cellulose Blown In Insulation	2.52	1.28
07 21 26 00-0033	SF	16-1/2" Thick, R-60 Attic, Cellulose Blown In Insulation	2.87	1.37
07 21 26 00-0034		New Wall, Cellulose Blown-In Insulation *(07 21 26 00-0023)*		
07 21 26 00-0035	SF	3-1/2" Thick, R-13 New Wall, Cellulose Blown In Insulation	1.52	0.86
07 21 26 00-0036	SF	5-1/2" Thick, R-20 New Wall, Cellulose Blown In Insulation	2.02	1.03
07 21 26 00-0037	SF	7-1/4" Thick, R-27 New Wall, Cellulose Blown In Insulation	2.37	1.11
07 21 26 00-0038	SF	9-1/4" Thick, R-34 New Wall, Cellulose Blown In Insulation	2.82	1.20
07 21 26 00-0039		Existing Wall, Cellulose Blown-In Insulation *(07 21 26 00-0023)*		
		Note: Includes drilling. Excludes patching.		
07 21 26 00-0040	SF	3-1/2" Thick, R-13 Existing Wall, Cellulose Blown In Insulation	1.44	0.86
07 21 26 00-0041	SF	5-1/2" Thick, R-20 Existing Wall, Cellulose Blown In Insulation	1.94	1.03
07 21 26 00-0042	SF	7-1/4" Thick, R-27 Existing Wall, Cellulose Blown In Insulation	2.29	1.11
07 21 26 00-0043	SF	9-1/4" Thick, R-34 Existing Wall, Cellulose Blown In Insulation	2.74	1.20
07 21 29		**Sprayed Insulation** *(07 21)*		
07 21 29 00-0001		Fiber Sprayed On Insulation *(07 21 29)*		
07 21 29 00-0002	SF	1" Spray, R2.7 Perlite Insulation	1.71	0.48
07 21 29 00-0003	SF	1" Spray, R3.7 Fibrous/Cementitious Insulation	1.24	0.48
07 21 29 00-0004		Cellulose Sprayed On Insulation *(07 21 29)*		
07 21 29 00-0005	SF	1" Thick - Cellulose Spray-on Insulation	2.45	0.48
07 21 53		**Reflective Insulation** *(07 21)*		
07 21 53 00-0001		Reflective Barrier Insulation (Foil - Single Bubble - Foil) *(07 21 53)*		
07 21 53 00-0002	SF	3/16" Nominal Thickness, Reflective Barrier Insulation, With Single Bubble Air Space	0.70	

07 22 Roof And Deck Insulation *(07 20)*

07 22 16 Roof Board Insulation *(07 22)*

Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. Types are stock sizes set in cold applied adhesive. Apply modifiers for specified alternate attachment.

07 22 16 00-0001 Rigid Board Roofing Insulation *(07 22 16)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 22 16 00-0002 High-Density Fiberboard, Roof Board Insulation *(07 22 16 00-0001)*

07 22 16 00-0003	SF	1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation	1.39	
		For Hot-Mopped, Deduct	*-0.15*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.14*	
		For Mechanically Fastened To Gypsum, Add	*0.29*	
07 22 16 00-0004	SF	25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation	1.62	
		For Hot-Mopped, Deduct	*-0.15*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.15*	
		For Mechanically Fastened To Gypsum, Add	*0.30*	
07 22 16 00-0005	SF	1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation	1.85	
		For Hot-Mopped, Deduct	*-0.15*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.17*	
		For Mechanically Fastened To Gypsum, Add	*0.32*	
07 22 16 00-0006	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation	2.26	
		For Hot-Mopped, Deduct	*-0.14*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*	
		For Mechanically Fastened To Concrete, Add	*0.22*	
		For Mechanically Fastened To Gypsum, Add	*0.35*	
07 22 16 00-0007	SF	2" Thick, R5, High-Density Fiberboard, Roof Board Insulation	2.67	
		For Hot-Mopped, Deduct	*-0.13*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*	
		For Mechanically Fastened To Concrete, Add	*0.24*	
		For Mechanically Fastened To Gypsum, Add	*0.39*	

07 22 16 00-0008 Wood Fiber (Cellulosic-Fiber), Roof Board Insulation *(07 22 16 00-0001)*

07 22 16 00-0009	SF	1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation	1.50	
		For Hot-Mopped, Deduct	*-0.15*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.17*	
		For Mechanically Fastened To Gypsum, Add	*0.32*	
07 22 16 00-0010	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation	1.78	
		For Hot-Mopped, Deduct	*-0.15*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.17*	
		For Mechanically Fastened To Gypsum, Add	*0.32*	

07 22 16 00-0011 Perlite, Roof Board Insulation *(07 22 16 00-0001)*

07 22 16 00-0012	SF	1/2" Thick, R1.32, Perlite, Roof Board Insulation	1.35	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.11*	
		For Mechanically Fastened To Gypsum, Add	*0.26*	
07 22 16 00-0013	SF	3/4" Thick, R2.08, Perlite, Roof Board Insulation	1.48	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.11*	
		For Mechanically Fastened To Gypsum, Add	*0.26*	
07 22 16 00-0014	SF	1" Thick, R2.78, Perlite, Roof Board Insulation	1.65	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.11*	
		For Mechanically Fastened To Gypsum, Add	*0.26*	
07 22 16 00-0015	SF	1-1/2" Thick, R4.17, Perlite, Roof Board Insulation	2.03	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*	
		For Mechanically Fastened To Concrete, Add	*0.13*	
		For Mechanically Fastened To Gypsum, Add	*0.26*	
07 22 16 00-0016	SF	2" Thick, R5.56, Perlite, Roof Board Insulation	2.28	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*	
		For Mechanically Fastened To Concrete, Add	*0.14*	
		For Mechanically Fastened To Gypsum, Add	*0.29*	

07 22 16 00-0017 Basalt Rock Wool, Roof Board Insulation *(07 22 16 00-0001)*

07 22 16 00-0018	SF	1" Thick, R3.5, Basalt Rock Wool, Roof Board Insulation	1.86	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.11*	
		For Mechanically Fastened To Gypsum, Add	*0.26*	
07 22 16 00-0019	SF	2" Thick, R7.4, Basalt Rock Wool, Roof Board Insulation	2.48	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*	
		For Mechanically Fastened To Concrete, Add	*0.14*	
		For Mechanically Fastened To Gypsum, Add	*0.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0020	SF	3" Thick, R11.1, Basalt Rock Wool, Roof Board Insulation	3.22	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.05*	
		For Mechanically Fastened To Concrete, Add	*0.18*	
		For Mechanically Fastened To Gypsum, Add	*0.34*	

07 22 16 00-0021 Foam Glass (Cellular Glass), Roof Board Insulation *(07 22 16 00-0001)*

07 22 16 00-0022	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation	3.41	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*	
		For Mechanically Fastened To Concrete, Add	*0.13*	
		For Mechanically Fastened To Gypsum, Add	*0.26*	
07 22 16 00-0023	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation	4.02	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*	
		For Mechanically Fastened To Concrete, Add	*0.14*	
		For Mechanically Fastened To Gypsum, Add	*0.29*	
07 22 16 00-0024	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation	5.23	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.05*	
		For Mechanically Fastened To Concrete, Add	*0.18*	
		For Mechanically Fastened To Gypsum, Add	*0.34*	
07 22 16 00-0025	SF	3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation	6.43	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*0.01*	
		For Mechanically Fastened To Concrete, Add	*0.24*	
		For Mechanically Fastened To Gypsum, Add	*0.35*	

07 22 16 00-0026 Molded Expanded Polystyrene, Roof Board Insulation *(07 22 16 00-0001)*

07 22 16 00-0027	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	1.32	
		For Loose-Laid, Deduct	*-0.70*	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.13*	
		For Mechanically Fastened To Gypsum, Add	*0.28*	
07 22 16 00-0028	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	1.37	
		For Loose-Laid, Deduct	*-0.70*	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.13*	
		For Mechanically Fastened To Gypsum, Add	*0.28*	
07 22 16 00-0029	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	1.52	
		For Loose-Laid, Deduct	*-0.70*	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.13*	
		For Mechanically Fastened To Gypsum, Add	*0.28*	
07 22 16 00-0030	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	1.67	
		For Loose-Laid, Deduct	*-0.71*	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.14*	
		For Mechanically Fastened To Gypsum, Add	*0.29*	
07 22 16 00-0031	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	2.26	
		For Loose-Laid, Deduct	*-0.72*	
		For Hot-Mopped, Deduct	*-0.15*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*	
		For Mechanically Fastened To Concrete, Add	*0.16*	
		For Mechanically Fastened To Gypsum, Add	*0.31*	
07 22 16 00-0032	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	2.84	
		For Loose-Laid, Deduct	*-0.72*	
		For Hot-Mopped, Deduct	*-0.15*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.05*	
		For Mechanically Fastened To Concrete, Add	*0.21*	
		For Mechanically Fastened To Gypsum, Add	*0.37*	
07 22 16 00-0033	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	3.44	
		For Loose-Laid, Deduct	*-0.74*	
		For Hot-Mopped, Deduct	*-0.15*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*0.01*	
		For Mechanically Fastened To Concrete, Add	*0.28*	
		For Mechanically Fastened To Gypsum, Add	*0.42*	
07 22 16 00-0034	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	4.03	
		For Loose-Laid, Deduct	*-0.75*	
		For Hot-Mopped, Deduct	*-0.15*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.07*	
		For Mechanically Fastened To Concrete, Add	*0.34*	
		For Mechanically Fastened To Gypsum, Add	*0.47*	
07 22 16 00-0035	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	4.63	
		For Loose-Laid, Deduct	*-0.76*	
		For Hot-Mopped, Deduct	*-0.15*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.28*	
		For Mechanically Fastened To Concrete, Add	*0.56*	
		For Mechanically Fastened To Gypsum, Add	*0.56*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 22 16 00-0036 Extruded Polystyrene, Roof Board Insulation *(07 22 16 00-0001)*

Note: 15 PSI compressive strength.

07 22 16 00-0037	SF	3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation	1.72	
		For Loose-Laid, Deduct	*-0.67*	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.11*	
		For Mechanically Fastened To Gypsum, Add	*0.26*	
		For 25 PSI Compressive Strength, Add	*0.17*	
		For 40 PSI Compressive Strength, Add	*0.40*	
		For 60 PSI Compressive Strength, Add	*0.64*	
		For 115 PSI Compressive Strength, Add	*2.77*	
07 22 16 00-0038	SF	1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation	1.81	
		For Loose-Laid, Deduct	*-0.67*	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.11*	
		For Mechanically Fastened To Gypsum, Add	*0.26*	
		For 25 PSI Compressive Strength, Add	*0.18*	
		For 40 PSI Compressive Strength, Add	*0.43*	
		For 60 PSI Compressive Strength, Add	*0.69*	
		For 115 PSI Compressive Strength, Add	*2.97*	
07 22 16 00-0039	SF	1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation	2.20	
		For Loose-Laid, Deduct	*-0.67*	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*	
		For Mechanically Fastened To Concrete, Add	*0.13*	
		For Mechanically Fastened To Gypsum, Add	*0.26*	
		For 25 PSI Compressive Strength, Add	*0.24*	
		For 40 PSI Compressive Strength, Add	*0.58*	
		For 60 PSI Compressive Strength, Add	*0.92*	
		For 100 PSI Compressive Strength, Add	*1.17*	
		For 115 PSI Compressive Strength, Add	*3.97*	
07 22 16 00-0040	SF	2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation	2.60	
		For Loose-Laid, Deduct	*-0.68*	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*	
		For Mechanically Fastened To Concrete, Add	*0.14*	
		For Mechanically Fastened To Gypsum, Add	*0.29*	
		For 25 PSI Compressive Strength, Add	*0.31*	
		For 40 PSI Compressive Strength, Add	*0.73*	
		For 60 PSI Compressive Strength, Add	*1.14*	
		For 115 PSI Compressive Strength, Add	*4.98*	
07 22 16 00-0041	SF	2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation	2.99	
		For Loose-Laid, Deduct	*-0.68*	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.05*	
		For Mechanically Fastened To Concrete, Add	*0.18*	
		For Mechanically Fastened To Gypsum, Add	*0.32*	
		For 25 PSI Compressive Strength, Add	*0.37*	
		For 40 PSI Compressive Strength, Add	*0.87*	
		For 60 PSI Compressive Strength, Add	*1.37*	
		For 100 PSI Compressive Strength, Add	*1.76*	
		For 115 PSI Compressive Strength, Add	*5.98*	
07 22 16 00-0042	SF	3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation	3.40	
		For Loose-Laid, Deduct	*-0.69*	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.05*	
		For Mechanically Fastened To Concrete, Add	*0.18*	
		For Mechanically Fastened To Gypsum, Add	*0.34*	
		For 25 PSI Compressive Strength, Add	*0.43*	
		For 40 PSI Compressive Strength, Add	*1.02*	
		For 60 PSI Compressive Strength, Add	*1.60*	
		For 115 PSI Compressive Strength, Add	*6.98*	
07 22 16 00-0043	SF	4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation	3.81	
		For Loose-Laid, Deduct	*-0.70*	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*0.01*	
		For Mechanically Fastened To Concrete, Add	*0.25*	
		For Mechanically Fastened To Gypsum, Add	*0.39*	
		For 25 PSI Compressive Strength, Add	*0.49*	
		For 40 PSI Compressive Strength, Add	*1.17*	
		For 60 PSI Compressive Strength, Add	*1.82*	
		For 115 PSI Compressive Strength, Add	*7.99*	

07 22 16 00-0044 Polyisocyanurate Board Roofing Insulation *(07 22 16 00-0001)*

07 22 16 00-0045	SF	3/4" Thick, R5.1, Polyisocyanurate, Roof Board Insulation	1.55	
		For Loose-Laid, Deduct	*-0.67*	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.11*	
		For Mechanically Fastened To Gypsum, Add	*0.26*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0046	SF	1" Thick, R7.14, Polyisocyanurate, Roof Board Insulation	1.61	
		For Loose-Laid, Deduct	*-0.67*	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.11*	
		For Mechanically Fastened To Gypsum, Add	*0.26*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.09*	
07 22 16 00-0047	SF	1-1/2" Thick, R10.87, Polyisocyanurate, Roof Board Insulation	1.69	
		For Loose-Laid, Deduct	*-0.67*	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*	
		For Mechanically Fastened To Concrete, Add	*0.13*	
		For Mechanically Fastened To Gypsum, Add	*0.26*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.10*	
07 22 16 00-0048	SF	2" Thick, R14.29, Polyisocyanurate, Roof Board Insulation	1.92	
		For Loose-Laid, Deduct	*-0.68*	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*	
		For Mechanically Fastened To Concrete, Add	*0.14*	
		For Mechanically Fastened To Gypsum, Add	*0.29*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.12*	
07 22 16 00-0049	SF	2-1/2" Thick, R16.67, Polyisocyanurate, Roof Board Insulation	2.15	
		For Loose-Laid, Deduct	*-0.68*	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.05*	
		For Mechanically Fastened To Concrete, Add	*0.18*	
		For Mechanically Fastened To Gypsum, Add	*0.32*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.15*	
07 22 16 00-0050	SF	3" Thick, R21.74, Polyisocyanurate, Roof Board Insulation	2.38	
		For Loose-Laid, Deduct	*-0.69*	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.05*	
		For Mechanically Fastened To Concrete, Add	*0.18*	
		For Mechanically Fastened To Gypsum, Add	*0.34*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.17*	
07 22 16 00-0051	SF	3-1/2" Thick, R25, Polyisocyanurate, Roof Board Insulation	2.63	
		For Loose-Laid, Deduct	*-0.69*	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*0.01*	
		For Mechanically Fastened To Concrete, Add	*0.25*	
		For Mechanically Fastened To Gypsum, Add	*0.36*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.19*	
07 22 16 00-0052	SF	4" Thick, R28.8, Polyisocyanurate, Roof Board Insulation	2.86	
		For Loose-Laid, Deduct	*-0.70*	
		For Hot-Mopped, Deduct	*-0.16*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*0.01*	
		For Mechanically Fastened To Concrete, Add	*0.25*	
		For Mechanically Fastened To Gypsum, Add	*0.39*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.21*	

07 22 16 00-0053 High-Density Polyisocyanurate Cover Board And Roofing Insulation *(07 22 16 00-0001)*

07 22 16 00-0054	SF	1/2" Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation	1.75	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.14*	
		For Mechanically Fastened To Gypsum, Add	*0.29*	

07 22 16 00-0055 Gypsum-Fiber, Roof Board Insulation (USG Securock) *(07 22 16 00-0001)*

07 22 16 00-0056	SF	1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum)	1.67	
		For Hot-Mopped, Deduct	*-0.15*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.14*	
		For Mechanically Fastened To Gypsum, Add	*0.29*	
07 22 16 00-0057	SF	3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum)	1.76	
		For Hot-Mopped, Deduct	*-0.15*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.14*	
		For Mechanically Fastened To Gypsum, Add	*0.29*	
07 22 16 00-0058	SF	1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum)	1.82	
		For Hot-Mopped, Deduct	*-0.15*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.14*	
		For Mechanically Fastened To Gypsum, Add	*0.29*	
07 22 16 00-0059	SF	5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum)	1.86	
		For Hot-Mopped, Deduct	*-0.15*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.14*	
		For Mechanically Fastened To Gypsum, Add	*0.29*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0060		Glass-Mat, Roof Board Insulation (USG Securock) *(07 22 16 00-0001)*		
07 22 16 00-0061	SF	1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat)	1.64	
		For Hot-Mopped, Deduct	*-0.15*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.14*	
		For Mechanically Fastened To Gypsum, Add	*0.29*	
07 22 16 00-0062	SF	1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat)	1.78	
		For Hot-Mopped, Deduct	*-0.15*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.14*	
		For Mechanically Fastened To Gypsum, Add	*0.29*	
07 22 16 00-0063	SF	5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat)	1.81	
		For Hot-Mopped, Deduct	*-0.15*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.14*	
		For Mechanically Fastened To Gypsum, Add	*0.29*	
07 22 16 00-0064		Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation *(07 22 16 00-0001)*		
		Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.		
07 22 16 00-0065	SF	1.5" Thick, R6.6, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation	2.78	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*	
		For Mechanically Fastened To Concrete, Add	*0.24*	
		For Mechanically Fastened To Gypsum, Add	*0.39*	
07 22 16 00-0066	SF	2" Thick, R9.6, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation	2.91	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.09*	
		For Mechanically Fastened To Concrete, Add	*0.24*	
		For Mechanically Fastened To Gypsum, Add	*0.39*	
07 22 16 00-0067	SF	2.5" Thick, R12.7, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation	3.10	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.05*	
		For Mechanically Fastened To Concrete, Add	*0.29*	
		For Mechanically Fastened To Gypsum, Add	*0.43*	
07 22 16 00-0068	SF	3" Thick, R15.9, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation	3.22	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.05*	
		For Mechanically Fastened To Concrete, Add	*0.29*	
		For Mechanically Fastened To Gypsum, Add	*0.45*	
07 22 16 00-0069	SF	3.5" Thick, R19.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation	3.48	
		For Mechanically Fastened To Wood Or Steel, Deduct	*0.01*	
		For Mechanically Fastened To Concrete, Add	*0.36*	
		For Mechanically Fastened To Gypsum, Add	*0.47*	
07 22 16 00-0070	SF	4" Thick, R22.3, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation	3.59	
		For Mechanically Fastened To Wood Or Steel, Deduct	*0.01*	
		For Mechanically Fastened To Concrete, Add	*0.36*	
		For Mechanically Fastened To Gypsum, Add	*0.50*	
07 22 16 00-0071	SF	4.5" Thick, R25.6, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation	3.79	
		For Mechanically Fastened To Wood Or Steel, Add	*0.07*	
		For Mechanically Fastened To Concrete, Add	*0.45*	
		For Mechanically Fastened To Gypsum, Add	*0.58*	
07 22 16 00-0072		Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation *(07 22 16 00-0001)*		
		Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.		
07 22 16 00-0073	SF	2.5" Thick, R6.0, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation	2.80	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.05*	
		For Mechanically Fastened To Concrete, Add	*0.28*	
		For Mechanically Fastened To Gypsum, Add	*0.42*	
07 22 16 00-0074	SF	3" Thick, R9.0, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation	3.04	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.05*	
		For Mechanically Fastened To Concrete, Add	*0.28*	
		For Mechanically Fastened To Gypsum, Add	*0.44*	
07 22 16 00-0075	SF	3.5" Thick, R12.1, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation	3.33	
		For Mechanically Fastened To Wood Or Steel, Deduct	*0.01*	
		For Mechanically Fastened To Concrete, Add	*0.35*	
		For Mechanically Fastened To Gypsum, Add	*0.46*	
07 22 16 00-0076	SF	4" Thick, R15.3, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation	3.51	
		For Mechanically Fastened To Wood Or Steel, Deduct	*0.01*	
		For Mechanically Fastened To Concrete, Add	*0.35*	
		For Mechanically Fastened To Gypsum, Add	*0.49*	
07 22 16 00-0077	SF	4.5" Thick, R18.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation	3.75	
		For Mechanically Fastened To Wood Or Steel, Add	*0.07*	
		For Mechanically Fastened To Concrete, Add	*0.42*	
		For Mechanically Fastened To Gypsum, Add	*0.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0078	SF	5" Thick, R21.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation	4.00	
		For Mechanically Fastened To Wood Or Steel, Add	*0.07*	
		For Mechanically Fastened To Concrete, Add	*0.42*	
		For Mechanically Fastened To Gypsum, Add	*0.55*	
07 22 16 00-0079	SF	5.5" Thick, R25.0, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation	4.47	
		For Mechanically Fastened To Wood Or Steel, Add	*0.28*	
		For Mechanically Fastened To Concrete, Add	*0.66*	
		For Mechanically Fastened To Gypsum, Add	*0.66*	

07 22 16 00-0080 Rigid Board Tapered Roofing Insulation *(07 22 16)*

Note: Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or coverboard.

07 22 16 00-0081 Tapered Polyisocyanurate Board *(07 22 16 00-0080)*

Note: Includes polyurethane adhesive.

07 22 16 00-0082 1/8" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0081)*

07 22 16 00-0083	SF	2.25" Average Thickness (13.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	2.83	
		For 25 PSI Compressive Strength, Add	*0.17*	
		For Hot-Mopped, Deduct	*-0.12*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.05*	
		For Mechanically Fastened To Concrete, Add	*0.23*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*0.65*	
07 22 16 00-0084	SF	2.75" Average Thickness (16.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	4.03	
		For 25 PSI Compressive Strength, Add	*0.20*	
		For Hot-Mopped, Deduct	*-0.24*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.05*	
		For Mechanically Fastened To Concrete, Add	*0.46*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.11*	
07 22 16 00-0085	SF	3.25" Average Thickness (19.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	4.34	
		For 25 PSI Compressive Strength, Add	*0.23*	
		For Hot-Mopped, Deduct	*-0.24*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.05*	
		For Mechanically Fastened To Concrete, Add	*0.46*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.13*	
07 22 16 00-0086	SF	3.75" Average Thickness (22.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	4.64	
		For 25 PSI Compressive Strength, Add	*0.26*	
		For Hot-Mopped, Deduct	*-0.24*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.01*	
		For Mechanically Fastened To Concrete, Add	*0.52*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.14*	
07 22 16 00-0087	SF	4.25" Average Thickness (25.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	4.94	
		For 25 PSI Compressive Strength, Add	*0.29*	
		For Hot-Mopped, Deduct	*-0.24*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.01*	
		For Mechanically Fastened To Concrete, Add	*0.52*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.17*	
07 22 16 00-0088	SF	4.75" Average Thickness (28.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	6.15	
		For 25 PSI Compressive Strength, Add	*0.32*	
		For Hot-Mopped, Deduct	*-0.34*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.07*	
		For Mechanically Fastened To Concrete, Add	*0.80*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.67*	
07 22 16 00-0089	SF	5.25" Average Thickness (31.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	6.45	
		For 25 PSI Compressive Strength, Add	*0.35*	
		For Hot-Mopped, Deduct	*-0.34*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.07*	
		For Mechanically Fastened To Concrete, Add	*0.80*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.67*	
07 22 16 00-0090	SF	5.75" Average Thickness (34.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	6.75	
		For 25 PSI Compressive Strength, Add	*0.38*	
		For Hot-Mopped, Deduct	*-0.34*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.28*	
		For Mechanically Fastened To Concrete, Add	*1.01*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.75*	
07 22 16 00-0091	SF	6.25" Average Thickness (37.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	7.05	
		For 25 PSI Compressive Strength, Add	*0.41*	
		For Hot-Mopped, Deduct	*-0.34*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.28*	
		For Mechanically Fastened To Concrete, Add	*1.01*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.75*	
07 22 16 00-0092	SF	6.75" Average Thickness (40.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	8.26	
		For 25 PSI Compressive Strength, Add	*0.44*	
		For Hot-Mopped, Deduct	*-0.46*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.35*	
		For Mechanically Fastened To Concrete, Add	*1.31*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.36*	

07 22 16 00-0093 1/4" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0081)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0094	SF	2" Average Thickness (12 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board	2.68	
		For 25 PSI Compressive Strength, Add	*0.16*	
		For Hot-Mopped, Deduct	*-0.12*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.05*	
		For Mechanically Fastened To Concrete, Add	*0.23*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*0.65*	
07 22 16 00-0095	SF	3" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board	4.18	
		For 25 PSI Compressive Strength, Add	*0.22*	
		For Hot-Mopped, Deduct	*-0.24*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.05*	
		For Mechanically Fastened To Concrete, Add	*0.46*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.11*	
07 22 16 00-0096	SF	4" Average Thickness (24 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board	4.79	
		For 25 PSI Compressive Strength, Add	*0.28*	
		For Hot-Mopped, Deduct	*-0.24*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.01*	
		For Mechanically Fastened To Concrete, Add	*0.52*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.14*	
07 22 16 00-0097	SF	5" Average Thickness (30 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board	6.30	
		For 25 PSI Compressive Strength, Add	*0.34*	
		For Hot-Mopped, Deduct	*-0.34*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.07*	
		For Mechanically Fastened To Concrete, Add	*0.80*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.67*	
07 22 16 00-0098	SF	6" Average Thickness (36 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board	6.90	
		For 25 PSI Compressive Strength, Add	*0.40*	
		For Hot-Mopped, Deduct	*-0.34*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.28*	
		For Mechanically Fastened To Concrete, Add	*1.01*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.75*	
07 22 16 00-0099	SF	7" Average Thickness (42 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board	8.41	
		For 25 PSI Compressive Strength, Add	*0.46*	
		For Hot-Mopped, Deduct	*-0.46*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.35*	
		For Mechanically Fastened To Concrete, Add	*1.31*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.36*	

07 22 16 00-0100 1/2" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0081)*

07 22 16 00-0101	SF	3.5" Average Thickness (21 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board	4.49	
		For 25 PSI Compressive Strength, Add	*0.25*	
		For Hot-Mopped, Deduct	*-0.24*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.05*	
		For Mechanically Fastened To Concrete, Add	*0.46*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.13*	
07 22 16 00-0102	SF	5.5" Average Thickness (33 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board	6.60	
		For 25 PSI Compressive Strength, Add	*0.37*	
		For Hot-Mopped, Deduct	*-0.34*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.07*	
		For Mechanically Fastened To Concrete, Add	*0.80*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.67*	
07 22 16 00-0103	SF	7.5" Average Thickness (45 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board	8.71	
		For 25 PSI Compressive Strength, Add	*0.49*	
		For Hot-Mopped, Deduct	*-0.46*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.35*	
		For Mechanically Fastened To Concrete, Add	*1.31*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.36*	
07 22 16 00-0104	SF	9.5" Average Thickness (57 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board	10.84	
		For 25 PSI Compressive Strength, Add	*0.61*	
		For Hot-Mopped, Deduct	*-0.58*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.67*	
		For Mechanically Fastened To Concrete, Add	*1.86*	

07 22 16 00-0105 Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0080)*

Note: Includes polyurethane adhesive.

07 22 16 00-0106 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0105)*

07 22 16 00-0107	SF	2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	2.49	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.05*	
		For Mechanically Fastened To Concrete, Add	*0.23*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*0.65*	
07 22 16 00-0108	SF	2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	3.70	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.05*	
		For Mechanically Fastened To Concrete, Add	*0.46*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.11*	
07 22 16 00-0109	SF	3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	3.93	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.05*	
		For Mechanically Fastened To Concrete, Add	*0.46*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.13*	
07 22 16 00-0110	SF	3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	4.15	
		For Mechanically Fastened To Wood Or Steel, Add	*0.01*	
		For Mechanically Fastened To Concrete, Add	*0.52*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0111	SF	4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	4.38	
		For Mechanically Fastened To Wood Or Steel, Add	*0.01*	
		For Mechanically Fastened To Concrete, Add	*0.52*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.17*	
07 22 16 00-0112	SF	4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	5.59	
		For Mechanically Fastened To Wood Or Steel, Add	*0.07*	
		For Mechanically Fastened To Concrete, Add	*0.80*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.67*	
07 22 16 00-0113	SF	5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	5.82	
		For Mechanically Fastened To Wood Or Steel, Add	*0.07*	
		For Mechanically Fastened To Concrete, Add	*0.80*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.67*	
07 22 16 00-0114	SF	5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	6.05	
		For Mechanically Fastened To Wood Or Steel, Add	*0.28*	
		For Mechanically Fastened To Concrete, Add	*1.01*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.75*	
07 22 16 00-0115	SF	6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	6.27	
		For Mechanically Fastened To Wood Or Steel, Add	*0.28*	
		For Mechanically Fastened To Concrete, Add	*1.01*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.75*	
07 22 16 00-0116	SF	6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	7.48	
		For Mechanically Fastened To Wood Or Steel, Add	*0.35*	
		For Mechanically Fastened To Concrete, Add	*1.31*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.36*	

07 22 16 00-0117 1/4" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0105)*

07 22 16 00-0118	SF	2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS)	2.38	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.05*	
		For Mechanically Fastened To Concrete, Add	*0.23*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*0.65*	
07 22 16 00-0119	SF	3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS)	3.81	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.05*	
		For Mechanically Fastened To Concrete, Add	*0.46*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.11*	
07 22 16 00-0120	SF	4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS)	4.27	
		For Mechanically Fastened To Wood Or Steel, Add	*0.01*	
		For Mechanically Fastened To Concrete, Add	*0.52*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.14*	
07 22 16 00-0121	SF	5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS)	5.71	
		For Mechanically Fastened To Wood Or Steel, Add	*0.07*	
		For Mechanically Fastened To Concrete, Add	*0.80*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.67*	
07 22 16 00-0122	SF	6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS)	6.16	
		For Mechanically Fastened To Wood Or Steel, Add	*0.28*	
		For Mechanically Fastened To Concrete, Add	*1.01*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.75*	
07 22 16 00-0123	SF	7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS)	7.59	
		For Mechanically Fastened To Wood Or Steel, Add	*0.35*	
		For Mechanically Fastened To Concrete, Add	*1.31*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.36*	

07 22 16 00-0124 1/2" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0105)*

07 22 16 00-0125	SF	3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS)	4.04	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.05*	
		For Mechanically Fastened To Concrete, Add	*0.46*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.13*	
07 22 16 00-0126	SF	5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS)	5.93	
		For Mechanically Fastened To Wood Or Steel, Add	*0.07*	
		For Mechanically Fastened To Concrete, Add	*0.80*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.67*	
07 22 16 00-0127	SF	7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS)	7.82	
		For Mechanically Fastened To Wood Or Steel, Add	*0.35*	
		For Mechanically Fastened To Concrete, Add	*1.31*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.36*	
07 22 16 00-0128	SF	9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS)	9.95	
		For Mechanically Fastened To Wood Or Steel, Add	*0.67*	
		For Mechanically Fastened To Concrete, Add	*1.86*	

07 22 16 00-0129 Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0080)*

Note: Includes polyurethane adhesive.

07 22 16 00-0130 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0129)*

07 22 16 00-0131	SF	2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	2.76	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.05*	
		For Mechanically Fastened To Concrete, Add	*0.23*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*0.65*	
07 22 16 00-0132	SF	2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	3.97	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.05*	
		For Mechanically Fastened To Concrete, Add	*0.46*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0133	SF	3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	4.25	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.05*	
		For Mechanically Fastened To Concrete, Add	*0.46*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.13*	
07 22 16 00-0134	SF	3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	4.54	
		For Mechanically Fastened To Wood Or Steel, Add	*0.01*	
		For Mechanically Fastened To Concrete, Add	*0.52*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.14*	
07 22 16 00-0135	SF	4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	4.83	
		For Mechanically Fastened To Wood Or Steel, Add	*0.01*	
		For Mechanically Fastened To Concrete, Add	*0.52*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.17*	
07 22 16 00-0136	SF	4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	6.04	
		For Mechanically Fastened To Wood Or Steel, Add	*0.07*	
		For Mechanically Fastened To Concrete, Add	*0.80*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.67*	
07 22 16 00-0137	SF	5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	6.33	
		For Mechanically Fastened To Wood Or Steel, Add	*0.07*	
		For Mechanically Fastened To Concrete, Add	*0.80*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.67*	
07 22 16 00-0138	SF	5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	6.61	
		For Mechanically Fastened To Wood Or Steel, Add	*0.28*	
		For Mechanically Fastened To Concrete, Add	*1.01*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.75*	
07 22 16 00-0139	SF	6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	6.90	
		For Mechanically Fastened To Wood Or Steel, Add	*0.28*	
		For Mechanically Fastened To Concrete, Add	*1.01*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.75*	
07 22 16 00-0140	SF	6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	8.10	
		For Mechanically Fastened To Wood Or Steel, Add	*0.35*	
		For Mechanically Fastened To Concrete, Add	*1.31*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.36*	

07 22 16 00-0141 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0129)*

07 22 16 00-0142	SF	2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS)	2.62	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.05*	
		For Mechanically Fastened To Concrete, Add	*0.23*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*0.65*	
07 22 16 00-0143	SF	3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS)	4.11	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.05*	
		For Mechanically Fastened To Concrete, Add	*0.46*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.11*	
07 22 16 00-0144	SF	4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS)	4.68	
		For Mechanically Fastened To Wood Or Steel, Add	*0.01*	
		For Mechanically Fastened To Concrete, Add	*0.52*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.14*	
07 22 16 00-0145	SF	5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS)	6.18	
		For Mechanically Fastened To Wood Or Steel, Add	*0.07*	
		For Mechanically Fastened To Concrete, Add	*0.80*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.67*	
07 22 16 00-0146	SF	6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS)	6.76	
		For Mechanically Fastened To Wood Or Steel, Add	*0.28*	
		For Mechanically Fastened To Concrete, Add	*1.01*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.75*	
07 22 16 00-0147	SF	7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS)	8.25	
		For Mechanically Fastened To Wood Or Steel, Add	*0.35*	
		For Mechanically Fastened To Concrete, Add	*1.31*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.36*	

07 22 16 00-0148 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0129)*

07 22 16 00-0149	SF	3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS)	4.40	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.05*	
		For Mechanically Fastened To Concrete, Add	*0.46*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.13*	
07 22 16 00-0150	SF	5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS)	6.47	
		For Mechanically Fastened To Wood Or Steel, Add	*0.07*	
		For Mechanically Fastened To Concrete, Add	*0.80*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.67*	
07 22 16 00-0151	SF	7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS)	8.53	
		For Mechanically Fastened To Wood Or Steel, Add	*0.35*	
		For Mechanically Fastened To Concrete, Add	*1.31*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.36*	
07 22 16 00-0152	SF	9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS)	10.61	
		For Mechanically Fastened To Wood Or Steel, Add	*0.67*	
		For Mechanically Fastened To Concrete, Add	*1.86*	

07 22 16 00-0153 Tapered Perlite Board *(07 22 16 00-0080)*

Note: Includes polyurethane adhesive.

07 22 16 00-0154 1/8" Slope, Tapered Perlite Board *(07 22 16 00-0153)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0155	SF	2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board	3.70	
		For Hot-Mopped, Deduct	*-0.12*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.05*	
		For Mechanically Fastened To Concrete, Add	*0.23*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*0.65*	
07 22 16 00-0156	SF	2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board	4.71	
		For Hot-Mopped, Deduct	*-0.24*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.05*	
		For Mechanically Fastened To Concrete, Add	*0.46*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.11*	
07 22 16 00-0157	SF	3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board	5.23	
		For Hot-Mopped, Deduct	*-0.24*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.05*	
		For Mechanically Fastened To Concrete, Add	*0.46*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.13*	
07 22 16 00-0158	SF	3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board	5.66	
		For Hot-Mopped, Deduct	*-0.24*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.01*	
		For Mechanically Fastened To Concrete, Add	*0.52*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.14*	
07 22 16 00-0159	SF	4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board	6.17	
		For Hot-Mopped, Deduct	*-0.24*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.01*	
		For Mechanically Fastened To Concrete, Add	*0.52*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.17*	
07 22 16 00-0160	SF	4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board	7.18	
		For Hot-Mopped, Deduct	*-0.34*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.07*	
		For Mechanically Fastened To Concrete, Add	*0.80*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.67*	
07 22 16 00-0161	SF	5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board	7.70	
		For Hot-Mopped, Deduct	*-0.34*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.07*	
		For Mechanically Fastened To Concrete, Add	*0.80*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.67*	
07 22 16 00-0162	SF	5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board	8.13	
		For Hot-Mopped, Deduct	*-0.34*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.28*	
		For Mechanically Fastened To Concrete, Add	*1.01*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.75*	
07 22 16 00-0163	SF	6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board	8.64	
		For Hot-Mopped, Deduct	*-0.34*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.28*	
		For Mechanically Fastened To Concrete, Add	*1.01*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.75*	
07 22 16 00-0164	SF	6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board	9.65	
		For Hot-Mopped, Deduct	*-0.46*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.35*	
		For Mechanically Fastened To Concrete, Add	*1.31*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.36*	

07 22 16 00-0165 1/4" Slope, Tapered Perlite Board *(07 22 16 00-0153)*

07 22 16 00-0166	SF	2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board	3.45	
		For Hot-Mopped, Deduct	*-0.12*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.05*	
		For Mechanically Fastened To Concrete, Add	*0.23*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*0.65*	
07 22 16 00-0167	SF	3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board	4.97	
		For Hot-Mopped, Deduct	*-0.24*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.05*	
		For Mechanically Fastened To Concrete, Add	*0.46*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.11*	
07 22 16 00-0168	SF	4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board	5.92	
		For Hot-Mopped, Deduct	*-0.24*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.01*	
		For Mechanically Fastened To Concrete, Add	*0.52*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.14*	
07 22 16 00-0169	SF	5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board	7.44	
		For Hot-Mopped, Deduct	*-0.34*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.07*	
		For Mechanically Fastened To Concrete, Add	*0.80*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.67*	
07 22 16 00-0170	SF	6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board	8.39	
		For Hot-Mopped, Deduct	*-0.34*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.28*	
		For Mechanically Fastened To Concrete, Add	*1.01*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.75*	
07 22 16 00-0171	SF	7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board	9.91	
		For Hot-Mopped, Deduct	*-0.46*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.35*	
		For Mechanically Fastened To Concrete, Add	*1.31*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.36*	

07 22 16 00-0172 1/2" Slope, Tapered Perlite Board *(07 22 16 00-0153)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0173	SF	3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board	5.48	
		For Hot-Mopped, Deduct	*-0.24*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.05*	
		For Mechanically Fastened To Concrete, Add	*0.46*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.13*	
07 22 16 00-0174	SF	5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board	7.95	
		For Hot-Mopped, Deduct	*-0.34*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.07*	
		For Mechanically Fastened To Concrete, Add	*0.80*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.67*	
07 22 16 00-0175	SF	7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board	10.42	
		For Hot-Mopped, Deduct	*-0.46*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.35*	
		For Mechanically Fastened To Concrete, Add	*1.31*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.36*	
07 22 16 00-0176	SF	9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board	12.90	
		For Hot-Mopped, Deduct	*-0.58*	
		For Mechanically Fastened To Wood Or Steel, Add	*0.67*	
		For Mechanically Fastened To Concrete, Add	*1.86*	

07 22 16 00-0177 Demolish Rigid Board Roofing Insulation *(07 22 16)*

Note: Includes removing any combination of roofing insulation systems and/or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.).

07 22 16 00-0178	SF	Demolish Up To 1/2" Average Thickness, Rigid Board Roofing Insulation		0.42
07 22 16 00-0179	SF	Demolish >1/2" To 1" Average Thickness, Rigid Board Roofing Insulation		0.43
07 22 16 00-0180	SF	Demolish >1" To 2" Average Thickness, Rigid Board Roofing Insulation		0.44
07 22 16 00-0181	SF	Demolish >2" To 3" Average Thickness, Rigid Board Roofing Insulation		0.45
07 22 16 00-0182	SF	Demolish >3" To 4" Average Thickness, Rigid Board Roofing Insulation		0.46
07 22 16 00-0183	SF	Demolish >4" To 5" Average Thickness, Rigid Board Roofing Insulation		0.47
07 22 16 00-0184	SF	Demolish >5" To 6" Average Thickness, Rigid Board Roofing Insulation		0.48
07 22 16 00-0185	SF	Demolish >6" To 7" Average Thickness, Rigid Board Roofing Insulation		0.50
07 22 16 00-0186	SF	Demolish >7" To 8" Average Thickness, Rigid Board Roofing Insulation		0.51
07 22 16 00-0187	SF	Demolish >8" To 9" Average Thickness, Rigid Board Roofing Insulation		0.52
07 22 16 00-0188	SF	Demolish >9" To 10" Average Thickness, Rigid Board Roofing Insulation		0.53
07 22 16 00-0189	SF	Demolish >10" To 11" Average Thickness, Rigid Board Roofing Insulation		0.54
07 22 16 00-0190	SF	Demolish >11" To 12" Average Thickness, Rigid Board Roofing Insulation		0.56

07 24 Exterior Insulation And Finish Systems *(07 20)*

07 24 13 Polymer-Based Exterior Insulation And Finish System *(07 24)*

07 24 13 00-0001 Exterior Insulation Finishing System (EIFS) *(07 24 13)*

07 24 13 00-0002 Insulation For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

07 24 13 00-0003	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied		2.33
		For Up To 100, Add	*0.54*	
		For >100 To 500, Add	*0.27*	
		For >5,000, Deduct	*-0.11*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*0.38*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*0.67*	
07 24 13 00-0004	SF	1-1/2" Thick, R5.78, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied		2.61
		For Up To 100, Add	*0.54*	
		For >100 To 500, Add	*0.27*	
		For >5,000, Deduct	*-0.11*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*0.40*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*0.68*	
07 24 13 00-0005	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied		2.90
		For Up To 100, Add	*0.54*	
		For >100 To 500, Add	*0.27*	
		For >5,000, Deduct	*-0.11*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*0.45*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*0.75*	
07 24 13 00-0006	SF	2-1/2" Thick, R9.63, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied		3.18
		For Up To 100, Add	*0.54*	
		For >100 To 500, Add	*0.27*	
		For >5,000, Deduct	*-0.11*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*0.50*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*0.79*	
07 24 13 00-0007	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied		3.47
		For Up To 100, Add	*0.54*	
		For >100 To 500, Add	*0.27*	
		For >5,000, Deduct	*-0.11*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*0.50*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*0.79*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0008	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	4.04	
		For Up To 100, Add	*0.54*	
		For >100 To 500, Add	*0.27*	
		For >5,000, Deduct	*-0.11*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*0.57*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*0.86*	

07 24 13 00-0009 Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

Note: Includes applying a layer of base coat to the insulation board and fully embedding the reinforcing fabric in the wet base coat.

07 24 13 00-0010	SF	4.3 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit S-Mesh), Embedded In A Layer Of Base Coat	3.15	
		For Up To 100, Add	*1.08*	
		For >100 To 500, Add	*0.54*	
		For >5,000, Deduct	*-0.22*	
07 24 13 00-0011	SF	6.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit SP-Mesh), Embedded In A Layer Of Base Coat	3.45	
		For Up To 100, Add	*1.08*	
		For >100 To 500, Add	*0.54*	
		For >5,000, Deduct	*-0.22*	
07 24 13 00-0012	SF	15.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 15), Embedded In A Layer Of Base Coat	4.24	
		For Up To 100, Add	*1.08*	
		For >100 To 500, Add	*0.54*	
		For >5,000, Deduct	*-0.22*	
07 24 13 00-0013	SF	20.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 20), Embedded In A Layer Of Base Coat	4.48	
		For Up To 100, Add	*1.08*	
		For >100 To 500, Add	*0.54*	
		For >5,000, Deduct	*-0.22*	

07 24 13 00-0014 Base Coats For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

07 24 13 00-0015	SF	Polymer-Based, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis® DM)	1.54	
		For Up To 100, Add	*0.54*	
		For >100 To 500, Add	*0.27*	
		For >5,000, Deduct	*-0.11*	
07 24 13 00-0016	SF	Acrylic-Modified, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis®)	1.76	
		For Up To 100, Add	*0.54*	
		For >100 To 500, Add	*0.27*	
		For >5,000, Deduct	*-0.11*	
07 24 13 00-0017	SF	Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®)	2.94	
		For Up To 100, Add	*0.54*	
		For >100 To 500, Add	*0.27*	
		For >5,000, Deduct	*-0.11*	
07 24 13 00-0018	SF	Hydrostatic Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®)	3.87	
		For Up To 100, Add	*0.54*	
		For >100 To 500, Add	*0.27*	
		For >5,000, Deduct	*-0.11*	

07 24 13 00-0019 Finish Coats For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

Note: Includes all standard manufacturers' colors.

07 24 13 00-0020	SF	100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish)	2.68	
		For Up To 100, Add	*1.08*	
		For >100 To 500, Add	*0.54*	
		For >5,000, Deduct	*-0.22*	
07 24 13 00-0021	SF	100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish)	2.72	
		For Up To 100, Add	*1.08*	
		For >100 To 500, Add	*0.54*	
		For >5,000, Deduct	*-0.22*	
07 24 13 00-0022	SF	Lightweight Elastic, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish)	3.07	
		For Up To 100, Add	*1.08*	
		For >100 To 500, Add	*0.54*	
		For >5,000, Deduct	*-0.22*	
07 24 13 00-0023	SF	Lightweight Elastic, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish)	3.38	
		For Up To 100, Add	*1.08*	
		For >100 To 500, Add	*0.54*	
		For >5,000, Deduct	*-0.22*	
07 24 13 00-0024	SF	Mildew Resistant, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish)	3.07	
		For Up To 100, Add	*1.08*	
		For >100 To 500, Add	*0.54*	
		For >5,000, Deduct	*-0.22*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0025	SF	Mildew Resistant, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish)	3.38	
		For Up To 100, Add	*1.08*	
		For >100 To 500, Add	*0.54*	
		For >5,000, Deduct	*-0.22*	
07 24 13 00-0026	SF	Flexible Elastomeric, 100% Acrylic-Based Smooth Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic® Smooth)	2.77	
		For Up To 100, Add	*1.08*	
		For >100 To 500, Add	*0.54*	
		For >5,000, Deduct	*-0.22*	
07 24 13 00-0027	SF	Flexible Elastomeric, 100% Acrylic-Based Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic®)	3.09	
		For Up To 100, Add	*1.08*	
		For >100 To 500, Add	*0.54*	
		For >5,000, Deduct	*-0.22*	
07 24 13 00-0028	SF	100% Acrylic-Based Finish With Multi-Colored Quartz Aggregates, Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Ameristone™)	5.84	
		For Up To 100, Add	*1.08*	
		For >100 To 500, Add	*0.54*	
		For >5,000, Deduct	*-0.22*	
07 24 13 00-0029		Primer And Sealers For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*		
07 24 13 00-0030	SF	100% Acrylic-Based Primer/Adhesion Promoter For Exterior Insulation Finishing Systems (EIFS) (Dryvit Prymit®)	0.79	
		For Up To 100, Add	*0.30*	
		For >100 To 500, Add	*0.15*	
		For >5,000, Deduct	*-0.06*	
07 24 13 00-0031	SF	100% Acrylic Emulsion Primer/Sealer For Exterior Insulation Finishing Systems (EIFS) (Dryvit SealClear™)	0.81	
		For Up To 100, Add	*0.30*	
		For >100 To 500, Add	*0.15*	
		For >5,000, Deduct	*-0.06*	
07 24 13 00-0032		Air/Water/Vapor Barriers For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*		
07 24 13 00-0033	SF	Smooth, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat	1.05	
		For Up To 100, Add	*0.30*	
		For >100 To 500, Add	*0.15*	
		For >5,000, Deduct	*-0.06*	
07 24 13 00-0034	SF	Texture, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat	1.27	
		For Up To 100, Add	*0.30*	
		For >100 To 500, Add	*0.15*	
		For >5,000, Deduct	*-0.06*	
07 24 13 00-0035		Drainage Accessories For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*		
07 24 13 00-0036	SF	1/8" Thick, Flexible Polyamide Drainage Mat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Drainage Mat)	1.57	
		For Up To 100, Add	*0.34*	
		For >100 To 500, Add	*0.17*	
		For >5,000, Deduct	*-0.07*	
07 24 13 00-0037		Starter Tracks For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*		
07 24 13 00-0038	LF	1" Width, PVC Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP)	2.23	
07 24 13 00-0039	LF	1-1/2" Width, PVC Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP)	2.39	
07 24 13 00-0040	LF	2" Width, PVC Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP)	2.59	
07 24 13 00-0041	LF	3" Width, PVC Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP)	2.99	
07 24 13 00-0042	LF	1" Width, PVC Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE)	2.39	
07 24 13 00-0043	LF	1-1/2" Width, PVC Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE)	2.59	
07 24 13 00-0044	LF	2" Width, PVC Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE)	2.78	
07 24 13 00-0045	LF	3" Width, PVC Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE)	3.22	
07 24 13 00-0046		Demolish Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*		
07 24 13 00-0047	SF	Demolish Exterior Insulation Finishing Systems (EIFS) Note: Includes demolition of all finish coats, base coats, reinforcing layers and insulation layers down to the substrate. Excludes demolition of sheathing.	2.01	
		For Up To 100, Add	*1.01*	
		For >100 To 500, Add	*0.50*	
		For >5,000, Deduct	*-0.20*	

07 25 Weather Barriers *(07)*

07 26 Vapor Retarders *(07 25)*

07 26 13 Above-Grade Vapor Retarders *(07 26)*

07 26 13 00-0001	CSF	Two Layer Kraft Paper Laminated With Asphalt, Grade "B" Building Paper (Aquabar B)	19.91	
07 26 13 00-0002	CSF	Asphalt Saturated Kraft Building Paper, Grade D, "Jumbo Tex"	18.78	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 26 13 00-0003	CSF	60 Minute Asphalt Saturated Kraft Building Paper, Grade D, "Super Jumbo Tex 60 Minute"	22.39	
07 26 13 00-0004	CSF	Two Ply 60 Minute Asphalt Saturated Kraft Building Paper, Grade D, "Two Ply Super Jumbo Tex 60 Minute"	27.70	
07 26 13 00-0005	CSF	Regular Weight Red Rosin Sized Sheathing	28.65	
07 26 13 00-0006	CLF	6" Wide Two Layer Kraft Paper Laminated With Asphalt, Building Flashing Paper (Bond Beam Paper)	59.81	
07 26 13 00-0007	CLF	4" Wide Self Adhering Butyl Sealing Tape	85.25	
07 26 13 00-0008	CLF	6" Wide Self Adhesive Butyl Sealing Tape	119.72	
07 26 13 00-0009	CLF	9" Wide Self Adhesive Butyl Sealing Tape	162.24	
07 26 13 00-0010	CSF	Building Wrap (Tyvek)	46.85	

07 27 Air Barriers *(07 25)*

07 27 23 Board Product Air Barriers *(07 27)*

07 27 23 00-0001 Barriers For Plenums *(07 27 23)*

07 27 23 00-0002	SF	0.5" Thick Leaded Vinyl Acoustic Plenum Barrier 0.48 LB/SF	8.09	2.35
		For Up To 50, Add	*3.06*	
		For >50 To 200, Add	*1.73*	
		For >200 To 500, Add	*0.64*	
		For >2,500, Deduct	*-0.40*	
07 27 23 00-0003	SF	0.625" Thick Leaded Vinyl Acoustic Plenum Barrier 0.87 LB/SF	8.75	2.35
		For Up To 50, Add	*3.33*	
		For >50 To 200, Add	*1.89*	
		For >200 To 500, Add	*0.69*	
		For >2,500, Deduct	*-0.44*	
07 27 23 00-0004	SF	Aluminum Foil Fiberglass Reinforced Plenum Bar Parallel With Joists 1" Thick	3.27	1.57
		For Up To 50, Add	*1.63*	
		For >50 To 200, Add	*0.90*	
		For >200 To 500, Add	*0.31*	
		For >2,500, Deduct	*-0.16*	
07 27 23 00-0005	SF	Aluminum Foil Fiberglass Reinforced Plenum Bar Perpendicular With Joists 1" Thick	5.94	2.35
		For Up To 50, Add	*2.91*	
		For >50 To 200, Add	*1.60*	
		For >200 To 500, Add	*0.55*	
		For >2,500, Deduct	*-0.30*	
07 27 23 00-0006	SF	Aluminum Mesh Barrier For Plenum Kraft Paper Backed	4.39	1.57
		For Up To 50, Add	*1.80*	
		For >50 To 200, Add	*1.01*	
		For >200 To 500, Add	*0.36*	
		For >2,500, Deduct	*-0.22*	
07 27 23 00-0007	SF	1/64" Thick Sheet Lead Barrier For Plenum 1 LB/SF	6.06	1.57
		For Up To 50, Add	*1.95*	
		For >50 To 200, Add	*1.13*	
		For >200 To 500, Add	*0.43*	
		For >2,500, Deduct	*-0.30*	

07 30 Steep Slope Roofing *(07)*

Note: Includes starter strips and 15 year warranty unless otherwise noted and all warranties are No Dollar Limit (NDL) to include labor, material and equipment.

07 31 Shingles And Shakes *(07 30)*

07 31 13 Asphalt Shingles *(07 31)*

07 31 13 00-0001 Three Tab Fiberglass Reinforced, Asphalt Composition Shingle *(07 31 13)*

Note: Excludes underlayment, drip edges, and ridge vent.

07 31 13 00-0002	SQ	200 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed CT 20)	210.57	137.82
		For >50 To 75, Deduct	*-3.41*	
		For >75 To 100, Deduct	*-9.10*	
		For >100 To 200, Deduct	*-15.64*	
		For >200, Deduct	*-24.47*	
		For Steep Roof, Over 7 To 12, Add	*40.11*	
07 31 13 00-0003	SQ	220 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 25)	220.82	144.74
		For >50 To 75, Deduct	*-3.57*	
		For >75 To 100, Deduct	*-9.54*	
		For >100 To 200, Deduct	*-16.40*	
		For >200, Deduct	*-25.65*	
		For Steep Roof, Over 7 To 12, Add	*42.11*	
07 31 13 00-0004	SQ	230 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 30)	255.78	151.96
		For >50 To 75, Deduct	*-4.70*	
		For >75 To 100, Deduct	*-11.69*	
		For >100 To 200, Deduct	*-19.84*	
		For >200, Deduct	*-30.28*	
		For Steep Roof, Over 7 To 12, Add	*44.22*	

07 31 13 00-0005 Architectural Fiberglass Reinforced, Asphalt Composition Shingle *(07 31 13)*

Note: Excludes underlayment, drip edges, and ridge vent.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 13 00-0006	SQ	245 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark)	262.57	175.95
		For >50 To 75, Deduct	*-4.11*	
		For >75 To 100, Deduct	*-11.18*	
		For >100 To 200, Deduct	*-19.29*	
		For >200, Deduct	*-30.36*	
		For Steep Roof, Over 7 To 12, Add	*51.18*	
07 31 13 00-0007	SQ	240 LB/SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Highland Slate)	278.21	167.52
		For >50 To 75, Deduct	*-5.04*	
		For >75 To 100, Deduct	*-12.62*	
		For >100 To 200, Deduct	*-21.46*	
		For >200, Deduct	*-32.86*	
		For Steep Roof, Over 7 To 12, Add	*48.75*	
07 31 13 00-0008	SQ	265 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Plus)	301.34	184.74
		For >50 To 75, Deduct	*-5.33*	
		For >75 To 100, Deduct	*-13.53*	
		For >100 To 200, Deduct	*-23.07*	
		For >200, Deduct	*-35.47*	
		For Steep Roof, Over 7 To 12, Add	*53.75*	
07 31 13 00-0009	SQ	235 LB/SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Hatteras)	291.26	159.55
		For >50 To 75, Deduct	*-5.85*	
		For >75 To 100, Deduct	*-13.86*	
		For >100 To 200, Deduct	*-23.34*	
		For >200, Deduct	*-34.97*	
		For Steep Roof, Over 7 To 12, Add	*46.41*	
07 31 13 00-0010	SQ	300 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Premium)	327.01	193.99
		For >50 To 75, Deduct	*-6.03*	
		For >75 To 100, Deduct	*-14.96*	
		For >100 To 200, Deduct	*-25.39*	
		For >200, Deduct	*-38.73*	
		For Steep Roof, Over 7 To 12, Add	*56.42*	
07 31 13 00-0011	SQ	300 LB/SQ, 5" Exposure, Random Laminated Tabs, One Piece, Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Independence)	349.10	193.99
		For >50 To 75, Deduct	*-6.91*	
		For >75 To 100, Deduct	*-16.50*	
		For >100 To 200, Deduct	*-27.82*	
		For >200, Deduct	*-41.82*	
		For Steep Roof, Over 7 To 12, Add	*56.42*	
07 31 13 00-0012	SQ	355 LB/SQ, 4" Exposure, Sculpted Edge, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake)	381.21	213.83
		For >50 To 75, Deduct	*-7.47*	
		For >75 To 100, Deduct	*-17.93*	
		For >100 To 200, Deduct	*-30.27*	
		For >200, Deduct	*-45.59*	
		For Steep Roof, Over 7 To 12, Add	*62.22*	
07 31 13 00-0013	SQ	340 LB/SQ, 5" Exposure, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark TL)	378.18	203.69
		For >50 To 75, Deduct	*-7.72*	
		For >75 To 100, Deduct	*-18.14*	
		For >100 To 200, Deduct	*-30.49*	
		For >200, Deduct	*-45.54*	
		For Steep Roof, Over 7 To 12, Add	*59.24*	
07 31 13 00-0014	SQ	300 LB/SQ, 5" Exposure, Reflective Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Solaris)	376.26	193.99
		For >50 To 75, Deduct	*-8.00*	
		For >75 To 100, Deduct	*-18.40*	
		For >100 To 200, Deduct	*-30.81*	
		For >200, Deduct	*-45.62*	
		For Steep Roof, Over 7 To 12, Add	*56.42*	
07 31 13 00-0015	SQ	355 LB/SQ, 8" Exposure, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Centennial Slate)	440.67	213.83
		For >50 To 75, Deduct	*-9.85*	
		For >75 To 100, Deduct	*-22.10*	
		For >100 To 200, Deduct	*-36.81*	
		For >200, Deduct	*-53.92*	
		For Steep Roof, Over 7 To 12, Add	*62.22*	
07 31 13 00-0016	SQ	355 LB/SQ, 8" Exposure, Scalloped Cut, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Carriage House)	456.15	213.83
		For >50 To 75, Deduct	*-10.47*	
		For >75 To 100, Deduct	*-23.18*	
		For >100 To 200, Deduct	*-38.51*	
		For >200, Deduct	*-56.08*	
		For Steep Roof, Over 7 To 12, Add	*62.22*	
07 31 13 00-0017	SQ	480 LB/SQ, 4" Exposure, Sculpted Edge, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake TL)	506.80	235.80
		For >50 To 75, Deduct	*-11.70*	
		For >75 To 100, Deduct	*-25.83*	
		For >100 To 200, Deduct	*-42.89*	
		For >200, Deduct	*-62.38*	
		For Steep Roof, Over 7 To 12, Add	*68.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 13 00-0018	SQ	425 LB/SQ, 8" Exposure, Random Laminated Tabs, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed GrandManor)	499.25	224.52
		For >50 To 75, Deduct	*-11.80*	
		For >75 To 100, Deduct	*-25.76*	
		For >100 To 200, Deduct	*-42.67*	
		For >200, Deduct	*-61.73*	
		For Steep Roof, Over 7 To 12, Add	*65.32*	

07 31 13 00-0019 Accessories *(07 31 13)*

07 31 13 00-0020	LF	Hip And Ridge Roll Vent Note: Excludes shingles.	4.90	0.83
07 31 13 00-0021	LF	Three Tab Hip And Ridge Shingles	2.95	2.06
07 31 13 00-0022	LF	Architectural Hip And Ridge Shingles	3.56	2.28
07 31 13 00-0023	SQ	Demolish Additional Layers Of Shingles	75.19	

07 31 16 Metal Shingles *(07 31)*

07 31 16 00-0001 Aluminum Shingles *(07 31 16)*

07 31 16 00-0002	SQ	Aluminum Shingles, Mill Finish, 0.020" Thick	436.84	118.00
		For Colors, Anodized Finish, Add	*30.00*	
		For Bonderized Finish, Add	*47.00*	
		For 1" Factory Applied Polystyrene, Add	*37.00*	
07 31 16 00-0003	SQ	Aluminum Shingles, Mill Finish, 0.030" Thick	581.06	128.97
		For Colors, Anodized Finish, Add	*30.00*	
		For Bonderized Finish, Add	*47.00*	
		For 1" Factory Applied Polystyrene, Add	*37.00*	
07 31 16 00-0004	LF	Aluminum Shingles, Ridge Cap, 0.020" Thick	7.77	1.70
07 31 16 00-0005	LF	Aluminum Shingles, Ridge Cap, 0.030" Thick	8.09	1.70
07 31 16 00-0006	LF	Aluminum Shingles, Valley Section For Above, 0.020" Thick	5.32	1.70
07 31 16 00-0007	LF	Aluminum Shingles, Valley Section For Above, 0.030" Thick	5.97	1.70

07 31 16 00-0008 Galvanized Steel Shingles *(07 31 16)*

07 31 16 00-0009	SQ	24 Gauge Steel Shingles, Galvanized	330.26	105.53
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-4.77*	
		For >75 To 100, Deduct	*-13.62*	
		For >100 To 200, Deduct	*-23.66*	
		For >200, Deduct	*-32.51*	
		For Steep Roof, Over 7 To 12, Add	*67.56*	
07 31 16 00-0010	SQ	26 Gauge Steel Shingles, Galvanized	318.64	104.69
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-4.37*	
		For >75 To 100, Deduct	*-12.89*	
		For >100 To 200, Deduct	*-22.49*	
		For >200, Deduct	*-31.00*	
		For Steep Roof, Over 7 To 12, Add	*66.98*	
07 31 16 00-0011	SQ	24 Gauge Steel Shingles, Galvanized And Bonderized	502.17	104.69
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-11.71*	
		For >75 To 100, Deduct	*-25.73*	
		For >100 To 200, Deduct	*-42.68*	
		For >200, Deduct	*-56.70*	
		For Steep Roof, Over 7 To 12, Add	*66.98*	
07 31 16 00-0012	SQ	26 Gauge Steel Shingles, Galvanized And Bonderized	466.06	104.69
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-10.27*	
		For >75 To 100, Deduct	*-23.21*	
		For >100 To 200, Deduct	*-38.71*	
		For >200, Deduct	*-51.64*	
		For Steep Roof, Over 7 To 12, Add	*66.98*	
07 31 16 00-0013	LF	Ridge Or Valley	5.26	1.41
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-0.10*	
		For >75 To 100, Deduct	*-0.24*	
		For >100 To 200, Deduct	*-0.41*	
		For >200, Deduct	*-0.56*	
		For Steep Roof, Over 7 To 12, Add	*0.88*	

07 31 19 Mineral-Fiber Cement Shingles *(07 31)*

07 31 19 00-0001	SQ	Mineral Fiber Strip Shingles, 14" X 30", 325 LB/SQ	431.38	70.78
		For Steep Roof, Over 7 To 12, Add	*45.30*	
07 31 19 00-0002	SQ	Mineral Fiber, Shakes, 9.35" x 16", 500 LB/SQ	626.99	128.83
		For Steep Roof, Over 7 To 12, Add	*82.45*	
07 31 19 00-0003	SQ	Mineral Fiber, Hexagonal Shape, 16" X 16", per SQ	438.34	94.50
		For Steep Roof, Over 7 To 12, Add	*60.47*	
07 31 19 00-0004	SQ	Mineral Fiber, Square, 16" X 16", per SQ	411.38	94.50
		For Steep Roof, Over 7 To 12, Add	*60.47*	
07 31 19 00-0005	CLF	Mineral Fiber, Strip Shingles, Starters, 8" x 30", 255 LB Per 100 LF	331.85	94.50
07 31 19 00-0006	CLF	Mineral Fiber, Hip And Ridge Shingles, 4-3/4" x 14", 380 LB Per 100 LF	1,078.49	283.14
07 31 19 00-0007	CLF	Mineral Fiber, Hip And Ridge Shingles, 5-3/8" X 14", per 100 LF	1,125.67	283.14

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 26		**Slate Shingles** *(07 31)*		
		Note: Includes 30 LB felt and fasteners.		
07 31 26 00-0001	SQ	Slate Shingles, Buckingham, Virginia Black, 3/16" Thick	1,024.54	180.03
		For >50 To 75, Deduct	*-24.98*	
		For >75 To 100, Deduct	*-53.72*	
		For >100 To 200, Deduct	*-88.70*	
		For >200, Deduct	*-117.43*	
		For Graduated Shapes, Add	*93.68*	
		For Steep Roof, Over 7 To 12, Add	*128.01*	
07 31 26 00-0002	SQ	Slate Shingles, Buckingham, Virginia Black, 1/4" Thick	1,199.54	180.03
		For >50 To 75, Deduct	*-31.98*	
		For >75 To 100, Deduct	*-65.97*	
		For >100 To 200, Deduct	*-107.95*	
		For >200, Deduct	*-141.93*	
		For Graduated Shapes, Add	*119.93*	
		For Steep Roof, Over 7 To 12, Add	*128.01*	
07 31 26 00-0003	SQ	Slate Shingles, Penn Black Bangor	1,147.04	180.03
		For >50 To 75, Deduct	*-29.88*	
		For >75 To 100, Deduct	*-62.29*	
		For >100 To 200, Deduct	*-102.17*	
		For >200, Deduct	*-134.58*	
		For Graduated Shapes, Add	*112.05*	
		For Steep Roof, Over 7 To 12, Add	*128.01*	
07 31 26 00-0004	SQ	Slate Shingles, Vermont, Unfading Colors, Green	1,164.54	180.03
		For >50 To 75, Deduct	*-30.58*	
		For >75 To 100, Deduct	*-63.52*	
		For >100 To 200, Deduct	*-104.10*	
		For >200, Deduct	*-137.03*	
		For Graduated Shapes, Add	*114.68*	
		For Steep Roof, Over 7 To 12, Add	*128.01*	
07 31 26 00-0005	SQ	Slate Shingles, Vermont, Unfading Colors, Semi-Weathered, Green/Gray	1,234.54	180.03
		For >50 To 75, Deduct	*-33.38*	
		For >75 To 100, Deduct	*-68.42*	
		For >100 To 200, Deduct	*-111.80*	
		For >200, Deduct	*-146.83*	
		For Graduated Shapes, Add	*125.18*	
		For Steep Roof, Over 7 To 12, Add	*128.01*	
07 31 26 00-0006	SQ	Slate Shingles, Vermont, Unfading Color, Purple	1,147.04	180.03
		For >50 To 75, Deduct	*-29.88*	
		For >75 To 100, Deduct	*-62.29*	
		For >100 To 200, Deduct	*-102.17*	
		For >200, Deduct	*-134.58*	
		For Graduated Shapes, Add	*112.05*	
		For Steep Roof, Over 7 To 12, Add	*128.01*	
07 31 26 00-0007	SQ	Slate Shingles, Vermont, Unfading Color, Black Or Gray	1,094.54	180.03
		For >50 To 75, Deduct	*-27.78*	
		For >75 To 100, Deduct	*-58.62*	
		For >100 To 200, Deduct	*-96.40*	
		For >200, Deduct	*-127.23*	
		For Graduated Shapes, Add	*104.18*	
		For Steep Roof, Over 7 To 12, Add	*128.01*	
07 31 26 00-0008	SQ	Slate Shingles, Vermont, Unfading Color, Red	2,188.04	180.03
		For >50 To 75, Deduct	*-71.52*	
		For >75 To 100, Deduct	*-135.16*	
		For >100 To 200, Deduct	*-216.68*	
		For >200, Deduct	*-280.32*	
		For Graduated Shapes, Add	*268.20*	
		For Steep Roof, Over 7 To 12, Add	*128.01*	
07 31 26 00-0009	SQ	Slate Shingles, Vermont, Unfading Color, Variegated Purple	1,147.04	180.03
		For >50 To 75, Deduct	*-29.88*	
		For >75 To 100, Deduct	*-62.29*	
		For >100 To 200, Deduct	*-102.17*	
		For >200, Deduct	*-134.58*	
		For Graduated Shapes, Add	*112.05*	
		For Steep Roof, Over 7 To 12, Add	*128.01*	
07 31 29		**Wood Shingles And Shakes** *(07 31)*		
07 31 29 13		**Wood Shingles** *(07 31 29)*		
07 31 29 13-0001		#1 Grade, Red Cedar Shingles *(07 31 29 13)*		
07 31 29 13-0002		#1 Grade, Red Cedar Shingles Installed On Roofs *(07 31 29 13-0001)*		
07 31 29 13-0003	SQ	3-3/4" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	552.08	156.60
		For Steep Roof, Over 7 To 12, Add	*100.23*	
		For CCA Treated, Add	*35.83*	
07 31 29 13-0004	SQ	5" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	402.12	117.45
		For Steep Roof, Over 7 To 12, Add	*75.17*	
		For CCA Treated, Add	*25.08*	
07 31 29 13-0005	SQ	4-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	487.18	133.11
		For Steep Roof, Over 7 To 12, Add	*85.19*	
		For CCA Treated, Add	*33.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 29 13-0006	SQ	5-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	399.32	109.62
		For Steep Roof, Over 7 To 12, Add	*70.16*	
		For CCA Treated, Add	*27.01*	
07 31 29 13-0007	SQ	5-3/4" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	508.51	103.75
		For Steep Roof, Over 7 To 12, Add	*66.40*	
		For CCA Treated, Add	*45.15*	
07 31 29 13-0008	SQ	7-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	397.41	88.09
		For Steep Roof, Over 7 To 12, Add	*56.38*	
		For CCA Treated, Add	*33.18*	

07 31 29 13-0009 #1 Grade, Red Cedar Shingles Installed On Walls *(07 31 29 13-0001)*

07 31 29 13-0010	SQ	7" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	401.33	140.94
		For CCA Treated, Add	*17.92*	
07 31 29 13-0011	SQ	8" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	390.42	133.11
		For CCA Treated, Add	*18.63*	
07 31 29 13-0012	SQ	10-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	389.02	115.50
		For CCA Treated, Add	*23.70*	

07 31 29 13-0013 #2 Grade, Red Cedar Shingles *(07 31 29 13)*

07 31 29 13-0014 #2 Grade, Red Cedar Shingles Installed On Roofs *(07 31 29 13-0013)*

07 31 29 13-0015	SQ	3-1/2" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	521.80	164.43
		For Steep Roof, Over 7 To 12, Add	*105.24*	
		For CCA Treated, Add	*28.94*	
07 31 29 13-0016	SQ	4" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	466.37	148.77
		For Steep Roof, Over 7 To 12, Add	*95.22*	
		For CCA Treated, Add	*25.32*	
07 31 29 13-0017	SQ	4" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	492.70	148.77
		For Steep Roof, Over 7 To 12, Add	*95.22*	
		For CCA Treated, Add	*29.27*	
07 31 29 13-0018	SQ	4-1/2" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	439.83	133.11
		For Steep Roof, Over 7 To 12, Add	*85.19*	
		For CCA Treated, Add	*26.04*	
07 31 29 13-0019	SQ	5-3/4" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	417.51	103.75
		For Steep Roof, Over 7 To 12, Add	*66.40*	
		For CCA Treated, Add	*31.50*	
07 31 29 13-0020	SQ	6-1/2" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	343.66	90.05
		For Steep Roof, Over 7 To 12, Add	*57.63*	
		For CCA Treated, Add	*24.54*	

07 31 29 13-0021 #2 Grade, Red Cedar Shingles Installed On Walls *(07 31 29 13-0013)*

07 31 29 13-0022	SQ	6" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall	394.02	148.77
		For CCA Treated, Add	*14.47*	
07 31 29 13-0023	SQ	7" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall	379.47	140.94
		For CCA Treated, Add	*14.64*	
07 31 29 13-0024	SQ	9" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall	360.82	125.28
		For CCA Treated, Add	*16.54*	

07 31 29 16 Wood Shakes *(07 31 29)*

07 31 29 16-0001 #1 Grade, Red Cedar Shakes *(07 31 29 16)*

07 31 29 16-0002 #1 Grade, Red Cedar Shakes Installed On Roofs *(07 31 29 16-0001)*

07 31 29 16-0003	SQ	8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	408.84	127.24
		For Steep Roof, Over 7 To 12, Add	*81.44*	
		For CCA Treated, Add	*23.15*	
07 31 29 16-0004	SQ	8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	460.29	127.24
		For Steep Roof, Over 7 To 12, Add	*81.44*	
		For CCA Treated, Add	*30.87*	
07 31 29 16-0005	SQ	10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	419.74	103.75
		For Steep Roof, Over 7 To 12, Add	*66.40*	
		For CCA Treated, Add	*31.83*	
07 31 29 16-0006	SQ	10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	441.60	103.75
		For Steep Roof, Over 7 To 12, Add	*66.40*	
		For CCA Treated, Add	*35.11*	

07 31 29 16-0007 #1 Grade, Red Cedar Shakes Installed On Walls *(07 31 29 16-0001)*

07 31 29 16-0008	SQ	8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	428.41	137.03
		For CCA Treated, Add	*23.15*	
07 31 29 16-0009	SQ	8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	479.86	137.03
		For CCA Treated, Add	*30.87*	
07 31 29 16-0010	SQ	10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	447.14	117.45
		For CCA Treated, Add	*31.83*	
07 31 29 16-0011	SQ	10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	469.00	117.45
		For CCA Treated, Add	*35.11*	

07 31 29 17 Wood Hip And Ridge Cap *(07 31 29)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 29 17-0001		Wood Hip And Ridge Cap For Wood Shingles Or Shakes *(07 31 29 17)*		
07 31 29 17-0002	LF	Red Cedar Hip Or Ridge Cap For Wood Shingles Or Shakes	6.45	1.02
		For Steep Roof, Over 7 To 12, Add	*0.76*	
		For CCA Treated Ridge, Add	*0.61*	
07 31 33		**Composite Rubber Shingles** *(07 31)*		
07 31 33 00-0001	SQ	Class C Rectangular Edges Polymeric Rubber Slate Shingles, 7.0" Exposure Note: Gray or black.	737.78	158.13
		For Purple Or Green Color, Add	*67.45*	
		For Brown Or Red Color, Add	*172.84*	
		For Steep Roof, Over 7 To 12, Add	*101.19*	
		For >50 To 75, Deduct	*-10.54*	
		For >75 To 100, Deduct	*-28.98*	
		For >100 To 200, Deduct	*-47.43*	
		For >200, Deduct	*-73.78*	
		For 6.5" Exposure, Add	*51.19*	
		For 6.0" Exposure, Add	*102.38*	
07 31 33 00-0002	SQ	Class A Rectangular Edges Polymeric Rubber Slate Shingles, 7.0" Exposure Note: Fire resistant. Gray or black.	1,018.81	158.13
		For Purple, Green, Brown Or Red, Add	*105.39*	
		For Steep Roof, Over 7 To 12, Add	*101.19*	
		For >50 To 75, Deduct	*-17.56*	
		For >75 To 100, Deduct	*-43.03*	
		For >100 To 200, Deduct	*-68.51*	
		For >200, Deduct	*-101.88*	
		For 6.5" Exposure, Add	*71.27*	
		For 6.0" Exposure, Add	*142.53*	
07 31 33 00-0003	SQ	Class C Shaped Polymeric Rubber Slate Shingle, 7.0" Exposure Note: Beaver tail, chisel point or beveled edges. Gray or black.	853.49	158.13
		For Purple, Green, Brown Or Red, Add	*193.41*	
		For Steep Roof, Over 7 To 12, Add	*101.19*	
		For >50 To 75, Deduct	*-13.43*	
		For >75 To 100, Deduct	*-34.77*	
		For >100 To 200, Deduct	*-56.11*	
		For >200, Deduct	*-85.35*	
		For 6.5" Exposure, Add	*59.46*	
		For 6.0" Exposure, Add	*118.91*	
07 31 33 00-0004	SQ	Class A Shaped Polymeric Rubber Slate Shingle, 7.0" Exposure Note: Fire resistant. Beaver tail, chisel point or beveled edges. Gray or black.	1,076.67	158.13
		For Purple, Green, Brown Or Red, Add	*83.65*	
		For Steep Roof, Over 7 To 12, Add	*101.19*	
		For >50 To 75, Deduct	*-19.01*	
		For >75 To 100, Deduct	*-45.93*	
		For >100 To 200, Deduct	*-72.84*	
		For >200, Deduct	*-107.67*	
		For 6.5" Exposure, Add	*75.40*	
		For 6.0" Exposure, Add	*150.80*	
07 31 33 00-0005	LF	Hip Or Ridge Polymeric Rubber Slate Shingle. Note: Beveled or pointed edges, gray or black.	12.01	1.06
07 32		Roof Tiles *(07 30)*		
07 32 13		**Clay Roof Tiles** *(07 32)* Note: 8-1/4" x 11" exposure. Includes mortar, fasteners, felt underlayment and 90# cap sheet.		
07 32 13 00-0001	SQ	Lanai Or Classic Tile, 158 Piece Per SQ	908.32	170.74
		For >25 To 50, Deduct	*-34.01*	
		For >50 To 75, Deduct	*-65.22*	
		For >75 To 100, Deduct	*-90.76*	
		For >100 To 200, Deduct	*-110.63*	
		For >200, Deduct	*-124.84*	
		For 20 Year Warranty, Add	*39.68*	
07 32 13 00-0002	SQ	Americana (Most Colors) Tile Roofing, 158 Piece Per SQ	1,093.25	170.74
		For >25 To 50, Deduct	*-45.10*	
		For >50 To 75, Deduct	*-83.71*	
		For >75 To 100, Deduct	*-114.80*	
		For >100 To 200, Deduct	*-138.37*	
		For >200, Deduct	*-154.43*	
		For 20 Year Warranty, Add	*52.62*	
07 32 13 00-0003	SQ	Americana (Green, Gray Or Brown) Tile, 158 Piece Per SQ	1,093.25	170.74
		For >25 To 50, Deduct	*-45.10*	
		For >50 To 75, Deduct	*-83.71*	
		For >75 To 100, Deduct	*-114.80*	
		For >100 To 200, Deduct	*-138.37*	
		For >200, Deduct	*-154.43*	
		For 20 Year Warranty, Add	*52.62*	
07 32 13 00-0004	SQ	Americana (Blue) Tile, 158 Piece Per SQ	1,250.16	170.74
		For >25 To 50, Deduct	*-54.52*	
		For >50 To 75, Deduct	*-99.40*	
		For >75 To 100, Deduct	*-135.20*	
		For >100 To 200, Deduct	*-161.91*	
		For >200, Deduct	*-179.53*	
		For 20 Year Warranty, Add	*63.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 32 13 00-0005	SQ	French Tile Roofing, Red, 133 Piece Per SQ	1,083.73	208.76
		For >25 To 50, Deduct	*-39.97*	
		For >50 To 75, Deduct	*-77.06*	
		For >75 To 100, Deduct	*-107.48*	
		For >100 To 200, Deduct	*-131.25*	
		For >200, Deduct	*-148.35*	
		For 20 Year Warranty, Add	*46.64*	
07 32 13 00-0006	SQ	French Tile Roofing, Blue Or Green, 133 Piece Per SQ	1,359.76	208.76
		For >25 To 50, Deduct	*-56.54*	
		For >50 To 75, Deduct	*-104.66*	
		For >75 To 100, Deduct	*-143.37*	
		For >100 To 200, Deduct	*-172.65*	
		For >200, Deduct	*-192.51*	
		For 20 Year Warranty, Add	*65.96*	
07 32 13 00-0007	SQ	Norman Tile Roofing, 317 Piece Per SQ	1,735.11	281.63
		For >25 To 50, Deduct	*-70.32*	
		For >50 To 75, Deduct	*-131.28*	
		For >75 To 100, Deduct	*-180.52*	
		For >100 To 200, Deduct	*-218.04*	
		For >200, Deduct	*-243.83*	
		For 20 Year Warranty, Add	*82.04*	
07 32 13 00-0008	SQ	Williamsburg Tile Roofing, Aged Cedar, 158 Piece Per SQ	945.62	208.76
		For >25 To 50, Deduct	*-31.69*	
		For >50 To 75, Deduct	*-63.25*	
		For >75 To 100, Deduct	*-89.53*	
		For >100 To 200, Deduct	*-110.53*	
		For >200, Deduct	*-126.25*	
		For 20 Year Warranty, Add	*36.97*	
07 32 13 00-0009	SQ	Williamsburg Tile Roofing, Gray Or Green, 158 Piece Per SQ	1,169.23	208.76
		For >25 To 50, Deduct	*-45.10*	
		For >50 To 75, Deduct	*-85.61*	
		For >75 To 100, Deduct	*-118.60*	
		For >100 To 200, Deduct	*-144.07*	
		For >200, Deduct	*-162.03*	
		For 20 Year Warranty, Add	*52.62*	
07 32 13 00-0010	SQ	Spanish Tile Roofing, Red, 171 Piece Per SQ	812.20	156.30
		For >25 To 50, Deduct	*-29.97*	
		For >50 To 75, Deduct	*-57.77*	
		For >75 To 100, Deduct	*-80.57*	
		For >100 To 200, Deduct	*-98.38*	
		For >200, Deduct	*-111.19*	
		For 20 Year Warranty, Add	*34.97*	
07 32 13 00-0011	SQ	Spanish Tile Roofing, Blend, 171 Piece Per SQ	1,053.17	156.30
		For >25 To 50, Deduct	*-44.43*	
		For >50 To 75, Deduct	*-81.87*	
		For >75 To 100, Deduct	*-111.90*	
		For >100 To 200, Deduct	*-134.53*	
		For >200, Deduct	*-149.75*	
		For 20 Year Warranty, Add	*51.84*	
07 32 13 00-0012	SQ	Spanish Tile Roofing, Glazed White, 171 Piece Per SQ	1,260.52	156.30
		For >25 To 50, Deduct	*-56.87*	
		For >50 To 75, Deduct	*-102.60*	
		For >75 To 100, Deduct	*-138.86*	
		For >100 To 200, Deduct	*-165.63*	
		For >200, Deduct	*-182.92*	
		For 20 Year Warranty, Add	*66.35*	
07 32 13 00-0013	SQ	Two Piece Mission Tile Roofing, 192 Piece Per SQ	1,521.96	245.02
		For >25 To 50, Deduct	*-61.92*	
		For >50 To 75, Deduct	*-115.44*	
		For >75 To 100, Deduct	*-158.65*	
		For >100 To 200, Deduct	*-191.54*	
		For >200, Deduct	*-214.11*	
		For 20 Year Warranty, Add	*72.24*	
07 32 13 00-0014	SQ	One Piece Mission Tile Roofing, 75 Piece Per SQ	667.34	170.74
		For >25 To 50, Deduct	*-19.55*	
		For >50 To 75, Deduct	*-41.12*	
		For >75 To 100, Deduct	*-59.43*	
		For >100 To 200, Deduct	*-74.49*	
		For >200, Deduct	*-86.28*	
		For 20 Year Warranty, Add	*22.81*	
07 32 13 00-0015	SQ	One Piece Mission Tile Roofing, 134 Piece Per SQ	891.51	245.02
		For >25 To 50, Deduct	*-24.09*	
		For >50 To 75, Deduct	*-52.40*	
		For >75 To 100, Deduct	*-76.69*	
		For >100 To 200, Deduct	*-96.97*	
		For >200, Deduct	*-113.24*	
		For 20 Year Warranty, Add	*28.10*	

07 32 16 Concrete Roof Tiles *(07 32)*

07 32 16 00-0001 Corrugated Tiles And Shakes Nailed To Wood *(07 32 16)*
Note: Includes 30 lb felt underlayment.

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 32 16 00-0002		SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Earthtone Colors, Corrugated	708.30	258.81
			For >50 To 75, Deduct	*-7.62*	
			For >75 To 100, Deduct	*-26.28*	
			For >100 To 200, Deduct	*-46.85*	
			For >200, Deduct	*-65.51*	
			For Steep Roof, Over 7 To 12, Add	*165.66*	
07 32 16 00-0003		SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Custom Blues, Corrugated	906.73	258.81
			For >50 To 75, Deduct	*-15.56*	
			For >75 To 100, Deduct	*-40.17*	
			For >100 To 200, Deduct	*-68.68*	
			For >200, Deduct	*-93.29*	
			For Steep Roof, Over 7 To 12, Add	*165.66*	
07 32 16 00-0004		SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Custom Greens Corrugated	747.98	258.81
			For >50 To 75, Deduct	*-9.21*	
			For >75 To 100, Deduct	*-29.06*	
			For >100 To 200, Deduct	*-51.22*	
			For >200, Deduct	*-71.07*	
			For Steep Roof, Over 7 To 12, Add	*165.66*	
07 32 16 00-0005		SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Colors, Shakes	703.41	231.57
			For >50 To 75, Deduct	*-9.61*	
			For >75 To 100, Deduct	*-28.39*	
			For >100 To 200, Deduct	*-49.58*	
			For >200, Deduct	*-68.37*	
			For Steep Roof, Over 7 To 12, Add	*148.23*	

07 32 16 00-0006 Accessories *(07 32 16)*

07 32 16 00-0007		EA	Ridge And Hip, 10" X 16-1/2", 8 LB Each For Concrete Tile Roof	3.35	
07 32 16 00-0008		EA	Rake, 6-1/2" X 16-3/4", 9 LB Each For Concrete Tile Roof	2.20	
07 32 16 00-0009		EA	Mansard Hip, 10" X 16-1/2", 9.2 LB Each For Concrete Tile Roof	3.33	
07 32 16 00-0010		EA	Hip Starter, 10" X 16-1/2", 10.5 LB Each For Concrete Tile Roof	3.81	
07 32 16 00-0011		EA	3 Or 4 Way Apex, 10" Each Side, 11.5 LB Each For Concrete Tile Roof	3.97	

07 34 Roofing Underlayment *(07 30)*

07 34 00 00-0001 Mechanically Fastened, Roofing Underlayment *(07 34)*

Note: Standard slope.

07 34 00 00-0002		SQ	15 LB, Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened	19.13	5.09
			For Steep Roof, Over 7 To 12, Add	*3.26*	
			For >50 To 75, Deduct	*-0.36*	
			For >75 To 100, Deduct	*-0.88*	
			For >100 To 200, Deduct	*-1.49*	
			For >200, Deduct	*-2.27*	
07 34 00 00-0003		SQ	30 LB, Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened	28.94	7.01
			For Steep Roof, Over 7 To 12, Add	*4.48*	
			For >50 To 75, Deduct	*-0.60*	
			For >75 To 100, Deduct	*-1.40*	
			For >100 To 200, Deduct	*-2.34*	
			For >200, Deduct	*-3.49*	
07 34 00 00-0004		SQ	30 LB, Asphalt Saturated Organic Felt Shake Underlayment, Mechanically Fastened	31.75	7.01
			For Steep Roof, Over 7 To 12, Add	*4.48*	
			For >50 To 75, Deduct	*-0.71*	
			For >75 To 100, Deduct	*-1.59*	
			For >100 To 200, Deduct	*-2.65*	
			For >200, Deduct	*-3.88*	
07 34 00 00-0005		SQ	Fire Rated, Polypropylene Roofing Underlayment, Mechanically Fastened (Rex™ Synfelt)	37.18	10.62
			For Steep Roof, Over 7 To 12, Add	*6.80*	
			For >50 To 75, Deduct	*-0.64*	
			For >75 To 100, Deduct	*-1.65*	
			For >100 To 200, Deduct	*-2.82*	
			For >200, Deduct	*-4.36*	
07 34 00 00-0006		SQ	17 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 25)	40.51	10.62
			For Steep Roof, Over 7 To 12, Add	*6.80*	
			For >50 To 75, Deduct	*-0.77*	
			For >75 To 100, Deduct	*-1.88*	
			For >100 To 200, Deduct	*-3.18*	
			For >200, Deduct	*-4.82*	
07 34 00 00-0007		SQ	25 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 30)	46.00	10.62
			For Steep Roof, Over 7 To 12, Add	*6.80*	
			For >50 To 75, Deduct	*-0.99*	
			For >75 To 100, Deduct	*-2.26*	
			For >100 To 200, Deduct	*-3.79*	
			For >200, Deduct	*-5.59*	
07 34 00 00-0008		SQ	30 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 50)	43.26	10.62
			For Steep Roof, Over 7 To 12, Add	*6.80*	
			For >50 To 75, Deduct	*-0.88*	
			For >75 To 100, Deduct	*-2.07*	
			For >100 To 200, Deduct	*-3.48*	
			For >200, Deduct	*-5.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 34 00 00-0009		**Self-Adhering, Roofing Underlayment** *(07 34)* Note: Standard slope.		
07 34 00 00-0010	SQ	48 Mil, Fire Rated, Polymeric Asphalt Surfaced, Fiberglass Mat Reinforced, SBS Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® Mat)	71.29	12.88
		For Steep Roof, Over 7 To 12, Add	*8.24*	
		For >50 To 75, Deduct	*-1.82*	
		For >75 To 100, Deduct	*-3.83*	
		For >100 To 200, Deduct	*-6.30*	
		For >200, Deduct	*-8.95*	
07 34 00 00-0011	SQ	60 Mil, Fire Rated, Granule Surfaced, Rubberized Asphalt Adhesive, Roofing Underlayment, Self-Adhering (Grace Basik®)	103.10	12.88
		For Steep Roof, Over 7 To 12, Add	*8.24*	
		For >50 To 75, Deduct	*-3.09*	
		For >75 To 100, Deduct	*-6.06*	
		For >100 To 200, Deduct	*-9.80*	
		For >200, Deduct	*-13.40*	
07 34 00 00-0012	SQ	53 Mil, Fire Rated, Granule Surfaced, Fiberglass Mat Reinforced, SBS Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® G)	75.22	12.88
		For Steep Roof, Over 7 To 12, Add	*8.24*	
		For >50 To 75, Deduct	*-1.98*	
		For >75 To 100, Deduct	*-4.11*	
		For >100 To 200, Deduct	*-6.73*	
		For >200, Deduct	*-9.50*	
07 34 00 00-0013	SQ	65 Mil, Fire Rated, Polyester Non Woven Fabric Surfaced, Fiberglass Mat Reinforced, SBS Modified Roofing Underlayment, Self Adhering (Owens Corning® WeatherLock® Specialty Tile And Metal)	71.29	12.88
		For Steep Roof, Over 7 To 12, Add	*8.24*	
		For >50 To 75, Deduct	*-1.82*	
		For >75 To 100, Deduct	*-3.83*	
		For >100 To 200, Deduct	*-6.30*	
		For >200, Deduct	*-8.95*	
07 34 00 00-0014	SQ	45 Mil, Fire Rated, High Temperature, Synthetic Polymer Surfaced, Modified Rubberized Asphalt, Roofing Underlayment, Self-Adhering (TITANIUM™ PSU-30)	98.51	12.88
		For Steep Roof, Over 7 To 12, Add	*8.24*	
		For >50 To 75, Deduct	*-2.91*	
		For >75 To 100, Deduct	*-5.74*	
		For >100 To 200, Deduct	*-9.29*	
		For >200, Deduct	*-12.76*	
07 34 00 00-0015	SQ	25 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Select)	84.14	12.88
		For Steep Roof, Over 7 To 12, Add	*8.24*	
		For >50 To 75, Deduct	*-2.34*	
		For >75 To 100, Deduct	*-4.73*	
		For >100 To 200, Deduct	*-7.71*	
		For >200, Deduct	*-10.75*	
07 34 00 00-0016	SQ	40 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield®)	121.17	12.88
		For Steep Roof, Over 7 To 12, Add	*8.24*	
		For >50 To 75, Deduct	*-3.82*	
		For >75 To 100, Deduct	*-7.32*	
		For >100 To 200, Deduct	*-11.78*	
		For >200, Deduct	*-15.93*	
07 34 00 00-0017	SQ	40 Mil, Fire Rated, High Temperature, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield® HT)	137.39	12.88
		For Steep Roof, Over 7 To 12, Add	*8.24*	
		For >50 To 75, Deduct	*-4.47*	
		For >75 To 100, Deduct	*-8.46*	
		For >100 To 200, Deduct	*-13.57*	
		For >200, Deduct	*-18.20*	
07 34 00 00-0018	SQ	30 Mil, Fire Rated, High Temperature, Fire Rated, Embossed Surface, Butyl Rubber Based Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ultra)	198.26	12.88
		For Steep Roof, Over 7 To 12, Add	*8.24*	
		For >50 To 75, Deduct	*-6.90*	
		For >75 To 100, Deduct	*-12.72*	
		For >100 To 200, Deduct	*-20.26*	
		For >200, Deduct	*-26.73*	

07 40 Roofing And Siding Panels *(07)*

Note: Includes placement of materials on roof up to 2-1/2 stories. All new roof installations include flood testing.

07 41 Roof Panels *(07 40)*

Note: Includes standard fasteners, grommets, cleats for installation.

07 41 13 Metal Roof Panels *(07 41)*

07 41 13 00-0001 Exposed Fastener Metal Roofing *(07 41 13)*
Note: Includes 15 year warranty and all warranties are no dollar limit to include material and labor.

07 41 13 00-0002 Galvanized Exposed Fastener Metal Roofing *(07 41 13 00-0001)*

07 41 13 00-0003 Galvanized Steel Exposed Fastener Metal Roof Panels *(07 41 13 00-0002)*

07 41 13 00-0004	SF	18 Gauge Galvanized Exposed Fastener Metal Roof Panels	6.04	0.70
		For Fluoropolymer (Kynar) Coating, Add	*0.64*	
		For Steep Roof, Over 7 To 12, Add	*1.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0005	SF	20 Gauge Galvanized Exposed Fastener Metal Roof Panels	5.52	0.70
		For Fluoropolymer (Kynar) Coating, Add	*0.64*	
		For Steep Roof, Over 7 To 12, Add	*1.00*	
07 41 13 00-0006	SF	22 Gauge Galvanized Exposed Fastener Metal Roof Panels	5.16	0.70
		For Fluoropolymer (Kynar) Coating, Add	*0.64*	
		For Steep Roof, Over 7 To 12, Add	*1.00*	
07 41 13 00-0007	SF	24 Gauge Galvanized Exposed Fastener Metal Roof Panels	4.80	0.70
		For Fluoropolymer (Kynar) Coating, Add	*0.64*	
		For Steep Roof, Over 7 To 12, Add	*1.00*	
07 41 13 00-0008	SF	26 Gauge Galvanized Exposed Fastener Metal Roof Panels	4.51	0.70
		For Fluoropolymer (Kynar) Coating, Add	*0.64*	
		For Steep Roof, Over 7 To 12, Add	*1.00*	
07 41 13 00-0009	SF	29 Gauge Galvanized Exposed Fastener Metal Roof Panels	4.25	0.70
		For Fluoropolymer (Kynar) Coating, Add	*0.64*	
		For Steep Roof, Over 7 To 12, Add	*1.00*	
07 41 13 00-0010	SF	30 Gauge Galvanized Exposed Fastener Metal Roof Panels	4.15	0.70
		For Fluoropolymer (Kynar) Coating, Add	*0.64*	
		For Steep Roof, Over 7 To 12, Add	*1.00*	

07 41 13 00-0011 Galvanized Exposed Fastener Metal Roof Accessories *(07 41 13 00-0002)*

See CSI section 07 41 13 00-0038 for accessories.

07 41 13 00-0012	LF	Ridge Flashing For Galvanized Steel Exposed Fastener Roofing	29.29	3.11
		For Steep Roof, Over 7 To 12, Add	*3.95*	
		For Fluoropolymer (Kynar) Coating, Add	*1.69*	
07 41 13 00-0013	LF	Eave Flashing For Galvanized Steel Exposed Fastener Roofing	22.39	3.11
		For Steep Roof, Over 7 To 12, Add	*3.95*	
		For Fluoropolymer (Kynar) Coating, Add	*1.00*	
07 41 13 00-0014	LF	Valley Flashing For Galvanized Steel Exposed Fastener Roofing	35.95	3.11
		For Steep Roof, Over 7 To 12, Add	*3.95*	
		For Fluoropolymer (Kynar) Coating, Add	*2.36*	
07 41 13 00-0015	LF	Hip Flashing For Galvanized Steel Exposed Fastener Roofing	29.89	3.11
		For Steep Roof, Over 7 To 12, Add	*3.95*	
		For Fluoropolymer (Kynar) Coating, Add	*1.75*	

07 41 13 00-0016 Aluminum Exposed Fastener Metal Roofing *(07 41 13 00-0001)*

07 41 13 00-0017 Aluminum Exposed Fastener Metal Roof Panels *(07 41 13 00-0016)*

07 41 13 00-0018	SF	0.0155" Aluminum Exposed Fastener Metal Roof Panels	4.00	0.70
		For Fluoropolymer (Kynar) Coating, Add	*0.64*	
		For Steep Roof, Over 7 To 12, Add	*1.00*	
07 41 13 00-0019	SF	0.018" Aluminum Exposed Fastener Metal Roof Panels	4.14	0.70
		For Fluoropolymer (Kynar) Coating, Add	*0.64*	
		For Steep Roof, Over 7 To 12, Add	*1.00*	
07 41 13 00-0020	SF	0.024" Aluminum Exposed Fastener Metal Roof Panels	4.49	0.70
		For Fluoropolymer (Kynar) Coating, Add	*0.64*	
		For Steep Roof, Over 7 To 12, Add	*1.00*	
07 41 13 00-0021	SF	0.032" Aluminum Exposed Fastener Metal Roof Panels	4.95	0.70
		For Fluoropolymer (Kynar) Coating, Add	*0.64*	
		For Steep Roof, Over 7 To 12, Add	*1.00*	
07 41 13 00-0022	SF	0.040" Aluminum Exposed Fastener Metal Roof Panels	5.41	0.70
		For Fluoropolymer (Kynar) Coating, Add	*0.64*	
		For Steep Roof, Over 7 To 12, Add	*1.00*	
07 41 13 00-0023	SF	0.050" Aluminum Exposed Fastener Metal Roof Panels	5.98	0.70
		For Fluoropolymer (Kynar) Coating, Add	*0.64*	
		For Steep Roof, Over 7 To 12, Add	*1.00*	

07 41 13 00-0024 Aluminum Exposed Fastener Metal Roof Accessories *(07 41 13 00-0016)*

07 41 13 00-0025	LF	Ridge Flashing For Aluminum Exposed Fastener Metal Roofing	28.79	3.11
		For Steep Roof, Over 7 To 12, Add	*2.49*	
		For Fluoropolymer (Kynar) Coating, Add	*2.10*	
07 41 13 00-0026	LF	Eave Flashing For Aluminum Exposed Fastener Metal Roofing	20.17	3.11
		For Steep Roof, Over 7 To 12, Add	*2.49*	
		For Fluoropolymer (Kynar) Coating, Add	*1.24*	
07 41 13 00-0027	LF	Valley Flashing For Aluminum Exposed Fastener Metal Roofing	37.11	3.11
		For Steep Roof, Over 7 To 12, Add	*2.49*	
		For Fluoropolymer (Kynar) Coating, Add	*2.93*	
07 41 13 00-0028	LF	Hip Flashing For Aluminum Exposed Fastener Metal Roofing	29.55	3.11
		For Steep Roof, Over 7 To 12, Add	*2.49*	
		For Fluoropolymer (Kynar) Coating, Add	*2.18*	

07 41 13 00-0029 Standing Seam Roofs *(07 41 13)*

Note: Includes all profiles of vertical leg and batten style standing seam roofing. Includes all clips, neoprene closures, metal closures, battens, tape sealer, tube sealant, fasteners, vent material, panel starters and cleats. Based on Garland R-Mer Clad or R-Mer Seam architectural roofing, R-Mer Loc architectural/structural roofing, and R-Mer Span structural roofing. Architectural roofing requires a solid substrate and underlayment, requires a minimum 3:12 pitch, and includes a 20 year no dollar limit warranty. Architectural/structural roofing does not require a solid substrate or underlayment, requires a minimum 3:12 pitch, and includes a 25 year no dollar limit warranty. Structural roofing does not require a solid substrate or underlayment, requires a minimum 1/4" per foot slope, and includes a 25 year no dollar limit warranty.

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0030		Galvanized Steel Standing Seam Concealed Fastener Roofing *(07 41 13 00-0029)*		
		Note: All steel is galvanized G90 rated or galvalume. Factory paint finish is Kynar 500, Hylar 5000 or equal PVCF finish.		
07 41 13 00-0031		Galvanized Steel Standing Seam Concealed Fastener Roofing *(07 41 13 00-0030)*		
07 41 13 00-0032	SF	Architectural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	11.83	1.64
		For Steep Roof, Over 6 To 12, Add	*1.23*	
		For Panels <16" Wide, Add	*1.35*	
		For 140 MPH Wind Load, Add	*0.57*	
		For Up To 1,500, Add	*2.96*	
		For >1,500 To 5,000, Add	*1.77*	
		For >5,000 To 10,000, Add	*0.30*	
07 41 13 00-0033	SF	Architectural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	12.56	1.64
		For Steep Roof, Over 6 To 12, Add	*1.23*	
		For Panels <16" Wide, Add	*1.39*	
		For 140 MPH Wind Load, Add	*0.58*	
		For Up To 1,500, Add	*3.14*	
		For >1,500 To 5,000, Add	*1.88*	
		For >5,000 To 10,000, Add	*0.31*	
07 41 13 00-0034	SF	Architectural/Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	11.19	1.64
		For Steep Roof, Over 6 To 12, Add	*1.23*	
		For Panels <16" Wide, Add	*1.32*	
		For 140 MPH Wind Load, Add	*0.55*	
		For Up To 1,500, Add	*2.80*	
		For >1,500 To 5,000, Add	*1.68*	
		For >5,000 To 10,000, Add	*0.28*	
07 41 13 00-0035	SF	Architectural/Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	11.44	1.64
		For Steep Roof, Over 6 To 12, Add	*1.23*	
		For Panels <16" Wide, Add	*1.33*	
		For 140 MPH Wind Load, Add	*0.56*	
		For Up To 1,500, Add	*2.86*	
		For >1,500 To 5,000, Add	*1.72*	
		For >5,000 To 10,000, Add	*0.29*	
07 41 13 00-0036	SF	Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	11.73	1.64
		For Steep Roof, Over 6 To 12, Add	*1.23*	
		For Panels <16" Wide, Add	*1.35*	
		For 140 MPH Wind Load, Add	*0.56*	
		For Up To 1,500, Add	*2.93*	
		For >1,500 To 5,000, Add	*1.76*	
		For >5,000 To 10,000, Add	*0.29*	
07 41 13 00-0037	SF	Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	12.79	1.64
		For Steep Roof, Over 6 To 12, Add	*1.23*	
		For Panels <16" Wide, Add	*1.40*	
		For 140 MPH Wind Load, Add	*0.58*	
		For Up To 1,500, Add	*3.20*	
		For >1,500 To 5,000, Add	*1.92*	
		For >5,000 To 10,000, Add	*0.32*	
07 41 13 00-0038		Accessories For Galvanized Steel Standing Seam Roofing *(07 41 13 00-0030)*		
07 41 13 00-0039	LF	Ridge Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	30.98	4.94
		For Steep Roof, Over 6 To 12, Add	*3.71*	
		For 140 MPH Wind Load, Add	*1.61*	
07 41 13 00-0040	LF	Eave Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	23.40	4.94
		For Steep Roof, Over 6 To 12, Add	*3.71*	
		For 140 MPH Wind Load, Add	*1.46*	
07 41 13 00-0041	LF	Valley Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	38.30	4.94
		For Steep Roof, Over 6 To 12, Add	*3.71*	
		For 140 MPH Wind Load, Add	*1.75*	
07 41 13 00-0042	LF	Hip Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	31.65	4.94
		For Steep Roof, Over 6 To 12, Add	*3.71*	
		For 140 MPH Wind Load, Add	*1.62*	
07 41 13 00-0043		Aluminum Standing Seam Concealed Fastener Roofing *(07 41 13 00-0029)*		
		Note: Factory paint finish is Kynar 500, Hylar 5000 or equal PVCF finish.		
07 41 13 00-0044		Aluminum Standing Seam Concealed Fastener Roofing *(07 41 13 00-0043)*		
07 41 13 00-0045	SF	Architectural 0.032" Aluminum Standing Seam Concealed Fastener Roofing	12.34	1.64
		For Steep Roof, Over 6 To 12, Add	*1.23*	
		For Panels <16" Wide, Add	*1.38*	
		For 140 MPH Wind Load, Add	*0.58*	
		For Up To 1,500, Add	*3.09*	
		For >1,500 To 5,000, Add	*1.85*	
		For >5,000 To 10,000, Add	*0.31*	
07 41 13 00-0046	SF	Architectural 0.040" Aluminum Standing Seam Concealed Fastener Roofing	12.96	1.64
		For Steep Roof, Over 6 To 12, Add	*1.23*	
		For Panels <16" Wide, Add	*1.41*	
		For 140 MPH Wind Load, Add	*0.59*	
		For Up To 1,500, Add	*3.24*	
		For >1,500 To 5,000, Add	*1.94*	
		For >5,000 To 10,000, Add	*0.32*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0047		SF	Architectural/Structural Or Structural 0.032" Aluminum Standing Seam Concealed Fastener Roofing	11.99	1.64
			For Steep Roof, Over 6 To 12, Add	*1.23*	
			For Panels <16" Wide, Add	*1.36*	
			For 140 MPH Wind Load, Add	*0.57*	
			For Up To 1,500, Add	*3.00*	
			For >1,500 To 5,000, Add	*1.80*	
			For >5,000 To 10,000, Add	*0.30*	
07 41 13 00-0048		SF	Architectural/Structural Or Structural 0.040" Aluminum Standing Seam Concealed Fastener Roofing	13.12	1.64
			For Steep Roof, Over 6 To 12, Add	*1.23*	
			For Panels <16" Wide, Add	*1.42*	
			For 140 MPH Wind Load, Add	*0.59*	
			For Up To 1,500, Add	*3.28*	
			For >1,500 To 5,000, Add	*1.97*	
			For >5,000 To 10,000, Add	*0.33*	
07 41 13 00-0049			Accessories For Aluminum Standing Seam Roofing *(07 41 13 00-0043)*		
07 41 13 00-0050		LF	Ridge Flashing For Aluminum Standing Seam Concealed Fastener Roofing	35.47	4.94
			For Steep Roof, Over 6 To 12, Add	*3.71*	
			For 140 MPH Wind Load, Add	*1.70*	
07 41 13 00-0051		LF	Eave Flashing For Aluminum Standing Seam Concealed Fastener Roofing	25.99	4.94
			For Steep Roof, Over 6 To 12, Add	*3.71*	
			For 140 MPH Wind Load, Add	*1.51*	
07 41 13 00-0052		LF	Valley Flashing For Aluminum Standing Seam Concealed Fastener Roofing	44.62	4.94
			For Steep Roof, Over 6 To 12, Add	*3.71*	
			For 140 MPH Wind Load, Add	*1.88*	
07 41 13 00-0053		LF	Hip Flashing For Aluminum Standing Seam Concealed Fastener Roofing	36.31	4.94
			For Steep Roof, Over 6 To 12, Add	*3.71*	
			For 140 MPH Wind Load, Add	*1.71*	
07 41 13 00-0054			Copper Standing Seam Concealed Fastener Roofing *(07 41 13 00-0029)*		
07 41 13 00-0055			Copper Standing Seam Concealed Fastener Roofing *(07 41 13 00-0054)*		
07 41 13 00-0056		SF	Architectural 16 Ounce Copper Standing Seam Concealed Fastener Roofing	31.34	2.47
			For Steep Roof, Over 6 To 12, Add	*1.85*	
			For Panels <16" Wide, Add	*2.71*	
			For 140 MPH Wind Load, Add	*1.12*	
			For Up To 1,500, Add	*7.84*	
			For >1,500 To 5,000, Add	*4.70*	
			For >5,000 To 10,000, Add	*0.78*	
07 41 13 00-0057		SF	Architectural 20 Ounce Copper Standing Seam Concealed Fastener Roofing	37.63	2.47
			For Steep Roof, Over 6 To 12, Add	*1.85*	
			For Panels <16" Wide, Add	*3.02*	
			For 140 MPH Wind Load, Add	*1.25*	
			For Up To 1,500, Add	*9.41*	
			For >1,500 To 5,000, Add	*5.64*	
			For >5,000 To 10,000, Add	*0.94*	
07 41 13 00-0058			Accessories For Copper Standing Seam Concealed Fastener Roofing *(07 41 13 00-0054)*		
07 41 13 00-0059		LF	Ridge Flashing For Copper Standing Seam Concealed Fastener Roofing	93.95	4.94
			For Steep Roof, Over 6 To 12, Add	*3.71*	
			For 140 MPH Wind Load, Add	*2.87*	
07 41 13 00-0060		LF	Eave Flashing For Copper Standing Seam Concealed Fastener Roofing	54.43	4.94
			For Steep Roof, Over 6 To 12, Add	*3.71*	
			For 140 MPH Wind Load, Add	*2.08*	
07 41 13 00-0061		LF	Valley Flashing For Copper Standing Seam Concealed Fastener Roofing	131.32	4.94
			For Steep Roof, Over 6 To 12, Add	*3.71*	
			For 140 MPH Wind Load, Add	*3.61*	
07 41 13 00-0062		LF	Hip Flashing For Copper Standing Seam Concealed Fastener Roofing	96.90	4.94
			For Steep Roof, Over 6 To 12, Add	*3.71*	
			For 140 MPH Wind Load, Add	*2.93*	
07 41 13 00-0063			Stainless Steel Standing Seam Concealed Fastener Roofing *(07 41 13 00-0029)*		
07 41 13 00-0064			Stainless Steel Standing Seam Concealed Fastener Roofing *(07 41 13 00-0063)*		
07 41 13 00-0065		SF	Architectural 24 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing	23.93	2.47
			For Steep Roof, Over 6 To 12, Add	*1.85*	
			For Panels <16" Wide, Add	*2.34*	
			For 140 MPH Wind Load, Add	*0.97*	
			For Up To 1,500, Add	*5.98*	
			For >1,500 To 5,000, Add	*3.59*	
			For >5,000 To 10,000, Add	*0.60*	
07 41 13 00-0066		SF	Architectural 22 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing	27.71	2.47
			For Steep Roof, Over 6 To 12, Add	*1.85*	
			For Panels <16" Wide, Add	*2.53*	
			For 140 MPH Wind Load, Add	*1.05*	
			For Up To 1,500, Add	*6.93*	
			For >1,500 To 5,000, Add	*4.16*	
			For >5,000 To 10,000, Add	*0.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0067	SF	Architectural 24 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing	32.19	2.47
		For Steep Roof, Over 6 To 12, Add	*1.85*	
		For Panels <16" Wide, Add	*2.75*	
		For 140 MPH Wind Load, Add	*1.14*	
		For Up To 1,500, Add	*8.05*	
		For >1,500 To 5,000, Add	*4.83*	
		For >5,000 To 10,000, Add	*0.80*	
07 41 13 00-0068	SF	Architectural 22 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing	37.93	2.47
		For Steep Roof, Over 6 To 12, Add	*1.85*	
		For Panels <16" Wide, Add	*3.04*	
		For 140 MPH Wind Load, Add	*1.25*	
		For Up To 1,500, Add	*9.48*	
		For >1,500 To 5,000, Add	*5.69*	
		For >5,000 To 10,000, Add	*0.95*	
07 41 13 00-0069		Accessories For Stainless Steel Standing Seam Concealed Fastener Roofing *(07 41 13 00-0063)*		
07 41 13 00-0070	LF	Ridge Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	83.27	4.94
		For Steep Roof, Over 6 To 12, Add	*4.17*	
		For 140 MPH Wind Load, Add	*2.78*	
07 41 13 00-0071	LF	Eave Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	49.68	4.94
		For Steep Roof, Over 6 To 12, Add	*4.17*	
		For 140 MPH Wind Load, Add	*2.11*	
07 41 13 00-0072	LF	Valley Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	115.03	4.94
		For Steep Roof, Over 6 To 12, Add	*4.17*	
		For 140 MPH Wind Load, Add	*3.41*	
07 41 13 00-0073	LF	Hip Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	85.78	4.94
		For Steep Roof, Over 6 To 12, Add	*4.17*	
		For 140 MPH Wind Load, Add	*2.83*	
07 41 13 00-0074		Metal Roof Surfacing *(07 41 13)*		
07 41 13 00-0075	SF	Acrylic, Metal Roof Primer, One Coat	0.29	
		For Steep Roof, Over 7 To 12, Add	*0.05*	
07 41 13 00-0076	SF	Acrylic Elastomeric, Surface Or Base Coating For Metal Roofing, One Coat	0.41	
		Note: 55% solids by volume.		
		For Steep Roof, Over 7 To 12, Add	*0.05*	
07 41 33		**Plastic Roof Panels** *(07 41)*		
07 41 33 00-0001		Polyvinyl Chloride (PVC) Roofing Panels *(07 41 33)*		
07 41 33 00-0002		Polyvinyl Chloride (PVC) Roofing Panels *(07 41 33 00-0001)*		
07 41 33 00-0003	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, 8" Wide	3.78	1.42
07 41 33 00-0004	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, 10" Wide	3.56	1.28
07 41 33 00-0005	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 8" Wide	3.88	1.42
07 41 33 00-0006	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 10" Wide	3.64	1.28
07 41 33 00-0007		Polyvinyl Chloride (PVC) Roofing Accessories *(07 41 33 00-0001)*		
07 41 33 00-0008	LF	1" "J" Channel, Starter Strip Trim	2.40	1.06
07 41 33 00-0009	LF	3-1/2" "J" Channel, Starter Strip Trim	3.19	1.06
07 41 33 00-0010	LF	Outside Corner Post, 7/8" Pocket	3.42	1.06
07 41 33 00-0011	LF	Inside Corner Post, 7/8" Pocket	2.81	1.06
07 41 33 00-0012		Fiberglass Roofing Panel *(07 41 33)*		
07 41 33 00-0013		Corrugated Panels *(07 41 33 00-0012)*		
07 41 33 00-0014	SF	8 Ounce Corrugated Fiberglass Panel	3.99	1.14
07 41 33 00-0015	SF	12 Ounce Corrugated Fiberglass Panel	4.55	1.14
07 42		Wall Panels *(07 40)*		
07 42 13		**Metal Wall Panels** *(07 42)*		
07 42 13 19		**Insulated Metal Wall Panels** *(07 42 13)*		
07 42 13 19-0001		Insulated Panels For Sash/Window Replacement *(07 42 13 19)*		
		Note: Porcelain or polymer finish on aluminum panel with polystyrene core.		
07 42 13 19-0002	SF	1" Insulated Panel For Sash Or Window Replacement	14.23	3.13
		For Non-Insulated Panels, Deduct	*-1.98*	
07 42 13 19-0003	SF	1-1/4" Insulated Panel For Sash Or Window Replacement	15.45	3.52
		For Non-Insulated Panels, Deduct	*-2.12*	
07 42 13 19-0004	SF	1-3/4" Insulated Panel For Sash Or Window Replacement	16.54	3.91
		For Non-Insulated Panels, Deduct	*-2.25*	
07 42 13 19-0005	SF	2-1/4" Insulated Panel For Sash Or Window Replacement	17.70	4.08
		For Non-Insulated Panels, Deduct	*-2.39*	
07 42 13 19-0006	SF	3-1/4" Insulated Panel For Sash Or Window Replacement	20.00	4.46
		For Non-Insulated Panels, Deduct	*-2.78*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 42 13 19-0007	SF	4-1/4" Insulated Panel For Sash Or Window Replacement	23.11	4.93
		For Non-Insulated Panels, Deduct	*-3.33*	

07 42 13 23 Metal Composite Material Wall Panels *(07 42 13)*

07 42 13 23-0001 24 Gauge, Galvanized Steel Insulated Tongue And Groove Metal Siding Panels *(07 42 13 23)*

Note: G-90 galvanized steel, 24 gauge exterior face and 24 gauge interior liner. Galvalume AZ-55 coating designation with texture. Non-CFC polyurethane foam core. Standard color on exterior and interior panels. CF Mesa Profile wall panels as manufactured by Metl-Span Corporation.

07 42 13 23-0002	SF	2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels	13.11	1.79
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
07 42 13 23-0003	SF	2-1/2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels	14.79	2.02
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
07 42 13 23-0004	SF	3" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels	16.23	2.29
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
07 42 13 23-0005	SF	4" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels	18.24	3.03
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	

07 42 63 Fabricated Wall Panel Assemblies *(07 42)*

07 42 63 00-0001 Insulated Freezer And Chiller Panels *(07 42 63)*

Note: Excludes suspension system for ceiling support.

07 42 63 00-0002 Polyurethane Sandwich Panel *(07 42 63 00-0001)*

Note: With 22 gauge galvanized sheet metal face excludes painting.

07 42 63 00-0003	SF	2" 22 Gauge Freezer Panel Sheet Metal Both Faces	13.43	1.27
07 42 63 00-0004	SF	3" 22 Gauge Freezer Panel Sheet Metal Both Faces	14.21	1.27
07 42 63 00-0005	SF	4" 22 Gauge Freezer Panel Sheet Metal Both Faces	16.87	1.27
07 42 63 00-0006	SF	5" 22 Gauge Freezer Panel Sheet Metal Both Faces	18.26	1.35
07 42 63 00-0007	SF	6" 22 Gauge Freezer Panel Sheet Metal Both Faces	19.38	1.35
07 42 63 00-0008	SF	2" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	12.03	1.05
07 42 63 00-0009	SF	3" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	13.07	1.05
07 42 63 00-0010	SF	4" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	15.72	1.12
07 42 63 00-0011	SF	5" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	15.25	1.12
07 42 63 00-0012	SF	6" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	17.93	1.12

07 42 63 00-0013 Polyurethane Sandwich Panel *(07 42 63 00-0001)*

Note: With .040 aluminum baked enamel finish.

07 42 63 00-0014	SF	2" Freezer Panel 0.040" Aluminum Finish Both Faces	9.41	1.27
07 42 63 00-0015	SF	3" Freezer Panel 0.040" Aluminum Finish Both Faces	10.03	1.27
07 42 63 00-0016	SF	4" Freezer Panel 0.040" Aluminum Finish Both Faces	11.66	1.27
07 42 63 00-0017	SF	5" Freezer Panel 0.040" Aluminum Finish Both Faces	12.68	1.35
07 42 63 00-0018	SF	6" Freezer Panel 0.040" Aluminum Finish Both Faces	13.39	1.35
07 42 63 00-0019	SF	2" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	8.42	1.05
07 42 63 00-0020	SF	3" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	9.05	1.05
07 42 63 00-0021	SF	4" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	9.72	1.12
07 42 63 00-0022	SF	5" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	11.34	1.12
07 42 63 00-0023	SF	6" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	12.35	1.12

07 46 Siding *(07 40)*

07 46 16 Aluminum Siding *(07 46)*

Note: Includes all necessary furring strips, trim for corners, windows and doors.

07 46 16 00-0001 Aluminum Coil Stock Cladding *(07 46 16)*

Note: Per SF of board, includes overlappage.

07 46 16 00-0002	SF	Aluminum Cladding, 0.016" Thick	6.79	2.68
07 46 16 00-0003	SF	Aluminum Cladding, 0.019" Thick	6.83	2.68
07 46 16 00-0004	SF	Aluminum Cladding, 0.024" Thick	6.90	2.68

07 46 16 00-0005 Aluminum Siding Panels For Structural Steel Framing *(07 46 16)*

Note: Includes fasteners.

07 46 16 00-0006 Corrugated *(07 46 16 00-0005)*

07 46 16 00-0007	SF	0.019" Corrugated Aluminum Siding Panel, Mill Finish, Including Fasteners	3.96	1.55
07 46 16 00-0008	SF	0.021" Corrugated Aluminum Siding Panel, Mill Finish, Including Fasteners	4.08	1.55
07 46 16 00-0009	SF	0.024" Corrugated Aluminum Siding Panel, Mill Finish, Including Fasteners	4.36	1.55
07 46 16 00-0010	SF	0.032" Corrugated Aluminum Siding Panel, Mill Finish, Including Fasteners	4.84	1.55
07 46 16 00-0011	SF	0.019" Corrugated Aluminum Siding Panel, Painted Finish, Including Fasteners	4.19	1.55
07 46 16 00-0012	SF	0.021" Corrugated Aluminum Siding Panel, Painted Finish, Including Fasteners	4.30	1.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 16 00-0013	SF	0.024" Corrugated Aluminum Siding Panel, Painted Finish, Including Fasteners	4.62	1.55
07 46 16 00-0014	SF	0.032" Corrugated Aluminum Siding Panel, Painted Finish, Including Fasteners	5.25	1.55
07 46 16 00-0015		V- Beam *(07 46 16 00-0005)*		
07 46 16 00-0016	SF	0.032" Aluminum V-Beam Siding Panel, Mill Finish, Including Fasteners	4.86	1.55
07 46 16 00-0017	SF	0.040" Aluminum V-Beam Siding Panel, Mill Finish, Including Fasteners	5.11	1.55
07 46 16 00-0018	SF	0.050" Aluminum V-Beam Siding Panel, Mill Finish, Including Fasteners	5.43	1.55
07 46 16 00-0019	SF	0.032" Aluminum V-Beam Siding Panel, Painted Finish, Including Fasteners	5.22	1.55
07 46 16 00-0020	SF	0.040" Aluminum V-Beam Siding Panel, Painted Finish, Including Fasteners	5.65	1.55
07 46 16 00-0021	SF	0.050" Aluminum V-Beam Siding Panel, Painted Finish, Including Fasteners	6.65	1.55
07 46 16 00-0022		Rib *(07 46 16 00-0005)*		
07 46 16 00-0023	SF	0.032" Aluminum Siding Panel With 4" Rib, Mill Finish, Including Fasteners	5.18	1.55
07 46 16 00-0024	SF	0.040" Aluminum Siding Panel With 4" Rib, Mill Finish, Including Fasteners	5.43	1.55
07 46 16 00-0025	SF	0.050" Aluminum Siding Panel With 4" Rib, Mill Finish, Including Fasteners	5.76	1.55
07 46 16 00-0026	SF	0.032" Aluminum Siding Panel With 4" Rib, Painted Finish, Including Fasteners	5.41	1.55
07 46 16 00-0027	SF	0.040" Aluminum Siding Panel With 4" Rib, Painted Finish, Including Fasteners	5.82	1.55
07 46 16 00-0028	SF	0.050" Aluminum Siding Panel With 4" Rib, Painted Finish, Including Fasteners	6.07	1.55
07 46 16 00-0029		Aluminum Soffit And Fascia *(07 46 16)*		
		Note: Excludes J-channel.		
07 46 16 00-0030	LF	6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	2.95	1.10
		For 0.015" Thick, Deduct	*-0.05*	
07 46 16 00-0031	LF	10" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	3.57	1.16
		For 0.015" Thick, Deduct	*-0.09*	
07 46 16 00-0032	LF	1' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	3.87	1.19
		For 0.015" Thick, Deduct	*-0.11*	
07 46 16 00-0033	LF	1'-6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	4.75	1.25
		For 0.015" Thick, Deduct	*-0.16*	
07 46 16 00-0034	LF	2' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	5.75	1.37
		For 0.015" Thick, Deduct	*-0.20*	
07 46 16 00-0035	LF	3' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	7.52	1.51
		For 0.015" Thick, Deduct	*-0.31*	
07 46 16 00-0036	LF	4' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	9.33	1.66
		For 0.015" Thick, Deduct	*-0.42*	
07 46 16 00-0037	LF	5' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	11.16	1.83
		For 0.015" Thick, Deduct	*-0.53*	
07 46 16 00-0038	LF	4" Exposure, 0.024" Thick, Aluminum Fascia	3.38	1.08
07 46 16 00-0039	LF	6" Exposure, 0.024" Thick, Aluminum Fascia	3.66	1.10
07 46 16 00-0040	LF	8" Exposure, 0.024" Thick, Aluminum Fascia	4.23	1.13
07 46 16 00-0041	LF	10" Exposure, 0.024" Thick, Aluminum Fascia	4.85	1.16
07 46 16 00-0042		Aluminum Siding Accessories *(07 46 16)*		
07 46 16 00-0043	LF	3/8" Pocket, Aluminum J-Channel	2.34	1.03
07 46 16 00-0044	LF	1/2" Pocket, Aluminum J-Channel	2.34	1.03
07 46 16 00-0045	LF	3/4" Pocket, Aluminum J-Channel	2.68	1.03
07 46 16 00-0046	LF	3/8" Pocket, Aluminum F-Channel	2.43	1.03
07 46 16 00-0047	LF	1/2" Pocket, Aluminum F-Channel	2.43	1.03
07 46 19		**Steel Siding** *(07 46)*		
		Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.		
07 46 19 00-0001		Steel Siding Panels For Structural Steel Framing *(07 46 19)*		
		Note: Included fasteners.		
07 46 19 00-0002		Corrugated, Painted *(07 46 19 00-0001)*		
		Note: Factory applied.		
07 46 19 00-0003	SF	20 Gauge Corrugated Steel Siding Panel, Including Fasteners And Painted	6.91	1.55
		For Galvanized Instead Of Painted Steel, Add	*0.95*	
07 46 19 00-0004	SF	22 Gauge Corrugated Steel Siding Panel, Including Fasteners And Painted	6.40	1.55
		For Galvanized Instead Of Painted Steel, Add	*0.82*	
07 46 19 00-0005	SF	24 Gauge Corrugated Steel Siding Panel, Including Fasteners And Painted	6.27	1.55
		For Galvanized Instead Of Painted Steel, Add	*0.79*	
07 46 19 00-0006	SF	26 Gauge Corrugated Steel Siding Panel, Including Fasteners And Painted	4.78	1.55
		For Galvanized Instead Of Painted Steel, Add	*0.42*	
07 46 19 00-0007	SF	28 Gauge Corrugated Steel Siding Panel, Including Fasteners And Painted	4.67	1.55
		For Galvanized Instead Of Painted Steel, Add	*0.39*	
07 46 19 00-0008	SF	30 Gauge Corrugated Steel Siding Panel, Including Fasteners And Painted	4.60	1.55
		For Galvanized Instead Of Painted Steel, Add	*0.37*	
07 46 19 00-0009		Box Rib, Painted *(07 46 19 00-0001)*		
		Note: Factory applied.		
07 46 19 00-0010	SF	20 Gauge Box Rib Steel Siding Panel, Painted With Fasteners	6.53	1.55
		For Galvanized Instead Of Painted Steel, Add	*0.86*	
07 46 19 00-0011	SF	22 Gauge Box Rib Steel Siding Panel, Painted With Fasteners	6.30	1.55
		For Galvanized Instead Of Painted Steel, Add	*0.80*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 19 00-0012	SF	24 Gauge Box Rib Steel Siding Panel, Painted With Fasteners	6.15	1.55
		For Galvanized Instead Of Painted Steel, Add	*0.76*	
07 46 19 00-0013	SF	26 Gauge Box Rib Steel Siding Panel, Painted With Fasteners	5.89	1.55
		For Galvanized Instead Of Painted Steel, Add	*0.70*	
07 46 19 00-0014	SF	28 Gauge Box Rib Steel Siding Panel, Painted With Fasteners	5.35	1.55
		For Galvanized Instead Of Painted Steel, Add	*0.56*	
07 46 19 00-0015		Steel Siding For Wood Frame *(07 46 19)*		
		Note: Horizontal clapboard, double 5" profiler, 1/2" deep butt, wood grain pattern. Includes fasteners, trim and all accessories.		
07 46 19 00-0016	SF	Horizontal Clapboard	5.08	0.78

07 46 23 Wood Siding *(07 46)*

Note: Includes all necessary furring strips, trim for corners, windows and doors.

07 46 23 00-0001 Wood Lap Siding *(07 46 23)*

07 46 23 00-0002	LF	8" Wide Rough Sawn Cedar Lap Siding	3.08	1.12
07 46 23 00-0003	LF	10" Wide Rough Sawn Cedar Lap Siding	3.52	1.20
07 46 23 00-0004	LF	12" Wide Rough Sawn Cedar Lap Siding	3.98	1.28
07 46 23 00-0005	LF	6" To 8" Wide Southern Yellow Pine Lap Siding, D Grade	3.32	1.12
07 46 23 00-0006	LF	6" To 8" Wide Spruce Lap Siding, #2 Or Better	3.74	1.12
07 46 23 00-0007	LF	6" To 8" Wide Western Red Cedar, B Grade Lap Siding	4.63	1.12
07 46 23 00-0008	LF	6" To 8" Wide Western Red Cedar, A Grade Lap Siding	4.98	1.12
07 46 23 00-0009	LF	6" To 8" Wide Clear Heart Redwood Lap Siding	4.48	1.12
07 46 23 00-0010	LF	1" x 8" Cedar Round Or Flat Front Siding, Log Cabin	3.01	1.20
07 46 23 00-0011	LF	1" x 8" Cedar Beveled Siding, Channel, Rustic	3.01	1.20

07 46 23 00-0012 Tongue And Groove Siding *(07 46 23)*

07 46 23 00-0013	SF	1" x 6" Tongue And Groove Southern Yellow Pine Siding	3.09	1.12
07 46 23 00-0014	SF	1" x 8" Tongue And Groove Southern Yellow Pine Siding	3.46	1.12
07 46 23 00-0015	SF	1" x 6" 105 Southern Yellow Pine Siding	3.17	1.12
07 46 23 00-0016	SF	1" x 8" 105 Southern Yellow Pine Siding	3.51	1.12

07 46 29 Plywood Siding *(07 46)*

Note: Includes all necessary furring strips, trim for corners, windows and doors.

07 46 29 00-0001 T-111 Siding *(07 46 29)*

07 46 29 00-0002	SF	5/8" T-111 Fir, Fine Grade Siding, Paint Ready Applied To Blackboard / Stud	2.63	0.55
		For Pressure Treated, Add	*0.18*	
07 46 29 00-0003	SF	5/8" T-111 Cedar, Fine Grade Siding, Paint Ready Applied To Blackboard / Stud	2.58	0.55
		For Pressure Treated, Add	*0.18*	

07 46 33 Plastic Siding *(07 46)*

Note: Includes all necessary furring strips, trim for corners, windows and doors.

07 46 33 00-0001 Vinyl Siding *(07 46 33)*

Note: Includes standard manufacturer's colors.

07 46 33 00-0002 Vinyl Siding Panels *(07 46 33 00-0001)*

Note: Excludes J-channels, starter strips and trim.

07 46 33 00-0003 Horizontal Vinyl Siding Panels *(07 46 33 00-0002)*

Note: Includes single, double or triple profiles. Includes traditional clapboard or dutch lap styles.

07 46 33 00-0004	SF	7" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	3.44	1.34
		For 0.040" Thick, Deduct	*-0.11*	
		For 0.042" Thick, Deduct	*0.07*	
		For 0.046" Thick, Add	*0.33*	
		For Manufacturer's Custom Colors, Add	*0.04*	
07 46 33 00-0005	SF	8" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	3.29	1.26
		For 0.040" Thick, Deduct	*-0.11*	
		For 0.042" Thick, Deduct	*0.07*	
		For 0.046" Thick, Add	*0.33*	
		For Manufacturer's Custom Colors, Add	*0.04*	
07 46 33 00-0006	SF	9" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	3.17	1.21
		For 0.040" Thick, Deduct	*-0.11*	
		For 0.042" Thick, Deduct	*0.07*	
		For 0.046" Thick, Add	*0.33*	
		For Manufacturer's Custom Colors, Add	*0.04*	
07 46 33 00-0007	SF	10" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	3.06	1.15
		For 0.040" Thick, Deduct	*-0.11*	
		For 0.042" Thick, Deduct	*0.07*	
		For 0.046" Thick, Add	*0.33*	
		For Manufacturer's Custom Colors, Add	*0.04*	
07 46 33 00-0008	SF	12" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	2.89	1.07
		For 0.040" Thick, Deduct	*-0.11*	
		For 0.042" Thick, Deduct	*0.07*	
		For 0.046" Thick, Add	*0.33*	
		For Manufacturer's Custom Colors, Add	*0.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 33 00-0009		**Vertical Vinyl Siding Panels** *(07 46 33 00-0002)*		
07 46 33 00-0010	SF	7" Exposure, 0.048" Thick, Board And Batten, Vinyl Siding Panel	4.03	1.34
		For Manufacturer's Custom Colors, Add	*0.07*	
07 46 33 00-0011		**Vinyl Siding Accessories** *(07 46 33 00-0001)*		
07 46 33 00-0012	LF	3/4" Pocket, Outside Corner Post For Vinyl Siding	3.56	1.03
		For Manufacturer's Custom Colors, Add	*0.08*	
07 46 33 00-0013	LF	1-1/8" Pocket, Outside Corner Post For Vinyl Siding	6.15	1.03
		For Manufacturer's Custom Colors, Add	*0.20*	
07 46 33 00-0014	LF	3/4" Pocket, Inside Corner Post For Vinyl Siding	3.11	1.03
		For Manufacturer's Custom Colors, Add	*0.05*	
07 46 33 00-0015	LF	1-1/8" Pocket, Inside Corner Post For Vinyl Siding	3.60	1.03
		For Manufacturer's Custom Colors, Add	*0.08*	
07 46 33 00-0016	LF	3/8" Pocket, J-Channel For Vinyl Siding	2.32	1.03
		For Manufacturer's Custom Colors, Add	*0.02*	
07 46 33 00-0017	LF	1/2" Pocket, J-Channel For Vinyl Siding	2.28	1.03
		For Manufacturer's Custom Colors, Add	*0.02*	
07 46 33 00-0018	LF	5/8" Pocket, J-Channel For Vinyl Siding	2.29	1.03
		For Manufacturer's Custom Colors, Add	*0.02*	
07 46 33 00-0019	LF	3/4" Pocket, J-Channel For Vinyl Siding	2.32	1.03
		For Manufacturer's Custom Colors, Add	*0.02*	
07 46 33 00-0020	LF	1" Pocket, J-Channel For Vinyl Siding	2.52	1.03
		For Manufacturer's Custom Colors, Add	*0.02*	
07 46 33 00-0021	LF	1-1/4" Pocket, J-Channel For Vinyl Siding	2.54	1.03
		For Manufacturer's Custom Colors, Add	*0.02*	
07 46 33 00-0022	LF	2-1/2" Pocket, J-Channel For Vinyl Siding	4.19	1.03
		For Manufacturer's Custom Colors, Add	*0.08*	
07 46 33 00-0023	LF	1/2" Pocket, F-Channel For Vinyl Siding	1.99	1.03
		For Manufacturer's Custom Colors, Add	*0.02*	
07 46 33 00-0024	LF	3/4" Pocket, 3-3/4" Lineals For Vinyl Siding	4.68	1.42
		For Manufacturer's Custom Colors, Add	*0.09*	
07 46 33 00-0025	LF	3/4" Pocket, 5" Lineals For Vinyl Siding	4.75	1.42
		For Manufacturer's Custom Colors, Add	*0.10*	
07 46 33 00-0026	LF	1-1/8" Pocket, 3-1/2" Lineals For Vinyl Siding	4.68	1.42
		For Manufacturer's Custom Colors, Add	*0.09*	
07 46 33 00-0027	LF	3/8" Pocket, 1-7/8" H-Mold For Vinyl Siding	3.70	1.03
		For Manufacturer's Custom Colors, Add	*0.08*	
07 46 33 00-0028	LF	Vinyl Starter Strip For Vinyl Siding	3.33	1.03
		For Manufacturer's Custom Colors, Add	*0.06*	
07 46 33 00-0029	LF	Undersill Trim For Vinyl Siding	2.49	1.03
		For Manufacturer's Custom Colors, Add	*0.02*	
07 46 33 00-0030		**Vinyl Soffit And Fascia** *(07 46 33 00-0001)*		
		Note: Excludes J-channel.		
07 46 33 00-0031	LF	6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	2.71	1.10
		For 0.038" Thick, Deduct	*-0.10*	
		For 0.040" Thick, Deduct	*-0.06*	
		For 0.046" Thick, Add	*0.11*	
		For Manufacturer's Custom Colors, Add	*0.03*	
07 46 33 00-0032	LF	10" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	3.16	1.16
		For 0.038" Thick, Deduct	*-0.18*	
		For 0.040" Thick, Deduct	*-0.11*	
		For 0.046" Thick, Add	*0.19*	
		For Manufacturer's Custom Colors, Add	*0.04*	
07 46 33 00-0033	LF	1' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	3.38	1.19
		For 0.038" Thick, Deduct	*-0.23*	
		For 0.040" Thick, Deduct	*-0.15*	
		For 0.046" Thick, Add	*0.22*	
		For Manufacturer's Custom Colors, Add	*0.05*	
07 46 33 00-0034	LF	1'-6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	4.01	1.25
		For 0.038" Thick, Deduct	*-0.35*	
		For 0.040" Thick, Deduct	*-0.23*	
		For 0.046" Thick, Add	*0.34*	
		For Manufacturer's Custom Colors, Add	*0.08*	
07 46 33 00-0035	LF	2' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	4.77	1.37
		For 0.038" Thick, Deduct	*-0.45*	
		For 0.040" Thick, Deduct	*-0.29*	
		For 0.046" Thick, Add	*0.45*	
		For Manufacturer's Custom Colors, Add	*0.10*	
07 46 33 00-0036	LF	3' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	6.05	1.51
		For 0.038" Thick, Deduct	*-0.70*	
		For 0.040" Thick, Deduct	*-0.46*	
		For 0.046" Thick, Add	*0.67*	
		For Manufacturer's Custom Colors, Add	*0.15*	
07 46 33 00-0037	LF	4' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	7.36	1.66
		For 0.038" Thick, Deduct	*-0.92*	
		For 0.040" Thick, Deduct	*-0.60*	
		For 0.046" Thick, Add	*0.89*	
		For Manufacturer's Custom Colors, Add	*0.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 33 00-0038	LF	5' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	8.71	1.83
		For 0.038" Thick, Deduct	*-1.17*	
		For 0.040" Thick, Deduct	*-0.77*	
		For 0.046" Thick, Add	*1.12*	
		For Manufacturer's Custom Colors, Add	*0.25*	
07 46 33 00-0039	LF	4" Exposure, Vinyl Fascia	2.86	1.08
		For Manufacturer's Custom Colors, Add	*0.04*	
07 46 33 00-0040	LF	6" Exposure, Vinyl Fascia	3.12	1.10
		For Manufacturer's Custom Colors, Add	*0.05*	
07 46 33 00-0041	LF	8" Exposure, Vinyl Fascia	3.27	1.13
		For Manufacturer's Custom Colors, Add	*0.05*	
07 46 33 00-0042	LF	10" Exposure, Vinyl Fascia	3.48	1.16
		For Manufacturer's Custom Colors, Add	*0.06*	
07 46 33 00-0043		Fiberglass Siding *(07 46 33)*		
07 46 33 00-0044		Corrugated Panels *(07 46 33 00-0043)*		
07 46 33 00-0045	SF	6 Ounce Corrugated Fiberglass Panels	4.32	1.58
07 46 33 00-0046	SF	8 Ounce Corrugated Fiberglass Panels	4.55	1.42
07 46 33 00-0047	SF	12 Ounce Corrugated Fiberglass Panels	4.98	1.42
07 46 33 00-0048		Flat Panels *(07 46 33 00-0043)*		
07 46 33 00-0049	SF	6 Ounce Flat Fiberglass Panels	4.17	1.42
07 46 33 00-0050	SF	8 Ounce Flat Fiberglass Panels	4.55	1.42

07 46 46 Fiber-Cement Siding *(07 46)*

Note: Smooth or patterns. Includes sealer and primer.

07 46 46 00-0001		5/16" Thick, Fiber Cement Lap Siding *(07 46 46)*		
07 46 46 00-0002	SF	5-1/4" Board with 4" Exposure, 5/16" Thick, Fiber Cement Lap Siding	4.63	1.66
07 46 46 00-0003	SF	6-1/4" Board with 5" Exposure, 5/16" Thick, Fiber Cement Lap Siding	4.40	1.58
07 46 46 00-0004	SF	7-1/4" Board with 6" Exposure, 5/16" Thick, Fiber Cement Lap Siding	4.30	1.54
07 46 46 00-0005	SF	8-1/4" Board with 7" Exposure, 5/16" Thick, Fiber Cement Lap Siding	4.20	1.50
07 46 46 00-0006	SF	9-1/2" Board with 8" Exposure, 5/16" Thick, Fiber Cement Lap Siding	4.01	1.42
07 46 46 00-0007	SF	12" Board with 10-3/4" Exposure, 5/16" Thick, Fiber Cement Lap Siding	3.82	1.34
07 46 46 00-0008	LF	Starter Strip, Fiber Cement Lap Siding	1.01	0.40
07 46 46 00-0009		Fiber Cement Shingle Siding *(07 46 46)*		
07 46 46 00-0010	SF	Fiber Cement Shingle Siding	6.92	1.46
07 46 46 00-0011		Fiber Cement Vertical Panel Siding *(07 46 46)*		
07 46 46 00-0012	SF	Fiber Cement Vertical Panel Siding	3.39	1.19
07 46 46 00-0013		Fiber Cement Trim Boards *(07 46 46)*		
07 46 46 00-0014		7/16" Thick, Fiber Cement Trim Boards *(07 46 46 00-0013)*		
07 46 46 00-0015	LF	4" Wide, 7/16" Thick, Fiber Cement Trim Board	2.21	0.79
07 46 46 00-0016	LF	6" Wide, 7/16" Thick, Fiber Cement Trim Board	2.80	0.87
07 46 46 00-0017	LF	8" Wide, 7/16" Thick, Fiber Cement Trim Board	3.35	0.94
07 46 46 00-0018	LF	12" Wide, 7/16" Thick, Fiber Cement Trim Board	4.38	1.11
07 46 46 00-0019		3/4" Thick Fiber Cement Trim Boards *(07 46 46 00-0013)*		
07 46 46 00-0020	LF	4" Wide, 3/4" Thick, Fiber Cement Trim Board	2.32	0.79
07 46 46 00-0021	LF	6" Wide, 3/4" Thick, Fiber Cement Trim Board	2.96	0.87
07 46 46 00-0022	LF	8" Wide, 3/4" Thick, Fiber Cement Trim Board	3.62	0.94
07 46 46 00-0023	LF	12" Wide, 3/4" Thick, Fiber Cement Trim Board	3.80	1.11
07 46 46 00-0024		1" Thick Fiber Cement Trim Boards *(07 46 46 00-0013)*		
07 46 46 00-0025	LF	4" Wide, 1" Thick, Fiber Cement Trim Board	2.45	0.79
07 46 46 00-0026	LF	6" Wide, 1" Thick, Fiber Cement Trim Board	3.19	0.87
07 46 46 00-0027	LF	8" Wide, 1" Thick, Fiber Cement Trim Board	3.96	0.94
07 46 46 00-0028	LF	12" Wide, 1" Thick, Fiber Cement Trim Board	5.25	1.11
07 46 46 00-0029		Fiber Cement Fascia Board *(07 46 46)*		
07 46 46 00-0030	LF	5/4" x 3-1/2" Fiber Cement Fascia Board	4.17	1.57
07 46 46 00-0031	LF	5/4" x 5-1/2" Fiber Cement Fascia Board	5.13	1.74
07 46 46 00-0032	LF	5/4" x 7-1/4" Fiber Cement Fascia Board	5.65	1.74
07 46 46 00-0033	LF	5/4" x 11-1/4" Fiber Cement Fascia Board	7.39	2.04
07 46 46 00-0034		Fiber Cement Soffit Boards *(07 46 46)*		
07 46 46 00-0035	SF	1/4" Thick, Non Vented Fiber Cement Soffit	4.26	1.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 46 00-0036	SF	1/4" Thick, Vented Fiber Cement Soffit	4.52	1.13

07 46 63 Fabricated Panel Assemblies With Siding *(07 46)*

07 46 63 00-0001 Metal Liner Panels *(07 46 63)*

07 46 63 00-0002 Galvanized Metal Liner Panels *(07 46 63 00-0001)*

07 46 63 00-0003	SF	24 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel	6.01	1.30
07 46 63 00-0004	SF	22 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel	6.54	1.30
07 46 63 00-0005	SF	20 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel	7.49	1.30
07 46 63 00-0006	SF	18 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel	7.58	1.30

07 50 Membrane Roofing *(07)*

Note: Includes placement of materials on roof up to 2-1/2 stories. See CSI section 07 22 16 00-0000 for insulation, 07 60 00 00-0000 for additional flashing, sheet metal and trim, 07 70 00 00-0000 for additional roof accessories.

07 51 Built-Up Bituminous Roofing *(07 50)*

07 51 13 Built-Up Asphalt Roofing *(07 51)*

07 51 13 00-0001 Built-Up Asphalt Roofing Components *(07 51 13)*

07 51 13 00-0002 Built-Up Asphalt Membrane Roofing *(07 51 13 00-0001)*
Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0066 for built-up roofing demolition.

07 51 13 00-0003 Cold Adhesive Applied, Built-Up Asphalt Membrane Roofing *(07 51 13 00-0002)*
Note: Includes applying cold adhesive and embedding the membrane.

07 51 13 00-0004 Cold Adhesive Applied, Built-Up Asphalt Roofing Base, Ply And Cap Sheets *(07 51 13 00-0003)*

07 51 13 00-0005	SQ	Type IV, Asphalt Coated Fiberglass Ply Sheet, Cold Adhesive Applied	56.37
		For Up To 10, Add	*10.28*
		For >10 To 25, Add	*7.79*
07 51 13 00-0006	SQ	Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Cold Adhesive Applied	137.98
		For Up To 10, Add	*14.36*
		For >10 To 25, Add	*11.87*

07 51 13 00-0007 Cold Adhesive Applied, Built-Up Asphalt Roofing Flashing *(07 51 13 00-0003)*

07 51 13 00-0008	SF	Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Cold Adhesive Applied	3.66

07 51 13 00-0009 Hot-Mopped, Built-Up Asphalt Membrane Roofing *(07 51 13 00-0002)*
Note: Includes mopping hot asphalt and embedding the membrane.

07 51 13 00-0010 Hot-Mopped, Built-Up Asphalt Roofing Base, Ply And Cap Sheets *(07 51 13 00-0009)*

07 51 13 00-0011	SQ	Type IV, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped	44.38
		For Up To 10, Add	*9.68*
		For >10 To 25, Add	*7.19*
07 51 13 00-0012	SQ	Type VI, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped	46.71
		For Up To 10, Add	*9.79*
		For >10 To 25, Add	*7.31*
07 51 13 00-0013	SQ	Fine Mineral Surfaced, Asphalt Coated Fiberglass Base Sheet, Hot-Mopped	49.36
		For Up To 10, Add	*9.93*
		For >10 To 25, Add	*7.44*
07 51 13 00-0014	SQ	Asphalt Coated Fiberglass Venting Base Sheet, Hot-Mopped	78.68
		For Up To 10, Add	*11.39*
		For >10 To 25, Add	*8.91*
07 51 13 00-0015	SQ	Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Hot-Mopped	126.00
		For Up To 10, Add	*13.76*
		For >10 To 25, Add	*11.27*
07 51 13 00-0016	SQ	Granule Surfaced, Asphalt Coated Fiberglass Cap Sheet, Hot-Mopped	99.00
		For Up To 10, Add	*13.12*
		For >10 To 25, Add	*10.40*

07 51 13 00-0017 Hot-Mopped, Built-Up Asphalt Roofing Flashing *(07 51 13 00-0009)*

07 51 13 00-0018	SF	Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Hot-Mopped	2.57

07 51 13 00-0019 Mechanically Fastened, Built-Up Asphalt Membrane Roofing *(07 51 13 00-0002)*
Note: Includes fasteners.

07 51 13 00-0020 Mechanically Fastened, Built-Up Asphalt Roofing Base, Ply And Cap Sheets *(07 51 13 00-0019)*

07 51 13 00-0021	SQ	Type VI, Asphalt Coated Fiberglass Ply Sheet, Mechanically Fastened	40.87
		For Up To 10, Add	*5.77*
		For >10 To 25, Add	*4.53*
07 51 13 00-0022	SQ	Asphalt Coated Fiberglass Venting Base Sheet, Mechanically Fastened	72.84
		For Up To 10, Add	*7.37*
		For >10 To 25, Add	*6.13*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0023	SQ	Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Mechanically Fastened	120.16	
		For Up To 10, Add	*9.73*	
		For >10 To 25, Add	*8.49*	
07 51 13 00-0024		**Mechanically Fastened, Built-Up Asphalt Roofing Flashing** *(07 51 13 00-0019)*		
07 51 13 00-0025	SF	Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Mechanically Fastened	2.96	
07 51 13 00-0026		**Asphalt Saturated Organic Felt** *(07 51 13 00-0001)*		
07 51 13 00-0027		**Cold Adhesive Applied, Asphalt Saturated Organic Felt** *(07 51 13 00-0026)*		
		Note: Includes applying cold adhesive and embedding the felt.		
07 51 13 00-0028	SQ	15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied	54.92	
		For Up To 10, Add	*10.20*	
		For >10 To 25, Add	*7.72*	
07 51 13 00-0029	SQ	30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied	60.92	
		For Up To 10, Add	*10.50*	
		For >10 To 25, Add	*8.02*	
07 51 13 00-0030		**Hot-Mopped, Asphalt Saturated Organic Felt** *(07 51 13 00-0026)*		
		Note: Includes mopping hot asphalt and embedding the felt.		
07 51 13 00-0031	SQ	15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped	42.93	
		For Up To 10, Add	*9.60*	
		For >10 To 25, Add	*7.12*	
07 51 13 00-0032	SQ	30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped	48.93	
		For Up To 10, Add	*9.90*	
		For >10 To 25, Add	*7.42*	
07 51 13 00-0033		**Mechanically Fastened, Asphalt Saturated Organic Felt** *(07 51 13 00-0026)*		
		Note: Includes fasteners.		
07 51 13 00-0034	SQ	15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened	21.45	
		For Up To 10, Add	*4.80*	
		For >10 To 25, Add	*3.56*	
07 51 13 00-0035	SQ	30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened	27.45	
		For Up To 10, Add	*5.10*	
		For >10 To 25, Add	*3.86*	
07 51 13 00-0036		**Surfacing** *(07 51 13 00-0001)*		
07 51 13 00-0037	SQ	400 LB/SQ Gravel Roofing Ballast, Set In Hot Asphalt Flood Coat	98.90	
		For Up To 10, Add	*23.59*	
		For >10 To 25, Add	*17.38*	
07 51 13 00-0038	SQ	400 LB/SQ Gravel Roofing Ballast, Set In Cold Adhesive Flood Coat	134.21	
		For Up To 10, Add	*25.36*	
		For >10 To 25, Add	*19.14*	
07 51 13 00-0039	CY	Gravel Roofing Ballast, Spread To Desired Thickness	112.59	
		Note: Excludes hot asphalt or cold adhesive.		
07 51 13 00-0040	SQ	Protective Polypropylene Fabric Mat, Loose Laid	28.48	
		Note: Installed as a separator mat (under membrane), a crushed stone mat (above membrane) or as a stone separator mat in ballasted systems.		
		For Up To 10, Add	*3.89*	
		For >10 To 25, Add	*3.07*	
07 51 13 00-0041	SQ	Clay-Stabilized, Water-Based Asphalt Emulsion With Reinforcing Fibers, Weather-Proofing Surface Coating, Price Per Coat	58.46	
		Note: Protective coating for use over built-up, SBS and APP modified bitumen, metal, concrete and wood roofs.		
		For Up To 10, Add	*7.40*	
		For >10 To 25, Add	*5.91*	
07 51 13 00-0042	SQ	Fibrated Aluminum, Asphalt-Based, Reflective Weather-Proofing Surface Coating, Price Per Coat	52.62	
		Note: Protective and reflective coating for use over built-up, SBS and APP modified bitumen and metal roofs.		
		For Up To 10, Add	*7.11*	
		For >10 To 25, Add	*5.62*	
07 51 13 00-0043	SQ	Aluminum Flakes And Reinforcing Fibers Suspended In Emulsified Asphalt, Reflective Surface Coating, Price Per Coat	68.56	
		Note: Reflective coating for use over smooth-surfaced built-up roofs.		
		For Up To 10, Add	*7.90*	
		For >10 To 25, Add	*6.41*	
07 51 13 00-0044	SQ	100% Acrylic Elastomeric, Reflective Surface Coating, Price Per Coat	69.08	
		Note: Reflective coating for use over built-up, SBS and APP modified bitumen roofs. For use on smooth or granule surfaced roofing systems.		
		For Up To 10, Add	*7.93*	
		For >10 To 25, Add	*6.44*	
		For Installation Over Granule Surfaced Asphalt Roof Systems, Add	*19.34*	
07 51 13 00-0045	SQ	100% Acrylic Elastomeric, Bleed Blocking Base Coating, Price Per Coat	71.22	
		Note: Bleed blocking coating for use over built-up, SBS and APP modified bitumen roofs. For use on smooth or granule surfaced roofing systems.		
		For Up To 10, Add	*8.04*	
		For >10 To 25, Add	*6.55*	
		For Installation Over Granule Surfaced Asphalt Roof Systems, Add	*20.04*	
07 51 13 00-0046	SF	Ceramic Coated Roofing Granules, Hand Broadcast	1.35	
		Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0047	SF	Energy Star, Ceramic Coated Roofing Granules, Hand Broadcast Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.	2.71	
07 51 13 00-0048		**Walkway Boards** *(07 51 13 00-0001)* Note: Set in hot asphalt or cold adhesive.		
07 51 13 00-0049	LF	5/16" Thick, 32" Wide, Skid Resistant Walkway Board	14.07	
07 51 13 00-0050	LF	1/2" Thick, 32" Wide, Skid Resistant Walkway Board	16.58	
07 51 13 00-0051		**Cant And Tapered Edge Strips** *(07 51 13 00-0001)*		
07 51 13 00-0052	LF	2" x 2" Perlite Cant Strip	2.53	
07 51 13 00-0053	LF	3" x 3" Perlite Cant Strip	2.59	
07 51 13 00-0054	LF	4" x 4" Perlite Cant Strip	2.86	
07 51 13 00-0055	LF	3" x 3" Pressure Treated Wood Cant Strip, Cut Diagonally	2.65	
07 51 13 00-0056	LF	4" x 4" Pressure Treated Wood Cant Strip, Cut Diagonally	2.74	
07 51 13 00-0057	LF	1/2" x 6" Perlite Tapered Edge Strip	2.84	
07 51 13 00-0058	LF	1/2" x 12" Perlite Tapered Edge Strip	3.15	
07 51 13 00-0059	LF	1" x 12" Perlite Tapered Edge Strip	3.24	
07 51 13 00-0060	LF	1" x 24" Perlite Tapered Edge Strip	3.57	
07 51 13 00-0061	LF	1-1/2" x 12" Perlite Tapered Edge Strip	3.54	
07 51 13 00-0062	LF	1-1/2" x 18" Perlite Tapered Edge Strip	4.13	
07 51 13 00-0063	LF	1-1/2" x 24" Perlite Tapered Edge Strip	4.56	
07 51 13 00-0064		**Asphalt Primer** *(07 51 13 00-0001)*		
07 51 13 00-0065	SQ	Asphalt Primer For Roofing Systems Note: Foundation coating for hot-mopped and cold applied asphalt coatings, roof cements, and asphalt based roof adhesives. For use on weathered roofing, asphalt, concrete, gypsum, masonry, block, brick and metal surfaces.	22.77	
07 51 13 00-0066		**Demolish Built-Up Roofing** *(07 51 13 00-0001)* Note: For removing any asphalt, coal tar or modified bitumen roofing system, including surfacing material down to the insulation or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.). See CSI section 01 74 19 00-0000 for chutes, dumpsters and hauling.		
07 51 13 00-0067	SQ	Demolish Gravel/Slag Surfaced, Built Up Roofing System		263.16
		For Up To 10, Add		*65.28*
		For >10 To 25, Add		*39.17*
07 51 13 00-0068	SQ	Demolish Cap Sheet Surfaced, Built Up Roofing System Note: Includes protective surfacing.		203.01
		For Up To 10, Add		*50.36*
		For >10 To 25, Add		*30.21*
07 51 13 00-0069		**Roofing System Warranty** *(07 51 13 00-0001)* Note: The warranty tasks below are only to be used in conjunction with the built-up bituminous and modified bituminous membrane roofing sections. The appropriate task is to be applied to the completed roofing membrane systems, not individual components. All warranties are no dollar limit to include material, equipment and labor.		
07 51 13 00-0070	EA	Up To 70 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	350.00	
07 51 13 00-0071	SQ	>70 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	5.00	
07 51 13 00-0072	EA	Up To 50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	400.00	
07 51 13 00-0073	SQ	>50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	8.00	
07 51 13 00-0074	EA	Up To 50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	550.00	
07 51 13 00-0075	SQ	>50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	11.00	
07 51 13 00-0076		**Built-Up Roofing Components (Tremco)** *(07 51 13)* Note: All tasks presented as a single layer. Adhesives are priced separately.		
07 51 13 00-0077		**Cold Applied BUR Base Plies And Ply Sheets** *(07 51 13 00-0076)*		
07 51 13 00-0078	SQ	BURmastic Composite Ply, Cold Applied BUR Component Note: Asphalt coated polyester/glass/polyester trilaminate reinforced ply sheet. Type II. 55 mils. Also used as a hot or cold applied base sheet.	77.12	
07 51 13 00-0079	SQ	BURmastic Premium Composite Ply, Cold Applied BUR Component Note: Asphalt coated polyester/glass/polyester trilaminate reinforced high strength ply sheet. Type II. 57 mil. Also used as a hot or cold applied base sheet.	93.32	
07 51 13 00-0080	SQ	BURmastic Supreme Composite Ply, Cold Applied BUR Component Note: Asphalt coated polyester/glass/polyester trilaminate reinforced high strength ply sheet. Type II. 51 mil. Also used as a hot or cold applied base sheet.	103.22	
07 51 13 00-0081	SQ	28 LB BURmastic Glass Ply, Cold Applied BUR Component Note: Asphalt coated fiberglass base or ply sheet. Type II.	23.83	
07 51 13 00-0082	SQ	33 LB BURmastic Glass Ply, Cold Applied BUR Component Note: Asphalt coated fiberglass base or ply sheet. Type II.	34.19	
07 51 13 00-0083	SQ	POWERply Modified HE Base Sheet, Hot Or Cold Applied BUR Component Note: Smooth surfaced, high elongation polyester reinforced modified bitumen base sheet. Type I, Grade S. 94 mil.	139.48	
07 51 13 00-0084	SQ	POWERply Modified Heavy Duty Base Sheet, Hot Applied BUR Component Note: A smooth surfaced, non woven fiberglass/scrim fiberglass bilaminate reinforced modified bitumen membrane. 120 mil.	129.09	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0085		**Hot Or Cold Applied Modified Bitumen Cap Membrane** *(07 51 13 00-0076)*		
07 51 13 00-0086	SQ	POWERply Standard Smooth Cap Membrane, Hot Or Cold Applied BUR Component Note: Fiberglass reinforced modified bitumen membrane. Type I, Grade S. 80 mils. Also used as a hot or cold applied ply.	80.39	
07 51 13 00-0087	SQ	POWERply Premium Smooth Cap Membrane, Hot Or Cold Applied BUR Component Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 90 mils. Also used as a hot or cold applied ply.	209.74	
07 51 13 00-0088	SQ	POWERply Supreme Smooth Cap Membrane, Hot Or Cold Applied BUR Component Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 98 mils. Also used as a hot or cold applied ply.	345.68	
07 51 13 00-0089	SQ	POWERply Standard Cap Membrane, Hot Or Cold Applied BUR Component Note: Granule surface, fiberglass reinforced modified bitumen cap sheet membrane. 120 mils. Black or white surface.	94.38	
07 51 13 00-0090	SQ	POWERply Standard FR Cap Membrane, Hot Or Cold Applied BUR Component Note: Fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane. Type I, Grade G. 120 mils.	143.36	
07 51 13 00-0091	SQ	POWERply Premium FR Cap Membrane, Hot Or Cold Applied BUR Component Note: Fire rated, granule surfaced, polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 160 mils. Black or white surface.	343.77	
07 51 13 00-0092	SQ	POWERply Standard FR T24 Cap Membrane, Hot Or Cold Applied BUR Component Note: Highly reflective, fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane meeting California's Title 24 requirements. Type I, Grade G. 120 mils.	273.64	
07 51 13 00-0093	SQ	POWERply HE FR Cap Sheet, Hot Applied BUR Component Note: High elongation, fire rated, granule surfaced, polyester reinforced modified bitumen membrane. 160 mils.	246.93	
07 51 13 00-0094		**Self Adhesive Base Plies And Ply Sheets** *(07 51 13 00-0076)*		
07 51 13 00-0095	SQ	POWERply SA Base Sheet, Self Adhesive Roofing Note: A self adhesive, fiberglass reinforced SBS modified bitumen base sheet/underlayment. Type 1, Grade S. 80 mils.	143.70	
07 51 13 00-0096	SQ	POWERply SA FR Membrane, Self Adhesive Roofing Note: A fire rated, granule surfaced, polyester reinforced, self adhesive SBS modified bitumen membrane. Type I, Grade G. 130 mils.	286.56	
07 51 13 00-0097		**Flashings** *(07 51 13 00-0076)*		
07 51 13 00-0098	LF	11-1/2" Hypalon Elastomeric Flashing Note: 45 mils.	9.60	
07 51 13 00-0099	LF	19" Hypalon Elastomeric Flashing Note: 45 mils.	15.70	
07 51 13 00-0100	LF	25" Hypalon Elastomeric Flashing Note: 45 mils.	20.86	
07 51 13 00-0101	LF	38" Hypalon Elastomeric Flashing Note: 45 mils.	30.51	
07 51 13 00-0102	LF	60-1/2" Hypalon Elastomeric Flashing Note: 45 mils.	50.38	
07 51 13 00-0103	LF	12" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	7.76	
07 51 13 00-0104	LF	18" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	12.76	
07 51 13 00-0105	LF	24" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	17.00	
07 51 13 00-0106	LF	36" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	24.77	
07 51 13 00-0107	LF	60" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	41.74	
07 51 13 00-0108	LF	4" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	3.17	
07 51 13 00-0109	LF	6" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	3.26	
07 51 13 00-0110	LF	12" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	4.25	
07 51 13 00-0111	LF	36" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	11.99	
07 51 13 00-0112		**Cold Applied Adhesives** *(07 51 13 00-0076)*		
07 51 13 00-0113	SQ	BURmastic Inter-Ply Cold Applied Adhesive	92.17	
07 51 13 00-0114	SQ	BURmastic Flood Coat Cold Applied Adhesive	151.61	
07 51 13 00-0115	SQ	BURmastic SF Inter-Ply Cold Applied Adhesive	116.46	
07 51 13 00-0116	SQ	BURmastic LV Inter-Ply Cold Applied Adhesive	92.17	
07 51 13 00-0117	SQ	POWERply Standard Inter-Ply Cold Applied Adhesive	48.39	
07 51 13 00-0118	SQ	POWERply Standard Flood Coat Cold Applied Adhesive	105.28	
07 51 13 00-0119	SQ	POWERply White On White Cold Applied Adhesive	96.48	
07 51 13 00-0120	SQ	Rock-It Cold Applied Adhesive For Gravel Applications	281.01	
07 51 13 00-0121	SQ	FAS-n-FREE Cold Applied Adhesive (Beads 12" OC) Note: For insulation only.	154.82	
07 51 13 00-0122	SQ	ECOLastic Cold Applied Adhesive	176.25	
07 51 13 00-0123		**Hot Applied Adhesives** *(07 51 13 00-0076)*		
07 51 13 00-0124	SQ	Premium III Asphalt Inter-Ply Hot Applied Adhesive	34.19	
07 51 13 00-0125	SQ	Premium III Asphalt Flood Coat Hot Applied Adhesive	68.01	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0126		**Flashings Adhesives** *(07 51 13 00-0076)*		
07 51 13 00-0127	LF	Sheeting Bond Flashing Adhesive Note: Used to attach Hypalon sheeting to asphalt or coal-tar roofing membranes.	12.62	
07 51 13 00-0128	LF	Polyroof SF Flashing Mastic Note: A solvent free, one part elastomeric roof mastic. Used to seal edges or as a repair mastic for split or cracked seals.	16.10	
07 51 13 00-0129	LF	ELS Flashing Mastic Note: Used for repairing flashings and asphalt built-up roof defects.	10.53	
07 51 13 00-0130	LF	TremSEAL D General Purpose Sealant	4.08	
07 51 13 00-0131	LF	TremSEAL HP High Performance Sealant	4.17	
07 51 13 00-0132	LF	TremSEAL S Silicone Sealant	4.10	
07 51 13 00-0133		**Surfacing** *(07 51 13 00-0076)*		
07 51 13 00-0134	SQ	TremLastic SP Non Fibered Elastomeric Emulsion Cold Applied Coating	135.71	
07 51 13 00-0135	SQ	ICE Coating, Water Based, Heavy Bodied Elastomeric Roof Coating	305.15	
07 51 13 00-0136	SQ	Polar Coat	81.18	
07 51 13 00-0137	SQ	Alumanation 301, Asphalt Based, Fibrated Aluminum Roof Coating	98.34	
07 51 13 00-0138	SQ	Wall-Tite, Elastomeric Coating For Exterior Above-Grade Walls	278.58	
07 51 13 00-0139	SQ	Solarguard Hy-Build, Elastomeric Coating For Exterior Above-Grade Walls	130.53	
07 51 13 00-0140		**Primer** *(07 51 13 00-0076)*		
07 51 13 00-0141	SQ	TREMprime WB Primer Note: Water based polymer modified asphalt primer.	23.20	
07 51 13 00-0142	SQ	Solarguard Masonry Primer, Acrylic Latex Primer For Wall Tite F Coating	46.15	
07 51 13 00-0143		**Liquid Applied Roofing** *(07 51 13 00-0076)*		
07 51 13 00-0144	SQ	Trem-LAR LRM H Waterproofing (Horizontal) Note: One part liquid applied elastomeric roofing membrane. 60 mils.	232.45	
07 51 13 00-0145	SQ	Trem-LAR LRM V Waterproofing (Vertical) Note: One part liquid applied elastomeric roofing membrane. 60 mils.	237.67	
07 51 13 00-0146		**Atactic-Polypropylene (APP) Products** *(07 51 13 00-0076)*		
07 51 13 00-0147	SQ	POWERply APP Base Sheet	120.28	
07 51 13 00-0148	SQ	POWERply APP FR	226.17	
07 51 13 00-0149	SQ	POWERply APP Smooth	181.30	
07 51 13 00-0150		**Tri-Polymer Alloy (TPA) White Membrane** *(07 51 13 00-0076)*		
07 51 13 00-0151	SQ	45 Mil Tri-Polymer Alloy (TPA) White Membrane	321.54	
07 51 13 00-0152	SQ	60 Mil Tri-Polymer Alloy (TPA) White Membrane	434.82	
07 51 13 00-0153	SQ	80 Mil Tri-Polymer Alloy (TPA) White Membrane	491.23	
07 51 13 00-0154		**Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane** *(07 51 13 00-0076)*		
07 51 13 00-0155	SQ	45 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane	366.42	
07 51 13 00-0156	SQ	60 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane	445.63	
07 51 13 00-0157	SQ	80 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane	541.65	
07 51 13 00-0158		**Thermoplastic Polyolefin (TPO) Polyester White Membrane** *(07 51 13 00-0076)*		
07 51 13 00-0159	SQ	45 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	178.74	
07 51 13 00-0160	SQ	60 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	179.51	
07 51 13 00-0161	SQ	80 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	298.91	
07 51 13 00-0162		**Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane** *(07 51 13 00-0076)*		
07 51 13 00-0163	SQ	45 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane	204.29	
07 51 13 00-0164	SQ	60 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane	227.49	
07 51 13 00-0165	SQ	80 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane	325.06	
07 51 13 00-0166		**Tremply HP 4510 CSPE White Membrane** *(07 51 13 00-0076)*		
07 51 13 00-0167	SQ	45 Mil Tremply HP 4510 CSPE White Membrane	525.50	
07 51 13 00-0168		**Warranty** *(07 51 13 00-0076)*		
07 51 13 00-0169	EA	Up To 10,000 SF 15 Year Roofing System Warranty	1,500.00	
07 51 13 00-0170	SF	>10,000 SF 15 Year Roofing System Warranty	0.15	
07 51 13 00-0171	EA	Up To 10,000 SF 20 Year Roofing System Warranty	2,000.00	
07 51 13 00-0172	SF	>10,000 SF 20 Year Roofing System Warranty	0.20	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 52 Modified Bituminous Membrane Roofing *(07 50)*

07 52 13 Atactic-Polypropylene Modified Bituminous Membrane Roofing *(07 52)*

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway boards, demolition and warranties.

07 52 13 11 Cold Adhesive Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing *(07 52 13)*

07 52 13 11-0001 Cold Adhesive Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing *(07 52 13 11)*

Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.

07 52 13 11-0002 Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 13 11-0001)*

07 52 13 11-0003	SQ	80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Cold Adhesive Applied	95.49	
		For Up To 10, Add	*12.23*	
		For >10 To 25, Add	*9.75*	
07 52 13 11-0004	SQ	90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied	114.13	
		For Up To 10, Add	*13.16*	
		For >10 To 25, Add	*10.68*	
07 52 13 11-0005	SQ	160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Cold Adhesive Applied	186.09	
		For Up To 10, Add	*16.76*	
		For >10 To 25, Add	*14.28*	
07 52 13 11-0006	SQ	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	188.47	
		For Up To 10, Add	*17.59*	
		For >10 To 25, Add	*14.87*	
07 52 13 11-0007	SQ	160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	129.01	
		For Up To 10, Add	*14.62*	
		For >10 To 25, Add	*11.90*	
		For Factory Applied White Reflective Surfacing, Add	*52.37*	
07 52 13 11-0008	SQ	160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	147.86	
		For Up To 10, Add	*15.56*	
		For >10 To 25, Add	*12.84*	
		For Factory Applied White Reflective Surfacing, Add	*52.37*	
07 52 13 11-0009	SQ	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	199.21	
		For Up To 10, Add	*18.13*	
		For >10 To 25, Add	*15.41*	
		For Factory Applied White Reflective Surfacing, Add	*52.37*	

07 52 13 11-0010 Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Flashing *(07 52 13 11-0001)*

07 52 13 11-0011	SF	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied	4.14	
07 52 13 11-0012	SF	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied	4.25	
		For Factory Applied White Reflective Surfacing, Add	*0.52*	

07 52 13 13 Torch-Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing *(07 52 13)*

07 52 13 13-0001 Torch-Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing *(07 52 13 13)*

Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.

07 52 13 13-0002 Torch-Applied, APP Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 13 13-0001)*

07 52 13 13-0003	SQ	80 Mil, APP Modified Bitumen Base Sheet, Torch-Applied	65.37	
		For Up To 10, Add	*8.86*	
		For >10 To 25, Add	*7.00*	
07 52 13 13-0004	SQ	90 Mil, APP Modified Bitumen Base Or Ply Sheet, Torch-Applied	84.01	
		For Up To 10, Add	*9.80*	
		For >10 To 25, Add	*7.93*	
07 52 13 13-0005	SQ	150 Mil, APP Modified Bitumen Ply Sheet, Torch-Applied	92.76	
		For Up To 10, Add	*10.23*	
		For >10 To 25, Add	*8.37*	
07 52 13 13-0006	SQ	160 Mil, APP Modified Bitumen Ply Sheet, Torch-Applied	97.53	
		For Up To 10, Add	*10.47*	
		For >10 To 25, Add	*8.61*	
07 52 13 13-0007	SQ	180 Mil, APP Modified Bitumen Ply Sheet, Torch-Applied	136.24	
		For Up To 10, Add	*12.41*	
		For >10 To 25, Add	*10.54*	
07 52 13 13-0008	SQ	150 Mil, Smooth Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied	93.89	
		For Up To 10, Add	*10.63*	
		For >10 To 25, Add	*8.65*	
07 52 13 13-0009	SQ	160 Mil, Smooth Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied	99.85	
		For Up To 10, Add	*10.92*	
		For >10 To 25, Add	*8.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 13 13-0010	SQ	180 Mil, Smooth Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied	137.37	
		For Up To 10, Add	*12.80*	
		For >10 To 25, Add	*10.82*	
07 52 13 13-0011	SQ	160 Mil, Granule Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied	97.64	
		For Up To 10, Add	*10.81*	
		For >10 To 25, Add	*8.84*	
		For Factory Applied White Reflective Surfacing, Add	*52.37*	
07 52 13 13-0012	SQ	170 Mil, Granule Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied	103.43	
		For Up To 10, Add	*11.10*	
		For >10 To 25, Add	*9.13*	
		For Factory Applied White Reflective Surfacing, Add	*52.37*	
07 52 13 13-0013	SQ	160 Mil, Fire Rated, Granule Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied	117.62	
		For Up To 10, Add	*11.81*	
		For >10 To 25, Add	*9.84*	
		For Factory Applied White Reflective Surfacing, Add	*52.37*	
07 52 13 13-0014	SQ	170 Mil, Fire Rated, Granule Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied	119.35	
		For Up To 10, Add	*11.90*	
		For >10 To 25, Add	*9.92*	
		For Factory Applied White Reflective Surfacing, Add	*52.37*	
07 52 13 13-0015	SQ	180 Mil, Fire Rated, Granule Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied	167.84	
		For Up To 10, Add	*14.32*	
		For >10 To 25, Add	*12.35*	
		For Factory Applied White Reflective Surfacing, Add	*52.37*	

07 52 13 13-0016 Torch-Applied, APP Modified Bitumen Roofing Flashing *(07 52 13 13-0001)*

07 52 13 13-0017	SF	150 Mil, Smooth Surfaced, APP Modified Bitumen Flashing, Torch-Applied	1.87	
07 52 13 13-0018	SF	160 Mil, Smooth Surfaced, APP Modified Bitumen Flashing, Torch-Applied	1.93	
07 52 13 13-0019	SF	180 Mil, Smooth Surfaced, APP Modified Bitumen Flashing, Torch-Applied	2.30	
07 52 13 13-0020	SF	170 Mil, Granule Surfaced, APP Modified Bitumen Flashing, Torch-Applied	1.97	
		For Factory Applied White Reflective Surfacing, Add	*0.52*	
07 52 13 13-0021	SF	170 Mil, Fire Rated, Granule Surfaced, APP Modified Bitumen Flashing, Torch-Applied	2.12	
		For Factory Applied White Reflective Surfacing, Add	*0.52*	
07 52 13 13-0022	SF	180 Mil, Fire Rated, Granule Surfaced, APP Modified Bitumen Flashing, Torch-Applied	2.61	
		For Factory Applied White Reflective Surfacing, Add	*0.52*	

07 52 13 14 Mechanically Fastened Atactic-Polypropylene-Modified Bituminous Membrane Roofing *(07 52 13)*

07 52 13 14-0001 Mechanically Fastened Atactic-Polypropylene-Modified Bituminous Membrane Roofing *(07 52 13 14)*

Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.

07 52 13 14-0002 Mechanically Fastened, APP Modified Bitumen Roofing Base And Ply Sheets *(07 52 13 14-0001)*

07 52 13 14-0003	SQ	90 Mil, APP Modified Bitumen Base Or Ply Sheet, Mechanically Fastened	96.30	
		For Up To 10, Add	*8.54*	
		For >10 To 25, Add	*7.30*	

07 52 16 Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52)*

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway boards, demolition and warranties.

07 52 16 11 Cold Adhesive Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

07 52 16 11-0001 Cold Adhesive Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16 11)*

Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.

07 52 16 11-0002 Cold Adhesive Applied, SBS Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 16 11-0001)*

07 52 16 11-0003	SQ	50 Mil, SBS Modified Bitumen Base Sheet, Cold Adhesive Applied	77.25	
		For Up To 10, Add	*11.32*	
		For >10 To 25, Add	*8.83*	
07 52 16 11-0004	SQ	80 Mil, SBS Modified Bitumen Base Sheet, Cold Adhesive Applied	97.94	
		For Up To 10, Add	*12.36*	
		For >10 To 25, Add	*9.87*	
07 52 16 11-0005	SQ	90 Mil, SBS Modified Bitumen Base Sheet, Cold Adhesive Applied	100.61	
		For Up To 10, Add	*12.49*	
		For >10 To 25, Add	*10.00*	
07 52 16 11-0006	SQ	120 Mil, SBS Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied	133.61	
		For Up To 10, Add	*14.14*	
		For >10 To 25, Add	*11.65*	
07 52 16 11-0007	SQ	125 Mil, SBS Modified Bitumen Ply Sheet, Cold Adhesive Applied	167.01	
		For Up To 10, Add	*15.81*	
		For >10 To 25, Add	*13.32*	
07 52 16 11-0008	SQ	140 Mil, Smooth Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied	141.70	
		For Up To 10, Add	*15.25*	
		For >10 To 25, Add	*12.53*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 11-0009	SQ	150 Mil, Smooth Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied	145.29	
		For Up To 10, Add	*15.43*	
		For >10 To 25, Add	*12.71*	
07 52 16 11-0010	SQ	125 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied	128.47	
		For Up To 10, Add	*14.59*	
		For >10 To 25, Add	*11.87*	
		For Factory Applied White Reflective Surfacing, Add	*52.37*	
07 52 16 11-0011	SQ	140 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied	130.02	
		For Up To 10, Add	*14.67*	
		For >10 To 25, Add	*11.95*	
		For Factory Applied White Reflective Surfacing, Add	*52.37*	
07 52 16 11-0012	SQ	150 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied	144.34	
		For Up To 10, Add	*15.39*	
		For >10 To 25, Add	*12.66*	
		For Factory Applied White Reflective Surfacing, Add	*52.37*	
07 52 16 11-0013	SQ	160 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied	146.72	
		For Up To 10, Add	*15.51*	
		For >10 To 25, Add	*12.78*	
		For Factory Applied White Reflective Surfacing, Add	*52.37*	
07 52 16 11-0014	SQ	170 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied	167.60	
		For Up To 10, Add	*16.55*	
		For >10 To 25, Add	*13.83*	
		For Factory Applied White Reflective Surfacing, Add	*52.37*	
07 52 16 11-0015	SQ	180 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied	205.63	
		For Up To 10, Add	*18.45*	
		For >10 To 25, Add	*15.73*	
		For Factory Applied White Reflective Surfacing, Add	*52.37*	
07 52 16 11-0016	SQ	125 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied	131.06	
		For Up To 10, Add	*14.72*	
		For >10 To 25, Add	*12.00*	
		For Factory Applied White Reflective Surfacing, Add	*52.37*	
07 52 16 11-0017	SQ	140 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied	134.80	
		For Up To 10, Add	*14.91*	
		For >10 To 25, Add	*12.19*	
		For Factory Applied White Reflective Surfacing, Add	*52.37*	
07 52 16 11-0018	SQ	150 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied	155.07	
		For Up To 10, Add	*15.92*	
		For >10 To 25, Add	*13.20*	
		For Factory Applied White Reflective Surfacing, Add	*52.37*	
07 52 16 11-0019	SQ	160 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied	155.55	
		For Up To 10, Add	*15.95*	
		For >10 To 25, Add	*13.22*	
		For Factory Applied White Reflective Surfacing, Add	*52.37*	
07 52 16 11-0020	SQ	170 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied	164.62	
		For Up To 10, Add	*16.40*	
		For >10 To 25, Add	*13.68*	
		For Factory Applied White Reflective Surfacing, Add	*52.37*	

07 52 16 11-0021 Cold Adhesive Applied, SBS Modified Bitumen Roofing Flashing *(07 52 16 11-0001)*

07 52 16 11-0022	SF	150 Mil, Smooth Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied	3.71	
07 52 16 11-0023	SF	125 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied	3.54	
		For Factory Applied White Reflective Surfacing, Add	*0.52*	
07 52 16 11-0024	SF	140 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied	3.56	
		For Factory Applied White Reflective Surfacing, Add	*0.52*	
07 52 16 11-0025	SF	160 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied	3.73	
		For Factory Applied White Reflective Surfacing, Add	*0.52*	
07 52 16 11-0026	SF	170 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied	3.93	
		For Factory Applied White Reflective Surfacing, Add	*0.52*	
07 52 16 11-0027	SF	180 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied	4.31	
		For Factory Applied White Reflective Surfacing, Add	*0.52*	
07 52 16 11-0028	SF	125 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied	3.57	
		For Factory Applied White Reflective Surfacing, Add	*0.52*	
07 52 16 11-0029	SF	140 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied	3.61	
		For Factory Applied White Reflective Surfacing, Add	*0.52*	
07 52 16 11-0030	SF	160 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied	3.81	
		For Factory Applied White Reflective Surfacing, Add	*0.52*	
07 52 16 11-0031	SF	170 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied	3.90	
		For Factory Applied White Reflective Surfacing, Add	*0.52*	
07 52 16 11-0032	SF	145 Mil, Aluminum Foil Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied	4.65	
07 52 16 11-0033	SF	160 Mil, Copper Foil Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied	7.33	

07 52 16 12 Hot-Mopped Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

07 52 16 12-0001 Hot-Mopped Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16 12)*

Note: Includes fiberglass and/or polyester reinforcement. Includes mopping hot asphalt and embedding the membrane.

07 52 16 12-0002 Hot-Mopped, SBS Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 16 12-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 12-0003	SQ	50 Mil, SBS Modified Bitumen Base Sheet, Hot-Mopped	65.26	
		For Up To 10, Add	*10.72*	
		For >10 To 25, Add	*8.24*	
07 52 16 12-0004	SQ	80 Mil, SBS Modified Bitumen Base Sheet, Hot-Mopped	85.95	
		For Up To 10, Add	*11.76*	
		For >10 To 25, Add	*9.27*	
07 52 16 12-0005	SQ	90 Mil, SBS Modified Bitumen Base Sheet, Hot-Mopped	88.62	
		For Up To 10, Add	*11.89*	
		For >10 To 25, Add	*9.40*	
07 52 16 12-0006	SQ	120 Mil, SBS Modified Bitumen Base Or Ply Sheet, Hot-Mopped	121.62	
		For Up To 10, Add	*13.54*	
		For >10 To 25, Add	*11.05*	
07 52 16 12-0007	SQ	125 Mil, SBS Modified Bitumen Ply Sheet, Hot-Mopped	155.02	
		For Up To 10, Add	*15.21*	
		For >10 To 25, Add	*12.72*	
07 52 16 12-0008	SQ	140 Mil, Smooth Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped	129.76	
		For Up To 10, Add	*14.66*	
		For >10 To 25, Add	*11.93*	
07 52 16 12-0009	SQ	150 Mil, Smooth Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped	133.36	
		For Up To 10, Add	*14.84*	
		For >10 To 25, Add	*12.11*	
07 52 16 12-0010	SQ	125 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped	116.54	
		For Up To 10, Add	*14.00*	
		For >10 To 25, Add	*11.27*	
		For Factory Applied White Reflective Surfacing, Add	*52.37*	
07 52 16 12-0011	SQ	140 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped	118.09	
		For Up To 10, Add	*14.07*	
		For >10 To 25, Add	*11.35*	
		For Factory Applied White Reflective Surfacing, Add	*52.37*	
07 52 16 12-0012	SQ	150 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped	132.40	
		For Up To 10, Add	*14.79*	
		For >10 To 25, Add	*12.07*	
		For Factory Applied White Reflective Surfacing, Add	*52.37*	
07 52 16 12-0013	SQ	160 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped	134.79	
		For Up To 10, Add	*14.91*	
		For >10 To 25, Add	*12.19*	
		For Factory Applied White Reflective Surfacing, Add	*52.37*	
07 52 16 12-0014	SQ	170 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped	155.66	
		For Up To 10, Add	*15.95*	
		For >10 To 25, Add	*13.23*	
		For Factory Applied White Reflective Surfacing, Add	*52.37*	
07 52 16 12-0015	SQ	180 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped	193.69	
		For Up To 10, Add	*17.85*	
		For >10 To 25, Add	*15.13*	
		For Factory Applied White Reflective Surfacing, Add	*52.37*	
07 52 16 12-0016	SQ	125 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped	119.12	
		For Up To 10, Add	*14.13*	
		For >10 To 25, Add	*11.40*	
		For Factory Applied White Reflective Surfacing, Add	*52.37*	
07 52 16 12-0017	SQ	140 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped	122.86	
		For Up To 10, Add	*14.31*	
		For >10 To 25, Add	*11.59*	
		For Factory Applied White Reflective Surfacing, Add	*52.37*	
07 52 16 12-0018	SQ	150 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped	143.14	
		For Up To 10, Add	*15.33*	
		For >10 To 25, Add	*12.60*	
		For Factory Applied White Reflective Surfacing, Add	*52.37*	
07 52 16 12-0019	SQ	160 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped	143.61	
		For Up To 10, Add	*15.35*	
		For >10 To 25, Add	*12.63*	
		For Factory Applied White Reflective Surfacing, Add	*52.37*	
07 52 16 12-0020	SQ	170 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped	152.68	
		For Up To 10, Add	*15.80*	
		For >10 To 25, Add	*13.08*	
		For Factory Applied White Reflective Surfacing, Add	*52.37*	

07 52 16 12-0021 Hot-Mopped, SBS Modified Bitumen Roofing Flashing *(07 52 16 12-0001)*

07 52 16 12-0022	SF	150 Mil, Smooth Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	2.62	
07 52 16 12-0023	SF	125 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	2.45	
		For Factory Applied White Reflective Surfacing, Add	*0.52*	
07 52 16 12-0024	SF	140 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	2.47	
		For Factory Applied White Reflective Surfacing, Add	*0.52*	
07 52 16 12-0025	SF	150 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	2.61	
		For Factory Applied White Reflective Surfacing, Add	*0.52*	
07 52 16 12-0026	SF	160 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	2.63	
		For Factory Applied White Reflective Surfacing, Add	*0.52*	
07 52 16 12-0027	SF	170 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	2.84	
		For Factory Applied White Reflective Surfacing, Add	*0.52*	
07 52 16 12-0028	SF	180 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	3.22	
		For Factory Applied White Reflective Surfacing, Add	*0.52*	
07 52 16 12-0029	SF	125 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	2.48	
		For Factory Applied White Reflective Surfacing, Add	*0.52*	
07 52 16 12-0030	SF	140 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	2.51	
		For Factory Applied White Reflective Surfacing, Add	*0.52*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 12-0031	SF	160 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	2.68	
		For Factory Applied White Reflective Surfacing, Add	*0.52*	
07 52 16 12-0032	SF	170 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	2.81	
		For Factory Applied White Reflective Surfacing, Add	*0.52*	
07 52 16 12-0033	SF	145 Mil, Aluminum Foil Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	3.55	
07 52 16 12-0034	SF	160 Mil, Copper Foil Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	6.24	

07 52 16 13 Torch-Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

07 52 16 13-0001 Torch-Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16 13)*

Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.

07 52 16 13-0002 Torch-Applied, SBS Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 16 13-0001)*

07 52 16 13-0003	SQ	120 Mil, SBS Modified Bitumen Base Or Ply Sheet, Torch-Applied	109.46	
		For Up To 10, Add	*11.07*	
		For >10 To 25, Add	*9.20*	
07 52 16 13-0004	SQ	150 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Torch-Applied	99.02	
		For Up To 10, Add	*10.88*	
		For >10 To 25, Add	*8.91*	
		For Factory Applied White Reflective Surfacing, Add	*52.37*	
07 52 16 13-0005	SQ	160 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Torch-Applied	112.61	
		For Up To 10, Add	*11.56*	
		For >10 To 25, Add	*9.58*	
		For Factory Applied White Reflective Surfacing, Add	*52.37*	
07 52 16 13-0006	SQ	180 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Torch-Applied	174.26	
		For Up To 10, Add	*14.64*	
		For >10 To 25, Add	*12.67*	
		For Factory Applied White Reflective Surfacing, Add	*52.37*	
07 52 16 13-0007	SQ	150 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Torch-Applied	102.90	
		For Up To 10, Add	*11.08*	
		For >10 To 25, Add	*9.10*	
		For Factory Applied White Reflective Surfacing, Add	*52.37*	
07 52 16 13-0008	SQ	160 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Torch-Applied	118.94	
		For Up To 10, Add	*11.88*	
		For >10 To 25, Add	*9.90*	
		For Factory Applied White Reflective Surfacing, Add	*52.37*	
07 52 16 13-0009	SQ	165 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Torch-Applied	124.06	
		For Up To 10, Add	*12.13*	
		For >10 To 25, Add	*10.16*	
		For Factory Applied White Reflective Surfacing, Add	*52.37*	
07 52 16 13-0010	SQ	180 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Torch-Applied	161.48	
		For Up To 10, Add	*14.01*	
		For >10 To 25, Add	*12.03*	
		For Factory Applied White Reflective Surfacing, Add	*52.37*	

07 52 16 13-0011 Torch-Applied, SBS Modified Bitumen Roofing Flashing *(07 52 16 13-0001)*

07 52 16 13-0012	SF	150 Mil, Smooth Surfaced, SBS Modified Bitumen Flashing, Torch-Applied	2.07	
07 52 16 13-0013	SF	150 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Torch-Applied	2.06	
		For Factory Applied White Reflective Surfacing, Add	*0.52*	
07 52 16 13-0014	SF	180 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Torch-Applied	2.67	
		For Factory Applied White Reflective Surfacing, Add	*0.52*	
07 52 16 13-0015	SF	160 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Torch-Applied	2.13	
		For Factory Applied White Reflective Surfacing, Add	*0.52*	
07 52 16 13-0016	SF	165 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Torch-Applied	2.17	
		For Factory Applied White Reflective Surfacing, Add	*0.52*	
07 52 16 13-0017	SF	180 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Torch-Applied	2.55	
		For Factory Applied White Reflective Surfacing, Add	*0.52*	
07 52 16 13-0018	SF	150 Mil, Aluminum Foil Surfaced, SBS Modified Bitumen Flashing, Torch-Applied	2.63	
07 52 16 13-0019	SF	160 Mil, Copper Foil Surfaced, SBS Modified Bitumen Flashing, Torch-Applied	5.69	

07 52 16 14 Mechanically Fastened Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

07 52 16 14-0001 Mechanically Fastened Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16 14)*

Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.

07 52 16 14-0002 Mechanically Fastened, SBS Modified Bitumen Roofing Base And Ply Sheets *(07 52 16 14-0001)*

07 52 16 14-0003	SQ	35 Mil, SBS Modified Bitumen Ply Sheet, Mechanically Fastened	75.74	
		For Up To 10, Add	*7.51*	
		For >10 To 25, Add	*6.27*	
07 52 16 14-0004	SQ	50 Mil, SBS Modified Bitumen Base Sheet, Mechanically Fastened	59.42	
		For Up To 10, Add	*6.70*	
		For >10 To 25, Add	*5.46*	
07 52 16 14-0005	SQ	80 Mil, SBS Modified Bitumen Base Sheet, Mechanically Fastened	75.49	
		For Up To 10, Add	*7.50*	
		For >10 To 25, Add	*6.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 14-0006	SQ	90 Mil, SBS Modified Bitumen Base Sheet, Mechanically Fastened	93.24	
		For Up To 10, Add	*8.39*	
		For >10 To 25, Add	*7.15*	
07 52 16 14-0007	SQ	120 Mil, SBS Modified Bitumen Base Or Ply Sheet, Mechanically Fastened	115.78	
		For Up To 10, Add	*9.52*	
		For >10 To 25, Add	*8.27*	

07 52 16 14-0008 Mechanically Fastened, SBS Modified Bitumen Roofing Flashing *(07 52 16 14-0001)*

07 52 16 14-0009	SF	150 Mil, Smooth Surfaced, SBS Modified Bitumen Flashing, Mechanically Fastened	1.70	
07 52 16 14-0010	SF	160 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Mechanically Fastened	1.73	

07 52 16 15 Self-Adhering Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

07 52 16 15-0001 Self-Adhering Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16 15)*

Note: Includes fiberglass and/or polyester reinforcement. Includes removing the release film(s) from the membrane and applying the membrane.

07 52 16 15-0002 Self-Adhering, SBS Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 16 15-0001)*

07 52 16 15-0003	SQ	60 Mil, SBS Modified Bitumen Base Sheet, Self-Adhering	62.71	
		For Up To 10, Add	*7.61*	
		For >10 To 25, Add	*6.12*	
07 52 16 15-0004	SQ	70 Mil, SBS Modified Bitumen Base Sheet, Self-Adhering	66.09	
		For Up To 10, Add	*7.78*	
		For >10 To 25, Add	*6.29*	
07 52 16 15-0005	SQ	120 Mil, SBS Modified Bitumen Base Sheet, Self-Adhering	107.88	
		For Up To 10, Add	*10.21*	
		For >10 To 25, Add	*8.60*	
07 52 16 15-0006	SQ	150 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Self-Adhering	127.70	
		For Up To 10, Add	*11.20*	
		For >10 To 25, Add	*9.59*	
		For Factory Applied White Reflective Surfacing, Add	*52.37*	
07 52 16 15-0007	SQ	160 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Self-Adhering	186.15	
		For Up To 10, Add	*14.12*	
		For >10 To 25, Add	*12.52*	
		For Factory Applied White Reflective Surfacing, Add	*52.37*	

07 52 16 15-0008 Self-Adhering, SBS Modified Bitumen Roofing Flashing *(07 52 16 15-0001)*

07 52 16 15-0009	SF	70 Mil, SBS Modified Bitumen Flashing, Self-Adhering	2.05	
07 52 16 15-0010	SF	150 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Self-Adhering	2.25	
		For Factory Applied White Reflective Surfacing, Add	*0.52*	
07 52 16 15-0011	SF	160 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Self-Adhering	2.83	
		For Factory Applied White Reflective Surfacing, Add	*0.52*	

07 53 Elastomeric Membrane Roofing *(07 50)*

Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.

07 53 16 Chlorosulfonate-Polyethylene Roofing *(07 53)*

07 53 16 00-0001 Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membranes *(07 53 16)*

Note: Includes hot air welding or adhesive bonding of seams.

07 53 16 00-0002	SQ	45 Mil, Single Ply CSPE Roofing Membrane, Fully Adhered Note: Includes adhesive.	272.28	60.15
		For Up To 10, Add	*49.42*	
		For >10 To 25, Add	*37.49*	
		For 15 Year Warranty, Add	*3.00*	
07 53 16 00-0003	SQ	45 Mil, Single Ply CSPE Roofing Membrane, Ballasted Note: Includes ballast.	186.70	30.08
		For Up To 10, Add	*27.24*	
		For >10 To 25, Add	*21.27*	
		For 15 Year Warranty, Add	*3.00*	
07 53 16 00-0004	SQ	45 Mil, Single Ply CSPE Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	208.91	45.11
		For Up To 10, Add	*37.30*	
		For >10 To 25, Add	*28.35*	
		For 15 Year Warranty, Add	*3.00*	

07 53 23 Ethylene-Propylene-Diene-Monomer Roofing *(07 53)*

07 53 23 00-0001 Ethylene Propylene Diene Monomer (EPDM) Roofing Membranes *(07 53 23)*

Note: Includes splicing of seams using adhesive or seam tape. Black ethylene propylene diene monomer (EPDM).

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0002	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted Note: Includes ballast.	145.41	30.08
		For Up To 10, Add	*25.17*	
		For >10 To 25, Add	*19.21*	
		For 15 Year Warranty, Add	*3.00*	
		For Low Slope Fire Rated, Add	*4.21*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*11.36*	
07 53 23 00-0003	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted Note: Includes ballast.	162.60	31.96
		For Up To 10, Add	*27.15*	
		For >10 To 25, Add	*20.81*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*6.00*	
		For 25 Year Warranty, Add	*8.00*	
		For Low Slope Fire Rated, Add	*4.21*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*11.36*	
07 53 23 00-0004	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted Note: Includes ballast.	236.16	33.83
		For Up To 10, Add	*31.95*	
		For >10 To 25, Add	*25.24*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*6.00*	
		For 25 Year Warranty, Add	*8.00*	
		For Low Slope Fire Rated, Add	*4.21*	
07 53 23 00-0005	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%) Note: Includes adhesive and fasteners.	177.55	45.11
		For Up To 10, Add	*35.73*	
		For >10 To 25, Add	*26.78*	
		For 15 Year Warranty, Add	*3.00*	
		For Low Slope Fire Rated, Add	*4.21*	
		For Low VOC Adhesive, Add	*18.80*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*11.36*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*40.15*	
		For Integral Polyester Fleece-Backing, Add	*58.70*	
07 53 23 00-0006	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%) Note: Includes adhesive and fasteners.	194.75	47.00
		For Up To 10, Add	*37.71*	
		For >10 To 25, Add	*28.39*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*6.00*	
		For 25 Year Warranty, Add	*8.00*	
		For Low Slope Fire Rated, Add	*4.21*	
		For Low VOC Adhesive, Add	*18.80*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*11.36*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*40.15*	
		For Integral Polyester Fleece-Backing, Add	*64.87*	
07 53 23 00-0007	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%) Note: Includes adhesive and fasteners.	268.31	48.87
		For Up To 10, Add	*42.51*	
		For >10 To 25, Add	*32.81*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*6.00*	
		For 25 Year Warranty, Add	*8.00*	
		For Low Slope Fire Rated, Add	*4.21*	
		For Low VOC Adhesive, Add	*18.80*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*40.15*	
		For Integral Polyester Fleece-Backing, Add	*71.60*	
07 53 23 00-0008	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered Note: Includes adhesive and fasteners.	234.84	60.15
		For Up To 10, Add	*47.55*	
		For >10 To 25, Add	*35.61*	
		For 15 Year Warranty, Add	*3.00*	
		For Low Slope Fire Rated, Add	*4.21*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*11.36*	
		For Low VOC Adhesive, Add	*46.99*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*40.15*	
		For Integral Polyester Fleece-Backing, Add	*58.70*	
07 53 23 00-0009	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered Note: Includes adhesive and fasteners.	252.03	62.04
		For Up To 10, Add	*49.53*	
		For >10 To 25, Add	*37.22*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*6.00*	
		For 25 Year Warranty, Add	*8.00*	
		For Low Slope Fire Rated, Add	*4.21*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*11.36*	
		For Low VOC Adhesive, Add	*46.99*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*40.15*	
		For Integral Polyester Fleece-Backing, Add	*64.87*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0010	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered Note: Includes adhesive and fasteners.	325.59	63.91
		For Up To 10, Add	*54.33*	
		For >10 To 25, Add	*41.64*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*6.00*	
		For 25 Year Warranty, Add	*8.00*	
		For Low Slope Fire Rated, Add	*4.21*	
		For Low VOC Adhesive, Add	*46.99*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*40.15*	
		For Integral Polyester Fleece-Backing, Add	*71.60*	
07 53 23 00-0011	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	167.50	45.11
		For Up To 10, Add	*35.23*	
		For >10 To 25, Add	*26.28*	
		For 15 Year Warranty, Add	*3.00*	
		For Low Slope Fire Rated, Add	*4.21*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*11.36*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*40.15*	
07 53 23 00-0012	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	184.70	47.00
		For Up To 10, Add	*37.21*	
		For >10 To 25, Add	*27.89*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*6.00*	
		For 25 Year Warranty, Add	*8.00*	
		For Low Slope Fire Rated, Add	*4.21*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*11.36*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*40.15*	
07 53 23 00-0013	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	258.26	48.87
		For Up To 10, Add	*42.01*	
		For >10 To 25, Add	*32.31*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*6.00*	
		For 25 Year Warranty, Add	*8.00*	
		For Low Slope Fire Rated, Add	*4.21*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*40.15*	

07 53 23 00-0014 Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane Accessories *(07 53 23)*

07 53 23 00-0015	SQ	Acrylic, Ethylene Propylene Diene Monomer (EPDM) Roofing Primer, Price Per Coat	39.66	
		For Up To 10, Add	*6.46*	
		For >10 To 25, Add	*4.97*	
07 53 23 00-0016	SQ	Acrylic Elastomeric, Surface Or Base Coating For Ethylene Propylene Diene Monomer (EPDM) Roofing, Price Per Coat Note: 55% solids by volume.	40.89	
		For Up To 10, Add	*6.52*	
		For >10 To 25, Add	*5.03*	
07 53 23 00-0017	EA	Up To 4" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	26.23	7.15
07 53 23 00-0018	EA	>4" To 8" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	35.95	7.15
07 53 23 00-0019	EA	>8" To 13" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	63.99	7.15
07 53 23 00-0020	EA	6" Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Penetration Pocket Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.	84.02	7.89
07 53 23 00-0021	LF	30" Wide, Ethylene Propylene Diene Monomer (EPDM) Walkway Protection Pad Note: Includes factory installed peel and stick adhesive tape.	19.80	4.36
07 53 23 00-0022	SF	Ethylene Propylene Diene Monomer (EPDM) Membrane Base Flashing	3.89	1.13
07 53 23 00-0023	SF	Ethylene Propylene Diene Monomer (EPDM) Membrane Curb Flashing	5.01	1.69

07 53 29 Polyisobutylene Roofing *(07 53)*

07 53 29 00-0001 Polyisobutylene (PIB) Roofing Membranes *(07 53 29)*

Note: Includes integral polyester fleece-backing. Includes splicing of seams using adhesive or seam tape.

07 53 29 00-0002	SQ	100 Mil, Single Ply PIB Roofing Membrane, Ballasted Note: Includes ballast.	277.33	33.83
		For Up To 10, Add	*34.01*	
		For >10 To 25, Add	*27.29*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*6.00*	
		For 25 Year Warranty, Add	*8.00*	
07 53 29 00-0003	SQ	100 Mil, Single Ply PIB Roofing Membrane, Partially Adhered (40%) Note: Includes adhesive.	315.50	48.87
		For Up To 10, Add	*44.87*	
		For >10 To 25, Add	*35.17*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*6.00*	
		For 25 Year Warranty, Add	*8.00*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 29 00-0004	SQ	100 Mil, Single Ply PIB Roofing Membrane, Fully Adhered Note: Includes adhesive.	381.83	63.91
		For Up To 10, Add	*57.14*	
		For >10 To 25, Add	*44.46*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*6.00*	
		For 25 Year Warranty, Add	*8.00*	

07 54 Thermoplastic Membrane Roofing *(07 50)*

Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.

07 54 19 Polyvinyl-Chloride Roofing *(07 54)*

07 54 19 00-0001 Reinforced Polyvinyl Chloride (RPVC) Roofing Membranes *(07 54 19)*

Note: Includes polyester fabric reinforcement and hot air welding of seams. RPVC membranes meet or exceed all of the requirements of ASTM D4434 Type III.

07 54 19 00-0002	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted Note: Includes ballast.	179.56	30.08
		For Up To 10, Add	*26.88*	
		For >10 To 25, Add	*20.91*	
		For 15 Year Warranty, Add	*3.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*40.70*	
07 54 19 00-0003	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted Note: Includes ballast.	204.60	31.96
		For Up To 10, Add	*29.25*	
		For >10 To 25, Add	*22.91*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*6.00*	
		For 25 Year Warranty, Add	*8.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*40.70*	
07 54 19 00-0004	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted Note: Includes ballast.	233.69	32.90
		For Up To 10, Add	*31.27*	
		For >10 To 25, Add	*24.74*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*6.00*	
		For 25 Year Warranty, Add	*8.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*40.70*	
07 54 19 00-0005	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted Note: Includes ballast.	247.39	33.83
		For Up To 10, Add	*32.51*	
		For >10 To 25, Add	*25.80*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*6.00*	
		For 25 Year Warranty, Add	*8.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*40.70*	
07 54 19 00-0006	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered Note: Includes adhesive.	251.81	60.15
		For Up To 10, Add	*48.40*	
		For >10 To 25, Add	*36.46*	
		For 15 Year Warranty, Add	*3.00*	
		For Colors, Add	*26.00*	
		For Low VOC Adhesive, Add	*33.61*	
		For Integral Polyester Fleece-Backing, Add	*40.70*	
07 54 19 00-0007	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered Note: Includes adhesive.	276.86	62.04
		For Up To 10, Add	*50.77*	
		For >10 To 25, Add	*38.46*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*6.00*	
		For 25 Year Warranty, Add	*8.00*	
		For Colors, Add	*26.00*	
		For Low VOC Adhesive, Add	*33.61*	
		For Integral Polyester Fleece-Backing, Add	*40.70*	
07 54 19 00-0008	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered Note: Includes adhesive.	305.94	62.97
		For Up To 10, Add	*52.79*	
		For >10 To 25, Add	*40.29*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*6.00*	
		For 25 Year Warranty, Add	*8.00*	
		For Colors, Add	*26.00*	
		For Low VOC Adhesive, Add	*33.61*	
		For Integral Polyester Fleece-Backing, Add	*40.70*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0009	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered Note: Includes adhesive.	319.64	63.91
		For Up To 10, Add	*54.03*	
		For >10 To 25, Add	*41.35*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*6.00*	
		For 25 Year Warranty, Add	*8.00*	
		For Colors, Add	*26.00*	
		For Low VOC Adhesive, Add	*33.61*	
		For Integral Polyester Fleece-Backing, Add	*40.70*	
07 54 19 00-0010	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	197.67	45.11
		For Up To 10, Add	*36.74*	
		For >10 To 25, Add	*27.79*	
		For 15 Year Warranty, Add	*3.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*40.70*	
07 54 19 00-0011	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	222.71	47.00
		For Up To 10, Add	*39.11*	
		For >10 To 25, Add	*29.79*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*6.00*	
		For 25 Year Warranty, Add	*8.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*40.70*	
07 54 19 00-0012	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	251.79	47.94
		For Up To 10, Add	*41.13*	
		For >10 To 25, Add	*31.61*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*6.00*	
		For 25 Year Warranty, Add	*8.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*40.70*	
07 54 19 00-0013	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	265.50	48.87
		For Up To 10, Add	*42.37*	
		For >10 To 25, Add	*32.67*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*6.00*	
		For 25 Year Warranty, Add	*8.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*40.70*	

07 54 19 00-0014 Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane Accessories *(07 54 19)*

07 54 19 00-0015	SQ	Acrylic, Polyvinyl Chloride (PVC) Roofing Cleaner/Primer, Price Per Coat	39.66	
		For Up To 10, Add	*6.46*	
		For >10 To 25, Add	*4.97*	
07 54 19 00-0016	SQ	Acrylic Elastomeric, Surface Or Base Coating For Polyvinyl Chloride (PVC) Roofing, Price Per Coat Note: 55% solids by volume.	40.89	
		For Up To 10, Add	*6.52*	
		For >10 To 25, Add	*5.03*	
07 54 19 00-0017	EA	Up To 3" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	40.64	6.39
07 54 19 00-0018	EA	>3" To 7" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	56.09	7.15
07 54 19 00-0019	EA	>7" To 12" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	71.11	7.89
07 54 19 00-0020	EA	6" Diameter, Prefabricated Polyvinyl Chloride (PVC) Penetration Pocket Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.	89.35	7.89
07 54 19 00-0021	LF	36" Wide, Polyvinyl Chloride (PVC) Walkway Protection Pad	17.29	4.36
07 54 19 00-0022	SF	Polyvinyl Chloride (PVC) Membrane Base Flashing	4.53	1.13
07 54 19 00-0023	SF	Polyvinyl Chloride (PVC) Membrane Curb Flashing	5.65	1.69
07 54 19 00-0024	SF	Polyvinyl Chloride (PVC) Clad Edge Metal Or Base Flashing Note: 20 Mil polyvinyl chloride (PVC) membrane laminated to 24 gauge galvanized steel.	5.94	1.13

07 54 23 Thermoplastic-Polyolefin Roofing *(07 54)*

07 54 23 00-0001 Thermoplastic Polyolefin (TPO) Roofing Membranes *(07 54 23)*

Note: Includes polyester fabric reinforcement and hot air welding of seams.

07 54 23 00-0002	SQ	45 Mil, Single Ply TPO Roofing Membrane, Fully Adhered Note: Includes adhesive.	227.60	60.15
		For Up To 10, Add	*47.19*	
		For >10 To 25, Add	*35.25*	
		For 15 Year Warranty, Add	*3.00*	
		For Low VOC Adhesive, Add	*46.99*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 23 00-0003	SQ	60 Mil, Single Ply TPO Roofing Membrane, Fully Adhered Note: Includes adhesive.	241.96	62.04
		For Up To 10, Add	*49.03*	
		For >10 To 25, Add	*36.72*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*6.00*	
		For 25 Year Warranty, Add	*8.00*	
		For Low VOC Adhesive, Add	*46.99*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
07 54 23 00-0004	SQ	80 Mil, Single Ply TPO Roofing Membrane, Fully Adhered Note: Includes adhesive.	300.16	63.91
		For Up To 10, Add	*53.05*	
		For >10 To 25, Add	*40.37*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*6.00*	
		For 25 Year Warranty, Add	*8.00*	
		For Low VOC Adhesive, Add	*46.99*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
07 54 23 00-0005	SQ	45 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	156.28	45.11
		For Up To 10, Add	*34.67*	
		For >10 To 25, Add	*25.72*	
		For 15 Year Warranty, Add	*3.00*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
07 54 23 00-0006	SQ	60 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	170.64	47.00
		For Up To 10, Add	*36.51*	
		For >10 To 25, Add	*27.18*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*6.00*	
		For 25 Year Warranty, Add	*8.00*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
07 54 23 00-0007	SQ	80 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	228.84	48.87
		For Up To 10, Add	*40.54*	
		For >10 To 25, Add	*30.84*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*6.00*	
		For 25 Year Warranty, Add	*8.00*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	

07 54 23 00-0008 Thermoplastic Polyolefin (TPO) Roofing Membrane Accessories *(07 54 23)*

07 54 23 00-0009	SQ	Acrylic, TPO Roofing Primer, Price Per Coat	46.43	
		For Up To 10, Add	*6.80*	
		For >10 To 25, Add	*5.31*	
07 54 23 00-0010	SQ	Acrylic Elastomeric, Surface Or Base Coating For TPO Roofing, Price Per Coat Note: 55% solids by volume.	40.89	
		For Up To 10, Add	*6.52*	
		For >10 To 25, Add	*5.03*	
		For Tan Or Gray Color, Add	*1.29*	
07 54 23 00-0011	EA	Up To 3" Pipe Diameter, Prefabricated TPO Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	35.47	6.39
07 54 23 00-0012	EA	>3" To 8" Pipe Diameter, Prefabricated TPO Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	38.41	7.15
07 54 23 00-0013	EA	6" Diameter, Prefabricated TPO Penetration Pocket Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.	67.82	7.89
07 54 23 00-0014	LF	30" Wide, TPO Walkway Protection Pad	17.10	4.36
07 54 23 00-0015	SF	TPO Membrane Base Flashing	4.70	1.13
07 54 23 00-0016	SF	TPO Curb Flashing	4.42	1.13
		For Tan Or Gray Color, Add	*0.05*	
07 54 23 00-0017	SF	TPO Clad Edge Metal Or Base Flashing Note: 20 Mil TPO membrane laminated to 24 gauge galvanized steel.	6.65	1.13

07 56 Fluid-Applied Roofing *(07 50)*

07 56 00 00-0001 Neoprene Hypalon Liquid Roofing, 5 Coats *(07 56)*

07 56 00 00-0002	SQ	60 Mil 5 Coat Spray-on Neoprene Hypalon Liquid Roofing	783.42	97.19
		For Each Additional Coat, Add	*117.51*	

07 56 00 00-0003 Vinyl Spray Liquid Roofing *(07 56)*

07 56 00 00-0004	SQ	2 Mil Vinyl Liquid Roofing	716.54	102.42
07 56 00 00-0005	SQ	4 Mil Vinyl Liquid Roofing	801.65	114.39

07 56 00 00-0006 Silicone Elastomeric Liquid Roofing *(07 56)*

07 56 00 00-0007	SQ	65% Solids, Silicone Elastomeric Spray-on Roofing, 3 Coats, 16 Mil Per Coat	242.52	58.69
07 56 00 00-0008	SQ	65% Solids, Silicone Elastomeric Rolled-on Roofing, 3 Coats, 16 Mil Per Coat	299.41	58.69
07 56 00 00-0009	SQ	65% Solids, Silicone Elastomeric Brushed-on Roofing, 3 Coats, 16 Mil Per Coat	342.18	58.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 56 00 00-0010		Rubberized Acrylic Roof Coating, Sprayed On *(07 56)* Note: As manufactured by Tru-Co, Inc.		
07 56 00 00-0011		Rubberized Acrylic Roof Coating, Sprayed On Assemblies *(07 56 00 00-0010)*		
07 56 00 00-0012	SQ	Elastomeric Installation Over Urethane Foam	544.30	
07 56 00 00-0013	SQ	Elastomeric Installation Over Decks	558.81	
07 56 00 00-0014	SQ	Elastomeric Installation Over Exterior, Waterproofing	226.23	
07 56 00 00-0015	SQ	Installation Over Existing Tar (Asphalt) And Gravel Roof	709.22	
07 56 00 00-0016	SQ	Installation Over New Construction, Waterproofing	399.07	
07 56 00 00-0017	SQ	Installation Over Mobile Home	262.89	
07 56 00 00-0018	SQ	Installation Over Corrugated Metal Roofs	308.84	
07 56 00 00-0019	SQ	Installation Over Granulate Mineral Surface, BUR Cap Sheet (Semi-Smooth) Surface	590.23	
07 56 00 00-0020	SQ	4" Acrylic Gel With Fabric (Apply At Edges)	2.08	
07 56 00 00-0021	SQ	6" Acrylic Gel With Fabric (Apply At Edges)	2.93	
07 56 00 00-0022		Polyurethane Roof Coating, Sprayed On Assemblies *(07 56)* Note: Includes powerwash, primer, base coat, polyester reinforcement, top coat and finish coat.		
07 56 00 00-0023	SF	Up To 50 SF White (High-Albedo) Polyurethane Coating	8.92	
07 56 00 00-0024	SF	>50 To 100 SF White (High-Albedo) Polyurethane Coating	8.63	
07 56 00 00-0025	SF	>100 To 500 SF White (High-Albedo) Polyurethane Coating	8.34	
07 56 00 00-0026	SEA	>500 To 1,000 SF White (High-Albedo) Polyurethane Coating	7.98	
07 56 00 00-0027		Elastomeric Asphalt/Urethane Liquid Roofing Membrane *(07 56)*		
07 56 00 00-0028	SQ	90 Mil, Elastomeric Asphalt/Urethane Liquid Roofing Membrane Note: Includes applying a 30 mil base coat, rolling in a stichbonded polyester reinforcing scrim and applying a 60 mil second coat.	682.96	58.69

07 57 Coated Foamed Roofing *(07 50)*

07 57 13 Sprayed Polyurethane Foam Roofing *(07 57)*

Note: Includes power washing. Excludes ballast removal and priming metal surfaces. Excludes walkways.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 57 13 00-0001		Sprayed Polyurethane Foam Roofing Systems *(07 57 13)*		
07 57 13 00-0002		Sprayed Polyurethane Foam Roofing Systems With Acrylic Elastomeric Coating *(07 57 13 00-0001)*		
07 57 13 00-0003		Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating *(07 57 13 00-0002)* Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 5 year warranty.		
07 57 13 00-0004	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	232.89	33.03
07 57 13 00-0005	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	328.39	37.75
07 57 13 00-0006	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	433.52	42.47
07 57 13 00-0007	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	519.39	47.19
07 57 13 00-0008	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	614.89	51.91
07 57 13 00-0009	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	710.38	56.63
07 57 13 00-0010		Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating *(07 57 13 00-0002)* Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 10 year warranty.		
07 57 13 00-0011	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	240.38	33.03
07 57 13 00-0012	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	335.88	37.75
07 57 13 00-0013	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	431.38	42.47
07 57 13 00-0014	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	526.88	47.19
07 57 13 00-0015	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	622.38	51.91
07 57 13 00-0016	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	717.87	56.63
07 57 13 00-0017		Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating *(07 57 13 00-0002)* Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 15 year warranty.		
07 57 13 00-0018	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	258.57	33.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 57 13 00-0019	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	350.87	37.75
07 57 13 00-0020	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	446.36	42.47
07 57 13 00-0021	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	581.89	47.19
07 57 13 00-0022	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	685.53	51.91
07 57 13 00-0023	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	789.16	56.63

07 57 13 00-0024 Sprayed Polyurethane Foam Roofing Systems With Silicone Elastomeric Coating *(07 57 13 00-0001)*

07 57 13 00-0025 Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating *(07 57 13 00-0024)*

Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 5 year warranty.

07 57 13 00-0026	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	263.93	33.03
07 57 13 00-0027	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	367.56	37.75
07 57 13 00-0028	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	471.19	42.47
07 57 13 00-0029	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	574.83	47.19
07 57 13 00-0030	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	678.46	51.91
07 57 13 00-0031	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	782.09	56.63

07 57 13 00-0032 Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating *(07 57 13 00-0024)*

Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 10 year warranty.

07 57 13 00-0033	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	274.52	33.03
07 57 13 00-0034	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	378.16	37.75
07 57 13 00-0035	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	481.79	42.47
07 57 13 00-0036	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	585.42	47.19
07 57 13 00-0037	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	689.06	51.91
07 57 13 00-0038	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	792.69	56.63

07 57 13 00-0039 Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating *(07 57 13 00-0024)*

Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 15 year warranty.

07 57 13 00-0040	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	282.76	33.03
07 57 13 00-0041	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	386.40	37.75
07 57 13 00-0042	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	490.03	42.47
07 57 13 00-0043	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	593.66	47.19
07 57 13 00-0044	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	697.30	51.91
07 57 13 00-0045	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	800.93	56.63

07 58 Roll Roofing *(07 50)*

07 58 00 00-0001 Prepared Roll Roofing *(07 58)*

Note: Fastened with roofing nails and roofing cement. Includes fasteners and adhesive. Excludes warranty. See CSI section 07 51 13 00-0033 for underlayment.

07 58 00 00-0002	SQ	Granule Surfaced, 90 LB, Asphalt Saturated Organic Felt Roll Roofing	117.72	21.24

07 59 Membrane Roofing Accessories *(07 50)*

07 59 00 00-0001 Membrane Roofing Accessories *(07 59)*

07 59 00 00-0002	LF	Roofing Membrane Termination Bar Note: Includes fasteners and caulking.	3.02	1.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 60 Flashing And Sheet Metal *(07)*

Note: Includes placement of materials on roof up to 2-1/2 stories.

07 62 Sheet Metal Flashing And Trim *(07 60)*

07 62 00 00-0001 Lead Flashing And Trim *(07 62)*

07 62 00 00-0002	SF	2.5 LB/SF Sheet Lead Flashing	16.67	3.88
07 62 00 00-0003	SF	4 LB/SF Sheet Lead Flashing	21.47	3.88

07 62 00 00-0004 Copper Flashing And Trim *(07 62)*

07 62 00 00-0005 Copper Flashing And Trim *(07 62 00 00-0004)*

07 62 00 00-0006	SF	16 Ounce, 0.021" Thick, Copper Flashing And Trim	15.05	3.79
		For >500 To 2,000, Deduct	*-2.11*	
		For >2,000, Deduct	*-2.48*	
		For Copper Valley For Steep Slope Roofing, Add	*1.50*	
		For Wrap Around Window Panning, Add	*7.50*	
07 62 00 00-0007	SF	20 Ounce, 0.027" Thick, Copper Flashing And Trim	15.58	3.88
		For >500 To 2,000, Deduct	*-2.18*	
		For >2,000, Deduct	*-2.57*	
		For Copper Valley For Steep Slope Roofing, Add	*1.57*	
		For Wrap Around Window Panning, Add	*7.84*	
07 62 00 00-0008	SF	24 Ounce, 0.032" Thick, Copper Flashing And Trim	17.49	4.14
		For >500 To 2,000, Deduct	*-2.44*	
		For >2,000, Deduct	*-2.90*	
		For Copper Valley For Steep Slope Roofing, Add	*1.64*	
		For Wrap Around Window Panning, Add	*8.21*	
07 62 00 00-0009	SF	32 Ounce, 0.043" Thick, Copper Flashing And Trim	21.00	4.31
		For >500 To 2,000, Deduct	*-2.90*	
		For >2,000, Deduct	*-3.52*	
		For Copper Valley For Steep Slope Roofing, Add	*1.72*	
		For Wrap Around Window Panning, Add	*8.62*	

07 62 00 00-0010 Stainless Steel Flashing And Trim *(07 62)*

07 62 00 00-0011 Stainless Steel Flashing And Trim *(07 62 00 00-0010)*

07 62 00 00-0012	SF	32 Gauge, 0.010" Thick, Stainless Steel Flashing And Trim	7.79	2.07
		For Wrap Around Window Panning, Add	*5.32*	
		For Mechanically Keyed Flashing, Add	*0.99*	
07 62 00 00-0013	SF	28 Gauge, 0.015" Thick, Stainless Steel Flashing And Trim	9.02	2.42
		For Wrap Around Window Panning, Add	*5.32*	
		For Mechanically Keyed Flashing, Add	*1.48*	
07 62 00 00-0014	SF	26 Gauge, 0.018" Thick, Stainless Steel Flashing And Trim	10.30	2.85
		For Wrap Around Window Panning, Add	*5.68*	
		For Mechanically Keyed Flashing, Add	*1.85*	
07 62 00 00-0015	SF	24 Gauge, 0.025" Thick, Stainless Steel Flashing And Trim	12.15	3.02
		For Wrap Around Window Panning, Add	*5.99*	
		For Mechanically Keyed Flashing, Add	*2.46*	

07 62 00 00-0016 Stainless Steel Drip Edge *(07 62 00 00-0010)*

Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.

07 62 00 00-0017 26 Gauge, Stainless Steel Drip Edge *(07 62 00 00-0016)*

07 62 00 00-0018	LF	Up To 5" Girth, 26 Gauge, Stainless Steel Drip Edge	4.34	0.70
07 62 00 00-0019	LF	>5" To 7" Girth, 26 Gauge, Stainless Steel Drip Edge	5.31	0.70
07 62 00 00-0020	LF	>7" To 9" Girth, 26 Gauge, Stainless Steel Drip Edge	6.04	0.70
07 62 00 00-0021	LF	>9" To 12" Girth, 26 Gauge, Stainless Steel Drip Edge	7.25	0.70
07 62 00 00-0022	LF	>12" To 15" Girth, 26 Gauge, Stainless Steel Drip Edge	9.20	0.70

07 62 00 00-0023 24 Gauge, Stainless Steel Drip Edge *(07 62 00 00-0016)*

07 62 00 00-0024	LF	Up To 5" Girth, 24 Gauge, Stainless Steel Drip Edge	5.25	0.70
07 62 00 00-0025	LF	>5" To 7" Girth, 24 Gauge, Stainless Steel Drip Edge	6.53	0.70
07 62 00 00-0026	LF	>7" To 9" Girth, 24 Gauge, Stainless Steel Drip Edge	7.50	0.70
07 62 00 00-0027	LF	>9" To 12" Girth, 24 Gauge, Stainless Steel Drip Edge	9.09	0.70
07 62 00 00-0028	LF	>12" To 15" Girth, 24 Gauge, Stainless Steel Drip Edge	11.64	0.70

07 62 00 00-0029 22 Gauge, Stainless Steel Drip Edge *(07 62 00 00-0016)*

07 62 00 00-0030	LF	Up To 5" Girth, 22 Gauge, Stainless Steel Drip Edge	6.33	0.70
07 62 00 00-0031	LF	>5" To 7" Girth, 22 Gauge, Stainless Steel Drip Edge	7.97	0.70
07 62 00 00-0032	LF	>7" To 9" Girth, 22 Gauge, Stainless Steel Drip Edge	9.20	0.70
07 62 00 00-0033	LF	>9" To 12" Girth, 22 Gauge, Stainless Steel Drip Edge	11.25	0.70
07 62 00 00-0034	LF	>12" To 15" Girth, 22 Gauge, Stainless Steel Drip Edge	14.52	0.70

07 62 00 00-0035 Aluminum Flashing And Trim *(07 62)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 00 00-0036		**Aluminum Flashing And Trim** *(07 62 00 00-0035)*		
07 62 00 00-0037	SF	0.013" Thick, Mill Finish, Aluminum Flashing And Trim	8.42	2.68
		For Baked Aluminum Colors, Add	*0.25*	
		For Wrap Around Window Panning, Add	*5.95*	
07 62 00 00-0038	SF	0.016" Thick, Mill Finish, Aluminum Flashing And Trim	8.96	2.68
		For Baked Aluminum Colors, Add	*0.30*	
		For Wrap Around Window Panning, Add	*5.95*	
07 62 00 00-0039	SF	0.019" Thick, Mill Finish, Aluminum Flashing And Trim	9.39	2.68
		For Baked Aluminum Colors, Add	*0.34*	
		For Wrap Around Window Panning, Add	*5.95*	
07 62 00 00-0040	SF	0.024" Thick, Mill Finish, Aluminum Flashing And Trim	10.01	2.68
		For Baked Aluminum Colors, Add	*0.41*	
		For Wrap Around Window Panning, Add	*5.95*	
07 62 00 00-0041	SF	0.032" Thick, Mill Finish, Aluminum Flashing And Trim	10.87	2.68
		For Baked Aluminum Colors, Add	*0.49*	
		For Wrap Around Window Panning, Add	*5.95*	
07 62 00 00-0042	SF	0.040" Thick, Mill Finish, Aluminum Flashing And Trim	11.40	2.68
		For Baked Aluminum Colors, Add	*0.55*	
		For Wrap Around Window Panning, Add	*5.95*	
07 62 00 00-0043	SF	0.050" Thick, Mill Finish, Aluminum Flashing And Trim	11.83	2.68
		For Baked Aluminum Colors, Add	*0.59*	
		For Wrap Around Window Panning, Add	*5.95*	
07 62 00 00-0044		**Aluminum Drip Edge** *(07 62 00 00-0035)*		
		Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 00 00-0045		**KYNAR 500® Finish, Aluminum Drip Edge** *(07 62 00 00-0044)*		
07 62 00 00-0046		**0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge** *(07 62 00 00-0045)*		
07 62 00 00-0047	LF	Up To 5" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	3.16	0.70
07 62 00 00-0048	LF	>5" To 7" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	3.79	0.70
07 62 00 00-0049	LF	>7" To 9" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	4.16	0.70
07 62 00 00-0050	LF	>9" To 12" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	4.90	0.70
07 62 00 00-0051	LF	>12" To 15" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	6.22	0.70
07 62 00 00-0052		**0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge** *(07 62 00 00-0045)*		
07 62 00 00-0053	LF	Up To 5" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	3.37	0.70
07 62 00 00-0054	LF	>5" To 7" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	4.02	0.70
07 62 00 00-0055	LF	>7" To 9" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	4.51	0.70
07 62 00 00-0056	LF	>9" To 12" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	5.32	0.70
07 62 00 00-0057	LF	>12" To 15" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	6.62	0.70
07 62 00 00-0058		**0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge** *(07 62 00 00-0045)*		
07 62 00 00-0059	LF	Up To 5" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	3.58	0.70
07 62 00 00-0060	LF	>5" To 7" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	4.30	0.70
07 62 00 00-0061	LF	>7" To 9" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	4.84	0.70
07 62 00 00-0062	LF	>9" To 12" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	5.74	0.70
07 62 00 00-0063	LF	>12" To 15" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	7.17	0.70
07 62 00 00-0064		**0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge** *(07 62 00 00-0045)*		
07 62 00 00-0065	LF	Up To 5" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	4.00	0.70
07 62 00 00-0066	LF	>5" To 7" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	4.85	0.70
07 62 00 00-0067	LF	>7" To 9" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	5.50	0.70
07 62 00 00-0068	LF	>9" To 12" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	6.57	0.70
07 62 00 00-0069	LF	>12" To 15" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	8.29	0.70
07 62 00 00-0070		**0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge** *(07 62 00 00-0045)*		
07 62 00 00-0071	LF	Up To 5" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	4.13	0.70
07 62 00 00-0072	LF	>5" To 7" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	5.06	0.70
07 62 00 00-0073	LF	>7" To 9" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	5.72	0.70
07 62 00 00-0074	LF	>9" To 12" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	6.85	0.70
07 62 00 00-0075	LF	>12" To 15" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	8.66	0.70
07 62 00 00-0076		**0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge** *(07 62 00 00-0045)*		
07 62 00 00-0077	LF	Up To 5" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	4.62	0.70
07 62 00 00-0078	LF	>5" To 7" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	5.69	0.70
07 62 00 00-0079	LF	>7" To 9" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	6.49	0.70
07 62 00 00-0080	LF	>9" To 12" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	7.82	0.70
07 62 00 00-0081	LF	>12" To 15" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	9.96	0.70
07 62 00 00-0082		**0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge** *(07 62 00 00-0045)*		
07 62 00 00-0083	LF	Up To 5" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	5.32	0.70
07 62 00 00-0084	LF	>5" To 7" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	6.62	0.70
07 62 00 00-0085	LF	>7" To 9" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	7.59	0.70

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 00 00-0086	LF	>9" To 12" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	9.22	0.70
07 62 00 00-0087	LF	>12" To 15" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	11.81	0.70
07 62 00 00-0088		**0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge** *(07 62 00 00-0045)*		
07 62 00 00-0089	LF	Up To 5" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	6.15	0.70
07 62 00 00-0090	LF	>5" To 7" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	7.73	0.70
07 62 00 00-0091	LF	>7" To 9" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	8.91	0.70
07 62 00 00-0092	LF	>9" To 12" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	10.89	0.70
07 62 00 00-0093	LF	>12" To 15" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	14.04	0.70
07 62 00 00-0094		**Mill Finish, Aluminum Drip Edge** *(07 62 00 00-0044)*		
07 62 00 00-0095		**0.016" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 00 00-0094)*		
07 62 00 00-0096	LF	Up To 5" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	2.62	0.70
07 62 00 00-0097	LF	>5" To 7" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	3.05	0.70
07 62 00 00-0098	LF	>7" To 9" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	3.31	0.70
07 62 00 00-0099	LF	>9" To 12" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	3.82	0.70
07 62 00 00-0100	LF	>12" To 15" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	4.73	0.70
07 62 00 00-0101		**0.019" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 00 00-0094)*		
07 62 00 00-0102	LF	Up To 5" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	2.76	0.70
07 62 00 00-0103	LF	>5" To 7" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	3.21	0.70
07 62 00 00-0104	LF	>7" To 9" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	3.55	0.70
07 62 00 00-0105	LF	>9" To 12" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	4.11	0.70
07 62 00 00-0106	LF	>12" To 15" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	5.00	0.70
07 62 00 00-0107		**0.025" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 00 00-0094)*		
07 62 00 00-0108	LF	Up To 5" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	2.91	0.70
07 62 00 00-0109	LF	>5" To 7" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	3.40	0.70
07 62 00 00-0110	LF	>7" To 9" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	3.78	0.70
07 62 00 00-0111	LF	>9" To 12" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	4.40	0.70
07 62 00 00-0112	LF	>12" To 15" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	5.39	0.70
07 62 00 00-0113		**0.032" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 00 00-0094)*		
07 62 00 00-0114	LF	Up To 5" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	3.20	0.70
07 62 00 00-0115	LF	>5" To 7" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	3.79	0.70
07 62 00 00-0116	LF	>7" To 9" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	4.24	0.70
07 62 00 00-0117	LF	>9" To 12" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	4.97	0.70
07 62 00 00-0118	LF	>12" To 15" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	6.16	0.70
07 62 00 00-0119		**0.040" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 00 00-0094)*		
07 62 00 00-0120	LF	Up To 5" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	3.29	0.70
07 62 00 00-0121	LF	>5" To 7" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	3.93	0.70
07 62 00 00-0122	LF	>7" To 9" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	4.39	0.70
07 62 00 00-0123	LF	>9" To 12" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	5.16	0.70
07 62 00 00-0124	LF	>12" To 15" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	6.41	0.70
07 62 00 00-0125		**0.050" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 00 00-0094)*		
07 62 00 00-0126	LF	Up To 5" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	3.63	0.70
07 62 00 00-0127	LF	>5" To 7" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	4.36	0.70
07 62 00 00-0128	LF	>7" To 9" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	4.92	0.70
07 62 00 00-0129	LF	>9" To 12" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	5.84	0.70
07 62 00 00-0130	LF	>12" To 15" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	7.31	0.70
07 62 00 00-0131		**0.063" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 00 00-0094)*		
07 62 00 00-0132	LF	Up To 5" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	4.11	0.70
07 62 00 00-0133	LF	>5" To 7" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	5.00	0.70
07 62 00 00-0134	LF	>7" To 9" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	5.68	0.70
07 62 00 00-0135	LF	>9" To 12" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	6.80	0.70
07 62 00 00-0136	LF	>12" To 15" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	8.59	0.70
07 62 00 00-0137		**0.080" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 00 00-0094)*		
07 62 00 00-0138	LF	Up To 5" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	4.68	0.70
07 62 00 00-0139	LF	>5" To 7" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	5.77	0.70
07 62 00 00-0140	LF	>7" To 9" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	6.59	0.70
07 62 00 00-0141	LF	>9" To 12" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	7.95	0.70
07 62 00 00-0142	LF	>12" To 15" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	10.12	0.70
07 62 00 00-0143		**Clear Anodized Finish, Aluminum Drip Edge** *(07 62 00 00-0044)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 00 00-0144		**0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 00 00-0143)*		
07 62 00 00-0145	LF	Up To 5" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	3.26	0.70
07 62 00 00-0146	LF	>5" To 7" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	3.93	0.70
07 62 00 00-0147	LF	>7" To 9" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	4.32	0.70
07 62 00 00-0148	LF	>9" To 12" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	5.11	0.70
07 62 00 00-0149	LF	>12" To 15" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	6.51	0.70
07 62 00 00-0150		**0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 00 00-0143)*		
07 62 00 00-0151	LF	Up To 5" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	3.49	0.70
07 62 00 00-0152	LF	>5" To 7" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	4.17	0.70
07 62 00 00-0153	LF	>7" To 9" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	4.69	0.70
07 62 00 00-0154	LF	>9" To 12" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	5.55	0.70
07 62 00 00-0155	LF	>12" To 15" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	6.93	0.70
07 62 00 00-0156		**0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 00 00-0143)*		
07 62 00 00-0157	LF	Up To 5" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	3.71	0.70
07 62 00 00-0158	LF	>5" To 7" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	4.47	0.70
07 62 00 00-0159	LF	>7" To 9" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	5.05	0.70
07 62 00 00-0160	LF	>9" To 12" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	5.99	0.70
07 62 00 00-0161	LF	>12" To 15" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	7.52	0.70
07 62 00 00-0162		**0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 00 00-0143)*		
07 62 00 00-0163	LF	Up To 5" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	4.15	0.70
07 62 00 00-0164	LF	>5" To 7" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	5.06	0.70
07 62 00 00-0165	LF	>7" To 9" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	5.75	0.70
07 62 00 00-0166	LF	>9" To 12" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	6.88	0.70
07 62 00 00-0167	LF	>12" To 15" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	8.70	0.70
07 62 00 00-0168		**0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 00 00-0143)*		
07 62 00 00-0169	LF	Up To 5" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	4.30	0.70
07 62 00 00-0170	LF	>5" To 7" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	5.28	0.70
07 62 00 00-0171	LF	>7" To 9" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	5.98	0.70
07 62 00 00-0172	LF	>9" To 12" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	7.17	0.70
07 62 00 00-0173	LF	>12" To 15" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	9.09	0.70
07 62 00 00-0174		**0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 00 00-0143)*		
07 62 00 00-0175	LF	Up To 5" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	4.81	0.70
07 62 00 00-0176	LF	>5" To 7" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	5.94	0.70
07 62 00 00-0177	LF	>7" To 9" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	6.79	0.70
07 62 00 00-0178	LF	>9" To 12" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	8.21	0.70
07 62 00 00-0179	LF	>12" To 15" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	10.47	0.70
07 62 00 00-0180		**0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 00 00-0143)*		
07 62 00 00-0181	LF	Up To 5" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	5.55	0.70
07 62 00 00-0182	LF	>5" To 7" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	6.93	0.70
07 62 00 00-0183	LF	>7" To 9" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	7.96	0.70
07 62 00 00-0184	LF	>9" To 12" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	9.68	0.70
07 62 00 00-0185	LF	>12" To 15" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	12.44	0.70
07 62 00 00-0186		**0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 00 00-0143)*		
07 62 00 00-0187	LF	Up To 5" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	6.44	0.70
07 62 00 00-0188	LF	>5" To 7" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	8.11	0.70
07 62 00 00-0189	LF	>7" To 9" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	9.36	0.70
07 62 00 00-0190	LF	>9" To 12" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	11.45	0.70
07 62 00 00-0191	LF	>12" To 15" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	14.80	0.70
07 62 00 00-0192		**Steel Flashing And Trim** *(07 62)*		
07 62 00 00-0193		**Galvanized Steel Flashing And Trim** *(07 62 00 00-0192)*		
07 62 00 00-0194	SF	26 Gauge, Galvanized Steel Flashing	10.55	2.76
		For Wrap Around Window Panning, Add	*5.99*	
07 62 00 00-0195	SF	24 Gauge, Galvanized Steel Flashing	10.91	2.76
		For Wrap Around Window Panning, Add	*5.99*	
07 62 00 00-0196		**Galvanized Steel Drip Edge** *(07 62 00 00-0192)* Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 00 00-0197		**Galvanized Steel Drip Edge** *(07 62 00 00-0196)*		
07 62 00 00-0198		**26 Gauge, Galvanized Steel Drip Edge** *(07 62 00 00-0197)*		
07 62 00 00-0199	LF	Up To 5" Girth, 26 Gauge, Galvanized Steel Drip Edge	2.97	0.70

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 00 00-0200	LF	>5" To 7" Girth, 26 Gauge, Galvanized Steel Drip Edge	3.50	0.70
07 62 00 00-0201	LF	>7" To 9" Girth, 26 Gauge, Galvanized Steel Drip Edge	3.88	0.70
07 62 00 00-0202	LF	>9" To 12" Girth, 26 Gauge, Galvanized Steel Drip Edge	4.52	0.70
07 62 00 00-0203	LF	>12" To 15" Girth, 26 Gauge, Galvanized Steel Drip Edge	5.55	0.70
07 62 00 00-0204		24 Gauge, Galvanized Steel Drip Edge *(07 62 00 00-0197)*		
07 62 00 00-0205	LF	Up To 5" Girth, 24 Gauge, Galvanized Steel Drip Edge	3.20	0.70
07 62 00 00-0206	LF	>5" To 7" Girth, 24 Gauge, Galvanized Steel Drip Edge	3.81	0.70
07 62 00 00-0207	LF	>7" To 9" Girth, 24 Gauge, Galvanized Steel Drip Edge	4.25	0.70
07 62 00 00-0208	LF	>9" To 12" Girth, 24 Gauge, Galvanized Steel Drip Edge	4.99	0.70
07 62 00 00-0209	LF	>12" To 15" Girth, 24 Gauge, Galvanized Steel Drip Edge	6.17	0.70
07 62 00 00-0210		KYNAR 500® Finish, Galvanized Steel Drip Edge *(07 62 00 00-0196)*		
07 62 00 00-0211		26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge *(07 62 00 00-0210)*		
07 62 00 00-0212	LF	Up To 5" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	3.67	0.70
07 62 00 00-0213	LF	>5" To 7" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	4.44	0.70
07 62 00 00-0214	LF	>7" To 9" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	4.98	0.70
07 62 00 00-0215	LF	>9" To 12" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	5.92	0.70
07 62 00 00-0216	LF	>12" To 15" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	7.41	0.70
07 62 00 00-0217		24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge *(07 62 00 00-0210)*		
07 62 00 00-0218	LF	Up To 5" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	4.01	0.70
07 62 00 00-0219	LF	>5" To 7" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	4.89	0.70
07 62 00 00-0220	LF	>7" To 9" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	5.52	0.70
07 62 00 00-0221	LF	>9" To 12" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	6.59	0.70
07 62 00 00-0222	LF	>12" To 15" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	8.31	0.70

07 63 Sheet Metal Roofing Specialties *(07 60)*

07 63 00 00-0001 Pitch Pockets *(07 63)*

Note: Cut into deck, filled with non-shrink grout, includes blocking.

07 63 00 00-0002 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pockets *(07 63 00 00-0001)*

07 63 00 00-0003	EA	4" x 4" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	47.49
		For Pourable Sealer Filled, Add	*22.31*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*11.16*
07 63 00 00-0004	EA	6" x 6" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	53.46
		For Pourable Sealer Filled, Add	*50.21*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*25.12*
07 63 00 00-0005	EA	8" x 8" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	61.02
		For Pourable Sealer Filled, Add	*89.25*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*44.53*
07 63 00 00-0006	EA	8" x 10" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	65.64
		For Pourable Sealer Filled, Add	*111.56*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*55.82*
07 63 00 00-0007	EA	8" x 12" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	69.64
		For Pourable Sealer Filled, Add	*133.87*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*66.94*
07 63 00 00-0008	SF	24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	76.28
		For Pourable Sealer Filled, Add	*200.80*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*100.18*

07 63 00 00-0009 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pockets *(07 63 00 00-0001)*

07 63 00 00-0010	EA	4" x 4" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	67.65
		For Pourable Sealer Filled, Add	*22.31*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*11.16*
07 63 00 00-0011	EA	6" x 6" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	77.01
		For Pourable Sealer Filled, Add	*50.21*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*25.12*
07 63 00 00-0012	EA	8" x 8" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	88.75
		For Pourable Sealer Filled, Add	*89.25*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*44.53*
07 63 00 00-0013	EA	8" x 10" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	96.30
		For Pourable Sealer Filled, Add	*111.56*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*55.82*
07 63 00 00-0014	EA	8" x 12" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	101.31
		For Pourable Sealer Filled, Add	*133.87*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*66.94*
07 63 00 00-0015	SF	16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	109.99
		For Pourable Sealer Filled, Add	*200.80*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*100.18*

07 63 00 00-0016 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pockets *(07 63 00 00-0001)*

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		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 63 00 00-0017	EA	4" x 4" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	58.89	
		For Pourable Sealer Filled, Add	*22.31*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*11.16*	
07 63 00 00-0018	EA	6" x 6" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	66.32	
		For Pourable Sealer Filled, Add	*50.21*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*25.12*	
07 63 00 00-0019	EA	8" x 8" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	72.63	
		For Pourable Sealer Filled, Add	*89.25*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*44.53*	
07 63 00 00-0020	EA	8" x 10" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	77.02	
		For Pourable Sealer Filled, Add	*111.56*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*55.82*	
07 63 00 00-0021	EA	8" x 12" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	80.73	
		For Pourable Sealer Filled, Add	*133.87*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*66.94*	
07 63 00 00-0022	SF	24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	86.61	
		For Pourable Sealer Filled, Add	*200.80*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*100.18*	

07 63 00 00-0023 Clean, Repair And Refill Existing Pitch Pockets With Non-Shrink Grout *(07 63 00 00-0001)*

Note: Includes removing existing filler and refilling with non-shrink grout.

07 63 00 00-0024	EA	Clean, Repair And Refill Existing 4" x 4" Pitch Pocket With Non-Shrink Grout	43.52	
		For Pourable Sealer Filled, Add	*22.31*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*11.16*	
07 63 00 00-0025	EA	Clean, Repair And Refill Existing 6" x 6" Pitch Pocket With Non-Shrink Grout	46.25	
		For Pourable Sealer Filled, Add	*50.21*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*25.12*	
07 63 00 00-0026	EA	Clean, Repair And Refill Existing 8" x 8" Pitch Pocket With Non-Shrink Grout	49.51	
		For Pourable Sealer Filled, Add	*89.25*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*44.53*	
07 63 00 00-0027	EA	Clean, Repair And Refill Existing 8" x 10" Pitch Pocket With Non-Shrink Grout	51.97	
		For Pourable Sealer Filled, Add	*111.56*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*55.82*	
07 63 00 00-0028	EA	Clean, Repair And Refill Existing 8" x 12" Pitch Pocket With Non-Shrink Grout	54.43	
		For Pourable Sealer Filled, Add	*133.87*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*66.94*	
07 63 00 00-0029	SF	Clean, Repair And Refill Existing Pitch Pocket With Non-Shrink Grout	59.00	
		For Pourable Sealer Filled, Add	*200.80*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*100.18*	

07 63 00 00-0030 Lead Pipe Flashing For Roofs *(07 63)*

Note: Includes 6" skirt base.

07 63 00 00-0031	EA	1-1/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3/4" Pipe	68.47	21.38
07 63 00 00-0032	EA	1-1/2" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 1" Pipe	68.47	21.38
07 63 00 00-0033	EA	2-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 2" Pipe	82.88	21.38
07 63 00 00-0034	EA	3-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3" Pipe	91.11	21.38
07 63 00 00-0035	EA	4-1/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3-1/2" Pipe	95.23	21.38
07 63 00 00-0036	EA	4-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 4" Pipe	97.29	21.38
07 63 00 00-0037	EA	6-7/8" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 6" Pipe	117.87	21.38
07 63 00 00-0038	EA	8-7/8" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 8" Pipe	127.13	21.38

07 63 00 00-0039 Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing *(07 63)*

07 63 00 00-0040	EA	2" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	48.72	13.82
07 63 00 00-0041	EA	3" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	49.25	13.82
07 63 00 00-0042	EA	4" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	51.12	13.82
07 63 00 00-0043	EA	6" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	60.49	13.82

07 65 Flexible Flashing *(07 60)*

07 65 16 Modified Bituminous Sheet Flashing *(07 65)*

07 65 16 00-0001 Liquid Flashing System For Modified And BUR Systems *(07 65 16)*

See CSI section 07 51 13 00-0036 for ceramic coated roofing granules.

07 65 16 00-0002	SF	60 Mil, Urethane Elastomer Liquid Applied Flashing Note: Includes applying a 30 mil base coat, rolling in a stichbonded polyester reinforcing scrim and applying a 30 mil second coat.	6.95	1.50

07 65 19 Plastic Sheet Flashing *(07 65)*

07 65 19 00-0001 Plastic Flashing And Trim *(07 65 19)*

07 65 19 00-0002 Neoprene Flashing *(07 65 19 00-0001)*

07 65 19 00-0003 60 Mil Neoprene Flashing *(07 65 19 00-0002)*

07 65 19 00-0004	LF	6" Wide Strip, 60 Mil, Neoprene Flashing	5.69	1.91
07 65 19 00-0005	LF	12" Wide Strip, 60 Mil, Neoprene Flashing	7.37	2.05
07 65 19 00-0006	LF	18" Wide Strip, 60 Mil, Neoprene Flashing	9.26	2.26
07 65 19 00-0007	LF	24" Wide Strip, 60 Mil, Neoprene Flashing	11.28	2.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 65 33 Plastic Flashing *(07 65)*

07 65 33 00-0001 Neoprene Roof Boot *(07 65 33)*

07 65 33 00-0002	EA	Neoprene Roof Boot For 2" Diameter Pipe	24.60	5.88
07 65 33 00-0003	EA	Neoprene Roof Boot For 3" Diameter Pipe	28.64	6.58
07 65 33 00-0004	EA	Neoprene Roof Boot For 4" Diameter Pipe	31.60	7.08

07 70 Roof And Wall Specialties And Accessories *(07)*

Note: Includes placement of materials on roof up to 2-1/2 stories.

07 71 Roof Specialties *(07 70)*

07 71 13 Manufactured Copings *(07 71)*

07 71 13 00-0001 Galvanized Steel Copings *(07 71 13)*

07 71 13 00-0002 KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats *(07 71 13 00-0001)*

Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

07 71 13 00-0003	LF	10" To 14" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	17.59	1.53
07 71 13 00-0004	LF	>14" To 16" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	18.57	1.66
07 71 13 00-0005	LF	>16" To 22" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	21.12	1.74
07 71 13 00-0006	LF	>22" To 30" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	24.49	1.91
07 71 13 00-0007	LF	>30" To 42" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	29.49	2.00

07 71 13 00-0008 Aluminum Copings *(07 71 13)*

07 71 13 00-0009 Mill Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0008)*

Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

07 71 13 00-0010 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0009)*

07 71 13 00-0011	LF	10" To 14" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	14.08	1.53
07 71 13 00-0012	LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	15.04	1.66
07 71 13 00-0013	LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	17.46	1.74
07 71 13 00-0014	LF	>22" To 30" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	20.78	1.91
07 71 13 00-0015	LF	>30" To 42" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	25.69	2.00

07 71 13 00-0016 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0009)*

07 71 13 00-0017	LF	10" To 14" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	15.23	1.53
07 71 13 00-0018	LF	>14" To 16" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	16.27	1.66
07 71 13 00-0019	LF	>16" To 22" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	18.91	1.74
07 71 13 00-0020	LF	>22" To 30" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	22.54	1.91
07 71 13 00-0021	LF	>30" To 42" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	27.92	2.00

07 71 13 00-0022 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0009)*

07 71 13 00-0023	LF	10" To 14" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	16.18	1.53
07 71 13 00-0024	LF	>14" To 16" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	17.36	1.66
07 71 13 00-0025	LF	>16" To 22" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	20.72	1.74
07 71 13 00-0026	LF	>22" To 30" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	25.78	1.91
07 71 13 00-0027	LF	>30" To 42" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	33.17	2.00

07 71 13 00-0028 KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0008)*

Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

07 71 13 00-0029 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0028)*

07 71 13 00-0030	LF	10" To 14" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	19.27	1.53
07 71 13 00-0031	LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	20.57	1.66
07 71 13 00-0032	LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	24.01	1.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0033	LF	>22" To 30" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	28.70	1.91
07 71 13 00-0034	LF	>30" To 42" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	35.75	2.00
07 71 13 00-0035		0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0028)*		
07 71 13 00-0036	LF	10" To 14" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	20.94	1.53
07 71 13 00-0037	LF	>14" To 16" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	22.35	1.66
07 71 13 00-0038	LF	>16" To 22" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	26.12	1.74
07 71 13 00-0039	LF	>22" To 30" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	31.25	1.91
07 71 13 00-0040	LF	>30" To 42" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	38.99	2.00
07 71 13 00-0041		0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0028)*		
07 71 13 00-0042	LF	10" To 14" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	22.32	1.53
07 71 13 00-0043	LF	>14" To 16" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	23.94	1.66
07 71 13 00-0044	LF	>16" To 22" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	28.75	1.74
07 71 13 00-0045	LF	>22" To 30" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	35.96	1.91
07 71 13 00-0046	LF	>30" To 42" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	46.60	2.00
07 71 13 00-0047		Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0008)*		
		Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 13 00-0048		0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0047)*		
07 71 13 00-0049	LF	10" To 14" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	20.27	1.53
07 71 13 00-0050	LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	21.63	1.66
07 71 13 00-0051	LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	25.28	1.74
07 71 13 00-0052	LF	>22" To 30" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	30.23	1.91
07 71 13 00-0053	LF	>30" To 42" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	37.69	2.00
07 71 13 00-0054		0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0047)*		
07 71 13 00-0055	LF	10" To 14" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	22.05	1.53
07 71 13 00-0056	LF	>14" To 16" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	23.52	1.66
07 71 13 00-0057	LF	>16" To 22" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	27.51	1.74
07 71 13 00-0058	LF	>22" To 30" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	32.94	1.91
07 71 13 00-0059	LF	>30" To 42" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	41.13	2.00
07 71 13 00-0060		0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0047)*		
07 71 13 00-0061	LF	10" To 14" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	23.50	1.53
07 71 13 00-0062	LF	>14" To 16" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	25.21	1.66
07 71 13 00-0063	LF	>16" To 22" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	30.30	1.74
07 71 13 00-0064	LF	>22" To 30" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	37.92	1.91
07 71 13 00-0065	LF	>30" To 42" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	49.20	2.00

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0066		Remove And Reinstall Metal Coping *(07 71 13)*		
07 71 13 00-0067	LF	Remove And Reinstall Metal Coping	5.99	

07 71 19 Manufactured Gravel Stops And Fasciae *(07 71)*

07 71 19 00-0001		Gravel Stop *(07 71 19)*		
07 71 19 00-0002		Aluminum Gravel Stop *(07 71 19 00-0001)*		
07 71 19 00-0003		Aluminum Gravel Stop *(07 71 19 00-0002)*		
07 71 19 00-0004		KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0003)*		
07 71 19 00-0005		0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0004)*		
07 71 19 00-0006	LF	4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	10.39	1.28
07 71 19 00-0007	LF	>6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	10.53	1.32
07 71 19 00-0008	LF	>10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	10.73	1.36
07 71 19 00-0009		0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0004)*		
07 71 19 00-0010	LF	4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	10.97	1.28
07 71 19 00-0011	LF	>6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	11.13	1.32
07 71 19 00-0012	LF	>10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	11.36	1.36
07 71 19 00-0013		0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0004)*		
07 71 19 00-0014	LF	4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	11.72	1.28
07 71 19 00-0015	LF	>6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	11.85	1.32
07 71 19 00-0016	LF	>10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	12.16	1.36
07 71 19 00-0017		0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0004)*		
07 71 19 00-0018	LF	4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	12.23	1.28
07 71 19 00-0019	LF	>6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	12.38	1.32
07 71 19 00-0020	LF	>10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	12.72	1.36
07 71 19 00-0021		Mill Finish, Aluminum Gravel Stop *(07 71 19 00-0003)*		
07 71 19 00-0022		0.032" Thick, Mill Finish, Aluminum Gravel Stop *(07 71 19 00-0021)*		
07 71 19 00-0023	LF	4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop	7.19	1.28
07 71 19 00-0024	LF	>6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop	7.49	1.32
07 71 19 00-0025	LF	>10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop	7.84	1.36
07 71 19 00-0026		0.040" Thick, Mill Finish, Aluminum Gravel Stop *(07 71 19 00-0021)*		
07 71 19 00-0027	LF	4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop	7.67	1.28
07 71 19 00-0028	LF	>6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop	7.91	1.32
07 71 19 00-0029	LF	>10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop	8.16	1.36
07 71 19 00-0030		0.050" Thick, Mill Finish, Aluminum Gravel Stop *(07 71 19 00-0021)*		
07 71 19 00-0031	LF	4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop	8.15	1.28
07 71 19 00-0032	LF	>6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop	8.39	1.32
07 71 19 00-0033	LF	>10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop	8.68	1.36
07 71 19 00-0034		0.063" Thick, Mill Finish, Aluminum Gravel Stop *(07 71 19 00-0021)*		
07 71 19 00-0035	LF	4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop	8.67	1.28
07 71 19 00-0036	LF	>6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop	8.87	1.32
07 71 19 00-0037	LF	>10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop	9.07	1.36
07 71 19 00-0038		Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0003)*		
07 71 19 00-0039		0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0038)*		
07 71 19 00-0040	LF	4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop	12.16	1.28
07 71 19 00-0041	LF	>6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop	12.38	1.32
07 71 19 00-0042	LF	>10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop	12.60	1.36
07 71 19 00-0043		0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0038)*		
07 71 19 00-0044	LF	4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop	12.86	1.28
07 71 19 00-0045	LF	>6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop	13.11	1.32
07 71 19 00-0046	LF	>10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop	13.36	1.36
07 71 19 00-0047		0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0038)*		
07 71 19 00-0048	LF	4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop	13.76	1.28

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0049	LF	>6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop	13.97	1.32
07 71 19 00-0050	LF	>10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop	14.16	1.36
07 71 19 00-0051		0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0038)*		
07 71 19 00-0052	LF	4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop	14.37	1.28
07 71 19 00-0053	LF	>6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop	14.61	1.32
07 71 19 00-0054	LF	>10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop	14.82	1.36
07 71 19 00-0055		Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0002)*		
		Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0056		KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0055)*		
07 71 19 00-0057		0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0056)*		
07 71 19 00-0058	LF	4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	13.13	2.12
07 71 19 00-0059	LF	>6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	13.65	2.19
07 71 19 00-0060	LF	>10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	14.30	2.26
07 71 19 00-0061		0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0056)*		
07 71 19 00-0062	LF	4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	13.71	2.12
07 71 19 00-0063	LF	>6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	14.25	2.19
07 71 19 00-0064	LF	>10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	14.93	2.26
07 71 19 00-0065		0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0056)*		
07 71 19 00-0066	LF	4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	14.46	2.12
07 71 19 00-0067	LF	>6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	14.97	2.19
07 71 19 00-0068	LF	>10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	15.73	2.26
07 71 19 00-0069		0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0056)*		
07 71 19 00-0070	LF	4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	14.97	2.12
07 71 19 00-0071	LF	>6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	15.50	2.19
07 71 19 00-0072	LF	>10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	16.29	2.26
07 71 19 00-0073		Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0055)*		
07 71 19 00-0074		0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0073)*		
07 71 19 00-0075	LF	4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	10.37	2.12
07 71 19 00-0076	LF	>6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	10.78	2.19
07 71 19 00-0077	LF	>10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	11.29	2.26
07 71 19 00-0078		0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0073)*		
07 71 19 00-0079	LF	4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	10.77	2.12
07 71 19 00-0080	LF	>6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	11.19	2.19
07 71 19 00-0081	LF	>10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	11.73	2.26
07 71 19 00-0082		0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0073)*		
07 71 19 00-0083	LF	4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	11.29	2.12
07 71 19 00-0084	LF	>6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	11.69	2.19
07 71 19 00-0085	LF	>10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	12.25	2.26
07 71 19 00-0086		0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0073)*		
07 71 19 00-0087	LF	4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	11.64	2.12
07 71 19 00-0088	LF	>6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	12.05	2.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0089	LF	>10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	12.64	2.26
07 71 19 00-0090		Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0055)*		
07 71 19 00-0091		0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0090)*		
07 71 19 00-0092	LF	4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	14.90	2.12
07 71 19 00-0093	LF	>6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	15.50	2.19
07 71 19 00-0094	LF	>10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	16.17	2.26
07 71 19 00-0095		0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0090)*		
07 71 19 00-0096	LF	4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	15.60	2.12
07 71 19 00-0097	LF	>6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	16.23	2.19
07 71 19 00-0098	LF	>10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	16.93	2.26
07 71 19 00-0099		0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0090)*		
07 71 19 00-0100	LF	4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	16.50	2.12
07 71 19 00-0101	LF	>6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	17.09	2.19
07 71 19 00-0102	LF	>10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	17.73	2.26
07 71 19 00-0103		0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0090)*		
07 71 19 00-0104	LF	4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	17.11	2.12
07 71 19 00-0105	LF	>6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	17.73	2.19
07 71 19 00-0106	LF	>10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	18.39	2.26
07 71 19 00-0107		Stainless Steel Gravel Stop *(07 71 19 00-0001)*		
07 71 19 00-0108		Stainless Steel Gravel Stop *(07 71 19 00-0107)*		
07 71 19 00-0109		26 Gauge, Stainless Steel Gravel Stop *(07 71 19 00-0108)*		
07 71 19 00-0110	LF	4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop	8.51	1.28
07 71 19 00-0111	LF	>6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop	10.60	1.32
07 71 19 00-0112	LF	>10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop	15.00	1.36
07 71 19 00-0113		24 Gauge, Stainless Steel Gravel Stop *(07 71 19 00-0108)*		
07 71 19 00-0114	LF	4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop	10.24	1.28
07 71 19 00-0115	LF	>6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop	12.91	1.32
07 71 19 00-0116	LF	>10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop	18.45	1.36
07 71 19 00-0117		22 Gauge, Stainless Steel Gravel Stop *(07 71 19 00-0108)*		
07 71 19 00-0118	LF	4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop	12.07	1.28
07 71 19 00-0119	LF	>6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop	15.36	1.32
07 71 19 00-0120	LF	>10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop	22.12	1.36
07 71 19 00-0121		Stainless Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0107)* Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0122		26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0121)*		
07 71 19 00-0123	LF	4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	11.38	2.12
07 71 19 00-0124	LF	>6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	13.89	2.19
07 71 19 00-0125	LF	>10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	18.79	2.26
07 71 19 00-0126		24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0121)*		
07 71 19 00-0127	LF	4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	13.11	2.12
07 71 19 00-0128	LF	>6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	16.20	2.19
07 71 19 00-0129	LF	>10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	22.24	2.26

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0130		22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0121)*		
07 71 19 00-0131	LF	4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	14.94	2.12
07 71 19 00-0132	LF	>6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	18.65	2.19
07 71 19 00-0133	LF	>10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	25.91	2.26
07 71 19 00-0134		Galvanized Steel Gravel Stop *(07 71 19 00-0001)*		
07 71 19 00-0135		Galvanized Steel Gravel Stop *(07 71 19 00-0134)*		
07 71 19 00-0136		KYNAR 500® Finish, Galvanized Steel Gravel Stop *(07 71 19 00-0135)*		
07 71 19 00-0137		24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop *(07 71 19 00-0136)*		
07 71 19 00-0138	LF	4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop	9.41	1.28
07 71 19 00-0139	LF	>6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop	9.53	1.32
07 71 19 00-0140	LF	>10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop	9.76	1.36
07 71 19 00-0141		Galvanized Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0134)* Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0142		KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0141)*		
07 71 19 00-0143		24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0142)*		
07 71 19 00-0144	LF	4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat	12.15	2.12
07 71 19 00-0145	LF	>6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat	12.65	2.19
07 71 19 00-0146	LF	>10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat	13.33	2.26
07 71 19 00-0147		Copper Gravel Stop *(07 71 19 00-0001)*		
07 71 19 00-0148		Copper Gravel Stop *(07 71 19 00-0147)*		
07 71 19 00-0149		20 Ounce, Copper Gravel Stop *(07 71 19 00-0148)*		
07 71 19 00-0150	LF	4" To 6" Face Height, 20 Ounce, Copper Gravel Stop	36.70	1.28
07 71 19 00-0151	LF	>6" To 10" Face Height, 20 Ounce, Copper Gravel Stop	41.60	1.32
07 71 19 00-0152	LF	>10" To 18" Face Height, 20 Ounce, Copper Gravel Stop	47.83	1.36
07 71 19 00-0153		16 Ounce, Copper Gravel Stop *(07 71 19 00-0148)*		
07 71 19 00-0154	LF	4" To 6" Face Height, 16 Ounce, Copper Gravel Stop	44.80	1.28
07 71 19 00-0155	LF	>6" To 10" Face Height, 16 Ounce, Copper Gravel Stop	51.50	1.32
07 71 19 00-0156	LF	>10" To 18" Face Height, 16 Ounce, Copper Gravel Stop	58.63	1.36
07 71 19 00-0157		Copper Gravel Stop System With Continuous Cleat *(07 71 19 00-0147)* Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0158		20 Ounce, Copper Gravel Stop System With Continuous Cleat *(07 71 19 00-0157)*		
07 71 19 00-0159	LF	4" To 6" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	39.57	2.12
07 71 19 00-0160	LF	>6" To 10" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	44.89	2.19
07 71 19 00-0161	LF	>10" To 18" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	51.62	2.26
07 71 19 00-0162		16 Ounce, Copper Gravel Stop System With Continuous Cleat *(07 71 19 00-0157)*		
07 71 19 00-0163	LF	4" To 6" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	47.67	2.12
07 71 19 00-0164	LF	>6" To 10" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	54.79	2.19
07 71 19 00-0165	LF	>10" To 18" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	62.42	2.26
07 71 19 00-0166		Fascia *(07 71 19)*		
07 71 19 00-0167		Snap-On Cover Fascia *(07 71 19 00-0166)* Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0168		Galvanized Steel Snap-On Cover Fascia *(07 71 19 00-0167)*		
07 71 19 00-0169		KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia *(07 71 19 00-0168)*		
07 71 19 00-0170		24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia *(07 71 19 00-0169)*		
07 71 19 00-0171	LF	3" To 5" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat	12.22	1.77
07 71 19 00-0172	LF	>5" To 7" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat	13.55	1.84
07 71 19 00-0173	LF	>7" To 9" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat	14.44	1.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0174		Accessories For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems *(07 71 19 00-0169)*		
07 71 19 00-0175		Fascia Sumps For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems *(07 71 19 00-0174)*		
07 71 19 00-0176	EA	Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	72.75	2.48
07 71 19 00-0177	EA	Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	77.49	2.48
07 71 19 00-0178	EA	Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	80.47	2.48
07 71 19 00-0179		Fascia Spillout Scuppers For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems *(07 71 19 00-0174)*		
07 71 19 00-0180	EA	Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	59.83	2.48
07 71 19 00-0181	EA	Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	62.23	2.48
07 71 19 00-0182	EA	Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	63.68	2.48
07 71 19 00-0183		Aluminum Snap-On Cover Fascia *(07 71 19 00-0167)*		
07 71 19 00-0184		KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0183)*		
07 71 19 00-0185		0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0184)*		
07 71 19 00-0186	LF	3" To 5" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	13.18	1.77
07 71 19 00-0187	LF	>5" To 7" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	14.84	1.84
07 71 19 00-0188	LF	>7" To 9" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	15.73	1.91
07 71 19 00-0189		0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0184)*		
07 71 19 00-0190	LF	3" To 5" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	13.81	1.77
07 71 19 00-0191	LF	>5" To 7" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	15.65	1.84
07 71 19 00-0192	LF	>7" To 9" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	16.64	1.91
07 71 19 00-0193		Accessories For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0184)*		
07 71 19 00-0194		Fascia Sumps For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0193)*		
07 71 19 00-0195	EA	Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	81.66	2.48
07 71 19 00-0196	EA	Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	88.47	2.48
07 71 19 00-0197	EA	Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	91.45	2.48
07 71 19 00-0198		Fascia Spillout Scuppers For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0193)*		
07 71 19 00-0199	EA	Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	64.86	2.48
07 71 19 00-0200	EA	Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	68.26	2.48
07 71 19 00-0201	EA	Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	69.74	2.48
07 71 19 00-0202		Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0183)*		
07 71 19 00-0203		0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0202)*		
07 71 19 00-0204	LF	3" To 5" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	15.11	1.77
07 71 19 00-0205	LF	>5" To 7" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	17.07	1.84
07 71 19 00-0206	LF	>7" To 9" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	18.11	1.91

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0207		0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0202)*		
07 71 19 00-0208	LF	3" To 5" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	15.86	1.77
07 71 19 00-0209	LF	>5" To 7" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	18.04	1.84
07 71 19 00-0210	LF	>7" To 9" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	19.20	1.91
07 71 19 00-0211		Accessories For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0202)*		
07 71 19 00-0212		Fascia Sumps For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0211)*		
07 71 19 00-0213	EA	Fascia Sump For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	100.83	2.48
07 71 19 00-0214	EA	Fascia Sump For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	109.35	2.48
07 71 19 00-0215	EA	Fascia Sump For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	113.07	2.48
07 71 19 00-0216		Fascia Spillout Scuppers For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0211)*		
07 71 19 00-0217	EA	Fascia Spillout Scupper For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	79.84	2.48
07 71 19 00-0218	EA	Fascia Spillout Scupper For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	84.08	2.48
07 71 19 00-0219	EA	Fascia Spillout Scupper For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	85.94	2.48
07 71 23		**Manufactured Gutters And Downspouts** *(07 71)*		
		Note: Includes all necessary support straps.		
07 71 23 00-0001		Aluminum Gutters And Downspouts *(07 71 23)*		
07 71 23 00-0002		Aluminum Gutters *(07 71 23 00-0001)*		
		Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0003		K-Style Aluminum Gutters *(07 71 23 00-0002)*		
07 71 23 00-0004	LF	5", 0.027" Thick, K-Style Aluminum Gutter	5.27	2.15
		For Kynar 500® Finish, Add	*0.76*	
07 71 23 00-0005	LF	6", 0.027" Thick, K-Style Aluminum Gutter	5.74	2.15
		For Kynar 500® Finish, Add	*0.97*	
07 71 23 00-0006	LF	5", 0.032" Thick, K-Style Aluminum Gutter	5.52	2.15
		For Kynar 500® Finish, Add	*0.87*	
07 71 23 00-0007	LF	6", 0.032" Thick, K-Style Aluminum Gutter	6.05	2.15
		For Kynar 500® Finish, Add	*1.11*	
07 71 23 00-0008	LF	7", 0.032" Thick, K-Style Aluminum Gutter	11.54	2.15
		For Kynar 500® Finish, Add	*3.58*	
07 71 23 00-0009	LF	8", 0.032" Thick, K-Style Aluminum Gutter	12.28	2.15
		For Kynar 500® Finish, Add	*3.91*	
07 71 23 00-0010	LF	8", 0.040" Thick, K-Style Aluminum Gutter	13.95	2.15
		For Kynar 500® Finish, Add	*4.66*	
07 71 23 00-0011		Half Round Aluminum Gutters *(07 71 23 00-0002)*		
07 71 23 00-0012	LF	5", 0.027" Thick, Half Round Aluminum Gutter	10.13	2.15
		For Kynar 500® Finish, Add	*2.94*	
07 71 23 00-0013	LF	6", 0.032" Thick, Half Round Aluminum Gutter	12.11	2.15
		For Kynar 500® Finish, Add	*3.83*	
07 71 23 00-0014		Box Style Aluminum Gutters *(07 71 23 00-0002)*		
07 71 23 00-0015	LF	6", 0.027" Thick, Box Style Aluminum Gutter	9.66	2.15
		For Kynar 500® Finish, Add	*2.73*	
07 71 23 00-0016	LF	6", 0.032" Thick, Box Style Aluminum Gutter	9.69	2.15
		For Kynar 500® Finish, Add	*2.75*	
07 71 23 00-0017	LF	7", 0.032" Thick, Box Style Aluminum Gutter	11.19	2.15
		For Kynar 500® Finish, Add	*3.42*	
07 71 23 00-0018	LF	8", 0.032" Thick, Box Style Aluminum Gutter	12.54	2.15
		For Kynar 500® Finish, Add	*4.03*	
07 71 23 00-0019		Aluminum Gutter End Caps *(07 71 23 00-0001)*		
07 71 23 00-0020		K-Style, Aluminum Gutter End Caps *(07 71 23 00-0019)*		
07 71 23 00-0021	EA	5", K-Style Aluminum Gutter End Cap	2.31	
		For Kynar 500® Finish, Add	*0.27*	
07 71 23 00-0022	EA	6", K-Style Aluminum Gutter End Cap	2.78	
		For Kynar 500® Finish, Add	*0.48*	
07 71 23 00-0023	EA	7", K-Style Aluminum Gutter End Cap	5.67	
		For Kynar 500® Finish, Add	*1.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0024	EA	8", K-Style Aluminum Gutter End Cap	6.56	
		For Kynar 500® Finish, Add	*2.18*	
07 71 23 00-0025		**Half Round, Aluminum Gutter End Caps** *(07 71 23 00-0019)*		
07 71 23 00-0026	EA	5", Half Round Aluminum Gutter End Cap	3.52	
		For Kynar 500® Finish, Add	*0.81*	
07 71 23 00-0027	EA	6", Half Round Aluminum Gutter End Cap	5.28	
		For Kynar 500® Finish, Add	*1.60*	
07 71 23 00-0028		**Box Style, Aluminum Gutter End Caps** *(07 71 23 00-0019)*		
07 71 23 00-0029	EA	6", Box Style Aluminum Gutter End Cap	6.16	
		For Kynar 500® Finish, Add	*2.00*	
07 71 23 00-0030	EA	7", Box Style Aluminum Gutter End Cap	6.67	
		For Kynar 500® Finish, Add	*2.23*	
07 71 23 00-0031	EA	8", Box Style Aluminum Gutter End Cap	7.77	
		For Kynar 500® Finish, Add	*2.72*	
07 71 23 00-0032		**Aluminum Gutter Miters** *(07 71 23 00-0001)*		
		Note: Inside or outside miters.		
07 71 23 00-0033		**K-Style, Aluminum Gutter Miters** *(07 71 23 00-0032)*		
07 71 23 00-0034	EA	5", K-Style Aluminum Gutter Miter	7.65	
		For Kynar 500® Finish, Add	*2.08*	
07 71 23 00-0035	EA	6", K-Style Aluminum Gutter Miter	11.03	
		For Kynar 500® Finish, Add	*3.60*	
07 71 23 00-0036	EA	7", K-Style Aluminum Gutter Miter	41.56	
		For Kynar 500® Finish, Add	*17.34*	
07 71 23 00-0037	EA	8", K-Style Aluminum Gutter Miter	44.99	
		For Kynar 500® Finish, Add	*18.89*	
07 71 23 00-0038		**Half Round, Aluminum Gutter Miters** *(07 71 23 00-0032)*		
07 71 23 00-0039	EA	5", Half Round Aluminum Gutter Miter	16.14	
		For Kynar 500® Finish, Add	*5.90*	
07 71 23 00-0040	EA	6", Half Round Aluminum Gutter Miter	27.18	
		For Kynar 500® Finish, Add	*10.87*	
07 71 23 00-0041		**Box Style, Aluminum Gutter Miters** *(07 71 23 00-0032)*		
07 71 23 00-0042	EA	6", Box Style Aluminum Gutter Miter	33.23	
		For Kynar 500® Finish, Add	*13.59*	
07 71 23 00-0043	EA	7", Box Style Aluminum Gutter Miter	51.20	
		For Kynar 500® Finish, Add	*21.68*	
07 71 23 00-0044	EA	8", Box Style Aluminum Gutter Miter	55.48	
		For Kynar 500® Finish, Add	*23.61*	
07 71 23 00-0045		**Aluminum Gutter Wire Strainers** *(07 71 23 00-0001)*		
07 71 23 00-0046	EA	3" Diameter, Round Aluminum Wire Strainer	9.11	2.15
		For Kynar 500® Finish, Add	*2.08*	
07 71 23 00-0047	EA	4" Diameter, Round Aluminum Wire Strainer	13.00	2.15
		For Kynar 500® Finish, Add	*3.83*	
07 71 23 00-0048		**Aluminum Downspouts** *(07 71 23 00-0001)*		
		Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0049		**Round Aluminum Downspouts** *(07 71 23 00-0048)*		
07 71 23 00-0050	LF	3" Diameter, Round Aluminum Downspout	4.55	2.07
		For Kynar 500® Finish, Add	*1.04*	
07 71 23 00-0051	LF	4" Diameter, Round Aluminum Downspout	5.09	2.07
		For Kynar 500® Finish, Add	*1.28*	
07 71 23 00-0052		**Rectangular Aluminum Downspouts** *(07 71 23 00-0048)*		
07 71 23 00-0053	LF	2" x 3", Rectangular Aluminum Downspout	3.42	2.07
		For Kynar 500® Finish, Add	*0.53*	
07 71 23 00-0054	LF	3" x 4", Rectangular Aluminum Downspout	4.11	2.07
		For Kynar 500® Finish, Add	*0.84*	
07 71 23 00-0055	LF	4" x 5", Rectangular Aluminum Downspout	7.01	2.07
		For Kynar 500® Finish, Add	*2.15*	
07 71 23 00-0056		**Aluminum Devices** *(07 71 23 00-0001)*		
07 71 23 00-0057	EA	Thru-Wall Aluminum Scupper Outlet	97.75	15.92
		For Kynar 500® Finish, Add	*20.10*	
07 71 23 00-0058	EA	Aluminum Leader/Conductor Head	135.79	17.70
		For Kynar 500® Finish, Add	*45.18*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0059		Copper Gutters And Downspouts *(07 71 23)*		
07 71 23 00-0060		Copper Gutters *(07 71 23 00-0059)*		
		Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0061		K-Style Copper Gutters *(07 71 23 00-0060)*		
07 71 23 00-0062	LF	4", 16 Ounce, K-Style Copper Gutter	12.25	2.15
07 71 23 00-0063	LF	5", 16 Ounce, K-Style Copper Gutter	17.65	2.15
07 71 23 00-0064	LF	6", 16 Ounce, K-Style Copper Gutter	21.11	2.15
07 71 23 00-0065	LF	5", 20 Ounce, K-Style Copper Gutter	22.71	2.15
07 71 23 00-0066	LF	6", 20 Ounce, K-Style Copper Gutter	28.27	2.15
07 71 23 00-0067	LF	7", 20 Ounce, K-Style Copper Gutter	32.79	2.15
07 71 23 00-0068	LF	8", 20 Ounce, K-Style Copper Gutter	36.12	2.15
07 71 23 00-0069		Half Round Copper Gutters *(07 71 23 00-0060)*		
07 71 23 00-0070	LF	5", 16 Ounce, Half Round Copper Gutter	15.02	2.15
07 71 23 00-0071	LF	6", 16 Ounce, Half Round Copper Gutter	19.15	2.15
07 71 23 00-0072	LF	7", 16 Ounce, Half Round Copper Gutter	32.88	2.15
07 71 23 00-0073	LF	5", 20 Ounce, Half Round Copper Gutter	17.78	2.15
07 71 23 00-0074	LF	6", 20 Ounce, Half Round Copper Gutter	22.08	2.15
07 71 23 00-0075	LF	7", 20 Ounce, Half Round Copper Gutter	34.67	2.15
07 71 23 00-0076	LF	8", 20 Ounce, Half Round Copper Gutter	39.10	2.15
07 71 23 00-0077		Copper Gutter End Caps *(07 71 23 00-0059)*		
07 71 23 00-0078		K-Style, Copper Gutter End Caps *(07 71 23 00-0077)*		
07 71 23 00-0079	EA	4", K-Style Copper Gutter End Cap	4.70	
07 71 23 00-0080	EA	5", K-Style Copper Gutter End Cap	5.03	
07 71 23 00-0081	EA	6", K-Style Copper Gutter End Cap	5.36	
07 71 23 00-0082	EA	7", K-Style Copper Gutter End Cap	14.19	
07 71 23 00-0083	EA	8", K-Style Copper Gutter End Cap	17.29	
07 71 23 00-0084		Half Round, Copper Gutter End Caps *(07 71 23 00-0077)*		
07 71 23 00-0085	EA	4", Half Round Copper Gutter End Cap	5.68	
07 71 23 00-0086	EA	5", Half Round Copper Gutter End Cap	6.38	
07 71 23 00-0087	EA	6", Half Round Copper Gutter End Cap	9.61	
07 71 23 00-0088	EA	7", Half Round Copper Gutter End Cap	28.85	
07 71 23 00-0089	EA	8", Half Round Copper Gutter End Cap	34.07	
07 71 23 00-0090		Copper Gutter Miters *(07 71 23 00-0059)*		
		Note: Inside or outside miters.		
07 71 23 00-0091		K-Style, Copper Gutter Miters *(07 71 23 00-0090)*		
07 71 23 00-0092	EA	4", K-Style Copper Gutter Miter	25.15	
07 71 23 00-0093	EA	5", K-Style Copper Gutter Miter	28.54	
07 71 23 00-0094	EA	6", K-Style Copper Gutter Miter	42.90	
07 71 23 00-0095	EA	7", K-Style Copper Gutter Miter	62.61	
07 71 23 00-0096	EA	8", K-Style Copper Gutter Miter	73.93	
07 71 23 00-0097		Half Round, Copper Gutter Miters *(07 71 23 00-0090)*		
07 71 23 00-0098	EA	4", Half Round Copper Gutter Miter	42.01	
07 71 23 00-0099	EA	5", Half Round Copper Gutter Miter	37.89	
07 71 23 00-0100	EA	6", Half Round Copper Gutter Miter	56.42	
07 71 23 00-0101	EA	7", Half Round Copper Gutter Miter	67.86	
07 71 23 00-0102	EA	8", Half Round Copper Gutter Miter	80.73	
07 71 23 00-0103		Copper Gutter Wire Strainers *(07 71 23 00-0059)*		
07 71 23 00-0104	EA	2" Diameter, Round Copper Wire Strainer	11.48	2.15
07 71 23 00-0105	EA	3" Diameter, Round Copper Wire Strainer	13.77	2.15
07 71 23 00-0106	EA	4" Diameter, Round Copper Wire Strainer	21.26	2.15
07 71 23 00-0107	EA	5" Diameter, Round Copper Wire Strainer	27.79	2.15
07 71 23 00-0108	EA	6" Diameter, Round Copper Wire Strainer	33.26	2.15
07 71 23 00-0109		Copper Downspouts *(07 71 23 00-0059)*		
		Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0110		Round Copper Downspouts *(07 71 23 00-0109)*		
07 71 23 00-0111	LF	2" Diameter, 16 Ounce, Round Copper Downspout	19.34	2.07
07 71 23 00-0112	LF	3" Diameter, 16 Ounce, Round Copper Downspout	13.50	2.07
07 71 23 00-0113	LF	4" Diameter, 16 Ounce, Round Copper Downspout	16.99	2.07
07 71 23 00-0114	LF	5" Diameter, 16 Ounce, Round Copper Downspout	27.08	2.07
07 71 23 00-0115	LF	6" Diameter, 16 Ounce, Round Copper Downspout	34.79	2.07
07 71 23 00-0116	LF	3" Diameter, 20 Ounce, Round Copper Downspout	18.23	2.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0117	LF	4" Diameter, 20 Ounce, Round Copper Downspout	23.62	2.07
07 71 23 00-0118	LF	5" Diameter, 20 Ounce, Round Copper Downspout	35.84	2.07
07 71 23 00-0119		Square Copper Downspouts *(07 71 23 00-0109)*		
07 71 23 00-0120	LF	3" Diameter, 16 Ounce, Square Copper Downspout	9.38	2.07
07 71 23 00-0121	LF	4" Diameter, 16 Ounce, Square Copper Downspout	11.70	2.07
07 71 23 00-0122	LF	5" Diameter, 16 Ounce, Square Copper Downspout	16.70	2.07
07 71 23 00-0123	LF	3" Diameter, 20 Ounce, Square Copper Downspout	10.82	2.07
07 71 23 00-0124	LF	4" Diameter, 20 Ounce, Square Copper Downspout	13.71	2.07
07 71 23 00-0125	LF	5" Diameter, 20 Ounce, Square Copper Downspout	19.64	2.07
07 71 23 00-0126		Rectangular Copper Downspouts *(07 71 23 00-0109)*		
07 71 23 00-0127	LF	2" x 3", 16 Ounce, Rectangular Copper Downspout	13.86	2.07
07 71 23 00-0128	LF	3" x 4", 16 Ounce, Rectangular Copper Downspout	17.50	2.07
07 71 23 00-0129	LF	4" x 5", 16 Ounce, Rectangular Copper Downspout	24.85	2.07
07 71 23 00-0130	LF	2" x 3", 20 Ounce, Rectangular Copper Downspout	16.13	2.07
07 71 23 00-0131	LF	3" x 4", 20 Ounce, Rectangular Copper Downspout	20.64	2.07
07 71 23 00-0132	LF	4" x 5", 20 Ounce, Rectangular Copper Downspout	29.59	2.07
07 71 23 00-0133		Copper Devices And Accessories *(07 71 23 00-0059)*		
07 71 23 00-0134	EA	Thru-Wall Copper Scupper Outlet	150.40	15.92
07 71 23 00-0135	EA	Copper Leader/Conductor Head	220.65	17.70
07 71 23 00-0136	EA	Copper Eave Box	101.54	12.93
07 71 23 00-0137		Galvanized Steel Gutters And Downspouts *(07 71 23)*		
07 71 23 00-0138		Galvanized Steel Gutters *(07 71 23 00-0137)*		
		Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0139		K-Style Galvanized Steel Gutters *(07 71 23 00-0138)*		
07 71 23 00-0140	LF	5", 26 Gauge, K-Style Galvanized Steel Gutter	6.29	2.15
		For Kynar 500® Finish, Add	*1.22*	
07 71 23 00-0141	LF	6", 26 Gauge, K-Style Galvanized Steel Gutter	7.11	2.15
		For Kynar 500® Finish, Add	*1.58*	
07 71 23 00-0142	LF	7", 26 Gauge, K-Style Galvanized Steel Gutter	16.69	2.15
		For Kynar 500® Finish, Add	*5.90*	
07 71 23 00-0143	LF	8", 24 Gauge, K-Style Galvanized Steel Gutter	17.16	2.15
		For Kynar 500® Finish, Add	*6.11*	
07 71 23 00-0144		Half Round Galvanized Steel Gutters *(07 71 23 00-0138)*		
07 71 23 00-0145	LF	5", 26 Gauge, Half Round Galvanized Steel Gutter	9.07	2.15
		For Kynar 500® Finish, Add	*2.47*	
07 71 23 00-0146	LF	6", 26 Gauge, Half Round Galvanized Steel Gutter	11.21	2.15
		For Kynar 500® Finish, Add	*3.43*	
07 71 23 00-0147	LF	7", 26 Gauge, Half Round Galvanized Steel Gutter	27.87	2.15
		For Kynar 500® Finish, Add	*10.93*	
07 71 23 00-0148	LF	8", 26 Gauge, Half Round Galvanized Steel Gutter	29.37	2.15
		For Kynar 500® Finish, Add	*11.60*	
07 71 23 00-0149		Box Style Galvanized Steel Gutters *(07 71 23 00-0138)*		
07 71 23 00-0150	LF	7", 26 Gauge, Box Style Galvanized Steel Gutter	17.76	2.15
		For Kynar 500® Finish, Add	*6.38*	
07 71 23 00-0151	LF	8", 24 Gauge, Box Style Galvanized Steel Gutter	18.84	2.15
		For Kynar 500® Finish, Add	*6.86*	
07 71 23 00-0152		Galvanized Steel Gutter End Caps *(07 71 23 00-0137)*		
07 71 23 00-0153		K-Style, Galvanized Steel Gutter End Caps *(07 71 23 00-0152)*		
07 71 23 00-0154	EA	5", K-Style Galvanized Steel Gutter End Cap	3.33	
		For Kynar 500® Finish, Add	*0.72*	
07 71 23 00-0155	EA	6", K-Style Galvanized Steel Gutter End Cap	3.76	
		For Kynar 500® Finish, Add	*0.92*	
07 71 23 00-0156	EA	7", K-Style Galvanized Steel Gutter End Cap	7.53	
		For Kynar 500® Finish, Add	*2.61*	
07 71 23 00-0157	EA	8", K-Style Galvanized Steel Gutter End Cap	10.69	
		For Kynar 500® Finish, Add	*4.04*	
07 71 23 00-0158		Half Round, Galvanized Steel Gutter End Caps *(07 71 23 00-0152)*		
07 71 23 00-0159	EA	5", Half Round Galvanized Steel Gutter End Cap	4.14	
		For Kynar 500® Finish, Add	*1.09*	
07 71 23 00-0160	EA	6", Half Round Galvanized Steel Gutter End Cap	4.68	
		For Kynar 500® Finish, Add	*1.33*	
07 71 23 00-0161	EA	7", Half Round Galvanized Steel Gutter End Cap	8.26	
		For Kynar 500® Finish, Add	*2.94*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0162	EA	8", Half Round Galvanized Steel Gutter End Cap	10.97	
		For Kynar 500® Finish, Add	*4.16*	

07 71 23 00-0163 Box Style, Galvanized Steel Gutter End Caps *(07 71 23 00-0152)*

07 71 23 00-0164	EA	7", Box Style Galvanized Steel Gutter End Cap	9.24	
		For Kynar 500® Finish, Add	*3.38*	
07 71 23 00-0165	EA	8", Box Style Galvanized Steel Gutter End Cap	12.20	
		For Kynar 500® Finish, Add	*4.72*	

07 71 23 00-0166 Galvanized Steel Gutter Miters *(07 71 23 00-0137)*

Note: Inside or outside miters.

07 71 23 00-0167 K-Style, Galvanized Steel Gutter Miters *(07 71 23 00-0166)*

07 71 23 00-0168	EA	5", K-Style Galvanized Steel Gutter Miter	13.97	
		For Kynar 500® Finish, Add	*4.93*	
07 71 23 00-0169	EA	6", K-Style Galvanized Steel Gutter Miter	23.97	
		For Kynar 500® Finish, Add	*9.43*	
07 71 23 00-0170	EA	7", K-Style Galvanized Steel Gutter Miter	39.87	
		For Kynar 500® Finish, Add	*16.58*	
07 71 23 00-0171	EA	8", K-Style Galvanized Steel Gutter Miter	44.80	
		For Kynar 500® Finish, Add	*18.80*	

07 71 23 00-0172 Half Round, Galvanized Steel Gutter Miters *(07 71 23 00-0166)*

07 71 23 00-0173	EA	5", Half Round Galvanized Steel Gutter Miter	20.16	
		For Kynar 500® Finish, Add	*7.71*	
07 71 23 00-0174	EA	6", Half Round Galvanized Steel Gutter Miter	22.60	
		For Kynar 500® Finish, Add	*8.81*	
07 71 23 00-0175	EA	7", Half Round Galvanized Steel Gutter Miter	69.61	
		For Kynar 500® Finish, Add	*29.97*	
07 71 23 00-0176	EA	8", Half Round Galvanized Steel Gutter Miter	73.31	
		For Kynar 500® Finish, Add	*31.63*	

07 71 23 00-0177 Box Style, Galvanized Steel Gutter Miters *(07 71 23 00-0166)*

07 71 23 00-0178	EA	7", Box Style Galvanized Steel Gutter Miter	42.33	
		For Kynar 500® Finish, Add	*17.69*	
07 71 23 00-0179	EA	8", Box Style Galvanized Steel Gutter Miter	44.80	
		For Kynar 500® Finish, Add	*18.80*	

07 71 23 00-0180 Galvanized Steel Gutter Wire Strainers *(07 71 23 00-0137)*

07 71 23 00-0181	EA	3" Diameter, Round Galvanized Steel Wire Strainer	8.17	2.15
		For Kynar 500® Finish, Add	*1.66*	
07 71 23 00-0182	EA	4" Diameter, Round Galvanized Steel Wire Strainer	11.30	2.15
		For Kynar 500® Finish, Add	*3.06*	

07 71 23 00-0183 Galvanized Steel Downspouts *(07 71 23 00-0137)*

Note: Includes elbows, hangers and fasteners.

07 71 23 00-0184 Round Galvanized Steel Downspouts *(07 71 23 00-0183)*

07 71 23 00-0185	LF	3" Diameter, 26 Gauge, Round Galvanized Steel Downspout	4.21	2.07
		For Kynar 500® Finish, Add	*0.89*	
07 71 23 00-0186	LF	4" Diameter, 26 Gauge, Round Galvanized Steel Downspout	5.05	2.07
		For Kynar 500® Finish, Add	*1.26*	
07 71 23 00-0187	LF	5" Diameter, 26 Gauge, Round Galvanized Steel Downspout	6.61	2.07
		For Kynar 500® Finish, Add	*1.97*	
07 71 23 00-0188	LF	6" Diameter, 26 Gauge, Round Galvanized Steel Downspout	13.81	2.07
		For Kynar 500® Finish, Add	*5.21*	

07 71 23 00-0189 Square Galvanized Steel Downspouts *(07 71 23 00-0183)*

07 71 23 00-0190	LF	4" x 4", 26 Gauge, Square Galvanized Steel Downspout	4.68	2.07
		For Kynar 500® Finish, Add	*1.10*	
07 71 23 00-0191	LF	5" x 5", 26 Gauge, Square Galvanized Steel Downspout	5.79	2.07
		For Kynar 500® Finish, Add	*1.60*	

07 71 23 00-0192 Rectangular Galvanized Steel Downspouts *(07 71 23 00-0183)*

07 71 23 00-0193	LF	2" x 3", 26 Gauge, Rectangular Galvanized Steel Downspout	4.27	2.07
		For Kynar 500® Finish, Add	*0.91*	
07 71 23 00-0194	LF	3" x 4", 26 Gauge, Rectangular Galvanized Steel Downspout	5.25	2.07
		For Kynar 500® Finish, Add	*1.35*	
07 71 23 00-0195	LF	4" x 5", 26 Gauge, Rectangular Galvanized Steel Downspout	9.11	2.07
		For Kynar 500® Finish, Add	*3.09*	

07 71 23 00-0196 Galvanized Steel Devices *(07 71 23 00-0137)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0197	EA	Galvanized Steel Leader/Conductor Head	161.19	17.70
		For Kynar 500® Finish, Add	*56.61*	
07 71 23 00-0198	EA	Thru-Wall Galvanized Steel Scupper Outlet	98.76	15.92
		For Kynar 500® Finish, Add	*20.55*	
07 71 23 00-0199		**Stainless Steel Gutters And Downspouts** *(07 71 23)*		
		Note: AISI type 304 stainless steel.		
07 71 23 00-0200		**Stainless Steel Gutters** *(07 71 23 00-0199)*		
		Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0201		**K-Style Stainless Steel Gutters** *(07 71 23 00-0200)*		
07 71 23 00-0202	LF	5", 0.018" Thick, K-Style Stainless Steel Gutter	15.68	2.15
07 71 23 00-0203	LF	6", 0.018" Thick, K-Style Stainless Steel Gutter	18.70	2.15
07 71 23 00-0204		**Half Round Stainless Steel Gutters** *(07 71 23 00-0200)*		
07 71 23 00-0205	LF	5", 0.018" Thick, Half Round Stainless Steel Gutter	21.89	2.15
07 71 23 00-0206	LF	6", 0.018" Thick, Half Round Stainless Steel Gutter	26.43	2.15
07 71 23 00-0207		**Stainless Steel Gutter End Caps** *(07 71 23 00-0199)*		
07 71 23 00-0208		**K-Style, Stainless Steel Gutter End Caps** *(07 71 23 00-0207)*		
07 71 23 00-0209	EA	5", K-Style Stainless Steel Gutter End Cap	5.50	
07 71 23 00-0210	EA	6", K-Style Stainless Steel Gutter End Cap	6.26	
07 71 23 00-0211		**Half Round, Stainless Steel Gutter End Caps** *(07 71 23 00-0207)*		
07 71 23 00-0212	EA	5", Half Round Stainless Steel Gutter End Cap	6.45	
07 71 23 00-0213	EA	6", Half Round Stainless Steel Gutter End Cap	7.39	
07 71 23 00-0214		**Stainless Steel Gutter Miters** *(07 71 23 00-0199)*		
		Note: Inside or outside box miters.		
07 71 23 00-0215		**K-Style, Stainless Steel Gutter Miters** *(07 71 23 00-0214)*		
07 71 23 00-0216	EA	5", K-Style Stainless Steel Gutter Miter	22.55	
07 71 23 00-0217	EA	6", K-Style Stainless Steel Gutter Miter	37.68	
07 71 23 00-0218		**Half Round, Stainless Steel Gutter Miters** *(07 71 23 00-0214)*		
07 71 23 00-0219	EA	5", Half Round Stainless Steel Gutter Miter	60.36	
07 71 23 00-0220	EA	6", Half Round Stainless Steel Gutter Miter	74.20	
07 71 23 00-0221		**Stainless Steel Gutter Wire Strainers** *(07 71 23 00-0199)*		
07 71 23 00-0222	EA	3" Diameter, Round Stainless Steel Wire Strainer	24.27	2.15
07 71 23 00-0223	EA	4" Diameter, Round Stainless Steel Wire Strainer	24.81	2.15
07 71 23 00-0224		**Stainless Steel Downspouts** *(07 71 23 00-0199)*		
		Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0225		**Round Stainless Steel Downspouts** *(07 71 23 00-0224)*		
07 71 23 00-0226	LF	3" Diameter, 0.018" Thick, Round Stainless Steel Downspout	15.23	2.07
07 71 23 00-0227	LF	4" Diameter, 0.018" Thick, Round Stainless Steel Downspout	27.03	2.07
07 71 23 00-0228	LF	5" Diameter, 0.018" Thick, Round Stainless Steel Downspout	41.47	2.07
07 71 23 00-0229		**Rectangular Stainless Steel Downspouts** *(07 71 23 00-0224)*		
07 71 23 00-0230	LF	2" x 3", 0.018" Thick, Rectangular Stainless Steel Downspout	10.27	2.07
07 71 23 00-0231	LF	3" x 4", 0.018" Thick, Rectangular Stainless Steel Downspout	13.53	2.07
07 71 23 00-0232	LF	4" x 5", 0.018" Thick, Rectangular Stainless Steel Downspout	32.72	2.07
07 71 23 00-0233		**Stainless Steel Devices** *(07 71 23 00-0199)*		
07 71 23 00-0234	EA	Thru-Wall Stainless Steel Scupper Outlet	185.08	19.40
07 71 23 00-0235	EA	Stainless Steel Leader/Conductor Head	219.23	19.40
07 71 23 00-0236		**Vinyl Gutters And Downspouts** *(07 71 23)*		
07 71 23 00-0237		**Vinyl Gutters** *(07 71 23 00-0236)*		
		Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0238		**K-Style Vinyl Gutters** *(07 71 23 00-0237)*		
07 71 23 00-0239	LF	4", K-Style Vinyl Gutter	6.91	2.15
07 71 23 00-0240	LF	5", K-Style Vinyl Gutter	8.62	2.15

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0241		Half Round Vinyl Gutters *(07 71 23 00-0237)*		
07 71 23 00-0242	LF	4", Half Round Vinyl Gutter	7.11	2.15
07 71 23 00-0243	LF	5", Half Round Vinyl Gutter	7.42	2.15
07 71 23 00-0244		Vinyl Gutter End Caps *(07 71 23 00-0236)*		
07 71 23 00-0245		K-Style, Vinyl Gutter End Caps *(07 71 23 00-0244)*		
07 71 23 00-0246	EA	4", K-Style Vinyl Gutter End Cap	4.13	
07 71 23 00-0247	EA	5", K-Style Vinyl Gutter End Cap	5.55	
07 71 23 00-0248		Half Round, Vinyl Gutter End Caps *(07 71 23 00-0244)*		
07 71 23 00-0249	EA	4", Half Round Vinyl Gutter End Cap	4.65	
07 71 23 00-0250	EA	5", Half Round Vinyl Gutter End Cap	4.42	
07 71 23 00-0251		Vinyl Gutter Miters *(07 71 23 00-0236)* Note: Inside or outside miters.		
07 71 23 00-0252		K-Style, Vinyl Gutter Miters *(07 71 23 00-0251)*		
07 71 23 00-0253	EA	4", K-Style Vinyl Gutter Miter	9.95	
07 71 23 00-0254	EA	5", K-Style Vinyl Gutter Miter	14.53	
07 71 23 00-0255		Half Round, Vinyl Gutter Miters *(07 71 23 00-0251)*		
07 71 23 00-0256	EA	4", Half Round Vinyl Gutter Miter	9.95	
07 71 23 00-0257	EA	5", Half Round Vinyl Gutter Miter	10.74	
07 71 23 00-0258		Vinyl Downspouts *(07 71 23 00-0236)* Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0259		Round Vinyl Downspouts *(07 71 23 00-0258)*		
07 71 23 00-0260	LF	2-1/2" Diameter, Round Vinyl Downspout	4.51	2.07
07 71 23 00-0261	LF	3" Diameter, Round Vinyl Downspout	4.67	2.07
07 71 23 00-0262		Square Vinyl Downspouts *(07 71 23 00-0258)*		
07 71 23 00-0263	LF	2-1/2", Square Vinyl Downspout	4.44	2.07
07 71 23 00-0264		Rectangular Vinyl Downspouts *(07 71 23 00-0258)*		
07 71 23 00-0265	LF	2" x 3", Rectangular Vinyl Downspout	5.51	2.07
07 71 23 00-0266		Gutter And Downspout Boot *(07 71 23)*		
07 71 23 00-0267		Cast Iron Roof Drainage Downspout Boots *(07 71 23 00-0266)*		
07 71 23 00-0268	EA	2" x 3" Cast Iron Roof Drainage Downspout Boot	209.95	3.10
07 71 23 00-0269	EA	3" x 4" Cast Iron Roof Drainage Downspout Boot	220.49	3.10
07 71 23 00-0270	EA	4" x 5" Cast Iron Roof Drainage Downspout Boot	263.06	3.10
07 71 23 00-0271		Leaf Guards And Cleaning *(07 71 23)*		
07 71 23 00-0272	LF	Aluminum Mesh Gutter Leaf Guard	1.79	0.62
07 71 23 00-0273	LF	Vinyl Mesh Gutter Leaf Guard	1.85	0.62
07 71 23 00-0274	LF	6" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire	11.27	0.78
07 71 23 00-0275	LF	9" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire	16.13	0.78
07 71 23 00-0276	LF	6" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh	8.58	0.78
07 71 23 00-0277	LF	9" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh	13.24	0.78
07 71 23 00-0278	EA	Cleanout Roof Drain Note: Includes removing dome and flushing.	102.51	
07 71 23 00-0279	LF	Clean Gutters And Downspouts	1.23	
07 71 26		**Reglets** *(07 71)*		
07 71 26 00-0001		Counter Flashing With Reglet *(07 71 26)* Note: Includes reglet cut.		
07 71 26 00-0002		Galvanized Steel Counter Flashing With Reglet *(07 71 26 00-0001)*		
07 71 26 00-0003		Galvanized Steel Counter Flashing With Reglet *(07 71 26 00-0002)*		
07 71 26 00-0004	LF	28 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	8.95	3.15
07 71 26 00-0005	LF	26 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	9.02	3.15
07 71 26 00-0006	LF	24 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	9.15	3.15
07 71 26 00-0007	LF	22 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	9.63	3.15
07 71 26 00-0008	LF	20 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	9.90	3.15
07 71 26 00-0009	LF	18 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	10.21	3.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 26 00-0010		KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet *(07 71 26 00-0002)*		
07 71 26 00-0011	LF	28 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	10.14	3.15
07 71 26 00-0012	LF	26 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	10.24	3.15
07 71 26 00-0013	LF	24 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	10.43	3.15
07 71 26 00-0014	LF	22 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	11.12	3.15
07 71 26 00-0015	LF	20 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	11.52	3.15
07 71 26 00-0016	LF	18 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	11.98	3.15
07 71 26 00-0017		Aluminum Counter Flashing With Reglet *(07 71 26 00-0001)*		
07 71 26 00-0018		KYNAR 500® Finish, Aluminum Counter Flashing With Reglet *(07 71 26 00-0017)*		
07 71 26 00-0019	LF	0.019" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	9.87	3.15
07 71 26 00-0020	LF	0.025" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	10.43	3.15
07 71 26 00-0021	LF	0.032" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	11.00	3.15
07 71 26 00-0022	LF	0.040" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	11.41	3.15
07 71 26 00-0023	LF	0.050" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	12.31	3.15
07 71 26 00-0024	LF	0.063" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	13.63	3.15
07 71 26 00-0025		Mill Finish, Aluminum Counter Flashing With Reglet *(07 71 26 00-0017)*		
07 71 26 00-0026	LF	0.019" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	8.58	3.15
07 71 26 00-0027	LF	0.025" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	8.94	3.15
07 71 26 00-0028	LF	0.032" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	9.30	3.15
07 71 26 00-0029	LF	0.040" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	9.56	3.15
07 71 26 00-0030	LF	0.050" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	10.14	3.15
07 71 26 00-0031	LF	0.063" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	10.98	3.15
07 71 26 00-0032		Clear Anodized Finish, Aluminum Counter Flashing With Reglet *(07 71 26 00-0017)*		
07 71 26 00-0033	LF	0.019" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	9.61	3.15
07 71 26 00-0034	LF	0.025" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	10.13	3.15
07 71 26 00-0035	LF	0.032" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	10.65	3.15
07 71 26 00-0036	LF	0.040" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	11.03	3.15
07 71 26 00-0037	LF	0.050" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	11.87	3.15
07 71 26 00-0038	LF	0.063" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	13.09	3.15
07 71 26 00-0039		Stainless Steel Counter Flashing With Reglet *(07 71 26 00-0001)*		
07 71 26 00-0040		Stainless Steel Counter Flashing With Reglet *(07 71 26 00-0039)*		
07 71 26 00-0041	LF	24 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet	12.82	3.15
07 71 26 00-0042	LF	20 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet	13.98	3.15
07 71 26 00-0043		Copper Counter Flashing With Reglet *(07 71 26 00-0001)*		
07 71 26 00-0044		Copper Counter Flashing With Reglet *(07 71 26 00-0043)*		
07 71 26 00-0045	LF	16 Ounce, Up To 12" Wide, Copper Counter Flashing With Reglet	23.46	3.15

07 72 Roof Accessories *(07 70)*

07 72 13 Manufactured Curbs *(07 72)*

07 72 13 00-0001		Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13)*		
07 72 13 00-0002		Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0001)* Note: Includes pressure treated wood nailer, 1-1/2" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction, installation clips and 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips.		
07 72 13 00-0003		18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0002)*		
07 72 13 00-0004		9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0003)*		
07 72 13 00-0005	EA	26" x 26" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	303.07	81.04
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*22.20*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*52.51*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*3.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*24.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*35.30*	
07 72 13 00-0006	EA	26" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	309.07	81.04
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*22.80*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*53.71*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*4.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*32.05*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*42.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0007	EA	26" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	332.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*24.12*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*57.35*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*4.95*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*39.95*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*46.95*	
07 72 13 00-0008	EA	26" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	355.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*26.42*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*61.95*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*6.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*51.60*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*58.60*	
07 72 13 00-0009	EA	26" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	372.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*28.12*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*65.35*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*9.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*58.15*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*64.15*	
07 72 13 00-0010	EA	26" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	460.58	101.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*35.93*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*81.99*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*10.95*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*55.95*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*74.95*	
07 72 13 00-0011	EA	38" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	311.07	81.04
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*23.00*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*54.11*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*5.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*45.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*63.25*	
07 72 13 00-0012	EA	38" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	333.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*24.22*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*57.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*6.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*48.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*65.30*	
07 72 13 00-0013	EA	38" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	346.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*25.52*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*60.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*7.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*51.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*65.80*	
07 72 13 00-0014	EA	38" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	351.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*26.02*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*61.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*9.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*57.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*70.30*	
07 72 13 00-0015	EA	38" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	444.58	101.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*34.33*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*78.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*12.00*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*65.00*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*85.00*	
07 72 13 00-0016	EA	38" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	485.84	111.42
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*37.44*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*86.03*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*14.70*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*75.70*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*99.70*	
07 72 13 00-0017	EA	50" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	379.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*28.82*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*66.75*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*8.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*52.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*63.10*	
07 72 13 00-0018	EA	50" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	412.58	101.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*31.13*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*72.39*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*9.75*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*50.75*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*70.75*	
07 72 13 00-0019	EA	50" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	423.58	101.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*32.23*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*74.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*46.55*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*80.55*	
07 72 13 00-0020	EA	50" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	464.84	111.42
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*35.34*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*81.83*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*13.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*58.50*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*90.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0021	EA	51" x 99" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	497.10	121.55
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*37.56*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*87.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*15.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*71.45*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*96.45*	
07 72 13 00-0022	EA	51" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	537.36	131.68
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*40.57*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*94.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*18.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*81.60*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*115.60*	
07 72 13 00-0023	EA	62" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	423.58	101.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*32.23*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*74.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*12.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*45.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*83.30*	
07 72 13 00-0024	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	453.84	111.42
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*34.24*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*79.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*14.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*63.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*94.10*	
07 72 13 00-0025	EA	62" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	496.10	121.55
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*37.46*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*87.07*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*18.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*67.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*96.30*	
07 72 13 00-0026	EA	62" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	506.10	121.55
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*38.46*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*89.07*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*18.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*67.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*117.30*	
07 72 13 00-0027	EA	62" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	548.36	131.68
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*41.67*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*96.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*23.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*73.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*137.10*	

07 72 13 00-0028 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0003)*

07 72 13 00-0029	EA	26" x 26" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	316.07	81.04
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*23.50*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*55.11*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*3.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*24.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*35.30*	
07 72 13 00-0030	EA	26" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	319.07	81.04
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*23.80*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*55.71*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*4.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*32.05*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*42.05*	
07 72 13 00-0031	EA	26" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	342.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*25.12*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*59.35*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*4.95*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*39.95*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*46.95*	
07 72 13 00-0032	EA	26" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	368.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*27.72*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*64.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*6.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*51.60*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*58.60*	
07 72 13 00-0033	EA	26" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	387.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*29.62*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*68.35*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*9.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*58.15*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*64.15*	
07 72 13 00-0034	EA	26" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	472.58	101.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*37.13*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*84.39*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*10.95*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*55.95*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*74.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0035	EA	38" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	320.07	81.04
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*23.90*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*55.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*5.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*45.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*63.25*	
07 72 13 00-0036	EA	38" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	360.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*26.92*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*62.95*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*6.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*48.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*65.30*	
07 72 13 00-0037	EA	38" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	380.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*28.92*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*66.95*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*7.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*51.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*65.80*	
07 72 13 00-0038	EA	38" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	403.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*31.22*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*71.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*9.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*57.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*70.30*	
07 72 13 00-0039	EA	38" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	460.58	101.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*35.93*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*81.99*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*12.00*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*65.00*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*85.00*	
07 72 13 00-0040	EA	38" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	505.84	111.42
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*39.44*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*90.03*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*14.70*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*75.70*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*99.70*	
07 72 13 00-0041	EA	50" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	391.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*30.02*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*69.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*8.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*52.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*63.10*	
07 72 13 00-0042	EA	50" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	422.58	101.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*32.13*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*74.39*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*9.75*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*50.75*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*70.75*	
07 72 13 00-0043	EA	50" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	438.58	101.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*33.73*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*77.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*46.55*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*80.55*	
07 72 13 00-0044	EA	50" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	480.84	111.42
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*36.94*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*85.03*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*13.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*58.50*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*90.50*	
07 72 13 00-0045	EA	51" x 99" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	516.10	121.55
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*39.46*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*91.07*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*15.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*71.45*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*96.45*	
07 72 13 00-0046	EA	51" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	559.36	131.68
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*42.77*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*98.70*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*18.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*81.60*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*115.60*	
07 72 13 00-0047	EA	62" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	438.58	101.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*33.73*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*77.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*12.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*45.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*83.30*	
07 72 13 00-0048	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	469.84	111.42
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*35.84*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*82.83*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*14.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*63.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*94.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0049	EA	62" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	513.10	121.55
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*39.16*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*90.47*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*18.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*67.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*96.30*	
07 72 13 00-0050	EA	62" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	526.10	121.55
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*40.46*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*93.07*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*18.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*67.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*117.30*	
07 72 13 00-0051	EA	62" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	570.36	131.68
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*43.87*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*100.90*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*23.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*73.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*137.10*	
07 72 13 00-0052		14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0003)*		
07 72 13 00-0053	EA	26" x 26" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	323.07	81.04
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*24.20*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*56.51*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*3.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*24.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*35.30*	
07 72 13 00-0054	EA	26" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	326.07	81.04
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*24.50*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*57.11*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*4.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*32.05*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*42.05*	
07 72 13 00-0055	EA	26" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	347.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*25.62*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*60.35*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*4.95*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*39.95*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*46.95*	
07 72 13 00-0056	EA	26" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	376.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*28.52*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*66.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*6.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*51.60*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*58.60*	
07 72 13 00-0057	EA	26" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	398.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*30.72*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*70.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*9.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*58.15*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*64.15*	
07 72 13 00-0058	EA	26" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	486.58	101.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*38.53*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*87.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*10.95*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*55.95*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*74.95*	
07 72 13 00-0059	EA	38" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	326.07	81.04
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*24.50*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*57.11*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*5.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*45.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*63.25*	
07 72 13 00-0060	EA	38" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	347.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*25.62*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*60.35*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*6.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*48.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*65.30*	
07 72 13 00-0061	EA	38" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	398.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*30.72*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*70.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*7.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*51.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*65.80*	
07 72 13 00-0062	EA	38" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	422.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*33.12*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*75.35*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*9.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*57.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*70.30*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0063	EA	38" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	472.58	101.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*37.13*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*84.39*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*12.00*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*65.00*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*85.00*	
07 72 13 00-0064	EA	38" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	518.84	111.42
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*40.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*92.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*14.70*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*75.70*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*99.70*	
07 72 13 00-0065	EA	50" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	399.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*30.82*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*70.75*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*8.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*52.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*63.10*	
07 72 13 00-0066	EA	50" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	433.58	101.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*33.23*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*76.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*9.75*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*50.75*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*70.75*	
07 72 13 00-0067	EA	50" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	448.58	101.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*34.73*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*79.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*46.55*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*80.55*	
07 72 13 00-0068	EA	50" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	492.84	111.42
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*38.14*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*87.43*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*13.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*58.50*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*90.50*	
07 72 13 00-0069	EA	51" x 99" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	528.10	121.55
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*40.66*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*93.47*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*15.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*71.45*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*96.45*	
07 72 13 00-0070	EA	51" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	573.36	131.68
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*44.17*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*101.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*18.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*81.60*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*115.60*	
07 72 13 00-0071	EA	62" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	448.58	101.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*34.73*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*79.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*12.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*45.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*83.30*	
07 72 13 00-0072	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	480.84	111.42
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*36.94*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*85.03*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*14.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*63.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*94.10*	
07 72 13 00-0073	EA	62" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	526.10	121.55
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*40.46*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*93.07*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*18.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*67.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*96.30*	
07 72 13 00-0074	EA	62" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	539.10	121.55
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*41.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*95.67*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*18.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*67.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*117.30*	
07 72 13 00-0075	EA	62" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	585.36	131.68
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*45.37*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*103.90*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*23.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*73.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*137.10*	

07 72 13 00-0076 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0077		9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0076)*		
07 72 13 00-0078	EA	26" x 26" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	292.07	81.04
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*21.10*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*50.31*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*3.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*24.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*35.30*	
07 72 13 00-0079	EA	26" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	305.07	81.04
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*22.40*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*52.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*4.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*32.05*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*42.05*	
07 72 13 00-0080	EA	26" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	350.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*25.92*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*60.95*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*4.95*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*39.95*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*46.95*	
07 72 13 00-0081	EA	26" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	380.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*28.92*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*66.95*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*6.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*51.60*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*58.60*	
07 72 13 00-0082	EA	26" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	402.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*31.12*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*71.35*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*9.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*58.15*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*64.15*	
07 72 13 00-0083	EA	26" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	502.58	101.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*40.13*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*90.39*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*10.95*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*55.95*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*74.95*	
07 72 13 00-0084	EA	38" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	329.07	81.04
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*24.80*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*57.71*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*5.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*45.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*63.25*	
07 72 13 00-0085	EA	38" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	358.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*26.72*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*62.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*6.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*48.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*65.30*	
07 72 13 00-0086	EA	38" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	368.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*27.72*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*64.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*7.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*51.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*65.80*	
07 72 13 00-0087	EA	38" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	377.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*28.62*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*66.35*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*9.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*57.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*70.30*	
07 72 13 00-0088	EA	38" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	478.58	101.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*37.73*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*85.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*12.00*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*65.00*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*85.00*	
07 72 13 00-0089	EA	38" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	525.84	111.42
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*41.44*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*94.03*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*14.70*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*75.70*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*99.70*	
07 72 13 00-0090	EA	50" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	403.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*31.22*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*71.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*8.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*52.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*63.10*	
07 72 13 00-0091	EA	50" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	437.58	101.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*33.63*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*77.39*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*9.75*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*50.75*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*70.75*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0092	EA	50" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	453.58	101.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*35.23*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*80.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*46.55*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*80.55*	
07 72 13 00-0093	EA	50" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	498.84	111.42
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*38.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*88.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*13.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*58.50*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*90.50*	
07 72 13 00-0094	EA	51" x 99" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	534.10	121.55
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*41.26*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*94.67*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*15.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*71.45*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*96.45*	
07 72 13 00-0095	EA	51" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	580.36	131.68
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*44.87*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*102.90*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*18.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*81.60*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*115.60*	
07 72 13 00-0096	EA	62" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	453.58	101.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*35.23*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*80.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*12.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*45.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*83.30*	
07 72 13 00-0097	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	485.84	111.42
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*37.44*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*86.03*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*14.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*63.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*94.10*	
07 72 13 00-0098	EA	62" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	532.10	121.55
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*41.06*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*94.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*18.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*67.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*96.30*	
07 72 13 00-0099	EA	62" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	546.10	121.55
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*42.46*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*97.07*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*18.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*67.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*117.30*	
07 72 13 00-0100	EA	62" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	593.36	131.68
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*46.17*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*105.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*23.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*73.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*137.10*	

07 72 13 00-0101 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0076)*

07 72 13 00-0102	EA	26" x 26" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	301.07	81.04
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*22.00*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*52.11*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*3.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*24.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*35.30*	
07 72 13 00-0103	EA	26" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	316.07	81.04
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*23.50*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*55.11*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*4.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*32.05*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*42.05*	
07 72 13 00-0104	EA	26" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	365.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*27.42*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*63.95*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*4.95*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*39.95*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*46.95*	
07 72 13 00-0105	EA	26" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	398.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*30.72*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*70.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*6.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*51.60*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*58.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0106	EA	26" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	425.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*33.42*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*75.95*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*9.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*58.15*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*64.15*	
07 72 13 00-0107	EA	26" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	506.58	101.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*40.53*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*91.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*10.95*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*55.95*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*74.95*	
07 72 13 00-0108	EA	38" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	342.07	81.04
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*26.10*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*60.31*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*5.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*45.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*63.25*	
07 72 13 00-0109	EA	38" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	374.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*28.32*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*65.75*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*6.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*48.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*65.30*	
07 72 13 00-0110	EA	38" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	387.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*29.62*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*68.35*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*7.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*51.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*65.80*	
07 72 13 00-0111	EA	38" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	399.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*30.82*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*70.75*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*9.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*57.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*70.30*	
07 72 13 00-0112	EA	38" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	502.58	101.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*40.13*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*90.39*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*12.00*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*65.00*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*85.00*	
07 72 13 00-0113	EA	38" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	554.84	111.42
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*44.34*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*99.83*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*14.70*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*75.70*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*99.70*	
07 72 13 00-0114	EA	50" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	421.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*33.02*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*75.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*8.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*52.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*63.10*	
07 72 13 00-0115	EA	50" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	457.58	101.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*35.63*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*81.39*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*9.75*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*50.75*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*70.75*	
07 72 13 00-0116	EA	50" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	476.58	101.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*37.53*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*85.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*46.55*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*80.55*	
07 72 13 00-0117	EA	50" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	522.84	111.42
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*41.14*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*93.43*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*13.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*58.50*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*90.50*	
07 72 13 00-0118	EA	51" x 99" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	562.10	121.55
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*44.06*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*100.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*15.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*71.45*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*96.45*	
07 72 13 00-0119	EA	51" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	612.36	131.68
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*48.07*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*109.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*18.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*81.60*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*115.60*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0120		EA	62" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	476.58	101.29
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*37.53*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*85.19*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*12.30*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*45.30*	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*83.30*	
07 72 13 00-0121		EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	511.84	111.42
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*40.04*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*91.23*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*14.10*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*63.10*	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*94.10*	
07 72 13 00-0122		EA	62" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	560.10	121.55
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*43.86*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*99.87*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*18.30*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*67.30*	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*96.30*	
07 72 13 00-0123		EA	62" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	575.10	121.55
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*45.36*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*102.87*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*18.30*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*67.30*	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*117.30*	
07 72 13 00-0124		EA	62" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	627.36	131.68
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*49.57*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*112.30*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*23.10*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*73.10*	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*137.10*	

07 72 13 00-0125 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0076)*

07 72 13 00-0126		EA	26" x 26" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	308.07	81.04
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*22.70*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*53.51*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*3.30*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*24.30*	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*35.30*	
07 72 13 00-0127		EA	26" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	324.07	81.04
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*24.30*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*56.71*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*4.05*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*32.05*	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*42.05*	
07 72 13 00-0128		EA	26" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	374.33	91.16
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*28.32*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*65.75*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*4.95*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*39.95*	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*46.95*	
07 72 13 00-0129		EA	26" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	410.33	91.16
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*31.92*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*72.95*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*6.60*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*51.60*	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*58.60*	
07 72 13 00-0130		EA	26" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	440.33	91.16
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*34.92*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*78.95*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*9.15*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*58.15*	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*64.15*	
07 72 13 00-0131		EA	26" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	538.58	101.29
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*43.73*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*97.59*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*10.95*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*55.95*	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*74.95*	
07 72 13 00-0132		EA	38" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	352.07	81.04
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*27.10*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*62.31*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*5.25*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*45.25*	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*63.25*	
07 72 13 00-0133		EA	38" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	391.33	91.16
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*30.02*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*69.15*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*6.30*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*48.30*	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*65.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0134	EA	38" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	409.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*31.82*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*72.75*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*7.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*51.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*65.80*	
07 72 13 00-0135	EA	38" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	413.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*32.22*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*73.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*9.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*57.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*70.30*	
07 72 13 00-0136	EA	38" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	520.58	101.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*41.93*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*93.99*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*12.00*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*65.00*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*85.00*	
07 72 13 00-0137	EA	38" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	574.84	111.42
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*46.34*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*103.83*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*14.70*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*75.70*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*99.70*	
07 72 13 00-0138	EA	50" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	433.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*34.22*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*77.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*8.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*52.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*63.10*	
07 72 13 00-0139	EA	50" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	470.58	101.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*36.93*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*83.99*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*9.75*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*50.75*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*70.75*	
07 72 13 00-0140	EA	50" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	491.58	101.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*39.03*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*88.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*46.55*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*80.55*	
07 72 13 00-0141	EA	50" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	540.84	111.42
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*42.94*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*97.03*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*13.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*58.50*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*90.50*	
07 72 13 00-0142	EA	51" x 99" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	580.10	121.55
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*45.86*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*103.87*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*15.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*71.45*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*96.45*	
07 72 13 00-0143	EA	51" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	634.36	131.68
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*50.27*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*113.70*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*18.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*81.60*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*115.60*	
07 72 13 00-0144	EA	62" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	491.58	101.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*39.03*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*88.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*12.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*45.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*83.30*	
07 72 13 00-0145	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	529.84	111.42
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*41.84*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*94.83*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*14.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*63.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*94.10*	
07 72 13 00-0146	EA	62" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	577.10	121.55
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*45.56*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*103.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*18.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*67.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*96.30*	
07 72 13 00-0147	EA	62" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	595.10	121.55
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*47.36*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*106.87*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*18.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*67.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*117.30*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	07 72 13 00-0148	EA	62" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	649.36	131.68
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*51.77*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*116.70*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*23.10*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*73.10*	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*137.10*	
	07 72 13 00-0149		Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs *(07 72 13 00-0001)*		
			Note: Includes 1" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction and installation clips.		
	07 72 13 00-0150		6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs *(07 72 13 00-0149)*		
	07 72 13 00-0151	EA	14-1/2" To 23" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	349.71	81.04
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*26.87*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*61.84*	
	07 72 13 00-0152	EA	23-1/2" To 32" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	433.01	81.04
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*35.20*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*78.50*	
	07 72 13 00-0153	EA	32-1/2" To 41" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	499.59	91.16
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*40.84*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*90.80*	
	07 72 13 00-0154	EA	41" To 49-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	566.11	91.16
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*47.49*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*104.11*	
	07 72 13 00-0155	EA	50" To 58-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	625.03	101.29
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*52.37*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*114.88*	
	07 72 13 00-0156		12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs *(07 72 13 00-0149)*		
	07 72 13 00-0157	EA	14-1/2" To 23" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	471.68	81.04
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*39.06*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*86.23*	
	07 72 13 00-0158	EA	23-1/2" To 32" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	584.73	81.04
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*50.37*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*108.84*	
	07 72 13 00-0159	EA	32-1/2" To 41" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	608.18	91.16
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*51.70*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*112.52*	
	07 72 13 00-0160	EA	41" To 49-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	650.68	91.16
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*55.95*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*121.02*	
	07 72 13 00-0161	EA	50" To 58-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	730.43	101.29
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*62.91*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*135.96*	
	07 72 13 00-0162	EA	64" To 72-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	914.32	111.42
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*80.29*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*171.72*	
	07 72 13 00-0163		18" To 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs *(07 72 13 00-0149)*		
	07 72 13 00-0164	EA	17-1/2" To 22" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	672.07	81.04
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*59.10*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*126.31*	
	07 72 13 00-0165	EA	24" To 29" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	787.67	81.04
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*70.66*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*149.43*	
	07 72 13 00-0166	EA	31" To 46" Square Outside Dimensions, 18" Height, 16 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	945.21	91.16
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*85.40*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*179.93*	
	07 72 13 00-0167		Wood, Prefabricated Roof Curbs *(07 72 13)*		
			Note: Includes Douglas fir construction, galvanized steel corner straps and installation clips. Includes 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0168		Wood Framed, Prefabricated Roof Curbs *(07 72 13 00-0167)*		
07 72 13 00-0169		2 x 6 Wood Framed, Prefabricated Roof Curbs *(07 72 13 00-0168)*		
07 72 13 00-0170	EA	26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	243.07	81.04
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*16.20*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*40.51*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*3.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*24.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*35.30*	
07 72 13 00-0171	EA	26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	269.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*17.82*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*44.75*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*4.95*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*39.95*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*46.95*	
07 72 13 00-0172	EA	26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	295.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*20.42*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*49.95*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*9.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*58.15*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*64.15*	
07 72 13 00-0173	EA	38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	292.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*20.12*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*49.35*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*7.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*51.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*65.80*	
07 72 13 00-0174	EA	38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	299.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*20.82*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*50.75*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*9.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*57.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*70.30*	
07 72 13 00-0175	EA	38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	336.58	101.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*23.53*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*57.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*12.00*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*65.00*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*85.00*	
07 72 13 00-0176	EA	50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	297.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*20.62*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*50.35*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*8.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*52.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*63.10*	
07 72 13 00-0177	EA	50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	345.58	101.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*24.43*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*58.99*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*46.55*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*80.55*	
07 72 13 00-0178	EA	51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	386.10	121.55
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*26.46*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*65.07*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*15.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*71.45*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*96.45*	
07 72 13 00-0179	EA	62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	327.58	101.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*22.63*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*55.39*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*12.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*45.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*83.30*	
07 72 13 00-0180	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	359.84	111.42
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*24.84*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*60.83*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*14.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*63.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*94.10*	
07 72 13 00-0181	EA	62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	406.10	121.55
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*28.46*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*69.07*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*18.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*67.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*117.30*	
07 72 13 00-0182		2 x 8 Wood Framed, Prefabricated Roof Curbs *(07 72 13 00-0168)*		
07 72 13 00-0183	EA	26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	249.07	81.04
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*16.80*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*41.71*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*3.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*24.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*35.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0184	EA	26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	276.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*18.52*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*46.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*4.95*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*39.95*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*46.95*	
07 72 13 00-0185	EA	26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	314.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*22.32*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*53.75*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*9.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*58.15*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*64.15*	
07 72 13 00-0186	EA	38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	304.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*21.32*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*51.75*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*7.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*51.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*65.80*	
07 72 13 00-0187	EA	38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	314.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*22.32*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*53.75*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*9.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*57.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*70.30*	
07 72 13 00-0188	EA	38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	351.58	101.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*25.03*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*60.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*12.00*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*65.00*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*85.00*	
07 72 13 00-0189	EA	50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	308.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*21.72*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*52.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*8.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*52.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*63.10*	
07 72 13 00-0190	EA	50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	359.58	101.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*25.83*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*61.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*46.55*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*80.55*	
07 72 13 00-0191	EA	51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	400.10	121.55
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*27.86*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*67.87*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*15.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*71.45*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*96.45*	
07 72 13 00-0192	EA	62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	338.58	101.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*23.73*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*57.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*12.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*45.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*83.30*	
07 72 13 00-0193	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	372.84	111.42
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*26.14*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*63.43*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*14.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*63.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*94.10*	
07 72 13 00-0194	EA	62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	420.10	121.55
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*29.86*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*71.87*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*18.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*67.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*117.30*	
07 72 13 00-0195		2 x 10 Wood Framed, Prefabricated Roof Curbs *(07 72 13 00-0168)*		
07 72 13 00-0196	EA	26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	253.07	81.04
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*17.20*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*42.51*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*3.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*24.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*35.30*	
07 72 13 00-0197	EA	26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	283.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*19.22*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*47.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*4.95*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*39.95*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*46.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0198	EA	26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	316.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*22.52*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*54.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*9.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*58.15*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*64.15*	
07 72 13 00-0199	EA	38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	311.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*22.02*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*53.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*7.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*51.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*65.80*	
07 72 13 00-0200	EA	38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	323.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*23.22*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*55.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*9.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*57.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*70.30*	
07 72 13 00-0201	EA	38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	361.58	101.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*26.03*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*62.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*12.00*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*65.00*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*85.00*	
07 72 13 00-0202	EA	50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	315.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*22.42*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*53.95*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*8.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*52.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*63.10*	
07 72 13 00-0203	EA	50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	368.58	101.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*26.73*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*63.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*46.55*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*80.55*	
07 72 13 00-0204	EA	51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	409.10	121.55
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*28.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*69.67*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*15.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*71.45*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*96.45*	
07 72 13 00-0205	EA	62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	345.58	101.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*24.43*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*58.99*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*12.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*45.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*83.30*	
07 72 13 00-0206	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	380.84	111.42
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*26.94*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*65.03*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*14.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*63.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*94.10*	
07 72 13 00-0207	EA	62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	430.10	121.55
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*30.86*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*73.87*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*18.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*67.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*117.30*	

07 72 13 00-0208 2 x 12 Wood Framed, Prefabricated Roof Curbs *(07 72 13 00-0168)*

07 72 13 00-0209	EA	26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	258.07	81.04
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*17.70*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*43.51*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*3.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*24.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*35.30*	
07 72 13 00-0210	EA	26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	287.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*19.62*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*48.35*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*4.95*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*39.95*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*46.95*	
07 72 13 00-0211	EA	26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	325.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*23.42*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*55.95*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*9.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*58.15*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*64.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0212	EA	38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	333.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*24.22*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*57.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*9.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*57.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*70.30*	
07 72 13 00-0213	EA	38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	372.58	101.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*27.13*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*64.39*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*12.00*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*65.00*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*85.00*	
07 72 13 00-0214	EA	50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	324.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*23.32*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*55.75*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*8.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*52.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*63.10*	
07 72 13 00-0215	EA	50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	378.58	101.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*27.73*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*65.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*46.55*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*80.55*	
07 72 13 00-0216	EA	51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	421.10	121.55
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*29.96*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*72.07*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*15.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*71.45*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*96.45*	
07 72 13 00-0217	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	388.84	111.42
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*27.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*66.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*14.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*63.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*94.10*	
07 72 13 00-0218		Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0167)*		
07 72 13 00-0219		2 x 6 Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0218)*		
07 72 13 00-0220	EA	26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	251.07	81.04
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*17.00*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*42.11*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*3.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*24.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*35.30*	
07 72 13 00-0221	EA	26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	276.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*18.52*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*46.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*4.95*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*39.95*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*46.95*	
07 72 13 00-0222	EA	26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	308.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*21.72*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*52.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*9.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*58.15*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*64.15*	
07 72 13 00-0223	EA	38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	301.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*21.02*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*51.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*7.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*51.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*65.80*	
07 72 13 00-0224	EA	38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	310.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*21.92*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*52.95*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*9.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*57.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*70.30*	
07 72 13 00-0225	EA	38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	348.58	101.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*24.73*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*59.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*12.00*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*65.00*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*85.00*	
07 72 13 00-0226	EA	50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	306.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*21.52*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*52.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*8.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*52.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*63.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0227	EA	50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	356.58	101.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*25.53*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*61.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*46.55*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*80.55*	
07 72 13 00-0228	EA	51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	397.10	121.55
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*27.56*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*67.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*15.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*71.45*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*96.45*	
07 72 13 00-0229	EA	62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	339.58	101.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*23.83*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*57.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*12.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*45.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*83.30*	
07 72 13 00-0230	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	370.84	111.42
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*25.94*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*63.03*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*14.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*63.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*94.10*	
07 72 13 00-0231	EA	62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	420.10	121.55
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*29.86*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*71.87*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*18.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*67.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*117.30*	
07 72 13 00-0232		2 x 8 Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0218)*		
07 72 13 00-0233	EA	26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	258.07	81.04
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*17.70*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*43.51*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*3.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*24.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*35.30*	
07 72 13 00-0234	EA	26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	284.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*19.32*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*47.75*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*4.95*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*39.95*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*46.95*	
07 72 13 00-0235	EA	26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	320.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*22.92*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*54.95*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*9.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*58.15*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*64.15*	
07 72 13 00-0236	EA	38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	313.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*22.22*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*53.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*7.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*51.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*65.80*	
07 72 13 00-0237	EA	38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	326.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*23.52*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*56.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*9.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*57.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*70.30*	
07 72 13 00-0238	EA	38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	366.58	101.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*26.53*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*63.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*12.00*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*65.00*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*85.00*	
07 72 13 00-0239	EA	50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	320.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*22.92*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*54.95*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*8.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*52.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*63.10*	
07 72 13 00-0240	EA	50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	373.58	101.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*27.23*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*64.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*46.55*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*80.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0241	EA	51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	416.10	121.55
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*29.46*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*71.07*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*15.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*71.45*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*96.45*	
07 72 13 00-0242	EA	62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	352.58	101.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*25.13*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*60.39*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*12.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*45.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*83.30*	
07 72 13 00-0243	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	385.84	111.42
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*27.44*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*66.03*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*14.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*63.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*94.10*	
07 72 13 00-0244	EA	62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	437.10	121.55
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*31.56*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*75.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*18.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*67.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*117.30*	
07 72 13 00-0245		2 x 10 Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0218)*		
07 72 13 00-0246	EA	26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	264.07	81.04
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*18.30*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*44.71*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*3.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*24.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*35.30*	
07 72 13 00-0247	EA	26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	292.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*20.12*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*49.35*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*4.95*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*39.95*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*46.95*	
07 72 13 00-0248	EA	26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	332.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*24.12*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*57.35*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*9.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*58.15*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*64.15*	
07 72 13 00-0249	EA	38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	322.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*23.12*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*55.35*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*7.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*51.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*65.80*	
07 72 13 00-0250	EA	38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	338.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*24.72*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*58.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*9.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*57.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*70.30*	
07 72 13 00-0251	EA	38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	379.58	101.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*27.83*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*65.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*12.00*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*65.00*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*85.00*	
07 72 13 00-0252	EA	50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	329.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*23.82*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*56.75*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*8.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*52.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*63.10*	
07 72 13 00-0253	EA	50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	384.58	101.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*28.33*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*66.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*46.55*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*80.55*	
07 72 13 00-0254	EA	51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	428.10	121.55
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*30.66*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*73.47*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*15.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*71.45*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*96.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0255	EA	62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	362.58	101.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*26.13*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*62.39*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*12.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*45.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*83.30*	
07 72 13 00-0256	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	396.84	111.42
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*28.54*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*68.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*14.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*63.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*94.10*	
07 72 13 00-0257	EA	62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	450.10	121.55
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*32.86*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*77.87*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*18.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*67.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*117.30*	
07 72 13 00-0258		2 x 12 Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0218)*		
07 72 13 00-0259	EA	26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	276.07	81.04
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*19.50*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*47.11*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*3.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*24.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*35.30*	
07 72 13 00-0260	EA	26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	298.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*20.72*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*50.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*4.95*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*39.95*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*46.95*	
07 72 13 00-0261	EA	26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	341.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*25.02*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*59.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*9.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*58.15*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*64.15*	
07 72 13 00-0262	EA	38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	348.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*25.72*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*60.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*9.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*57.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*70.30*	
07 72 13 00-0263	EA	38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	417.58	101.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*31.63*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*73.39*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*12.00*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*65.00*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*85.00*	
07 72 13 00-0264	EA	50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	358.33	91.16
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*26.72*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*62.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*8.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*52.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*63.10*	
07 72 13 00-0265	EA	50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	419.58	101.29
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*31.83*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*73.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*46.55*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*80.55*	
07 72 13 00-0266	EA	51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	468.10	121.55
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*34.66*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*81.47*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*15.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*71.45*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*96.45*	
07 72 13 00-0267	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	433.84	111.42
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*32.24*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*75.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*14.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*63.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*94.10*	

07 72 23 Relief Vents *(07 72)*

07 72 23 00-0001 Wind Driven Turbine Ventilators *(07 72 23)*
Note: Excludes curb or flange base.

07 72 23 00-0002 Galvanized Steel, Wind Driven Turbine Ventilators *(07 72 23 00-0001)*

07 72 23 00-0003	EA	6" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	92.21	24.14
		For Curb Or Flange Base, Add	*110.46*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 23 00-0004		EA	9" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	109.88	26.72
			For Curb Or Flange Base, Add	*121.92*	
07 72 23 00-0005		EA	12" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	120.08	31.89
			For Curb Or Flange Base, Add	*137.67*	
07 72 23 00-0006		EA	15" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	218.56	35.35
			For Curb Or Flange Base, Add	*207.33*	
07 72 23 00-0007		EA	18" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	296.93	39.65
			For Curb Or Flange Base, Add	*225.64*	
07 72 23 00-0008		EA	21" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	355.94	43.10
			For Curb Or Flange Base, Add	*244.61*	
07 72 23 00-0009		EA	24" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	451.79	48.27
			For Curb Or Flange Base, Add	*296.02*	
07 72 23 00-0010		EA	36" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	739.62	64.65
			For Curb Or Flange Base, Add	*473.20*	

07 72 23 00-0011 Mill Finish Aluminum, Wind Driven Turbine Ventilators *(07 72 23 00-0001)*

07 72 23 00-0012		EA	6" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	96.72	24.14
			For Curb Or Flange Base, Add	*120.43*	
07 72 23 00-0013		EA	9" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	119.69	26.72
			For Curb Or Flange Base, Add	*132.95*	
07 72 23 00-0014		EA	12" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	134.71	31.89
			For Curb Or Flange Base, Add	*148.91*	
07 72 23 00-0015		EA	15" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	233.08	35.35
			For Curb Or Flange Base, Add	*243.05*	
07 72 23 00-0016		EA	18" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	298.91	39.65
			For Curb Or Flange Base, Add	*260.76*	
07 72 23 00-0017		EA	21" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	375.84	43.10
			For Curb Or Flange Base, Add	*292.67*	
07 72 23 00-0018		EA	24" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	504.58	48.27
			For Curb Or Flange Base, Add	*351.49*	
07 72 23 00-0019		EA	36" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	749.34	64.65
			For Curb Or Flange Base, Add	*523.85*	

07 72 23 00-0020 Stationary Siphon Ventilators *(07 72 23)*

Note: Excludes curb or flange base.

07 72 23 00-0021 Galvanized Steel, Stationary Siphon Ventilators *(07 72 23 00-0020)*

07 72 23 00-0022		EA	6" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	79.54	24.14
			For Curb Or Flange Base, Add	*110.46*	
07 72 23 00-0023		EA	9" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	102.63	26.72
			For Curb Or Flange Base, Add	*121.92*	
07 72 23 00-0024		EA	12" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	114.14	31.89
			For Curb Or Flange Base, Add	*137.67*	
07 72 23 00-0025		EA	15" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	186.03	35.35
			For Curb Or Flange Base, Add	*207.33*	
07 72 23 00-0026		EA	18" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	214.61	39.65
			For Curb Or Flange Base, Add	*225.64*	
07 72 23 00-0027		EA	21" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	297.76	43.10
			For Curb Or Flange Base, Add	*244.61*	
07 72 23 00-0028		EA	24" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	384.37	48.27
			For Curb Or Flange Base, Add	*296.02*	
07 72 23 00-0029		EA	36" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	554.65	64.65
			For Curb Or Flange Base, Add	*473.20*	

07 72 23 00-0030 Mill Finish Aluminum, Stationary Siphon Ventilators *(07 72 23 00-0020)*

07 72 23 00-0031		EA	6" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	93.27	24.14
			For Curb Or Flange Base, Add	*120.43*	
07 72 23 00-0032		EA	9" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	121.75	26.72
			For Curb Or Flange Base, Add	*132.95*	
07 72 23 00-0033		EA	12" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	136.45	31.89
			For Curb Or Flange Base, Add	*148.91*	
07 72 23 00-0034		EA	15" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	216.81	35.35
			For Curb Or Flange Base, Add	*243.05*	
07 72 23 00-0035		EA	18" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	271.25	39.65
			For Curb Or Flange Base, Add	*260.76*	
07 72 23 00-0036		EA	21" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	330.89	43.10
			For Curb Or Flange Base, Add	*292.67*	
07 72 23 00-0037		EA	24" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	470.02	48.27
			For Curb Or Flange Base, Add	*351.49*	
07 72 23 00-0038		EA	36" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	705.17	64.65
			For Curb Or Flange Base, Add	*523.85*	

07 72 23 00-0039 Spun Aluminum, Stationary Mushroom Gravity Ventilators *(07 72 23)*

Note: Includes flange base and bird screen. Excludes curb.

07 72 23 00-0040		EA	8" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	195.70	38.79
			For Backdraft Damper, Add	*93.87*	
			For Curb Base, Add	*147.78*	
07 72 23 00-0041		EA	10" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	239.17	43.10
			For Backdraft Damper, Add	*102.71*	
			For Curb Base, Add	*161.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 23 00-0042	EA	12" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	271.77	51.72
		For Backdraft Damper, Add	*140.26*	
		For Curb Base, Add	*204.48*	
07 72 23 00-0043	EA	16" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	328.87	56.89
		For Backdraft Damper, Add	*160.14*	
		For Curb Base, Add	*236.30*	
07 72 23 00-0044	EA	24" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	844.44	77.58
		For Backdraft Damper, Add	*201.00*	
		For Curb Base, Add	*311.69*	
07 72 23 00-0045	EA	30" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	1,029.22	89.65
		For Backdraft Damper, Add	*237.44*	
		For Curb Base, Add	*371.96*	
07 72 23 00-0046	EA	36" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	1,395.02	103.44
		For Backdraft Damper, Add	*237.44*	
		For Curb Base, Add	*389.08*	
07 72 23 00-0047	EA	42" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	1,947.78	112.06
		For Backdraft Damper, Add	*248.49*	
		For Curb Base, Add	*404.20*	
07 72 23 00-0048	EA	48" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	2,786.58	120.68
		For Backdraft Damper, Add	*276.10*	
		For Curb Base, Add	*453.56*	

07 72 23 00-0049 Galvanized Steel, Stationary Gooseneck Ventilators *(07 72 23)*

Note: Includes flange base and bird screen. Excludes curb.

07 72 23 00-0050	EA	8" x 8", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	319.93	43.10
07 72 23 00-0051	EA	12" x 12", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	379.42	56.89
07 72 23 00-0052	EA	16" x 16", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	543.47	77.58
07 72 23 00-0053	EA	24" x 24", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	823.31	89.65

07 72 26 Ridge Vents *(07 72)*

07 72 26 00-0001 Aluminum Ridge Vents *(07 72 26)*

07 72 26 00-0002	LF	Aluminum Ridge Vent Strips	7.48	2.50
07 72 26 00-0003	EA	Aluminum Ridge Univent Connectors	36.56	15.52
07 72 26 00-0004	EA	Aluminum Ridge Univent End Cap	35.41	15.52

07 72 26 00-0005 Galvanized Ridge Vents *(07 72 26)*

07 72 26 00-0006	LF	Galvanized Sheet Metal Ridge Vent Strips	8.78	2.68

07 72 29 Rafter Vent *(07 72)*

07 72 29 00-0001 Rafter Vent *(07 72 29)*

Note: Built-in baffle is designed to help keep air flowing freely from soffits to ridge vents.

07 72 29 00-0002	EA	22" x 4' Rafter Vent	6.66	
07 72 29 00-0003	EA	14" x 4' Rafter Vent	6.12	

07 72 33 Roof Hatches *(07 72)*

Note: Includes curb with integral insulation, lockable hatch and gaskets.

07 72 33 00-0001 Galvanized Steel Cover And Curb *(07 72 33)*

07 72 33 00-0002	EA	2'-6" x 3'-0" Galvanized Steel Roof Hatch (Bilco S-20)	872.86	111.85
07 72 33 00-0003	EA	2'-6" x 4'-6" Galvanized Steel Roof Hatch (Bilco NB-20)	1,272.38	124.29
07 72 33 00-0004	EA	2'-6" x 8'-0" Galvanized Steel Roof Hatch (Bilco L-20)	2,236.18	169.50
07 72 33 00-0005	EA	3'-0" x 3'-0" Galvanized Steel Roof Hatch (Bilco E-20)	1,252.55	124.29
07 72 33 00-0006	EA	4'-0" x 4'-0" Galvanized Steel Roof Hatch	1,413.03	138.12
07 72 33 00-0007	EA	3'-0" x 8'-0" Galvanized Steel Roof Hatch	2,310.52	188.37

07 72 33 00-0008 Aluminum Cover And Curb *(07 72 33)*

07 72 33 00-0009	EA	2'-6" x 3'-0" Aluminum Roof Hatch (Bilco S-50)	988.15	111.85
07 72 33 00-0010	EA	2'-6" x 4'-6" Aluminum Roof Hatch (Bilco NB-50)	1,289.91	124.29
07 72 33 00-0011	EA	2'-6" x 8'-0" Aluminum Roof Hatch (Bilco L-50)	2,359.44	169.50
07 72 33 00-0012	EA	3'-0" x 3'-0" Aluminum Roof Hatch (Bilco E-50)	1,263.70	124.29
07 72 33 00-0013	EA	4'-0" x 4'-0" Aluminum Roof Hatch (Bilco F-50)	2,273.21	138.12
07 72 33 00-0014	EA	3'-0" x 8'-0" Aluminum Roof Hatch	2,488.51	188.37
07 72 33 00-0015	EA	3'-0" x 2'-6" Aluminum Roof Scuttle With Skylight (Bilco GS-50)	1,421.69	124.29

07 72 33 00-0016 Steel, Plain, Primed *(07 72 33)*

07 72 33 00-0017	EA	2'-6" x 3'-0" Plain Steel Roof Hatch Primed (Bilco S-20)	837.99	111.85
07 72 33 00-0018	EA	2'-6" x 4'-6" Plain Steel Roof Hatch Primed (Bilco NB-20)	1,127.56	124.29
07 72 33 00-0019	EA	2'-6" x 8'-0" Plain Steel Roof Hatch Primed (Bilco L-20)	1,544.53	169.50
07 72 33 00-0020	EA	3'-0" x 3'-0" Plain Steel Roof Hatch Primed (Bilco E-20)	1,046.67	124.29
07 72 33 00-0021	EA	4'-0" x 4'-0" Plain Steel Roof Hatch Primed	1,280.21	138.12
07 72 33 00-0022	EA	3'-0" x 8'-0" Plain Steel Roof Hatch Primed	1,739.38	188.37

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 33 00-0023		Stainless Steel *(07 72 33)*		
07 72 33 00-0024	EA	2'-6" x 3'-0" Stainless Steel Roof Hatch (Bilco S-90)	2,234.07	111.85
07 72 33 00-0025	EA	2'-6" x 4'-6" Stainless Steel Roof Hatch (Bilco NB-90)	4,299.25	124.29
07 72 33 00-0026	EA	2'-6" x 8'-0" Stainless Steel Roof Hatch (Bilco L-90)	6,469.80	169.50
07 72 33 00-0027	EA	3'-0" x 3'-0" Stainless Steel Roof Hatch (Bilco E-90)	3,446.16	124.29
07 72 33 00-0028	EA	4'-0" x 4'-0" Stainless Steel Roof Hatch	7,314.60	138.12
07 72 33 00-0029	EA	3'-0" x 8'-0" Stainless Steel Roof Hatch	8,184.60	188.37
07 72 33 00-0030		Remove And Reinstall Roof Hatch *(07 72 33)* Note: Includes storage, cleaning and supply materials.		
07 72 33 00-0031	EA	Remove And Reinstall Roof Hatch (All Types)	344.06	
07 72 33 00-0032		Aluminum Cover And Galvanized Steel Curb *(07 72 33)*		
07 72 33 00-0033	EA	Aluminum Cover, Galvanized Steel Curb 3'-0" x 2'-6" Roof (Bilco S-40)	956.27	124.29
07 72 33 00-0034	EA	Aluminum Cover, Galvanized Steel Curb 2'-6" x 4'-6" Roof (Bilco NB-40)	1,258.03	138.12
07 72 33 00-0035	EA	Aluminum Cover, Galvanized Steel Curb 2'-6" x 8'-0" Roof (Bilco L-40)	2,276.56	188.30
07 72 33 00-0036	EA	Aluminum Cover, Galvanized Steel Curb 3'-0" x 3'-0" Roof (Bilco E-40)	1,238.20	128.17
07 72 33 00-0037	EA	Aluminum Cover, Galvanized Steel Curb 4'-0" x 4'-0" Roof (Bilco F-40)	2,203.08	142.00
07 72 33 00-0038		Roof Hatch Accessories *(07 72 33)*		
07 72 33 00-0039	EA	Roof Hatch Ladderup Safety Post (Bilco LU-1)	567.54	58.26
07 72 36		**Smoke Vents** *(07 72)*		
07 72 36 00-0001		Fire Vent *(07 72 36)*		
07 72 36 00-0002		Galvanized Steel Covers And Curb *(07 72 36 00-0001)*		
07 72 36 00-0003	EA	4'-0" x 4'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4848)	2,227.43	103.63
07 72 36 00-0004	EA	4'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4872)	2,564.62	142.46
07 72 36 00-0005	EA	4'-0" x 7'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4890)	2,922.76	155.43
07 72 36 00-0006	EA	4'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4896)	2,980.90	163.21
07 72 36 00-0007	EA	5'-0" x 5'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6060)	3,454.55	142.46
07 72 36 00-0008	EA	5'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6072)	3,673.22	155.43
07 72 36 00-0009	EA	5'-0" x 7'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6084)	3,878.57	168.41
07 72 36 00-0010	EA	5'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6096)	4,416.01	181.38
07 72 36 00-0011	EA	5'-0" x 10'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-60120)	5,478.11	194.28
07 72 36 00-0012	EA	5'-6" x 5'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6666)	3,672.69	168.41
07 72 36 00-0013	EA	5'-6" x 12'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-66114)	7,715.71	207.25
07 72 36 00-0014	EA	6'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-7272)	4,235.19	220.22
07 72 36 00-0015		Aluminum Covers And Galvanized Steel Curb *(07 72 36 00-0001)*		
07 72 36 00-0016	EA	4'-0" x 4'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4848A)	2,221.05	103.63
07 72 36 00-0017	EA	4'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4872A)	2,540.71	142.46
07 72 36 00-0018	EA	4'-0" x 7'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4890A)	2,859.80	155.43
07 72 36 00-0019	EA	4'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4896A)	2,960.71	163.21
07 72 36 00-0020	EA	5'-0" x 5'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6060A)	2,878.62	142.46
07 72 36 00-0021	EA	5'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6072A)	3,682.25	155.43
07 72 36 00-0022	EA	5'-0" x 7'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6084A)	3,937.55	168.41
07 72 36 00-0023	EA	5'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6096A)	3,829.45	181.38
07 72 36 00-0024	EA	5'-0" x 10'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-60120A)	5,391.77	194.28
07 72 36 00-0025	EA	5'-6" x 5'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6666A)	3,714.40	168.41
07 72 36 00-0026	EA	5'-6" x 12'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-66144A)	7,081.61	207.25
07 72 36 00-0027	EA	6'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-7272A)	3,632.69	220.22
07 72 36 00-0028		Aluminum Covers And Curb *(07 72 36 00-0001)*		
07 72 36 00-0029	EA	4'-0" x 4'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4848B)	2,425.07	103.63
07 72 36 00-0030	EA	4'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4872B)	2,878.62	142.46
07 72 36 00-0031	EA	4'-0" x 7'-6" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4890B)	3,159.45	155.43
07 72 36 00-0032	EA	4'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4896B)	3,343.24	163.21
07 72 36 00-0033	EA	5'-0" x 5'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6060B)	3,031.64	142.46
07 72 36 00-0034	EA	5'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6072B)	3,841.64	155.43
07 72 36 00-0035	EA	5'-0" x 7'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6084B)	4,077.81	168.41
07 72 36 00-0036	EA	5'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6096B)	4,211.99	181.38
07 72 36 00-0037	EA	5'-0" x 10'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-60120B)	5,117.62	194.28
07 72 36 00-0038	EA	5'-6" x 5'-6" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6666B)	3,892.92	168.41
07 72 36 00-0039	EA	5'-6" x 12'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-66114B)	7,738.29	207.25
07 72 36 00-0040	EA	6'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-7272B)	4,015.23	220.22
07 72 36 00-0041		Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb *(07 72 36)*		
07 72 36 00-0042	EA	4'-0" x 4'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV4848B)	2,399.57	103.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 36 00-0043	EA	4'-0" x 6'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV4872B)	3,038.01	142.46
07 72 36 00-0044	EA	4'-0" x 8'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV4896B)	3,209.34	163.21
07 72 36 00-0045	EA	5'-0" x 5'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV6060B)	3,452.42	142.46
07 72 36 00-0046	EA	5'-0" x 8'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV6096B)	3,638.20	181.38

07 72 46 Roof Walkways *(07 72)*

07 72 46 00-0001 Recycled Rubber Walkway Pads *(07 72 46)*

07 72 46 00-0002	SF	3/8" Thick, Button Surface, Recycled Rubber Walkway Pad	7.06	1.86
		For Diamond Surface, Add	*0.55*	
07 72 46 00-0003	SF	1/2" Thick, Button Surface, Recycled Rubber Walkway Pad	7.83	2.24
		For Diamond Surface, Add	*0.64*	
07 72 46 00-0004	SF	3/4" Thick, Button Surface, Recycled Rubber Walkway Pad	8.64	2.24
		For Diamond Surface, Add	*0.72*	

07 72 53 Snow Guards *(07 72)*

07 72 53 00-0001 Snow Guards For Shingle And Tile Roofs *(07 72 53)*

07 72 53 00-0002	EA	6-5/8" Length, 1-1/2" Width, Copper Snow Guards For Shingle And Tile Roofs	12.86	1.77
07 72 53 00-0003	EA	6-5/8" Length, 1-1/2" Width, Lead Coated Copper Snow Guards For Shingle And Tile Roofs	14.03	1.77
07 72 53 00-0004	EA	6-5/8" Length, 1-1/2" Width, Stainless Steel Snow Guards For Shingle And Tile Roofs	13.26	1.77
07 72 53 00-0005	EA	6-5/8" Length, 1-1/2" Width, Aluminum Snow Guards For Shingle And Tile Roofs	7.85	1.77

07 72 53 00-0006 Snow Guards For Metal Roofs *(07 72 53)*

Note: Aluminum construction.

07 72 53 00-0007	EA	Mill Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	16.18	3.08
07 72 53 00-0008	EA	Black Primer Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	17.94	3.08
07 72 53 00-0009	EA	Bronze Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	26.29	3.08
07 72 53 00-0010	EA	Painted Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	25.92	3.08
07 72 53 00-0011	EA	Mill Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516)	24.44	3.59
07 72 53 00-0012	EA	Black Primer Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516)	26.66	3.59
07 72 53 00-0013	EA	Painted Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516)	33.19	3.59
07 72 53 00-0014	EA	Mill Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM)	14.13	2.70
		For Mechanically Fastened, Add	*5.38*	
07 72 53 00-0015	EA	Black Primer Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM)	15.96	2.70
		For Mechanically Fastened, Add	*5.38*	
07 72 53 00-0016	EA	Painted Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM)	22.19	2.70
		For Mechanically Fastened, Add	*5.38*	
07 72 53 00-0017	EA	Polycarbonate, Adhesive Surface Mount, Metal Roof Snow Guard (Zaleski #15)	8.64	2.70
		Note: Can be used for metal, rubber, PVC, TPO or glass roofing.		
		For Mechanically Fastened, Add	*7.19*	

07 72 53 00-0018 Snow Breaker For Roofs *(07 72 53)*

07 72 53 00-0019	EA	Up To 50 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount	10.64	3.59
07 72 53 00-0020	EA	>50 To 150 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount	10.08	3.59
07 72 53 00-0021	EA	>150 To 500 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount	9.80	3.59
07 72 53 00-0022	EA	>500 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount	9.47	3.59

07 72 53 00-0023 Ice Breaker For Vents *(07 72 53)*

07 72 53 00-0024	EA	Ice Breaker For Vents Up to 4", Mechanically Fastened	78.78	
07 72 53 00-0025	EA	Ice Breaker For Vents And Stacks >4" To 14" Diameter, Mechanically Fastened	90.33	

07 72 53 00-0026 Pipe Style, Snow Guards For Metal Roofs *(07 72 53)*

07 72 53 00-0027 Pipe Style, Standing Seam Metal Roof Snow Guard Clamps *(07 72 53 00-0026)*

Note: Aluminum construction. Includes clamp for attaching to standing seam. Excludes tubing.

07 72 53 00-0028	EA	Single Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 2000)	39.42	10.78
07 72 53 00-0029	EA	Single Tube, "T2 or Z2K" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 2000)	46.30	10.78
07 72 53 00-0030	EA	Double Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 4000)	51.79	10.78
07 72 53 00-0031	EA	Double Tube, "T2K or Z2K" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 4000)	63.61	10.78
07 72 53 00-0032	EA	Triple Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 6000)	66.13	12.93

07 72 53 00-0033 Tubing For Snow Guard Clamps *(07 72 53 00-0026)*

07 72 53 00-0034	LF	1" Outside Diameter Aluminum Tubing For Snow Guard Clamps (Alpine SnowGuards®)	8.31	2.59
		Note: Includes end caps, collars and couplings.		
07 72 53 00-0035	LF	1" Outside Diameter Brass Or Stainless Steel Tubing For Snow Guard Clamps (Alpine SnowGuards®)	15.61	2.59
		Note: Includes end caps, collars and couplings.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 56		**Snow/Ice Melt** *(07 72)*		
07 72 56 00-0001		Self Regulating Heating Cable For Roofs And Gutters *(07 72 56)*		
07 72 56 00-0002	LF	12 Watt, 120 Volt, Self Regulating Low Temperature Cable For Roofs And Gutters Note: Nickel-coated copper braided cable with weatherproof jacket.	8.82	0.82
07 72 56 00-0003	LF	12 Watt, 208/277 Volt Self Regulating Low Temperature Cable For Roofs And Gutters Note: Nickel-coated copper braided cable with weatherproof jacket.	9.47	0.82
07 72 56 00-0004	EA	Power Connection, End Seal And Warning Labels Kit For Self Regulating Heating Cable For Roofs And Gutters	160.47	61.82
07 72 56 00-0005	EA	Splice Kit For Self Regulating Heating Cable For Roofs And Gutters	121.66	45.34
07 72 56 00-0006	EA	Roof Clips For Self Regulating Heating Cable For Roofs And Gutters	16.06	2.47
		For >5, Deduct	*-2.48*	
07 72 56 00-0007	EA	Downspout Hanger Kit For Self Regulating Heating Cable For Roofs And Gutters	59.49	6.18
07 72 56 00-0008	EA	120 Volt AC, Snow Switch, Automatic Control For Melting Snow	560.79	49.45
07 72 56 00-0009	EA	Automatic Gutter Ice Melting Control	766.76	61.82
07 72 63		**Waste Containment Assemblies** *(07 72)*		
07 72 63 00-0001		Rooftop Oil And Grease Containment System *(07 72 63)*		
07 72 63 00-0002		Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD-E) *(07 72 63 00-0001)*		
07 72 63 00-0003	EA	48" Length, 48" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100-E)	1,621.08	141.57
07 72 63 00-0004	EA	60" Length, 60" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101-E)	1,804.27	141.57
07 72 63 00-0005	EA	60" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106-E)	2,201.55	147.23
07 72 63 00-0006	EA	72" Length, 72" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102-E)	2,191.07	147.23
07 72 63 00-0007	EA	72" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103-E)	2,846.88	159.27
07 72 63 00-0008	EA	72" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111-E)	2,236.94	159.27
07 72 63 00-0009	EA	90" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105-E)	2,498.19	188.71
07 72 63 00-0010	EA	108" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112-E)	3,660.69	235.93
07 72 63 00-0011	EA	120" Length, 120" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107-E)	4,519.32	235.93
07 72 63 00-0012	EA	144" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113-E)	5,697.32	235.93
07 72 63 00-0013		Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD) *(07 72 63 00-0001)*		
07 72 63 00-0014	EA	48" Length, 48" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100)	1,979.66	141.57
07 72 63 00-0015	EA	60" Length, 60" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101)	2,217.89	141.57
07 72 63 00-0016	EA	60" Length, 90" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106)	2,727.72	147.23
07 72 63 00-0017	EA	72" Length, 72" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102)	2,774.85	147.23
07 72 63 00-0018	EA	72" Length, 108" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103)	3,938.49	159.27
07 72 63 00-0019	EA	72" Length, 144" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111)	4,312.83	159.27
07 72 63 00-0020	EA	90" Length, 90" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105)	4,026.97	188.71
07 72 63 00-0021	EA	108" Length, 108" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112)	4,545.50	235.93
07 72 63 00-0022	EA	120" Length, 120" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107)	5,663.29	235.93
07 72 63 00-0023	EA	144" Length, 144" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113)	7,194.68	235.93
07 72 63 00-0024		Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63)* Note: Includes removing old filters and installing new filters.		
07 72 63 00-0025		Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0024)*		
07 72 63 00-0026		Light Duty, Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0025)*		
07 72 63 00-0027	SET	48" Length, 48" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-E)	132.10	
07 72 63 00-0028	SET	60" Length, 60" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-E)	184.46	
07 72 63 00-0029	SET	60" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-E)	262.98	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 63 00-0030	SET	72" Length, 72" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-E)	243.90	
07 72 63 00-0031	SET	72" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-E)	453.32	
07 72 63 00-0032	SET	72" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-E)	458.55	
07 72 63 00-0033	SET	90" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-E)	355.68	
07 72 63 00-0034	SET	108" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-E)	460.39	
07 72 63 00-0035	SET	120" Length, 120" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-E)	672.43	
07 72 63 00-0036	SET	144" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-E)	884.47	

07 72 63 00-0037 Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0024)*

07 72 63 00-0038 Light Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0037)*

07 72 63 00-0039	SET	48" Length, 48" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-EC)	273.60	
07 72 63 00-0040	SET	60" Length, 60" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-EC)	362.61	
07 72 63 00-0041	SET	60" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-EC)	524.92	
07 72 63 00-0042	SET	72" Length, 72" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-EC)	490.11	
07 72 63 00-0043	SET	72" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-EC)	937.75	
07 72 63 00-0044	SET	72" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-EC)	942.98	
07 72 63 00-0045	SET	90" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-EC)	701.37	
07 72 63 00-0046	SET	108" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-EC)	944.83	
07 72 63 00-0047	SET	120" Length, 120" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-EC)	1,381.99	
07 72 63 00-0048	SET	144" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-EC)	1,837.49	

07 72 63 00-0049 Heavy Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0037)*

07 72 63 00-0050	SET	48" Length, 48" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-C)	339.05	
07 72 63 00-0051	SET	60" Length, 60" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-C)	420.21	
07 72 63 00-0052	SET	60" Length, 90" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-C)	613.92	
07 72 63 00-0053	SET	72" Length, 72" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-C)	581.73	
07 72 63 00-0054	SET	72" Length, 108" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-C)	1,128.84	
07 72 63 00-0055	SET	72" Length, 144" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-C)	1,123.61	
07 72 63 00-0056	SET	90" Length, 90" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-C)	821.80	
07 72 63 00-0057	SET	108" Length, 108" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-C)	1,135.92	
07 72 63 00-0058	SET	120" Length, 120" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-C)	1,591.42	
07 72 63 00-0059	SET	144" Length, 144" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-C)	2,211.83	

07 73 Roof Protection Board *(07 70)*

07 73 00 00-0001 Roof Protection Board (Georgia-Pacific DensDeck®) *(07 73)*

Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. Types are stock sizes set in cold applied adhesive. Apply modifiers for specified alternate attachment.

07 73 00 00-0002	SF	1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®)	2.26	0.35
		For No Adhesive, Deduct	*-0.47*	
		For Hot-Mopped, Deduct	*-0.09*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.36*	
		For Mechanically Fastened To Gypsum, Add	*0.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 73 00 00-0003	SF	1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®)	2.55	0.39
		For No Adhesive, Deduct	*-0.49*	
		For Hot-Mopped, Deduct	*-0.07*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.41*	
		For Mechanically Fastened To Gypsum, Add	*0.56*	
07 73 00 00-0004	SF	5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®)	2.69	0.42
		For No Adhesive, Deduct	*-0.50*	
		For Hot-Mopped, Deduct	*-0.06*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.45*	
		For Mechanically Fastened To Gypsum, Add	*0.60*	
07 73 00 00-0005	SF	1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime)	2.29	0.35
		For No Adhesive, Deduct	*-0.47*	
		For Hot-Mopped, Deduct	*-0.09*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.36*	
		For Mechanically Fastened To Gypsum, Add	*0.51*	
07 73 00 00-0006	SF	1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime)	2.60	0.39
		For No Adhesive, Deduct	*-0.49*	
		For Hot-Mopped, Deduct	*-0.07*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.41*	
		For Mechanically Fastened To Gypsum, Add	*0.56*	
07 73 00 00-0007	SF	5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime)	2.74	0.42
		For No Adhesive, Deduct	*-0.50*	
		For Hot-Mopped, Deduct	*-0.06*	
		For Mechanically Fastened To Wood Or Steel, Deduct	*-0.14*	
		For Mechanically Fastened To Concrete, Add	*0.45*	
		For Mechanically Fastened To Gypsum, Add	*0.60*	

07 76 Roof Pavers *(07 70)*

07 76 16 Roof Decking Pavers *(07 76)*

07 76 16 00-0001 Roof Pavers *(07 76 16)*

Note: For walkway application over roofing system.

07 76 16 00-0002	SF	Up To 100 SF, 2" Concrete Roof Paver	9.73	4.86
		For 1-1/2" Thickness, Deduct	*-0.81*	
		For 2-1/2" Thickness, Add	*0.81*	
		For 3" Thickness, Add	*1.63*	
07 76 16 00-0003	SF	>100 To 200 SF, 2" Concrete Roof Paver	8.26	3.67
		For 1-1/2" Thickness, Deduct	*-0.68*	
		For 2-1/2" Thickness, Add	*0.68*	
		For 3" Thickness, Add	*1.35*	
07 76 16 00-0004	SF	>200 To 400 SF, 2" Concrete Roof Paver	7.04	2.91
		For 1-1/2" Thickness, Deduct	*-0.56*	
		For 2-1/2" Thickness, Add	*0.56*	
		For 3" Thickness, Add	*1.12*	
07 76 16 00-0005	SF	>400 To 1,000 SF, 2" Concrete Roof Paver	6.29	2.55
		For 1-1/2" Thickness, Deduct	*-0.50*	
		For 2-1/2" Thickness, Add	*0.50*	
		For 3" Thickness, Add	*0.99*	
07 76 16 00-0006	SF	>1,000 SF, 2" Concrete Roof Paver	5.79	2.32
		For 1-1/2" Thickness, Deduct	*-0.45*	
		For 2-1/2" Thickness, Add	*0.45*	
		For 3" Thickness, Add	*0.91*	

07 76 16 00-0007 Roof Paver Pedestal *(07 76 16)*

07 76 16 00-0008	EA	2" To 3" High Adjustable Roof Paver Pedestal, 2" Base, 2" Top (Hanover Elevator)	13.55	0.70
07 76 16 00-0009	EA	3" To 4-3/4" High Adjustable Roof Paver Pedestal, 3" Base, 3" Top (Hanover Elevator)	14.25	0.70
07 76 16 00-0010	EA	4-3/4" To 7-3/4" High Adjustable Roof Paver Pedestal, 4" Base, 4" Top (Hanover Elevator)	14.97	0.70
07 76 16 00-0011	EA	Adjustable Roof Paver Pedestal Coupler, Adds 2-1/2" To 4" (Hanover Elevator)	7.45	0.70
07 76 16 00-0012	EA	Stay Bar, Used With Roof Paver Pedestals >16' High (Hanover Elevator)	6.90	0.70
07 76 16 00-0013	EA	5/8" High Tab Roof Paver Pedestal (Hanover High Tab Pedestal) Note: Stackable.	7.05	0.70
07 76 16 00-0014	EA	1/16" And 1/8" Flexible Leveling Plates For Roof Paver Pedestal Note: Used with High Tab and Elevator pedestals.	3.94	0.70
07 76 16 00-0015	EA	Roof Paver Leveling System, Twist To Adjust Pitch (Hanover Compensator) Note: Each Compensator levels 1/8" of slope and are stackable. Used with High Tab and Elevator pedestals.	5.40	0.70

07 76 19 Composite Insulation Concrete Protection Board *(07 76)*

Note: Manufactured by T. Clear Corp. 25 year warranty.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 76 19 00-0001	SF	2" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF	3.23	
		For 20 Year Warranty, Deduct	*-0.18*	
		For 15 Year Warranty, Deduct	*-0.36*	
		For 10 Year Warranty, Deduct	*-0.49*	
		For Winds >90 MPH To 120 MPH Warranty, Add	*0.10*	
07 76 19 00-0002	SF	3" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF	4.17	
		For 20 Year Warranty, Deduct	*-0.26*	
		For 15 Year Warranty, Deduct	*-0.52*	
		For 10 Year Warranty, Deduct	*-0.70*	
		For Winds >90 MPH To 120 MPH Warranty, Add	*0.10*	
07 76 19 00-0003	SF	2" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF	4.92	
		For 20 Year Warranty, Deduct	*-0.30*	
		For 15 Year Warranty, Deduct	*-0.60*	
		For 10 Year Warranty, Deduct	*-0.81*	
		For Winds >90 MPH To 120 MPH Warranty, Add	*0.10*	
07 76 19 00-0004	SF	3" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF	5.91	
		For 20 Year Warranty, Deduct	*-0.37*	
		For 15 Year Warranty, Deduct	*-0.75*	
		For 10 Year Warranty, Deduct	*-1.02*	
		For Winds >90 MPH To 120 MPH Warranty, Add	*0.10*	

07 80 Fire And Smoke Protection *(07)*

07 81 Applied Fireproofing *(07 80)*

Note: Includes bonding agents as required.

07 81 16 Cementitious Fireproofing *(07 81)*

07 81 16 00-0001 Cementitious Fireproofing *(07 81 16)*

07 81 16 00-0002 Spray On Ceiling (Metal Decking Corrugated Or Fluted) *(07 81 16 00-0001)*

07 81 16 00-0003	SF	Spray Fireproofing For Ceiling, 1 Hour Rated 1/2" Thick Coverage	0.97	0.52
07 81 16 00-0004	SF	Spray Fireproofing For Ceiling, 2 Hour Rated 7/8" Thick Coverage	1.35	0.62

07 81 16 00-0005 Spray On Roofs And Beams *(07 81 16 00-0001)*

07 81 16 00-0006	SF	Spray Fireproofing For Beams And Roofs, 1 Hour Rated 1-3/8" Thick Coverage	2.02	0.76
07 81 16 00-0007	SF	Spray Fireproofing For Beams And Roofs, 2 Hour Rated 1-1/2" Thick Coverage	2.18	0.82
07 81 16 00-0008	SF	Spray Fireproofing For Beams And Roofs, 2 Hour Rated 1-5/8" Thick Coverage	2.29	0.85

07 81 16 00-0009 Spray On Beams (Min. W8x24) *(07 81 16 00-0001)*

07 81 16 00-0010	SF	Spray Fireproofing For Beams, 1 Hour Rated 7/16" Thick Coverage, (Min W8x24)	0.83	0.41
07 81 16 00-0011	SF	Spray Fireproofing For Beams, 2 Hour Rated 1/2" Thick Coverage, (Min W8x24)	1.02	0.52
07 81 16 00-0012	SF	Spray Fireproofing For Beams, 3 Hour Rated 7/8" Thick Coverage, (Min W8x24)	1.45	0.62
07 81 16 00-0013	SF	Spray Fireproofing For Beams, 4 Hour Rated 1-1/4" Thick Coverage, (Min W8x24)	1.93	0.72

07 81 16 00-0014 Spray On Columns (W10x49) *(07 81 16 00-0001)*

07 81 16 00-0015	SF	Spray Fireproofing For Columns, 1 Hour Rated 1-3/16" Thick Coverage, (W10x49)	1.91	0.69
07 81 16 00-0016	SF	Spray Fireproofing For Columns, 2 Hour Rated 1-1/4" Thick Coverage, (W10x49)	2.07	0.72
07 81 16 00-0017	SF	Spray Fireproofing For Columns, 3 Hour Rated 1-7/8" Thick Coverage, (W10x49)	2.69	0.85
07 81 16 00-0018	SF	Spray Fireproofing For Columns, 4 Hour Rated 2-1/2" Thick Coverage, (W10x49)	3.50	1.03

07 81 16 00-0019 Spray On Columns (W14x228) *(07 81 16 00-0001)*

07 81 16 00-0020	SF	Spray Fireproofing For Columns, 2 Hr Rated 5/8" Thick Coverage, (W14x228)	1.22	0.52
07 81 16 00-0021	SF	Spray Fireproofing For Columns, 3 Hr Rated 7/8" Thick Coverage, (W14x228)	1.55	0.62
07 81 16 00-0022	SF	Spray Fireproofing For Columns, 4 Hr Rated 1-1/4" Thick Coverage, (W14x228)	2.07	0.76

07 81 16 00-0023 Gunite Fireproofing *(07 81 16)*

07 81 16 00-0024	SF	Fireproofing, Gunite, Non Reinforced, 1" Thick	2.20	0.47
07 81 16 00-0025	SF	Fireproofing, Gunite, Reinforced, 1" Thick	3.14	0.47

07 81 16 00-0026 Monokote Fireproofing *(07 81 16)*

07 81 16 00-0027	CSF	Fireproofing, Monokote, On Structural Steel Note: Per inch of thickness.	209.42	76.93
07 81 16 00-0028	CSF	Fireproofing, Monokote, On Decking Note: Per inch of thickness.	151.18	51.52

07 81 23 Intumescent Fireproofing *(07 81)*

07 81 23 00-0001 Spray On Intumescent Mastic Fireproofing *(07 81 23)*

Note: Type 1 structural steel has up to 2 SF per LF, type 2 structural steel has >2 to 5 SF per LF and type 3 structural steel has >5 SF per LF.

07 81 23 00-0002 Fireproofing Using Spray On Albi-Clad, Intumescent Mastic, 1 Hour *(07 81 23 00-0001)*

07 81 23 00-0003	CSF	Fireproofing, Intumescent, 1 Hour, Type 1 Structural Steel	903.79	251.13

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 81 23 00-0004	CSF	Fireproofing, Intumescent, 1 Hour, Type 2 Structural Steel	923.96	266.19
07 81 23 00-0005	CSF	Fireproofing, Intumescent, 1 Hour, Type 3 Structural Steel	957.40	291.30
07 81 23 00-0006		Fireproofing Using Spray On Albi-Clad, Intumescent Mastic, 2 Hour *(07 81 23 00-0001)*		
07 81 23 00-0007	CSF	Fireproofing, Intumescent, 2 Hour, Type 1 Structural Steel	1,807.59	502.25
07 81 23 00-0008	CSF	Fireproofing, Intumescent, 2 Hour, Type 2 Structural Steel	1,847.91	532.39
07 81 23 00-0009	CSF	Fireproofing, Intumescent, 2 Hour, Type 3 Structural Steel	1,914.44	582.60
07 81 23 00-0010		Color Top Coat *(07 81 23 00-0001)*		
07 81 23 00-0011	CSF	Fireproofing, Color Top Coat	32.51	

07 81 33 Mineral-Fiber Fireproofing *(07 81)*

07 81 33 00-0001	SF	Cellulose Fireproofing, Per Inch Of Thickness	1.70	0.47

07 82 Board Fireproofing *(07 80)*

Note: Type A: 1 hour rating. See CSI section 09 23 13 00-0001 for plaster casing and corner bead, 09 29 00 00-0072 for gypsum board casing and corner bead.

07 82 00 00-0001 Fireproofing On Columns *(07 82)*

07 82 00 00-0002 Up To 4,500 SF, Fireproofing On Columns *(07 82 00 00-0001)*

07 82 00 00-0003	CSF	Lath And Cement Plaster, 1 Hour, Mk A, Up To 4,500 SF, Fireproofing On Columns	1,016.93	703.15
07 82 00 00-0004	CSF	Lath And Cement Plaster, 2 Hour, Mk B, Up To 4,500 SF, Fireproofing On Columns	1,833.28	1,255.62
07 82 00 00-0005	CSF	Lath And Vermiculite Concrete, 4 Hour, Mk C, Up To 4,500, Fireproofing On Columns	1,627.36	1,104.95
07 82 00 00-0006	CSF	Lath And Gypsum Plaster, 4 Hour, Mk D, Up To 4,500 SF, Fireproofing On Columns	1,055.88	652.92
07 82 00 00-0007	CSF	Lath And Gypsum Plaster, 4 Hour, Mk E, Up To 4,500 SF, Fireproofing On Columns	832.63	552.47
07 82 00 00-0008	CSF	Gypsum Board, 2 Hour, Mk F, Up To 4,500 SF, Fireproofing On Columns	1,298.86	853.82
07 82 00 00-0009	CSF	Gypsum Board, 2 Hour, Mk G, Up To 4,500 SF, Fireproofing On Columns	747.47	452.02

07 82 00 00-0010 >4,500 SF, Fireproofing On Columns *(07 82 00 00-0001)*

07 82 00 00-0011	CSF	Lath And Cement Plaster, 1 Hour, Mk A >4,500 SF, Fireproofing On Columns	1,041.76	703.15
07 82 00 00-0012	CSF	Lath And Cement Plaster, 2 Hour, Mk B, >4,500 SF, Fireproofing On Columns	1,882.93	1,255.62
07 82 00 00-0013	CSF	Lath And Vermiculite Concrete, 4 Hour, Mk C, >4,500 SF, Fireproofing On Columns	1,699.14	1,104.95
07 82 00 00-0014	CSF	Lath And Gypsum Plaster, 4 Hour, Mk D, >4,500 SF, Fireproofing On Columns	974.18	652.92
07 82 00 00-0015	CSF	Lath And Gypsum Plaster, 2 Hour, Mk E, >4,500 SF, Fireproofing On Columns	790.50	552.47
07 82 00 00-0016	CSF	Gypsum Board, 2 Hour, Mk F, >4,500 SF, Fireproofing On Columns	1,281.09	853.82
07 82 00 00-0017	CSF	Gypsum Board, 2 Hour, Mk G, >4,500 SF, Fireproofing On Columns	731.37	452.02

07 84 Firestopping *(07 80)*

07 84 13 Penetration Firestopping *(07 84)*

07 84 13 16 Penetration Firestopping Devices *(07 84 13)*

07 84 13 16-0001 Firestopping Systems For Cable Penetrations *(07 84 13 16)*

07 84 13 16-0002 Intumescent Firestop Cable Sleeve For New Installations *(07 84 13 16-0001)*

Note: Includes putty, escutcheon plates, gaskets and bushings.

07 84 13 16-0003	EA	1" Diameter Intumescent Firestop Sleeve (STI FS100)	51.42	
07 84 13 16-0004	EA	2" Diameter Intumescent Firestop Sleeve (STI FS201)	66.86	
07 84 13 16-0005	EA	4" Diameter Intumescent Firestop Sleeve (STI FS401)	111.37	

07 84 13 16-0006 Intumescent Firestop Cable Pathway For New Or Existing Cable Installations *(07 84 13 16-0001)*

Note: Includes putty and mounting plates.

07 84 13 16-0007	EA	1-1/64" x 1-1/64" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZD22)	105.03	
07 84 13 16-0008	EA	3" x 3" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZDP33FWS)	202.20	
07 84 13 16-0009	EA	4" x 4-5/8" Intumescent Firestop Cable Pathway Through Up To 10" Thick Walls (STI EZDP44)	328.49	

07 84 13 16-0010 3M Intumescent Firestopping Multi-Trade Pass Through Device *(07 84 13 16)*

07 84 13 16-0011	EA	2.5" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD)	193.12	
07 84 13 16-0012	EA	4" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP4SD)	217.61	
07 84 13 16-0013	EA	4" Diameter Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD)	216.44	

07 84 13 16-0014 Intumescent Firestopping Pipe Collar *(07 84 13 16)*

07 84 13 16-0015	EA	1-1/2" Intumescent Firestop Pipe Collar (3M ULTRAPPD1.5)	32.11	8.12
07 84 13 16-0016	EA	2" Intumescent Firestop Pipe Collar (3M ULTRAPPD2.0)	33.47	8.12
07 84 13 16-0017	EA	3" Intumescent Firestop Pipe Collar (3M ULTRAPPD3.0)	40.39	8.94
07 84 13 16-0018	EA	4" Intumescent Firestop Pipe Collar (3M ULTRAPPD4.0)	53.50	10.16
07 84 13 16-0019	EA	8" Intumescent Firestop Pipe Collar (Hilti CP644 8")	287.96	12.19
07 84 13 16-0020	EA	10" Intumescent Firestop Pipe Collar (Hilti CP644 10")	370.00	13.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 16-0021		Fire Rated Enclosures (Fire Rated Product Specialties Corp.) *(07 84 13 16)* Note: Includes fasteners. Excludes additional perimeter caulk where required. See CSI section 07 84 43 00-0001 for perimeter sealant caulk where required.		
07 84 13 16-0022	EA	12.2" Wide x 20.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9) Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.	100.27	
07 84 13 16-0023	EA	15.2" Wide x 16.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-15-16-9) Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.	105.53	
07 84 13 16-0024	EA	11.8" Wide x 19.8" Long x 9.12" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9-EXH) Note: Includes 4" duct connector. For use with bathroom ventilation and exhaust fans.	198.49	
07 84 13 16-0025	EA	14.0" Wide x 14.0" Long x 3.2" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-14-14-3) Note: Used for shut-off valves, shower and tub valves, washer boxes, icemaker water feeds, speakers, controls, junction boxes, etc.	128.67	
07 84 13 16-0026		Intumescent Firestopping Wrap Strips *(07 84 13 16)*		
07 84 13 16-0027	LF	1/8" Thick, 1-1/2" Wide, Intumescent Firestopping Wrap Strip (STI SpecSeal SSW Series)	4.10	
07 84 13 19		**Penetration Firestopping Caulk** *(07 84 13)*		
07 84 13 19-0001		Intumescent Firestopping For Sealing Pipe Penetrations *(07 84 13 19)* Note: Includes firestop caulk and batt for floor or ceiling penetration or one side of a wall penetration. 1/2" thick caulk for annular spaces 1" and less. 1" thick caulk for annular spaces 1-1/4" or more.		
07 84 13 19-0002	EA	1" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant	15.80	
		For Intumescent Sealant For Plastic Pipe, Add		*0.06*
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add		*0.02*
07 84 13 19-0003	EA	1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant	19.52	
		For Intumescent Sealant For Plastic Pipe, Add		*0.29*
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add		*0.11*
07 84 13 19-0004	EA	1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant	19.33	
		For Intumescent Sealant For Plastic Pipe, Add		*0.22*
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add		*0.08*
07 84 13 19-0005	EA	1-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant	19.03	
		For Intumescent Sealant For Plastic Pipe, Add		*0.10*
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add		*0.04*
07 84 13 19-0006	EA	2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant	22.70	
		For Intumescent Sealant For Plastic Pipe, Add		*0.62*
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add		*0.23*
07 84 13 19-0007	EA	2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant	22.51	
		For Intumescent Sealant For Plastic Pipe, Add		*0.54*
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add		*0.20*
07 84 13 19-0008	EA	2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant	22.21	
		For Intumescent Sealant For Plastic Pipe, Add		*0.42*
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add		*0.16*
07 84 13 19-0009	EA	2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant	21.74	
		For Intumescent Sealant For Plastic Pipe, Add		*0.24*
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add		*0.09*
07 84 13 19-0010	EA	2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant	21.33	
		For Intumescent Sealant For Plastic Pipe, Add		*0.07*
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add		*0.03*
07 84 13 19-0011	EA	2.5" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant	27.66	
		For Intumescent Sealant For Plastic Pipe, Add		*1.04*
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add		*0.39*
07 84 13 19-0012	EA	2.5" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant	27.48	
		For Intumescent Sealant For Plastic Pipe, Add		*0.97*
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add		*0.36*
07 84 13 19-0013	EA	2.5" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant	27.17	
		For Intumescent Sealant For Plastic Pipe, Add		*0.84*
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add		*0.32*
07 84 13 19-0014	EA	2.5" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant	26.70	
		For Intumescent Sealant For Plastic Pipe, Add		*0.66*
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add		*0.25*
07 84 13 19-0015	EA	2.5" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant	26.30	
		For Intumescent Sealant For Plastic Pipe, Add		*0.50*
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add		*0.19*
07 84 13 19-0016	EA	2.5" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant	25.35	
		For Intumescent Sealant For Plastic Pipe, Add		*0.12*
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add		*0.04*
07 84 13 19-0017	EA	3" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant	38.18	
		For Intumescent Sealant For Plastic Pipe, Add		*2.74*
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add		*1.03*
07 84 13 19-0018	EA	3" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant	35.04	
		For Intumescent Sealant For Plastic Pipe, Add		*1.49*
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add		*0.56*
07 84 13 19-0019	EA	3" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant	34.73	
		For Intumescent Sealant For Plastic Pipe, Add		*1.36*
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add		*0.51*
07 84 13 19-0020	EA	3" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant	34.25	
		For Intumescent Sealant For Plastic Pipe, Add		*1.17*
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add		*0.44*
07 84 13 19-0021	EA	3" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant	33.85	
		For Intumescent Sealant For Plastic Pipe, Add		*1.01*
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add		*0.38*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0022	EA	3" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant	32.90	
		For Intumescent Sealant For Plastic Pipe, Add	*0.63*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*0.24*	
07 84 13 19-0023	EA	3" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant	31.66	
		For Intumescent Sealant For Plastic Pipe, Add	*0.14*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*0.05*	
07 84 13 19-0024	EA	4" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant	51.81	
		For Intumescent Sealant For Plastic Pipe, Add	*5.06*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*1.90*	
07 84 13 19-0025	EA	4" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant	51.48	
		For Intumescent Sealant For Plastic Pipe, Add	*4.93*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*1.85*	
07 84 13 19-0026	EA	4" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant	50.95	
		For Intumescent Sealant For Plastic Pipe, Add	*4.72*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*1.77*	
07 84 13 19-0027	EA	4" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant	50.11	
		For Intumescent Sealant For Plastic Pipe, Add	*4.38*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*1.64*	
07 84 13 19-0028	EA	4" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant	49.40	
		For Intumescent Sealant For Plastic Pipe, Add	*4.10*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*1.54*	
07 84 13 19-0029	EA	4" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant	44.02	
		For Intumescent Sealant For Plastic Pipe, Add	*1.95*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*0.73*	
07 84 13 19-0030	EA	4" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant	42.79	
		For Intumescent Sealant For Plastic Pipe, Add	*1.46*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*0.55*	
07 84 13 19-0031	EA	4" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant	40.91	
		For Intumescent Sealant For Plastic Pipe, Add	*0.70*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*0.26*	
07 84 13 19-0032	EA	6" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant	84.01	
		For Intumescent Sealant For Plastic Pipe, Add	*11.68*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*4.38*	
07 84 13 19-0033	EA	6" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant	83.68	
		For Intumescent Sealant For Plastic Pipe, Add	*11.55*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*4.33*	
07 84 13 19-0034	EA	6" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant	83.15	
		For Intumescent Sealant For Plastic Pipe, Add	*11.34*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*4.25*	
07 84 13 19-0035	EA	6" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant	82.32	
		For Intumescent Sealant For Plastic Pipe, Add	*11.00*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*4.13*	
07 84 13 19-0036	EA	6" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant	81.61	
		For Intumescent Sealant For Plastic Pipe, Add	*10.72*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*4.02*	
07 84 13 19-0037	EA	6" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant	79.93	
		For Intumescent Sealant For Plastic Pipe, Add	*10.05*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*3.77*	
07 84 13 19-0038	EA	6" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant	77.76	
		For Intumescent Sealant For Plastic Pipe, Add	*9.18*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*3.44*	
07 84 13 19-0039	EA	6" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant	74.46	
		For Intumescent Sealant For Plastic Pipe, Add	*7.86*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*2.95*	
07 84 13 19-0040	EA	6" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant	62.22	
		For Intumescent Sealant For Plastic Pipe, Add	*2.96*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*1.11*	
07 84 13 19-0041	EA	8" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant	112.68	
		For Intumescent Sealant For Plastic Pipe, Add	*18.45*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*6.92*	
07 84 13 19-0042	EA	8" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant	109.38	
		For Intumescent Sealant For Plastic Pipe, Add	*17.13*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*6.42*	
07 84 13 19-0043	EA	8" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant	102.76	
		For Intumescent Sealant For Plastic Pipe, Add	*14.48*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*5.43*	
07 84 13 19-0044	EA	8" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant	75.98	
		For Intumescent Sealant For Plastic Pipe, Add	*3.77*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*1.41*	
07 84 13 19-0045	EA	10" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant	144.29	
		For Intumescent Sealant For Plastic Pipe, Add	*26.40*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*9.90*	
07 84 13 19-0046	EA	10" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant	124.67	
		For Intumescent Sealant For Plastic Pipe, Add	*18.55*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*6.96*	
07 84 13 19-0047	EA	10" Diameter Hole With 8" Pipe, Sealed With Intumescent Firestop Sealant	90.30	
		For Intumescent Sealant For Plastic Pipe, Add	*4.80*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*1.80*	

07 84 16 Annular Space Protection *(07 84)*

07 84 16 00-0001 Intumescent Firestopping For Electrical Outlet Boxes *(07 84 16)*

07 84 16 00-0002 Intumescent Putty Pads For Wrapping Outlet Box Exteriors *(07 84 16 00-0001)*

07 84 16 00-0003	EA	1 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	25.30	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 16 00-0004	EA	2 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	36.51	
07 84 16 00-0005	EA	3 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	38.07	
07 84 16 00-0006	EA	4 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	39.64	
07 84 16 00-0007	EA	5 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	41.20	
07 84 16 00-0008	EA	6 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	52.42	
07 84 16 00-0009		Intumescent Firestop Gasket For Wall Plates *(07 84 16 00-0001)*		
07 84 16 00-0010	EA	Single Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66276)	10.16	
07 84 16 00-0011	EA	Double Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66274)	10.63	
07 84 16 00-0012	EA	Single Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66272)	10.16	
07 84 16 00-0013	EA	Double Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66270)	10.63	
07 84 16 00-0014	EA	Single Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66266)	10.63	
07 84 16 00-0015	EA	Double Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66265)	10.16	
07 84 16 00-0016		Intumescent Fire Barrier Pillows For Sealing Large Openings *(07 84 16)*		
07 84 16 00-0017	EA	2" x 4" x 9" Intumescent Fire Barrier Pillow (3M FB249)	27.01	
07 84 16 00-0018	EA	2" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB269)	28.99	
07 84 16 00-0019	EA	3" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB369)	31.43	
07 84 16 00-0020		Intumescent Fire Barrier Sheets For Sealing Large Openings *(07 84 16)*		
		Note: Price includes intumescent sheet, mounting fasteners and caulk for sealing one side of an opening.		
07 84 16 00-0021	EA	16" x 28" Intumescent Firestop Sheet (3M CS-195+16x28)	273.65	
07 84 16 00-0022	EA	36" x 24" Intumescent Firestop Sheet (3M CS-195+3x2)	393.80	
07 84 16 00-0023	EA	36" x 36" Intumescent Firestop Sheet (3M CS-195+3x3)	564.48	
07 84 16 00-0024		Endothermic Mat Wrap Fire Barrier *(07 84 16)*		
		Note: Price includes endothermic mat wrap and sealant. Excludes cavity fill material; putty or fireproof caulk/sealant. See CSI section 07 84 16 00-0026 for filling openings.		
07 84 16 00-0025	SF	0.408" Thick Aluminum Foil Faced Endothermic Mat (3M Interam E-5A-4)	36.28	
07 84 16 00-0026		Firestopping Caulk For Filling Opening *(07 84 16)*		
07 84 16 00-0027	GAL	Laxtex Based Intumescent Fire Barrier Sealant (3M CP-25WB+)	151.06	
07 84 23		**Silicone Firestopping Foams** *(07 84)*		
07 84 23 00-0001		Silicone RTV Foam Seal For Blank Openings *(07 84 23)*		
07 84 23 00-0002	EA	2" Diameter Hole Sealed With RTV Silicone Fire Barrier Foam	31.64	
07 84 23 00-0003	EA	4" Diameter Hole Sealed With RTV Silicone Fire Barrier Foam	77.75	
07 84 23 00-0004	EA	6" Diameter Hole Sealed With RTV Silicone Fire Barrier Foam	139.86	
07 84 23 00-0005	EA	8" Diameter Hole Sealed With RTV Silicone Fire Barrier Foam	216.24	
07 84 23 00-0006	EA	10" Diameter Hole Sealed With RTV Silicone Fire Barrier Foam	310.84	
07 84 23 00-0007	EA	12" Diameter Hole Sealed With RTV Silicone Fire Barrier Foam	419.80	
07 84 43		**Joint Firestopping** *(07 84)*		
07 84 43 00-0001		Intumescent Firestopping Sealant For Joints *(07 84 43)*		
07 84 43 00-0002	CLF	1/4" x 1/4" Joint, Intumescent Firestop Sealant	318.84	125.28
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*10.24*	
07 84 43 00-0003	CLF	1/4" x 3/8" Joint, Intumescent Firestop Sealant	368.61	133.11
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*15.36*	
07 84 43 00-0004	CLF	1/4" x 1/2" Joint, Intumescent Firestop Sealant	402.74	133.11
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*20.48*	
07 84 43 00-0005	CLF	3/8" x 3/8" Joint, Intumescent Firestop Sealant	419.81	133.11
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*23.04*	
07 84 43 00-0006	CLF	3/8" x 1/2" Joint, Intumescent Firestop Sealant	471.02	133.11
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*30.72*	
07 84 43 00-0007	CLF	3/8" x 5/8" Joint, Intumescent Firestop Sealant	537.94	140.95
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*38.40*	
07 84 43 00-0008	CLF	3/8" x 3/4" Joint, Intumescent Firestop Sealant	604.74	148.77
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*46.09*	
07 84 43 00-0009	CLF	1/2" x 1/2" Joint, Intumescent Firestop Sealant	555.01	140.95
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*40.97*	
07 84 43 00-0010	CLF	1/2" x 5/8" Joint, Intumescent Firestop Sealant	654.59	156.60
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*51.21*	
07 84 43 00-0011	CLF	1/2" x 3/4" Joint, Intumescent Firestop Sealant	738.54	164.44
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*61.45*	
07 84 43 00-0012	CLF	1/2" x 7/8" Joint, Intumescent Firestop Sealant	822.45	172.26
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*71.69*	
07 84 43 00-0013	CLF	1/2" x 1" Joint, Intumescent Firestop Sealant	1,016.09	234.89
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*81.93*	
07 84 43 00-0014	CLF	3/4" x 3/4" Joint, Intumescent Firestop Sealant	1,115.64	250.58
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*92.17*	
07 84 43 00-0015	CLF	1" x 1" Joint, Intumescent Firestop Sealant	1,609.18	258.39
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*163.86*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 43 00-0016		Passive Smoke And Fire Protection Sealant For Joints *(07 84 43)*		
07 84 43 00-0017	CLF	1/4" x 1/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	290.17	125.28
07 84 43 00-0018	CLF	1/4" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	325.58	133.11
07 84 43 00-0019	CLF	1/4" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	345.37	133.11
07 84 43 00-0020	CLF	3/8" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	355.27	133.11
07 84 43 00-0021	CLF	3/8" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	384.96	133.11
07 84 43 00-0022	CLF	3/8" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	430.38	140.95
07 84 43 00-0023	CLF	3/8" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	475.66	148.77
07 84 43 00-0024	CLF	1/2" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	440.28	140.95
07 84 43 00-0025	CLF	1/2" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	511.17	156.60
07 84 43 00-0026	CLF	1/2" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	566.44	164.44
07 84 43 00-0027	CLF	1/2" x 7/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	621.66	172.26
07 84 43 00-0028	CLF	1/2" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	786.62	234.89
07 84 43 00-0029	CLF	3/4" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	857.48	250.58
07 84 43 00-0030	CLF	1" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	1,150.24	258.39
07 84 56		**Fire Safing** *(07 84)*		
07 84 56 13		**Fibrous Fire Safing** *(07 84 56)*		
07 84 56 13-0001		Thermal Barrier Wrap *(07 84 56 13)*		
		Note: Includes cutting wrap to fit pipe or conduit and sealing edges.		
07 84 56 13-0002	SF	1/2" Thick Fire Barrier Plenum Wrap (3M Plenum Wrap 5A)	8.95	
		For Work In Restricted Working Space, Add	*1.03*	
07 84 56 13-0003	SF	1-1/2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 15A)	12.38	
		Note: Includes cutting wrap to fit pipe or conduit and sealing edges.		
		For Work In Restricted Working Space, Add	*1.03*	
07 84 56 13-0004	SF	2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 20A)	13.50	
		Note: Includes cutting wrap to fit pipe or conduit and sealing edges.		
		For Work In Restricted Working Space, Add	*1.03*	
07 84 56 13-0005		FireMaster Blanket Wrap Fireproofing *(07 84 56 13)*		
07 84 56 13-0006	SF	1/2" Thermal Ceramics FireMaster Blanket Wrap	13.04	7.50
		For Work In Restricted Working Space, Add	*3.01*	
		For >500 To 5,000, Deduct	*-1.19*	
		For >5,000, Deduct	*-2.11*	
07 84 56 13-0007	SF	1" Thermal Ceramics FireMaster Blanket Wrap	15.52	7.50
		For Work In Restricted Working Space, Add	*3.01*	
		For >500 To 5,000, Deduct	*-1.76*	
		For >5,000, Deduct	*-3.03*	
07 84 56 13-0008	SF	1-1/2" Thermal Ceramics FireMaster Blanket Wrap	18.24	7.50
		For Work In Restricted Working Space, Add	*3.01*	
		For >500 To 5,000, Deduct	*-2.39*	
		For >5,000, Deduct	*-4.04*	
07 84 56 13-0009	SF	2" Thermal Ceramics FireMaster Blanket Wrap	20.96	7.50
		For Work In Restricted Working Space, Add	*3.01*	
		For >500 To 5,000, Deduct	*-3.01*	
		For >5,000, Deduct	*-5.04*	

07 90 Joint Protection *(07)*

07 91 Preformed Joint Seals *(07 90)*

07 91 23 Backer Rods *(07 91)*

07 91 23 00-0001	LF	1/4" Polyethylene Or Polyurethane Backer Rod	1.14	0.35
07 91 23 00-0002	LF	3/8" Polyethylene Or Polyurethane Backer Rod	1.22	0.35
07 91 23 00-0003	LF	1/2" Polyethylene Or Polyurethane Backer Rod	1.32	0.35
07 91 23 00-0004	LF	5/8" Polyethylene Or Polyurethane Backer Rod	1.40	0.35
07 91 23 00-0005	LF	3/4" Polyethylene Or Polyurethane Backer Rod	1.46	0.42
07 91 23 00-0006	LF	7/8" Polyethylene Or Polyurethane Backer Rod	1.54	0.42
07 91 23 00-0007	LF	1" Polyethylene Or Polyurethane Backer Rod	1.70	0.42
07 91 23 00-0008	LF	1-1/4" Polyethylene Or Polyurethane Backer Rod	1.88	0.49
07 91 23 00-0009	LF	1-1/2" Polyethylene Or Polyurethane Backer Rod	2.09	0.56
07 91 23 00-0010	LF	2" Polyethylene Or Polyurethane Backer Rod	2.46	0.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 91 23 00-0011	LF	3" Polyethylene Or Polyurethane Backer Rod	3.74	0.78

07 91 26 Joint Fillers *(07 91)*

07 91 26 00-0001 Butyl Rubber Fillers *(07 91 26)*

07 91 26 00-0002	LF	1/4" x 1/4" Butyl Rubber Filler	1.43	0.42
		For Coloring, Add	*0.00*	
07 91 26 00-0003	LF	1/2" x 1/2" Butyl Rubber Filler	4.08	1.21
		For Coloring, Add	*0.02*	
07 91 26 00-0004	LF	1/2" x 3/4" Butyl Rubber Filler	4.66	1.28
		For Coloring, Add	*0.03*	
07 91 26 00-0005	LF	3/4" x 3/4" Butyl Rubber Filler	4.75	1.35
07 91 26 00-0006	LF	1" x 1" Butyl Rubber Filler	4.33	1.49

07 91 26 00-0007 Closed Cell Neoprene *(07 91 26)*

07 91 26 00-0008	CLF	1/8" x 3" Neoprene Gasket Closed Cell, Adhesive	286.21	81.68
07 91 26 00-0009	CLF	1/8" x 6" Neoprene Gasket Closed Cell, Adhesive	477.01	118.00
07 91 26 00-0010	CLF	1/4" x 3" Neoprene Gasket Closed Cell, Adhesive	372.11	101.15
07 91 26 00-0011	CLF	1/4" x 6" Neoprene Gasket Closed Cell, Adhesive	442.33	106.17
07 91 26 00-0012	CLF	1/2" x 6" Neoprene Gasket Closed Cell, Adhesive	673.89	163.37
07 91 26 00-0013	CLF	1/2" x 9" Neoprene Gasket Closed Cell, Adhesive	783.77	176.97
07 91 26 00-0014	CLF	1/2" x 12" Neoprene Gasket Closed Cell, Adhesive	751.37	128.69

07 91 26 00-0015 Closed Cell Polyvinyl Chloride *(07 91 26)*

07 91 26 00-0016	CLF	1/8" x 3" Polyethylene Joint Backing, Closed Cell	289.08	101.15
07 91 26 00-0017	CLF	1/8" x 6" Polyethylene Joint Backing, Closed Cell	494.21	163.37
07 91 26 00-0018	CLF	1/4" x 3" Polyethylene Joint Backing, Closed Cell	379.43	139.45
07 91 26 00-0019	CLF	1/4" x 6" Polyethylene Joint Backing, Closed Cell	460.49	147.23
07 91 26 00-0020	CLF	1/2" x 6" Polyethylene Joint Backing, Closed Cell	700.81	225.80
07 91 26 00-0021	CLF	1/2" x 9" Polyethylene Joint Backing, Closed Cell	823.58	245.06
07 91 26 00-0022	CLF	1/2" x 12" Polyethylene Joint Backing, Closed Cell	1,095.80	293.76

07 91 26 00-0023 Silicon RTV Foam Penetration Seal *(07 91 26)*

07 91 26 00-0024	CLF	1/4" x 1/2" Silicon RTV Foam Seal	112.65	16.21
07 91 26 00-0025	CLF	1/2" x 1/2" Silicon RTV Foam Seal	225.28	32.35
07 91 26 00-0026	CLF	1/2" x 3/4" Silicon RTV Foam Seal	336.11	48.06
07 91 26 00-0027	CLF	3/4" x 3/4" Silicon RTV Foam Seal	479.95	64.77
07 91 26 00-0028	CLF	1/8" x 1" Silicon RTV Foam Seal	112.65	16.21
07 91 26 00-0029	CLF	1/8" x 3" Silicon RTV Foam Seal	335.83	47.92
07 91 26 00-0030	CLF	1/4" x 3" Silicon RTV Foam Seal	591.96	71.99
07 91 26 00-0031	CLF	1/4" x 6" Silicon RTV Foam Seal	1,182.69	143.48
07 91 26 00-0032	CLF	1/2" x 6" Silicon RTV Foam Seal	2,267.87	259.00
07 91 26 00-0033	CLF	1/2" x 9" Silicon RTV Foam Seal	3,453.84	404.60
07 91 26 00-0034	CLF	1/2" x 12" Silicon RTV Foam Seal	4,975.67	647.40

07 91 26 00-0035 Seals O-Ring Type Cord "J-Seal" *(07 91 26)*

07 91 26 00-0036	LF	1/4" Seals O-Ring Cord, J-Seal	3.03	0.92
07 91 26 00-0037	LF	1/2" Seals O-Ring Cord, J-Seal	3.21	0.92
07 91 26 00-0038	LF	3/4" Seals O-Ring Cord, J-Seal	3.39	0.99
07 91 26 00-0039	LF	1" Seals O-Ring Cord, J-Seal	3.60	1.06
07 91 26 00-0040	LF	1-1/4" Seals O-Ring Cord, J-Seal	3.87	1.14
07 91 26 00-0041	LF	1-1/2" Seals O-Ring Cord, J-Seal	4.07	1.14
07 91 26 00-0042	LF	1-3/4" Seals O-Ring Cord, J-Seal	4.32	1.21
07 91 26 00-0043	LF	2" Seals O-Ring Cord, J-Seal	4.48	1.21

07 91 33 Expansion Joint Seal Systems *(07 91)*

07 91 33 00-0001 Expansion Joint Seal Systems (Wabo®) *(07 91 33)*

07 91 33 00-0002 Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® HSeal) *(07 91 33 00-0001)*

Note: Includes a pre-compressed seal, epoxy adhesive and traffic grade elastomeric top coating.

07 91 33 00-0003	LF	1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 25EH)	51.02	4.98
07 91 33 00-0004	LF	3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 40EH)	67.43	5.21
07 91 33 00-0005	LF	1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 50EH)	84.71	5.45
07 91 33 00-0006	LF	1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 65EH)	103.95	5.69
07 91 33 00-0007	LF	1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 75EH)	134.02	5.92
07 91 33 00-0008	LF	1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 90EH)	153.57	6.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 91 33 00-0009	LF	2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 100EH)	177.77	6.40
07 91 33 00-0010		**Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal Systems (Wabo® CompressionSeal)** *(07 91 33 00-0001)*		
		Note: Includes preformed neoprene joint seal and lubricant adhesive.		
07 91 33 00-0011	LF	0.625" Minimum, 1.381" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-162)	27.47	4.98
07 91 33 00-0012	LF	0.688" Minimum, 1.488" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-175)	29.76	5.05
07 91 33 00-0013	LF	0.875" Minimum, 1.700" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-200)	35.44	5.12
07 91 33 00-0014	LF	0.953" Minimum, 1.913" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-225)	37.48	5.21
07 91 33 00-0015	LF	1.000" Minimum, 2.125" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-250)	39.88	5.28
07 91 33 00-0016	LF	1.125" Minimum, 2.550" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-300)	48.25	5.35
07 91 33 00-0017	LF	1.375" Minimum, 2.975" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-350)	58.87	5.45
07 91 33 00-0018	LF	1.625" Minimum, 3.400" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-400)	69.21	5.69
07 91 33 00-0019	LF	1.687" Minimum, 4.250" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-500)	78.06	5.92
07 91 33 00-0020		**Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal Systems (Wabo® CompressionSeal)** *(07 91 33 00-0001)*		
		Note: Includes preformed Santoprene® joint seal and lubricant adhesive.		
07 91 33 00-0021	LF	0.500" Minimum, 1.500" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-100)	23.46	4.98
07 91 33 00-0022	LF	0.688" Minimum, 1.938" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-225)	29.78	5.21
07 91 33 00-0023	LF	1.063" Minimum, 2.125" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-250)	35.98	5.45
07 91 33 00-0024	LF	1.250" Minimum, 2.563" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-300)	37.90	5.57
07 91 33 00-0025	LF	1.250" Minimum, 3.375" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-400)	41.77	5.69
07 91 33 00-0026	LF	1.438" Minimum, 4.250" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-500)	58.65	5.92
07 91 33 00-0027	LF	1.813" Minimum, 5.125" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-600)	79.50	6.17
07 91 33 00-0028		**Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® Seismic WeatherSeal)** *(07 91 33 00-0001)*		
		Note: Includes a pre-compressed foam seal and silicone sealant.		
07 91 33 00-0029	LF	1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-100)	18.48	1.97
07 91 33 00-0030	LF	3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-150)	30.56	2.05
07 91 33 00-0031	LF	1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-200)	45.70	2.13
07 91 33 00-0032	LF	1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-250)	57.45	2.21
07 91 33 00-0033	LF	1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-300)	75.39	2.30
07 91 33 00-0034	LF	1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-350)	99.52	2.37
07 91 33 00-0035	LF	2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-400)	121.91	2.45
07 91 33 00-0036	LF	2-1/2" Minimum, 7-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-500)	164.15	2.53
07 91 33 00-0037	LF	3" Minimum, 9" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-600)	191.52	2.61
07 91 33 00-0038		**Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal Systems (Wabo® WeatherSeal II)** *(07 91 33 00-0001)*		
		Note: Includes a pre-compressed foam seal and silicone sealant.		
07 91 33 00-0039	LF	0.75" Minimum, 1.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-100)	18.05	1.97
07 91 33 00-0040	LF	1.13" Minimum, 1.88" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-150)	23.62	2.05
07 91 33 00-0041	LF	1.50" Minimum, 2.50" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-200)	31.49	2.13
07 91 33 00-0042	LF	1.88" Minimum, 3.13" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-250)	42.48	2.21
07 91 33 00-0043	LF	2.25" Minimum, 3.75" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-300)	48.39	2.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 91 33 00-0044	LF	2.63" Minimum, 4.38" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-350)	66.88	2.37
07 91 33 00-0045	LF	3.00" Minimum, 5.00" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-400)	89.59	2.45
07 91 33 00-0046	LF	3.75" Minimum, 6.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-500)	96.70	2.53

07 92 Joint Sealants *(07 90)*

07 92 13 Elastomeric Joint Sealants *(07 92)*

07 92 13 00-0001 Silicone Sealant And Caulking *(07 92 13)*

07 92 13 00-0002	CLF	1/4" x 1/4" Joint, Silicone Sealant And Caulking	292.13	125.28
		For Coloring, Add	*14.96*	
		For 1 Part Mildew Resistant, Add	*14.55*	
		For High-Modulus Non-Acid Curing, Add	*8.31*	
07 92 13 00-0003	CLF	1/4" x 3/8" Joint, Silicone Sealant And Caulking	320.74	129.20
		For Coloring, Add	*22.44*	
		For 1 Part Mildew Resistant, Add	*21.82*	
		For High-Modulus Non-Acid Curing, Add	*12.47*	
07 92 13 00-0004	CLF	1/4" x 1/2" Joint, Silicone Sealant And Caulking	349.31	133.11
		For Coloring, Add	*29.92*	
		For 1 Part Mildew Resistant, Add	*29.09*	
		For High-Modulus Non-Acid Curing, Add	*16.62*	
07 92 13 00-0005	CLF	3/8" x 3/8" Joint, Silicone Sealant And Caulking	359.70	133.11
		For Coloring, Add	*33.66*	
		For 1 Part Mildew Resistant, Add	*32.73*	
		For High-Modulus Non-Acid Curing, Add	*18.70*	
07 92 13 00-0006	CLF	3/8" x 1/2" Joint, Silicone Sealant And Caulking	398.76	137.03
		For Coloring, Add	*44.88*	
		For 1 Part Mildew Resistant, Add	*43.63*	
		For High-Modulus Non-Acid Curing, Add	*24.93*	
07 92 13 00-0007	CLF	3/8" x 5/8" Joint, Silicone Sealant And Caulking	437.75	140.95
		For Coloring, Add	*56.10*	
		For 1 Part Mildew Resistant, Add	*54.54*	
		For High-Modulus Non-Acid Curing, Add	*31.17*	
07 92 13 00-0008	CLF	3/8" x 3/4" Joint, Silicone Sealant And Caulking	484.51	148.77
		For Coloring, Add	*67.32*	
		For 1 Part Mildew Resistant, Add	*65.45*	
		For High-Modulus Non-Acid Curing, Add	*37.40*	
07 92 13 00-0009	CLF	1/2" x 1/2" Joint, Silicone Sealant And Caulking	448.14	140.95
		For Coloring, Add	*59.84*	
		For 1 Part Mildew Resistant, Add	*58.18*	
		For High-Modulus Non-Acid Curing, Add	*33.25*	
07 92 13 00-0010	CLF	1/2" x 5/8" Joint, Silicone Sealant And Caulking	521.00	156.60
		For Coloring, Add	*74.80*	
		For 1 Part Mildew Resistant, Add	*72.73*	
		For High-Modulus Non-Acid Curing, Add	*41.56*	
07 92 13 00-0011	CLF	1/2" x 3/4" Joint, Silicone Sealant And Caulking	578.24	164.44
		For Coloring, Add	*89.77*	
		For 1 Part Mildew Resistant, Add	*87.27*	
		For High-Modulus Non-Acid Curing, Add	*49.87*	
07 92 13 00-0012	CLF	1/2" x 7/8" Joint, Silicone Sealant And Caulking	635.43	172.26
		For Coloring, Add	*104.73*	
		For 1 Part Mildew Resistant, Add	*101.82*	
		For High-Modulus Non-Acid Curing, Add	*58.18*	
07 92 13 00-0013	CLF	1/2" x 1" Joint, Silicone Sealant And Caulking	684.80	176.17
		For Coloring, Add	*119.69*	
		For 1 Part Mildew Resistant, Add	*116.36*	
		For High-Modulus Non-Acid Curing, Add	*66.49*	
07 92 13 00-0014	CLF	3/4" x 3/4" Joint, Silicone Sealant And Caulking	734.26	180.09
		For Coloring, Add	*134.65*	
		For 1 Part Mildew Resistant, Add	*130.91*	
		For High-Modulus Non-Acid Curing, Add	*74.80*	
07 92 13 00-0015	CLF	1" x 1" Joint, Silicone Sealant And Caulking	1,056.44	195.75
		For Coloring, Add	*239.37*	
		For 1 Part Mildew Resistant, Add	*232.73*	
		For High-Modulus Non-Acid Curing, Add	*132.99*	

07 92 13 00-0016 Acrylic/Latex Sealant And Caulking *(07 92 13)*

07 92 13 00-0017	CLF	1/4" x 1/4" Joint, Acrylic/Latex Sealant And Caulking	271.81	125.28
07 92 13 00-0018	CLF	1/4" x 3/8" Joint, Acrylic/Latex Sealant And Caulking	290.24	129.20
07 92 13 00-0019	CLF	1/4" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	308.65	133.11
07 92 13 00-0020	CLF	3/8" x 3/8" Joint, Acrylic/Latex Sealant And Caulking	313.96	133.11
07 92 13 00-0021	CLF	3/8" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	337.78	137.03
07 92 13 00-0022	CLF	3/8" x 5/8" Joint, Acrylic/Latex Sealant And Caulking	361.53	140.95
07 92 13 00-0023	CLF	3/8" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	393.04	148.77
07 92 13 00-0024	CLF	1/2" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	366.84	140.95
07 92 13 00-0025	CLF	1/2" x 5/8" Joint, Acrylic/Latex Sealant And Caulking	419.37	156.60
07 92 13 00-0026	CLF	1/2" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	456.28	164.44
07 92 13 00-0027	CLF	1/2" x 7/8" Joint, Acrylic/Latex Sealant And Caulking	493.14	172.26
07 92 13 00-0028	CLF	1/2" x 1" Joint, Acrylic/Latex Sealant And Caulking	522.18	176.17

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0029	CLF	3/4" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	551.32	180.09
07 92 13 00-0030	CLF	1" x 1" Joint, Acrylic/Latex Sealant And Caulking	731.21	195.75
07 92 13 00-0031		Polyurethane Sealant And Caulking *(07 92 13)*		
		Note: 1 or 2 part, non-sag.		
07 92 13 00-0032	CLF	1/4" x 1/4" Joint, Polyurethane Sealant And Caulking	282.45	125.28
07 92 13 00-0033	CLF	1/4" x 3/8" Joint, Polyurethane Sealant And Caulking	306.20	129.98
07 92 13 00-0034	CLF	1/4" x 1/2" Joint, Polyurethane Sealant And Caulking	329.94	133.11
07 92 13 00-0035	CLF	3/8" x 3/8" Joint, Polyurethane Sealant And Caulking	337.91	133.11
07 92 13 00-0036	CLF	3/8" x 1/2" Joint, Polyurethane Sealant And Caulking	369.71	137.03
07 92 13 00-0037	CLF	3/8" x 5/8" Joint, Polyurethane Sealant And Caulking	401.44	140.95
07 92 13 00-0038	CLF	3/8" x 3/4" Joint, Polyurethane Sealant And Caulking	440.93	148.77
07 92 13 00-0039	CLF	1/2" x 1/2" Joint, Polyurethane Sealant And Caulking	409.40	140.95
07 92 13 00-0040	CLF	1/2" x 5/8" Joint, Polyurethane Sealant And Caulking	472.58	156.60
07 92 13 00-0041	CLF	1/2" x 3/4" Joint, Polyurethane Sealant And Caulking	520.13	164.44
07 92 13 00-0042	CLF	1/2" x 7/8" Joint, Polyurethane Sealant And Caulking	567.64	172.26
07 92 13 00-0043	CLF	1/2" x 1" Joint, Polyurethane Sealant And Caulking	607.32	176.17
07 92 13 00-0044	CLF	3/4" x 3/4" Joint, Polyurethane Sealant And Caulking	647.10	180.09
07 92 13 00-0045	CLF	3/4" x 1" Joint, Polyurethane Sealant And Caulking	773.99	195.75
07 92 13 00-0046		Flexible Polysulfide Sealant And Caulking, Clear *(07 92 13)*		
		Note: 1 or 2 part, non-sag.		
07 92 13 00-0047	CLF	1/4" x 1/4" Joint, Polysulfide Sealant And Caulking	285.48	125.28
07 92 13 00-0048	CLF	1/4" x 3/8" Joint, Polysulfide Sealant And Caulking	310.75	130.77
07 92 13 00-0049	CLF	1/4" x 1/2" Joint, Polysulfide Sealant And Caulking	336.00	133.11
07 92 13 00-0050	CLF	3/8" x 3/8" Joint, Polysulfide Sealant And Caulking	344.73	133.11
07 92 13 00-0051	CLF	3/8" x 1/2" Joint, Polysulfide Sealant And Caulking	378.82	137.03
07 92 13 00-0052	CLF	3/8" x 5/8" Joint, Polysulfide Sealant And Caulking	412.81	140.95
07 92 13 00-0053	CLF	3/8" x 3/4" Joint, Polysulfide Sealant And Caulking	454.57	148.77
07 92 13 00-0054	CLF	1/2" x 1/2" Joint, Polysulfide Sealant And Caulking	421.53	140.95
07 92 13 00-0055	CLF	1/2" x 5/8" Joint, Polysulfide Sealant And Caulking	487.75	156.60
07 92 13 00-0056	CLF	1/2" x 3/4" Joint, Polysulfide Sealant And Caulking	538.33	164.44
07 92 13 00-0057	CLF	1/2" x 7/8" Joint, Polysulfide Sealant And Caulking	588.87	172.26
07 92 13 00-0058	CLF	1/2" x 1" Joint, Polysulfide Sealant And Caulking	631.58	176.17
07 92 13 00-0059	CLF	3/4" x 3/4" Joint, Polysulfide Sealant And Caulking	674.40	180.09
07 92 13 00-0060	CLF	3/4" x 1" Joint, Polysulfide Sealant And Caulking	810.38	195.75
07 92 13 00-0061		Flexible Polyurethane Security Sealant And Caulking *(07 92 13)*		
		Note: 1 or 2 part, non-sag.		
07 92 13 00-0062	CLF	1/4" x 1/4" Joint, Flexible Polyurethane Security Sealant And Caulking	292.88	125.28
07 92 13 00-0063	CLF	1/4" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking	321.85	129.98
07 92 13 00-0064	CLF	1/4" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	350.80	133.11
07 92 13 00-0065	CLF	3/8" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking	361.37	133.11
07 92 13 00-0066	CLF	3/8" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	401.00	137.03
07 92 13 00-0067	CLF	3/8" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking	440.55	140.95
07 92 13 00-0068	CLF	3/8" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	487.86	148.77
07 92 13 00-0069	CLF	1/2" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	451.12	140.95
07 92 13 00-0070	CLF	1/2" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking	524.73	156.60
07 92 13 00-0071	CLF	1/2" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	582.71	164.44
07 92 13 00-0072	CLF	1/2" x 7/8" Joint, Flexible Polyurethane Security Sealant And Caulking	640.64	172.26
07 92 13 00-0073	CLF	1/2" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking	690.76	176.17
07 92 13 00-0074	CLF	3/4" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	740.97	180.09
07 92 13 00-0075	CLF	3/4" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking	899.15	195.75

07 92 19 Acoustical Joint Sealants *(07 92)*

07 92 19 00-0001		Acoustical Sealant *(07 92 19)*		
07 92 19 00-0002	CLF	1/4" x 1/4" Joint, Acoustical Sealant	260.34	117.46
		For Coloring, Add	*9.16*	
		For 1 Part Mildew Resistant, Add	*8.91*	
		For High-Modulus Non-Acid Curing, Add	*5.09*	
07 92 19 00-0003	CLF	1/4" x 3/8" Joint, Acoustical Sealant	285.70	125.28
		For Coloring, Add	*12.64*	
		For 1 Part Mildew Resistant, Add	*12.29*	
		For High-Modulus Non-Acid Curing, Add	*7.02*	
07 92 19 00-0004	CLF	1/4" x 1/2" Joint, Acoustical Sealant	307.01	133.11
		For Coloring, Add	*14.70*	
		For 1 Part Mildew Resistant, Add	*14.29*	
		For High-Modulus Non-Acid Curing, Add	*8.16*	
07 92 19 00-0005	CLF	3/8" x 3/8" Joint, Acoustical Sealant	322.82	133.11
		For Coloring, Add	*20.39*	
		For 1 Part Mildew Resistant, Add	*19.82*	
		For High-Modulus Non-Acid Curing, Add	*11.33*	
07 92 19 00-0006	CLF	3/8" x 1/2" Joint, Acoustical Sealant	347.16	137.03
		For Coloring, Add	*26.31*	
		For 1 Part Mildew Resistant, Add	*25.57*	
		For High-Modulus Non-Acid Curing, Add	*14.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 19 00-0007	CLF	1/2" x 1/2" Joint, Acoustical Sealant	384.88	140.95
		For Coloring, Add	*37.07*	
		For 1 Part Mildew Resistant, Add	*36.04*	
		For High-Modulus Non-Acid Curing, Add	*20.59*	

07 95 Expansion Control *(07 90)*

07 95 13 Expansion Joint Cover Assemblies *(07 95)*

Note: Includes necessary waterproofing mastics/caulking.

07 95 13 00-0001 Floor Assembly Type *(07 95 13)*

07 95 13 00-0002 With 1" Space *(07 95 13 00-0001)*

07 95 13 00-0003	LF	Aluminum Expansion Joint Cover, 1" Opening Floor Assembly Type	35.96	5.11
07 95 13 00-0004	LF	Bronze Expansion Joint Cover, 1" Opening Floor Assembly Type	64.16	5.11
07 95 13 00-0005	LF	Stainless Steel Expansion Joint Cover, 1" Opening Floor Assembly Type	70.77	5.11

07 95 13 00-0006 With 2" Space *(07 95 13 00-0001)*

07 95 13 00-0007	LF	Aluminum Expansion Joint Cover, 2" Opening Floor Assembly Type	42.73	5.11
07 95 13 00-0008	LF	Bronze Expansion Joint Cover, 2" Opening Floor Assembly Type	78.07	5.11
07 95 13 00-0009	LF	Stainless Steel Expansion Joint Cover, 2" Opening Floor Assembly Type	94.95	5.11

07 95 13 00-0010 Ceiling And Wall Assembly Type *(07 95 13)*

07 95 13 00-0011 With 1" Space *(07 95 13 00-0010)*

07 95 13 00-0012	LF	Aluminum Expansion Joint Cover, 1" Opening Ceiling And Wall Assembly Type	29.19	5.11
07 95 13 00-0013	LF	Bronze Expansion Joint Cover, 1" Opening Ceiling And Wall Assembly Type	50.25	5.11
07 95 13 00-0014	LF	Stainless Steel Expansion Joint Cover, 1" Opening Ceiling And Wall Assembly Type	58.68	5.11

07 95 13 00-0015 With 2" Space *(07 95 13 00-0010)*

07 95 13 00-0016	LF	Aluminum Expansion Joint Cover, 2" Opening Ceiling And Wall Assembly Type	33.25	5.11
07 95 13 00-0017	LF	Bronze Expansion Joint Cover, 2" Opening Ceiling And Wall Assembly Type	57.20	5.11
07 95 13 00-0018	LF	Stainless Steel Expansion Joint Cover, 2" Opening Ceiling And Wall Assembly Type	70.77	5.11

07 95 13 00-0019 Roof To Roof *(07 95 13)*

07 95 13 00-0020	LF	Exterior Roof To Roof Expansion Joint, 1" Opening Aluminum Assemblies	36.29	3.40
07 95 13 00-0021	LF	Exterior Roof To Roof Expansion Joint, 2" Opening Aluminum Assemblies	41.99	3.40

07 95 13 00-0022 Roof To Wall *(07 95 13)*

07 95 13 00-0023	LF	Exterior Roof To Wall Expansion Joint, 1" Opening Aluminum Assemblies	30.03	3.40
07 95 13 00-0024	LF	Exterior Roof To Wall Expansion Joint, 2" Opening Aluminum Assemblies	37.00	3.40

07 95 13 00-0025 Flat Wall To Wall *(07 95 13)*

07 95 13 00-0026	LF	Exterior Wall To Wall Expansion Joint, 1" Opening Aluminum Assemblies	23.95	3.40
07 95 13 00-0027	LF	Exterior Wall To Wall Expansion Joint, 2" Opening Aluminum Assemblies	28.14	3.40

07 95 13 00-0028 Corner To Flat Wall *(07 95 13)*

07 95 13 00-0029	LF	Exterior Corner To Wall Expansion Joint, 1" Opening Aluminum Assemblies	23.86	3.40
07 95 13 00-0030	LF	Exterior Corner To Wall Expansion Joint, 2" Opening Aluminum Assemblies	26.65	3.40

END OF SECTION 07

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 Openings

08 01 Operation And Maintenance Of Openings *(08)*

08 01 10 Operation And Maintenance Of Doors And Frames *(08 01)*

08 01 11 Operation and Maintenance of Metal Doors and Frames *(08 01 10)*

08 01 11 00-0001 Hollow Metal Door Repair *(08 01 11)*
Note: Repairs are based on holes or damage of less than 1/2 of a square foot.

08 01 11 00-0002	SF	Patch Small Drill Holes	6.83
08 01 11 00-0003	LF	Patch Deep Scrapes Or Cuts In Doors	34.15
08 01 11 00-0004	IN	Patch Holes Larger Than Normal Drill Holes (By Diameter Of Holes)	10.24

08 01 50 Operation And Maintenance Of Windows *(08 01)*

08 01 52 Operation and Maintenance of Wood Windows *(08 01 50)*

08 01 52 61 Wood Window Repairs *(08 01 52)*

08 01 52 61-0001 Window Restoration And Replacement *(08 01 52 61)*

08 01 52 61-0002	EA	Remove And Replace Sash Guides	8.63
08 01 52 61-0003	EA	Remove And Replace Window Arms	24.08
08 01 52 61-0004	EA	Remove And Replace Window Crank Operator	26.26
08 01 52 61-0005	EA	Remove And Replace Brass Window Sash Pull	16.71
08 01 52 61-0006	EA	Remove And Replace Brass Window Sash Lock	15.20
08 01 52 61-0007	EA	Remove And Replace Window Balance, Removable Sash Window Note: Channel, spiral or coil balance.	18.24
08 01 52 61-0008	EA	Remove And Replace Window Balance, Sash Window Requiring The Removal And Replacement Of Wooden Stops And/Or Casing Note: Channel, spiral or coil balance.	57.41
		For Replacing Two Balances In One Window, Deduct	*-21.62*

08 01 80 Maintenance of Glazing *(08 01)*

08 01 81 Maintenance of Glass Glazing *(08 01 80)*

08 01 81 00-0001 Glazing Compound Repair *(08 01 81)*

08 01 81 00-0002	LF	Replace Damaged, Broken Or Cracked Window Glazing Up To 1/2" Wide Note: Compound installation includes removal of existing.	3.84

08 05 Common Work Results For Openings *(08)*

08 05 13 Door Options And Modifications *(08 05)*

Note: Excludes removal and reinstallation of door.

08 05 13 00-0001 Door Vision Panels (Pemko LT-S1) *(08 05 13)*
Note: Factory primed or powder coated. See CSI section 08 81 00 00-0000 for glazing.

08 05 13 00-0002	EA	For Up To 1 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	73.12
		For 9/16" To 1-1/16" Glazing Pocket, Add	*36.56*
08 05 13 00-0003	EA	For >1 To 2 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	92.56
		For 9/16" To 1-1/16" Glazing Pocket, Add	*46.28*
08 05 13 00-0004	EA	For >2 To 4 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	107.37
		For 9/16" To 1-1/16" Glazing Pocket, Add	*53.69*
08 05 13 00-0005	EA	For >4 To 6 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	136.98
		For 9/16" To 1-1/16" Glazing Pocket, Add	*68.49*
08 05 13 00-0006	EA	For >6 To 8 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	177.71
		For 9/16" To 1-1/16" Glazing Pocket, Add	*88.86*
08 05 13 00-0007	EA	For >8 To 10 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	226.76
		For 9/16" To 1-1/16" Glazing Pocket, Add	*113.38*
08 05 13 00-0008	EA	For >10 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	240.65
		For 9/16" To 1-1/16" Glazing Pocket, Add	*120.33*
08 05 13 00-0009	EA	For Up To 1 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	144.80
		For 9/16" To 1-1/16" Glazing Pocket, Add	*33.24*
08 05 13 00-0010	EA	For >1 To 2 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	170.31
		For 9/16" To 1-1/16" Glazing Pocket, Add	*42.07*
08 05 13 00-0011	EA	For >2 To 4 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	191.61
		For 9/16" To 1-1/16" Glazing Pocket, Add	*48.81*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 05 13 00-0012	EA	For >4 To 6 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	226.36	
		For 9/16" To 1-1/16" Glazing Pocket, Add	*62.27*	
08 05 13 00-0013	EA	For >6 To 8 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	271.22	
		For 9/16" To 1-1/16" Glazing Pocket, Add	*80.78*	
08 05 13 00-0014	EA	For >8 To 10 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	323.65	
		For 9/16" To 1-1/16" Glazing Pocket, Add	*103.08*	
08 05 13 00-0015	EA	For >10 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	344.10	
		For 9/16" To 1-1/16" Glazing Pocket, Add	*109.39*	

08 05 13 00-0016 Door Louvers, Inverted "Y" 50% Free Air (Pemko LV-IY) *(08 05 13)*

Note: Factory primed or powder coated.

08 05 13 00-0017	EA	For Up To 1 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	90.71	
08 05 13 00-0018	EA	For >1 To 2 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	101.81	
08 05 13 00-0019	EA	For >2 To 4 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	135.13	
08 05 13 00-0020	EA	For >4 To 6 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	214.73	
08 05 13 00-0021	EA	For >6 To 8 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	284.15	
08 05 13 00-0022	EA	For >8 To 10 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	353.57	
08 05 13 00-0023	EA	For >10 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	402.62	
08 05 13 00-0024	EA	For Up To 1 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	149.46	
08 05 13 00-0025	EA	For >1 To 2 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	166.44	
08 05 13 00-0026	EA	For >2 To 4 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	205.63	
08 05 13 00-0027	EA	For >4 To 6 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	291.11	
08 05 13 00-0028	EA	For >6 To 8 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	366.40	
08 05 13 00-0029	EA	For >8 To 10 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	441.70	
08 05 13 00-0030	EA	For >10 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	496.62	

08 05 13 00-0031 Door Hardware Preparation *(08 05 13)*

08 05 13 00-0032	EA	Prepare Existing Wood Door (Rated) For Mortise Hardware Note: Requires door to be taken off site for UL certification.	144.86	
08 05 13 00-0033	EA	Prepare Existing Wood Door (Non Rated) For Mortise Hardware	66.56	
08 05 13 00-0034	EA	Prepare Existing Wood Door (Rated) For Cylindrical Hardware Note: Requires door to be taken off site for UL certification.	117.46	
08 05 13 00-0035	EA	Prepare Existing Wood Door (Non Rated) For Cylindrical Hardware	19.57	
08 05 13 00-0036	EA	Prepare Existing Wood Door (Rated) For Concealed Vertical Rod Note: Requires door to be taken off site for UL certification.	215.36	
08 05 13 00-0037	EA	Prepare Existing Wood Door (Non Rated) For Concealed Vertical Rod	137.03	
08 05 13 00-0038	EA	Prepare Existing Wood Door (Rated) For Electric Hardware Note: Requires door to be taken off site for UL certification.	144.86	
08 05 13 00-0039	EA	Prepare Existing Door (Non Rated) For Electric Hardware	66.56	

08 05 13 00-0040 Door Modifications *(08 05 13)*

08 05 13 00-0041	EA	For Factory Installed Sound Proofing (STC 28) In Metal Door, Add	67.45	
08 05 13 00-0042	SF	For 16 Gauge Steel Metal Plate Bolted On Door Note: Includes mounting hardware.	15.49	
08 05 13 00-0043	EA	Trim Bottom Of Existing Steel Door For Installation Of Carpet Or Tile Note: Excludes removal and reinstallation of door.	70.50	
08 05 13 00-0044	EA	Trim Bottom Of Existing Wood Door For Installation Of Carpet Or Tile Note: Excludes removal and reinstallation of door.	35.54	
08 05 13 00-0045	EA	Modify Metal Door Frame For Door Swing Note: Includes removal of door, blank hinge plates, continuous hinge, blank strike plate, new strike plate and reinstallation of door.	817.29	
08 05 13 00-0046	EA	Remove And Reinstall Door	66.58	
08 05 13 00-0047	EA	Remove And Reinstall Metal Door Frame	130.56	
08 05 13 00-0048	EA	Remove And Reinstall Wood Door Frame	78.99	

08 10 Doors And Frames *(08)*

08 11 Metal Doors And Frames *(08 10)*

08 11 63 Metal Screen And Storm Doors And Frames *(08 11)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 11 63 13 Steel Screen And Storm Doors And Frames *(08 11 63)*

08 11 63 13-0001 Steel Screen Door *(08 11 63 13)*

Note: Includes frame, trim, necessary anchors and hardware (closures, chain and spring, latching, screens, etc.).

08 11 63 13-0002	EA	2'-8" x 7" Steel Screen Door, Residential, With Frame, Trim, Hardware	538.71	107.71
08 11 63 13-0003	EA	3' x 7' Steel Screen Door, Residential, With Frame, Trim, Hardware	546.57	111.63
08 11 63 13-0004	EA	Steel Combination Type Residential Storm Door, With Mesh And Tempered Glass With Frame, Trim, Hardware	701.36	111.63

08 11 63 23 Aluminum Screen And Storm Doors And Frames *(08 11 63)*

08 11 63 23-0001 Aluminum Combination Type With Tempered Glass At Top And Bottom *(08 11 63 23)*

Note: Includes frame trim, necessary anchors and usual hardware (closures, chain and spring, latching, screens, etc.).

08 11 63 23-0002	EA	Aluminum Combination Type Residential Storm Door, Tempered Glass Top With Frame, Trim, Hardware	377.66	62.67
		For Special Finished, Add	*26.52*	
08 11 63 23-0003	EA	Aluminum Combination Type Residential Storm Door, Tempered Glass Top And Bottom With Frame, Trim, Hardware	392.57	62.67
08 11 63 23-0004	EA	Aluminum Screen Door	253.05	39.15
08 11 63 23-0005	SF	Repair Screen Door	5.41	

08 11 73 Sliding Metal Fire Doors *(08 11)*

08 11 73 00-0001 Motor Operated Fire Door *(08 11 73)*

Note: With fusible link, 3 hour rating. Excludes electrical hook-up of motor.

08 11 73 00-0002	EA	3' x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	3,192.87	425.91
08 11 73 00-0003	EA	3' 8" x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	3,356.78	425.91
08 11 73 00-0004	EA	4' x 8' Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	3,627.14	425.91
08 11 73 00-0005	EA	5' x 8' Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	3,925.48	425.91

08 12 Metal Frames *(08 10)*

Note: All door frames include perimeter caulk, sealant (as required), anchors and silencers.

08 12 13 Hollow Metal Frames *(08 12)*

08 12 13 13 Standard Hollow Metal Frames *(08 12 13)*

Note: Shop prime coat. See CSI section 04 05 16 26-0017 for grouting frames.

08 12 13 13-0001 Metal Frames 4-3/4" Depth x 16 Gauge, Knock-Down *(08 12 13 13)*

08 12 13 13-0002 6'-8" Through 7'-2" High *(08 12 13 13-0001)*

08 12 13 13-0003	EA	2' x 6'-8" Through 7'-2" x 4-3/4" Deep Metal Door Frame, 16 Gauge	202.62	58.75
		For Auxiliary Frame Reinforcement For Hinges, Add	*12.77*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*10.21*	
		For Type 304 Stainless Steel Frame, Add	*159.09*	
		For Type 316 Stainless Steel Frame, Add	*184.63*	
		For Baked Enamel Finish, Add	*43.16*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-8.51*	
		For 14 Gauge Frame, Add	*21.28*	
		For 12 Gauge Frame, Add	*32.35*	
08 12 13 13-0004	EA	2'-4" x 6'-8" Through 7'-2" x 4-3/4" Deep Metal Door Frame, 16 Gauge	230.58	64.63
		For Auxiliary Frame Reinforcement For Hinges, Add	*15.20*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*12.16*	
		For Type 304 Stainless Steel Frame, Add	*188.86*	
		For Type 316 Stainless Steel Frame, Add	*219.26*	
		For Baked Enamel Finish, Add	*49.79*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-10.13*	
		For 14 Gauge Frame, Add	*25.33*	
		For 12 Gauge Frame, Add	*38.51*	
08 12 13 13-0005	EA	2'-6" x 6'-8" Through 7'-2" x 4-3/4" Deep Metal Door Frame, 16 Gauge	240.03	68.55
		For Auxiliary Frame Reinforcement For Hinges, Add	*15.44*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*12.35*	
		For Type 304 Stainless Steel Frame, Add	*192.16*	
		For Type 316 Stainless Steel Frame, Add	*223.05*	
		For Baked Enamel Finish, Add	*51.45*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-10.30*	
		For 14 Gauge Frame, Add	*25.74*	
		For 12 Gauge Frame, Add	*39.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0006	EA	2'-8" x 6'-8" Through 7'-2" x 4-3/4" Deep Metal Door Frame, 16 Gauge	251.78	74.42
		For Auxiliary Frame Reinforcement For Hinges, Add	*15.44*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*12.35*	
		For Type 304 Stainless Steel Frame, Add	*192.75*	
		For Type 316 Stainless Steel Frame, Add	*223.64*	
		For Baked Enamel Finish, Add	*53.21*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-10.30*	
		For 14 Gauge Frame, Add	*25.74*	
		For 12 Gauge Frame, Add	*39.12*	
08 12 13 13-0007	EA	3' x 6'-8" Through 7'-2" x 4-3/4" Deep Metal Door Frame, 16 Gauge	262.85	78.33
		For Auxiliary Frame Reinforcement For Hinges, Add	*15.93*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*12.74*	
		For Type 304 Stainless Steel Frame, Add	*198.98*	
		For Type 316 Stainless Steel Frame, Add	*230.83*	
		For Baked Enamel Finish, Add	*55.36*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-10.62*	
		For 14 Gauge Frame, Add	*26.55*	
		For 12 Gauge Frame, Add	*40.35*	
08 12 13 13-0008	EA	3'-4" x 6'-8" Through 7'-2" x 4-3/4" Deep Metal Door Frame, 16 Gauge	277.99	82.25
		For Auxiliary Frame Reinforcement For Hinges, Add	*17.02*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*13.62*	
		For Type 304 Stainless Steel Frame, Add	*212.51*	
		For Type 316 Stainless Steel Frame, Add	*246.55*	
		For Baked Enamel Finish, Add	*58.72*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-11.35*	
		For 14 Gauge Frame, Add	*28.37*	
		For 12 Gauge Frame, Add	*43.13*	
08 12 13 13-0009	EA	3'-6" x 6'-8" Through 7'-2" x 4-3/4" Deep Metal Door Frame, 16 Gauge	285.82	86.17
		For Auxiliary Frame Reinforcement For Hinges, Add	*17.02*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*13.62*	
		For Type 304 Stainless Steel Frame, Add	*212.90*	
		For Type 316 Stainless Steel Frame, Add	*246.95*	
		For Baked Enamel Finish, Add	*59.90*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-11.35*	
		For 14 Gauge Frame, Add	*28.37*	
		For 12 Gauge Frame, Add	*43.13*	
08 12 13 13-0010	EA	4' x 6'-8" Through 7'-2" x 4-3/4" Deep Metal Door Frame, 16 Gauge	297.70	90.08
		For Auxiliary Frame Reinforcement For Hinges, Add	*17.63*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*14.10*	
		For Type 304 Stainless Steel Frame, Add	*220.58*	
		For Type 316 Stainless Steel Frame, Add	*255.84*	
		For Baked Enamel Finish, Add	*62.29*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-11.75*	
		For 14 Gauge Frame, Add	*29.39*	
		For 12 Gauge Frame, Add	*44.67*	
08 12 13 13-0011	EA	5' x 6'-8" Through 7'-2" x 4-3/4" Deep Metal Door Frame, 16 Gauge	309.60	94.00
		For Auxiliary Frame Reinforcement For Hinges, Add	*18.24*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*14.59*	
		For Type 304 Stainless Steel Frame, Add	*228.28*	
		For Type 316 Stainless Steel Frame, Add	*264.76*	
		For Baked Enamel Finish, Add	*64.68*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-12.16*	
		For 14 Gauge Frame, Add	*30.40*	
		For 12 Gauge Frame, Add	*46.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0012	EA	5'-4" x 6'-8" Through 7'-2" x 4-3/4" Deep Metal Door Frame, 16 Gauge	317.43	97.92
		For Auxiliary Frame Reinforcement For Hinges, Add	*18.24*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*14.59*	
		For Type 304 Stainless Steel Frame, Add	*228.67*	
		For Type 316 Stainless Steel Frame, Add	*265.15*	
		For Baked Enamel Finish, Add	*65.85*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-12.16*	
		For 14 Gauge Frame, Add	*30.40*	
		For 12 Gauge Frame, Add	*46.21*	
08 12 13 13-0013	EA	6' x 6'-8" Through 7'-2" x 4-3/4" Deep Metal Door Frame, 16 Gauge	329.32	101.83
		For Auxiliary Frame Reinforcement For Hinges, Add	*18.85*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*15.08*	
		For Type 304 Stainless Steel Frame, Add	*236.35*	
		For Type 316 Stainless Steel Frame, Add	*274.05*	
		For Baked Enamel Finish, Add	*68.25*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-12.57*	
		For 14 Gauge Frame, Add	*31.41*	
		For 12 Gauge Frame, Add	*47.75*	
08 12 13 13-0014	EA	7' x 6'-8" Through 7'-2" x 4-3/4" Deep Metal Door Frame, 16 Gauge	341.35	103.80
		For Auxiliary Frame Reinforcement For Hinges, Add	*20.06*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*16.05*	
		For Type 304 Stainless Steel Frame, Add	*251.15*	
		For Type 316 Stainless Steel Frame, Add	*291.28*	
		For Baked Enamel Finish, Add	*71.27*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-13.38*	
		For 14 Gauge Frame, Add	*33.44*	
		For 12 Gauge Frame, Add	*50.83*	
08 12 13 13-0015	EA	8' x 6'-8" Through 7'-2" x 4-3/4" Deep Metal Door Frame, 16 Gauge	353.37	105.75
		For Auxiliary Frame Reinforcement For Hinges, Add	*21.28*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*17.02*	
		For Type 304 Stainless Steel Frame, Add	*265.92*	
		For Type 316 Stainless Steel Frame, Add	*308.48*	
		For Baked Enamel Finish, Add	*74.28*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-14.19*	
		For 14 Gauge Frame, Add	*35.47*	
		For 12 Gauge Frame, Add	*53.91*	
08 12 13 13-0016		>7'-2" Through 9'-0" High *(08 12 13 13-0001)*		
08 12 13 13-0017	EA	2' x >7'-2" Through 9' x 4-3/4" Deep Metal Door Frame, 16 Gauge	212.08	58.75
		For Auxiliary Frame Reinforcement For Hinges, Add	*14.19*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*11.35*	
		For Type 304 Stainless Steel Frame, Add	*176.12*	
		For Type 316 Stainless Steel Frame, Add	*204.49*	
		For Baked Enamel Finish, Add	*46.00*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-9.46*	
		For 14 Gauge Frame, Add	*23.65*	
		For 12 Gauge Frame, Add	*35.94*	
08 12 13 13-0018	EA	2'-4" x >7'-2" Through 9' x 4-3/4" Deep Metal Door Frame, 16 Gauge	241.84	64.63
		For Auxiliary Frame Reinforcement For Hinges, Add	*16.89*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*13.51*	
		For Type 304 Stainless Steel Frame, Add	*209.12*	
		For Type 316 Stainless Steel Frame, Add	*242.90*	
		For Baked Enamel Finish, Add	*53.16*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-11.26*	
		For 14 Gauge Frame, Add	*28.15*	
		For 12 Gauge Frame, Add	*42.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0019	EA	2'-6" x >7'-2" Through 9' x 4-3/4" Deep Metal Door Frame, 16 Gauge	251.47	68.55
		For Auxiliary Frame Reinforcement For Hinges, Add	*17.16*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*13.73*	
		For Type 304 Stainless Steel Frame, Add	*212.76*	
		For Type 316 Stainless Steel Frame, Add	*247.07*	
		For Baked Enamel Finish, Add	*54.88*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-11.44*	
		For 14 Gauge Frame, Add	*28.60*	
		For 12 Gauge Frame, Add	*43.47*	
08 12 13 13-0020	EA	2'-8" x >7'-2" Through 9' x 4-3/4" Deep Metal Door Frame, 16 Gauge	263.22	74.42
		For Auxiliary Frame Reinforcement For Hinges, Add	*17.16*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*13.73*	
		For Type 304 Stainless Steel Frame, Add	*213.34*	
		For Type 316 Stainless Steel Frame, Add	*247.66*	
		For Baked Enamel Finish, Add	*56.64*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-11.44*	
		For 14 Gauge Frame, Add	*28.60*	
		For 12 Gauge Frame, Add	*43.47*	
08 12 13 13-0021	EA	3' x >7'-2" Through 9' x 4-3/4" Deep Metal Door Frame, 16 Gauge	274.65	78.33
		For Auxiliary Frame Reinforcement For Hinges, Add	*17.70*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*14.16*	
		For Type 304 Stainless Steel Frame, Add	*220.22*	
		For Type 316 Stainless Steel Frame, Add	*255.61*	
		For Baked Enamel Finish, Add	*58.90*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-11.80*	
		For 14 Gauge Frame, Add	*29.50*	
		For 12 Gauge Frame, Add	*44.84*	
08 12 13 13-0022	EA	3'-4" x >7'-2" Through 9' x 4-3/4" Deep Metal Door Frame, 16 Gauge	290.60	82.25
		For Auxiliary Frame Reinforcement For Hinges, Add	*18.92*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*15.13*	
		For Type 304 Stainless Steel Frame, Add	*235.21*	
		For Type 316 Stainless Steel Frame, Add	*273.04*	
		For Baked Enamel Finish, Add	*62.51*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-12.61*	
		For 14 Gauge Frame, Add	*31.53*	
		For 12 Gauge Frame, Add	*47.92*	
08 12 13 13-0023	EA	3'-6" x >7'-2" Through 9' x 4-3/4" Deep Metal Door Frame, 16 Gauge	298.43	86.17
		For Auxiliary Frame Reinforcement For Hinges, Add	*18.92*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*15.13*	
		For Type 304 Stainless Steel Frame, Add	*235.60*	
		For Type 316 Stainless Steel Frame, Add	*273.43*	
		For Baked Enamel Finish, Add	*63.68*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-12.61*	
		For 14 Gauge Frame, Add	*31.53*	
		For 12 Gauge Frame, Add	*47.92*	
08 12 13 13-0024	EA	4' x >7'-2" Through 9' x 4-3/4" Deep Metal Door Frame, 16 Gauge	310.76	90.08
		For Auxiliary Frame Reinforcement For Hinges, Add	*19.59*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*15.67*	
		For Type 304 Stainless Steel Frame, Add	*244.09*	
		For Type 316 Stainless Steel Frame, Add	*283.27*	
		For Baked Enamel Finish, Add	*66.20*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-13.06*	
		For 14 Gauge Frame, Add	*32.65*	
		For 12 Gauge Frame, Add	*49.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0025	EA	5' x >7'-2" Through 9' x 4-3/4" Deep Metal Door Frame, 16 Gauge	323.11	94.00
		For Auxiliary Frame Reinforcement For Hinges, Add	*20.27*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*16.21*	
		For Type 304 Stainless Steel Frame, Add	*252.60*	
		For Type 316 Stainless Steel Frame, Add	*293.13*	
		For Baked Enamel Finish, Add	*68.73*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-13.51*	
		For 14 Gauge Frame, Add	*33.78*	
		For 12 Gauge Frame, Add	*51.34*	
08 12 13 13-0026	EA	5'-4" x >7'-2" Through 9' x 4-3/4" Deep Metal Door Frame, 16 Gauge	330.94	97.92
		For Auxiliary Frame Reinforcement For Hinges, Add	*20.27*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*16.21*	
		For Type 304 Stainless Steel Frame, Add	*252.99*	
		For Type 316 Stainless Steel Frame, Add	*293.52*	
		For Baked Enamel Finish, Add	*69.91*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-13.51*	
		For 14 Gauge Frame, Add	*33.78*	
		For 12 Gauge Frame, Add	*51.34*	
08 12 13 13-0027	EA	6' x >7'-2" Through 9' x 4-3/4" Deep Metal Door Frame, 16 Gauge	343.28	101.83
		For Auxiliary Frame Reinforcement For Hinges, Add	*20.94*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*16.75*	
		For Type 304 Stainless Steel Frame, Add	*261.48*	
		For Type 316 Stainless Steel Frame, Add	*303.36*	
		For Baked Enamel Finish, Add	*72.43*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-13.96*	
		For 14 Gauge Frame, Add	*34.90*	
		For 12 Gauge Frame, Add	*53.05*	
08 12 13 13-0028	EA	7' x >7'-2" Through 9' x 4-3/4" Deep Metal Door Frame, 16 Gauge	356.21	103.80
		For Auxiliary Frame Reinforcement For Hinges, Add	*22.29*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*17.83*	
		For Type 304 Stainless Steel Frame, Add	*277.90*	
		For Type 316 Stainless Steel Frame, Add	*322.48*	
		For Baked Enamel Finish, Add	*75.72*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-14.86*	
		For 14 Gauge Frame, Add	*37.16*	
		For 12 Gauge Frame, Add	*56.48*	
08 12 13 13-0029	EA	8' x >7'-2" Through 9' x 4-3/4" Deep Metal Door Frame, 16 Gauge	369.14	105.75
		For Auxiliary Frame Reinforcement For Hinges, Add	*23.64*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*18.92*	
		For Type 304 Stainless Steel Frame, Add	*294.31*	
		For Type 316 Stainless Steel Frame, Add	*341.60*	
		For Baked Enamel Finish, Add	*79.02*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-15.76*	
		For 14 Gauge Frame, Add	*39.41*	
		For 12 Gauge Frame, Add	*59.90*	

08 12 13 13-0030 Metal Frames 5-3/4" Depth x 16 Gauge, Knock-Down *(08 12 13 13)*

08 12 13 13-0031 6'-8" Through 7'-2" High *(08 12 13 13-0030)*

08 12 13 13-0032	EA	2' x 6'-8" Through 7'-2" x 5-3/4" Deep Metal Door Frame, 16 Gauge	212.08	58.75
		For Auxiliary Frame Reinforcement For Hinges, Add	*14.19*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*11.35*	
		For Type 304 Stainless Steel Frame, Add	*176.12*	
		For Type 316 Stainless Steel Frame, Add	*204.49*	
		For Baked Enamel Finish, Add	*46.00*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-9.46*	
		For 14 Gauge Frame, Add	*23.65*	
		For 12 Gauge Frame, Add	*35.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0033	EA	2'-4" x 6'-8" Through 7'-2" x 5-3/4" Deep Metal Door Frame, 16 Gauge	241.84	64.63
		For Auxiliary Frame Reinforcement For Hinges, Add	*16.89*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*13.51*	
		For Type 304 Stainless Steel Frame, Add	*209.12*	
		For Type 316 Stainless Steel Frame, Add	*242.90*	
		For Baked Enamel Finish, Add	*53.16*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-11.26*	
		For 14 Gauge Frame, Add	*28.15*	
		For 12 Gauge Frame, Add	*42.78*	
08 12 13 13-0034	EA	2'-6" x 6'-8" Through 7'-2" x 5-3/4" Deep Metal Door Frame, 16 Gauge	251.47	68.55
		For Auxiliary Frame Reinforcement For Hinges, Add	*17.16*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*13.73*	
		For Type 304 Stainless Steel Frame, Add	*212.76*	
		For Type 316 Stainless Steel Frame, Add	*247.07*	
		For Baked Enamel Finish, Add	*54.88*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-11.44*	
		For 14 Gauge Frame, Add	*28.60*	
		For 12 Gauge Frame, Add	*43.47*	
08 12 13 13-0035	EA	2'-8" x 6'-8" Through 7'-2" x 5-3/4" Deep Metal Door Frame, 16 Gauge	263.22	74.42
		For Auxiliary Frame Reinforcement For Hinges, Add	*17.16*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*13.73*	
		For Type 304 Stainless Steel Frame, Add	*213.34*	
		For Type 316 Stainless Steel Frame, Add	*247.66*	
		For Baked Enamel Finish, Add	*56.64*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-11.44*	
		For 14 Gauge Frame, Add	*28.60*	
		For 12 Gauge Frame, Add	*43.47*	
08 12 13 13-0036	EA	3' x 6'-8" Through 7'-2" x 5-3/4" Deep Metal Door Frame, 16 Gauge	274.65	78.33
		For Auxiliary Frame Reinforcement For Hinges, Add	*17.70*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*14.16*	
		For Type 304 Stainless Steel Frame, Add	*220.22*	
		For Type 316 Stainless Steel Frame, Add	*255.61*	
		For Baked Enamel Finish, Add	*58.90*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-11.80*	
		For 14 Gauge Frame, Add	*29.50*	
		For 12 Gauge Frame, Add	*44.84*	
08 12 13 13-0037	EA	3'-4" x 6'-8" Through 7'-2" x 5-3/4" Deep Metal Door Frame, 16 Gauge	290.60	82.25
		For Auxiliary Frame Reinforcement For Hinges, Add	*18.92*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*15.13*	
		For Type 304 Stainless Steel Frame, Add	*235.21*	
		For Type 316 Stainless Steel Frame, Add	*273.04*	
		For Baked Enamel Finish, Add	*62.51*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-12.61*	
		For 14 Gauge Frame, Add	*31.53*	
		For 12 Gauge Frame, Add	*47.92*	
08 12 13 13-0038	EA	3'-6" x 6'-8" Through 7'-2" x 5-3/4" Deep Metal Door Frame, 16 Gauge	298.43	86.17
		For Auxiliary Frame Reinforcement For Hinges, Add	*18.92*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*15.13*	
		For Type 304 Stainless Steel Frame, Add	*235.60*	
		For Type 316 Stainless Steel Frame, Add	*273.43*	
		For Baked Enamel Finish, Add	*63.68*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-12.61*	
		For 14 Gauge Frame, Add	*31.53*	
		For 12 Gauge Frame, Add	*47.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0039	EA	4' x 6'-8" Through 7'-2" x 5-3/4" Deep Metal Door Frame, 16 Gauge	310.76	90.08
		For Auxiliary Frame Reinforcement For Hinges, Add	*19.59*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*15.67*	
		For Type 304 Stainless Steel Frame, Add	*244.09*	
		For Type 316 Stainless Steel Frame, Add	*283.27*	
		For Baked Enamel Finish, Add	*66.20*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-13.06*	
		For 14 Gauge Frame, Add	*32.65*	
		For 12 Gauge Frame, Add	*49.63*	
08 12 13 13-0040	EA	5' x 6'-8" Through 7'-2" x 5-3/4" Deep Metal Door Frame, 16 Gauge	323.11	94.00
		For Auxiliary Frame Reinforcement For Hinges, Add	*20.27*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*16.21*	
		For Type 304 Stainless Steel Frame, Add	*252.60*	
		For Type 316 Stainless Steel Frame, Add	*293.13*	
		For Baked Enamel Finish, Add	*68.73*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-13.51*	
		For 14 Gauge Frame, Add	*33.78*	
		For 12 Gauge Frame, Add	*51.34*	
08 12 13 13-0041	EA	5'-4" x 6'-8" Through 7'-2" x 5-3/4" Deep Metal Door Frame, 16 Gauge	330.94	97.92
		For Auxiliary Frame Reinforcement For Hinges, Add	*20.27*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*16.21*	
		For Type 304 Stainless Steel Frame, Add	*252.99*	
		For Type 316 Stainless Steel Frame, Add	*293.52*	
		For Baked Enamel Finish, Add	*69.91*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-13.51*	
		For 14 Gauge Frame, Add	*33.78*	
		For 12 Gauge Frame, Add	*51.34*	
08 12 13 13-0042	EA	6' x 6'-8" Through 7'-2" x 5-3/4" Deep Metal Door Frame, 16 Gauge	343.28	101.83
		For Auxiliary Frame Reinforcement For Hinges, Add	*20.94*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*16.75*	
		For Type 304 Stainless Steel Frame, Add	*261.48*	
		For Type 316 Stainless Steel Frame, Add	*303.36*	
		For Baked Enamel Finish, Add	*72.43*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-13.96*	
		For 14 Gauge Frame, Add	*34.90*	
		For 12 Gauge Frame, Add	*53.05*	
08 12 13 13-0043	EA	7' x 6'-8" Through 7'-2" x 5-3/4" Deep Metal Door Frame, 16 Gauge	356.21	103.80
		For Auxiliary Frame Reinforcement For Hinges, Add	*22.29*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*17.83*	
		For Type 304 Stainless Steel Frame, Add	*277.90*	
		For Type 316 Stainless Steel Frame, Add	*322.48*	
		For Baked Enamel Finish, Add	*75.72*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-14.86*	
		For 14 Gauge Frame, Add	*37.16*	
		For 12 Gauge Frame, Add	*56.48*	
08 12 13 13-0044	EA	8' x 6'-8" Through 7'-2" x 5-3/4" Deep Metal Door Frame, 16 Gauge	369.14	105.75
		For Auxiliary Frame Reinforcement For Hinges, Add	*23.64*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*18.92*	
		For Type 304 Stainless Steel Frame, Add	*294.31*	
		For Type 316 Stainless Steel Frame, Add	*341.60*	
		For Baked Enamel Finish, Add	*79.02*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-15.76*	
		For 14 Gauge Frame, Add	*39.41*	
		For 12 Gauge Frame, Add	*59.90*	

08 12 13 13-0045 >7'-2" Through 9'-0" High *(08 12 13 13-0030)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0046	EA	2' x >7'-2" Through 9' x 5-3/4" Deep Metal Door Frame, 16 Gauge	222.58	58.75
		For Auxiliary Frame Reinforcement For Hinges, Add	*15.76*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*12.61*	
		For Type 304 Stainless Steel Frame, Add	*195.02*	
		For Type 316 Stainless Steel Frame, Add	*226.54*	
		For Baked Enamel Finish, Add	*49.15*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-10.51*	
		For 14 Gauge Frame, Add	*26.27*	
		For 12 Gauge Frame, Add	*39.93*	
08 12 13 13-0047	EA	2'-4" x >7'-2" Through 9' x 5-3/4" Deep Metal Door Frame, 16 Gauge	254.35	64.63
		For Auxiliary Frame Reinforcement For Hinges, Add	*18.77*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*15.01*	
		For Type 304 Stainless Steel Frame, Add	*231.64*	
		For Type 316 Stainless Steel Frame, Add	*269.17*	
		For Baked Enamel Finish, Add	*56.92*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-12.51*	
		For 14 Gauge Frame, Add	*31.28*	
		For 12 Gauge Frame, Add	*47.54*	
08 12 13 13-0048	EA	2'-6" x >7'-2" Through 9' x 5-3/4" Deep Metal Door Frame, 16 Gauge	264.18	68.55
		For Auxiliary Frame Reinforcement For Hinges, Add	*19.07*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*15.25*	
		For Type 304 Stainless Steel Frame, Add	*235.63*	
		For Type 316 Stainless Steel Frame, Add	*273.76*	
		For Baked Enamel Finish, Add	*58.69*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-12.71*	
		For 14 Gauge Frame, Add	*31.78*	
		For 12 Gauge Frame, Add	*48.30*	
08 12 13 13-0049	EA	2'-8" x >7'-2" Through 9' x 5-3/4" Deep Metal Door Frame, 16 Gauge	275.93	74.42
		For Auxiliary Frame Reinforcement For Hinges, Add	*19.07*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*15.25*	
		For Type 304 Stainless Steel Frame, Add	*236.22*	
		For Type 316 Stainless Steel Frame, Add	*274.35*	
		For Baked Enamel Finish, Add	*60.45*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-12.71*	
		For 14 Gauge Frame, Add	*31.78*	
		For 12 Gauge Frame, Add	*48.30*	
08 12 13 13-0050	EA	3' x >7'-2" Through 9' x 5-3/4" Deep Metal Door Frame, 16 Gauge	287.76	78.33
		For Auxiliary Frame Reinforcement For Hinges, Add	*19.67*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*15.73*	
		For Type 304 Stainless Steel Frame, Add	*243.81*	
		For Type 316 Stainless Steel Frame, Add	*283.14*	
		For Baked Enamel Finish, Add	*62.83*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-13.11*	
		For 14 Gauge Frame, Add	*32.78*	
		For 12 Gauge Frame, Add	*49.82*	
08 12 13 13-0051	EA	3'-4" x >7'-2" Through 9' x 5-3/4" Deep Metal Door Frame, 16 Gauge	304.61	82.25
		For Auxiliary Frame Reinforcement For Hinges, Add	*21.02*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*16.81*	
		For Type 304 Stainless Steel Frame, Add	*260.42*	
		For Type 316 Stainless Steel Frame, Add	*302.46*	
		For Baked Enamel Finish, Add	*66.71*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-14.01*	
		For 14 Gauge Frame, Add	*35.03*	
		For 12 Gauge Frame, Add	*53.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0052	EA	3'-6" x >7'-2" Through 9' x 5-3/4" Deep Metal Door Frame, 16 Gauge	312.44	86.17
		For Auxiliary Frame Reinforcement For Hinges, Add	*21.02*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*16.81*	
		For Type 304 Stainless Steel Frame, Add	*260.81*	
		For Type 316 Stainless Steel Frame, Add	*302.85*	
		For Baked Enamel Finish, Add	*67.88*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-14.01*	
		For 14 Gauge Frame, Add	*35.03*	
		For 12 Gauge Frame, Add	*53.24*	
08 12 13 13-0053	EA	4' x >7'-2" Through 9' x 5-3/4" Deep Metal Door Frame, 16 Gauge	325.28	90.08
		For Auxiliary Frame Reinforcement For Hinges, Add	*21.77*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*17.41*	
		For Type 304 Stainless Steel Frame, Add	*270.22*	
		For Type 316 Stainless Steel Frame, Add	*313.76*	
		For Baked Enamel Finish, Add	*70.56*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-14.51*	
		For 14 Gauge Frame, Add	*36.28*	
		For 12 Gauge Frame, Add	*55.15*	
08 12 13 13-0054	EA	5' x >7'-2" Through 9' x 5-3/4" Deep Metal Door Frame, 16 Gauge	338.12	94.00
		For Auxiliary Frame Reinforcement For Hinges, Add	*22.52*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*18.01*	
		For Type 304 Stainless Steel Frame, Add	*279.62*	
		For Type 316 Stainless Steel Frame, Add	*324.65*	
		For Baked Enamel Finish, Add	*73.24*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-15.01*	
		For 14 Gauge Frame, Add	*37.53*	
		For 12 Gauge Frame, Add	*57.05*	
08 12 13 13-0055	EA	5'-4" x >7'-2" Through 9' x 5-3/4" Deep Metal Door Frame, 16 Gauge	345.95	97.92
		For Auxiliary Frame Reinforcement For Hinges, Add	*22.52*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*18.01*	
		For Type 304 Stainless Steel Frame, Add	*280.01*	
		For Type 316 Stainless Steel Frame, Add	*325.04*	
		For Baked Enamel Finish, Add	*74.41*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-15.01*	
		For 14 Gauge Frame, Add	*37.53*	
		For 12 Gauge Frame, Add	*57.05*	
08 12 13 13-0056	EA	6' x >7'-2" Through 9' x 5-3/4" Deep Metal Door Frame, 16 Gauge	358.79	101.83
		For Auxiliary Frame Reinforcement For Hinges, Add	*23.27*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*18.61*	
		For Type 304 Stainless Steel Frame, Add	*289.40*	
		For Type 316 Stainless Steel Frame, Add	*335.94*	
		For Baked Enamel Finish, Add	*77.09*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-15.51*	
		For 14 Gauge Frame, Add	*38.78*	
		For 12 Gauge Frame, Add	*58.95*	
08 12 13 13-0057	EA	7' x >7'-2" Through 9' x 5-3/4" Deep Metal Door Frame, 16 Gauge	372.72	103.80
		For Auxiliary Frame Reinforcement For Hinges, Add	*24.77*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*19.82*	
		For Type 304 Stainless Steel Frame, Add	*307.61*	
		For Type 316 Stainless Steel Frame, Add	*357.15*	
		For Baked Enamel Finish, Add	*80.68*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-16.51*	
		For 14 Gauge Frame, Add	*41.28*	
		For 12 Gauge Frame, Add	*62.75*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0058	EA	8' x >7'-2" Through 9' x 5-3/4" Deep Metal Door Frame, 16 Gauge	386.65	105.75
		For Auxiliary Frame Reinforcement For Hinges, Add	*26.27*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*21.02*	
		For Type 304 Stainless Steel Frame, Add	*325.83*	
		For Type 316 Stainless Steel Frame, Add	*378.37*	
		For Baked Enamel Finish, Add	*84.27*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-17.51*	
		For 14 Gauge Frame, Add	*43.79*	
		For 12 Gauge Frame, Add	*66.55*	

08 12 13 13-0059 Metal Frames 6-3/4" Depth x 16 Gauge, Knock-Down *(08 12 13 13)*

08 12 13 13-0060 6'-8" Through 7'-2" High *(08 12 13 13-0059)*

08 12 13 13-0061	EA	2' x 6'-8" Through 7'-2" x 6-3/4" Deep Metal Door Frame, 16 Gauge	267.22	58.75
		For Auxiliary Frame Reinforcement For Hinges, Add	*22.46*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*17.97*	
		For Type 304 Stainless Steel Frame, Add	*275.37*	
		For Type 316 Stainless Steel Frame, Add	*320.29*	
		For Baked Enamel Finish, Add	*62.54*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-14.97*	
		For 14 Gauge Frame, Add	*37.43*	
		For 12 Gauge Frame, Add	*56.89*	
08 12 13 13-0062	EA	2'-4" x 6'-8" Through 7'-2" x 6-3/4" Deep Metal Door Frame, 16 Gauge	307.49	64.63
		For Auxiliary Frame Reinforcement For Hinges, Add	*26.74*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*21.39*	
		For Type 304 Stainless Steel Frame, Add	*327.29*	
		For Type 316 Stainless Steel Frame, Add	*380.77*	
		For Baked Enamel Finish, Add	*72.86*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-17.82*	
		For 14 Gauge Frame, Add	*44.56*	
		For 12 Gauge Frame, Add	*67.73*	
08 12 13 13-0063	EA	2'-6" x 6'-8" Through 7'-2" x 6-3/4" Deep Metal Door Frame, 16 Gauge	318.17	68.55
		For Auxiliary Frame Reinforcement For Hinges, Add	*27.16*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*21.73*	
		For Type 304 Stainless Steel Frame, Add	*332.82*	
		For Type 316 Stainless Steel Frame, Add	*387.14*	
		For Baked Enamel Finish, Add	*74.89*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-18.11*	
		For 14 Gauge Frame, Add	*45.27*	
		For 12 Gauge Frame, Add	*68.81*	
08 12 13 13-0064	EA	2'-8" x 6'-8" Through 7'-2" x 6-3/4" Deep Metal Door Frame, 16 Gauge	329.92	74.42
		For Auxiliary Frame Reinforcement For Hinges, Add	*27.16*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*21.73*	
		For Type 304 Stainless Steel Frame, Add	*333.40*	
		For Type 316 Stainless Steel Frame, Add	*387.73*	
		For Baked Enamel Finish, Add	*76.65*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-18.11*	
		For 14 Gauge Frame, Add	*45.27*	
		For 12 Gauge Frame, Add	*68.81*	
08 12 13 13-0065	EA	3' x 6'-8" Through 7'-2" x 6-3/4" Deep Metal Door Frame, 16 Gauge	343.46	78.33
		For Auxiliary Frame Reinforcement For Hinges, Add	*28.02*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*22.42*	
		For Type 304 Stainless Steel Frame, Add	*344.07*	
		For Type 316 Stainless Steel Frame, Add	*400.11*	
		For Baked Enamel Finish, Add	*79.54*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-18.68*	
		For 14 Gauge Frame, Add	*46.70*	
		For 12 Gauge Frame, Add	*70.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0066	EA	3'-4" x 6'-8" Through 7'-2" x 6-3/4" Deep Metal Door Frame, 16 Gauge	364.13	82.25
		For Auxiliary Frame Reinforcement For Hinges, Add	*29.94*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*23.96*	
		For Type 304 Stainless Steel Frame, Add	*367.56*	
		For Type 316 Stainless Steel Frame, Add	*427.45*	
		For Baked Enamel Finish, Add	*84.56*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-19.96*	
		For 14 Gauge Frame, Add	*49.91*	
		For 12 Gauge Frame, Add	*75.86*	
08 12 13 13-0067	EA	3'-6" x 6'-8" Through 7'-2" x 6-3/4" Deep Metal Door Frame, 16 Gauge	371.96	86.17
		For Auxiliary Frame Reinforcement For Hinges, Add	*29.94*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*23.96*	
		For Type 304 Stainless Steel Frame, Add	*367.95*	
		For Type 316 Stainless Steel Frame, Add	*427.84*	
		For Baked Enamel Finish, Add	*85.74*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-19.96*	
		For 14 Gauge Frame, Add	*49.91*	
		For 12 Gauge Frame, Add	*75.86*	
08 12 13 13-0068	EA	4' x 6'-8" Through 7'-2" x 6-3/4" Deep Metal Door Frame, 16 Gauge	386.92	90.08
		For Auxiliary Frame Reinforcement For Hinges, Add	*31.01*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*24.81*	
		For Type 304 Stainless Steel Frame, Add	*381.18*	
		For Type 316 Stainless Steel Frame, Add	*443.20*	
		For Baked Enamel Finish, Add	*89.05*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-20.68*	
		For 14 Gauge Frame, Add	*51.69*	
		For 12 Gauge Frame, Add	*78.57*	
08 12 13 13-0069	EA	5' x 6'-8" Through 7'-2" x 6-3/4" Deep Metal Door Frame, 16 Gauge	401.89	94.00
		For Auxiliary Frame Reinforcement For Hinges, Add	*32.08*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*25.67*	
		For Type 304 Stainless Steel Frame, Add	*394.40*	
		For Type 316 Stainless Steel Frame, Add	*458.57*	
		For Baked Enamel Finish, Add	*92.37*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-21.39*	
		For 14 Gauge Frame, Add	*53.47*	
		For 12 Gauge Frame, Add	*81.28*	
08 12 13 13-0070	EA	5'-4" x 6'-8" Through 7'-2" x 6-3/4" Deep Metal Door Frame, 16 Gauge	409.72	97.92
		For Auxiliary Frame Reinforcement For Hinges, Add	*32.08*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*25.67*	
		For Type 304 Stainless Steel Frame, Add	*394.79*	
		For Type 316 Stainless Steel Frame, Add	*458.96*	
		For Baked Enamel Finish, Add	*93.54*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-21.39*	
		For 14 Gauge Frame, Add	*53.47*	
		For 12 Gauge Frame, Add	*81.28*	
08 12 13 13-0071	EA	6' x 6'-8" Through 7'-2" x 6-3/4" Deep Metal Door Frame, 16 Gauge	424.69	101.83
		For Auxiliary Frame Reinforcement For Hinges, Add	*33.15*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*26.52*	
		For Type 304 Stainless Steel Frame, Add	*408.02*	
		For Type 316 Stainless Steel Frame, Add	*474.33*	
		For Baked Enamel Finish, Add	*96.86*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-22.10*	
		For 14 Gauge Frame, Add	*55.26*	
		For 12 Gauge Frame, Add	*83.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0072	EA	7' x 6'-8" Through 7'-2" x 6-3/4" Deep Metal Door Frame, 16 Gauge	442.87	103.80
		For Auxiliary Frame Reinforcement For Hinges, Add	*35.29*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*28.23*	
		For Type 304 Stainless Steel Frame, Add	*433.88*	
		For Type 316 Stainless Steel Frame, Add	*504.47*	
		For Baked Enamel Finish, Add	*101.72*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-23.53*	
		For 14 Gauge Frame, Add	*58.82*	
		For 12 Gauge Frame, Add	*89.41*	
08 12 13 13-0073	EA	8' x 6'-8" Through 7'-2" x 6-3/4" Deep Metal Door Frame, 16 Gauge	461.05	105.75
		For Auxiliary Frame Reinforcement For Hinges, Add	*37.43*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*29.94*	
		For Type 304 Stainless Steel Frame, Add	*459.75*	
		For Type 316 Stainless Steel Frame, Add	*534.61*	
		For Baked Enamel Finish, Add	*106.59*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-24.95*	
		For 14 Gauge Frame, Add	*62.39*	
		For 12 Gauge Frame, Add	*94.83*	

08 12 13 13-0074 >7'-2" Through 9'-0" High *(08 12 13 13-0059)*

08 12 13 13-0075	EA	2' x >7'-2" Through 9' x 6-3/4" Deep Metal Door Frame, 16 Gauge	283.86	58.75
		For Auxiliary Frame Reinforcement For Hinges, Add	*24.95*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*19.96*	
		For Type 304 Stainless Steel Frame, Add	*305.32*	
		For Type 316 Stainless Steel Frame, Add	*355.23*	
		For Baked Enamel Finish, Add	*67.53*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-16.64*	
		For 14 Gauge Frame, Add	*41.59*	
		For 12 Gauge Frame, Add	*63.22*	
08 12 13 13-0076	EA	2'-4" x >7'-2" Through 9' x 6-3/4" Deep Metal Door Frame, 16 Gauge	327.30	64.63
		For Auxiliary Frame Reinforcement For Hinges, Add	*29.71*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*23.77*	
		For Type 304 Stainless Steel Frame, Add	*362.95*	
		For Type 316 Stainless Steel Frame, Add	*422.37*	
		For Baked Enamel Finish, Add	*78.80*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-19.81*	
		For 14 Gauge Frame, Add	*49.51*	
		For 12 Gauge Frame, Add	*75.26*	
08 12 13 13-0077	EA	2'-6" x >7'-2" Through 9' x 6-3/4" Deep Metal Door Frame, 16 Gauge	338.30	68.55
		For Auxiliary Frame Reinforcement For Hinges, Add	*30.18*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*24.15*	
		For Type 304 Stainless Steel Frame, Add	*369.05*	
		For Type 316 Stainless Steel Frame, Add	*429.42*	
		For Baked Enamel Finish, Add	*80.93*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-20.12*	
		For 14 Gauge Frame, Add	*50.31*	
		For 12 Gauge Frame, Add	*76.46*	
08 12 13 13-0078	EA	2'-8" x >7'-2" Through 9' x 6-3/4" Deep Metal Door Frame, 16 Gauge	350.05	74.42
		For Auxiliary Frame Reinforcement For Hinges, Add	*30.18*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*24.15*	
		For Type 304 Stainless Steel Frame, Add	*369.64*	
		For Type 316 Stainless Steel Frame, Add	*430.00*	
		For Baked Enamel Finish, Add	*82.69*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-20.12*	
		For 14 Gauge Frame, Add	*50.31*	
		For 12 Gauge Frame, Add	*76.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0079	EA	3' x >7'-2" Through 9' x 6-3/4" Deep Metal Door Frame, 16 Gauge	364.21	78.33
		For Auxiliary Frame Reinforcement For Hinges, Add	*31.13*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*24.91*	
		For Type 304 Stainless Steel Frame, Add	*381.42*	
		For Type 316 Stainless Steel Frame, Add	*443.69*	
		For Baked Enamel Finish, Add	*85.76*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-20.76*	
		For 14 Gauge Frame, Add	*51.89*	
		For 12 Gauge Frame, Add	*78.87*	
08 12 13 13-0080	EA	3'-4" x >7'-2" Through 9' x 6-3/4" Deep Metal Door Frame, 16 Gauge	386.31	82.25
		For Auxiliary Frame Reinforcement For Hinges, Add	*33.27*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*26.62*	
		For Type 304 Stainless Steel Frame, Add	*407.48*	
		For Type 316 Stainless Steel Frame, Add	*474.03*	
		For Baked Enamel Finish, Add	*91.22*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-22.18*	
		For 14 Gauge Frame, Add	*55.45*	
		For 12 Gauge Frame, Add	*84.29*	
08 12 13 13-0081	EA	3'-6" x >7'-2" Through 9' x 6-3/4" Deep Metal Door Frame, 16 Gauge	394.14	86.17
		For Auxiliary Frame Reinforcement For Hinges, Add	*33.27*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*26.62*	
		For Type 304 Stainless Steel Frame, Add	*407.87*	
		For Type 316 Stainless Steel Frame, Add	*474.42*	
		For Baked Enamel Finish, Add	*92.39*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-22.18*	
		For 14 Gauge Frame, Add	*55.45*	
		For 12 Gauge Frame, Add	*84.29*	
08 12 13 13-0082	EA	4' x >7'-2" Through 9' x 6-3/4" Deep Metal Door Frame, 16 Gauge	409.89	90.08
		For Auxiliary Frame Reinforcement For Hinges, Add	*34.46*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*27.57*	
		For Type 304 Stainless Steel Frame, Add	*422.52*	
		For Type 316 Stainless Steel Frame, Add	*491.44*	
		For Baked Enamel Finish, Add	*95.94*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-22.97*	
		For 14 Gauge Frame, Add	*57.43*	
		For 12 Gauge Frame, Add	*87.30*	
08 12 13 13-0083	EA	5' x >7'-2" Through 9' x 6-3/4" Deep Metal Door Frame, 16 Gauge	425.66	94.00
		For Auxiliary Frame Reinforcement For Hinges, Add	*35.65*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*28.52*	
		For Type 304 Stainless Steel Frame, Add	*437.19*	
		For Type 316 Stainless Steel Frame, Add	*508.49*	
		For Baked Enamel Finish, Add	*99.50*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-23.77*	
		For 14 Gauge Frame, Add	*59.42*	
		For 12 Gauge Frame, Add	*90.31*	
08 12 13 13-0084	EA	5'-4" x >7'-2" Through 9' x 6-3/4" Deep Metal Door Frame, 16 Gauge	433.49	97.92
		For Auxiliary Frame Reinforcement For Hinges, Add	*35.65*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*28.52*	
		For Type 304 Stainless Steel Frame, Add	*437.58*	
		For Type 316 Stainless Steel Frame, Add	*508.88*	
		For Baked Enamel Finish, Add	*100.67*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-23.77*	
		For 14 Gauge Frame, Add	*59.42*	
		For 12 Gauge Frame, Add	*90.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0085	EA	6' x >7'-2" Through 9' x 6-3/4" Deep Metal Door Frame, 16 Gauge	449.25	101.83
		For Auxiliary Frame Reinforcement For Hinges, Add	*36.84*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*29.47*	
		For Type 304 Stainless Steel Frame, Add	*452.23*	
		For Type 316 Stainless Steel Frame, Add	*525.90*	
		For Baked Enamel Finish, Add	*104.22*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-24.56*	
		For 14 Gauge Frame, Add	*61.40*	
		For 12 Gauge Frame, Add	*93.32*	
08 12 13 13-0086	EA	7' x >7'-2" Through 9' x 6-3/4" Deep Metal Door Frame, 16 Gauge	469.01	103.80
		For Auxiliary Frame Reinforcement For Hinges, Add	*39.21*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*31.37*	
		For Type 304 Stainless Steel Frame, Add	*480.94*	
		For Type 316 Stainless Steel Frame, Add	*559.36*	
		For Baked Enamel Finish, Add	*109.56*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-26.14*	
		For 14 Gauge Frame, Add	*65.36*	
		For 12 Gauge Frame, Add	*99.34*	
08 12 13 13-0087	EA	8' x >7'-2" Through 9' x 6-3/4" Deep Metal Door Frame, 16 Gauge	488.78	105.75
		For Auxiliary Frame Reinforcement For Hinges, Add	*41.59*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*33.27*	
		For Type 304 Stainless Steel Frame, Add	*509.66*	
		For Type 316 Stainless Steel Frame, Add	*592.84*	
		For Baked Enamel Finish, Add	*114.91*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-27.73*	
		For 14 Gauge Frame, Add	*69.32*	
		For 12 Gauge Frame, Add	*105.36*	

08 12 13 13-0088 Metal Frames 6-7/8" Through 8-3/4" Depth x 16 Gauge, Knock-Down *(08 12 13 13)*

08 12 13 13-0089 6'-8" Through 7'-2" High *(08 12 13 13-0088)*

08 12 13 13-0090	EA	2' x 6'-8" Through 7'-2" x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	278.45	58.75
		For Auxiliary Frame Reinforcement For Hinges, Add	*24.14*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*19.31*	
		For Type 304 Stainless Steel Frame, Add	*295.59*	
		For Type 316 Stainless Steel Frame, Add	*343.87*	
		For Baked Enamel Finish, Add	*65.91*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-16.10*	
		For 14 Gauge Frame, Add	*40.24*	
		For 12 Gauge Frame, Add	*61.16*	
08 12 13 13-0091	EA	2'-4" x 6'-8" Through 7'-2" x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	320.86	64.63
		For Auxiliary Frame Reinforcement For Hinges, Add	*28.74*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*22.99*	
		For Type 304 Stainless Steel Frame, Add	*351.36*	
		For Type 316 Stainless Steel Frame, Add	*408.84*	
		For Baked Enamel Finish, Add	*76.87*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-19.16*	
		For 14 Gauge Frame, Add	*47.90*	
		For 12 Gauge Frame, Add	*72.81*	
08 12 13 13-0092	EA	2'-6" x 6'-8" Through 7'-2" x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	331.76	68.55
		For Auxiliary Frame Reinforcement For Hinges, Add	*29.20*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*23.36*	
		For Type 304 Stainless Steel Frame, Add	*357.28*	
		For Type 316 Stainless Steel Frame, Add	*415.68*	
		For Baked Enamel Finish, Add	*78.97*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-19.47*	
		For 14 Gauge Frame, Add	*48.67*	
		For 12 Gauge Frame, Add	*73.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0093	EA	2'-8" x 6'-8" Through 7'-2" x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	343.51	74.42
		For Auxiliary Frame Reinforcement For Hinges, Add	*29.20*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*23.36*	
		For Type 304 Stainless Steel Frame, Add	*357.87*	
		For Type 316 Stainless Steel Frame, Add	*416.27*	
		For Baked Enamel Finish, Add	*80.73*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-19.47*	
		For 14 Gauge Frame, Add	*48.67*	
		For 12 Gauge Frame, Add	*73.98*	
08 12 13 13-0094	EA	2'-10" x 6'-8" Through 7'-2" x 6-7/8" Through 8-3/4" Deep Metal Door Frame 16 Gauge	350.49	76.38
		For Auxiliary Frame Reinforcement For Hinges, Add	*29.66*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*23.73*	
		For Type 304 Stainless Steel Frame, Add	*363.57*	
		For Type 316 Stainless Steel Frame, Add	*422.89*	
		For Baked Enamel Finish, Add	*82.23*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-19.77*	
		For 14 Gauge Frame, Add	*49.44*	
		For 12 Gauge Frame, Add	*75.14*	
08 12 13 13-0095	EA	3' x 6'-8" Through 7'-2" x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	357.47	78.33
		For Auxiliary Frame Reinforcement For Hinges, Add	*30.12*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*24.10*	
		For Type 304 Stainless Steel Frame, Add	*369.29*	
		For Type 316 Stainless Steel Frame, Add	*429.53*	
		For Baked Enamel Finish, Add	*83.74*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-20.08*	
		For 14 Gauge Frame, Add	*50.20*	
		For 12 Gauge Frame, Add	*76.31*	
08 12 13 13-0096	EA	3'-4" x 6'-8" Through 7'-2" x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	379.10	82.25
		For Auxiliary Frame Reinforcement For Hinges, Add	*32.19*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*25.75*	
		For Type 304 Stainless Steel Frame, Add	*394.51*	
		For Type 316 Stainless Steel Frame, Add	*458.89*	
		For Baked Enamel Finish, Add	*89.06*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-21.46*	
		For 14 Gauge Frame, Add	*53.65*	
		For 12 Gauge Frame, Add	*81.55*	
08 12 13 13-0097	EA	3'-6" x 6'-8" Through 7'-2" x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	386.93	86.17
		For Auxiliary Frame Reinforcement For Hinges, Add	*32.19*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*25.75*	
		For Type 304 Stainless Steel Frame, Add	*394.90*	
		For Type 316 Stainless Steel Frame, Add	*459.28*	
		For Baked Enamel Finish, Add	*90.23*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-21.46*	
		For 14 Gauge Frame, Add	*53.65*	
		For 12 Gauge Frame, Add	*81.55*	
08 12 13 13-0098	EA	4' x 6'-8" Through 7'-2" x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	402.43	90.08
		For Auxiliary Frame Reinforcement For Hinges, Add	*33.34*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*26.67*	
		For Type 304 Stainless Steel Frame, Add	*409.09*	
		For Type 316 Stainless Steel Frame, Add	*475.78*	
		For Baked Enamel Finish, Add	*93.71*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-22.23*	
		For 14 Gauge Frame, Add	*55.57*	
		For 12 Gauge Frame, Add	*84.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0099	EA	5' x 6'-8" Through 7'-2" x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	417.93	94.00
		For Auxiliary Frame Reinforcement For Hinges, Add	*34.49*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*27.59*	
		For Type 304 Stainless Steel Frame, Add	*423.27*	
		For Type 316 Stainless Steel Frame, Add	*492.25*	
		For Baked Enamel Finish, Add	*97.18*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-22.99*	
		For 14 Gauge Frame, Add	*57.48*	
		For 12 Gauge Frame, Add	*87.37*	
08 12 13 13-0100	EA	5'-4" x 6'-8" Through 7'-2" x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	425.76	97.92
		For Auxiliary Frame Reinforcement For Hinges, Add	*34.49*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*27.59*	
		For Type 304 Stainless Steel Frame, Add	*423.67*	
		For Type 316 Stainless Steel Frame, Add	*492.64*	
		For Baked Enamel Finish, Add	*98.35*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-22.99*	
		For 14 Gauge Frame, Add	*57.48*	
		For 12 Gauge Frame, Add	*87.37*	
08 12 13 13-0101	EA	5'-8" x 6'-8" Through 7'-2" x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	433.52	99.88
		For Auxiliary Frame Reinforcement For Hinges, Add	*35.06*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*28.05*	
		For Type 304 Stainless Steel Frame, Add	*430.76*	
		For Type 316 Stainless Steel Frame, Add	*500.88*	
		For Baked Enamel Finish, Add	*100.09*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-23.38*	
		For 14 Gauge Frame, Add	*58.44*	
		For 12 Gauge Frame, Add	*88.83*	
08 12 13 13-0102	EA	6' x 6'-8" Through 7'-2" x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	441.27	101.83
		For Auxiliary Frame Reinforcement For Hinges, Add	*35.64*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*28.51*	
		For Type 304 Stainless Steel Frame, Add	*437.86*	
		For Type 316 Stainless Steel Frame, Add	*509.14*	
		For Baked Enamel Finish, Add	*101.83*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-23.76*	
		For 14 Gauge Frame, Add	*59.40*	
		For 12 Gauge Frame, Add	*90.29*	
08 12 13 13-0103	EA	7' x 6'-8" Through 7'-2" x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	460.51	103.80
		For Auxiliary Frame Reinforcement For Hinges, Add	*37.94*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*30.35*	
		For Type 304 Stainless Steel Frame, Add	*465.64*	
		For Type 316 Stainless Steel Frame, Add	*541.51*	
		For Baked Enamel Finish, Add	*107.01*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-25.29*	
		For 14 Gauge Frame, Add	*63.23*	
		For 12 Gauge Frame, Add	*96.11*	
08 12 13 13-0104	EA	8' x 6'-8" Through 7'-2" x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	479.76	105.75
		For Auxiliary Frame Reinforcement For Hinges, Add	*40.24*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*32.19*	
		For Type 304 Stainless Steel Frame, Add	*493.43*	
		For Type 316 Stainless Steel Frame, Add	*573.90*	
		For Baked Enamel Finish, Add	*112.20*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-26.83*	
		For 14 Gauge Frame, Add	*67.06*	
		For 12 Gauge Frame, Add	*101.94*	

08 12 13 13-0105 >7'-2" Through 9'-0" High *(08 12 13 13-0088)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0106	EA	2' x >7'-2" Through 9' x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	296.34	58.75
		For Auxiliary Frame Reinforcement For Hinges, Add	*26.83*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*21.46*	
		For Type 304 Stainless Steel Frame, Add	*327.79*	
		For Type 316 Stainless Steel Frame, Add	*381.44*	
		For Baked Enamel Finish, Add	*71.28*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-17.88*	
		For 14 Gauge Frame, Add	*44.71*	
		For 12 Gauge Frame, Add	*67.96*	
08 12 13 13-0107	EA	2'-4" x >7'-2" Through 9' x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	342.15	64.63
		For Auxiliary Frame Reinforcement For Hinges, Add	*31.94*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*25.55*	
		For Type 304 Stainless Steel Frame, Add	*389.68*	
		For Type 316 Stainless Steel Frame, Add	*453.55*	
		For Baked Enamel Finish, Add	*83.26*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-21.29*	
		For 14 Gauge Frame, Add	*53.23*	
		For 12 Gauge Frame, Add	*80.90*	
08 12 13 13-0108	EA	2'-6" x >7'-2" Through 9' x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	353.39	68.55
		For Auxiliary Frame Reinforcement For Hinges, Add	*32.45*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*25.96*	
		For Type 304 Stainless Steel Frame, Add	*396.21*	
		For Type 316 Stainless Steel Frame, Add	*461.11*	
		For Baked Enamel Finish, Add	*85.46*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-21.63*	
		For 14 Gauge Frame, Add	*54.08*	
		For 12 Gauge Frame, Add	*82.20*	
08 12 13 13-0109	EA	2'-8" x >7'-2" Through 9' x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	365.14	74.42
		For Auxiliary Frame Reinforcement For Hinges, Add	*32.45*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*25.96*	
		For Type 304 Stainless Steel Frame, Add	*396.80*	
		For Type 316 Stainless Steel Frame, Add	*461.69*	
		For Baked Enamel Finish, Add	*87.22*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-21.63*	
		For 14 Gauge Frame, Add	*54.08*	
		For 12 Gauge Frame, Add	*82.20*	
08 12 13 13-0110	EA	2'-10" x >7'-2" Through 9' x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	372.46	76.38
		For Auxiliary Frame Reinforcement For Hinges, Add	*32.96*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*26.37*	
		For Type 304 Stainless Steel Frame, Add	*403.12*	
		For Type 316 Stainless Steel Frame, Add	*469.03*	
		For Baked Enamel Finish, Add	*88.83*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-21.97*	
		For 14 Gauge Frame, Add	*54.93*	
		For 12 Gauge Frame, Add	*83.49*	
08 12 13 13-0111	EA	3' x >7'-2" Through 9' x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	379.78	78.33
		For Auxiliary Frame Reinforcement For Hinges, Add	*33.47*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*26.77*	
		For Type 304 Stainless Steel Frame, Add	*409.45*	
		For Type 316 Stainless Steel Frame, Add	*476.39*	
		For Baked Enamel Finish, Add	*90.44*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-22.31*	
		For 14 Gauge Frame, Add	*55.78*	
		For 12 Gauge Frame, Add	*84.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0112	EA	3'-4" x >7'-2" Through 9' x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	402.95	82.25
		For Auxiliary Frame Reinforcement For Hinges, Add	*35.77*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*28.61*	
		For Type 304 Stainless Steel Frame, Add	*437.44*	
		For Type 316 Stainless Steel Frame, Add	*508.97*	
		For Baked Enamel Finish, Add	*96.21*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-23.85*	
		For 14 Gauge Frame, Add	*59.61*	
		For 12 Gauge Frame, Add	*90.61*	
08 12 13 13-0113	EA	3'-6" x >7'-2" Through 9' x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	410.78	86.17
		For Auxiliary Frame Reinforcement For Hinges, Add	*35.77*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*28.61*	
		For Type 304 Stainless Steel Frame, Add	*437.83*	
		For Type 316 Stainless Steel Frame, Add	*509.36*	
		For Baked Enamel Finish, Add	*97.38*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-23.85*	
		For 14 Gauge Frame, Add	*59.61*	
		For 12 Gauge Frame, Add	*90.61*	
08 12 13 13-0114	EA	4' x >7'-2" Through 9' x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	427.12	90.08
		For Auxiliary Frame Reinforcement For Hinges, Add	*37.04*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*29.64*	
		For Type 304 Stainless Steel Frame, Add	*453.54*	
		For Type 316 Stainless Steel Frame, Add	*527.62*	
		For Baked Enamel Finish, Add	*101.11*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-24.70*	
		For 14 Gauge Frame, Add	*61.74*	
		For 12 Gauge Frame, Add	*93.84*	
08 12 13 13-0115	EA	5' x >7'-2" Through 9' x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	443.48	94.00
		For Auxiliary Frame Reinforcement For Hinges, Add	*38.32*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*30.66*	
		For Type 304 Stainless Steel Frame, Add	*469.26*	
		For Type 316 Stainless Steel Frame, Add	*545.91*	
		For Baked Enamel Finish, Add	*104.84*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-25.55*	
		For 14 Gauge Frame, Add	*63.87*	
		For 12 Gauge Frame, Add	*97.08*	
08 12 13 13-0116	EA	5'-4" x >7'-2" Through 9' x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	451.31	97.92
		For Auxiliary Frame Reinforcement For Hinges, Add	*38.32*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*30.66*	
		For Type 304 Stainless Steel Frame, Add	*469.66*	
		For Type 316 Stainless Steel Frame, Add	*546.30*	
		For Baked Enamel Finish, Add	*106.02*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-25.55*	
		For 14 Gauge Frame, Add	*63.87*	
		For 12 Gauge Frame, Add	*97.08*	
08 12 13 13-0117	EA	5'-8" x >7'-2" Through 9' x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	459.50	99.88
		For Auxiliary Frame Reinforcement For Hinges, Add	*38.96*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*31.17*	
		For Type 304 Stainless Steel Frame, Add	*477.52*	
		For Type 316 Stainless Steel Frame, Add	*555.44*	
		For Baked Enamel Finish, Add	*107.89*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-25.97*	
		For 14 Gauge Frame, Add	*64.94*	
		For 12 Gauge Frame, Add	*98.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0118	EA	6' x >7'-2" Through 9' x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	467.67	101.83
		For Auxiliary Frame Reinforcement For Hinges, Add	*39.60*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*31.68*	
		For Type 304 Stainless Steel Frame, Add	*485.38*	
		For Type 316 Stainless Steel Frame, Add	*564.58*	
		For Baked Enamel Finish, Add	*109.75*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-26.40*	
		For 14 Gauge Frame, Add	*66.00*	
		For 12 Gauge Frame, Add	*100.32*	
08 12 13 13-0119	EA	7' x >7'-2" Through 9' x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	488.62	103.80
		For Auxiliary Frame Reinforcement For Hinges, Add	*42.15*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*33.72*	
		For Type 304 Stainless Steel Frame, Add	*516.23*	
		For Type 316 Stainless Steel Frame, Add	*600.54*	
		For Baked Enamel Finish, Add	*115.45*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-28.10*	
		For 14 Gauge Frame, Add	*70.26*	
		For 12 Gauge Frame, Add	*106.79*	
08 12 13 13-0120	EA	8' x >7'-2" Through 9' x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	509.57	105.75
		For Auxiliary Frame Reinforcement For Hinges, Add	*44.71*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*35.77*	
		For Type 304 Stainless Steel Frame, Add	*547.08*	
		For Type 316 Stainless Steel Frame, Add	*636.50*	
		For Baked Enamel Finish, Add	*121.14*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-29.81*	
		For 14 Gauge Frame, Add	*74.52*	
		For 12 Gauge Frame, Add	*113.26*	

08 12 13 13-0121 Metal Frames 8-7/8" Through 13" Depth x 16 Gauge, Knock-Down *(08 12 13 13)*

08 12 13 13-0122 6'-8" Through 7'-2" High *(08 12 13 13-0121)*

08 12 13 13-0123	EA	2' x 6'-8" Through 7'-2" x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge	285.94	58.75
		For Auxiliary Frame Reinforcement For Hinges, Add	*25.27*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*20.21*	
		For Type 304 Stainless Steel Frame, Add	*309.07*	
		For Type 316 Stainless Steel Frame, Add	*359.60*	
		For Baked Enamel Finish, Add	*68.16*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-16.84*	
		For 14 Gauge Frame, Add	*42.11*	
		For 12 Gauge Frame, Add	*64.01*	
08 12 13 13-0124	EA	2'-4" x 6'-8" Through 7'-2" x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge	329.77	64.63
		For Auxiliary Frame Reinforcement For Hinges, Add	*30.08*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*24.06*	
		For Type 304 Stainless Steel Frame, Add	*367.40*	
		For Type 316 Stainless Steel Frame, Add	*427.55*	
		For Baked Enamel Finish, Add	*79.54*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-20.05*	
		For 14 Gauge Frame, Add	*50.13*	
		For 12 Gauge Frame, Add	*76.20*	
08 12 13 13-0125	EA	2'-6" x 6'-8" Through 7'-2" x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge	340.81	68.55
		For Auxiliary Frame Reinforcement For Hinges, Add	*30.56*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*24.45*	
		For Type 304 Stainless Steel Frame, Add	*373.57*	
		For Type 316 Stainless Steel Frame, Add	*434.69*	
		For Baked Enamel Finish, Add	*81.68*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-20.37*	
		For 14 Gauge Frame, Add	*50.93*	
		For 12 Gauge Frame, Add	*77.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0126	EA	2'-8" x 6'-8" Through 7'-2" x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge	352.56	74.42
		For Auxiliary Frame Reinforcement For Hinges, Add	*30.56*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*24.45*	
		For Type 304 Stainless Steel Frame, Add	*374.16*	
		For Type 316 Stainless Steel Frame, Add	*435.27*	
		For Baked Enamel Finish, Add	*83.44*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-20.37*	
		For 14 Gauge Frame, Add	*50.93*	
		For 12 Gauge Frame, Add	*77.42*	
08 12 13 13-0127	EA	2'-10" x 6'-8" Through 7'-2" x 8-7/8" Through 13" Deep Metal Door Frame 16 Gauge	359.69	76.38
		For Auxiliary Frame Reinforcement For Hinges, Add	*31.04*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*24.83*	
		For Type 304 Stainless Steel Frame, Add	*380.13*	
		For Type 316 Stainless Steel Frame, Add	*442.21*	
		For Baked Enamel Finish, Add	*84.99*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-20.69*	
		For 14 Gauge Frame, Add	*51.74*	
		For 12 Gauge Frame, Add	*78.64*	
08 12 13 13-0128	EA	3' x 6'-8" Through 7'-2" x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge	366.81	78.33
		For Auxiliary Frame Reinforcement For Hinges, Add	*31.52*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*25.22*	
		For Type 304 Stainless Steel Frame, Add	*386.10*	
		For Type 316 Stainless Steel Frame, Add	*449.15*	
		For Baked Enamel Finish, Add	*86.54*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-21.02*	
		For 14 Gauge Frame, Add	*52.54*	
		For 12 Gauge Frame, Add	*79.86*	
08 12 13 13-0129	EA	3'-4" x 6'-8" Through 7'-2" x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge	389.09	82.25
		For Auxiliary Frame Reinforcement For Hinges, Add	*33.69*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*26.95*	
		For Type 304 Stainless Steel Frame, Add	*412.49*	
		For Type 316 Stainless Steel Frame, Add	*479.86*	
		For Baked Enamel Finish, Add	*92.05*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-22.46*	
		For 14 Gauge Frame, Add	*56.15*	
		For 12 Gauge Frame, Add	*85.34*	
08 12 13 13-0130	EA	3'-6" x 6'-8" Through 7'-2" x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge	396.92	86.17
		For Auxiliary Frame Reinforcement For Hinges, Add	*33.69*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*26.95*	
		For Type 304 Stainless Steel Frame, Add	*412.88*	
		For Type 316 Stainless Steel Frame, Add	*480.26*	
		For Baked Enamel Finish, Add	*93.23*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-22.46*	
		For 14 Gauge Frame, Add	*56.15*	
		For 12 Gauge Frame, Add	*85.34*	
08 12 13 13-0131	EA	4' x 6'-8" Through 7'-2" x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge	412.77	90.08
		For Auxiliary Frame Reinforcement For Hinges, Add	*34.89*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*27.91*	
		For Type 304 Stainless Steel Frame, Add	*427.71*	
		For Type 316 Stainless Steel Frame, Add	*497.49*	
		For Baked Enamel Finish, Add	*96.81*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-23.26*	
		For 14 Gauge Frame, Add	*58.15*	
		For 12 Gauge Frame, Add	*88.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0132	EA	5' x 6'-8" Through 7'-2" x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge	428.63	94.00
		For Auxiliary Frame Reinforcement For Hinges, Add	*36.09*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*28.88*	
		For Type 304 Stainless Steel Frame, Add	*442.53*	
		For Type 316 Stainless Steel Frame, Add	*514.72*	
		For Baked Enamel Finish, Add	*100.39*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-24.06*	
		For 14 Gauge Frame, Add	*60.16*	
		For 12 Gauge Frame, Add	*91.44*	
08 12 13 13-0133	EA	5'-4" x 6'-8" Through 7'-2" x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge	436.46	97.92
		For Auxiliary Frame Reinforcement For Hinges, Add	*36.09*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*28.88*	
		For Type 304 Stainless Steel Frame, Add	*442.93*	
		For Type 316 Stainless Steel Frame, Add	*515.11*	
		For Baked Enamel Finish, Add	*101.56*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-24.06*	
		For 14 Gauge Frame, Add	*60.16*	
		For 12 Gauge Frame, Add	*91.44*	
08 12 13 13-0134	EA	5'-8" x 6'-8" Through 7'-2" x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge	444.40	99.88
		For Auxiliary Frame Reinforcement For Hinges, Add	*36.70*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*29.36*	
		For Type 304 Stainless Steel Frame, Add	*450.34*	
		For Type 316 Stainless Steel Frame, Add	*523.73*	
		For Baked Enamel Finish, Add	*103.36*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-24.46*	
		For 14 Gauge Frame, Add	*61.16*	
		For 12 Gauge Frame, Add	*92.96*	
08 12 13 13-0135	EA	6' x 6'-8" Through 7'-2" x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge	452.32	101.83
		For Auxiliary Frame Reinforcement For Hinges, Add	*37.30*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*29.84*	
		For Type 304 Stainless Steel Frame, Add	*457.75*	
		For Type 316 Stainless Steel Frame, Add	*532.35*	
		For Baked Enamel Finish, Add	*105.15*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-24.87*	
		For 14 Gauge Frame, Add	*62.16*	
		For 12 Gauge Frame, Add	*94.49*	
08 12 13 13-0136	EA	7' x 6'-8" Through 7'-2" x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge	472.28	103.80
		For Auxiliary Frame Reinforcement For Hinges, Add	*39.70*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*31.76*	
		For Type 304 Stainless Steel Frame, Add	*486.82*	
		For Type 316 Stainless Steel Frame, Add	*566.23*	
		For Baked Enamel Finish, Add	*110.55*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-26.47*	
		For 14 Gauge Frame, Add	*66.17*	
		For 12 Gauge Frame, Add	*100.58*	
08 12 13 13-0137	EA	8' x 6'-8" Through 7'-2" x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge	492.24	105.75
		For Auxiliary Frame Reinforcement For Hinges, Add	*42.11*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*33.69*	
		For Type 304 Stainless Steel Frame, Add	*515.89*	
		For Type 316 Stainless Steel Frame, Add	*600.11*	
		For Baked Enamel Finish, Add	*115.95*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-28.07*	
		For 14 Gauge Frame, Add	*70.18*	
		For 12 Gauge Frame, Add	*106.68*	

08 12 13 13-0138 >7'-2" Through 9'-0" High *(08 12 13 13-0121)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0139	EA	2' x >7'-2" Through 9' x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge	304.65	58.75
		For Auxiliary Frame Reinforcement For Hinges, Add	*28.07*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*22.46*	
		For Type 304 Stainless Steel Frame, Add	*342.75*	
		For Type 316 Stainless Steel Frame, Add	*398.89*	
		For Baked Enamel Finish, Add	*73.77*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-18.72*	
		For 14 Gauge Frame, Add	*46.79*	
		For 12 Gauge Frame, Add	*71.12*	
08 12 13 13-0140	EA	2'-4" x >7'-2" Through 9' x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge	352.05	64.63
		For Auxiliary Frame Reinforcement For Hinges, Add	*33.42*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*26.74*	
		For Type 304 Stainless Steel Frame, Add	*407.50*	
		For Type 316 Stainless Steel Frame, Add	*474.34*	
		For Baked Enamel Finish, Add	*86.23*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-22.28*	
		For 14 Gauge Frame, Add	*55.70*	
		For 12 Gauge Frame, Add	*84.66*	
08 12 13 13-0141	EA	2'-6" x >7'-2" Through 9' x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge	363.45	68.55
		For Auxiliary Frame Reinforcement For Hinges, Add	*33.96*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*27.16*	
		For Type 304 Stainless Steel Frame, Add	*414.32*	
		For Type 316 Stainless Steel Frame, Add	*482.23*	
		For Baked Enamel Finish, Add	*88.47*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-22.64*	
		For 14 Gauge Frame, Add	*56.59*	
		For 12 Gauge Frame, Add	*86.02*	
08 12 13 13-0142	EA	2'-8" x >7'-2" Through 9' x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge	375.20	74.42
		For Auxiliary Frame Reinforcement For Hinges, Add	*33.96*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*27.16*	
		For Type 304 Stainless Steel Frame, Add	*414.91*	
		For Type 316 Stainless Steel Frame, Add	*482.82*	
		For Baked Enamel Finish, Add	*90.24*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-22.64*	
		For 14 Gauge Frame, Add	*56.59*	
		For 12 Gauge Frame, Add	*86.02*	
08 12 13 13-0143	EA	2'-10" x >7'-2" Through 9' x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge	382.68	76.38
		For Auxiliary Frame Reinforcement For Hinges, Add	*34.49*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*27.59*	
		For Type 304 Stainless Steel Frame, Add	*421.51*	
		For Type 316 Stainless Steel Frame, Add	*490.49*	
		For Baked Enamel Finish, Add	*91.89*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-22.99*	
		For 14 Gauge Frame, Add	*57.48*	
		For 12 Gauge Frame, Add	*87.37*	
08 12 13 13-0144	EA	3' x >7'-2" Through 9' x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge	390.16	78.33
		For Auxiliary Frame Reinforcement For Hinges, Add	*35.03*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*28.02*	
		For Type 304 Stainless Steel Frame, Add	*428.13*	
		For Type 316 Stainless Steel Frame, Add	*498.18*	
		For Baked Enamel Finish, Add	*93.55*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-23.35*	
		For 14 Gauge Frame, Add	*58.38*	
		For 12 Gauge Frame, Add	*88.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0145	EA	3'-4" x >7'-2" Through 9' x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge	414.04	82.25
		For Auxiliary Frame Reinforcement For Hinges, Add	*37.43*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*29.94*	
		For Type 304 Stainless Steel Frame, Add	*457.40*	
		For Type 316 Stainless Steel Frame, Add	*532.26*	
		For Baked Enamel Finish, Add	*99.54*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-24.95*	
		For 14 Gauge Frame, Add	*62.39*	
		For 12 Gauge Frame, Add	*94.83*	
08 12 13 13-0146	EA	3'-6" x >7'-2" Through 9' x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge	421.87	86.17
		For Auxiliary Frame Reinforcement For Hinges, Add	*37.43*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*29.94*	
		For Type 304 Stainless Steel Frame, Add	*457.79*	
		For Type 316 Stainless Steel Frame, Add	*532.65*	
		For Baked Enamel Finish, Add	*100.71*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-24.95*	
		For 14 Gauge Frame, Add	*62.39*	
		For 12 Gauge Frame, Add	*94.83*	
08 12 13 13-0147	EA	4' x >7'-2" Through 9' x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge	438.61	90.08
		For Auxiliary Frame Reinforcement For Hinges, Add	*38.77*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*31.01*	
		For Type 304 Stainless Steel Frame, Add	*474.22*	
		For Type 316 Stainless Steel Frame, Add	*551.75*	
		For Baked Enamel Finish, Add	*104.56*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-25.85*	
		For 14 Gauge Frame, Add	*64.61*	
		For 12 Gauge Frame, Add	*98.21*	
08 12 13 13-0148	EA	5' x >7'-2" Through 9' x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge	455.36	94.00
		For Auxiliary Frame Reinforcement For Hinges, Add	*40.10*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*32.08*	
		For Type 304 Stainless Steel Frame, Add	*490.65*	
		For Type 316 Stainless Steel Frame, Add	*570.86*	
		For Baked Enamel Finish, Add	*108.41*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-26.74*	
		For 14 Gauge Frame, Add	*66.84*	
		For 12 Gauge Frame, Add	*101.60*	
08 12 13 13-0149	EA	5'-4" x >7'-2" Through 9' x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge	463.19	97.92
		For Auxiliary Frame Reinforcement For Hinges, Add	*40.10*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*32.08*	
		For Type 304 Stainless Steel Frame, Add	*491.04*	
		For Type 316 Stainless Steel Frame, Add	*571.25*	
		For Baked Enamel Finish, Add	*109.58*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-26.74*	
		For 14 Gauge Frame, Add	*66.84*	
		For 12 Gauge Frame, Add	*101.60*	
08 12 13 13-0150	EA	5'-8" x >7'-2" Through 9' x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge	471.58	99.88
		For Auxiliary Frame Reinforcement For Hinges, Add	*40.77*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*32.62*	
		For Type 304 Stainless Steel Frame, Add	*499.26*	
		For Type 316 Stainless Steel Frame, Add	*580.81*	
		For Baked Enamel Finish, Add	*111.51*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-27.18*	
		For 14 Gauge Frame, Add	*67.96*	
		For 12 Gauge Frame, Add	*103.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0151	EA	6' x >7'-2" Through 9' x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge	479.95	101.83
		For Auxiliary Frame Reinforcement For Hinges, Add	*41.44*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*33.15*	
		For Type 304 Stainless Steel Frame, Add	*507.49*	
		For Type 316 Stainless Steel Frame, Add	*590.37*	
		For Baked Enamel Finish, Add	*113.43*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-27.63*	
		For 14 Gauge Frame, Add	*69.07*	
		For 12 Gauge Frame, Add	*104.99*	
08 12 13 13-0152	EA	7' x >7'-2" Through 9' x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge	501.69	103.80
		For Auxiliary Frame Reinforcement For Hinges, Add	*44.12*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*35.29*	
		For Type 304 Stainless Steel Frame, Add	*539.76*	
		For Type 316 Stainless Steel Frame, Add	*627.99*	
		For Baked Enamel Finish, Add	*119.37*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-29.41*	
		For 14 Gauge Frame, Add	*73.53*	
		For 12 Gauge Frame, Add	*111.76*	
08 12 13 13-0153	EA	8' x >7'-2" Through 9' x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge	523.43	105.75
		For Auxiliary Frame Reinforcement For Hinges, Add	*46.79*	
		For Welded Frames, Add	*45.00*	
		For Galvanized Frames, Add	*37.43*	
		For Type 304 Stainless Steel Frame, Add	*572.03*	
		For Type 316 Stainless Steel Frame, Add	*665.61*	
		For Baked Enamel Finish, Add	*125.30*	
		For 3/4 Hour Rating, Add	*30.70*	
		For 1-1/2 Hour Rating, Add	*35.08*	
		For 3 Hour Rating, Add	*43.86*	
		For 18 Gauge Frame, Deduct	*-31.19*	
		For 14 Gauge Frame, Add	*77.98*	
		For 12 Gauge Frame, Add	*118.53*	

08 12 13 13-0154 Sidelights And Transoms *(08 12 13 13)*

08 12 13 13-0155 Steel Transoms, Fixed *(08 12 13 13-0154)*

Note: Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.

08 12 13 13-0156	SF	4-3/4" Deep Steel Transom, 16 Gauge Frame	37.08	10.96
		For Movable Frame, Add	*7.42*	
		For 18 Gauge Frame, Deduct	*-1.52*	
		For 14 Gauge Frame, Add	*3.79*	
		For 12 Gauge Frame, Add	*5.76*	
08 12 13 13-0157	SF	5-3/4" Deep Steel Transom, 16 Gauge Frame	38.60	11.36
		For Movable Frame, Add	*7.72*	
		For 18 Gauge Frame, Deduct	*-1.59*	
		For 14 Gauge Frame, Add	*3.97*	
		For 12 Gauge Frame, Add	*6.04*	
08 12 13 13-0158	SF	6-3/4" Deep Steel Transom, 16 Gauge Frame	40.19	11.75
		For Movable Frame, Add	*8.04*	
		For 18 Gauge Frame, Deduct	*-1.67*	
		For 14 Gauge Frame, Add	*4.17*	
		For 12 Gauge Frame, Add	*6.34*	

08 12 13 13-0159 Steel Transom Sash, Operable *(08 12 13 13-0154)*

Note: Includes hardware.

08 12 13 13-0160	SF	4-3/4" Deep Steel Transom Sash, 16 Gauge Frame	47.31	10.96
		For 18 Gauge Frame, Deduct	*-2.54*	
		For 14 Gauge Frame, Add	*6.35*	
		For 12 Gauge Frame, Add	*9.64*	
08 12 13 13-0161	SF	5-3/4" Deep Steel Transom Sash, 16 Gauge Frame	49.36	11.36
		For 18 Gauge Frame, Deduct	*-2.67*	
		For 14 Gauge Frame, Add	*6.66*	
		For 12 Gauge Frame, Add	*10.13*	
08 12 13 13-0162	SF	6-3/4" Deep Steel Transom Sash, 16 Gauge Frame	51.48	11.75
		For 18 Gauge Frame, Deduct	*-2.80*	
		For 14 Gauge Frame, Add	*7.00*	
		For 12 Gauge Frame, Add	*10.63*	

08 12 13 13-0163 Sidelights, Steel Frame *(08 12 13 13-0154)*

Note: Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.

08 12 13 13-0164	SF	4-3/4" Deep Sidelights, 16 Gauge Frame	38.21	10.96
		For 18 Gauge Frame, Deduct	*-1.63*	
		For 14 Gauge Frame, Add	*4.07*	
		For 12 Gauge Frame, Add	*6.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0165	SF	5-3/4" Deep Sidelights, 16 Gauge Frame	39.80	11.36
		For 18 Gauge Frame, Deduct	*-1.71*	
		For 14 Gauge Frame, Add	*4.27*	
		For 12 Gauge Frame, Add	*6.49*	
08 12 13 13-0166	SF	6-3/4" Deep Sidelights, 16 Gauge Frame	41.44	11.75
		For 18 Gauge Frame, Deduct	*-1.79*	
		For 14 Gauge Frame, Add	*4.49*	
		For 12 Gauge Frame, Add	*6.82*	

08 12 13 13-0167 Sundry Hollow Metal Frame Sections *(08 12 13 13)*

08 12 13 13-0168 Verticals, Mullions *(08 12 13 13-0167)*

08 12 13 13-0169	LF	4-3/4" x 1-3/4" Mullions, Vertical 16 Gauge Hollow Metal Frame Section	21.86	4.39
		For 18 Gauge Frame, Deduct	*-1.08*	
		For 14 Gauge Frame, Add	*2.71*	
		For 12 Gauge Frame, Add	*4.11*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0170	LF	4-3/4" x 2" Mullions, Vertical 16 Gauge Hollow Metal Frame Section	22.29	4.39
		For 18 Gauge Frame, Deduct	*-1.13*	
		For 14 Gauge Frame, Add	*2.81*	
		For 12 Gauge Frame, Add	*4.28*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0171	LF	5-1/4" x 1-3/4" Mullions, Vertical 16 Gauge Hollow Metal Frame Section	22.18	4.54
		For 18 Gauge Frame, Deduct	*-1.08*	
		For 14 Gauge Frame, Add	*2.71*	
		For 12 Gauge Frame, Add	*4.11*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0172	LF	5-1/4" x 2" Mullions, Vertical 16 Gauge Hollow Metal Frame Section	22.85	4.54
		For 18 Gauge Frame, Deduct	*-1.15*	
		For 14 Gauge Frame, Add	*2.87*	
		For 12 Gauge Frame, Add	*4.37*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0173	LF	6-3/4" x 1-3/4" Mullions, Vertical 16 Gauge Hollow Metal Frame Section	22.97	4.62
		For 18 Gauge Frame, Deduct	*-1.14*	
		For 14 Gauge Frame, Add	*2.84*	
		For 12 Gauge Frame, Add	*4.32*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0174	LF	6-3/4" x 2" Mullions, Vertical 16 Gauge Hollow Metal Frame Section	23.23	4.62
		For 18 Gauge Frame, Deduct	*-1.16*	
		For 14 Gauge Frame, Add	*2.91*	
		For 12 Gauge Frame, Add	*4.42*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	

08 12 13 13-0175 Horizontals, Rails *(08 12 13 13-0167)*

08 12 13 13-0176	LF	4-3/4" x 1-3/4" Rails, Horizontal 16 Gauge Hollow Metal Frame Section	16.45	4.39
		For 18 Gauge Frame, Deduct	*-0.54*	
		For 14 Gauge Frame, Add	*1.35*	
		For 12 Gauge Frame, Add	*2.06*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0177	LF	4-3/4" x 2" Rails, Horizontal 16 Gauge Hollow Metal Frame Section	17.00	4.39
		For 18 Gauge Frame, Deduct	*-0.60*	
		For 14 Gauge Frame, Add	*1.49*	
		For 12 Gauge Frame, Add	*2.26*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0178	LF	5-1/4" x 1-3/4" Rails, Horizontal 16 Gauge Hollow Metal Frame Section	16.77	4.54
		For 18 Gauge Frame, Deduct	*-0.54*	
		For 14 Gauge Frame, Add	*1.35*	
		For 12 Gauge Frame, Add	*2.06*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0179	LF	5-1/4" x 2" Rails, Horizontal 16 Gauge Hollow Metal Frame Section	17.32	4.54
		For 18 Gauge Frame, Deduct	*-0.60*	
		For 14 Gauge Frame, Add	*1.49*	
		For 12 Gauge Frame, Add	*2.26*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0180	LF	6-3/4" x 1-3/4" Rails, Horizontal 16 Gauge Hollow Metal Frame Section	17.29	4.62
		For 18 Gauge Frame, Deduct	*-0.57*	
		For 14 Gauge Frame, Add	*1.42*	
		For 12 Gauge Frame, Add	*2.16*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0181	LF	6-3/4" x 2" Rails, Horizontal 16 Gauge Hollow Metal Frame Section	17.77	4.62
		For 18 Gauge Frame, Deduct	*-0.62*	
		For 14 Gauge Frame, Add	*1.54*	
		For 12 Gauge Frame, Add	*2.34*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0182		Metal Frames Accessories *(08 12 13 13)*		
08 12 13 13-0183	EA	For 1 Foot Extension Of New Door Frame	19.41	

08 12 16 Aluminum Frames *(08 12)*

08 12 16 00-0001 Aluminum 1/8" Two Pieces *(08 12 16)*

08 12 16 00-0002 4-1/8" x 3/8" *(08 12 16 00-0001)*

08 12 16 00-0003	EA	2 Piece Aluminum Door Frame, 2'-2" x 6'-9" Opening 4-1/8" x 3/8" x 1/8" With Semicircular Head	896.85	43.08
08 12 16 00-0004	EA	2 Piece Aluminum Door Frame, 2'-6" x 6'-9" Opening 4-1/8" x 3/8" x 1/8" With Semicircular Head	896.85	43.08

08 12 16 00-0005 4-3/4" x 1-3/8" *(08 12 16 00-0001)*

08 12 16 00-0006	EA	2 Piece Aluminum Door Frame, 2'-2" x 6'-9" Opening 4-3/4" x 1-3/8" x 1/8" With Semicircular Head	896.85	43.08
08 12 16 00-0007	EA	2 Piece Aluminum Door Frame, 2'-6" x 6'-9" Opening 4-3/4" x 1-3/8" x 1/8" With Semicircular Head	896.85	43.08

08 13 Metal Doors *(08 10)*

Note: Includes machining for all hardware. Excludes finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

08 13 13 Hollow Metal Doors *(08 13)*

08 13 13 13 Standard Hollow Metal Doors *(08 13 13)*

Note: Full flush, impregnated honeycomb core, epoxy baked-on primer.

08 13 13 13-0001 20 Gauge 1-3/4" Unrated Door *(08 13 13 13)*

08 13 13 13-0002 6'-8" High *(08 13 13 13-0001)*

08 13 13 13-0003	EA	2' x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated)	335.54	43.08
		For Composite Door Instead Of Full Panel Door, Add	*11.22*	
		For Type 304 Stainless Steel Door, Add	*203.80*	
		For Type 316 Stainless Steel Door, Add	*328.49*	
		For Embossed Panel, Add	*59.85*	
		For Galvanized Steel, Add	*37.41*	
		For Baked Enamel Finish, Add	*126.51*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-18.93*	
		For >100, Deduct	*-27.32*	
		For Insulated Door (Polystyrene Core), Add	*24.94*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*62.34*	
		For Seamless Edge (Welded), Add	*31.17*	
08 13 13 13-0004	EA	2'-4" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated)	335.54	43.08
		For Composite Door Instead Of Full Panel Door, Add	*11.22*	
		For Type 304 Stainless Steel Door, Add	*203.80*	
		For Type 316 Stainless Steel Door, Add	*328.49*	
		For Embossed Panel, Add	*59.85*	
		For Galvanized Steel, Add	*37.41*	
		For Baked Enamel Finish, Add	*126.51*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-18.93*	
		For >100, Deduct	*-27.32*	
		For Insulated Door (Polystyrene Core), Add	*24.94*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*62.34*	
		For Seamless Edge (Welded), Add	*31.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0005	EA	2'-6" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated)	344.55	45.05
		For Composite Door Instead Of Full Panel Door, Add	*11.45*	
		For Type 304 Stainless Steel Door, Add	*208.08*	
		For Type 316 Stainless Steel Door, Add	*335.32*	
		For Embossed Panel, Add	*61.07*	
		For Galvanized Steel, Add	*38.17*	
		For Baked Enamel Finish, Add	*130.39*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-19.48*	
		For >100, Deduct	*-28.09*	
		For Insulated Door (Polystyrene Core), Add	*25.45*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*63.62*	
		For Seamless Edge (Welded), Add	*31.81*	
08 13 13 13-0006	EA	2'-8" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated)	348.34	45.05
		For Composite Door Instead Of Full Panel Door, Add	*11.62*	
		For Type 304 Stainless Steel Door, Add	*211.11*	
		For Type 316 Stainless Steel Door, Add	*340.24*	
		For Embossed Panel, Add	*61.98*	
		For Galvanized Steel, Add	*38.74*	
		For Baked Enamel Finish, Add	*131.53*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-19.67*	
		For >100, Deduct	*-28.38*	
		For Insulated Door (Polystyrene Core), Add	*25.83*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*64.57*	
		For Seamless Edge (Welded), Add	*32.28*	
08 13 13 13-0007	EA	3' x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated)	355.30	47.00
		For Composite Door Instead Of Full Panel Door, Add	*11.76*	
		For Type 304 Stainless Steel Door, Add	*213.74*	
		For Type 316 Stainless Steel Door, Add	*344.39*	
		For Embossed Panel, Add	*62.71*	
		For Galvanized Steel, Add	*39.20*	
		For Baked Enamel Finish, Add	*134.79*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-20.12*	
		For >100, Deduct	*-29.00*	
		For Insulated Door (Polystyrene Core), Add	*26.13*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*65.33*	
		For Seamless Edge (Welded), Add	*32.66*	
08 13 13 13-0008	EA	3'-4" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated)	375.05	47.00
		For Composite Door Instead Of Full Panel Door, Add	*12.65*	
		For Type 304 Stainless Steel Door, Add	*229.54*	
		For Type 316 Stainless Steel Door, Add	*370.07*	
		For Embossed Panel, Add	*67.45*	
		For Galvanized Steel, Add	*42.16*	
		For Baked Enamel Finish, Add	*140.72*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-21.10*	
		For >100, Deduct	*-30.48*	
		For Insulated Door (Polystyrene Core), Add	*28.11*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*70.26*	
		For Seamless Edge (Welded), Add	*35.13*	
08 13 13 13-0009	EA	3'-6" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated)	386.57	48.96
		For Composite Door Instead Of Full Panel Door, Add	*12.99*	
		For Type 304 Stainless Steel Door, Add	*235.82*	
		For Type 316 Stainless Steel Door, Add	*380.14*	
		For Embossed Panel, Add	*69.28*	
		For Galvanized Steel, Add	*43.30*	
		For Baked Enamel Finish, Add	*145.35*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-21.78*	
		For >100, Deduct	*-31.44*	
		For Insulated Door (Polystyrene Core), Add	*28.87*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*72.16*	
		For Seamless Edge (Welded), Add	*36.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0010	EA	4' x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated)	424.78	52.88
		For Composite Door Instead Of Full Panel Door, Add	*14.36*	
		For Type 304 Stainless Steel Door, Add	*260.51*	
		For Type 316 Stainless Steel Door, Add	*420.03*	
		For Embossed Panel, Add	*76.57*	
		For Galvanized Steel, Add	*47.85*	
		For Baked Enamel Finish, Add	*159.16*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-23.88*	
		For >100, Deduct	*-34.50*	
		For Insulated Door (Polystyrene Core), Add	*31.90*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*79.76*	
		For Seamless Edge (Welded), Add	*39.88*	
08 13 13 13-0011	PR	Pair 2'-6" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated)	680.09	85.58
		For Composite Door Instead Of Full Panel Door, Add	*22.90*	
		For Type 304 Stainless Steel Door, Add	*415.70*	
		For Type 316 Stainless Steel Door, Add	*670.17*	
		For Embossed Panel, Add	*122.14*	
		For Galvanized Steel, Add	*76.34*	
		For Baked Enamel Finish, Add	*255.38*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-38.28*	
		For >100, Deduct	*-55.29*	
		For Insulated Door (Polystyrene Core), Add	*50.89*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*127.23*	
		For Seamless Edge (Welded), Add	*63.62*	
08 13 13 13-0012	PR	Pair 2'-8" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated)	687.69	85.58
		For Composite Door Instead Of Full Panel Door, Add	*23.24*	
		For Type 304 Stainless Steel Door, Add	*421.78*	
		For Type 316 Stainless Steel Door, Add	*680.05*	
		For Embossed Panel, Add	*123.97*	
		For Galvanized Steel, Add	*77.48*	
		For Baked Enamel Finish, Add	*257.66*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-38.66*	
		For >100, Deduct	*-55.86*	
		For Insulated Door (Polystyrene Core), Add	*51.65*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*129.13*	
		For Seamless Edge (Welded), Add	*64.57*	
08 13 13 13-0013	PR	Pair 3' x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated)	701.20	89.30
		For Composite Door Instead Of Full Panel Door, Add	*23.52*	
		For Type 304 Stainless Steel Door, Add	*427.01*	
		For Type 316 Stainless Steel Door, Add	*688.31*	
		For Embossed Panel, Add	*125.42*	
		For Galvanized Steel, Add	*78.39*	
		For Baked Enamel Finish, Add	*263.94*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-39.53*	
		For >100, Deduct	*-57.06*	
		For Insulated Door (Polystyrene Core), Add	*52.26*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*130.65*	
		For Seamless Edge (Welded), Add	*65.33*	
08 13 13 13-0014	PR	Pair 3'-6" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated)	763.34	93.02
		For Composite Door Instead Of Full Panel Door, Add	*25.98*	
		For Type 304 Stainless Steel Door, Add	*471.14*	
		For Type 316 Stainless Steel Door, Add	*759.79*	
		For Embossed Panel, Add	*138.55*	
		For Galvanized Steel, Add	*86.60*	
		For Baked Enamel Finish, Add	*284.81*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-42.82*	
		For >100, Deduct	*-61.90*	
		For Insulated Door (Polystyrene Core), Add	*57.73*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*144.33*	
		For Seamless Edge (Welded), Add	*72.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0015	PR	Pair 4' x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated)	838.99	100.46
		For Composite Door Instead Of Full Panel Door, Add	*28.71*	
		For Type 304 Stainless Steel Door, Add	*520.49*	
		For Type 316 Stainless Steel Door, Add	*839.52*	
		For Embossed Panel, Add	*153.13*	
		For Galvanized Steel, Add	*95.71*	
		For Baked Enamel Finish, Add	*311.98*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-46.97*	
		For >100, Deduct	*-67.95*	
		For Insulated Door (Polystyrene Core), Add	*63.81*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*159.52*	
		For Seamless Edge (Welded), Add	*79.76*	

08 13 13 13-0016 7' High *(08 13 13 13-0001)*

08 13 13 13-0017	EA	2' x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	342.07	43.08
		For Composite Door Instead Of Full Panel Door, Add	*11.52*	
		For Type 304 Stainless Steel Door, Add	*209.03*	
		For Type 316 Stainless Steel Door, Add	*336.98*	
		For Embossed Panel, Add	*61.42*	
		For Galvanized Steel, Add	*38.39*	
		For Baked Enamel Finish, Add	*128.47*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-19.26*	
		For >100, Deduct	*-27.81*	
		For Insulated Door (Polystyrene Core), Add	*25.59*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*63.98*	
		For Seamless Edge (Welded), Add	*31.99*	
08 13 13 13-0018	EA	2'-4" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	342.07	43.08
		For Composite Door Instead Of Full Panel Door, Add	*11.52*	
		For Type 304 Stainless Steel Door, Add	*209.03*	
		For Type 316 Stainless Steel Door, Add	*336.98*	
		For Embossed Panel, Add	*61.42*	
		For Galvanized Steel, Add	*38.39*	
		For Baked Enamel Finish, Add	*128.47*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-19.26*	
		For >100, Deduct	*-27.81*	
		For Insulated Door (Polystyrene Core), Add	*25.59*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*63.98*	
		For Seamless Edge (Welded), Add	*31.99*	
08 13 13 13-0019	EA	2'-6" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	351.21	45.05
		For Composite Door Instead Of Full Panel Door, Add	*11.75*	
		For Type 304 Stainless Steel Door, Add	*213.41*	
		For Type 316 Stainless Steel Door, Add	*343.97*	
		For Embossed Panel, Add	*62.67*	
		For Galvanized Steel, Add	*39.17*	
		For Baked Enamel Finish, Add	*132.39*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-19.81*	
		For >100, Deduct	*-28.59*	
		For Insulated Door (Polystyrene Core), Add	*26.11*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*65.28*	
		For Seamless Edge (Welded), Add	*32.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0020	EA	2'-8" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	355.11	45.05
		For Composite Door Instead Of Full Panel Door, Add	*11.93*	
		For Type 304 Stainless Steel Door, Add	*216.53*	
		For Type 316 Stainless Steel Door, Add	*349.04*	
		For Embossed Panel, Add	*63.61*	
		For Galvanized Steel, Add	*39.75*	
		For Baked Enamel Finish, Add	*133.56*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-20.01*	
		For >100, Deduct	*-28.89*	
		For Insulated Door (Polystyrene Core), Add	*26.50*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*66.26*	
		For Seamless Edge (Welded), Add	*33.13*	
08 13 13 13-0021	EA	3' x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	362.15	47.00
		For Composite Door Instead Of Full Panel Door, Add	*12.07*	
		For Type 304 Stainless Steel Door, Add	*219.22*	
		For Type 316 Stainless Steel Door, Add	*353.30*	
		For Embossed Panel, Add	*64.36*	
		For Galvanized Steel, Add	*40.22*	
		For Baked Enamel Finish, Add	*136.85*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-20.46*	
		For >100, Deduct	*-29.51*	
		For Insulated Door (Polystyrene Core), Add	*26.82*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*67.04*	
		For Seamless Edge (Welded), Add	*33.52*	
08 13 13 13-0022	EA	3'-4" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	382.42	47.00
		For Composite Door Instead Of Full Panel Door, Add	*12.98*	
		For Type 304 Stainless Steel Door, Add	*235.44*	
		For Type 316 Stainless Steel Door, Add	*379.65*	
		For Embossed Panel, Add	*69.22*	
		For Galvanized Steel, Add	*43.26*	
		For Baked Enamel Finish, Add	*142.93*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-21.47*	
		For >100, Deduct	*-31.03*	
		For Insulated Door (Polystyrene Core), Add	*28.84*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*72.11*	
		For Seamless Edge (Welded), Add	*36.05*	
08 13 13 13-0023	EA	3'-6" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	394.13	48.96
		For Composite Door Instead Of Full Panel Door, Add	*13.33*	
		For Type 304 Stainless Steel Door, Add	*241.86*	
		For Type 316 Stainless Steel Door, Add	*389.97*	
		For Embossed Panel, Add	*71.09*	
		For Galvanized Steel, Add	*44.43*	
		For Baked Enamel Finish, Add	*147.62*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-22.15*	
		For >100, Deduct	*-32.01*	
		For Insulated Door (Polystyrene Core), Add	*29.62*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*74.05*	
		For Seamless Edge (Welded), Add	*37.03*	
08 13 13 13-0024	EA	4' x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	433.14	52.88
		For Composite Door Instead Of Full Panel Door, Add	*14.73*	
		For Type 304 Stainless Steel Door, Add	*267.20*	
		For Type 316 Stainless Steel Door, Add	*430.89*	
		For Embossed Panel, Add	*78.57*	
		For Galvanized Steel, Add	*49.11*	
		For Baked Enamel Finish, Add	*161.67*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-24.30*	
		For >100, Deduct	*-35.13*	
		For Insulated Door (Polystyrene Core), Add	*32.74*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*81.85*	
		For Seamless Edge (Welded), Add	*40.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0025	PR	Pair 2'-6" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	693.43	85.58
		For Composite Door Instead Of Full Panel Door, Add	*23.50*	
		For Type 304 Stainless Steel Door, Add	*426.37*	
		For Type 316 Stainless Steel Door, Add	*687.51*	
		For Embossed Panel, Add	*125.34*	
		For Galvanized Steel, Add	*78.34*	
		For Baked Enamel Finish, Add	*259.38*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-38.95*	
		For >100, Deduct	*-56.29*	
		For Insulated Door (Polystyrene Core), Add	*52.23*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*130.57*	
		For Seamless Edge (Welded), Add	*65.28*	
08 13 13 13-0026	PR	Pair 2'-8" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	701.22	85.58
		For Composite Door Instead Of Full Panel Door, Add	*23.85*	
		For Type 304 Stainless Steel Door, Add	*432.61*	
		For Type 316 Stainless Steel Door, Add	*697.64*	
		For Embossed Panel, Add	*127.21*	
		For Galvanized Steel, Add	*79.51*	
		For Baked Enamel Finish, Add	*261.71*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-39.34*	
		For >100, Deduct	*-56.87*	
		For Insulated Door (Polystyrene Core), Add	*53.01*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*132.52*	
		For Seamless Edge (Welded), Add	*66.26*	
08 13 13 13-0027	PR	Pair 3' x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	714.90	89.30
		For Composite Door Instead Of Full Panel Door, Add	*24.13*	
		For Type 304 Stainless Steel Door, Add	*437.97*	
		For Type 316 Stainless Steel Door, Add	*706.12*	
		For Embossed Panel, Add	*128.71*	
		For Galvanized Steel, Add	*80.45*	
		For Baked Enamel Finish, Add	*268.05*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-40.21*	
		For >100, Deduct	*-58.08*	
		For Insulated Door (Polystyrene Core), Add	*53.63*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*134.08*	
		For Seamless Edge (Welded), Add	*67.04*	
08 13 13 13-0028	PR	Pair 3'-6" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	778.46	93.02
		For Composite Door Instead Of Full Panel Door, Add	*26.66*	
		For Type 304 Stainless Steel Door, Add	*483.24*	
		For Type 316 Stainless Steel Door, Add	*779.45*	
		For Embossed Panel, Add	*142.18*	
		For Galvanized Steel, Add	*88.86*	
		For Baked Enamel Finish, Add	*289.35*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-43.57*	
		For >100, Deduct	*-63.04*	
		For Insulated Door (Polystyrene Core), Add	*59.24*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*148.11*	
		For Seamless Edge (Welded), Add	*74.05*	
08 13 13 13-0029	PR	Pair 4' x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	855.71	100.46
		For Composite Door Instead Of Full Panel Door, Add	*29.47*	
		For Type 304 Stainless Steel Door, Add	*533.87*	
		For Type 316 Stainless Steel Door, Add	*861.26*	
		For Embossed Panel, Add	*157.15*	
		For Galvanized Steel, Add	*98.22*	
		For Baked Enamel Finish, Add	*316.99*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-47.81*	
		For >100, Deduct	*-69.20*	
		For Insulated Door (Polystyrene Core), Add	*65.48*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*163.70*	
		For Seamless Edge (Welded), Add	*81.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0030		7'-2" High *(08 13 13 13-0001)*		
08 13 13 13-0031	EA	2' x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated)	348.42	43.08
		For Composite Door Instead Of Full Panel Door, Add	*11.80*	
		For Type 304 Stainless Steel Door, Add	*214.11*	
		For Type 316 Stainless Steel Door, Add	*345.23*	
		For Embossed Panel, Add	*62.94*	
		For Galvanized Steel, Add	*39.34*	
		For Baked Enamel Finish, Add	*130.38*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-19.58*	
		For >100, Deduct	*-28.29*	
		For Insulated Door (Polystyrene Core), Add	*26.23*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*65.56*	
		For Seamless Edge (Welded), Add	*32.78*	
08 13 13 13-0032	EA	2'-4" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated)	348.42	43.08
		For Composite Door Instead Of Full Panel Door, Add	*11.80*	
		For Type 304 Stainless Steel Door, Add	*214.11*	
		For Type 316 Stainless Steel Door, Add	*345.23*	
		For Embossed Panel, Add	*62.94*	
		For Galvanized Steel, Add	*39.34*	
		For Baked Enamel Finish, Add	*130.38*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-19.58*	
		For >100, Deduct	*-28.29*	
		For Insulated Door (Polystyrene Core), Add	*26.23*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*65.56*	
		For Seamless Edge (Welded), Add	*32.78*	
08 13 13 13-0033	EA	2'-6" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated)	357.69	45.05
		For Composite Door Instead Of Full Panel Door, Add	*12.04*	
		For Type 304 Stainless Steel Door, Add	*218.59*	
		For Type 316 Stainless Steel Door, Add	*352.40*	
		For Embossed Panel, Add	*64.23*	
		For Galvanized Steel, Add	*40.14*	
		For Baked Enamel Finish, Add	*134.33*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-20.14*	
		For >100, Deduct	*-29.08*	
		For Insulated Door (Polystyrene Core), Add	*26.76*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*66.90*	
		For Seamless Edge (Welded), Add	*33.45*	
08 13 13 13-0034	EA	2'-8" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated)	361.68	45.05
		For Composite Door Instead Of Full Panel Door, Add	*12.22*	
		For Type 304 Stainless Steel Door, Add	*221.78*	
		For Type 316 Stainless Steel Door, Add	*357.58*	
		For Embossed Panel, Add	*65.18*	
		For Galvanized Steel, Add	*40.74*	
		For Baked Enamel Finish, Add	*135.53*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-20.34*	
		For >100, Deduct	*-29.38*	
		For Insulated Door (Polystyrene Core), Add	*27.16*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*67.90*	
		For Seamless Edge (Welded), Add	*33.95*	
08 13 13 13-0035	EA	3' x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated)	368.80	47.00
		For Composite Door Instead Of Full Panel Door, Add	*12.37*	
		For Type 304 Stainless Steel Door, Add	*224.54*	
		For Type 316 Stainless Steel Door, Add	*361.94*	
		For Embossed Panel, Add	*65.95*	
		For Galvanized Steel, Add	*41.22*	
		For Baked Enamel Finish, Add	*138.84*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-20.79*	
		For >100, Deduct	*-30.01*	
		For Insulated Door (Polystyrene Core), Add	*27.48*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*68.70*	
		For Seamless Edge (Welded), Add	*34.35*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0036	EA	3'-4" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated)	389.57	47.00
		For Composite Door Instead Of Full Panel Door, Add	*13.30*	
		For Type 304 Stainless Steel Door, Add	*241.16*	
		For Type 316 Stainless Steel Door, Add	*388.94*	
		For Embossed Panel, Add	*70.94*	
		For Galvanized Steel, Add	*44.34*	
		For Baked Enamel Finish, Add	*145.07*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-21.83*	
		For >100, Deduct	*-31.57*	
		For Insulated Door (Polystyrene Core), Add	*29.56*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*73.89*	
		For Seamless Edge (Welded), Add	*36.95*	
08 13 13 13-0037	EA	3'-6" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated)	401.48	48.96
		For Composite Door Instead Of Full Panel Door, Add	*13.66*	
		For Type 304 Stainless Steel Door, Add	*247.74*	
		For Type 316 Stainless Steel Door, Add	*399.52*	
		For Embossed Panel, Add	*72.85*	
		For Galvanized Steel, Add	*45.53*	
		For Baked Enamel Finish, Add	*149.82*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-22.52*	
		For >100, Deduct	*-32.56*	
		For Insulated Door (Polystyrene Core), Add	*30.36*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*75.89*	
		For Seamless Edge (Welded), Add	*37.95*	
08 13 13 13-0038	EA	4' x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated)	441.26	52.88
		For Composite Door Instead Of Full Panel Door, Add	*15.10*	
		For Type 304 Stainless Steel Door, Add	*273.70*	
		For Type 316 Stainless Steel Door, Add	*441.45*	
		For Embossed Panel, Add	*80.52*	
		For Galvanized Steel, Add	*50.33*	
		For Baked Enamel Finish, Add	*164.10*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-24.71*	
		For >100, Deduct	*-35.74*	
		For Insulated Door (Polystyrene Core), Add	*33.55*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*83.88*	
		For Seamless Edge (Welded), Add	*41.94*	
08 13 13 13-0039	PR	Pair 2'-6" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated)	706.38	85.58
		For Composite Door Instead Of Full Panel Door, Add	*24.08*	
		For Type 304 Stainless Steel Door, Add	*436.73*	
		For Type 316 Stainless Steel Door, Add	*704.34*	
		For Embossed Panel, Add	*128.45*	
		For Galvanized Steel, Add	*80.28*	
		For Baked Enamel Finish, Add	*263.26*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-39.60*	
		For >100, Deduct	*-57.26*	
		For Insulated Door (Polystyrene Core), Add	*53.52*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*133.81*	
		For Seamless Edge (Welded), Add	*66.90*	
08 13 13 13-0040	PR	Pair 2'-8" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated)	714.37	85.58
		For Composite Door Instead Of Full Panel Door, Add	*24.44*	
		For Type 304 Stainless Steel Door, Add	*443.13*	
		For Type 316 Stainless Steel Door, Add	*714.73*	
		For Embossed Panel, Add	*130.37*	
		For Galvanized Steel, Add	*81.48*	
		For Baked Enamel Finish, Add	*265.66*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-40.00*	
		For >100, Deduct	*-57.86*	
		For Insulated Door (Polystyrene Core), Add	*54.32*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*135.80*	
		For Seamless Edge (Welded), Add	*67.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0041	PR	Pair 3' x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated)	728.20	89.30
		For Composite Door Instead Of Full Panel Door, Add	*24.73*	
		For Type 304 Stainless Steel Door, Add	*448.61*	
		For Type 316 Stainless Steel Door, Add	*723.41*	
		For Embossed Panel, Add	*131.90*	
		For Galvanized Steel, Add	*82.44*	
		For Baked Enamel Finish, Add	*272.04*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-40.88*	
		For >100, Deduct	*-59.08*	
		For Insulated Door (Polystyrene Core), Add	*54.96*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*137.40*	
		For Seamless Edge (Welded), Add	*68.70*	
08 13 13 13-0042	PR	Pair 3'-6" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated)	793.15	93.02
		For Composite Door Instead Of Full Panel Door, Add	*27.32*	
		For Type 304 Stainless Steel Door, Add	*494.99*	
		For Type 316 Stainless Steel Door, Add	*798.55*	
		For Embossed Panel, Add	*145.71*	
		For Galvanized Steel, Add	*91.07*	
		For Baked Enamel Finish, Add	*293.76*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-44.31*	
		For >100, Deduct	*-64.14*	
		For Insulated Door (Polystyrene Core), Add	*60.71*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*151.78*	
		For Seamless Edge (Welded), Add	*75.89*	
08 13 13 13-0043	PR	Pair 4' x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated)	871.95	100.46
		For Composite Door Instead Of Full Panel Door, Add	*30.20*	
		For Type 304 Stainless Steel Door, Add	*546.86*	
		For Type 316 Stainless Steel Door, Add	*882.37*	
		For Embossed Panel, Add	*161.04*	
		For Galvanized Steel, Add	*100.65*	
		For Baked Enamel Finish, Add	*321.86*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-48.62*	
		For >100, Deduct	*-70.42*	
		For Insulated Door (Polystyrene Core), Add	*67.10*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*167.76*	
		For Seamless Edge (Welded), Add	*83.88*	

08 13 13 13-0044 18 Gauge 1-3/4" Unrated Door *(08 13 13 13)*

08 13 13 13-0045 6'-8" High *(08 13 13 13-0044)*

08 13 13 13-0046	EA	2' x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated)	355.71	43.08
		For 18 Gauge, Grade II, Heavy Duty, Add	*53.91*	
		For Composite Door Instead Of Full Panel Door, Add	*12.13*	
		For Type 304 Stainless Steel Door, Add	*219.94*	
		For Type 316 Stainless Steel Door, Add	*354.71*	
		For Embossed Panel, Add	*64.69*	
		For Galvanized Steel, Add	*40.43*	
		For Baked Enamel Finish, Add	*132.56*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-19.94*	
		For >100, Deduct	*-28.83*	
		For 2" Thick Door, Add	*21.70*	
		For Insulated Door (Polystyrene Core), Add	*26.95*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*67.39*	
		For Seamless Edge (Welded), Add	*33.69*	
		For Steel Stiffened, Add	*67.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0047	EA	2'-4" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated)	355.71	43.08
		For 18 Gauge, Grade II, Heavy Duty, Add	*53.91*	
		For Composite Door Instead Of Full Panel Door, Add	*12.13*	
		For Type 304 Stainless Steel Door, Add	*219.94*	
		For Type 316 Stainless Steel Door, Add	*354.71*	
		For Embossed Panel, Add	*64.69*	
		For Galvanized Steel, Add	*40.43*	
		For Baked Enamel Finish, Add	*132.56*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-19.94*	
		For >100, Deduct	*-28.83*	
		For 2" Thick Door, Add	*21.70*	
		For Insulated Door (Polystyrene Core), Add	*26.95*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*67.39*	
		For Seamless Edge (Welded), Add	*33.69*	
		For Steel Stiffened, Add	*67.39*	
08 13 13 13-0048	EA	2'-6" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated)	365.13	45.05
		For 18 Gauge, Grade II, Heavy Duty, Add	*55.01*	
		For Composite Door Instead Of Full Panel Door, Add	*12.38*	
		For Type 304 Stainless Steel Door, Add	*224.54*	
		For Type 316 Stainless Steel Door, Add	*362.07*	
		For Embossed Panel, Add	*66.01*	
		For Galvanized Steel, Add	*41.26*	
		For Baked Enamel Finish, Add	*136.56*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-20.51*	
		For >100, Deduct	*-29.64*	
		For 2" Thick Door, Add	*22.19*	
		For Insulated Door (Polystyrene Core), Add	*27.51*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*68.76*	
		For Seamless Edge (Welded), Add	*34.38*	
		For Steel Stiffened, Add	*68.76*	
08 13 13 13-0049	EA	2'-8" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated)	369.24	45.05
		For 18 Gauge, Grade II, Heavy Duty, Add	*55.83*	
		For Composite Door Instead Of Full Panel Door, Add	*12.56*	
		For Type 304 Stainless Steel Door, Add	*227.83*	
		For Type 316 Stainless Steel Door, Add	*367.41*	
		For Embossed Panel, Add	*67.00*	
		For Galvanized Steel, Add	*41.87*	
		For Baked Enamel Finish, Add	*137.80*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-20.71*	
		For >100, Deduct	*-29.95*	
		For 2" Thick Door, Add	*22.49*	
		For Insulated Door (Polystyrene Core), Add	*27.92*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*69.79*	
		For Seamless Edge (Welded), Add	*34.90*	
		For Steel Stiffened, Add	*69.79*	
08 13 13 13-0050	EA	3' x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated)	376.44	47.00
		For 18 Gauge, Grade II, Heavy Duty, Add	*56.49*	
		For Composite Door Instead Of Full Panel Door, Add	*12.71*	
		For Type 304 Stainless Steel Door, Add	*230.65*	
		For Type 316 Stainless Steel Door, Add	*371.87*	
		For Embossed Panel, Add	*67.79*	
		For Galvanized Steel, Add	*42.37*	
		For Baked Enamel Finish, Add	*141.13*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-21.17*	
		For >100, Deduct	*-30.58*	
		For 2" Thick Door, Add	*22.83*	
		For Insulated Door (Polystyrene Core), Add	*28.24*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*70.61*	
		For Seamless Edge (Welded), Add	*35.31*	
		For Steel Stiffened, Add	*70.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0051	EA	3'-4" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated)	397.79	47.00
		For 18 Gauge, Grade II, Heavy Duty, Add	*60.76*	
		For Composite Door Instead Of Full Panel Door, Add	*13.67*	
		For Type 304 Stainless Steel Door, Add	*247.73*	
		For Type 316 Stainless Steel Door, Add	*399.63*	
		For Embossed Panel, Add	*72.91*	
		For Galvanized Steel, Add	*45.57*	
		For Baked Enamel Finish, Add	*147.54*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-22.24*	
		For >100, Deduct	*-32.18*	
		For 2" Thick Door, Add	*24.37*	
		For Insulated Door (Polystyrene Core), Add	*30.38*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*75.95*	
		For Seamless Edge (Welded), Add	*37.97*	
		For Steel Stiffened, Add	*75.95*	
08 13 13 13-0052	EA	3'-6" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated)	409.92	48.96
		For 18 Gauge, Grade II, Heavy Duty, Add	*62.40*	
		For Composite Door Instead Of Full Panel Door, Add	*14.04*	
		For Type 304 Stainless Steel Door, Add	*254.50*	
		For Type 316 Stainless Steel Door, Add	*410.50*	
		For Embossed Panel, Add	*74.88*	
		For Galvanized Steel, Add	*46.80*	
		For Baked Enamel Finish, Add	*152.35*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-22.94*	
		For >100, Deduct	*-33.19*	
		For 2" Thick Door, Add	*25.07*	
		For Insulated Door (Polystyrene Core), Add	*31.20*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*78.00*	
		For Seamless Edge (Welded), Add	*39.00*	
		For Steel Stiffened, Add	*78.00*	
08 13 13 13-0053	EA	4' x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated)	450.59	52.88
		For 18 Gauge, Grade II, Heavy Duty, Add	*68.97*	
		For Composite Door Instead Of Full Panel Door, Add	*15.52*	
		For Type 304 Stainless Steel Door, Add	*281.16*	
		For Type 316 Stainless Steel Door, Add	*453.58*	
		For Embossed Panel, Add	*82.76*	
		For Galvanized Steel, Add	*51.73*	
		For Baked Enamel Finish, Add	*166.90*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-25.17*	
		For >100, Deduct	*-36.44*	
		For 2" Thick Door, Add	*27.64*	
		For Insulated Door (Polystyrene Core), Add	*34.48*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*86.21*	
		For Seamless Edge (Welded), Add	*43.11*	
		For Steel Stiffened, Add	*86.21*	
08 13 13 13-0054	PR	Pair 2'-6" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated)	721.26	85.58
		For 18 Gauge, Grade II, Heavy Duty, Add	*110.02*	
		For Composite Door Instead Of Full Panel Door, Add	*24.75*	
		For Type 304 Stainless Steel Door, Add	*448.64*	
		For Type 316 Stainless Steel Door, Add	*723.69*	
		For Embossed Panel, Add	*132.02*	
		For Galvanized Steel, Add	*82.52*	
		For Baked Enamel Finish, Add	*267.73*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-40.34*	
		For >100, Deduct	*-58.37*	
		For 2" Thick Door, Add	*44.16*	
		For Insulated Door (Polystyrene Core), Add	*55.01*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*137.53*	
		For Seamless Edge (Welded), Add	*68.76*	
		For Steel Stiffened, Add	*137.53*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0055	PR	Pair 2'-8" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated)	729.48	85.58
		For 18 Gauge, Grade II, Heavy Duty, Add	*111.66*	
		For Composite Door Instead Of Full Panel Door, Add	*25.12*	
		For Type 304 Stainless Steel Door, Add	*455.21*	
		For Type 316 Stainless Steel Door, Add	*734.37*	
		For Embossed Panel, Add	*134.00*	
		For Galvanized Steel, Add	*83.75*	
		For Baked Enamel Finish, Add	*270.19*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-40.75*	
		For >100, Deduct	*-58.99*	
		For 2" Thick Door, Add	*44.76*	
		For Insulated Door (Polystyrene Core), Add	*55.83*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*139.58*	
		For Seamless Edge (Welded), Add	*69.79*	
		For Steel Stiffened, Add	*139.58*	
08 13 13 13-0056	PR	Pair 3' x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated)	743.48	89.30
		For 18 Gauge, Grade II, Heavy Duty, Add	*112.98*	
		For Composite Door Instead Of Full Panel Door, Add	*25.42*	
		For Type 304 Stainless Steel Door, Add	*460.83*	
		For Type 316 Stainless Steel Door, Add	*743.27*	
		For Embossed Panel, Add	*135.57*	
		For Galvanized Steel, Add	*84.73*	
		For Baked Enamel Finish, Add	*276.62*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-41.64*	
		For >100, Deduct	*-60.23*	
		For 2" Thick Door, Add	*45.42*	
		For Insulated Door (Polystyrene Core), Add	*56.49*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*141.22*	
		For Seamless Edge (Welded), Add	*70.61*	
		For Steel Stiffened, Add	*141.22*	
08 13 13 13-0057	PR	Pair 3'-6" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated)	810.04	93.02
		For 18 Gauge, Grade II, Heavy Duty, Add	*124.80*	
		For Composite Door Instead Of Full Panel Door, Add	*28.08*	
		For Type 304 Stainless Steel Door, Add	*508.50*	
		For Type 316 Stainless Steel Door, Add	*820.50*	
		For Embossed Panel, Add	*149.76*	
		For Galvanized Steel, Add	*93.60*	
		For Baked Enamel Finish, Add	*298.82*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-45.15*	
		For >100, Deduct	*-65.40*	
		For 2" Thick Door, Add	*49.89*	
		For Insulated Door (Polystyrene Core), Add	*62.40*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*156.00*	
		For Seamless Edge (Welded), Add	*78.00*	
		For Steel Stiffened, Add	*156.00*	
08 13 13 13-0058	PR	Pair 4' x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated)	890.61	100.46
		For 18 Gauge, Grade II, Heavy Duty, Add	*137.94*	
		For Composite Door Instead Of Full Panel Door, Add	*31.04*	
		For Type 304 Stainless Steel Door, Add	*561.79*	
		For Type 316 Stainless Steel Door, Add	*906.63*	
		For Embossed Panel, Add	*165.52*	
		For Galvanized Steel, Add	*103.45*	
		For Baked Enamel Finish, Add	*327.46*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-49.55*	
		For >100, Deduct	*-71.82*	
		For 2" Thick Door, Add	*55.03*	
		For Insulated Door (Polystyrene Core), Add	*68.97*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*172.42*	
		For Seamless Edge (Welded), Add	*86.21*	
		For Steel Stiffened, Add	*172.42*	

08 13 13 13-0059 7' High *(08 13 13 13-0044)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0060	EA	2' x 7' x 1-3/4" 18 Gauge Metal Door (Unrated)	362.11	43.08
		For 18 Gauge, Grade II, Heavy Duty, Add	*55.19*	
		For Composite Door Instead Of Full Panel Door, Add	*12.42*	
		For Type 304 Stainless Steel Door, Add	*225.06*	
		For Type 316 Stainless Steel Door, Add	*363.03*	
		For Embossed Panel, Add	*66.23*	
		For Galvanized Steel, Add	*41.39*	
		For Baked Enamel Finish, Add	*134.48*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-20.26*	
		For >100, Deduct	*-29.31*	
		For 2" Thick Door, Add	*22.16*	
		For Insulated Door (Polystyrene Core), Add	*27.59*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*68.99*	
		For Seamless Edge (Welded), Add	*34.49*	
		For Steel Stiffened, Add	*68.99*	
08 13 13 13-0061	EA	2'-4" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated)	362.11	43.08
		For 18 Gauge, Grade II, Heavy Duty, Add	*55.19*	
		For Composite Door Instead Of Full Panel Door, Add	*12.42*	
		For Type 304 Stainless Steel Door, Add	*225.06*	
		For Type 316 Stainless Steel Door, Add	*363.03*	
		For Embossed Panel, Add	*66.23*	
		For Galvanized Steel, Add	*41.39*	
		For Baked Enamel Finish, Add	*134.48*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-20.26*	
		For >100, Deduct	*-29.31*	
		For 2" Thick Door, Add	*22.16*	
		For Insulated Door (Polystyrene Core), Add	*27.59*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*68.99*	
		For Seamless Edge (Welded), Add	*34.49*	
		For Steel Stiffened, Add	*68.99*	
08 13 13 13-0062	EA	2'-6" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated)	371.66	45.05
		For 18 Gauge, Grade II, Heavy Duty, Add	*56.32*	
		For Composite Door Instead Of Full Panel Door, Add	*12.67*	
		For Type 304 Stainless Steel Door, Add	*229.77*	
		For Type 316 Stainless Steel Door, Add	*370.56*	
		For Embossed Panel, Add	*67.58*	
		For Galvanized Steel, Add	*42.24*	
		For Baked Enamel Finish, Add	*138.52*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-20.84*	
		For >100, Deduct	*-30.13*	
		For 2" Thick Door, Add	*22.67*	
		For Insulated Door (Polystyrene Core), Add	*28.16*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*70.40*	
		For Seamless Edge (Welded), Add	*35.20*	
		For Steel Stiffened, Add	*70.40*	
08 13 13 13-0063	EA	2'-8" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated)	375.86	45.05
		For 18 Gauge, Grade II, Heavy Duty, Add	*57.16*	
		For Composite Door Instead Of Full Panel Door, Add	*12.86*	
		For Type 304 Stainless Steel Door, Add	*233.13*	
		For Type 316 Stainless Steel Door, Add	*376.02*	
		For Embossed Panel, Add	*68.59*	
		For Galvanized Steel, Add	*42.87*	
		For Baked Enamel Finish, Add	*139.78*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-21.05*	
		For >100, Deduct	*-30.44*	
		For 2" Thick Door, Add	*22.97*	
		For Insulated Door (Polystyrene Core), Add	*28.58*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*71.45*	
		For Seamless Edge (Welded), Add	*35.72*	
		For Steel Stiffened, Add	*71.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0064	EA	3' x 7' x 1-3/4" 18 Gauge Metal Door (Unrated)	383.14	47.00
		For 18 Gauge, Grade II, Heavy Duty, Add	*57.83*	
		For Composite Door Instead Of Full Panel Door, Add	*13.01*	
		For Type 304 Stainless Steel Door, Add	*236.01*	
		For Type 316 Stainless Steel Door, Add	*380.58*	
		For Embossed Panel, Add	*69.39*	
		For Galvanized Steel, Add	*43.37*	
		For Baked Enamel Finish, Add	*143.14*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-21.51*	
		For >100, Deduct	*-31.09*	
		For 2" Thick Door, Add	*23.31*	
		For Insulated Door (Polystyrene Core), Add	*28.91*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*72.29*	
		For Seamless Edge (Welded), Add	*36.14*	
		For Steel Stiffened, Add	*72.29*	
08 13 13 13-0065	EA	3'-4" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated)	405.00	47.00
		For 18 Gauge, Grade II, Heavy Duty, Add	*62.20*	
		For Composite Door Instead Of Full Panel Door, Add	*14.00*	
		For Type 304 Stainless Steel Door, Add	*253.50*	
		For Type 316 Stainless Steel Door, Add	*409.00*	
		For Embossed Panel, Add	*74.64*	
		For Galvanized Steel, Add	*46.65*	
		For Baked Enamel Finish, Add	*149.70*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-22.60*	
		For >100, Deduct	*-32.73*	
		For 2" Thick Door, Add	*24.90*	
		For Insulated Door (Polystyrene Core), Add	*31.10*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*77.75*	
		For Seamless Edge (Welded), Add	*38.88*	
		For Steel Stiffened, Add	*77.75*	
08 13 13 13-0066	EA	3'-6" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated)	417.32	48.96
		For 18 Gauge, Grade II, Heavy Duty, Add	*63.88*	
		For Composite Door Instead Of Full Panel Door, Add	*14.37*	
		For Type 304 Stainless Steel Door, Add	*260.42*	
		For Type 316 Stainless Steel Door, Add	*420.12*	
		For Embossed Panel, Add	*76.66*	
		For Galvanized Steel, Add	*47.91*	
		For Baked Enamel Finish, Add	*154.57*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-23.31*	
		For >100, Deduct	*-33.75*	
		For 2" Thick Door, Add	*25.60*	
		For Insulated Door (Polystyrene Core), Add	*31.94*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*79.85*	
		For Seamless Edge (Welded), Add	*39.93*	
		For Steel Stiffened, Add	*79.85*	
08 13 13 13-0067	EA	4' x 7' x 1-3/4" 18 Gauge Metal Door (Unrated)	458.78	52.88
		For 18 Gauge, Grade II, Heavy Duty, Add	*70.61*	
		For Composite Door Instead Of Full Panel Door, Add	*15.89*	
		For Type 304 Stainless Steel Door, Add	*287.71*	
		For Type 316 Stainless Steel Door, Add	*464.23*	
		For Embossed Panel, Add	*84.73*	
		For Galvanized Steel, Add	*52.95*	
		For Baked Enamel Finish, Add	*169.36*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-25.58*	
		For >100, Deduct	*-37.05*	
		For 2" Thick Door, Add	*28.24*	
		For Insulated Door (Polystyrene Core), Add	*35.30*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*88.26*	
		For Seamless Edge (Welded), Add	*44.13*	
		For Steel Stiffened, Add	*88.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0068	PR	Pair 2'-6" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated)	734.32	85.58
		For 18 Gauge, Grade II, Heavy Duty, Add	*112.63*	
		For Composite Door Instead Of Full Panel Door, Add	*25.34*	
		For Type 304 Stainless Steel Door, Add	*459.09*	
		For Type 316 Stainless Steel Door, Add	*740.67*	
		For Embossed Panel, Add	*135.16*	
		For Galvanized Steel, Add	*84.47*	
		For Baked Enamel Finish, Add	*271.64*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-41.00*	
		For >100, Deduct	*-59.35*	
		For 2" Thick Door, Add	*45.11*	
		For Insulated Door (Polystyrene Core), Add	*56.32*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*140.79*	
		For Seamless Edge (Welded), Add	*70.40*	
		For Steel Stiffened, Add	*140.79*	
08 13 13 13-0069	PR	Pair 2'-8" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated)	742.72	85.58
		For 18 Gauge, Grade II, Heavy Duty, Add	*114.31*	
		For Composite Door Instead Of Full Panel Door, Add	*25.72*	
		For Type 304 Stainless Steel Door, Add	*465.81*	
		For Type 316 Stainless Steel Door, Add	*751.59*	
		For Embossed Panel, Add	*137.17*	
		For Galvanized Steel, Add	*85.73*	
		For Baked Enamel Finish, Add	*274.16*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-41.42*	
		For >100, Deduct	*-59.98*	
		For 2" Thick Door, Add	*45.72*	
		For Insulated Door (Polystyrene Core), Add	*57.16*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*142.89*	
		For Seamless Edge (Welded), Add	*71.45*	
		For Steel Stiffened, Add	*142.89*	
08 13 13 13-0070	PR	Pair 3' x 7' x 1-3/4" 18 Gauge Metal Door (Unrated)	756.89	89.30
		For 18 Gauge, Grade II, Heavy Duty, Add	*115.66*	
		For Composite Door Instead Of Full Panel Door, Add	*26.02*	
		For Type 304 Stainless Steel Door, Add	*471.56*	
		For Type 316 Stainless Steel Door, Add	*760.71*	
		For Embossed Panel, Add	*138.79*	
		For Galvanized Steel, Add	*86.74*	
		For Baked Enamel Finish, Add	*280.65*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-42.31*	
		For >100, Deduct	*-61.23*	
		For 2" Thick Door, Add	*46.39*	
		For Insulated Door (Polystyrene Core), Add	*57.83*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*144.57*	
		For Seamless Edge (Welded), Add	*72.29*	
		For Steel Stiffened, Add	*144.57*	
08 13 13 13-0071	PR	Pair 3'-6" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated)	824.85	93.02
		For 18 Gauge, Grade II, Heavy Duty, Add	*127.76*	
		For Composite Door Instead Of Full Panel Door, Add	*28.75*	
		For Type 304 Stainless Steel Door, Add	*520.35*	
		For Type 316 Stainless Steel Door, Add	*839.76*	
		For Embossed Panel, Add	*153.31*	
		For Galvanized Steel, Add	*95.82*	
		For Baked Enamel Finish, Add	*303.27*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-45.89*	
		For >100, Deduct	*-66.51*	
		For 2" Thick Door, Add	*50.96*	
		For Insulated Door (Polystyrene Core), Add	*63.88*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*159.70*	
		For Seamless Edge (Welded), Add	*79.85*	
		For Steel Stiffened, Add	*159.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0072	PR	Pair 4' x 7' x 1-3/4" 18 Gauge Metal Door (Unrated)	906.98	100.46
		For 18 Gauge, Grade II, Heavy Duty, Add	*141.21*	
		For Composite Door Instead Of Full Panel Door, Add	*31.77*	
		For Type 304 Stainless Steel Door, Add	*574.89*	
		For Type 316 Stainless Steel Door, Add	*927.91*	
		For Embossed Panel, Add	*169.45*	
		For Galvanized Steel, Add	*105.91*	
		For Baked Enamel Finish, Add	*332.37*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-50.37*	
		For >100, Deduct	*-73.05*	
		For 2" Thick Door, Add	*56.21*	
		For Insulated Door (Polystyrene Core), Add	*70.61*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*176.51*	
		For Seamless Edge (Welded), Add	*88.26*	
		For Steel Stiffened, Add	*176.51*	

08 13 13 13-0073 7'-2" High *(08 13 13 13-0044)*

08 13 13 13-0074	EA	2' x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated)	368.50	43.08
		For 18 Gauge, Grade II, Heavy Duty, Add	*56.47*	
		For Composite Door Instead Of Full Panel Door, Add	*12.70*	
		For Type 304 Stainless Steel Door, Add	*230.17*	
		For Type 316 Stainless Steel Door, Add	*371.34*	
		For Embossed Panel, Add	*67.76*	
		For Galvanized Steel, Add	*42.35*	
		For Baked Enamel Finish, Add	*136.40*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-20.58*	
		For >100, Deduct	*-29.79*	
		For 2" Thick Door, Add	*22.62*	
		For Insulated Door (Polystyrene Core), Add	*28.23*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*70.58*	
		For Seamless Edge (Welded), Add	*35.29*	
		For Steel Stiffened, Add	*70.58*	
08 13 13 13-0075	EA	2'-4" x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated)	368.50	43.08
		For 18 Gauge, Grade II, Heavy Duty, Add	*56.47*	
		For Composite Door Instead Of Full Panel Door, Add	*12.70*	
		For Type 304 Stainless Steel Door, Add	*230.17*	
		For Type 316 Stainless Steel Door, Add	*371.34*	
		For Embossed Panel, Add	*67.76*	
		For Galvanized Steel, Add	*42.35*	
		For Baked Enamel Finish, Add	*136.40*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-20.58*	
		For >100, Deduct	*-29.79*	
		For 2" Thick Door, Add	*22.62*	
		For Insulated Door (Polystyrene Core), Add	*28.23*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*70.58*	
		For Seamless Edge (Welded), Add	*35.29*	
		For Steel Stiffened, Add	*70.58*	
08 13 13 13-0076	EA	2'-6" x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated)	378.19	45.05
		For 18 Gauge, Grade II, Heavy Duty, Add	*57.62*	
		For Composite Door Instead Of Full Panel Door, Add	*12.96*	
		For Type 304 Stainless Steel Door, Add	*234.99*	
		For Type 316 Stainless Steel Door, Add	*379.05*	
		For Embossed Panel, Add	*69.15*	
		For Galvanized Steel, Add	*43.22*	
		For Baked Enamel Finish, Add	*140.48*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-21.16*	
		For >100, Deduct	*-30.62*	
		For 2" Thick Door, Add	*23.14*	
		For Insulated Door (Polystyrene Core), Add	*28.81*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*72.03*	
		For Seamless Edge (Welded), Add	*36.01*	
		For Steel Stiffened, Add	*72.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0077	EA	2'-8" x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated)	382.49	45.05
		For 18 Gauge, Grade II, Heavy Duty, Add	*58.48*	
		For Composite Door Instead Of Full Panel Door, Add	*13.16*	
		For Type 304 Stainless Steel Door, Add	*238.43*	
		For Type 316 Stainless Steel Door, Add	*384.64*	
		For Embossed Panel, Add	*70.18*	
		For Galvanized Steel, Add	*43.86*	
		For Baked Enamel Finish, Add	*141.77*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-21.38*	
		For >100, Deduct	*-30.94*	
		For 2" Thick Door, Add	*23.45*	
		For Insulated Door (Polystyrene Core), Add	*29.24*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*73.10*	
		For Seamless Edge (Welded), Add	*36.55*	
		For Steel Stiffened, Add	*73.10*	
08 13 13 13-0078	EA	3' x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated)	389.85	47.00
		For 18 Gauge, Grade II, Heavy Duty, Add	*59.17*	
		For Composite Door Instead Of Full Panel Door, Add	*13.31*	
		For Type 304 Stainless Steel Door, Add	*241.38*	
		For Type 316 Stainless Steel Door, Add	*389.31*	
		For Embossed Panel, Add	*71.00*	
		For Galvanized Steel, Add	*44.38*	
		For Baked Enamel Finish, Add	*145.16*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-21.84*	
		For >100, Deduct	*-31.59*	
		For 2" Thick Door, Add	*23.80*	
		For Insulated Door (Polystyrene Core), Add	*29.59*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*73.96*	
		For Seamless Edge (Welded), Add	*36.98*	
		For Steel Stiffened, Add	*73.96*	
08 13 13 13-0079	EA	3'-4" x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated)	412.21	47.00
		For 18 Gauge, Grade II, Heavy Duty, Add	*63.64*	
		For Composite Door Instead Of Full Panel Door, Add	*14.32*	
		For Type 304 Stainless Steel Door, Add	*259.27*	
		For Type 316 Stainless Steel Door, Add	*418.37*	
		For Embossed Panel, Add	*76.37*	
		For Galvanized Steel, Add	*47.73*	
		For Baked Enamel Finish, Add	*151.86*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-22.96*	
		For >100, Deduct	*-33.27*	
		For 2" Thick Door, Add	*25.42*	
		For Insulated Door (Polystyrene Core), Add	*31.82*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*79.55*	
		For Seamless Edge (Welded), Add	*39.78*	
		For Steel Stiffened, Add	*79.55*	
08 13 13 13-0080	EA	3'-6" x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated)	424.73	48.96
		For 18 Gauge, Grade II, Heavy Duty, Add	*65.36*	
		For Composite Door Instead Of Full Panel Door, Add	*14.71*	
		For Type 304 Stainless Steel Door, Add	*266.34*	
		For Type 316 Stainless Steel Door, Add	*429.75*	
		For Embossed Panel, Add	*78.43*	
		For Galvanized Steel, Add	*49.02*	
		For Baked Enamel Finish, Add	*156.80*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-23.68*	
		For >100, Deduct	*-34.30*	
		For 2" Thick Door, Add	*26.14*	
		For Insulated Door (Polystyrene Core), Add	*32.68*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*81.70*	
		For Seamless Edge (Welded), Add	*40.85*	
		For Steel Stiffened, Add	*81.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0081	EA	4' x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated)	466.96	52.88
		For 18 Gauge, Grade II, Heavy Duty, Add	*72.24*	
		For Composite Door Instead Of Full Panel Door, Add	*16.25*	
		For Type 304 Stainless Steel Door, Add	*294.26*	
		For Type 316 Stainless Steel Door, Add	*474.86*	
		For Embossed Panel, Add	*86.69*	
		For Galvanized Steel, Add	*54.18*	
		For Baked Enamel Finish, Add	*171.81*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-25.99*	
		For >100, Deduct	*-37.67*	
		For 2" Thick Door, Add	*28.83*	
		For Insulated Door (Polystyrene Core), Add	*36.12*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*90.30*	
		For Seamless Edge (Welded), Add	*45.15*	
		For Steel Stiffened, Add	*90.30*	
08 13 13 13-0082	PR	Pair 2'-6" x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated)	747.38	85.58
		For 18 Gauge, Grade II, Heavy Duty, Add	*115.24*	
		For Composite Door Instead Of Full Panel Door, Add	*25.93*	
		For Type 304 Stainless Steel Door, Add	*469.53*	
		For Type 316 Stainless Steel Door, Add	*757.64*	
		For Embossed Panel, Add	*138.29*	
		For Galvanized Steel, Add	*86.43*	
		For Baked Enamel Finish, Add	*275.56*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-41.65*	
		For >100, Deduct	*-60.33*	
		For 2" Thick Door, Add	*46.05*	
		For Insulated Door (Polystyrene Core), Add	*57.62*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*144.06*	
		For Seamless Edge (Welded), Add	*72.03*	
		For Steel Stiffened, Add	*144.06*	
08 13 13 13-0083	PR	Pair 2'-8" x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated)	755.98	85.58
		For 18 Gauge, Grade II, Heavy Duty, Add	*116.96*	
		For Composite Door Instead Of Full Panel Door, Add	*26.32*	
		For Type 304 Stainless Steel Door, Add	*476.41*	
		For Type 316 Stainless Steel Door, Add	*768.82*	
		For Embossed Panel, Add	*140.36*	
		For Galvanized Steel, Add	*87.72*	
		For Baked Enamel Finish, Add	*278.14*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-42.08*	
		For >100, Deduct	*-60.98*	
		For 2" Thick Door, Add	*46.68*	
		For Insulated Door (Polystyrene Core), Add	*58.48*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*146.21*	
		For Seamless Edge (Welded), Add	*73.10*	
		For Steel Stiffened, Add	*146.21*	
08 13 13 13-0084	PR	Pair 3' x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated)	770.30	89.30
		For 18 Gauge, Grade II, Heavy Duty, Add	*118.34*	
		For Composite Door Instead Of Full Panel Door, Add	*26.63*	
		For Type 304 Stainless Steel Door, Add	*482.29*	
		For Type 316 Stainless Steel Door, Add	*778.14*	
		For Embossed Panel, Add	*142.01*	
		For Galvanized Steel, Add	*88.76*	
		For Baked Enamel Finish, Add	*284.67*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-42.98*	
		For >100, Deduct	*-62.24*	
		For 2" Thick Door, Add	*47.36*	
		For Insulated Door (Polystyrene Core), Add	*59.17*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*147.93*	
		For Seamless Edge (Welded), Add	*73.96*	
		For Steel Stiffened, Add	*147.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0085	PR	Pair 3'-6" x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated)	839.66	93.02
		For 18 Gauge, Grade II, Heavy Duty, Add	*130.72*	
		For Composite Door Instead Of Full Panel Door, Add	*29.41*	
		For Type 304 Stainless Steel Door, Add	*532.20*	
		For Type 316 Stainless Steel Door, Add	*859.01*	
		For Embossed Panel, Add	*156.87*	
		For Galvanized Steel, Add	*98.04*	
		For Baked Enamel Finish, Add	*307.71*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-46.63*	
		For >100, Deduct	*-67.63*	
		For 2" Thick Door, Add	*52.04*	
		For Insulated Door (Polystyrene Core), Add	*65.36*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*163.41*	
		For Seamless Edge (Welded), Add	*81.70*	
		For Steel Stiffened, Add	*163.41*	
08 13 13 13-0086	PR	Pair 4' x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated)	923.35	100.46
		For 18 Gauge, Grade II, Heavy Duty, Add	*144.48*	
		For Composite Door Instead Of Full Panel Door, Add	*32.51*	
		For Type 304 Stainless Steel Door, Add	*587.98*	
		For Type 316 Stainless Steel Door, Add	*949.19*	
		For Embossed Panel, Add	*173.38*	
		For Galvanized Steel, Add	*108.36*	
		For Baked Enamel Finish, Add	*337.28*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-51.19*	
		For >100, Deduct	*-74.27*	
		For 2" Thick Door, Add	*57.40*	
		For Insulated Door (Polystyrene Core), Add	*72.24*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*180.61*	
		For Seamless Edge (Welded), Add	*90.30*	
		For Steel Stiffened, Add	*180.61*	

08 13 13 13-0087 8' High *(08 13 13 13-0044)*

08 13 13 13-0088	EA	2' x 8' x 1-3/4" 18 Gauge Metal Door (Unrated)	421.27	43.08
		For 18 Gauge, Grade II, Heavy Duty, Add	*67.02*	
		For Up To 1' Extra Height, Add	*92.72*	
		For 1' To 1'-6" Extra Height, Add	*176.90*	
		For Composite Door Instead Of Full Panel Door, Add	*15.08*	
		For Type 304 Stainless Steel Door, Add	*272.39*	
		For Type 316 Stainless Steel Door, Add	*439.94*	
		For Embossed Panel, Add	*80.42*	
		For Galvanized Steel, Add	*50.27*	
		For Baked Enamel Finish, Add	*152.23*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-23.22*	
		For >100, Deduct	*-33.75*	
		For 2" Thick Door, Add	*26.45*	
		For Insulated Door (Polystyrene Core), Add	*33.51*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*83.78*	
		For Seamless Edge (Welded), Add	*41.89*	
		For Steel Stiffened, Add	*83.78*	
08 13 13 13-0089	EA	2'-4" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated)	421.27	43.08
		For 18 Gauge, Grade II, Heavy Duty, Add	*67.02*	
		For Up To 1' Extra Height, Add	*92.72*	
		For 1' To 1'-6" Extra Height, Add	*176.90*	
		For Composite Door Instead Of Full Panel Door, Add	*15.08*	
		For Type 304 Stainless Steel Door, Add	*272.39*	
		For Type 316 Stainless Steel Door, Add	*439.94*	
		For Embossed Panel, Add	*80.42*	
		For Galvanized Steel, Add	*50.27*	
		For Baked Enamel Finish, Add	*152.23*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-23.22*	
		For >100, Deduct	*-33.75*	
		For 2" Thick Door, Add	*26.45*	
		For Insulated Door (Polystyrene Core), Add	*33.51*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*83.78*	
		For Seamless Edge (Welded), Add	*41.89*	
		For Steel Stiffened, Add	*83.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0090	EA	2'-6" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated)	432.03	45.05
		For 18 Gauge, Grade II, Heavy Duty, Add	*68.39*	
		For Up To 1' Extra Height, Add	*94.62*	
		For 1' To 1'-6" Extra Height, Add	*180.52*	
		For Composite Door Instead Of Full Panel Door, Add	*15.39*	
		For Type 304 Stainless Steel Door, Add	*278.06*	
		For Type 316 Stainless Steel Door, Add	*449.04*	
		For Embossed Panel, Add	*82.07*	
		For Galvanized Steel, Add	*51.29*	
		For Baked Enamel Finish, Add	*156.63*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-23.85*	
		For >100, Deduct	*-34.65*	
		For 2" Thick Door, Add	*27.04*	
		For Insulated Door (Polystyrene Core), Add	*34.20*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*85.49*	
		For Seamless Edge (Welded), Add	*42.74*	
		For Steel Stiffened, Add	*85.49*	
08 13 13 13-0091	EA	2'-8" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated)	437.14	45.05
		For 18 Gauge, Grade II, Heavy Duty, Add	*69.41*	
		For Up To 1' Extra Height, Add	*96.03*	
		For 1' To 1'-6" Extra Height, Add	*183.21*	
		For Composite Door Instead Of Full Panel Door, Add	*15.62*	
		For Type 304 Stainless Steel Door, Add	*282.15*	
		For Type 316 Stainless Steel Door, Add	*455.68*	
		For Embossed Panel, Add	*83.29*	
		For Galvanized Steel, Add	*52.06*	
		For Baked Enamel Finish, Add	*158.17*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-24.11*	
		For >100, Deduct	*-35.04*	
		For 2" Thick Door, Add	*27.41*	
		For Insulated Door (Polystyrene Core), Add	*34.71*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*86.77*	
		For Seamless Edge (Welded), Add	*43.38*	
		For Steel Stiffened, Add	*86.77*	
08 13 13 13-0092	EA	3' x 8' x 1-3/4" 18 Gauge Metal Door (Unrated)	445.14	47.00
		For 18 Gauge, Grade II, Heavy Duty, Add	*70.23*	
		For Up To 1' Extra Height, Add	*97.16*	
		For 1' To 1'-6" Extra Height, Add	*185.37*	
		For Composite Door Instead Of Full Panel Door, Add	*15.80*	
		For Type 304 Stainless Steel Door, Add	*285.61*	
		For Type 316 Stainless Steel Door, Add	*461.18*	
		For Embossed Panel, Add	*84.27*	
		For Galvanized Steel, Add	*52.67*	
		For Baked Enamel Finish, Add	*161.74*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-24.61*	
		For >100, Deduct	*-35.74*	
		For 2" Thick Door, Add	*27.81*	
		For Insulated Door (Polystyrene Core), Add	*35.11*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*87.79*	
		For Seamless Edge (Welded), Add	*43.89*	
		For Steel Stiffened, Add	*87.79*	
08 13 13 13-0093	EA	3'-4" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated)	471.68	47.00
		For 18 Gauge, Grade II, Heavy Duty, Add	*75.54*	
		For Up To 1' Extra Height, Add	*104.50*	
		For 1' To 1'-6" Extra Height, Add	*199.38*	
		For Composite Door Instead Of Full Panel Door, Add	*17.00*	
		For Type 304 Stainless Steel Door, Add	*306.84*	
		For Type 316 Stainless Steel Door, Add	*495.68*	
		For Embossed Panel, Add	*90.64*	
		For Galvanized Steel, Add	*56.65*	
		For Baked Enamel Finish, Add	*169.70*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-25.93*	
		For >100, Deduct	*-37.73*	
		For 2" Thick Door, Add	*29.73*	
		For Insulated Door (Polystyrene Core), Add	*37.77*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*94.42*	
		For Seamless Edge (Welded), Add	*47.21*	
		For Steel Stiffened, Add	*94.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0094	EA	3'-6" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated)	485.81	48.96
		For 18 Gauge, Grade II, Heavy Duty, Add	*77.58*	
		For Up To 1' Extra Height, Add	*107.33*	
		For 1' To 1'-6" Extra Height, Add	*204.77*	
		For Composite Door Instead Of Full Panel Door, Add	*17.46*	
		For Type 304 Stainless Steel Door, Add	*315.21*	
		For Type 316 Stainless Steel Door, Add	*509.15*	
		For Embossed Panel, Add	*93.09*	
		For Galvanized Steel, Add	*58.18*	
		For Baked Enamel Finish, Add	*175.12*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-26.74*	
		For >100, Deduct	*-38.88*	
		For 2" Thick Door, Add	*30.57*	
		For Insulated Door (Polystyrene Core), Add	*38.79*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*96.97*	
		For Seamless Edge (Welded), Add	*48.49*	
		For Steel Stiffened, Add	*96.97*	
08 13 13 13-0095	EA	4' x 8' x 1-3/4" 18 Gauge Metal Door (Unrated)	534.47	52.88
		For 18 Gauge, Grade II, Heavy Duty, Add	*85.74*	
		For Up To 1' Extra Height, Add	*118.63*	
		For 1' To 1'-6" Extra Height, Add	*226.32*	
		For Composite Door Instead Of Full Panel Door, Add	*19.29*	
		For Type 304 Stainless Steel Door, Add	*348.26*	
		For Type 316 Stainless Steel Door, Add	*562.62*	
		For Embossed Panel, Add	*102.89*	
		For Galvanized Steel, Add	*64.31*	
		For Baked Enamel Finish, Add	*192.07*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-29.37*	
		For >100, Deduct	*-42.73*	
		For 2" Thick Door, Add	*33.73*	
		For Insulated Door (Polystyrene Core), Add	*42.87*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*107.18*	
		For Seamless Edge (Welded), Add	*53.59*	
		For Steel Stiffened, Add	*107.18*	
08 13 13 13-0096	PR	Pair 2'-6" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated)	855.07	85.58
		For 18 Gauge, Grade II, Heavy Duty, Add	*136.78*	
		For Up To 1' Extra Height, Add	*189.24*	
		For 1' To 1'-6" Extra Height, Add	*361.04*	
		For Composite Door Instead Of Full Panel Door, Add	*30.78*	
		For Type 304 Stainless Steel Door, Add	*555.69*	
		For Type 316 Stainless Steel Door, Add	*897.64*	
		For Embossed Panel, Add	*164.14*	
		For Galvanized Steel, Add	*102.59*	
		For Baked Enamel Finish, Add	*307.87*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-47.03*	
		For >100, Deduct	*-68.41*	
		For 2" Thick Door, Add	*53.86*	
		For Insulated Door (Polystyrene Core), Add	*68.39*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*170.98*	
		For Seamless Edge (Welded), Add	*85.49*	
		For Steel Stiffened, Add	*170.98*	
08 13 13 13-0097	PR	Pair 2'-8" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated)	865.27	85.58
		For 18 Gauge, Grade II, Heavy Duty, Add	*138.82*	
		For Up To 1' Extra Height, Add	*192.06*	
		For 1' To 1'-6" Extra Height, Add	*366.42*	
		For Composite Door Instead Of Full Panel Door, Add	*31.23*	
		For Type 304 Stainless Steel Door, Add	*563.85*	
		For Type 316 Stainless Steel Door, Add	*910.90*	
		For Embossed Panel, Add	*166.59*	
		For Galvanized Steel, Add	*104.12*	
		For Baked Enamel Finish, Add	*310.93*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-47.54*	
		For >100, Deduct	*-69.17*	
		For 2" Thick Door, Add	*54.60*	
		For Insulated Door (Polystyrene Core), Add	*69.41*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*173.53*	
		For Seamless Edge (Welded), Add	*86.76*	
		For Steel Stiffened, Add	*173.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0098	PR	Pair 3' x 8' x 1-3/4" 18 Gauge Metal Door (Unrated)	880.88	89.30
		For 18 Gauge, Grade II, Heavy Duty, Add	*140.46*	
		For Up To 1' Extra Height, Add	*194.32*	
		For 1' To 1'-6" Extra Height, Add	*370.73*	
		For Composite Door Instead Of Full Panel Door, Add	*31.60*	
		For Type 304 Stainless Steel Door, Add	*570.75*	
		For Type 316 Stainless Steel Door, Add	*921.89*	
		For Embossed Panel, Add	*168.55*	
		For Galvanized Steel, Add	*105.34*	
		For Baked Enamel Finish, Add	*317.84*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-48.51*	
		For >100, Deduct	*-70.53*	
		For 2" Thick Door, Add	*55.38*	
		For Insulated Door (Polystyrene Core), Add	*70.23*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*175.57*	
		For Seamless Edge (Welded), Add	*87.79*	
		For Steel Stiffened, Add	*175.57*	
08 13 13 13-0099	PR	Pair 3'-6" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated)	961.81	93.02
		For 18 Gauge, Grade II, Heavy Duty, Add	*155.15*	
		For Up To 1' Extra Height, Add	*214.66*	
		For 1' To 1'-6" Extra Height, Add	*409.53*	
		For Composite Door Instead Of Full Panel Door, Add	*34.91*	
		For Type 304 Stainless Steel Door, Add	*629.92*	
		For Type 316 Stainless Steel Door, Add	*1,017.80*	
		For Embossed Panel, Add	*186.18*	
		For Galvanized Steel, Add	*116.37*	
		For Baked Enamel Finish, Add	*344.36*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-52.74*	
		For >100, Deduct	*-76.79*	
		For 2" Thick Door, Add	*60.89*	
		For Insulated Door (Polystyrene Core), Add	*77.58*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*193.94*	
		For Seamless Edge (Welded), Add	*96.97*	
		For Steel Stiffened, Add	*193.94*	
08 13 13 13-0100	PR	Pair 4' x 8' x 1-3/4" 18 Gauge Metal Door (Unrated)	1,058.37	100.46
		For Composite Door Instead Of Full Panel Door, Add	*38.58*	
		For Type 304 Stainless Steel Door, Add	*696.00*	
		For Type 316 Stainless Steel Door, Add	*1,124.72*	
		For Embossed Panel, Add	*205.79*	
		For Galvanized Steel, Add	*128.62*	
		For Baked Enamel Finish, Add	*377.79*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-57.94*	
		For >100, Deduct	*-84.40*	
		For 2" Thick Door, Add	*67.19*	
		For Insulated Door (Polystyrene Core), Add	*85.74*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*214.36*	
		For Seamless Edge (Welded), Add	*107.18*	
		For Steel Stiffened, Add	*214.36*	

08 13 13 13-0101 16 Gauge 1-3/4" Unrated Door *(08 13 13 13)*

08 13 13 13-0102 6'-8" High *(08 13 13 13-0101)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0103	EA	2' x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated)	459.48	43.08
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*111.99*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*149.32*	
		For Composite Door Instead Of Full Panel Door, Add	*16.80*	
		For Type 304 Stainless Steel Door, Add	*302.96*	
		For Type 316 Stainless Steel Door, Add	*489.61*	
		For Embossed Panel, Add	*89.59*	
		For Galvanized Steel, Add	*56.00*	
		For Baked Enamel Finish, Add	*163.70*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-25.13*	
		For >100, Deduct	*-36.62*	
		For 2" Thick Door, Add	*29.22*	
		For Insulated Door (Polystyrene Core), Add	*37.33*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*93.33*	
		For Seamless Edge (Welded), Add	*46.66*	
		For Steel Stiffened, Add	*93.33*	
08 13 13 13-0104	EA	2'-4" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated)	459.48	43.08
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*111.99*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*149.32*	
		For Composite Door Instead Of Full Panel Door, Add	*16.80*	
		For Type 304 Stainless Steel Door, Add	*302.96*	
		For Type 316 Stainless Steel Door, Add	*489.61*	
		For Embossed Panel, Add	*89.59*	
		For Galvanized Steel, Add	*56.00*	
		For Baked Enamel Finish, Add	*163.70*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-25.13*	
		For >100, Deduct	*-36.62*	
		For 2" Thick Door, Add	*29.22*	
		For Insulated Door (Polystyrene Core), Add	*37.33*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*93.33*	
		For Seamless Edge (Welded), Add	*46.66*	
		For Steel Stiffened, Add	*93.33*	
08 13 13 13-0105	EA	2'-6" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated)	471.03	45.05
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*114.29*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*152.38*	
		For Composite Door Instead Of Full Panel Door, Add	*17.14*	
		For Type 304 Stainless Steel Door, Add	*309.26*	
		For Type 316 Stainless Steel Door, Add	*499.74*	
		For Embossed Panel, Add	*91.43*	
		For Galvanized Steel, Add	*57.14*	
		For Baked Enamel Finish, Add	*168.33*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-25.80*	
		For >100, Deduct	*-37.58*	
		For 2" Thick Door, Add	*29.87*	
		For Insulated Door (Polystyrene Core), Add	*38.10*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*95.24*	
		For Seamless Edge (Welded), Add	*47.62*	
		For Steel Stiffened, Add	*95.24*	
08 13 13 13-0106	EA	2'-8" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated)	476.71	45.05
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*115.99*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*154.65*	
		For Composite Door Instead Of Full Panel Door, Add	*17.40*	
		For Type 304 Stainless Steel Door, Add	*313.81*	
		For Type 316 Stainless Steel Door, Add	*507.12*	
		For Embossed Panel, Add	*92.79*	
		For Galvanized Steel, Add	*57.99*	
		For Baked Enamel Finish, Add	*170.04*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-26.09*	
		For >100, Deduct	*-38.01*	
		For 2" Thick Door, Add	*30.28*	
		For Insulated Door (Polystyrene Core), Add	*38.66*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*96.66*	
		For Seamless Edge (Welded), Add	*48.33*	
		For Steel Stiffened, Add	*96.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0107	EA	3' x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated)	485.18	47.00
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*117.35*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*156.47*	
		For Composite Door Instead Of Full Panel Door, Add	*17.60*	
		For Type 304 Stainless Steel Door, Add	*317.64*	
		For Type 316 Stainless Steel Door, Add	*513.23*	
		For Embossed Panel, Add	*93.88*	
		For Galvanized Steel, Add	*58.68*	
		For Baked Enamel Finish, Add	*173.75*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-26.61*	
		For >100, Deduct	*-38.74*	
		For 2" Thick Door, Add	*30.71*	
		For Insulated Door (Polystyrene Core), Add	*39.12*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*97.80*	
		For Seamless Edge (Welded), Add	*48.90*	
		For Steel Stiffened, Add	*97.80*	
08 13 13 13-0108	EA	3'-4" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated)	514.75	47.00
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*126.23*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*168.30*	
		For Composite Door Instead Of Full Panel Door, Add	*18.93*	
		For Type 304 Stainless Steel Door, Add	*341.30*	
		For Type 316 Stainless Steel Door, Add	*551.68*	
		For Embossed Panel, Add	*100.98*	
		For Galvanized Steel, Add	*63.11*	
		For Baked Enamel Finish, Add	*182.63*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-28.09*	
		For >100, Deduct	*-40.96*	
		For 2" Thick Door, Add	*32.85*	
		For Insulated Door (Polystyrene Core), Add	*42.08*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*105.19*	
		For Seamless Edge (Welded), Add	*52.59*	
		For Steel Stiffened, Add	*105.19*	
08 13 13 13-0109	EA	3'-6" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated)	530.04	48.96
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*129.64*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*172.85*	
		For Composite Door Instead Of Full Panel Door, Add	*19.45*	
		For Type 304 Stainless Steel Door, Add	*350.59*	
		For Type 316 Stainless Steel Door, Add	*566.65*	
		For Embossed Panel, Add	*103.71*	
		For Galvanized Steel, Add	*64.82*	
		For Baked Enamel Finish, Add	*188.39*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-28.95*	
		For >100, Deduct	*-42.20*	
		For 2" Thick Door, Add	*33.78*	
		For Insulated Door (Polystyrene Core), Add	*43.21*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*108.03*	
		For Seamless Edge (Welded), Add	*54.02*	
		For Steel Stiffened, Add	*108.03*	
08 13 13 13-0110	EA	4' x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated)	583.36	52.88
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*143.28*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*191.04*	
		For Composite Door Instead Of Full Panel Door, Add	*21.49*	
		For Type 304 Stainless Steel Door, Add	*387.38*	
		For Type 316 Stainless Steel Door, Add	*626.18*	
		For Embossed Panel, Add	*114.63*	
		For Galvanized Steel, Add	*71.64*	
		For Baked Enamel Finish, Add	*206.73*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-31.81*	
		For >100, Deduct	*-46.40*	
		For 2" Thick Door, Add	*37.27*	
		For Insulated Door (Polystyrene Core), Add	*47.76*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*119.40*	
		For Seamless Edge (Welded), Add	*59.70*	
		For Steel Stiffened, Add	*119.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0111	PR	Pair 2'-6" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated)	933.06	85.58
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*228.57*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*304.76*	
		For Composite Door Instead Of Full Panel Door, Add	*34.29*	
		For Type 304 Stainless Steel Door, Add	*618.08*	
		For Type 316 Stainless Steel Door, Add	*999.03*	
		For Embossed Panel, Add	*182.86*	
		For Galvanized Steel, Add	*114.29*	
		For Baked Enamel Finish, Add	*331.27*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-50.93*	
		For >100, Deduct	*-74.26*	
		For 2" Thick Door, Add	*59.52*	
		For Insulated Door (Polystyrene Core), Add	*76.19*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*190.48*	
		For Seamless Edge (Welded), Add	*95.24*	
		For Steel Stiffened, Add	*190.48*	
08 13 13 13-0112	PR	Pair 2'-8" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated)	944.43	85.58
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*231.98*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*309.31*	
		For Composite Door Instead Of Full Panel Door, Add	*34.80*	
		For Type 304 Stainless Steel Door, Add	*627.17*	
		For Type 316 Stainless Steel Door, Add	*1,013.81*	
		For Embossed Panel, Add	*185.58*	
		For Galvanized Steel, Add	*115.99*	
		For Baked Enamel Finish, Add	*334.68*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-51.50*	
		For >100, Deduct	*-75.11*	
		For 2" Thick Door, Add	*60.34*	
		For Insulated Door (Polystyrene Core), Add	*77.33*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*193.32*	
		For Seamless Edge (Welded), Add	*96.66*	
		For Steel Stiffened, Add	*193.32*	
08 13 13 13-0113	PR	Pair 3' x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated)	960.96	89.30
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*234.71*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*312.94*	
		For Composite Door Instead Of Full Panel Door, Add	*35.21*	
		For Type 304 Stainless Steel Door, Add	*634.82*	
		For Type 316 Stainless Steel Door, Add	*1,026.00*	
		For Embossed Panel, Add	*187.77*	
		For Galvanized Steel, Add	*117.35*	
		For Baked Enamel Finish, Add	*341.87*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-52.51*	
		For >100, Deduct	*-76.54*	
		For 2" Thick Door, Add	*61.19*	
		For Insulated Door (Polystyrene Core), Add	*78.24*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*195.59*	
		For Seamless Edge (Welded), Add	*97.80*	
		For Steel Stiffened, Add	*195.59*	
08 13 13 13-0114	PR	Pair 3'-6" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated)	1,050.28	93.02
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*259.27*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*345.70*	
		For Composite Door Instead Of Full Panel Door, Add	*38.89*	
		For Type 304 Stainless Steel Door, Add	*700.69*	
		For Type 316 Stainless Steel Door, Add	*1,132.81*	
		For Embossed Panel, Add	*207.42*	
		For Galvanized Steel, Add	*129.64*	
		For Baked Enamel Finish, Add	*370.90*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-57.17*	
		For >100, Deduct	*-83.42*	
		For 2" Thick Door, Add	*67.31*	
		For Insulated Door (Polystyrene Core), Add	*86.42*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*216.06*	
		For Seamless Edge (Welded), Add	*108.03*	
		For Steel Stiffened, Add	*216.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0115	PR	Pair 4' x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated)	1,156.14	100.46
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*286.56*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*382.08*	
		For Composite Door Instead Of Full Panel Door, Add	*42.98*	
		For Type 304 Stainless Steel Door, Add	*774.21*	
		For Type 316 Stainless Steel Door, Add	*1,251.82*	
		For Embossed Panel, Add	*229.25*	
		For Galvanized Steel, Add	*143.28*	
		For Baked Enamel Finish, Add	*407.12*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-62.83*	
		For >100, Deduct	*-91.73*	
		For 2" Thick Door, Add	*74.28*	
		For Insulated Door (Polystyrene Core), Add	*95.52*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*238.80*	
		For Seamless Edge (Welded), Add	*119.40*	
		For Steel Stiffened, Add	*238.80*	
08 13 13 13-0116		7' High *(08 13 13 13-0101)*		
08 13 13 13-0117	EA	2' x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	468.34	43.08
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*114.65*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*152.87*	
		For Composite Door Instead Of Full Panel Door, Add	*17.20*	
		For Type 304 Stainless Steel Door, Add	*310.04*	
		For Type 316 Stainless Steel Door, Add	*501.13*	
		For Embossed Panel, Add	*91.72*	
		For Galvanized Steel, Add	*57.33*	
		For Baked Enamel Finish, Add	*166.35*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-25.57*	
		For >100, Deduct	*-37.28*	
		For 2" Thick Door, Add	*29.86*	
		For Insulated Door (Polystyrene Core), Add	*38.22*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*95.54*	
		For Seamless Edge (Welded), Add	*47.77*	
		For Steel Stiffened, Add	*95.54*	
08 13 13 13-0118	EA	2'-4" x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	468.34	43.08
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*114.65*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*152.87*	
		For Composite Door Instead Of Full Panel Door, Add	*17.20*	
		For Type 304 Stainless Steel Door, Add	*310.04*	
		For Type 316 Stainless Steel Door, Add	*501.13*	
		For Embossed Panel, Add	*91.72*	
		For Galvanized Steel, Add	*57.33*	
		For Baked Enamel Finish, Add	*166.35*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-25.57*	
		For >100, Deduct	*-37.28*	
		For 2" Thick Door, Add	*29.86*	
		For Insulated Door (Polystyrene Core), Add	*38.22*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*95.54*	
		For Seamless Edge (Welded), Add	*47.77*	
		For Steel Stiffened, Add	*95.54*	
08 13 13 13-0119	EA	2'-6" x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	480.07	45.05
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*117.00*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*156.00*	
		For Composite Door Instead Of Full Panel Door, Add	*17.55*	
		For Type 304 Stainless Steel Door, Add	*316.50*	
		For Type 316 Stainless Steel Door, Add	*511.49*	
		For Embossed Panel, Add	*93.60*	
		For Galvanized Steel, Add	*58.50*	
		For Baked Enamel Finish, Add	*171.05*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-26.26*	
		For >100, Deduct	*-38.26*	
		For 2" Thick Door, Add	*30.53*	
		For Insulated Door (Polystyrene Core), Add	*39.00*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*97.50*	
		For Seamless Edge (Welded), Add	*48.75*	
		For Steel Stiffened, Add	*97.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0120	EA	2'-8" x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	485.89	45.05
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*118.74*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*158.32*	
		For Composite Door Instead Of Full Panel Door, Add	*17.81*	
		For Type 304 Stainless Steel Door, Add	*321.15*	
		For Type 316 Stainless Steel Door, Add	*519.06*	
		For Embossed Panel, Add	*94.99*	
		For Galvanized Steel, Add	*59.37*	
		For Baked Enamel Finish, Add	*172.79*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-26.55*	
		For >100, Deduct	*-38.69*	
		For 2" Thick Door, Add	*30.95*	
		For Insulated Door (Polystyrene Core), Add	*39.58*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*98.95*	
		For Seamless Edge (Welded), Add	*49.48*	
		For Steel Stiffened, Add	*98.95*	
08 13 13 13-0121	EA	3' x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	494.46	47.00
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*120.14*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*160.18*	
		For Composite Door Instead Of Full Panel Door, Add	*18.02*	
		For Type 304 Stainless Steel Door, Add	*325.07*	
		For Type 316 Stainless Steel Door, Add	*525.30*	
		For Embossed Panel, Add	*96.11*	
		For Galvanized Steel, Add	*60.07*	
		For Baked Enamel Finish, Add	*176.54*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-27.07*	
		For >100, Deduct	*-39.43*	
		For 2" Thick Door, Add	*31.38*	
		For Insulated Door (Polystyrene Core), Add	*40.05*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*100.12*	
		For Seamless Edge (Welded), Add	*50.06*	
		For Steel Stiffened, Add	*100.12*	
08 13 13 13-0122	EA	3'-4" x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	524.73	47.00
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*129.22*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*172.29*	
		For Composite Door Instead Of Full Panel Door, Add	*19.38*	
		For Type 304 Stainless Steel Door, Add	*349.28*	
		For Type 316 Stainless Steel Door, Add	*564.65*	
		For Embossed Panel, Add	*103.38*	
		For Galvanized Steel, Add	*64.61*	
		For Baked Enamel Finish, Add	*185.62*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-28.59*	
		For >100, Deduct	*-41.70*	
		For 2" Thick Door, Add	*33.58*	
		For Insulated Door (Polystyrene Core), Add	*43.07*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*107.68*	
		For Seamless Edge (Welded), Add	*53.84*	
		For Steel Stiffened, Add	*107.68*	
08 13 13 13-0123	EA	3'-6" x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	540.29	48.96
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*132.71*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*176.95*	
		For Composite Door Instead Of Full Panel Door, Add	*19.91*	
		For Type 304 Stainless Steel Door, Add	*358.79*	
		For Type 316 Stainless Steel Door, Add	*579.98*	
		For Embossed Panel, Add	*106.17*	
		For Galvanized Steel, Add	*66.36*	
		For Baked Enamel Finish, Add	*191.46*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-29.46*	
		For >100, Deduct	*-42.97*	
		For 2" Thick Door, Add	*34.52*	
		For Insulated Door (Polystyrene Core), Add	*44.24*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*110.59*	
		For Seamless Edge (Welded), Add	*55.30*	
		For Steel Stiffened, Add	*110.59*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0124	EA	4' x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	594.69	52.88
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*146.68*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*195.58*	
		For Composite Door Instead Of Full Panel Door, Add	*22.00*	
		For Type 304 Stainless Steel Door, Add	*396.44*	
		For Type 316 Stainless Steel Door, Add	*640.91*	
		For Embossed Panel, Add	*117.35*	
		For Galvanized Steel, Add	*73.34*	
		For Baked Enamel Finish, Add	*210.13*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-32.38*	
		For >100, Deduct	*-47.25*	
		For 2" Thick Door, Add	*38.09*	
		For Insulated Door (Polystyrene Core), Add	*48.89*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*122.24*	
		For Seamless Edge (Welded), Add	*61.12*	
		For Steel Stiffened, Add	*122.24*	
08 13 13 13-0125	PR	Pair 2'-6" x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	951.14	85.58
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*233.99*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*311.99*	
		For Composite Door Instead Of Full Panel Door, Add	*35.10*	
		For Type 304 Stainless Steel Door, Add	*632.54*	
		For Type 316 Stainless Steel Door, Add	*1,022.53*	
		For Embossed Panel, Add	*187.20*	
		For Galvanized Steel, Add	*117.00*	
		For Baked Enamel Finish, Add	*336.69*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-51.84*	
		For >100, Deduct	*-75.61*	
		For 2" Thick Door, Add	*60.83*	
		For Insulated Door (Polystyrene Core), Add	*78.00*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*195.00*	
		For Seamless Edge (Welded), Add	*97.50*	
		For Steel Stiffened, Add	*195.00*	
08 13 13 13-0126	PR	Pair 2'-8" x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	962.78	85.58
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*237.49*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*316.65*	
		For Composite Door Instead Of Full Panel Door, Add	*35.62*	
		For Type 304 Stainless Steel Door, Add	*641.85*	
		For Type 316 Stainless Steel Door, Add	*1,037.66*	
		For Embossed Panel, Add	*189.99*	
		For Galvanized Steel, Add	*118.74*	
		For Baked Enamel Finish, Add	*340.18*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-52.42*	
		For >100, Deduct	*-76.49*	
		For 2" Thick Door, Add	*61.67*	
		For Insulated Door (Polystyrene Core), Add	*79.16*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*197.91*	
		For Seamless Edge (Welded), Add	*98.95*	
		For Steel Stiffened, Add	*197.91*	
08 13 13 13-0127	PR	Pair 3' x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	979.53	89.30
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*240.28*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*320.37*	
		For Composite Door Instead Of Full Panel Door, Add	*36.04*	
		For Type 304 Stainless Steel Door, Add	*649.67*	
		For Type 316 Stainless Steel Door, Add	*1,050.14*	
		For Embossed Panel, Add	*192.22*	
		For Galvanized Steel, Add	*120.14*	
		For Baked Enamel Finish, Add	*347.44*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-53.44*	
		For >100, Deduct	*-77.93*	
		For 2" Thick Door, Add	*62.53*	
		For Insulated Door (Polystyrene Core), Add	*80.09*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*200.23*	
		For Seamless Edge (Welded), Add	*100.12*	
		For Steel Stiffened, Add	*200.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0128	PR	Pair 3'-6" x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	1,070.79	93.02
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*265.43*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*353.90*	
		For Composite Door Instead Of Full Panel Door, Add	*39.81*	
		For Type 304 Stainless Steel Door, Add	*717.10*	
		For Type 316 Stainless Steel Door, Add	*1,159.48*	
		For Embossed Panel, Add	*212.34*	
		For Galvanized Steel, Add	*132.71*	
		For Baked Enamel Finish, Add	*377.05*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-58.19*	
		For >100, Deduct	*-84.96*	
		For 2" Thick Door, Add	*68.80*	
		For Insulated Door (Polystyrene Core), Add	*88.48*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*221.19*	
		For Seamless Edge (Welded), Add	*110.59*	
		For Steel Stiffened, Add	*221.19*	
08 13 13 13-0129	PR	Pair 4' x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	1,178.81	100.46
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*293.36*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*391.15*	
		For Composite Door Instead Of Full Panel Door, Add	*44.00*	
		For Type 304 Stainless Steel Door, Add	*792.35*	
		For Type 316 Stainless Steel Door, Add	*1,281.29*	
		For Embossed Panel, Add	*234.69*	
		For Galvanized Steel, Add	*146.68*	
		For Baked Enamel Finish, Add	*413.92*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-63.96*	
		For >100, Deduct	*-93.43*	
		For 2" Thick Door, Add	*75.92*	
		For Insulated Door (Polystyrene Core), Add	*97.79*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*244.47*	
		For Seamless Edge (Welded), Add	*122.24*	
		For Steel Stiffened, Add	*244.47*	

08 13 13 13-0130 7'-2" High *(08 13 13 13-0101)*

08 13 13 13-0131	EA	2' x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	477.20	43.08
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*117.31*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*156.41*	
		For Composite Door Instead Of Full Panel Door, Add	*17.60*	
		For Type 304 Stainless Steel Door, Add	*317.13*	
		For Type 316 Stainless Steel Door, Add	*512.65*	
		For Embossed Panel, Add	*93.85*	
		For Galvanized Steel, Add	*58.65*	
		For Baked Enamel Finish, Add	*169.01*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-26.01*	
		For >100, Deduct	*-37.94*	
		For 2" Thick Door, Add	*30.50*	
		For Insulated Door (Polystyrene Core), Add	*39.10*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*97.76*	
		For Seamless Edge (Welded), Add	*48.88*	
		For Steel Stiffened, Add	*97.76*	
08 13 13 13-0132	EA	2'-4" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	477.20	43.08
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*117.31*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*156.41*	
		For Composite Door Instead Of Full Panel Door, Add	*17.60*	
		For Type 304 Stainless Steel Door, Add	*317.13*	
		For Type 316 Stainless Steel Door, Add	*512.65*	
		For Embossed Panel, Add	*93.85*	
		For Galvanized Steel, Add	*58.65*	
		For Baked Enamel Finish, Add	*169.01*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-26.01*	
		For >100, Deduct	*-37.94*	
		For 2" Thick Door, Add	*30.50*	
		For Insulated Door (Polystyrene Core), Add	*39.10*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*97.76*	
		For Seamless Edge (Welded), Add	*48.88*	
		For Steel Stiffened, Add	*97.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0133	EA	2'-6" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	489.11	45.05
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*119.71*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*159.61*	
		For Composite Door Instead Of Full Panel Door, Add	*17.96*	
		For Type 304 Stainless Steel Door, Add	*323.73*	
		For Type 316 Stainless Steel Door, Add	*523.24*	
		For Embossed Panel, Add	*95.77*	
		For Galvanized Steel, Add	*59.85*	
		For Baked Enamel Finish, Add	*173.76*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-26.71*	
		For >100, Deduct	*-38.94*	
		For 2" Thick Door, Add	*31.18*	
		For Insulated Door (Polystyrene Core), Add	*39.90*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*99.76*	
		For Seamless Edge (Welded), Add	*49.88*	
		For Steel Stiffened, Add	*99.76*	
08 13 13 13-0134	EA	2'-8" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	495.07	45.05
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*121.50*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*162.00*	
		For Composite Door Instead Of Full Panel Door, Add	*18.22*	
		For Type 304 Stainless Steel Door, Add	*328.50*	
		For Type 316 Stainless Steel Door, Add	*530.99*	
		For Embossed Panel, Add	*97.20*	
		For Galvanized Steel, Add	*60.75*	
		For Baked Enamel Finish, Add	*175.55*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-27.01*	
		For >100, Deduct	*-39.38*	
		For 2" Thick Door, Add	*31.61*	
		For Insulated Door (Polystyrene Core), Add	*40.50*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*101.25*	
		For Seamless Edge (Welded), Add	*50.62*	
		For Steel Stiffened, Add	*101.25*	
08 13 13 13-0135	EA	3' x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	503.75	47.00
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*122.93*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*163.90*	
		For Composite Door Instead Of Full Panel Door, Add	*18.44*	
		For Type 304 Stainless Steel Door, Add	*332.50*	
		For Type 316 Stainless Steel Door, Add	*537.38*	
		For Embossed Panel, Add	*98.34*	
		For Galvanized Steel, Add	*61.46*	
		For Baked Enamel Finish, Add	*179.33*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-27.54*	
		For >100, Deduct	*-40.13*	
		For 2" Thick Door, Add	*32.06*	
		For Insulated Door (Polystyrene Core), Add	*40.98*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*102.44*	
		For Seamless Edge (Welded), Add	*51.22*	
		For Steel Stiffened, Add	*102.44*	
08 13 13 13-0136	EA	3'-4" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	534.72	47.00
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*132.22*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*176.29*	
		For Composite Door Instead Of Full Panel Door, Add	*19.83*	
		For Type 304 Stainless Steel Door, Add	*357.28*	
		For Type 316 Stainless Steel Door, Add	*577.64*	
		For Embossed Panel, Add	*105.77*	
		For Galvanized Steel, Add	*66.11*	
		For Baked Enamel Finish, Add	*188.62*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-29.09*	
		For >100, Deduct	*-42.45*	
		For 2" Thick Door, Add	*34.30*	
		For Insulated Door (Polystyrene Core), Add	*44.07*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*110.18*	
		For Seamless Edge (Welded), Add	*55.09*	
		For Steel Stiffened, Add	*110.18*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0137	EA	3'-6" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	550.55	48.96
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*135.79*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*181.05*	
		For Composite Door Instead Of Full Panel Door, Add	*20.37*	
		For Type 304 Stainless Steel Door, Add	*367.00*	
		For Type 316 Stainless Steel Door, Add	*593.32*	
		For Embossed Panel, Add	*108.63*	
		For Galvanized Steel, Add	*67.89*	
		For Baked Enamel Finish, Add	*194.54*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-29.98*	
		For >100, Deduct	*-43.74*	
		For 2" Thick Door, Add	*35.26*	
		For Insulated Door (Polystyrene Core), Add	*45.26*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*113.16*	
		For Seamless Edge (Welded), Add	*56.58*	
		For Steel Stiffened, Add	*113.16*	
08 13 13 13-0138	EA	4' x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	606.03	52.88
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*150.08*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*200.11*	
		For Composite Door Instead Of Full Panel Door, Add	*22.51*	
		For Type 304 Stainless Steel Door, Add	*405.51*	
		For Type 316 Stainless Steel Door, Add	*655.65*	
		For Embossed Panel, Add	*120.07*	
		For Galvanized Steel, Add	*75.04*	
		For Baked Enamel Finish, Add	*213.53*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-32.95*	
		For >100, Deduct	*-48.10*	
		For 2" Thick Door, Add	*38.91*	
		For Insulated Door (Polystyrene Core), Add	*50.03*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*125.07*	
		For Seamless Edge (Welded), Add	*62.54*	
		For Steel Stiffened, Add	*125.07*	
08 13 13 13-0139	PR	Pair 2'-6" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	969.22	85.58
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*239.42*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*319.22*	
		For Composite Door Instead Of Full Panel Door, Add	*35.91*	
		For Type 304 Stainless Steel Door, Add	*647.01*	
		For Type 316 Stainless Steel Door, Add	*1,046.04*	
		For Embossed Panel, Add	*191.53*	
		For Galvanized Steel, Add	*119.71*	
		For Baked Enamel Finish, Add	*342.11*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-52.74*	
		For >100, Deduct	*-76.97*	
		For 2" Thick Door, Add	*62.14*	
		For Insulated Door (Polystyrene Core), Add	*79.81*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*199.52*	
		For Seamless Edge (Welded), Add	*99.76*	
		For Steel Stiffened, Add	*199.52*	
08 13 13 13-0140	PR	Pair 2'-8" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	981.13	85.58
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*242.99*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*323.99*	
		For Composite Door Instead Of Full Panel Door, Add	*36.45*	
		For Type 304 Stainless Steel Door, Add	*656.53*	
		For Type 316 Stainless Steel Door, Add	*1,061.52*	
		For Embossed Panel, Add	*194.39*	
		For Galvanized Steel, Add	*121.50*	
		For Baked Enamel Finish, Add	*345.69*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-53.34*	
		For >100, Deduct	*-77.86*	
		For 2" Thick Door, Add	*63.00*	
		For Insulated Door (Polystyrene Core), Add	*81.00*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*202.49*	
		For Seamless Edge (Welded), Add	*101.25*	
		For Steel Stiffened, Add	*202.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0141	PR	Pair 3' x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	998.10	89.30
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*245.85*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*327.80*	
		For Composite Door Instead Of Full Panel Door, Add	*36.88*	
		For Type 304 Stainless Steel Door, Add	*664.53*	
		For Type 316 Stainless Steel Door, Add	*1,074.28*	
		For Embossed Panel, Add	*196.68*	
		For Galvanized Steel, Add	*122.93*	
		For Baked Enamel Finish, Add	*353.01*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-54.37*	
		For >100, Deduct	*-79.32*	
		For 2" Thick Door, Add	*63.88*	
		For Insulated Door (Polystyrene Core), Add	*81.95*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*204.88*	
		For Seamless Edge (Welded), Add	*102.44*	
		For Steel Stiffened, Add	*204.88*	
08 13 13 13-0142	PR	Pair 3'-6" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	1,091.30	93.02
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*271.58*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*362.10*	
		For Composite Door Instead Of Full Panel Door, Add	*40.74*	
		For Type 304 Stainless Steel Door, Add	*733.51*	
		For Type 316 Stainless Steel Door, Add	*1,186.14*	
		For Embossed Panel, Add	*217.26*	
		For Galvanized Steel, Add	*135.79*	
		For Baked Enamel Finish, Add	*383.20*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-59.22*	
		For >100, Deduct	*-86.50*	
		For 2" Thick Door, Add	*70.28*	
		For Insulated Door (Polystyrene Core), Add	*90.53*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*226.32*	
		For Seamless Edge (Welded), Add	*113.16*	
		For Steel Stiffened, Add	*226.32*	
08 13 13 13-0143	PR	Pair 4' x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	1,201.48	100.46
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*300.17*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*400.22*	
		For Composite Door Instead Of Full Panel Door, Add	*45.02*	
		For Type 304 Stainless Steel Door, Add	*810.49*	
		For Type 316 Stainless Steel Door, Add	*1,310.76*	
		For Embossed Panel, Add	*240.13*	
		For Galvanized Steel, Add	*150.08*	
		For Baked Enamel Finish, Add	*420.72*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-65.10*	
		For >100, Deduct	*-95.13*	
		For 2" Thick Door, Add	*77.56*	
		For Insulated Door (Polystyrene Core), Add	*100.06*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*250.14*	
		For Seamless Edge (Welded), Add	*125.07*	
		For Steel Stiffened, Add	*250.14*	

08 13 13 13-0144 8' High *(08 13 13 13-0101)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0145	EA	2' x 8' x 1-3/4" 16 Gauge Metal Door (Unrated)	550.28	43.08
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*139.23*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*185.64*	
		For Up To 1' Extra Height, Add	*128.42*	
		For Composite Door Instead Of Full Panel Door, Add	*20.88*	
		For Type 304 Stainless Steel Door, Add	*375.60*	
		For Type 316 Stainless Steel Door, Add	*607.65*	
		For Embossed Panel, Add	*111.39*	
		For Galvanized Steel, Add	*69.62*	
		For Baked Enamel Finish, Add	*190.94*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-29.67*	
		For >100, Deduct	*-43.43*	
		For 2" Thick Door, Add	*35.80*	
		For Insulated Door (Polystyrene Core), Add	*46.41*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*116.03*	
		For Seamless Edge (Welded), Add	*58.01*	
		For Steel Stiffened, Add	*116.03*	
08 13 13 13-0146	EA	2'-4" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated)	550.28	43.08
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*139.23*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*185.64*	
		For Up To 1' Extra Height, Add	*128.42*	
		For Composite Door Instead Of Full Panel Door, Add	*20.88*	
		For Type 304 Stainless Steel Door, Add	*375.60*	
		For Type 316 Stainless Steel Door, Add	*607.65*	
		For Embossed Panel, Add	*111.39*	
		For Galvanized Steel, Add	*69.62*	
		For Baked Enamel Finish, Add	*190.94*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-29.67*	
		For >100, Deduct	*-43.43*	
		For 2" Thick Door, Add	*35.80*	
		For Insulated Door (Polystyrene Core), Add	*46.41*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*116.03*	
		For Seamless Edge (Welded), Add	*58.01*	
		For Steel Stiffened, Add	*116.03*	
08 13 13 13-0147	EA	2'-6" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated)	563.69	45.05
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*142.08*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*189.44*	
		For Up To 1' Extra Height, Add	*131.05*	
		For Composite Door Instead Of Full Panel Door, Add	*21.31*	
		For Type 304 Stainless Steel Door, Add	*383.39*	
		For Type 316 Stainless Steel Door, Add	*620.20*	
		For Embossed Panel, Add	*113.67*	
		For Galvanized Steel, Add	*71.04*	
		For Baked Enamel Finish, Add	*196.13*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-30.44*	
		For >100, Deduct	*-44.53*	
		For 2" Thick Door, Add	*36.59*	
		For Insulated Door (Polystyrene Core), Add	*47.36*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*118.40*	
		For Seamless Edge (Welded), Add	*59.20*	
		For Steel Stiffened, Add	*118.40*	
08 13 13 13-0148	EA	2'-8" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated)	570.76	45.05
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*144.20*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*192.27*	
		For Up To 1' Extra Height, Add	*133.00*	
		For Composite Door Instead Of Full Panel Door, Add	*21.63*	
		For Type 304 Stainless Steel Door, Add	*389.05*	
		For Type 316 Stainless Steel Door, Add	*629.39*	
		For Embossed Panel, Add	*115.36*	
		For Galvanized Steel, Add	*72.10*	
		For Baked Enamel Finish, Add	*198.25*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-30.79*	
		For >100, Deduct	*-45.06*	
		For 2" Thick Door, Add	*37.10*	
		For Insulated Door (Polystyrene Core), Add	*48.07*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*120.17*	
		For Seamless Edge (Welded), Add	*60.09*	
		For Steel Stiffened, Add	*120.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0149	EA	3' x 8' x 1-3/4" 16 Gauge Metal Door (Unrated)	580.33	47.00
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*145.90*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*194.53*	
		For Up To 1' Extra Height, Add	*134.57*	
		For Composite Door Instead Of Full Panel Door, Add	*21.88*	
		For Type 304 Stainless Steel Door, Add	*393.76*	
		For Type 316 Stainless Steel Door, Add	*636.93*	
		For Embossed Panel, Add	*116.72*	
		For Galvanized Steel, Add	*72.95*	
		For Baked Enamel Finish, Add	*202.30*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-31.37*	
		For >100, Deduct	*-45.87*	
		For 2" Thick Door, Add	*37.61*	
		For Insulated Door (Polystyrene Core), Add	*48.63*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*121.58*	
		For Seamless Edge (Welded), Add	*60.79*	
		For Steel Stiffened, Add	*121.58*	
08 13 13 13-0150	EA	3'-4" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated)	617.09	47.00
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*156.93*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*209.24*	
		For Up To 1' Extra Height, Add	*144.74*	
		For Composite Door Instead Of Full Panel Door, Add	*23.54*	
		For Type 304 Stainless Steel Door, Add	*423.17*	
		For Type 316 Stainless Steel Door, Add	*684.72*	
		For Embossed Panel, Add	*125.54*	
		For Galvanized Steel, Add	*78.46*	
		For Baked Enamel Finish, Add	*213.33*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-33.20*	
		For >100, Deduct	*-48.63*	
		For 2" Thick Door, Add	*40.27*	
		For Insulated Door (Polystyrene Core), Add	*52.31*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*130.77*	
		For Seamless Edge (Welded), Add	*65.39*	
		For Steel Stiffened, Add	*130.77*	
08 13 13 13-0151	EA	3'-6" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated)	635.15	48.96
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*161.17*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*214.89*	
		For Up To 1' Extra Height, Add	*148.65*	
		For 1' To 1'-6" Extra Height, Add	*283.60*	
		For Composite Door Instead Of Full Panel Door, Add	*24.18*	
		For Type 304 Stainless Steel Door, Add	*434.68*	
		For Type 316 Stainless Steel Door, Add	*703.30*	
		For Embossed Panel, Add	*128.94*	
		For Galvanized Steel, Add	*80.58*	
		For Baked Enamel Finish, Add	*219.92*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-34.21*	
		For >100, Deduct	*-50.08*	
		For 2" Thick Door, Add	*41.40*	
		For Insulated Door (Polystyrene Core), Add	*53.72*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*134.31*	
		For Seamless Edge (Welded), Add	*67.15*	
		For Steel Stiffened, Add	*134.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0152	EA	4' x 8' x 1-3/4" 16 Gauge Metal Door (Unrated)	699.52	52.88
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*178.13*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*237.51*	
		For Up To 1' Extra Height, Add	*164.30*	
		For 1' To 1'-6" Extra Height, Add	*313.45*	
		For Composite Door Instead Of Full Panel Door, Add	*26.72*	
		For Type 304 Stainless Steel Door, Add	*480.30*	
		For Type 316 Stainless Steel Door, Add	*777.19*	
		For Embossed Panel, Add	*142.50*	
		For Galvanized Steel, Add	*89.07*	
		For Baked Enamel Finish, Add	*241.58*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-37.62*	
		For >100, Deduct	*-55.11*	
		For 2" Thick Door, Add	*45.69*	
		For Insulated Door (Polystyrene Core), Add	*59.38*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*148.44*	
		For Seamless Edge (Welded), Add	*74.22*	
		For Steel Stiffened, Add	*148.44*	
08 13 13 13-0153	PR	Pair 2'-6" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated)	1,118.37	85.58
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*284.16*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*378.88*	
		For Up To 1' Extra Height, Add	*262.09*	
		For Composite Door Instead Of Full Panel Door, Add	*42.62*	
		For Type 304 Stainless Steel Door, Add	*766.33*	
		For Type 316 Stainless Steel Door, Add	*1,239.93*	
		For Embossed Panel, Add	*227.33*	
		For Galvanized Steel, Add	*142.08*	
		For Baked Enamel Finish, Add	*386.86*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-60.20*	
		For >100, Deduct	*-88.16*	
		For 2" Thick Door, Add	*72.95*	
		For Insulated Door (Polystyrene Core), Add	*94.72*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*236.80*	
		For Seamless Edge (Welded), Add	*118.40*	
		For Steel Stiffened, Add	*236.80*	
08 13 13 13-0154	PR	Pair 2'-8" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated)	1,132.51	85.58
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*288.41*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*384.54*	
		For Up To 1' Extra Height, Add	*266.01*	
		For Composite Door Instead Of Full Panel Door, Add	*43.26*	
		For Type 304 Stainless Steel Door, Add	*777.64*	
		For Type 316 Stainless Steel Door, Add	*1,258.31*	
		For Embossed Panel, Add	*230.72*	
		For Galvanized Steel, Add	*144.20*	
		For Baked Enamel Finish, Add	*391.10*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-60.90*	
		For >100, Deduct	*-89.22*	
		For 2" Thick Door, Add	*73.98*	
		For Insulated Door (Polystyrene Core), Add	*96.14*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*240.34*	
		For Seamless Edge (Welded), Add	*120.17*	
		For Steel Stiffened, Add	*240.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0155	PR	Pair 3' x 8' x 1-3/4" 16 Gauge Metal Door (Unrated)	1,151.26	89.30
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*291.80*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*389.06*	
		For Up To 1' Extra Height, Add	*269.14*	
		For 1' To 1'-6" Extra Height, Add	*513.47*	
		For Composite Door Instead Of Full Panel Door, Add	*43.77*	
		For Type 304 Stainless Steel Door, Add	*787.06*	
		For Type 316 Stainless Steel Door, Add	*1,273.39*	
		For Embossed Panel, Add	*233.44*	
		For Galvanized Steel, Add	*145.90*	
		For Baked Enamel Finish, Add	*398.96*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-62.03*	
		For >100, Deduct	*-90.81*	
		For 2" Thick Door, Add	*74.98*	
		For Insulated Door (Polystyrene Core), Add	*97.27*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*243.17*	
		For Seamless Edge (Welded), Add	*121.58*	
		For Steel Stiffened, Add	*243.17*	
08 13 13 13-0156	PR	Pair 3'-6" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated)	1,260.49	93.02
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	*322.34*	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	*429.78*	
		For Up To 1' Extra Height, Add	*297.30*	
		For 1' To 1'-6" Extra Height, Add	*567.20*	
		For Composite Door Instead Of Full Panel Door, Add	*48.35*	
		For Type 304 Stainless Steel Door, Add	*868.86*	
		For Type 316 Stainless Steel Door, Add	*1,406.09*	
		For Embossed Panel, Add	*257.87*	
		For Galvanized Steel, Add	*161.17*	
		For Baked Enamel Finish, Add	*433.96*	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	*27.63*	
		For 45 Minutes Rated Door And FM Label, Add	*41.40*	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	*55.27*	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	*93.38*	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	*131.50*	
		For >50 To 100, Deduct	*-67.68*	
		For >100, Deduct	*-99.19*	
		For 2" Thick Door, Add	*82.55*	
		For Insulated Door (Polystyrene Core), Add	*107.45*	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	*268.61*	
		For Seamless Edge (Welded), Add	*134.31*	
		For Steel Stiffened, Add	*268.61*	
08 13 13 13-0157	PR	Pair 4' x 8' x 1-3/4" 16 Gauge Metal Door (Unrated)	1,388.48	100.46
		For 1' To 1'-6" Extra Height, Add	*626.91*	
		For Seamless Edge (Welded), Add	*148.44*	
		For Steel Stiffened, Add	*296.89*	

08 13 13 53 Custom Hollow Metal Doors *(08 13 13)*

08 13 13 53-0001 Steel 18 Gauge 1-3/4" Unrated Door *(08 13 13 53)*

08 13 13 53-0002	EA	2'-2" Or 2'-4" x 6'-9" x 1-3/4" 18 Gauge Steel Door (Unrated) With Semicircular Head	1,023.21	97.92
		For 16 Gauge Door, Add	*20.30*	
08 13 13 53-0003	EA	2'-6" x 6'-9" x 1-3/4" 18 Gauge Steel Door (Unrated) With Semicircular Head	1,074.98	117.50
		For 16 Gauge Door, Add	*20.30*	

08 13 73 Sliding Metal Doors *(08 13)*

08 13 73 00-0001 Sliding Bypass Mirror Doors *(08 13 73)*

Note: Includes 3.0 mm thick, steel frameless safety backed mirrors with anti-jump rollers and guides.

08 13 73 00-0002	EA	4' x 6' 8", Sliding Bypass Mirror Doors	276.37	58.75
08 13 73 00-0003	EA	5' x 6' 8", Sliding Bypass Mirror Doors	311.83	62.67
08 13 73 00-0004	EA	6' x 6' 8", Sliding Bypass Mirror Doors	347.29	66.58
08 13 73 00-0005	EA	8' x 6' 8", Sliding Bypass Mirror Doors	410.39	70.50

08 14 Wood Doors *(08 10)*

Note: Includes machining for all hardware, except mortised locks. Excludes finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

08 14 16 Flush Wood Doors *(08 14)*

08 14 16 00-0001 Hollow Core Doors, 1-3/8" Thick *(08 14 16)*

08 14 16 00-0002 Birch Faced *(08 14 16 00-0001)*

08 14 16 00-0003	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Hollow Core, Birch Faced Door	222.40	43.08
		For Each 1' Of Additional Door Height, Add	*32.70*	
		For >50 To 100, Deduct	*-13.27*	
		For >100, Deduct	*-18.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0004	EA	2'-6" x 7' x 1-3/8" Hollow Core, Birch Faced Door	235.96	45.05
		For Each 1' Of Additional Door Height, Add	*35.01*	
		For >50 To 100, Deduct	*-14.05*	
		For >100, Deduct	*-19.95*	
08 14 16 00-0005	EA	2'-8" x 7' x 1-3/8" Hollow Core, Birch Faced Door	243.06	45.05
		For Each 1' Of Additional Door Height, Add	*36.72*	
		For >50 To 100, Deduct	*-14.41*	
		For >100, Deduct	*-20.48*	
08 14 16 00-0006	EA	3' x 7' x 1-3/8" Hollow Core, Birch Faced Door	249.47	47.00
		For Each 1' Of Additional Door Height, Add	*37.31*	
		For >50 To 100, Deduct	*-14.82*	
		For >100, Deduct	*-21.06*	
08 14 16 00-0007	EA	3'-4" x 7' x 1-3/8" Hollow Core, Birch Faced Door	264.65	47.00
		For Each 1' Of Additional Door Height, Add	*40.96*	
		For >50 To 100, Deduct	*-15.58*	
		For >100, Deduct	*-22.20*	
08 14 16 00-0008	EA	3'-6" x 7' x 1-3/8" Hollow Core, Birch Faced Door	279.49	48.96
		For Each 1' Of Additional Door Height, Add	*43.58*	
		For >50 To 100, Deduct	*-16.42*	
		For >100, Deduct	*-23.41*	
08 14 16 00-0009	PR	Pair 2' x 7' x 1-3/8" Hollow Core, Birch Faced Door	436.18	81.86
		For Each 1' Of Additional Door Height, Add	*65.39*	
		For >50 To 100, Deduct	*-25.90*	
		For >100, Deduct	*-36.81*	
08 14 16 00-0010	PR	Pair 2'-6" x 7' x 1-3/8" Hollow Core, Birch Faced Door	462.92	85.58
		For Each 1' Of Additional Door Height, Add	*70.02*	
		For >50 To 100, Deduct	*-27.43*	
		For >100, Deduct	*-39.00*	
08 14 16 00-0011	PR	Pair 3' x 7' x 1-3/8" Hollow Core, Birch Faced Door	489.53	89.30
		For Each 1' Of Additional Door Height, Add	*74.62*	
		For >50 To 100, Deduct	*-28.94*	
		For >100, Deduct	*-41.18*	

08 14 16 00-0012 Lauan Faced *(08 14 16 00-0001)*

08 14 16 00-0013	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Hollow Core, Lauan Faced Door	188.02	43.08
		For Each 1' Of Additional Door Height, Add	*24.44*	
		For >50 To 100, Deduct	*-11.56*	
		For >100, Deduct	*-16.26*	
08 14 16 00-0014	EA	2'-6" x 7' x 1-3/8" Hollow Core, Lauan Faced Door	198.84	45.05
		For Each 1' Of Additional Door Height, Add	*26.10*	
		For >50 To 100, Deduct	*-12.19*	
		For >100, Deduct	*-17.17*	
08 14 16 00-0015	EA	2'-8" x 7' x 1-3/8" Hollow Core, Lauan Faced Door	204.66	45.05
		For Each 1' Of Additional Door Height, Add	*27.50*	
		For >50 To 100, Deduct	*-12.49*	
		For >100, Deduct	*-17.60*	
08 14 16 00-0016	EA	3' x 7' x 1-3/8" Hollow Core, Lauan Faced Door	212.69	47.00
		For Each 1' Of Additional Door Height, Add	*28.49*	
		For >50 To 100, Deduct	*-12.98*	
		For >100, Deduct	*-18.30*	
08 14 16 00-0017	EA	3'-4" x 7' x 1-3/8" Hollow Core, Lauan Faced Door	224.05	47.00
		For Each 1' Of Additional Door Height, Add	*31.21*	
		For >50 To 100, Deduct	*-13.55*	
		For >100, Deduct	*-19.15*	
08 14 16 00-0018	EA	3'-6" x 7' x 1-3/8" Hollow Core, Lauan Faced Door	236.29	48.96
		For Each 1' Of Additional Door Height, Add	*33.21*	
		For >50 To 100, Deduct	*-14.26*	
		For >100, Deduct	*-20.17*	
08 14 16 00-0019	PR	Pair 2' x 7' x 1-3/8" Hollow Core, Lauan Faced Door	367.43	81.86
		For Each 1' Of Additional Door Height, Add	*48.89*	
		For >50 To 100, Deduct	*-22.46*	
		For >100, Deduct	*-31.65*	
08 14 16 00-0020	PR	Pair 2'-6" x 7' x 1-3/8" Hollow Core, Lauan Faced Door	388.70	85.58
		For Each 1' Of Additional Door Height, Add	*52.21*	
		For >50 To 100, Deduct	*-23.71*	
		For >100, Deduct	*-33.43*	
08 14 16 00-0021	PR	Pair 3' x 7' x 1-3/8" Hollow Core, Lauan Faced Door	416.03	89.30
		For Each 1' Of Additional Door Height, Add	*56.98*	
		For >50 To 100, Deduct	*-25.27*	
		For >100, Deduct	*-35.67*	

08 14 16 00-0022 Tempered Hardboard Faced *(08 14 16 00-0001)*

08 14 16 00-0023	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Hollow Core, Hardboard Faced Door	190.78	43.08
		For Each 1' Of Additional Door Height, Add	*25.11*	
		For >50 To 100, Deduct	*-11.69*	
		For >100, Deduct	*-16.46*	
08 14 16 00-0024	EA	2'-6" x 7' x 1-3/8" Hollow Core, Hardboard Faced Door	202.32	45.05
		For Each 1' Of Additional Door Height, Add	*26.94*	
		For >50 To 100, Deduct	*-12.37*	
		For >100, Deduct	*-17.43*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0025	EA	2'-8" x 7' x 1-3/8" Hollow Core, Hardboard Faced Door	205.94	45.05
		For Each 1' Of Additional Door Height, Add	*27.81*	
		For >50 To 100, Deduct	*-12.55*	
		For >100, Deduct	*-17.70*	
08 14 16 00-0026	EA	3' x 7' x 1-3/8" Hollow Core, Hardboard Faced Door	217.10	47.00
		For Each 1' Of Additional Door Height, Add	*29.54*	
		For >50 To 100, Deduct	*-13.21*	
		For >100, Deduct	*-18.63*	
08 14 16 00-0027	EA	3'-4" x 7' x 1-3/8" Hollow Core, Hardboard Faced Door	230.64	47.00
		For Each 1' Of Additional Door Height, Add	*32.79*	
		For >50 To 100, Deduct	*-13.88*	
		For >100, Deduct	*-19.65*	
08 14 16 00-0028	EA	3'-6" x 7' x 1-3/8" Hollow Core, Hardboard Faced Door	243.29	48.96
		For Each 1' Of Additional Door Height, Add	*34.89*	
		For >50 To 100, Deduct	*-14.61*	
		For >100, Deduct	*-20.69*	
08 14 16 00-0029	PR	Pair 2' x 7' x 1-3/8" Hollow Core, Hardboard Faced Door	372.95	81.86
		For Each 1' Of Additional Door Height, Add	*50.22*	
		For >50 To 100, Deduct	*-22.74*	
		For >100, Deduct	*-32.06*	
08 14 16 00-0030	PR	Pair 2'-6" x 7' x 1-3/8" Hollow Core, Hardboard Faced Door	395.63	85.58
		For Each 1' Of Additional Door Height, Add	*53.87*	
		For >50 To 100, Deduct	*-24.06*	
		For >100, Deduct	*-33.95*	
08 14 16 00-0031	PR	Pair 3' x 7' x 1-3/8" Hollow Core, Hardboard Faced Door	424.80	89.30
		For Each 1' Of Additional Door Height, Add	*59.09*	
		For >50 To 100, Deduct	*-25.71*	
		For >100, Deduct	*-36.33*	

08 14 16 00-0032 Solid Core Doors, 1-3/8" Thick, 5 Ply *(08 14 16)*

08 14 16 00-0033 Birch Faced *(08 14 16 00-0032)*

08 14 16 00-0034	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Solid Core, Birch Faced Door	259.62	43.08
		For 7 Ply Core, Add	*26.02*	
		For Solid Wood Staved Core (Glued Block), Add	*43.36*	
		Note: Not used in conjunction with fire rating >20 minutes.		
		For Machining for Mortise Lock, Add	*35.00*	
		For Each 1' Of Additional Door Height, Add	*41.63*	
		For >50 To 100, Deduct	*-15.14*	
		For >100, Deduct	*-21.63*	
08 14 16 00-0035	EA	2'-6" x 7' x 1-3/8" Solid Core, Birch Faced Door	272.64	45.05
		For 7 Ply Core, Add	*27.38*	
		For Solid Wood Staved Core (Glued Block), Add	*45.64*	
		Note: Not used in conjunction with fire rating >20 minutes.		
		For Machining for Mortise Lock, Add	*35.00*	
		For Each 1' Of Additional Door Height, Add	*43.81*	
		For >50 To 100, Deduct	*-15.88*	
		For >100, Deduct	*-22.70*	
08 14 16 00-0036	EA	2'-8" x 7' x 1-3/8" Solid Core, Birch Faced Door	281.75	45.05
		For 7 Ply Core, Add	*28.75*	
		For Solid Wood Staved Core (Glued Block), Add	*47.92*	
		Note: Not used in conjunction with fire rating >20 minutes.		
		For Machining for Mortise Lock, Add	*35.00*	
		For Each 1' Of Additional Door Height, Add	*46.00*	
		For >50 To 100, Deduct	*-16.34*	
		For >100, Deduct	*-23.38*	
08 14 16 00-0037	EA	3' x 7' x 1-3/8" Solid Core, Birch Faced Door	296.78	47.00
		For 7 Ply Core, Add	*30.42*	
		For Solid Wood Staved Core (Glued Block), Add	*50.70*	
		Note: Not used in conjunction with fire rating >20 minutes.		
		For Machining for Mortise Lock, Add	*35.00*	
		For Each 1' Of Additional Door Height, Add	*48.67*	
		For >50 To 100, Deduct	*-17.19*	
		For >100, Deduct	*-24.61*	
08 14 16 00-0038	EA	3'-4" x 7' x 1-3/8" Solid Core, Birch Faced Door	319.04	47.00
		For 7 Ply Core, Add	*33.76*	
		For Solid Wood Staved Core (Glued Block), Add	*56.26*	
		Note: Not used in conjunction with fire rating >20 minutes.		
		For Machining for Mortise Lock, Add	*35.00*	
		For Each 1' Of Additional Door Height, Add	*54.01*	
		For >50 To 100, Deduct	*-18.30*	
		For >100, Deduct	*-26.28*	
08 14 16 00-0039	EA	3'-6" x 7' x 1-3/8" Solid Core, Birch Faced Door	337.34	48.96
		For 7 Ply Core, Add	*35.91*	
		For Solid Wood Staved Core (Glued Block), Add	*59.86*	
		Note: Not used in conjunction with fire rating >20 minutes.		
		For Machining for Mortise Lock, Add	*35.00*	
		For Each 1' Of Additional Door Height, Add	*57.46*	
		For >50 To 100, Deduct	*-19.32*	
		For >100, Deduct	*-27.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0040	PR	Pair 2' x 7' x 1-3/8" Solid Core, Birch Faced Door	510.61	81.86
		For 7 Ply Core, Add	*52.03*	
		For Solid Wood Staved Core (Glued Block), Add	*86.72*	
		Note: Not used in conjunction with fire rating >20 minutes.		
		For Machining for Mortise Lock, Add	*35.00*	
		For Each 1' Of Additional Door Height, Add	*83.25*	
		For >50 To 100, Deduct	*-29.62*	
		For >100, Deduct	*-42.39*	
08 14 16 00-0041	PR	Pair 2'-6" x 7' x 1-3/8" Solid Core, Birch Faced Door	536.29	85.58
		For 7 Ply Core, Add	*54.77*	
		For Solid Wood Staved Core (Glued Block), Add	*91.28*	
		Note: Not used in conjunction with fire rating >20 minutes.		
		For Machining for Mortise Lock, Add	*35.00*	
		For Each 1' Of Additional Door Height, Add	*87.63*	
		For >50 To 100, Deduct	*-31.09*	
		For >100, Deduct	*-44.50*	
08 14 16 00-0042	PR	Pair 3' x 7' x 1-3/8" Solid Core, Birch Faced Door	584.16	89.30
		For 7 Ply Core, Add	*60.83*	
		For Solid Wood Staved Core (Glued Block), Add	*101.39*	
		Note: Not used in conjunction with fire rating >20 minutes.		
		For Machining for Mortise Lock, Add	*35.00*	
		For Each 1' Of Additional Door Height, Add	*97.33*	
		For >50 To 100, Deduct	*-33.67*	
		For >100, Deduct	*-48.28*	

08 14 16 00-0043 Lauan Faced *(08 14 16 00-0032)*

08 14 16 00-0044	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Solid Core, Lauan Faced Door	215.34	43.08
		For 7 Ply Core, Add	*19.38*	
		For Machining for Mortise Lock, Add	*35.00*	
		For Each 1' Of Additional Door Height, Add	*31.00*	
		For >50 To 100, Deduct	*-12.92*	
		For >100, Deduct	*-18.30*	
08 14 16 00-0045	EA	2'-6" x 7' x 1-3/8" Solid Core, Lauan Faced Door	226.33	45.05
		For 7 Ply Core, Add	*20.44*	
		For Machining for Mortise Lock, Add	*35.00*	
		For Each 1' Of Additional Door Height, Add	*32.70*	
		For >50 To 100, Deduct	*-13.57*	
		For >100, Deduct	*-19.23*	
08 14 16 00-0046	EA	2'-8" x 7' x 1-3/8" Solid Core, Lauan Faced Door	233.45	45.05
		For 7 Ply Core, Add	*21.51*	
		For Machining for Mortise Lock, Add	*35.00*	
		For Each 1' Of Additional Door Height, Add	*34.41*	
		For >50 To 100, Deduct	*-13.92*	
		For >100, Deduct	*-19.76*	
08 14 16 00-0047	EA	3' x 7' x 1-3/8" Solid Core, Lauan Faced Door	244.54	47.00
		For 7 Ply Core, Add	*22.58*	
		For Machining for Mortise Lock, Add	*35.00*	
		For Each 1' Of Additional Door Height, Add	*36.13*	
		For >50 To 100, Deduct	*-14.58*	
		For >100, Deduct	*-20.69*	
08 14 16 00-0048	EA	3'-4" x 7' x 1-3/8" Solid Core, Lauan Faced Door	261.09	47.00
		For 7 Ply Core, Add	*25.06*	
		For Machining for Mortise Lock, Add	*35.00*	
		For Each 1' Of Additional Door Height, Add	*40.10*	
		For >50 To 100, Deduct	*-15.40*	
		For >100, Deduct	*-21.93*	
08 14 16 00-0049	EA	3'-6" x 7' x 1-3/8" Solid Core, Lauan Faced Door	278.08	48.96
		For 7 Ply Core, Add	*27.02*	
		For Machining for Mortise Lock, Add	*35.00*	
		For Each 1' Of Additional Door Height, Add	*43.24*	
		For >50 To 100, Deduct	*-16.35*	
		For >100, Deduct	*-23.30*	
08 14 16 00-0050	PR	Pair 2' x 7' x 1-3/8" Solid Core, Lauan Faced Door	422.08	81.86
		For 7 Ply Core, Add	*38.75*	
		For Machining for Mortise Lock, Add	*35.00*	
		For Each 1' Of Additional Door Height, Add	*62.01*	
		For >50 To 100, Deduct	*-25.20*	
		For >100, Deduct	*-35.75*	
08 14 16 00-0051	PR	Pair 2'-6" x 7' x 1-3/8" Solid Core, Lauan Faced Door	443.67	85.58
		For 7 Ply Core, Add	*40.88*	
		For Machining for Mortise Lock, Add	*35.00*	
		For Each 1' Of Additional Door Height, Add	*65.40*	
		For >50 To 100, Deduct	*-26.46*	
		For >100, Deduct	*-37.55*	
08 14 16 00-0052	PR	Pair 3' x 7' x 1-3/8" Solid Core, Lauan Faced Door	479.67	89.30
		For 7 Ply Core, Add	*45.16*	
		For Machining for Mortise Lock, Add	*35.00*	
		For Each 1' Of Additional Door Height, Add	*72.26*	
		For >50 To 100, Deduct	*-28.45*	
		For >100, Deduct	*-40.44*	

08 14 16 00-0053 Tempered Hardboard Faced *(08 14 16 00-0032)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0054	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Solid Core, Hardboard Faced Door	232.05	43.08
		For Machining for Mortise Lock, Add	*35.00*	
		For Each 1' Of Additional Door Height, Add	*35.01*	
		For >50 To 100, Deduct	*-13.76*	
		For >100, Deduct	*-19.56*	
08 14 16 00-0055	EA	2'-6" x 7' x 1-3/8" Solid Core, Hardboard Faced Door	244.43	45.05
		For Machining for Mortise Lock, Add	*35.00*	
		For Each 1' Of Additional Door Height, Add	*37.04*	
		For >50 To 100, Deduct	*-14.47*	
		For >100, Deduct	*-20.58*	
08 14 16 00-0056	EA	2'-8" x 7' x 1-3/8" Solid Core, Hardboard Faced Door	252.88	45.05
		For Machining for Mortise Lock, Add	*35.00*	
		For Each 1' Of Additional Door Height, Add	*39.07*	
		For >50 To 100, Deduct	*-14.90*	
		For >100, Deduct	*-21.22*	
08 14 16 00-0057	EA	3' x 7' x 1-3/8" Solid Core, Hardboard Faced Door	259.93	47.00
		For Machining for Mortise Lock, Add	*35.00*	
		For Each 1' Of Additional Door Height, Add	*39.82*	
		For >50 To 100, Deduct	*-15.35*	
		For >100, Deduct	*-21.84*	
08 14 16 00-0058	EA	3'-4" x 7' x 1-3/8" Solid Core, Hardboard Faced Door	278.23	47.00
		For Machining for Mortise Lock, Add	*35.00*	
		For Each 1' Of Additional Door Height, Add	*44.22*	
		For >50 To 100, Deduct	*-16.26*	
		For >100, Deduct	*-23.22*	
08 14 16 00-0059	EA	3'-6" x 7' x 1-3/8" Solid Core, Hardboard Faced Door	315.53	48.96
		For Machining for Mortise Lock, Add	*35.00*	
		For Each 1' Of Additional Door Height, Add	*52.23*	
		For >50 To 100, Deduct	*-18.22*	
		For >100, Deduct	*-26.11*	
08 14 16 00-0060	PR	Pair 2' x 7' x 1-3/8" Solid Core, Hardboard Faced Door	455.47	81.86
		For Machining for Mortise Lock, Add	*35.00*	
		For Each 1' Of Additional Door Height, Add	*70.02*	
		For >50 To 100, Deduct	*-26.87*	
		For >100, Deduct	*-38.25*	
08 14 16 00-0061	PR	Pair 2'-6" x 7' x 1-3/8" Solid Core, Hardboard Faced Door	479.83	85.58
		For Machining for Mortise Lock, Add	*35.00*	
		For Each 1' Of Additional Door Height, Add	*74.08*	
		For >50 To 100, Deduct	*-28.27*	
		For >100, Deduct	*-40.27*	
08 14 16 00-0062	PR	Pair 3' x 7' x 1-3/8" Solid Core, Hardboard Faced Door	510.46	89.30
		For Machining for Mortise Lock, Add	*35.00*	
		For Each 1' Of Additional Door Height, Add	*79.65*	
		For >50 To 100, Deduct	*-29.99*	
		For >100, Deduct	*-42.75*	

08 14 16 00-0063 Plastic Laminated Wood Doors *(08 14 16 00-0032)*

08 14 16 00-0064	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Solid Core Wood Plastic Laminated Door	388.31	43.08
		For Machining for Mortise Lock, Add	*35.00*	
		For Each 1' Of Additional Door Height, Add	*72.51*	
		For >50 To 100, Deduct	*-21.57*	
		For >100, Deduct	*-31.28*	
08 14 16 00-0065	EA	2'-6" x 7' x 1-3/8" Solid Core Wood Plastic Laminated Door	408.84	45.05
		For Machining for Mortise Lock, Add	*35.00*	
		For Each 1' Of Additional Door Height, Add	*76.50*	
		For >50 To 100, Deduct	*-22.69*	
		For >100, Deduct	*-32.92*	
08 14 16 00-0066	EA	2'-8" x 7' x 1-3/8" Solid Core Wood Plastic Laminated Door	425.45	45.05
		For Machining for Mortise Lock, Add	*35.00*	
		For Each 1' Of Additional Door Height, Add	*80.49*	
		For >50 To 100, Deduct	*-23.52*	
		For >100, Deduct	*-34.16*	
08 14 16 00-0067	EA	3' x 7' x 1-3/8" Solid Core Wood Plastic Laminated Door	446.09	47.00
		For Machining for Mortise Lock, Add	*35.00*	
		For Each 1' Of Additional Door Height, Add	*84.50*	
		For >50 To 100, Deduct	*-24.65*	
		For >100, Deduct	*-35.81*	
08 14 16 00-0068	EA	3'-4" x 7' x 1-3/8" Solid Core Wood Plastic Laminated Door	484.81	47.00
		For Machining for Mortise Lock, Add	*35.00*	
		For Each 1' Of Additional Door Height, Add	*93.79*	
		For >50 To 100, Deduct	*-26.59*	
		For >100, Deduct	*-38.71*	
08 14 16 00-0069	EA	3'-6" x 7' x 1-3/8" Solid Core Wood Plastic Laminated Door	513.74	48.96
		For Machining for Mortise Lock, Add	*35.00*	
		For Each 1' Of Additional Door Height, Add	*99.80*	
		For >50 To 100, Deduct	*-28.14*	
		For >100, Deduct	*-40.98*	
08 14 16 00-0070	PR	Pair 2' x 7' x 1-3/8" Solid Core Wood Plastic Laminated Door	768.01	81.86
		For Machining for Mortise Lock, Add	*35.00*	
		For Each 1' Of Additional Door Height, Add	*145.03*	
		For >50 To 100, Deduct	*-42.49*	
		For >100, Deduct	*-61.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0071	PR	Pair 2'-6" x 7' x 1-3/8" Solid Core Wood Plastic Laminated Door	808.61	85.58
		For Machining for Mortise Lock, Add	*35.00*	
		For Each 1' Of Additional Door Height, Add	*152.99*	
		For >50 To 100, Deduct	*-44.71*	
		For >100, Deduct	*-64.92*	
08 14 16 00-0072	PR	Pair 3' x 7' x 1-3/8" Solid Core Wood Plastic Laminated Door	882.79	89.30
		For Machining for Mortise Lock, Add	*35.00*	
		For Each 1' Of Additional Door Height, Add	*169.01*	
		For >50 To 100, Deduct	*-48.60*	
		For >100, Deduct	*-70.67*	

08 14 16 00-0073 Hollow Core Doors, 1-3/4" Thick *(08 14 16)*

08 14 16 00-0074 Birch Faced *(08 14 16 00-0073)*

08 14 16 00-0075	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Hollow Core, Birch Faced Door	256.44	43.08
		For Each 1' Of Additional Door Height, Add	*40.86*	
		For >50 To 100, Deduct	*-14.98*	
		For >100, Deduct	*-21.39*	
08 14 16 00-0076	EA	2'-6" x 7' x 1-3/4" Hollow Core, Birch Faced Door	266.76	45.05
		For Each 1' Of Additional Door Height, Add	*42.40*	
		For >50 To 100, Deduct	*-15.59*	
		For >100, Deduct	*-22.26*	
08 14 16 00-0077	EA	2'-8" x 7' x 1-3/4" Hollow Core, Birch Faced Door	269.16	45.05
		For Each 1' Of Additional Door Height, Add	*42.98*	
		For >50 To 100, Deduct	*-15.71*	
		For >100, Deduct	*-22.44*	
08 14 16 00-0078	EA	3' x 7' x 1-3/4" Hollow Core, Birch Faced Door	283.54	47.00
		For Each 1' Of Additional Door Height, Add	*45.49*	
		For >50 To 100, Deduct	*-16.53*	
		For >100, Deduct	*-23.62*	
08 14 16 00-0079	EA	3'-4" x 7' x 1-3/4" Hollow Core, Birch Faced Door	311.35	47.00
		For Each 1' Of Additional Door Height, Add	*52.16*	
		For >50 To 100, Deduct	*-17.92*	
		For >100, Deduct	*-25.70*	
08 14 16 00-0080	EA	3'-6" x 7' x 1-3/4" Hollow Core, Birch Faced Door	371.68	48.96
		For Each 1' Of Additional Door Height, Add	*65.70*	
		For >50 To 100, Deduct	*-21.03*	
		For >100, Deduct	*-30.32*	
08 14 16 00-0081	PR	Pair 2'-6" x 7' x 1-3/4" Hollow Core, Birch Faced Door	504.27	81.86
		For Each 1' Of Additional Door Height, Add	*81.73*	
		For >50 To 100, Deduct	*-29.31*	
		For >100, Deduct	*-41.91*	
08 14 16 00-0082	PR	Pair 2'-6" x 7' x 1-3/4" Hollow Core, Birch Faced Door	524.55	85.58
		For Each 1' Of Additional Door Height, Add	*84.81*	
		For >50 To 100, Deduct	*-30.51*	
		For >100, Deduct	*-43.62*	
08 14 16 00-0083	PR	Pair 3' x 7' x 1-3/4" Hollow Core, Birch Faced Door	557.68	89.30
		For Each 1' Of Additional Door Height, Add	*90.98*	
		For >50 To 100, Deduct	*-32.35*	
		For >100, Deduct	*-46.29*	

08 14 16 00-0084 Lauan Faced *(08 14 16 00-0073)*

08 14 16 00-0085	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Hollow Core, Lauan Faced Door	215.56	43.08
		For Each 1' Of Additional Door Height, Add	*31.05*	
		For >50 To 100, Deduct	*-12.93*	
		For >100, Deduct	*-18.32*	
08 14 16 00-0086	EA	2'-6" x 7' x 1-3/4" Hollow Core, Lauan Faced Door	228.38	45.05
		For Each 1' Of Additional Door Height, Add	*33.19*	
		For >50 To 100, Deduct	*-13.67*	
		For >100, Deduct	*-19.38*	
08 14 16 00-0087	EA	2'-8" x 7' x 1-3/4" Hollow Core, Lauan Faced Door	235.62	45.05
		For Each 1' Of Additional Door Height, Add	*34.93*	
		For >50 To 100, Deduct	*-14.03*	
		For >100, Deduct	*-19.92*	
08 14 16 00-0088	EA	3' x 7' x 1-3/4" Hollow Core, Lauan Faced Door	242.40	47.00
		For Each 1' Of Additional Door Height, Add	*35.62*	
		For >50 To 100, Deduct	*-14.47*	
		For >100, Deduct	*-20.53*	
08 14 16 00-0089	EA	3'-4" x 7' x 1-3/4" Hollow Core, Lauan Faced Door	258.72	47.00
		For Each 1' Of Additional Door Height, Add	*39.53*	
		For >50 To 100, Deduct	*-15.29*	
		For >100, Deduct	*-21.75*	
08 14 16 00-0090	EA	3'-6" x 7' x 1-3/4" Hollow Core, Lauan Faced Door	283.66	48.96
		For Each 1' Of Additional Door Height, Add	*44.58*	
		For >50 To 100, Deduct	*-16.63*	
		For >100, Deduct	*-23.72*	
08 14 16 00-0091	PR	Pair 2'-6" x 7' x 1-3/4" Hollow Core, Lauan Faced Door	422.49	81.86
		For Each 1' Of Additional Door Height, Add	*62.10*	
		For >50 To 100, Deduct	*-25.22*	
		For >100, Deduct	*-35.78*	
08 14 16 00-0092	PR	Pair 2'-6" x 7' x 1-3/4" Hollow Core, Lauan Faced Door	447.79	85.58
		For Each 1' Of Additional Door Height, Add	*66.39*	
		For >50 To 100, Deduct	*-26.67*	
		For >100, Deduct	*-37.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0093	PR	Pair 3' x 7' x 1-3/4" Hollow Core, Lauan Faced Door	475.37	89.30
		For Each 1' Of Additional Door Height, Add	*71.22*	
		For >50 To 100, Deduct	*-28.23*	
		For >100, Deduct	*-40.12*	

08 14 16 00-0094 Tempered Hardboard *(08 14 16 00-0073)*

08 14 16 00-0095	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Hollow Core, Hardboard Faced Door	216.51	43.08
		For Each 1' Of Additional Door Height, Add	*31.28*	
		For >50 To 100, Deduct	*-12.98*	
		For >100, Deduct	*-18.39*	
08 14 16 00-0096	EA	2'-6" x 7' x 1-3/4" Hollow Core, Hardboard Faced Door	224.03	45.05
		For Each 1' Of Additional Door Height, Add	*32.15*	
		For >50 To 100, Deduct	*-13.45*	
		For >100, Deduct	*-19.05*	
08 14 16 00-0097	EA	2'-8" x 7' x 1-3/4" Hollow Core, Hardboard Faced Door	231.30	45.05
		For Each 1' Of Additional Door Height, Add	*33.89*	
		For >50 To 100, Deduct	*-13.82*	
		For >100, Deduct	*-19.60*	
08 14 16 00-0098	EA	3' x 7' x 1-3/4" Hollow Core, Hardboard Faced Door	242.44	47.00
		For Each 1' Of Additional Door Height, Add	*35.63*	
		For >50 To 100, Deduct	*-14.47*	
		For >100, Deduct	*-20.53*	
08 14 16 00-0099	EA	3'-4" x 7' x 1-3/4" Hollow Core, Hardboard Faced Door	250.72	47.00
		For Each 1' Of Additional Door Height, Add	*37.61*	
		For >50 To 100, Deduct	*-14.89*	
		For >100, Deduct	*-21.15*	
08 14 16 00-0100	EA	3'-6" x 7' x 1-3/4" Hollow Core, Hardboard Faced Door	281.57	48.96
		For Each 1' Of Additional Door Height, Add	*44.08*	
		For >50 To 100, Deduct	*-16.53*	
		For >100, Deduct	*-23.57*	
08 14 16 00-0101	PR	Pair 2' x 7' x 1-3/4" Hollow Core, Hardboard Faced Door	424.39	81.86
		For Each 1' Of Additional Door Height, Add	*62.56*	
		For >50 To 100, Deduct	*-25.31*	
		For >100, Deduct	*-35.92*	
08 14 16 00-0102	PR	Pair 2'-6" x 7' x 1-3/4" Hollow Core, Hardboard Faced Door	439.07	85.58
		For Each 1' Of Additional Door Height, Add	*64.30*	
		For >50 To 100, Deduct	*-26.23*	
		For >100, Deduct	*-37.21*	
08 14 16 00-0103	PR	Pair 3' x 7' x 1-3/4" Hollow Core, Hardboard Faced Door	475.49	89.30
		For Each 1' Of Additional Door Height, Add	*71.25*	
		For >50 To 100, Deduct	*-28.24*	
		For >100, Deduct	*-40.13*	

08 14 16 00-0104 Oak Or Maple Faced *(08 14 16 00-0073)*

08 14 16 00-0105	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Hollow Core, Oak Or Maple Faced Door	310.21	43.08
		For Each 1' Of Additional Door Height, Add	*53.77*	
		For >50 To 100, Deduct	*-17.66*	
		For >100, Deduct	*-25.42*	
08 14 16 00-0106	EA	2'-6" x 7' x 1-3/4" Hollow Core, Oak Or Maple Faced Door	322.55	45.05
		For Each 1' Of Additional Door Height, Add	*55.79*	
		For >50 To 100, Deduct	*-18.38*	
		For >100, Deduct	*-26.44*	
08 14 16 00-0107	EA	2'-8" x 7' x 1-3/4" Hollow Core, Oak Or Maple Faced Door	325.70	45.05
		For Each 1' Of Additional Door Height, Add	*56.55*	
		For >50 To 100, Deduct	*-18.54*	
		For >100, Deduct	*-26.68*	
08 14 16 00-0108	EA	3' x 7' x 1-3/4" Hollow Core, Oak Or Maple Faced Door	343.39	47.00
		For Each 1' Of Additional Door Height, Add	*59.85*	
		For >50 To 100, Deduct	*-19.52*	
		For >100, Deduct	*-28.10*	
08 14 16 00-0109	EA	3'-4" x 7' x 1-3/4" Hollow Core, Oak Or Maple Faced Door	379.97	47.00
		For Each 1' Of Additional Door Height, Add	*68.63*	
		For >50 To 100, Deduct	*-21.35*	
		For >100, Deduct	*-30.85*	
08 14 16 00-0110	EA	3'-6" x 7' x 1-3/4" Hollow Core, Oak Or Maple Faced Door	458.13	48.96
		For Each 1' Of Additional Door Height, Add	*86.45*	
		For >50 To 100, Deduct	*-25.35*	
		For >100, Deduct	*-36.81*	
08 14 16 00-0111	PR	Pair 2' x 7' x 1-3/4" Hollow Core, Oak Or Maple Faced Door	611.79	81.86
		For Each 1' Of Additional Door Height, Add	*107.54*	
		For >50 To 100, Deduct	*-34.68*	
		For >100, Deduct	*-49.98*	
08 14 16 00-0112	PR	Pair 2'-6" x 7' x 1-3/4" Hollow Core, Oak Or Maple Faced Door	636.14	85.58
		For Each 1' Of Additional Door Height, Add	*111.60*	
		For >50 To 100, Deduct	*-36.09*	
		For >100, Deduct	*-51.99*	
08 14 16 00-0113	PR	Pair 3' x 7' x 1-3/4" Hollow Core, Oak Or Maple Faced Door	677.39	89.30
		For Each 1' Of Additional Door Height, Add	*119.71*	
		For >50 To 100, Deduct	*-38.33*	
		For >100, Deduct	*-55.27*	

08 14 16 00-0114 Walnut Faced *(08 14 16 00-0073)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0115	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Hollow Core, Walnut Faced Door	389.68	43.08
		For Each 1' Of Additional Door Height, Add	*72.84*	
		For >50 To 100, Deduct	*-21.64*	
		For >100, Deduct	*-31.38*	
08 14 16 00-0116	EA	2'-6" x 7' x 1-3/4" Hollow Core, Walnut Faced Door	395.72	45.05
		For Each 1' Of Additional Door Height, Add	*73.35*	
		For >50 To 100, Deduct	*-22.04*	
		For >100, Deduct	*-31.93*	
08 14 16 00-0117	EA	2'-8" x 7' x 1-3/4" Hollow Core, Walnut Faced Door	409.16	45.05
		For Each 1' Of Additional Door Height, Add	*76.58*	
		For >50 To 100, Deduct	*-22.71*	
		For >100, Deduct	*-32.94*	
08 14 16 00-0118	EA	3' x 7' x 1-3/4" Hollow Core, Walnut Faced Door	417.20	47.00
		For Each 1' Of Additional Door Height, Add	*77.57*	
		For >50 To 100, Deduct	*-23.21*	
		For >100, Deduct	*-33.64*	
08 14 16 00-0119	EA	3'-4" x 7' x 1-3/4" Hollow Core, Walnut Faced Door	453.26	47.00
		For Each 1' Of Additional Door Height, Add	*86.22*	
		For >50 To 100, Deduct	*-25.01*	
		For >100, Deduct	*-36.34*	
08 14 16 00-0120	EA	3'-6" x 7' x 1-3/4" Hollow Core, Walnut Faced Door	550.32	48.96
		For Each 1' Of Additional Door Height, Add	*108.58*	
		For >50 To 100, Deduct	*-29.96*	
		For >100, Deduct	*-43.72*	
08 14 16 00-0121	PR	Pair 2' x 7' x 1-3/4" Hollow Core, Walnut Faced Door	770.47	81.86
		For Each 1' Of Additional Door Height, Add	*145.62*	
		For >50 To 100, Deduct	*-42.62*	
		For >100, Deduct	*-61.88*	
08 14 16 00-0122	PR	Pair 2'-6" x 7' x 1-3/4" Hollow Core, Walnut Faced Door	782.44	85.58
		For Each 1' Of Additional Door Height, Add	*146.71*	
		For >50 To 100, Deduct	*-43.40*	
		For >100, Deduct	*-62.96*	
08 14 16 00-0123	PR	Pair 3' x 7' x 1-3/4" Hollow Core, Walnut Faced Door	825.01	89.30
		For Each 1' Of Additional Door Height, Add	*155.14*	
		For >50 To 100, Deduct	*-45.72*	
		For >100, Deduct	*-66.34*	

08 14 16 00-0124 Solid Core Doors, 1-3/4" Thick, 5 Ply *(08 14 16)*

08 14 16 00-0125 Birch Faced *(08 14 16 00-0124)*

08 14 16 00-0126	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Solid Core, Birch Faced Door	297.29	43.08
		For 7 Ply Core, Add	*31.67*	
		For Solid Wood Staved Core (Glued Block), Add	*52.78*	
		Note: Not used in conjunction with fire rating >20 minutes.		
		For Exterior Grade Door, Add	*57.09*	
		For Machining for Mortise Lock, Add	*35.00*	
		For Commercial Grade 20 Minute Fire Rated Door, Add	*25.33*	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	*114.00*	
		For Commercial Grade 1 Hour Fire Rated Door, Add	*158.34*	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	*253.34*	
		For Each 1' Of Additional Door Height, Add	*50.67*	
		For >50 To 100, Deduct	*-17.02*	
		For >100, Deduct	*-24.45*	
08 14 16 00-0127	EA	2'-6" x 7' x 1-3/4" Solid Core, Birch Faced Door	290.08	45.05
		For 7 Ply Core, Add	*30.00*	
		For Solid Wood Staved Core (Glued Block), Add	*50.00*	
		Note: Not used in conjunction with fire rating >20 minutes.		
		For Exterior Grade Door, Add	*54.50*	
		For Machining for Mortise Lock, Add	*35.00*	
		For Commercial Grade 20 Minute Fire Rated Door, Add	*24.00*	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	*108.00*	
		For Commercial Grade 1 Hour Fire Rated Door, Add	*150.00*	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	*240.00*	
		For Each 1' Of Additional Door Height, Add	*48.00*	
		For >50 To 100, Deduct	*-16.76*	
		For >100, Deduct	*-24.01*	
08 14 16 00-0128	EA	2'-8" x 7' x 1-3/4" Solid Core, Birch Faced Door	298.42	45.05
		For 7 Ply Core, Add	*31.25*	
		For Solid Wood Staved Core (Glued Block), Add	*52.09*	
		Note: Not used in conjunction with fire rating >20 minutes.		
		For Exterior Grade Door, Add	*56.59*	
		For Machining for Mortise Lock, Add	*35.00*	
		For Commercial Grade 20 Minute Fire Rated Door, Add	*25.00*	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	*112.50*	
		For Commercial Grade 1 Hour Fire Rated Door, Add	*156.26*	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	*250.01*	
		For Each 1' Of Additional Door Height, Add	*50.00*	
		For >50 To 100, Deduct	*-17.17*	
		For >100, Deduct	*-24.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0129	EA	3' x 7' x 1-3/4" Solid Core, Birch Faced Door	313.45	47.00
		For 7 Ply Core, Add	*32.92*	
		For Solid Wood Staved Core (Glued Block), Add	*54.86*	
		Note: Not used in conjunction with fire rating >20 minutes.		
		For Exterior Grade Door, Add	*59.56*	
		For Machining for Mortise Lock, Add	*35.00*	
		For Commercial Grade 20 Minute Fire Rated Door, Add	*26.33*	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	*118.50*	
		For Commercial Grade 1 Hour Fire Rated Door, Add	*164.59*	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	*263.34*	
		For Each 1' Of Additional Door Height, Add	*52.67*	
		For >50 To 100, Deduct	*-18.02*	
		For >100, Deduct	*-25.86*	
08 14 16 00-0130	EA	3'-4" x 7' x 1-3/4" Solid Core, Birch Faced Door	337.59	47.00
		For 7 Ply Core, Add	*36.54*	
		For Solid Wood Staved Core (Glued Block), Add	*60.90*	
		Note: Not used in conjunction with fire rating >20 minutes.		
		For Exterior Grade Door, Add	*65.60*	
		For Machining for Mortise Lock, Add	*35.00*	
		For Commercial Grade 20 Minute Fire Rated Door, Add	*29.23*	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	*131.54*	
		For Commercial Grade 1 Hour Fire Rated Door, Add	*182.69*	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	*292.31*	
		For Each 1' Of Additional Door Height, Add	*58.46*	
		For >50 To 100, Deduct	*-19.23*	
		For >100, Deduct	*-27.67*	
08 14 16 00-0131	EA	3'-6" x 7' x 1-3/4" Solid Core, Birch Faced Door	393.67	48.96
		For 7 Ply Core, Add	*44.36*	
		For Solid Wood Staved Core (Glued Block), Add	*73.94*	
		Note: Not used in conjunction with fire rating >20 minutes.		
		For Exterior Grade Door, Add	*78.83*	
		For Machining for Mortise Lock, Add	*35.00*	
		For Commercial Grade 20 Minute Fire Rated Door, Add	*35.49*	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	*159.71*	
		For Commercial Grade 1 Hour Fire Rated Door, Add	*221.81*	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	*354.90*	
		For Each 1' Of Additional Door Height, Add	*70.98*	
		For >50 To 100, Deduct	*-22.13*	
		For >100, Deduct	*-31.97*	
08 14 16 00-0132	PR	Pair 2' x 7' x 1-3/4" Solid Core, Birch Faced Door	585.96	81.86
		For 7 Ply Core, Add	*63.34*	
		For Solid Wood Staved Core (Glued Block), Add	*105.56*	
		Note: Not used in conjunction with fire rating >20 minutes.		
		For Exterior Grade Door, Add	*113.75*	
		For Machining for Mortise Lock, Add	*35.00*	
		For Commercial Grade 20 Minute Fire Rated Door, Add	*50.67*	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	*228.01*	
		For Commercial Grade 1 Hour Fire Rated Door, Add	*316.68*	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	*506.69*	
		For Each 1' Of Additional Door Height, Add	*101.34*	
		For >50 To 100, Deduct	*-33.39*	
		For >100, Deduct	*-48.04*	
08 14 16 00-0133	PR	Pair 2'-6" x 7' x 1-3/4" Solid Core, Birch Faced Door	571.16	85.58
		For 7 Ply Core, Add	*60.00*	
		For Solid Wood Staved Core (Glued Block), Add	*100.00*	
		Note: Not used in conjunction with fire rating >20 minutes.		
		For Exterior Grade Door, Add	*108.56*	
		For Machining for Mortise Lock, Add	*35.00*	
		For Commercial Grade 20 Minute Fire Rated Door, Add	*48.00*	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	*216.00*	
		For Commercial Grade 1 Hour Fire Rated Door, Add	*300.00*	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	*480.00*	
		For Each 1' Of Additional Door Height, Add	*96.00*	
		For >50 To 100, Deduct	*-32.84*	
		For >100, Deduct	*-47.12*	
08 14 16 00-0134	PR	Pair 3' x 7' x 1-3/4" Solid Core, Birch Faced Door	617.50	89.30
		For 7 Ply Core, Add	*65.84*	
		For Solid Wood Staved Core (Glued Block), Add	*109.73*	
		Note: Not used in conjunction with fire rating >20 minutes.		
		For Exterior Grade Door, Add	*118.66*	
		For Machining for Mortise Lock, Add	*35.00*	
		For Commercial Grade 20 Minute Fire Rated Door, Add	*52.67*	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	*237.01*	
		For Commercial Grade 1 Hour Fire Rated Door, Add	*329.18*	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	*526.68*	
		For Each 1' Of Additional Door Height, Add	*105.34*	
		For >50 To 100, Deduct	*-35.34*	
		For >100, Deduct	*-50.78*	

08 14 16 00-0135 Lauan Faced *(08 14 16 00-0124)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0136	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Solid Core, Lauan Faced Door	262.00	43.08
		For 7 Ply Core, Add	*26.37*	
		For Machining for Mortise Lock, Add	*35.00*	
		For Commercial Grade 20 Minute Fire Rated Door, Add	*21.10*	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	*94.95*	
		For Commercial Grade 1 Hour Fire Rated Door, Add	*131.87*	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	*211.00*	
		For Each 1' Of Additional Door Height, Add	*42.20*	
		For >50 To 100, Deduct	*-15.25*	
		For >100, Deduct	*-21.80*	
08 14 16 00-0137	EA	2'-6" x 7' x 1-3/4" Solid Core, Lauan Faced Door	266.42	45.05
		For 7 Ply Core, Add	*26.45*	
		For Machining for Mortise Lock, Add	*35.00*	
		For Commercial Grade 20 Minute Fire Rated Door, Add	*21.16*	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	*95.22*	
		For Commercial Grade 1 Hour Fire Rated Door, Add	*132.26*	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	*211.61*	
		For Each 1' Of Additional Door Height, Add	*42.32*	
		For >50 To 100, Deduct	*-15.57*	
		For >100, Deduct	*-22.23*	
08 14 16 00-0138	EA	2'-8" x 7' x 1-3/4" Solid Core, Lauan Faced Door	271.48	45.05
		For 7 Ply Core, Add	*27.21*	
		For Machining for Mortise Lock, Add	*35.00*	
		For Commercial Grade 20 Minute Fire Rated Door, Add	*21.77*	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	*97.96*	
		For Commercial Grade 1 Hour Fire Rated Door, Add	*136.05*	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	*217.68*	
		For Each 1' Of Additional Door Height, Add	*43.54*	
		For >50 To 100, Deduct	*-15.83*	
		For >100, Deduct	*-22.61*	
08 14 16 00-0139	EA	3' x 7' x 1-3/4" Solid Core, Lauan Faced Door	279.07	47.00
		For 7 Ply Core, Add	*27.76*	
		For Machining for Mortise Lock, Add	*35.00*	
		For Commercial Grade 20 Minute Fire Rated Door, Add	*22.21*	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	*99.94*	
		For Commercial Grade 1 Hour Fire Rated Door, Add	*138.80*	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	*222.08*	
		For Each 1' Of Additional Door Height, Add	*44.42*	
		For >50 To 100, Deduct	*-16.30*	
		For >100, Deduct	*-23.28*	
08 14 16 00-0140	EA	3'-4" x 7' x 1-3/4" Solid Core, Lauan Faced Door	295.80	47.00
		For 7 Ply Core, Add	*30.27*	
		For Machining for Mortise Lock, Add	*35.00*	
		For Commercial Grade 20 Minute Fire Rated Door, Add	*24.22*	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	*108.97*	
		For Commercial Grade 1 Hour Fire Rated Door, Add	*151.35*	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	*242.16*	
		For Each 1' Of Additional Door Height, Add	*48.43*	
		For >50 To 100, Deduct	*-17.14*	
		For >100, Deduct	*-24.54*	
08 14 16 00-0141	EA	3'-6" x 7' x 1-3/4" Solid Core, Lauan Faced Door	314.11	48.96
		For 7 Ply Core, Add	*32.43*	
		For Machining for Mortise Lock, Add	*35.00*	
		For Commercial Grade 20 Minute Fire Rated Door, Add	*25.94*	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	*116.74*	
		For Commercial Grade 1 Hour Fire Rated Door, Add	*162.14*	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	*259.43*	
		For Each 1' Of Additional Door Height, Add	*51.89*	
		For >50 To 100, Deduct	*-18.15*	
		For >100, Deduct	*-26.01*	
08 14 16 00-0142	PR	Pair 2' x 7' x 1-3/4" Solid Core, Lauan Faced Door	515.38	81.86
		For 7 Ply Core, Add	*52.75*	
		For Machining for Mortise Lock, Add	*35.00*	
		For Commercial Grade 20 Minute Fire Rated Door, Add	*42.20*	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	*189.90*	
		For Commercial Grade 1 Hour Fire Rated Door, Add	*263.75*	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	*421.99*	
		For Each 1' Of Additional Door Height, Add	*84.40*	
		For >50 To 100, Deduct	*-29.86*	
		For >100, Deduct	*-42.75*	
08 14 16 00-0143	PR	Pair 2'-6" x 7' x 1-3/4" Solid Core, Lauan Faced Door	523.86	85.58
		For 7 Ply Core, Add	*52.91*	
		For Machining for Mortise Lock, Add	*35.00*	
		For Commercial Grade 20 Minute Fire Rated Door, Add	*42.32*	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	*190.46*	
		For Commercial Grade 1 Hour Fire Rated Door, Add	*264.53*	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	*423.24*	
		For Each 1' Of Additional Door Height, Add	*84.65*	
		For >50 To 100, Deduct	*-30.47*	
		For >100, Deduct	*-43.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0144	PR	Pair 3' x 7' x 1-3/4" Solid Core, Lauan Faced Door	548.77	89.30
		For 7 Ply Core, Add	*55.53*	
		For Machining for Mortise Lock, Add	*35.00*	
		For Commercial Grade 20 Minute Fire Rated Door, Add	*44.42*	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	*199.89*	
		For Commercial Grade 1 Hour Fire Rated Door, Add	*277.63*	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	*444.20*	
		For Each 1' Of Additional Door Height, Add	*88.84*	
		For >50 To 100, Deduct	*-31.90*	
		For >100, Deduct	*-45.62*	
08 14 16 00-0145		Plastic Laminated *(08 14 16 00-0124)*		
08 14 16 00-0146	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Solid Core Plastic Laminated Door	600.92	43.08
		For Machining for Mortise Lock, Add	*35.00*	
		For Commercial Grade 20 Minute Fire Rated Door, Add	*61.77*	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	*277.97*	
		For Commercial Grade 1 Hour Fire Rated Door, Add	*386.06*	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	*617.70*	
		For Each 1' Of Additional Door Height, Add	*123.54*	
		For >50 To 100, Deduct	*-32.20*	
		For >100, Deduct	*-47.22*	
08 14 16 00-0147	EA	2'-6" x 7' x 1-3/4" Solid Core Plastic Laminated Door	620.92	45.05
		For Machining for Mortise Lock, Add	*35.00*	
		For Commercial Grade 20 Minute Fire Rated Door, Add	*63.70*	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	*286.65*	
		For Commercial Grade 1 Hour Fire Rated Door, Add	*398.13*	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	*637.01*	
		For Each 1' Of Additional Door Height, Add	*127.40*	
		For >50 To 100, Deduct	*-33.30*	
		For >100, Deduct	*-48.82*	
08 14 16 00-0148	EA	2'-8" x 7' x 1-3/4" Solid Core Plastic Laminated Door	620.92	45.05
		For Machining for Mortise Lock, Add	*35.00*	
		For Commercial Grade 20 Minute Fire Rated Door, Add	*63.70*	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	*286.65*	
		For Commercial Grade 1 Hour Fire Rated Door, Add	*398.13*	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	*637.01*	
		For Each 1' Of Additional Door Height, Add	*127.40*	
		For >50 To 100, Deduct	*-33.30*	
		For >100, Deduct	*-48.82*	
08 14 16 00-0149	EA	3'-0" x 7' x 1-3/4" Solid Core Plastic Laminated Door	688.60	47.00
		For Machining for Mortise Lock, Add	*35.00*	
		For Commercial Grade 20 Minute Fire Rated Door, Add	*71.35*	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	*321.08*	
		For Commercial Grade 1 Hour Fire Rated Door, Add	*445.95*	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	*713.52*	
		For Each 1' Of Additional Door Height, Add	*142.70*	
		For >50 To 100, Deduct	*-36.78*	
		For >100, Deduct	*-54.00*	
08 14 16 00-0150	EA	3'-4" x 7' x 1-3/4" Solid Core Plastic Laminated Door	721.16	47.00
		For Machining for Mortise Lock, Add	*35.00*	
		For Commercial Grade 20 Minute Fire Rated Door, Add	*75.26*	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	*338.67*	
		For Commercial Grade 1 Hour Fire Rated Door, Add	*470.37*	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	*752.59*	
		For Each 1' Of Additional Door Height, Add	*150.52*	
		For >50 To 100, Deduct	*-38.41*	
		For >100, Deduct	*-56.44*	
08 14 16 00-0151	EA	3'-6" x 7' x 1-3/4" Solid Core Plastic Laminated Door	741.36	48.96
		For Machining for Mortise Lock, Add	*35.00*	
		For Commercial Grade 20 Minute Fire Rated Door, Add	*77.21*	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	*347.46*	
		For Commercial Grade 1 Hour Fire Rated Door, Add	*482.58*	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	*772.13*	
		For Each 1' Of Additional Door Height, Add	*154.43*	
		For >50 To 100, Deduct	*-39.52*	
		For >100, Deduct	*-58.05*	
08 14 16 00-0152	PR	Pair 2' x 7' x 1-3/4" Solid Core Plastic Laminated Door	1,193.22	81.86
		For Machining for Mortise Lock, Add	*35.00*	
		For Commercial Grade 20 Minute Fire Rated Door, Add	*123.54*	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	*555.93*	
		For Commercial Grade 1 Hour Fire Rated Door, Add	*772.13*	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	*1,235.40*	
		For Each 1' Of Additional Door Height, Add	*247.08*	
		For >50 To 100, Deduct	*-63.75*	
		For >100, Deduct	*-93.58*	
08 14 16 00-0153	PR	Pair 2'-6" x 7' x 1-3/4" Solid Core Plastic Laminated Door	1,232.82	85.58
		For Machining for Mortise Lock, Add	*35.00*	
		For Commercial Grade 20 Minute Fire Rated Door, Add	*127.40*	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	*573.30*	
		For Commercial Grade 1 Hour Fire Rated Door, Add	*796.25*	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	*1,273.99*	
		For Each 1' Of Additional Door Height, Add	*254.80*	
		For >50 To 100, Deduct	*-65.92*	
		For >100, Deduct	*-96.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0154	PR	Pair 3' x 7' x 1-3/4" Solid Core Plastic Laminated Door	1,367.79	89.30
		For Machining for Mortise Lock, Add	*35.00*	
		For Commercial Grade 20 Minute Fire Rated Door, Add	*142.70*	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	*642.16*	
		For Commercial Grade 1 Hour Fire Rated Door, Add	*891.89*	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	*1,427.03*	
		For Each 1' Of Additional Door Height, Add	*285.41*	
		For >50 To 100, Deduct	*-72.85*	
		For >100, Deduct	*-107.05*	
08 14 16 00-0155		Oak Or Maple Faced *(08 14 16 00-0124)*		
08 14 16 00-0156	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Solid Core, Oak Or Maple Faced Door	371.32	43.08
		For 7 Ply Core, Add	*42.77*	
		For Solid Wood Staved Core (Glued Block), Add	*71.29*	
		Note: Not used in conjunction with fire rating >20 minutes.		
		For Exterior Grade Door, Add	*75.60*	
		For Machining for Mortise Lock, Add	*35.00*	
		For Commercial Grade 20 Minute Fire Rated Door, Add	*34.22*	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	*153.98*	
		For Commercial Grade 1 Hour Fire Rated Door, Add	*213.86*	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	*342.18*	
		For Each 1' Of Additional Door Height, Add	*68.44*	
		For >50 To 100, Deduct	*-20.72*	
		For >100, Deduct	*-30.00*	
08 14 16 00-0157	EA	2'-6" x 7' x 1-3/4" Solid Core, Oak Or Maple Faced Door	375.23	45.05
		For 7 Ply Core, Add	*42.77*	
		For Solid Wood Staved Core (Glued Block), Add	*71.29*	
		Note: Not used in conjunction with fire rating >20 minutes.		
		For Exterior Grade Door, Add	*75.79*	
		For Machining for Mortise Lock, Add	*35.00*	
		For Commercial Grade 20 Minute Fire Rated Door, Add	*34.22*	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	*153.98*	
		For Commercial Grade 1 Hour Fire Rated Door, Add	*213.86*	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	*342.18*	
		For Each 1' Of Additional Door Height, Add	*68.44*	
		For >50 To 100, Deduct	*-21.01*	
		For >100, Deduct	*-30.39*	
08 14 16 00-0158	EA	2'-8" x 7' x 1-3/4" Solid Core, Oak Or Maple Faced Door	378.15	45.05
		For 7 Ply Core, Add	*43.21*	
		For Solid Wood Staved Core (Glued Block), Add	*72.02*	
		Note: Not used in conjunction with fire rating >20 minutes.		
		For Exterior Grade Door, Add	*76.52*	
		For Machining for Mortise Lock, Add	*35.00*	
		For Commercial Grade 20 Minute Fire Rated Door, Add	*34.57*	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	*155.56*	
		For Commercial Grade 1 Hour Fire Rated Door, Add	*216.05*	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	*345.68*	
		For Each 1' Of Additional Door Height, Add	*69.14*	
		For >50 To 100, Deduct	*-21.16*	
		For >100, Deduct	*-30.61*	
08 14 16 00-0159	EA	3' x 7' x 1-3/4" Solid Core, Oak Or Maple Faced Door	384.74	47.00
		For 7 Ply Core, Add	*43.61*	
		For Solid Wood Staved Core (Glued Block), Add	*72.69*	
		Note: Not used in conjunction with fire rating >20 minutes.		
		For Exterior Grade Door, Add	*77.39*	
		For Machining for Mortise Lock, Add	*35.00*	
		For Commercial Grade 20 Minute Fire Rated Door, Add	*34.89*	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	*157.00*	
		For Commercial Grade 1 Hour Fire Rated Door, Add	*218.06*	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	*348.89*	
		For Each 1' Of Additional Door Height, Add	*69.78*	
		For >50 To 100, Deduct	*-21.59*	
		For >100, Deduct	*-31.21*	
08 14 16 00-0160	EA	3'-4" x 7' x 1-3/4" Solid Core, Oak Or Maple Faced Door	416.67	47.00
		For 7 Ply Core, Add	*48.40*	
		For Solid Wood Staved Core (Glued Block), Add	*80.67*	
		Note: Not used in conjunction with fire rating >20 minutes.		
		For Exterior Grade Door, Add	*85.37*	
		For Machining for Mortise Lock, Add	*35.00*	
		For Commercial Grade 20 Minute Fire Rated Door, Add	*38.72*	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	*174.24*	
		For Commercial Grade 1 Hour Fire Rated Door, Add	*242.00*	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	*387.20*	
		For Each 1' Of Additional Door Height, Add	*77.44*	
		For >50 To 100, Deduct	*-23.18*	
		For >100, Deduct	*-33.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0161	EA	3'-6" x 7' x 1-3/4" Solid Core, Oak Or Maple Faced Door	502.82	48.96
		For 7 Ply Core, Add	*60.74*	
		For Solid Wood Staved Core (Glued Block), Add	*101.23*	
		Note: Not used in conjunction with fire rating >20 minutes.		
		For Exterior Grade Door, Add	*106.12*	
		For Machining for Mortise Lock, Add	*35.00*	
		For Commercial Grade 20 Minute Fire Rated Door, Add	*48.59*	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	*218.65*	
		For Commercial Grade 1 Hour Fire Rated Door, Add	*303.68*	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	*485.88*	
		For Each 1' Of Additional Door Height, Add	*97.18*	
		For >50 To 100, Deduct	*-27.59*	
		For >100, Deduct	*-40.16*	
08 14 16 00-0162	PR	Pair 2' x 7' x 1-3/4" Solid Core, Oak Or Maple Faced Door	710.33	81.86
		For 7 Ply Core, Add	*81.99*	
		For Solid Wood Staved Core (Glued Block), Add	*136.65*	
		Note: Not used in conjunction with fire rating >20 minutes.		
		For Exterior Grade Door, Add	*144.84*	
		For Machining for Mortise Lock, Add	*35.00*	
		For Commercial Grade 20 Minute Fire Rated Door, Add	*65.59*	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	*295.17*	
		For Commercial Grade 1 Hour Fire Rated Door, Add	*409.96*	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	*655.93*	
		For Each 1' Of Additional Door Height, Add	*131.19*	
		For >50 To 100, Deduct	*-39.61*	
		For >100, Deduct	*-57.37*	
08 14 16 00-0163	PR	Pair 2'-6" x 7' x 1-3/4" Solid Core, Oak Or Maple Faced Door	721.63	85.58
		For 7 Ply Core, Add	*82.57*	
		For Solid Wood Staved Core (Glued Block), Add	*137.62*	
		Note: Not used in conjunction with fire rating >20 minutes.		
		For Exterior Grade Door, Add	*146.18*	
		For Machining for Mortise Lock, Add	*35.00*	
		For Commercial Grade 20 Minute Fire Rated Door, Add	*66.06*	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	*297.25*	
		For Commercial Grade 1 Hour Fire Rated Door, Add	*412.85*	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	*660.56*	
		For Each 1' Of Additional Door Height, Add	*132.11*	
		For >50 To 100, Deduct	*-40.36*	
		For >100, Deduct	*-58.40*	
08 14 16 00-0164	PR	Pair 3' x 7' x 1-3/4" Solid Core, Oak Or Maple Faced Door	758.74	89.30
		For 7 Ply Core, Add	*87.02*	
		For Solid Wood Staved Core (Glued Block), Add	*145.04*	
		Note: Not used in conjunction with fire rating >20 minutes.		
		For Exterior Grade Door, Add	*153.97*	
		For Machining for Mortise Lock, Add	*35.00*	
		For Commercial Grade 20 Minute Fire Rated Door, Add	*69.62*	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	*313.28*	
		For Commercial Grade 1 Hour Fire Rated Door, Add	*435.11*	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	*696.17*	
		For Each 1' Of Additional Door Height, Add	*139.23*	
		For >50 To 100, Deduct	*-42.40*	
		For >100, Deduct	*-61.37*	

08 14 16 00-0165 Walnut Faced *(08 14 16 00-0124)*

08 14 16 00-0166	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Solid Core, Walnut Faced Door	523.67	43.08
		For 7 Ply Core, Add	*65.63*	
		For Solid Wood Staved Core (Glued Block), Add	*153.13*	
		Note: Not used in conjunction with fire rating >20 minutes.		
		For Exterior Grade Door, Add	*113.68*	
		For Machining for Mortise Lock, Add	*35.00*	
		For Commercial Grade 20 Minute Fire Rated Door, Add	*52.50*	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	*236.25*	
		For Commercial Grade 1 Hour Fire Rated Door, Add	*328.13*	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	*525.00*	
		For Each 1' Of Additional Door Height, Add	*105.00*	
		For >50 To 100, Deduct	*-28.34*	
		For >100, Deduct	*-41.43*	
08 14 16 00-0167	EA	2'-6" x 7' x 1-3/4" Solid Core, Walnut Faced Door	527.71	45.05
		For 7 Ply Core, Add	*65.64*	
		For Solid Wood Staved Core (Glued Block), Add	*153.17*	
		Note: Not used in conjunction with fire rating >20 minutes.		
		For Exterior Grade Door, Add	*113.91*	
		For Machining for Mortise Lock, Add	*35.00*	
		For Commercial Grade 20 Minute Fire Rated Door, Add	*52.52*	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	*236.32*	
		For Commercial Grade 1 Hour Fire Rated Door, Add	*328.22*	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	*525.16*	
		For Each 1' Of Additional Door Height, Add	*105.03*	
		For >50 To 100, Deduct	*-28.64*	
		For >100, Deduct	*-41.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0168	EA	2'-8" x 7' x 1-3/4" Solid Core, Walnut Faced Door	532.24	45.05
		For 7 Ply Core, Add	*66.32*	
		For Solid Wood Staved Core (Glued Block), Add	*154.76*	
		Note: Not used in conjunction with fire rating >20 minutes.		
		For Exterior Grade Door, Add	*115.04*	
		For Machining for Mortise Lock, Add	*35.00*	
		For Commercial Grade 20 Minute Fire Rated Door, Add	*53.06*	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	*238.77*	
		For Commercial Grade 1 Hour Fire Rated Door, Add	*331.62*	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	*530.59*	
		For Each 1' Of Additional Door Height, Add	*106.12*	
		For >50 To 100, Deduct	*-28.86*	
		For >100, Deduct	*-42.17*	
08 14 16 00-0169	EA	3' x 7' x 1-3/4" Solid Core, Walnut Faced Door	559.71	47.00
		For 7 Ply Core, Add	*69.86*	
		For Solid Wood Staved Core (Glued Block), Add	*163.00*	
		Note: Not used in conjunction with fire rating >20 minutes.		
		For Exterior Grade Door, Add	*121.13*	
		For Machining for Mortise Lock, Add	*35.00*	
		For Commercial Grade 20 Minute Fire Rated Door, Add	*55.89*	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	*251.48*	
		For Commercial Grade 1 Hour Fire Rated Door, Add	*349.28*	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	*558.85*	
		For Each 1' Of Additional Door Height, Add	*111.77*	
		For >50 To 100, Deduct	*-30.34*	
		For >100, Deduct	*-44.33*	
08 14 16 00-0170	EA	3'-4" x 7' x 1-3/4" Solid Core, Walnut Faced Door	590.31	47.00
		For 7 Ply Core, Add	*74.45*	
		For Solid Wood Staved Core (Glued Block), Add	*173.71*	
		Note: Not used in conjunction with fire rating >20 minutes.		
		For Exterior Grade Door, Add	*128.78*	
		For Machining for Mortise Lock, Add	*35.00*	
		For Commercial Grade 20 Minute Fire Rated Door, Add	*59.56*	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	*268.01*	
		For Commercial Grade 1 Hour Fire Rated Door, Add	*372.23*	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	*595.57*	
		For Each 1' Of Additional Door Height, Add	*119.11*	
		For >50 To 100, Deduct	*-31.87*	
		For >100, Deduct	*-46.62*	
08 14 16 00-0171	EA	3'-6" x 7' x 1-3/4" Solid Core, Walnut Faced Door	723.30	48.96
		For 7 Ply Core, Add	*93.81*	
		For Solid Wood Staved Core (Glued Block), Add	*218.88*	
		Note: Not used in conjunction with fire rating >20 minutes.		
		For Exterior Grade Door, Add	*161.24*	
		For Machining for Mortise Lock, Add	*35.00*	
		For Commercial Grade 20 Minute Fire Rated Door, Add	*75.05*	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	*337.71*	
		For Commercial Grade 1 Hour Fire Rated Door, Add	*469.04*	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	*750.46*	
		For Each 1' Of Additional Door Height, Add	*150.09*	
		For >50 To 100, Deduct	*-38.61*	
		For >100, Deduct	*-56.70*	
08 14 16 00-0172	PR	Pair 2' x 7' x 1-3/4" Solid Core, Walnut Faced Door	1,002.53	81.86
		For 7 Ply Core, Add	*125.82*	
		For Solid Wood Staved Core (Glued Block), Add	*293.58*	
		Note: Not used in conjunction with fire rating >20 minutes.		
		For Exterior Grade Door, Add	*217.89*	
		For Machining for Mortise Lock, Add	*35.00*	
		For Commercial Grade 20 Minute Fire Rated Door, Add	*100.66*	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	*452.96*	
		For Commercial Grade 1 Hour Fire Rated Door, Add	*629.11*	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	*1,006.57*	
		For Each 1' Of Additional Door Height, Add	*201.31*	
		For >50 To 100, Deduct	*-54.22*	
		For >100, Deduct	*-79.28*	
08 14 16 00-0173	PR	Pair 2'-6" x 7' x 1-3/4" Solid Core, Walnut Faced Door	1,015.82	85.58
		For 7 Ply Core, Add	*126.70*	
		For Solid Wood Staved Core (Glued Block), Add	*295.63*	
		Note: Not used in conjunction with fire rating >20 minutes.		
		For Exterior Grade Door, Add	*219.72*	
		For Machining for Mortise Lock, Add	*35.00*	
		For Commercial Grade 20 Minute Fire Rated Door, Add	*101.36*	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	*456.12*	
		For Commercial Grade 1 Hour Fire Rated Door, Add	*633.50*	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	*1,013.59*	
		For Each 1' Of Additional Door Height, Add	*202.72*	
		For >50 To 100, Deduct	*-55.07*	
		For >100, Deduct	*-80.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0174	PR	Pair 3' x 7' x 1-3/4" Solid Core, Walnut Faced Door	1,096.71	89.30
		For 7 Ply Core, Add	*137.72*	
		For Solid Wood Staved Core (Glued Block), Add	*321.34*	
		Note: Not used in conjunction with fire rating >20 minutes.		
		For Exterior Grade Door, Add	*238.46*	
		For Machining for Mortise Lock, Add	*35.00*	
		For Commercial Grade 20 Minute Fire Rated Door, Add	*110.17*	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	*495.78*	
		For Commercial Grade 1 Hour Fire Rated Door, Add	*688.58*	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	*1,101.73*	
		For Each 1' Of Additional Door Height, Add	*220.35*	
		For >50 To 100, Deduct	*-59.30*	
		For >100, Deduct	*-86.72*	
08 14 16 00-0175		Manufacturer Prefinished Options For Flush Wood Doors *(08 14 16)*		
08 14 16 00-0176	EA	Clear Or Colored Catalyzed Polyurethane Factory Finish For Flush Wood Door	36.93	
		Note: Includes any standard manufacturer color on six sides.		
		For Custom Color To Match Non Standard Manufacturer Finish, Add	*12.30*	

08 14 23 Clad Wood Doors *(08 14)*

08 14 23 13 Metal-Faced Wood Doors *(08 14 23)*

See CSI section 08 70 00 00-0000 for finish hardware.

08 14 23 13-0001		24 Gauge Metal Clad Door, 1-3/4" Thick, Solid Staved Wood Core *(08 14 23 13)*		
08 14 23 13-0002	EA	2' 6" x 7' Metal Clad Door, Solid Staved Wood Core, Flush Type	571.19	96.35
08 14 23 13-0003	EA	2' 8" x 7' Metal Clad Door, Solid Staved Wood Core, Flush Type	609.26	105.75
08 14 23 13-0004	EA	2' 10" x 7' Metal Clad Door, Solid Staved Wood Core, Flush Type	653.29	116.71
08 14 23 13-0005	EA	3' x 7' Metal Clad Door, Solid Staved Wood Core, Flush Type	683.15	120.64
08 14 23 13-0006	EA	3' 4" x 7' Metal Clad Door, Solid Staved Wood Core, Flush Type	729.43	132.77
08 14 23 13-0007	EA	3' 8" x 7' Metal Clad Door, Solid Staved Wood Core, Flush Type	793.09	137.08

08 14 66 Wood Screen Doors *(08 14)*

08 14 66 00-0001		Wood Screen Storm Door, Residential Grade *(08 14 66)*		
		Note: Includes frame, trim, necessary anchors and usual hardware (closures, chain and spring, latching, screens, etc.).		
08 14 66 00-0002	EA	2'-8" x 6'-8" Wood Screen Door, Residential, With Frame, Trim, Hardware	419.59	112.80
08 14 66 00-0003	EA	3' x 6'-8" Wood Screen Door, Residential, With Frame, Trim, Hardware	437.00	125.33
08 14 66 00-0004	EA	2'-8" x 7" Wood Screen Door, Residential, With Frame, Trim, Hardware	419.59	112.80
08 14 66 00-0005	EA	3' x 7' Wood Screen Door, Residential, With Frame, Trim, Hardware	437.00	125.33

08 14 73 Sliding Wood Doors *(08 14)*

08 14 73 00-0001		Pocket Door *(08 14 73)*		
		Note: Includes door, frame and trim, and all mounting and door hardware. See CSI section 08 14 73 00-0054 for accessories to be added.		
08 14 73 00-0002		1-3/8" Thick *(08 14 73 00-0001)*		
		See CSI section 08 14 73 00-0054 for all jambs and track hardware.		
08 14 73 00-0003		6'-8" High *(08 14 73 00-0002)*		
08 14 73 00-0004	EA	2' x 6'-8" x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced	493.92	27.42
		For Oak, Add	*121.19*	
		For Ash/Hickory, Add	*176.52*	
		For Walnut, Add	*257.31*	
		For Cherry, Add	*418.46*	
08 14 73 00-0005	EA	2'-4" x 6'-8" x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced	508.48	29.38
		For Oak, Add	*124.13*	
		For Ash/Hickory, Add	*180.80*	
		For Walnut, Add	*263.55*	
		For Cherry, Add	*428.60*	
08 14 73 00-0006	EA	2'-6" x 6'-8" x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced	525.70	31.33
		For Oak, Add	*127.80*	
		For Ash/Hickory, Add	*186.15*	
		For Walnut, Add	*271.35*	
		For Cherry, Add	*441.29*	
08 14 73 00-0007	EA	2'-8" x 6'-8" x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced	537.59	33.30
		For Oak, Add	*130.00*	
		For Ash/Hickory, Add	*189.35*	
		For Walnut, Add	*276.02*	
		For Cherry, Add	*448.89*	
08 14 73 00-0008	EA	2'-10" x 6'-8" x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced	554.84	35.25
		For Oak, Add	*133.68*	
		For Ash/Hickory, Add	*194.70*	
		For Walnut, Add	*283.82*	
		For Cherry, Add	*461.58*	
08 14 73 00-0009	EA	3' x 6'-8" x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced	569.39	37.21
		For Oak, Add	*136.61*	
		For Ash/Hickory, Add	*198.98*	
		For Walnut, Add	*290.06*	
		For Cherry, Add	*471.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0010	EA	Pair 2' x 6'-8" x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced	976.12	48.96
		For Oak, Add	*242.38*	
		For Ash/Hickory, Add	*353.04*	
		For Walnut, Add	*514.63*	
		For Cherry, Add	*836.92*	
08 14 73 00-0011	EA	Pair 2'-6" x 6'-8" x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced	1,031.84	52.88
		For Oak, Add	*255.60*	
		For Ash/Hickory, Add	*372.29*	
		For Walnut, Add	*542.69*	
		For Cherry, Add	*882.57*	
08 14 73 00-0012	EA	Pair 3' x 6'-8" x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced	1,103.56	56.80
		For Oak, Add	*273.23*	
		For Ash/Hickory, Add	*397.97*	
		For Walnut, Add	*580.12*	
		For Cherry, Add	*943.44*	

08 14 73 00-0013 7' High *(08 14 73 00-0002)*

08 14 73 00-0014	EA	2' x 7' x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced	587.06	27.42
		For Oak, Add	*124.54*	
		For Ash/Hickory, Add	*124.54*	
		For Walnut, Add	*204.91*	
		For Cherry, Add	*384.81*	
08 14 73 00-0015	EA	2'-4" x 7' x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced	614.93	29.38
		For Oak, Add	*130.15*	
		For Ash/Hickory, Add	*130.15*	
		For Walnut, Add	*214.13*	
		For Cherry, Add	*402.13*	
08 14 73 00-0016	EA	2'-6" x 7' x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced	634.81	31.33
		For Oak, Add	*133.89*	
		For Ash/Hickory, Add	*133.89*	
		For Walnut, Add	*220.28*	
		For Cherry, Add	*413.67*	
08 14 73 00-0017	EA	2'-8" x 7' x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced	652.02	33.30
		For Oak, Add	*137.00*	
		For Ash/Hickory, Add	*137.00*	
		For Walnut, Add	*225.40*	
		For Cherry, Add	*423.29*	
08 14 73 00-0018	EA	2'-10" x 7' x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced	666.61	35.25
		For Oak, Add	*139.49*	
		For Ash/Hickory, Add	*139.49*	
		For Walnut, Add	*229.50*	
		For Cherry, Add	*430.99*	
08 14 73 00-0019	EA	3' x 7' x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced	686.49	37.21
		For Oak, Add	*143.23*	
		For Ash/Hickory, Add	*143.23*	
		For Walnut, Add	*235.65*	
		For Cherry, Add	*442.53*	
08 14 73 00-0020	EA	Pair 2' x 7' x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced	1,162.40	48.96
		For Oak, Add	*249.09*	
		For Ash/Hickory, Add	*249.09*	
		For Walnut, Add	*409.82*	
		For Cherry, Add	*769.62*	
08 14 73 00-0021	EA	Pair 2'-6" x 7' x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced	1,250.06	52.88
		For Oak, Add	*267.77*	
		For Ash/Hickory, Add	*267.77*	
		For Walnut, Add	*440.56*	
		For Cherry, Add	*827.34*	
08 14 73 00-0022	EA	Pair 3' x 7' x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced	1,337.74	56.80
		For Oak, Add	*286.45*	
		For Ash/Hickory, Add	*286.45*	
		For Walnut, Add	*471.30*	
		For Cherry, Add	*885.06*	

08 14 73 00-0023 1-3/4" Thick *(08 14 73 00-0001)*

See CSI section 08 14 73 00-0054 for all jambs and track hardware.

08 14 73 00-0024 6'-8" High *(08 14 73 00-0023)*

08 14 73 00-0025	EA	2' x 6'-8" x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	746.73	27.42
		For Oak, Add	*161.91*	
		For Ash/Hickory, Add	*161.91*	
		For Walnut, Add	*266.39*	
		For Cherry, Add	*500.25*	
08 14 73 00-0026	EA	2'-4" x 6'-8" x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	782.59	29.38
		For Oak, Add	*169.38*	
		For Ash/Hickory, Add	*169.38*	
		For Walnut, Add	*278.68*	
		For Cherry, Add	*523.34*	
08 14 73 00-0027	EA	2'-6" x 6'-8" x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	802.46	31.33
		For Oak, Add	*173.12*	
		For Ash/Hickory, Add	*173.12*	
		For Walnut, Add	*284.83*	
		For Cherry, Add	*534.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0028	EA	2'-8" x 6'-8" x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	825.00	33.30
		For Oak, Add	*177.47*	
		For Ash/Hickory, Add	*177.47*	
		For Walnut, Add	*292.00*	
		For Cherry, Add	*548.35*	
08 14 73 00-0029	EA	2'-10" x 6'-8" x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	844.91	35.25
		For Oak, Add	*181.21*	
		For Ash/Hickory, Add	*181.21*	
		For Walnut, Add	*298.15*	
		For Cherry, Add	*559.90*	
08 14 73 00-0030	EA	3' x 6'-8" x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	864.79	37.21
		For Oak, Add	*184.95*	
		For Ash/Hickory, Add	*184.95*	
		For Walnut, Add	*304.30*	
		For Cherry, Add	*571.44*	
08 14 73 00-0031	EA	Pair 2' x 6'-8" x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	1,481.74	48.96
		For Oak, Add	*323.81*	
		For Ash/Hickory, Add	*323.81*	
		For Walnut, Add	*532.77*	
		For Cherry, Add	*1,000.50*	
08 14 73 00-0032	EA	Pair 2'-6" x 6'-8" x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	1,585.37	52.88
		For Oak, Add	*346.23*	
		For Ash/Hickory, Add	*346.23*	
		For Walnut, Add	*569.66*	
		For Cherry, Add	*1,069.77*	
08 14 73 00-0033	EA	Pair 3' x 6'-8" x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	1,694.34	56.80
		For Oak, Add	*369.90*	
		For Ash/Hickory, Add	*369.90*	
		For Walnut, Add	*608.59*	
		For Cherry, Add	*1,142.88*	

08 14 73 00-0034 7' High *(08 14 73 00-0023)*

08 14 73 00-0035	EA	2' x 7' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	799.96	27.42
		For Oak, Add	*174.36*	
		For Ash/Hickory, Add	*174.36*	
		For Walnut, Add	*286.88*	
		For Cherry, Add	*538.74*	
08 14 73 00-0036	EA	2'-4" x 7' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	841.13	29.38
		For Oak, Add	*183.08*	
		For Ash/Hickory, Add	*183.08*	
		For Walnut, Add	*301.22*	
		For Cherry, Add	*565.67*	
08 14 73 00-0037	EA	2'-6" x 7' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	863.67	31.33
		For Oak, Add	*187.44*	
		For Ash/Hickory, Add	*187.44*	
		For Walnut, Add	*308.39*	
		For Cherry, Add	*579.14*	
08 14 73 00-0038	EA	2'-8" x 7' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	886.21	33.30
		For Oak, Add	*191.80*	
		For Ash/Hickory, Add	*191.80*	
		For Walnut, Add	*315.57*	
		For Cherry, Add	*592.61*	
08 14 73 00-0039	EA	2'-10" x 7' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	906.12	35.25
		For Oak, Add	*195.54*	
		For Ash/Hickory, Add	*195.54*	
		For Walnut, Add	*321.71*	
		For Cherry, Add	*604.15*	
08 14 73 00-0040	EA	3' x 7' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	928.66	37.21
		For Oak, Add	*199.89*	
		For Ash/Hickory, Add	*199.89*	
		For Walnut, Add	*328.89*	
		For Cherry, Add	*617.62*	
08 14 73 00-0041	EA	Pair 2' x 7' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	1,588.19	48.96
		For Oak, Add	*348.72*	
		For Ash/Hickory, Add	*348.72*	
		For Walnut, Add	*573.75*	
		For Cherry, Add	*1,077.47*	
08 14 73 00-0042	EA	Pair 2'-6" x 7' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	1,707.78	52.88
		For Oak, Add	*374.88*	
		For Ash/Hickory, Add	*374.88*	
		For Walnut, Add	*616.79*	
		For Cherry, Add	*1,158.27*	
08 14 73 00-0043	EA	Pair 3' x 7' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	1,822.08	56.80
		For Oak, Add	*399.79*	
		For Ash/Hickory, Add	*399.79*	
		For Walnut, Add	*657.77*	
		For Cherry, Add	*1,235.24*	

08 14 73 00-0044 8' High *(08 14 73 00-0023)*

08 14 73 00-0045	EA	2' x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	853.18	27.42
		For Oak, Add	*186.82*	
		For Ash/Hickory, Add	*186.82*	
		For Walnut, Add	*307.37*	
		For Cherry, Add	*577.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0046	EA	2'-4" x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	894.36	29.38
		For Oak, Add	*195.54*	
		For Ash/Hickory, Add	*195.54*	
		For Walnut, Add	*321.71*	
		For Cherry, Add	*604.15*	
08 14 73 00-0047	EA	2'-6" x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	919.56	31.33
		For Oak, Add	*200.52*	
		For Ash/Hickory, Add	*200.52*	
		For Walnut, Add	*329.91*	
		For Cherry, Add	*619.55*	
08 14 73 00-0048	EA	2'-8" x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	944.76	33.30
		For Oak, Add	*205.50*	
		For Ash/Hickory, Add	*205.50*	
		For Walnut, Add	*338.11*	
		For Cherry, Add	*634.94*	
08 14 73 00-0049	EA	2'-10" x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	964.66	35.25
		For Oak, Add	*209.23*	
		For Ash/Hickory, Add	*209.23*	
		For Walnut, Add	*344.25*	
		For Cherry, Add	*646.48*	
08 14 73 00-0050	EA	3' x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	989.86	37.21
		For Oak, Add	*214.22*	
		For Ash/Hickory, Add	*214.22*	
		For Walnut, Add	*352.45*	
		For Cherry, Add	*661.87*	
08 14 73 00-0051	EA	Pair 2' x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	1,694.64	48.96
		For Oak, Add	*373.63*	
		For Ash/Hickory, Add	*373.63*	
		For Walnut, Add	*614.74*	
		For Cherry, Add	*1,154.43*	
08 14 73 00-0052	EA	Pair 2'-6" x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	1,819.55	52.88
		For Oak, Add	*401.03*	
		For Ash/Hickory, Add	*401.03*	
		For Walnut, Add	*659.82*	
		For Cherry, Add	*1,239.08*	
08 14 73 00-0053	EA	Pair 3' x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	1,944.50	56.80
		For Oak, Add	*428.43*	
		For Ash/Hickory, Add	*428.43*	
		For Walnut, Add	*704.90*	
		For Cherry, Add	*1,323.75*	

08 14 73 00-0054 Accessories *(08 14 73 00-0001)*

08 14 73 00-0055 Jamb Replacement *(08 14 73 00-0054)*

08 14 73 00-0056	EA	4-9/16 Or 4-3/4" Jamb, Birch	97.63	
		For Oak, Add	*6.61*	
		For Ash/Hickory, Add	*10.35*	
		For Walnut, Add	*22.62*	
		For Cherry, Add	*35.84*	
08 14 73 00-0057	EA	5-1/4" Jamb, Birch	99.52	
		For Oak, Add	*6.82*	
		For Ash/Hickory, Add	*10.68*	
		For Walnut, Add	*23.36*	
		For Cherry, Add	*36.99*	
08 14 73 00-0058	EA	6-9/16" Or 6-3/4" Jamb, Birch	111.77	
		For Oak, Add	*8.20*	
		For Ash/Hickory, Add	*12.85*	
		For Walnut, Add	*28.10*	
		For Cherry, Add	*44.50*	

08 14 73 00-0059 Track And Hardware Replacement Kits *(08 14 73 00-0054)*

Note: For double doors, use 2 appropriate sized hardware and 1 converging kit.

08 14 73 00-0060	EA	Up To 2'-6" x 6'-8" Door Track And Hardware	180.29	
08 14 73 00-0061	EA	2'-8" x 6'-8" Door Track And Hardware	181.81	
08 14 73 00-0062	EA	3' x 6'-8" Door Track And Hardware	184.84	
08 14 73 00-0063	EA	Up To 2'-6" x 7' Door Track And Hardware	213.71	
08 14 73 00-0064	EA	2'-8" x 7' Door Track And Hardware	215.23	
08 14 73 00-0065	EA	3' x 7' Door Track And Hardware	218.27	
08 14 73 00-0066	EA	Up To 2'-6" x 8' Door Track And Hardware	228.90	
08 14 73 00-0067	EA	2'-8" x 8' Door Track And Hardware	230.42	
08 14 73 00-0068	EA	3' x 8' Door Track And Hardware	233.46	
08 14 73 00-0069	EA	Double Door Converging Kit	26.94	

08 14 73 00-0070 Lauan Faced Hollow Core Flush Bi-Pass Doors *(08 14 73)*

08 14 73 00-0071	EA	4'-0", Two 1-3/8" Unfinished Doors, Lauan Faced, Hollow Core, Flush Bi-Pass	242.45	62.64
08 14 73 00-0072	EA	5'-0", Two 1-3/8" Unfinished Doors, Lauan Faced, Hollow Core, Flush Bi-Pass	258.26	66.56
08 14 73 00-0073	EA	6'-0", Two 1-3/8" Unfinished Doors, Lauan Faced, Hollow Core, Flush Bi-Pass	280.53	70.47
08 14 73 00-0074	EA	8'-0", Four 1-3/8" Unfinished Doors, Lauan Faced, Hollow Core, Flush Bi-Pass	380.50	74.39

08 14 73 00-0075 Birch Faced Hollow Core Flush Bi-Pass Doors *(08 14 73)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0076	EA	4'-0", Two 1-3/8" Unfinished Doors, Birch Faced, Hollow Core, Flush Bi-Pass	257.80	62.64
08 14 73 00-0077	EA	5'-0", Two 1-3/8" Unfinished Doors, Birch Faced, Hollow Core, Flush Bi-Pass	282.20	66.56
08 14 73 00-0078	EA	6'-0", Two 1-3/8" Unfinished Doors, Birch Faced, Hollow Core, Flush Bi-Pass	306.87	70.47
08 14 73 00-0079	EA	8'-0", Four 1-3/8" Unfinished Doors, Birch Faced, Hollow Core, Flush Bi-Pass	411.21	74.39
08 14 73 00-0080		Molded High Density Fiberboard Hollow Core Paneled Bi-Pass Doors *(08 14 73)*		
08 14 73 00-0081	EA	4'-0", Two 1-3/8" Primed Doors, Molded High Density Fiberboard, Hollow Core, Paneled Bi-Pass	258.24	62.64
08 14 73 00-0082	EA	5'-0", Two 1-3/8" Primed Doors, Molded High Density Fiberboard, Hollow Core, Paneled Bi-Pass	281.13	66.56
08 14 73 00-0083	EA	6'-0", Two 1-3/8" Primed Doors, Molded High Density Fiberboard, Hollow Core, Paneled Bi-Pass	305.10	70.47
08 14 73 00-0084	EA	8'-0", Four 1-3/8" Primed Doors, Molded High Density Fiberboard, Hollow Core, Paneled Bi-Pass	412.07	74.39
08 14 76		**Bifolding Wood Doors** *(08 14)*		
08 14 76 00-0001		Lauan Faced Hollow Core Flush Bi-Fold Doors *(08 14 76)*		
08 14 76 00-0002	EA	2'-0", Two 1-3/8" Unfinished Doors, Lauan Faced, Hollow Core, Flush Bi-Fold	131.53	46.98
08 14 76 00-0003	EA	2'-6", Two 1-3/8" Unfinished Doors, Lauan Faced, Hollow Core, Flush Bi-Fold	139.36	50.90
08 14 76 00-0004	EA	2'-8", Two 1-3/8" Unfinished Doors, Lauan Faced, Hollow Core, Flush Bi-Fold	149.70	54.81
08 14 76 00-0005	EA	3'-0", Two 1-3/8" Unfinished Doors, Lauan Faced, Hollow Core, Flush Bi-Fold	157.53	58.73
08 14 76 00-0006	EA	4'-0", Four 1-3/8" Unfinished Doors, Lauan Faced, Hollow Core, Flush Bi-Fold	197.40	62.64
08 14 76 00-0007	EA	5'-0", Four 1-3/8" Unfinished Doors, Lauan Faced, Hollow Core, Flush Bi-Fold	205.23	66.56
08 14 76 00-0008	EA	6'-0", Four 1-3/8" Unfinished Doors, Lauan Faced, Hollow Core, Flush Bi-Fold	218.37	70.47
08 14 76 00-0009		Birch Faced Hollow Core Flush Bi-Fold Doors *(08 14 76)*		
08 14 76 00-0010	EA	2'-0", Two 1-3/8" Unfinished Doors, Birch Faced, Hollow Core, Flush Bi-Fold	137.67	46.98
08 14 76 00-0011	EA	2'-6", Two 1-3/8" Unfinished Doors, Birch Faced, Hollow Core, Flush Bi-Fold	147.51	50.90
08 14 76 00-0012	EA	2'-8", Two 1-3/8" Unfinished Doors, Birch Faced, Hollow Core, Flush Bi-Fold	159.20	54.81
08 14 76 00-0013	EA	3'-0", Two 1-3/8" Unfinished Doors, Birch Faced, Hollow Core, Flush Bi-Fold	167.03	58.73
08 14 76 00-0014	EA	4'-0", Four 1-3/8" Unfinished Doors, Birch Faced, Hollow Core, Flush Bi-Fold	210.52	62.64
08 14 76 00-0015	EA	5'-0", Four 1-3/8" Unfinished Doors, Birch Faced, Hollow Core, Flush Bi-Fold	225.69	66.56
08 14 76 00-0016	EA	6'-0", Four 1-3/8" Unfinished Doors, Birch Faced, Hollow Core, Flush Bi-Fold	241.62	70.47
08 14 76 00-0017		Oak Faced Hollow Core Flush Bi-Fold Doors *(08 14 76)*		
08 14 76 00-0018	EA	2'-0", Two 1-3/8" Unfinished Doors, Oak Faced, Hollow Core, Flush Bi-Fold	137.95	46.98
08 14 76 00-0019	EA	2'-6", Two 1-3/8" Unfinished Doors, Oak Faced, Hollow Core, Flush Bi-Fold	151.43	50.90
08 14 76 00-0020	EA	2'-8", Two 1-3/8" Unfinished Doors, Oak Faced, Hollow Core, Flush Bi-Fold	162.82	54.81
08 14 76 00-0021	EA	3'-0", Two 1-3/8" Unfinished Doors, Oak Faced, Hollow Core, Flush Bi-Fold	170.65	58.73
08 14 76 00-0022	EA	4'-0", Four 1-3/8" Unfinished Doors, Oak Faced, Hollow Core, Flush Bi-Fold	213.69	62.64
08 14 76 00-0023	EA	5'-0", Four 1-3/8" Unfinished Doors, Oak Faced, Hollow Core, Flush Bi-Fold	222.79	66.56
08 14 76 00-0024	EA	6'-0", Four 1-3/8" Unfinished Doors, Oak Faced, Hollow Core, Flush Bi-Fold	241.62	70.47
08 14 76 00-0025		Pine Raised Panel Bi-Fold Doors *(08 14 76)*		
08 14 76 00-0026	EA	2'-0", Two 1-3/8" Unfinished Doors, Pine Veneer, Raised Panel Bi-Fold	320.19	46.98
08 14 76 00-0027	EA	2'-6", Two 1-3/8" Unfinished Doors, Pine Veneer, Raised Panel Bi-Fold	364.57	50.90
08 14 76 00-0028	EA	2'-8", Two 1-3/8" Unfinished Doors, Pine Veneer, Raised Panel Bi-Fold	414.88	54.81
08 14 76 00-0029	EA	3'-0", Two 1-3/8" Unfinished Doors, Pine Veneer, Raised Panel Bi-Fold	422.71	58.73
08 14 76 00-0030	EA	4'-0", Four 1-3/8" Unfinished Doors, Pine Veneer, Raised Panel Bi-Fold	577.73	62.64
08 14 76 00-0031	EA	5'-0", Four 1-3/8" Unfinished Doors, Pine Veneer, Raised Panel Bi-Fold	658.66	66.56
08 14 76 00-0032	EA	6'-0", Four 1-3/8" Unfinished Doors, Pine Veneer, Raised Panel Bi-Fold	751.45	70.47
08 14 76 00-0033		Oak Raised Panel Bi-Fold Doors *(08 14 76)*		
08 14 76 00-0034	EA	2'-0", Two 1-3/8" Unfinished Doors, Oak Veneer, Raised Panel Bi-Fold	404.16	46.98
08 14 76 00-0035	EA	2'-6", Two 1-3/8" Unfinished Doors, Oak Veneer, Raised Panel Bi-Fold	438.66	50.90
08 14 76 00-0036	EA	2'-8", Two 1-3/8" Unfinished Doors, Oak Veneer, Raised Panel Bi-Fold	479.09	54.81
08 14 76 00-0037	EA	3'-0", Two 1-3/8" Unfinished Doors, Oak Veneer, Raised Panel Bi-Fold	486.92	58.73
08 14 76 00-0038	EA	4'-0", Four 1-3/8" Unfinished Doors, Oak Veneer, Raised Panel Bi-Fold	745.67	62.64
08 14 76 00-0039	EA	5'-0", Four 1-3/8" Unfinished Doors, Oak Veneer, Raised Panel Bi-Fold	806.85	66.56
08 14 76 00-0040	EA	6'-0", Four 1-3/8" Unfinished Doors, Oak Veneer, Raised Panel Bi-Fold	879.88	70.47
08 14 76 00-0041		Molded High Density Fiberboard Hollow Core Paneled Bi-Fold Doors *(08 14 76)*		
08 14 76 00-0042	EA	2'-0", Two 1-3/8" Unfinished Doors, Primed, Molded High Density Fiberboard, Hollow Core, Paneled Bi-Fold	133.69	46.98
08 14 76 00-0043	EA	2'-6", Two 1-3/8" Unfinished Doors, Primed, Molded High Density Fiberboard, Hollow Core, Paneled Bi-Fold	144.04	50.90
08 14 76 00-0044	EA	2'-8", Two 1-3/8" Unfinished Doors, Primed, Molded High Density Fiberboard, Hollow Core, Paneled Bi-Fold	157.21	54.81
08 14 76 00-0045	EA	3'-0", Two 1-3/8" Unfinished Doors, Primed, Molded High Density Fiberboard, Hollow Core, Paneled Bi-Fold	160.54	58.73
08 14 76 00-0046	EA	4'-0", Four 1-3/8" Unfinished Doors, Primed, Molded High Density Fiberboard, Hollow Core, Paneled Bi-Fold	193.84	62.64
08 14 76 00-0047	EA	5'-0", Four 1-3/8" Unfinished Doors, Primed, Molded High Density Fiberboard, Hollow Core, Paneled Bi-Fold	208.72	66.56
08 14 76 00-0048	EA	6'-0", Four 1-3/8" Unfinished Doors, Primed, Molded High Density Fiberboard, Hollow Core, Paneled Bi-Fold	231.79	70.47

08 15 Plastic Doors *(08 10)*

Note: Includes machining for all hardware, except mortised locks. Excludes finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

08 15 13 Laminated Plastic Doors *(08 15)*

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
			See CSI section 08 70 00 00-0000 for finish hardware.		
	08 15 13 00-0001		**Laminated Plastic Doors** *(08 15 13)* Note: 0.125" acrylic/PVC thermoplastic face sheet over 1-1/2" x 1-1/2" x 16 gauge welded steel tube framework and a core of resin impregnated Kraft honeycomb (Urethane insulation). Panel capping channel to be 304 stainless steel.		
	08 15 13 00-0002	EA	Door, Plastic Clad 1-3/8", 1/6 X 6/8	269.32	39.17
			For Machining for Mortise Lock, Add	*35.00*	
	08 15 13 00-0003	EA	Door, Plastic Clad 1-3/4", 1/6 X 6/8	269.32	39.17
			For Machining for Mortise Lock, Add	*35.00*	
	08 15 13 00-0004	EA	Door, Plastic Clad 1-3/8", 1/6 X 7/0	269.32	39.17
			For Machining for Mortise Lock, Add	*35.00*	
	08 15 13 00-0005	EA	Door, Plastic Clad 1-3/4", 1/6 X 7/0	269.32	39.17
			For Machining for Mortise Lock, Add	*35.00*	
	08 15 13 00-0006	EA	Door, Plastic Clad 1-3/8", 2/0 X 6/8	277.16	43.08
			For Machining for Mortise Lock, Add	*35.00*	
	08 15 13 00-0007	EA	Door, Plastic Clad 1-3/4", 2/0 X 6/8	277.16	43.08
			For Machining for Mortise Lock, Add	*35.00*	
	08 15 13 00-0008	EA	Door, Plastic Clad 1-3/8", 2/0 X 7/0	277.16	43.08
			For Machining for Mortise Lock, Add	*35.00*	
	08 15 13 00-0009	EA	Door, Plastic Clad 1-3/4", 2/0 X 7/0	277.16	43.08
			For Machining for Mortise Lock, Add	*35.00*	
	08 15 13 00-0010	EA	Door, Plastic Clad 1-3/8", 2/6 X 6/8	300.79	45.05
			For Machining for Mortise Lock, Add	*35.00*	
	08 15 13 00-0011	EA	Door, Plastic Clad 1-3/4", 2/6 X 6/8	300.79	45.05
			For Machining for Mortise Lock, Add	*35.00*	
	08 15 13 00-0012	EA	Door, Plastic Clad 1-3/8", 2/6 X 7/0	300.79	43.08
			For Machining for Mortise Lock, Add	*35.00*	
	08 15 13 00-0013	EA	Door, Plastic Clad 1-3/4", 2/6 X 7/0	300.79	45.05
			For Machining for Mortise Lock, Add	*35.00*	
	08 15 13 00-0014	EA	Door, Plastic Clad 1-3/8", 3/0 X 6/8	324.44	47.00
			For Machining for Mortise Lock, Add	*35.00*	
	08 15 13 00-0015	EA	Door, Plastic Clad 1-3/4", 3/0 X 6/8	324.44	47.00
			For Machining for Mortise Lock, Add	*35.00*	
	08 15 13 00-0016	EA	Door, Plastic Clad 1-3/8", 3/0 X 7/0	324.44	47.00
			For Machining for Mortise Lock, Add	*35.00*	
	08 15 13 00-0017	EA	Door, Plastic Clad 1-3/4", 3/0 X 7/0	324.44	47.00
			For Machining for Mortise Lock, Add	*35.00*	
	08 15 13 00-0018	EA	Door, Plastic Clad 1-3/8", 3/6 X 6/8	359.50	48.96
			For Machining for Mortise Lock, Add	*35.00*	
	08 15 13 00-0019	EA	Door, Plastic Clad 1-3/4", 3/6 X 6/8	359.50	48.96
			For Machining for Mortise Lock, Add	*35.00*	
	08 15 13 00-0020	EA	Door, Plastic Clad 1-3/8", 3/6 X 7/0	359.50	48.96
			For Machining for Mortise Lock, Add	*35.00*	
	08 15 13 00-0021	EA	Door, Plastic Clad 1-3/4", 3/6 X 7/0	359.50	48.96
			For Machining for Mortise Lock, Add	*35.00*	
	08 15 13 00-0022	EA	Door, Plastic Clad 1-3/8", 4/0 X 6/8	407.81	52.88
			For Machining for Mortise Lock, Add	*35.00*	
	08 15 13 00-0023	EA	Door, Plastic Clad 1-3/4", 4/0 X 6/8	407.81	52.88
			For Machining for Mortise Lock, Add	*35.00*	
	08 15 13 00-0024	EA	Door, Plastic Clad 1-3/8", 4/0 X 7/0	407.81	52.88
			For Machining for Mortise Lock, Add	*35.00*	
	08 15 13 00-0025	EA	Door, Plastic Clad 1-3/4", 4/0 X 7/0	407.81	52.88
			For Machining for Mortise Lock, Add	*35.00*	

08 16 Composite Doors *(08 10)*

Note: Includes machining for all hardware. Excludes finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

08 16 13 Fiberglass Doors *(08 16)*

See CSI section 08 70 00 00-0000 for finish hardware.

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 16 13 00-0001		**Fiberglass Faced Entrance Doors** *(08 16 13)*		
	08 16 13 00-0002	EA	Fiberglass Faced Door, 1-3/4" Standard. H.C., 2/6 X 6/8	437.81	45.05
	08 16 13 00-0003	EA	Fiberglass Faced Door, 1-3/4" Standard. H.C., 2/8 X 6/8	437.81	45.05
	08 16 13 00-0004	EA	Fiberglass Faced Door, 1-3/4" 20 Minute Label, 2/6 X 6/8	448.19	45.05
	08 16 13 00-0005	EA	Fiberglass Faced Door, 1-3/4" 20 Minute Label, 2/8 X 6/8	448.19	45.05
	08 16 13 00-0006	EA	Fiberglass Faced Door, 1-3/4" 1 Hour Label, 2/6 X 6/8	526.04	45.05
	08 16 13 00-0007	EA	Fiberglass Faced Door, 1-3/4" 1 Hour Label, 2/8 X 6/8	526.04	45.05
	08 16 13 00-0008	EA	Fiberglass Faced Door, 1-3/4" 1-1/2 Hour Label, 2/6 X 6/8	549.91	45.05
	08 16 13 00-0009	EA	Fiberglass Faced Door, 1-3/4" 1-1/2 Hour Label, 2/8 X 6/8	549.91	45.05
	08 16 13 00-0010	EA	Fiberglass Faced Door, 1-3/4" Standard H.C., 2/6 X 7/0	459.61	45.05
	08 16 13 00-0011	EA	Fiberglass Faced Door, 1-3/4" Standard H.C., 2/8 X 7/0	459.61	45.05
	08 16 13 00-0012	EA	Fiberglass Faced Door, 1-3/4" 20 Minute Label, 2/6 X 7/0	474.14	45.05
	08 16 13 00-0013	EA	Fiberglass Faced Door, 1-3/4" 20 Minute Label, 2/8 X 7/0	474.14	45.05
	08 16 13 00-0014	EA	Fiberglass Faced Door, 1-3/4" 1 Hour Label, 2/6 X 7/0	548.88	45.05
	08 16 13 00-0015	EA	Fiberglass Faced Door, 1-3/4" 1 Hour Label, 2/8 X 7/0	548.88	45.05
	08 16 13 00-0016	EA	Fiberglass Faced Door, 1-3/4" 1-1/2 Hour Label, 2/6 X 7/0	574.83	45.05
	08 16 13 00-0017	EA	Fiberglass Faced Door, 1-3/4" 1-1/2 Hour Label, 2/8 X 7/0	574.83	45.05
	08 16 13 00-0018	EA	Fiberglass Faced Door, 1-3/4" Standard H.C., 3/0 X 6/8	497.78	47.00
	08 16 13 00-0019	EA	Fiberglass Faced Door, 1-3/4" 20 Minute Label, 3/0 X 6/8	529.96	47.00
	08 16 13 00-0020	EA	Fiberglass Faced Door, 1-3/4" 1 Hour Label, 3/0 X 6/8	615.08	47.00
	08 16 13 00-0021	EA	Fiberglass Faced Door, 1-3/4" 1-1/2 Hour Label, 3/0 X 6/8	642.06	47.00
	08 16 13 00-0022	EA	Fiberglass Faced Door, 1-3/4" Standard H.C., 3/0 X 7/0	552.80	47.00

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0023	EA	Fiberglass Faced Door, 1-3/4" 20 Minute Label, 3/0 X 7/0	570.44	47.00
08 16 13 00-0024	EA	Fiberglass Faced Door, 1-3/4" 1 Hour Label, 3/0 X 7/0	661.79	47.00
08 16 13 00-0025	EA	Fiberglass Faced Door, 1-3/4" 1-1/2 Hour Label, 3/0 X 7/0	686.70	47.00
08 16 13 00-0026	EA	Fiberglass Faced Door, 1-3/4" Standard H.C., 3/6 X 6/8	619.00	48.96
08 16 13 00-0027	EA	Fiberglass Faced Door, 1-3/4" 20 Minute Label, 3/6 X 6/8	630.41	48.96
08 16 13 00-0028	EA	Fiberglass Faced Door, 1-3/4" 1 Hour Label, 3/6 X 6/8	733.18	48.96
08 16 13 00-0029	EA	Fiberglass Faced Door, 1-3/4" 1-1/2 Hour Label, 3/6 X 6/8	760.16	48.96
08 16 13 00-0030	EA	Fiberglass Faced Door, 1-3/4" Standard H.C., 3/6 X 7/0	645.98	48.96
08 16 13 00-0031	EA	Fiberglass Faced Door, 1-3/4" 20 Minute Label, 3/6 X 7/0	669.86	48.96
08 16 13 00-0032	EA	Fiberglass Faced Door, 1-3/4" 1 Hour Label, 3/6 X 7/0	777.81	48.96
08 16 13 00-0033	EA	Fiberglass Faced Door, 1-3/4" 1-1/2 Hour Label, 3/6 X 7/0	808.95	48.96
08 16 13 00-0034	EA	Fiberglass Faced Door, 1-3/4" Standard H.C., 4/0 X 6/8	717.13	52.88
08 16 13 00-0035	EA	Fiberglass Faced Door, 1-3/4" 20 Minute Label, 4/0 X 6/8	733.74	52.88
08 16 13 00-0036	EA	Fiberglass Faced Door, 1-3/4" 1 Hour Label, 4/0 X 6/8	854.15	52.88
08 16 13 00-0037	EA	Fiberglass Faced Door, 1-3/4" 1-1/2 Hour Label, 4/0 X 6/8	885.29	52.88
08 16 13 00-0038	EA	Fiberglass Faced Door, 1-3/4" Standard H.C., 4/0 X 7/0	759.69	52.88
08 16 13 00-0039	EA	Fiberglass Faced Door, 1-3/4" 20 Minute Label, 4/0 X 7/0	778.37	52.88
08 16 13 00-0040	EA	Fiberglass Faced Door, 1-3/4" 1 Hour Label, 4/0 X 7/0	898.78	52.88
08 16 13 00-0041	EA	Fiberglass Faced Door, 1-3/4" 1-1/2 Hour Label, 4/0 X 7/0	933.04	52.88

08 16 13 00-0042 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Frames And Doors *(08 16 13)*

08 16 13 00-0043 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0042)*

08 16 13 00-0044 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0043)*

Note: White, tan, brown or gray finish. Includes factory hardware prep and 25 Mil resin rich gel coat.

08 16 13 00-0045 Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0044)*

Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.

08 16 13 00-0046 6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0045)*

08 16 13 00-0047	EA	3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	1,671.32	47.00
		For Custom Color Finish, Add	*88.90*	
		For Stainless Steel Continuous Hinge, Add	*197.88*	
08 16 13 00-0048	EA	3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	1,695.95	48.96
		For Custom Color Finish, Add	*88.90*	
		For Stainless Steel Continuous Hinge, Add	*197.88*	
08 16 13 00-0049	EA	4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	1,859.10	52.88
		For Custom Color Finish, Add	*88.90*	
		For Stainless Steel Continuous Hinge, Add	*197.88*	
08 16 13 00-0050	PR	Pair 3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,058.28	89.30
		For Custom Color Finish, Add	*177.80*	
		For Stainless Steel Continuous Hinge, Add	*395.77*	
08 16 13 00-0051	PR	Pair 3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,082.97	93.02
		For Custom Color Finish, Add	*177.80*	
		For Stainless Steel Continuous Hinge, Add	*395.77*	
08 16 13 00-0052	PR	Pair 4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,432.66	100.46
		For Custom Color Finish, Add	*177.80*	
		For Stainless Steel Continuous Hinge, Add	*395.77*	

08 16 13 00-0053 7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0045)*

08 16 13 00-0054	EA	3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	1,671.32	47.00
		For Custom Color Finish, Add	*88.90*	
		For Stainless Steel Continuous Hinge, Add	*197.88*	
08 16 13 00-0055	EA	3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	1,735.07	48.96
		For Custom Color Finish, Add	*88.90*	
		For Stainless Steel Continuous Hinge, Add	*197.88*	
08 16 13 00-0056	EA	4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	1,900.51	52.88
		For Custom Color Finish, Add	*88.90*	
		For Stainless Steel Continuous Hinge, Add	*197.88*	
08 16 13 00-0057	PR	Pair 3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,058.28	89.30
		For Custom Color Finish, Add	*177.80*	
		For Stainless Steel Continuous Hinge, Add	*395.77*	
08 16 13 00-0058	PR	Pair 3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,275.11	93.02
		For Custom Color Finish, Add	*177.80*	
		For Stainless Steel Continuous Hinge, Add	*395.77*	
08 16 13 00-0059	PR	Pair 4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,515.49	100.46
		For Custom Color Finish, Add	*177.80*	
		For Stainless Steel Continuous Hinge, Add	*395.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0060		Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0044)* Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0061		45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0060)*		
08 16 13 00-0062		6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0061)*		
08 16 13 00-0063	EA	3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,148.78	47.00
		For Custom Color Finish, Add	*88.90*	
		For Stainless Steel Continuous Hinge, Add	*197.88*	
08 16 13 00-0064	EA	3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,194.11	48.96
		For Custom Color Finish, Add	*88.90*	
		For Stainless Steel Continuous Hinge, Add	*197.88*	
08 16 13 00-0065	EA	4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,322.74	52.88
		For Custom Color Finish, Add	*88.90*	
		For Stainless Steel Continuous Hinge, Add	*197.88*	
08 16 13 00-0066	PR	Pair 3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,771.58	89.30
		For Custom Color Finish, Add	*177.80*	
		For Stainless Steel Continuous Hinge, Add	*395.77*	
08 16 13 00-0067	PR	Pair 3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,820.44	93.02
		For Custom Color Finish, Add	*177.80*	
		For Stainless Steel Continuous Hinge, Add	*395.77*	
08 16 13 00-0068	PR	Pair 4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,118.35	100.46
		For Custom Color Finish, Add	*177.80*	
		For Stainless Steel Continuous Hinge, Add	*395.77*	
08 16 13 00-0069		7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0061)*		
08 16 13 00-0070	EA	3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,148.78	47.00
		For Custom Color Finish, Add	*88.90*	
		For Stainless Steel Continuous Hinge, Add	*197.88*	
08 16 13 00-0071	EA	3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,187.21	48.96
		For Custom Color Finish, Add	*88.90*	
		For Stainless Steel Continuous Hinge, Add	*197.88*	
08 16 13 00-0072	EA	4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,372.22	52.88
		For Custom Color Finish, Add	*88.90*	
		For Stainless Steel Continuous Hinge, Add	*197.88*	
08 16 13 00-0073	PR	Pair 3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,771.58	89.30
		For Custom Color Finish, Add	*177.80*	
		For Stainless Steel Continuous Hinge, Add	*395.77*	
08 16 13 00-0074	PR	Pair 3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,806.63	93.02
		For Custom Color Finish, Add	*177.80*	
		For Stainless Steel Continuous Hinge, Add	*395.77*	
08 16 13 00-0075	PR	Pair 4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,217.29	100.46
		For Custom Color Finish, Add	*177.80*	
		For Stainless Steel Continuous Hinge, Add	*395.77*	
08 16 13 00-0076		60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0060)*		
08 16 13 00-0077		6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0076)*		
08 16 13 00-0078	EA	3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,148.78	47.00
		For Custom Color Finish, Add	*88.90*	
		For Stainless Steel Continuous Hinge, Add	*197.88*	
08 16 13 00-0079	EA	3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,194.11	48.96
		For Custom Color Finish, Add	*88.90*	
		For Stainless Steel Continuous Hinge, Add	*197.88*	
08 16 13 00-0080	EA	4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,322.74	52.88
		For Custom Color Finish, Add	*88.90*	
		For Stainless Steel Continuous Hinge, Add	*197.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0081	PR	Pair 3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,771.58	89.30
		For Custom Color Finish, Add	*177.80*	
		For Stainless Steel Continuous Hinge, Add	*395.77*	
08 16 13 00-0082	PR	Pair 3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,820.44	93.02
		For Custom Color Finish, Add	*177.80*	
		For Stainless Steel Continuous Hinge, Add	*395.77*	
08 16 13 00-0083	PR	Pair 4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,118.35	100.46
		For Custom Color Finish, Add	*177.80*	
		For Stainless Steel Continuous Hinge, Add	*395.77*	
08 16 13 00-0084		7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0076)*		
08 16 13 00-0085	EA	3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,148.78	47.00
		For Custom Color Finish, Add	*88.90*	
		For Stainless Steel Continuous Hinge, Add	*197.88*	
08 16 13 00-0086	EA	3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,187.21	48.96
		For Custom Color Finish, Add	*88.90*	
		For Stainless Steel Continuous Hinge, Add	*197.88*	
08 16 13 00-0087	EA	4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,372.22	52.88
		For Custom Color Finish, Add	*88.90*	
		For Stainless Steel Continuous Hinge, Add	*197.88*	
08 16 13 00-0088	PR	Pair 3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,771.58	89.30
		For Custom Color Finish, Add	*177.80*	
		For Stainless Steel Continuous Hinge, Add	*395.77*	
08 16 13 00-0089	PR	Pair 3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,806.63	93.02
		For Custom Color Finish, Add	*177.80*	
		For Stainless Steel Continuous Hinge, Add	*395.77*	
08 16 13 00-0090	PR	Pair 4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,217.29	100.46
		For Custom Color Finish, Add	*177.80*	
		For Stainless Steel Continuous Hinge, Add	*395.77*	
08 16 13 00-0091		90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0060)*		
08 16 13 00-0092		6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0091)*		
08 16 13 00-0093	EA	3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,148.78	47.00
		For Custom Color Finish, Add	*88.90*	
		For Stainless Steel Continuous Hinge, Add	*197.88*	
08 16 13 00-0094	EA	3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,194.11	48.96
		For Custom Color Finish, Add	*88.90*	
		For Stainless Steel Continuous Hinge, Add	*197.88*	
08 16 13 00-0095	EA	4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,322.74	52.88
		For Custom Color Finish, Add	*88.90*	
		For Stainless Steel Continuous Hinge, Add	*197.88*	
08 16 13 00-0096	PR	Pair 3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,771.58	89.30
		For Custom Color Finish, Add	*177.80*	
		For Stainless Steel Continuous Hinge, Add	*395.77*	
08 16 13 00-0097	PR	Pair 3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,820.44	93.02
		For Custom Color Finish, Add	*177.80*	
		For Stainless Steel Continuous Hinge, Add	*395.77*	
08 16 13 00-0098	PR	Pair 4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,180.47	100.46
		For Custom Color Finish, Add	*177.80*	
		For Stainless Steel Continuous Hinge, Add	*395.77*	
08 16 13 00-0099		7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0091)*		
08 16 13 00-0100	EA	3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,148.78	47.00
		For Custom Color Finish, Add	*88.90*	
		For Stainless Steel Continuous Hinge, Add	*197.88*	
08 16 13 00-0101	EA	3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,187.21	48.96
		For Custom Color Finish, Add	*88.90*	
		For Stainless Steel Continuous Hinge, Add	*197.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0102	EA	4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,372.22	52.88
		For Custom Color Finish, Add	*88.90*	
		For Stainless Steel Continuous Hinge, Add	*197.88*	
08 16 13 00-0103	PR	Pair 3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,771.58	89.30
		For Custom Color Finish, Add	*177.80*	
		For Stainless Steel Continuous Hinge, Add	*395.77*	
08 16 13 00-0104	PR	Pair 3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,861.86	93.02
		For Custom Color Finish, Add	*177.80*	
		For Stainless Steel Continuous Hinge, Add	*395.77*	
08 16 13 00-0105	PR	Pair 4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,281.72	100.46
		For Custom Color Finish, Add	*177.80*	
		For Stainless Steel Continuous Hinge, Add	*395.77*	

08 16 13 00-0106 Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0044)*

Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.

08 16 13 00-0107 6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0106)*

08 16 13 00-0108	EA	3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	1,731.15	47.00
		For Custom Color Finish, Add	*88.90*	
		For Stainless Steel Continuous Hinge, Add	*197.88*	

08 16 13 00-0109 7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0106)*

08 16 13 00-0110	EA	3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	1,731.15	47.00
		For Custom Color Finish, Add	*88.90*	
		For Stainless Steel Continuous Hinge, Add	*197.88*	

08 16 13 00-0111 Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Chem-Pruf) *(08 16 13 00-0043)*

08 16 13 00-0112	SI	1/4" Tempered, Factory Installed Vision Glass (Chem-Pruf)	0.24	
08 16 13 00-0113	SI	1/4" Laminated, Factory Installed Vision Glass (Chem-Pruf)	0.38	
08 16 13 00-0114	SI	1/4" Wire, Factory Installed Vision Glass (Chem-Pruf)	0.32	
08 16 13 00-0115	SI	1/2" Insulated, Factory Installed Vision Glass (Chem-Pruf)	0.34	
08 16 13 00-0116	SI	Factory Installed Molded Louver (Chem-Pruf)	0.24	
08 16 13 00-0117	SI	Factory Installed Molded Louver With Insect Screen (Chem-Pruf)	0.32	
08 16 13 00-0118	LF	Weather Strip (Chem-Pruf)	6.90	
08 16 13 00-0119	LF	Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Chem-Pruf)	9.20	
08 16 13 00-0120	LF	1/2" Fiberglass Reinforced Polyester (FRP) Grooved Saddle Threshold (Chem-Pruf)	18.41	
08 16 13 00-0121	LF	Fiberglass Reinforced Polyester (FRP) Door Sweep (Chem-Pruf)	23.01	
08 16 13 00-0122	LF	2-1/4" Fiberglass Reinforced Polyester (FRP) Center Door Mullion (Chem-Pruf)	44.87	

08 16 13 00-0123 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0042)*

08 16 13 00-0124 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0123)*

Note: White, tan, brown or gray finish. Includes factory hardware prep.

08 16 13 00-0125 Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0124)*

Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.

08 16 13 00-0126 6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0125)*

08 16 13 00-0127	EA	3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	1,324.92	47.00
		For Custom Color Finish, Add	*88.90*	
		For Stainless Steel Continuous Hinge, Add	*197.88*	
08 16 13 00-0128	EA	3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	1,343.80	48.96
		For Custom Color Finish, Add	*88.90*	
		For Stainless Steel Continuous Hinge, Add	*197.88*	
08 16 13 00-0129	EA	4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	1,409.15	52.88
		For Custom Color Finish, Add	*88.90*	
		For Stainless Steel Continuous Hinge, Add	*197.88*	
08 16 13 00-0130	PR	Pair 3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,458.66	89.30
		For Custom Color Finish, Add	*177.80*	
		For Stainless Steel Continuous Hinge, Add	*395.77*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0131	PR	Pair 3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,496.02	93.02
		For Custom Color Finish, Add	*177.80*	
		For Stainless Steel Continuous Hinge, Add	*395.77*	
08 16 13 00-0132	PR	Pair 4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,625.96	100.46
		For Custom Color Finish, Add	*177.80*	
		For Stainless Steel Continuous Hinge, Add	*395.77*	
08 16 13 00-0133		7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0125)*		
08 16 13 00-0134	EA	3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	1,324.92	47.00
		For Custom Color Finish, Add	*88.90*	
		For Stainless Steel Continuous Hinge, Add	*197.88*	
08 16 13 00-0135	EA	3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	1,401.32	48.96
		For Custom Color Finish, Add	*88.90*	
		For Stainless Steel Continuous Hinge, Add	*197.88*	
08 16 13 00-0136	EA	4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	1,409.15	52.88
		For Custom Color Finish, Add	*88.90*	
		For Stainless Steel Continuous Hinge, Add	*197.88*	
08 16 13 00-0137	PR	Pair 3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,458.66	89.30
		For Custom Color Finish, Add	*177.80*	
		For Stainless Steel Continuous Hinge, Add	*395.77*	
08 16 13 00-0138	PR	Pair 3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,611.07	93.02
		For Custom Color Finish, Add	*177.80*	
		For Stainless Steel Continuous Hinge, Add	*395.77*	
08 16 13 00-0139	PR	Pair 4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,625.96	100.46
		For Custom Color Finish, Add	*177.80*	
		For Stainless Steel Continuous Hinge, Add	*395.77*	
08 16 13 00-0140		Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0124)*		
		Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0141		45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0140)*		
08 16 13 00-0142		6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0141)*		
08 16 13 00-0143	EA	3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,187.79	47.00
		For Custom Color Finish, Add	*88.90*	
		For Stainless Steel Continuous Hinge, Add	*197.88*	
08 16 13 00-0144	EA	3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,233.13	48.96
		For Custom Color Finish, Add	*88.90*	
		For Stainless Steel Continuous Hinge, Add	*197.88*	
08 16 13 00-0145	EA	4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,339.90	52.88
		For Custom Color Finish, Add	*88.90*	
		For Stainless Steel Continuous Hinge, Add	*197.88*	
08 16 13 00-0146	PR	Pair 3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	3,946.25	89.30
		For Custom Color Finish, Add	*177.80*	
		For Stainless Steel Continuous Hinge, Add	*395.77*	
08 16 13 00-0147	PR	Pair 3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,036.52	93.02
		For Custom Color Finish, Add	*177.80*	
		For Stainless Steel Continuous Hinge, Add	*395.77*	
08 16 13 00-0148	PR	Pair 4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,249.30	100.46
		For Custom Color Finish, Add	*177.80*	
		For Stainless Steel Continuous Hinge, Add	*395.77*	
08 16 13 00-0149		7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0141)*		
08 16 13 00-0150	EA	3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,187.79	47.00
		For Custom Color Finish, Add	*88.90*	
		For Stainless Steel Continuous Hinge, Add	*197.88*	
08 16 13 00-0151	EA	3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,249.23	48.96
		For Custom Color Finish, Add	*88.90*	
		For Stainless Steel Continuous Hinge, Add	*197.88*	
08 16 13 00-0152	EA	4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,389.37	52.88
		For Custom Color Finish, Add	*88.90*	
		For Stainless Steel Continuous Hinge, Add	*197.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0153	PR	Pair 3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	3,946.25	89.30
		For Custom Color Finish, Add	*177.80*	
		For Stainless Steel Continuous Hinge, Add	*395.77*	
08 16 13 00-0154	PR	Pair 3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,068.74	93.02
		For Custom Color Finish, Add	*177.80*	
		For Stainless Steel Continuous Hinge, Add	*395.77*	
08 16 13 00-0155	PR	Pair 4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,348.24	100.46
		For Custom Color Finish, Add	*177.80*	
		For Stainless Steel Continuous Hinge, Add	*395.77*	
08 16 13 00-0156		60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0140)*		
08 16 13 00-0157		6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0156)*		
08 16 13 00-0158	EA	3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,187.79	47.00
		For Custom Color Finish, Add	*88.90*	
		For Stainless Steel Continuous Hinge, Add	*197.88*	
08 16 13 00-0159	EA	3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,233.13	48.96
		For Custom Color Finish, Add	*88.90*	
		For Stainless Steel Continuous Hinge, Add	*197.88*	
08 16 13 00-0160	EA	4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,339.90	52.88
		For Custom Color Finish, Add	*88.90*	
		For Stainless Steel Continuous Hinge, Add	*197.88*	
08 16 13 00-0161	PR	Pair 3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	3,946.25	89.30
		For Custom Color Finish, Add	*177.80*	
		For Stainless Steel Continuous Hinge, Add	*395.77*	
08 16 13 00-0162	PR	Pair 3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,036.52	93.02
		For Custom Color Finish, Add	*177.80*	
		For Stainless Steel Continuous Hinge, Add	*395.77*	
08 16 13 00-0163	PR	Pair 4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,249.30	100.46
		For Custom Color Finish, Add	*177.80*	
		For Stainless Steel Continuous Hinge, Add	*395.77*	
08 16 13 00-0164		7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0156)*		
08 16 13 00-0165	EA	3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,187.79	47.00
		For Custom Color Finish, Add	*88.90*	
		For Stainless Steel Continuous Hinge, Add	*197.88*	
08 16 13 00-0166	EA	3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,249.23	48.96
		For Custom Color Finish, Add	*88.90*	
		For Stainless Steel Continuous Hinge, Add	*197.88*	
08 16 13 00-0167	EA	4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,389.37	52.88
		For Custom Color Finish, Add	*88.90*	
		For Stainless Steel Continuous Hinge, Add	*197.88*	
08 16 13 00-0168	PR	Pair 3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	3,946.25	89.30
		For Custom Color Finish, Add	*177.80*	
		For Stainless Steel Continuous Hinge, Add	*395.77*	
08 16 13 00-0169	PR	Pair 3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,068.74	93.02
		For Custom Color Finish, Add	*177.80*	
		For Stainless Steel Continuous Hinge, Add	*395.77*	
08 16 13 00-0170	PR	Pair 4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,348.24	100.46
		For Custom Color Finish, Add	*177.80*	
		For Stainless Steel Continuous Hinge, Add	*395.77*	
08 16 13 00-0171		90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0140)*		
08 16 13 00-0172		6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0171)*		
08 16 13 00-0173	EA	3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,187.79	47.00
		For Custom Color Finish, Add	*88.90*	
		For Stainless Steel Continuous Hinge, Add	*197.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0174	EA	3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,233.13	48.96
		For Custom Color Finish, Add	*88.90*	
		For Stainless Steel Continuous Hinge, Add	*197.88*	
08 16 13 00-0175	EA	4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,339.90	52.88
		For Custom Color Finish, Add	*88.90*	
		For Stainless Steel Continuous Hinge, Add	*197.88*	
08 16 13 00-0176	PR	Pair 3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	3,946.25	89.30
		For Custom Color Finish, Add	*177.80*	
		For Stainless Steel Continuous Hinge, Add	*395.77*	
08 16 13 00-0177	PR	Pair 3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,036.52	93.02
		For Custom Color Finish, Add	*177.80*	
		For Stainless Steel Continuous Hinge, Add	*395.77*	
08 16 13 00-0178	PR	Pair 4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,249.30	100.46
		For Custom Color Finish, Add	*177.80*	
		For Stainless Steel Continuous Hinge, Add	*395.77*	

08 16 13 00-0179 7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0171)*

08 16 13 00-0180	EA	3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,187.79	47.00
		For Custom Color Finish, Add	*88.90*	
		For Stainless Steel Continuous Hinge, Add	*197.88*	
08 16 13 00-0181	EA	3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,249.23	48.96
		For Custom Color Finish, Add	*88.90*	
		For Stainless Steel Continuous Hinge, Add	*197.88*	
08 16 13 00-0182	EA	4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,389.37	52.88
		For Custom Color Finish, Add	*88.90*	
		For Stainless Steel Continuous Hinge, Add	*197.88*	
08 16 13 00-0183	PR	Pair 3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	3,946.25	89.30
		For Custom Color Finish, Add	*177.80*	
		For Stainless Steel Continuous Hinge, Add	*395.77*	
08 16 13 00-0184	PR	Pair 3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,068.74	93.02
		For Custom Color Finish, Add	*177.80*	
		For Stainless Steel Continuous Hinge, Add	*395.77*	
08 16 13 00-0185	PR	Pair 4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,348.24	100.46
		For Custom Color Finish, Add	*177.80*	
		For Stainless Steel Continuous Hinge, Add	*395.77*	

08 16 13 00-0186 Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0124)*

Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.

08 16 13 00-0187 6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0186)*

08 16 13 00-0188	EA	3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	1,497.49	47.00
		For Custom Color Finish, Add	*88.90*	
		For Stainless Steel Continuous Hinge, Add	*197.88*	

08 16 13 00-0189 7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0186)*

08 16 13 00-0190	EA	3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	1,497.49	47.00
		For Custom Color Finish, Add	*88.90*	
		For Stainless Steel Continuous Hinge, Add	*197.88*	

08 16 13 00-0191 Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Skule Door) *(08 16 13 00-0123)*

08 16 13 00-0192	SI	1/4" Tempered, Factory Installed Vision Glass (Skule Door)	0.54
08 16 13 00-0193	SI	1/4" Laminated, Factory Installed Vision Glass (Skule Door)	0.56
08 16 13 00-0194	SI	1/4" Wire, Factory Installed Vision Glass (Skule Door)	0.59
08 16 13 00-0195	SI	1/2" Insulated, Factory Installed Vision Glass (Skule Door)	0.85
08 16 13 00-0196	SI	Factory Installed Molded Louver (Skule Door)	0.34
08 16 13 00-0197	SI	Factory Installed Molded Louver With Insect Screen (Skule Door)	0.54
08 16 13 00-0198	LF	Weather Strip (Skule Door)	4.60
08 16 13 00-0199	LF	Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Skule Door)	5.75
08 16 13 00-0200	LF	1/2" Fiberglass Reinforced Polyester (FRP) Grooved Saddle Threshold (Skule Door)	18.41
08 16 13 00-0201	LF	Fiberglass Reinforced Polyester (FRP) Door Sweep (Skule Door)	65.58
08 16 13 00-0202	LF	2-1/4" Fiberglass Reinforced Polyester (FRP) Center Door Mullion (Skule Door)	25.31

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 17 Integrated Door Opening Assemblies *(08 10)*

08 17 23 Integrated Metal Door Opening Assemblies *(08 17)*

08 17 23 00-0001 Pre-Hung Interior Door Units *(08 17 23)*

Note: All prehung doors include door, frame, and trim, all mounting hardware (standard duty ball bearing hinges). Excludes lockset. See CSI section 08 70 00 00-0000 for finish hardware.

08 17 23 00-0002 Hollow Core Doors, 1-3/8" Thick *(08 17 23 00-0001)*

08 17 23 00-0003 Birch Faced *(08 17 23 00-0002)*

08 17 23 00-0004	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door		346.48	48.96
		For Each 1' Of Additional Door Height, Add		*59.65*	
08 17 23 00-0005	EA	2'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door		361.74	48.96
		For Each 1' Of Additional Door Height, Add		*63.32*	
08 17 23 00-0006	EA	2'-8" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door		380.95	50.92
		For Each 1' Of Additional Door Height, Add		*66.99*	
08 17 23 00-0007	EA	3' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door		389.42	52.88
		For Each 1' Of Additional Door Height, Add		*68.08*	
08 17 23 00-0008	EA	3'-4" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door		417.12	52.88
		For Each 1' Of Additional Door Height, Add		*74.73*	
08 17 23 00-0009	EA	3'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door		440.97	54.83
		For Each 1' Of Additional Door Height, Add		*79.51*	
08 17 23 00-0010	EA	Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door		657.69	80.30
		For Each 1' Of Additional Door Height, Add		*119.30*	
08 17 23 00-0011	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door		700.02	86.17
		For Each 1' Of Additional Door Height, Add		*126.65*	
08 17 23 00-0012	EA	Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door		751.40	92.05
		For Each 1' Of Additional Door Height, Add		*136.15*	

08 17 23 00-0013 Lauan Faced *(08 17 23 00-0002)*

08 17 23 00-0014	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door		313.96	48.96
		For Each 1' Of Additional Door Height, Add		*51.85*	
08 17 23 00-0015	EA	2'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door		328.61	48.96
		For Each 1' Of Additional Door Height, Add		*55.37*	
08 17 23 00-0016	EA	2'-8" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door		344.88	50.92
		For Each 1' Of Additional Door Height, Add		*58.33*	
08 17 23 00-0017	EA	3' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door		357.53	52.88
		For Each 1' Of Additional Door Height, Add		*60.42*	
08 17 23 00-0018	EA	3'-4" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door		381.60	52.88
		For Each 1' Of Additional Door Height, Add		*66.20*	
08 17 23 00-0019	EA	3'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door		403.14	54.83
		For Each 1' Of Additional Door Height, Add		*70.43*	
08 17 23 00-0020	EA	Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door		592.68	80.30
		For Each 1' Of Additional Door Height, Add		*103.70*	
08 17 23 00-0021	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door		633.66	86.17
		For Each 1' Of Additional Door Height, Add		*110.72*	
08 17 23 00-0022	EA	Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door		687.69	92.05
		For Each 1' Of Additional Door Height, Add		*120.86*	

08 17 23 00-0023 Tempered Hardboard Faced *(08 17 23 00-0002)*

08 17 23 00-0024	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Dr		267.28	48.96
		For Each 1' Of Additional Door Height, Add		*40.65*	
08 17 23 00-0025	EA	2'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door		279.63	48.96
		For Each 1' Of Additional Door Height, Add		*43.61*	
08 17 23 00-0026	EA	2'-8" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door		289.40	50.92
		For Each 1' Of Additional Door Height, Add		*45.02*	
08 17 23 00-0027	EA	3' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door		305.04	52.88
		For Each 1' Of Additional Door Height, Add		*47.83*	
08 17 23 00-0028	EA	3'-4" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door		326.95	52.88
		For Each 1' Of Additional Door Height, Add		*53.09*	
08 17 23 00-0029	EA	3'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door		345.03	54.83
		For Each 1' Of Additional Door Height, Add		*56.49*	
08 17 23 00-0030	EA	Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door		499.30	80.30
		For Each 1' Of Additional Door Height, Add		*81.29*	
08 17 23 00-0031	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door		535.74	86.17
		For Each 1' Of Additional Door Height, Add		*87.22*	
08 17 23 00-0032	EA	Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door		582.65	92.05
		For Each 1' Of Additional Door Height, Add		*95.66*	

08 17 23 00-0033 Solid Core Doors, 1-3/8" Thick *(08 17 23 00-0001)*

08 17 23 00-0034 Birch Faced *(08 17 23 00-0033)*

08 17 23 00-0035	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door		463.91	48.96
		For Each 1' Of Additional Door Height, Add		*87.84*	
08 17 23 00-0036	EA	2'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door		483.16	48.96
		For Each 1' Of Additional Door Height, Add		*92.46*	
08 17 23 00-0037	EA	2'-8" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door		506.28	50.92
		For Each 1' Of Additional Door Height, Add		*97.07*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0038	EA	3' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	533.63	52.88
		For Each 1' Of Additional Door Height, Add	*102.69*	
08 17 23 00-0039	EA	3'-4" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	580.62	52.88
		For Each 1' Of Additional Door Height, Add	*113.97*	
08 17 23 00-0040	EA	3'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	626.04	54.83
		For Each 1' Of Additional Door Height, Add	*123.93*	
08 17 23 00-0041	EA	Pair 2' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	892.58	80.30
		For Each 1' Of Additional Door Height, Add	*175.68*	
08 17 23 00-0042	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	942.82	86.17
		For Each 1' Of Additional Door Height, Add	*184.92*	
08 17 23 00-0043	EA	Pair 3' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	1,039.84	92.05
		For Each 1' Of Additional Door Height, Add	*205.38*	

08 17 23 00-0044 Lauan Faced *(08 17 23 00-0033)*

08 17 23 00-0045	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	414.79	48.96
		For Each 1' Of Additional Door Height, Add	*76.05*	
08 17 23 00-0046	EA	2'-6" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	432.21	48.96
		For Each 1' Of Additional Door Height, Add	*80.23*	
08 17 23 00-0047	EA	2'-8" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	453.52	50.92
		For Each 1' Of Additional Door Height, Add	*84.41*	
08 17 23 00-0048	EA	3' x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	475.03	52.88
		For Each 1' Of Additional Door Height, Add	*88.63*	
08 17 23 00-0049	EA	3'-4" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	515.64	52.88
		For Each 1' Of Additional Door Height, Add	*98.37*	
08 17 23 00-0050	EA	3'-6" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	545.79	54.83
		For Each 1' Of Additional Door Height, Add	*104.67*	
08 17 23 00-0051	EA	Pair 2' x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	794.32	80.30
		For Each 1' Of Additional Door Height, Add	*152.10*	
08 17 23 00-0052	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	840.94	86.17
		For Each 1' Of Additional Door Height, Add	*160.47*	
08 17 23 00-0053	EA	Pair 3' x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	922.62	92.05
		For Each 1' Of Additional Door Height, Add	*177.25*	

08 17 23 00-0054 Tempered Hardboard Faced *(08 17 23 00-0033)*

08 17 23 00-0055	EA	2'-0" - 2'-4" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	371.04	48.96
		For Each 1' Of Additional Door Height, Add	*65.55*	
08 17 23 00-0056	EA	2'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	386.85	48.96
		For Each 1' Of Additional Door Height, Add	*69.34*	
08 17 23 00-0057	EA	2'-8" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	406.63	50.92
		For Each 1' Of Additional Door Height, Add	*73.15*	
08 17 23 00-0058	EA	3' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	416.41	52.88
		For Each 1' Of Additional Door Height, Add	*74.56*	
08 17 23 00-0059	EA	3'-4" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	450.67	52.88
		For Each 1' Of Additional Door Height, Add	*82.78*	
08 17 23 00-0060	EA	3'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	476.68	54.83
		For Each 1' Of Additional Door Height, Add	*88.08*	
08 17 23 00-0061	PR	Pair 2' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	706.82	80.30
		For Each 1' Of Additional Door Height, Add	*131.10*	
08 17 23 00-0062	PR	Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	750.19	86.17
		For Each 1' Of Additional Door Height, Add	*138.69*	
08 17 23 00-0063	PR	Pair 3' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	805.39	92.05
		For Each 1' Of Additional Door Height, Add	*149.12*	

08 17 23 00-0064 Hollow Core Doors, 1-3/4" Thick *(08 17 23 00-0001)*

08 17 23 00-0065 Birch Faced *(08 17 23 00-0064)*

08 17 23 00-0066	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	408.58	48.96
		For Each 1' Of Additional Door Height, Add	*74.56*	
08 17 23 00-0067	EA	2'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	420.30	48.96
		For Each 1' Of Additional Door Height, Add	*77.37*	
08 17 23 00-0068	EA	2'-8" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	428.55	50.92
		For Each 1' Of Additional Door Height, Add	*78.41*	
08 17 23 00-0069	EA	3' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	451.58	52.88
		For Each 1' Of Additional Door Height, Add	*83.00*	
08 17 23 00-0070	EA	3'-4" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	502.31	52.88
		For Each 1' Of Additional Door Height, Add	*95.17*	
08 17 23 00-0071	EA	3'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	565.50	54.83
		For Each 1' Of Additional Door Height, Add	*109.40*	
08 17 23 00-0072	EA	Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	781.93	80.30
		For Each 1' Of Additional Door Height, Add	*149.12*	
08 17 23 00-0073	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	817.10	86.17
		For Each 1' Of Additional Door Height, Add	*154.74*	
08 17 23 00-0074	EA	Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	875.77	92.05
		For Each 1' Of Additional Door Height, Add	*166.00*	

08 17 23 00-0075 Lauan Faced *(08 17 23 00-0064)*

08 17 23 00-0076	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	372.37	48.96
		For Each 1' Of Additional Door Height, Add	*65.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0077	EA	2'-6" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	391.28	48.96
		For Each 1' Of Additional Door Height, Add	*70.41*	
08 17 23 00-0078	EA	2'-8" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	410.54	50.92
		For Each 1' Of Additional Door Height, Add	*74.09*	
08 17 23 00-0079	EA	3' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	420.53	52.88
		For Each 1' Of Additional Door Height, Add	*75.55*	
08 17 23 00-0080	EA	3'-4" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	455.14	52.88
		For Each 1' Of Additional Door Height, Add	*83.85*	
08 17 23 00-0081	EA	3'-6" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	481.41	54.83
		For Each 1' Of Additional Door Height, Add	*89.22*	
08 17 23 00-0082	EA	Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	709.49	80.30
		For Each 1' Of Additional Door Height, Add	*131.74*	
08 17 23 00-0083	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	759.05	86.17
		For Each 1' Of Additional Door Height, Add	*140.81*	
08 17 23 00-0084	EA	Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	813.66	92.05
		For Each 1' Of Additional Door Height, Add	*151.10*	

08 17 23 00-0085 Tempered Hardboard Faced *(08 17 23 00-0064)*

08 17 23 00-0086	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	308.92	48.96
		For Each 1' Of Additional Door Height, Add	*50.64*	
08 17 23 00-0087	EA	2'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	314.80	48.96
		For Each 1' Of Additional Door Height, Add	*52.05*	
08 17 23 00-0088	EA	2'-8" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	330.44	50.92
		For Each 1' Of Additional Door Height, Add	*54.87*	
08 17 23 00-0089	EA	3' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	346.09	52.88
		For Each 1' Of Additional Door Height, Add	*57.68*	
08 17 23 00-0090	EA	3'-4" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	359.47	52.88
		For Each 1' Of Additional Door Height, Add	*60.89*	
08 17 23 00-0091	EA	3'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	379.64	54.83
		For Each 1' Of Additional Door Height, Add	*64.79*	
08 17 23 00-0092	EA	Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	582.57	80.30
		For Each 1' Of Additional Door Height, Add	*101.28*	
08 17 23 00-0093	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	606.09	86.17
		For Each 1' Of Additional Door Height, Add	*104.10*	
08 17 23 00-0094	EA	Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	664.77	92.05
		For Each 1' Of Additional Door Height, Add	*115.36*	

08 17 23 00-0095 Solid Core Doors, 1-3/4" Thick *(08 17 23 00-0001)*

08 17 23 00-0096 Birch Faced *(08 17 23 00-0095)*

08 17 23 00-0097	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	519.96	48.96
		For Each 1' Of Additional Door Height, Add	*101.29*	
08 17 23 00-0098	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	537.53	48.96
		For Each 1' Of Additional Door Height, Add	*105.51*	
08 17 23 00-0099	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	547.32	50.92
		For Each 1' Of Additional Door Height, Add	*106.92*	
08 17 23 00-0100	EA	3' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	568.81	52.88
		For Each 1' Of Additional Door Height, Add	*111.13*	
08 17 23 00-0101	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	619.75	52.88
		For Each 1' Of Additional Door Height, Add	*123.36*	
08 17 23 00-0102	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	675.11	54.83
		For Each 1' Of Additional Door Height, Add	*135.71*	
08 17 23 00-0103	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	1,004.67	80.30
		For Each 1' Of Additional Door Height, Add	*202.58*	
08 17 23 00-0104	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	1,051.55	86.17
		For Each 1' Of Additional Door Height, Add	*211.01*	
08 17 23 00-0105	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	1,110.21	92.05
		For Each 1' Of Additional Door Height, Add	*222.27*	

08 17 23 00-0106 Lauan Faced *(08 17 23 00-0095)*

08 17 23 00-0107	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	529.23	48.96
		For Each 1' Of Additional Door Height, Add	*103.51*	
08 17 23 00-0108	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	530.49	48.96
		For Each 1' Of Additional Door Height, Add	*103.82*	
08 17 23 00-0109	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	546.82	50.92
		For Each 1' Of Additional Door Height, Add	*106.80*	
08 17 23 00-0110	EA	3' x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	559.74	52.88
		For Each 1' Of Additional Door Height, Add	*108.96*	
08 17 23 00-0111	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	600.77	52.88
		For Each 1' Of Additional Door Height, Add	*118.80*	
08 17 23 00-0112	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	636.36	54.83
		For Each 1' Of Additional Door Height, Add	*126.41*	
08 17 23 00-0113	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	1,023.23	80.30
		For Each 1' Of Additional Door Height, Add	*207.03*	
08 17 23 00-0114	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	1,037.46	86.17
		For Each 1' Of Additional Door Height, Add	*207.63*	
08 17 23 00-0115	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	1,092.06	92.05
		For Each 1' Of Additional Door Height, Add	*217.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 17 23 00-0116 Tempered Hardboard Faced *(08 17 23 00-0095)*

08 17 23 00-0117	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	432.03	48.96
		For Each 1' Of Additional Door Height, Add	*80.19*	
08 17 23 00-0118	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	437.87	48.96
		For Each 1' Of Additional Door Height, Add	*81.59*	
08 17 23 00-0119	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	447.67	50.92
		For Each 1' Of Additional Door Height, Add	*83.00*	
08 17 23 00-0120	EA	3' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	463.32	52.88
		For Each 1' Of Additional Door Height, Add	*85.81*	
08 17 23 00-0121	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	489.55	52.88
		For Each 1' Of Additional Door Height, Add	*92.11*	
08 17 23 00-0122	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	518.03	54.83
		For Each 1' Of Additional Door Height, Add	*98.01*	
08 17 23 00-0123	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	828.79	80.30
		For Each 1' Of Additional Door Height, Add	*160.37*	
08 17 23 00-0124	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	852.25	86.17
		For Each 1' Of Additional Door Height, Add	*163.18*	
08 17 23 00-0125	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	899.21	92.05
		For Each 1' Of Additional Door Height, Add	*171.63*	

08 17 23 00-0126 Oak Or Maple Faced *(08 17 23 00-0095)*

08 17 23 00-0127	EA	2'-0" Or2'-4" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	628.58	48.96
		For Each 1' Of Additional Door Height, Add	*127.36*	
08 17 23 00-0128	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	631.82	48.96
		For Each 1' Of Additional Door Height, Add	*128.14*	
08 17 23 00-0129	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	663.16	50.92
		For Each 1' Of Additional Door Height, Add	*134.72*	
08 17 23 00-0130	EA	3' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	674.25	52.88
		For Each 1' Of Additional Door Height, Add	*136.44*	
08 17 23 00-0131	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	735.87	52.88
		For Each 1' Of Additional Door Height, Add	*151.23*	
08 17 23 00-0132	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	812.81	54.83
		For Each 1' Of Additional Door Height, Add	*168.75*	
08 17 23 00-0133	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	1,221.91	80.30
		For Each 1' Of Additional Door Height, Add	*254.72*	
08 17 23 00-0134	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	1,240.15	86.17
		For Each 1' Of Additional Door Height, Add	*256.27*	
08 17 23 00-0135	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	1,321.07	92.05
		For Each 1' Of Additional Door Height, Add	*272.88*	

08 17 23 00-0136 Walnut Faced *(08 17 23 00-0095)*

08 17 23 00-0137	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	794.31	48.96
		For Each 1' Of Additional Door Height, Add	*167.13*	
08 17 23 00-0138	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	823.26	48.96
		For Each 1' Of Additional Door Height, Add	*174.08*	
08 17 23 00-0139	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	836.87	50.92
		For Each 1' Of Additional Door Height, Add	*176.41*	
08 17 23 00-0140	EA	3' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	869.79	52.88
		For Each 1' Of Additional Door Height, Add	*183.37*	
08 17 23 00-0141	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	953.85	52.88
		For Each 1' Of Additional Door Height, Add	*203.54*	
08 17 23 00-0142	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	1,042.64	54.83
		For Each 1' Of Additional Door Height, Add	*223.91*	
08 17 23 00-0143	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	1,553.36	80.30
		For Each 1' Of Additional Door Height, Add	*334.26*	
08 17 23 00-0144	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	1,623.01	86.17
		For Each 1' Of Additional Door Height, Add	*348.16*	
08 17 23 00-0145	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	1,712.17	92.05
		For Each 1' Of Additional Door Height, Add	*366.74*	

08 30 Specialty Doors And Frames *(08)*

08 31 Access Doors And Panels *(08 30)*

See CSI section 07 72 33 00-0000 for roof hatches, 23 33 33 00-0000 for duct-mounted access doors.

08 31 13 Access Doors And Frames *(08 31)*

08 31 13 00-0001 Stainless Steel Access Doors *(08 31 13)*

08 31 13 00-0002 Fire Rated Stainless Steel Access Doors *(08 31 13 00-0001)*

08 31 13 00-0003	EA	12" x 12" Fire Rated Stainless Steel Access Door With Cam Latch	336.97	42.15
08 31 13 00-0004	EA	12" x 18" Fire Rated Stainless Steel Access Door With Cam Latch	392.87	44.91
08 31 13 00-0005	EA	18" x 18" Fire Rated Stainless Steel Access Door With Cam Latch	459.55	47.50
08 31 13 00-0006	EA	24" x 18" Fire Rated Stainless Steel Access Door With Cam Latch	531.29	49.91
08 31 13 00-0007	EA	24" x 24" Fire Rated Stainless Steel Access Door With Cam Latch	543.66	50.16
08 31 13 00-0008	EA	24" x 36" Fire Rated Stainless Steel Access Door With Cam Latch	703.55	51.72

08 31 13 00-0009 Stainless Steel Access Doors *(08 31 13 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 31 13 00-0010	EA	8" x 8" Stainless Steel Access Door With Cam Latch	131.57	32.33
08 31 13 00-0011	EA	12" x 12" Stainless Steel Access Door With Cam Latch	158.01	42.15
08 31 13 00-0012	EA	12" x 18" Stainless Steel Access Door With Cam Latch	227.17	44.91
08 31 13 00-0013	EA	18" x 18" Stainless Steel Access Door With Cam Latch	243.92	47.50
08 31 13 00-0014	EA	24" x 18" Stainless Steel Access Door With Cam Latch	283.92	49.91
08 31 13 00-0015	EA	24" x 24" Stainless Steel Access Door With Cam Latch	324.54	50.16
08 31 13 00-0016		Steel Access Doors *(08 31 13)*		
		Note: Includes paintable powder coated finish.		
08 31 13 00-0017		Fire Rated Steel Access Doors *(08 31 13 00-0016)*		
08 31 13 00-0018	EA	12" x 12" Fire Rated Steel Access Door With Cam Latch	184.69	42.41
08 31 13 00-0019	EA	12" x 18" Fire Rated Steel Access Door With Cam Latch	227.18	44.91
08 31 13 00-0020	EA	18" x 18" Fire Rated Steel Access Door With Cam Latch	227.55	47.50
08 31 13 00-0021	EA	24" x 18" Fire Rated Steel Access Door With Cam Latch	269.04	50.16
08 31 13 00-0022	EA	24" x 24" Fire Rated Steel Access Door With Cam Latch	280.78	50.16
08 31 13 00-0023	EA	24" x 36" Fire Rated Steel Access Door With Cam Latch	369.50	51.72
08 31 13 00-0024	EA	24" x 48" Fire Rated Steel Access Door With Cam Latch	424.67	53.88
08 31 13 00-0025	EA	36" x 36" Fire Rated Steel Access Door With Cam Latch	521.82	53.88
08 31 13 00-0026	EA	48" x 48" Fire Rated Steel Access Door With Cam Latch	668.55	64.65
08 31 13 00-0027		Steel Access Doors *(08 31 13 00-0016)*		
08 31 13 00-0028	EA	8" x 8" Steel Access Door With Cam Latch	98.18	32.50
08 31 13 00-0029	EA	12" x 12" Steel Access Door With Cam Latch	105.13	42.41
08 31 13 00-0030	EA	12" x 18" Steel Access Door With Cam Latch	120.25	44.91
08 31 13 00-0031	EA	18" x 18" Steel Access Door With Cam Latch	123.88	47.50
08 31 13 00-0032	EA	24" x 18" Steel Access Door With Cam Latch	145.80	50.16
08 31 13 00-0033	EA	24" x 24" Steel Access Door With Cam Latch	149.04	50.16
08 31 13 00-0034	EA	24" x 36" Steel Access Door With Cam Latch	192.77	51.72
08 31 13 00-0035	EA	36" x 36" Steel Access Door With Cam Latch	251.10	53.88
08 31 13 00-0036		Steel Recessed Access Doors For Drywall Application *(08 31 13)*		
		Note: Includes paintable powder coated finish.		
08 31 13 00-0037	EA	8" x 8" Recessed Steel Access Door With Cam Latch	137.03	32.33
		For Recessed Doors In Acoustical Tile, Add	*15.00*	
08 31 13 00-0038	EA	12" x 12" Recessed Steel Access Door With Cam Latch	143.60	34.65
		For Recessed Doors In Acoustical Tile, Add	*16.56*	
08 31 13 00-0039	EA	12" x 18" Recessed Steel Access Door With Cam Latch	154.20	36.63
		For Recessed Doors In Acoustical Tile, Add	*17.19*	
08 31 13 00-0040	EA	18" x 18" Recessed Steel Access Door With Cam Latch	179.95	38.79
		For Recessed Doors In Acoustical Tile, Add	*15.68*	
08 31 13 00-0041	EA	24" x 18" Recessed Steel Access Door With Cam Latch	189.37	40.94
		For Recessed Doors In Acoustical Tile, Add	*16.64*	
08 31 13 00-0042	EA	24" x 24" Recessed Steel Access Door With Cam Latch	206.44	40.94
		For Recessed Doors In Acoustical Tile, Add	*14.08*	
08 31 13 00-0043	EA	24" x 36" Recessed Steel Access Door With Cam Latch	257.32	51.72
		For Recessed Doors In Acoustical Tile, Add	*18.29*	
08 31 13 00-0044	EA	36" x 36" Recessed Steel Access Door With Cam Latch	363.01	53.88
		For Recessed Doors In Acoustical Tile, Add	*4.81*	
08 31 13 00-0045		Steel Crawl Space Doors And Frames *(08 31 13)*		
		Note: Includes paintable powder coated finish.		
08 31 13 00-0046	EA	24" x 24" Steel Crawl Space Door With Cam Latch	158.46	54.56
08 31 13 00-0047	EA	30" x 24" Steel Crawl Space Door With Cam Latch	220.86	66.12
08 31 13 00-0048	EA	30" x 30" Steel Crawl Space Door With Cam Latch	247.15	71.81
08 32		Sliding Glass Doors *(08 30)*		
		Note: Includes stock frames, trim, necessary anchors and Usual hardware.		
08 32 13		**Sliding Aluminum-Framed Glass Doors** *(08 32)*		
08 32 13 00-0001		Residential Metal Sliding Glass Door *(08 32 13)*		
08 32 13 00-0002		Door With 5/8" Insulating Glass *(08 32 13 00-0001)*		
08 32 13 00-0003	SF	Up To 6' Wide Sliding Glass Door 5/8" Insulated Glass With Frame, Trim, Hardware	19.95	3.52
		For Custom Quality, Add	*2.66*	
		For Tempered Glass, Add	*1.42*	
		For Anodized Or Colored Aluminum Frames, Add	*1.91*	
08 32 13 00-0004	SF	>6' Up To 12' Wide Sliding Glass Door 5/8" Insulated Glass With Frame, Trim, Hardware	15.59	2.19
		For Custom Quality, Add	*2.54*	
		For Tempered Glass, Add	*1.42*	
		For Anodized Or Colored Aluminum Frames, Add	*1.83*	
08 32 13 00-0005		Door With 1" Insulating Glass *(08 32 13 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 32 13 00-0006	SF	>6' Up To 12' Wide Sliding Glass Door 1" Insulated Glass With Frame, Trim, Hardware	21.85	3.52
		For Custom Quality, Add	*3.13*	
		For Tempered Glass, Add	*1.42*	
		For Anodized Or Colored Aluminum Frames, Add	*2.26*	
08 32 13 00-0007	SF	>6' Up To 12' Wide Sliding Glass Door 1" Insulated Glass With Frame, Trim, Hardware	17.47	2.19
		For Custom Quality, Add	*3.01*	
		For Tempered Glass, Add	*1.42*	
		For Anodized Or Colored Aluminum Frames, Add	*2.17*	

08 32 13 00-0008 Door With 1/4" Tempered Plate Glass 3.2/SF *(08 32 13 00-0001)*

08 32 13 00-0009	SF	Up To 6' Wide Sliding Glass Door 1/4" Insulated Glass With Frame, Trim, Hardware	18.39	3.52
08 32 13 00-0010	SF	>6' Up To 12' Wide Sliding Glass Door 1/4" Insulated Glass With Frame, Trim, Hardware	13.62	2.19

08 32 19 Sliding Wood-Framed Glass Doors *(08 32)*

08 32 19 00-0001 Residential Wood Sliding Doors With 5/8" Glass *(08 32 19)*

08 32 19 00-0002	EA	6' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware	1,911.03	105.75
08 32 19 00-0003	EA	8' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware	2,332.87	129.25
08 32 19 00-0004	EA	9' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware	2,696.06	148.83
08 32 19 00-0005	EA	6' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware	2,108.78	105.75
08 32 19 00-0006	EA	8' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware	2,588.27	129.25
08 32 19 00-0007	EA	9' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware	3,012.14	148.83

08 33 Coiling Doors And Grilles *(08 30)*

08 33 13 Coiling Counter Doors *(08 33)*

08 33 13 00-0001 Aluminum Overhead Coiling Counter Shutters *(08 33 13)*

Note: Includes necessary anchors, track and hardware. Includes clear anodized aluminum finish. Excludes steel framing supports.

08 33 13 00-0002	EA	4' x 4', Aluminum Overhead Coiling Counter Shutters, Manual Lift	1,819.64	340.73
		For Steel Doors, Deduct	*-35.00*	
		For Stainless Steel Doors, Add	*78.00*	
		For Fire Rated, Add	*65.00*	
		For Motor Operator (With Safety Reverse), Add	*735.18*	
08 33 13 00-0003	EA	6' x 4', Aluminum Overhead Coiling Counter Shutters, Manual Lift	2,026.21	340.73
		For Steel Doors, Deduct	*-71.00*	
		For Stainless Steel Doors, Add	*130.00*	
		For Fire Rated, Add	*65.00*	
		For Motor Operator (With Safety Reverse), Add	*735.18*	
08 33 13 00-0004	EA	8' x 4', Aluminum Overhead Coiling Counter Shutters, Manual Lift	2,275.74	362.02
		For Steel Doors, Deduct	*-115.00*	
		For Stainless Steel Doors, Add	*225.00*	
		For Fire Rated, Add	*65.00*	
		For Motor Operator (With Safety Reverse), Add	*739.48*	
08 33 13 00-0005	EA	10' x 4', Aluminum Overhead Coiling Counter Shutters, Manual Lift	2,647.00	425.91
		For Steel Doors, Deduct	*-142.00*	
		For Stainless Steel Doors, Add	*315.00*	
		For Fire Rated, Add	*65.00*	
		For Motor Operator (With Safety Reverse), Add	*755.95*	
08 33 13 00-0006	EA	4' x 6', Aluminum Overhead Coiling Counter Shutters, Manual Lift	1,979.03	340.73
		For Steel Doors, Deduct	*-40.00*	
		For Stainless Steel Doors, Add	*85.00*	
		For Fire Rated, Add	*65.00*	
		For Motor Operator (With Safety Reverse), Add	*735.18*	
08 33 13 00-0007	EA	6' x 6', Aluminum Overhead Coiling Counter Shutters, Manual Lift	2,280.25	378.55
		For Steel Doors, Deduct	*-80.00*	
		For Stainless Steel Doors, Add	*145.00*	
		For Fire Rated, Add	*65.00*	
		For Motor Operator (With Safety Reverse), Add	*744.65*	
08 33 13 00-0008	EA	10' x 6', Aluminum Overhead Coiling Counter Shutters, Manual Lift	2,811.69	425.91
		For Steel Doors, Deduct	*-156.00*	
		For Stainless Steel Doors, Add	*240.00*	
		For Fire Rated, Add	*65.00*	
		For Motor Operator (With Safety Reverse), Add	*756.48*	

08 33 13 00-0009 Integral Frame And Sill, Aluminum Overhead Coiling Counter Shutters *(08 33 13)*

Note: Includes stainless steel frame and sill, necessary anchors, track and hardware. Includes clear anodized aluminum finish. Excludes steel framing supports.

08 33 13 00-0010	EA	4' x 4', Integral Frame And Sill, Aluminum Overhead Coiling Counter Shutters, Manual Lift	6,106.64	340.73
		For Steel Doors, Deduct	*-35.00*	
		For Stainless Steel Doors, Add	*78.00*	
		For Fire Rated, Add	*65.00*	
		For Motor Operator (With Safety Reverse), Add	*735.18*	
08 33 13 00-0011	EA	6' x 4', Integral Frame And Sill, Aluminum Overhead Coiling Counter Shutters, Manual Lift	6,478.72	340.73
		For Steel Doors, Deduct	*-71.00*	
		For Stainless Steel Doors, Add	*130.00*	
		For Fire Rated, Add	*65.00*	
		For Motor Operator (With Safety Reverse), Add	*735.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0012	EA	8' x 4', Integral Frame And Sill, Aluminum Overhead Coiling Counter Shutters, Manual Lift	6,907.75	362.02
		For Steel Doors, Deduct	*-115.00*	
		For Stainless Steel Doors, Add	*225.00*	
		For Fire Rated, Add	*65.00*	
		For Motor Operator (With Safety Reverse), Add	*739.48*	
08 33 13 00-0013	EA	10' x 4', Integral Frame And Sill, Aluminum Overhead Coiling Counter Shutters, Manual Lift	7,482.58	425.91
		For Steel Doors, Deduct	*-142.00*	
		For Stainless Steel Doors, Add	*315.00*	
		For Fire Rated, Add	*65.00*	
		For Motor Operator (With Safety Reverse), Add	*755.95*	
08 33 13 00-0014	EA	4' x 6', Integral Frame And Sill, Aluminum Overhead Coiling Counter Shutters, Manual Lift	6,325.18	340.73
		For Steel Doors, Deduct	*-40.00*	
		For Stainless Steel Doors, Add	*85.00*	
		For Fire Rated, Add	*65.00*	
		For Motor Operator (With Safety Reverse), Add	*735.18*	
08 33 13 00-0015	EA	6' x 6', Integral Frame And Sill, Aluminum Overhead Coiling Counter Shutters, Manual Lift	6,762.59	378.55
		For Steel Doors, Deduct	*-80.00*	
		For Stainless Steel Doors, Add	*145.00*	
		For Fire Rated, Add	*65.00*	
		For Motor Operator (With Safety Reverse), Add	*744.65*	
08 33 13 00-0016	EA	10' x 6', Integral Frame And Sill, Aluminum Overhead Coiling Counter Shutters, Manual Lift	7,938.96	425.91
		For Steel Doors, Deduct	*-156.00*	
		For Stainless Steel Doors, Add	*240.00*	
		For Fire Rated, Add	*65.00*	
		For Motor Operator (With Safety Reverse), Add	*756.48*	

08 33 23 Overhead Coiling Doors *(08 33)*

08 33 23 00-0001 Galvanized Steel Overhead Coiling Doors (Width x Height) *(08 33 23)*

08 33 23 00-0002 26 Gauge Galvanized Steel Overhead Coiling Doors, Storage Unit Style *(08 33 23 00-0001)*

08 33 23 00-0003	EA	4' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	641.52	215.42
08 33 23 00-0004	EA	4' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	709.71	235.01
08 33 23 00-0005	EA	5' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	706.32	235.01
08 33 23 00-0006	EA	5' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	779.01	254.59
08 33 23 00-0007	EA	6' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	771.19	254.59
08 33 23 00-0008	EA	6' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	843.49	274.17
08 33 23 00-0009	EA	6' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	928.75	293.76
08 33 23 00-0010	EA	8' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	816.89	254.59
08 33 23 00-0011	EA	8' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	880.38	274.17
08 33 23 00-0012	EA	8' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	954.57	293.76
08 33 23 00-0013	EA	8' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,061.48	313.34
08 33 23 00-0014	EA	10' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	989.02	313.34
08 33 23 00-0015	EA	10' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,039.19	313.34
08 33 23 00-0016	EA	10' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,145.28	332.92
08 33 23 00-0017	EA	10' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,218.91	352.51

08 33 23 00-0018 24 Gauge Galvanized Steel Overhead Coiling Doors *(08 33 23 00-0001)*

Note: With curtain hood (barrel cover).

08 33 23 00-0019	EA	8' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,109.99	254.59
		For Insulated, Add	*1,238.80*	
08 33 23 00-0020	EA	8' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,204.49	274.17
		For Insulated, Add	*1,283.24*	
08 33 23 00-0021	EA	8' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,445.12	313.34
		For Insulated, Add	*1,410.83*	
08 33 23 00-0022	EA	8' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,613.93	313.34
		For Insulated, Add	*1,537.44*	
08 33 23 00-0023	EA	10' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,381.99	313.34
		For Insulated, Add	*1,363.48*	
08 33 23 00-0024	EA	10' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,508.18	313.34
		For Insulated, Add	*1,458.13*	
08 33 23 00-0025	EA	10' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,712.61	352.51
		For Insulated, Add	*1,558.63*	
08 33 23 00-0026	EA	10' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,894.47	352.51
		For Insulated, Add	*1,695.02*	
08 33 23 00-0027	EA	12' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,625.56	352.51
		For Insulated, Add	*1,493.34*	
08 33 23 00-0028	EA	12' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,850.17	391.67
		For Insulated, Add	*1,608.87*	
08 33 23 00-0029	EA	12' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,192.21	489.59
		For Insulated, Add	*1,733.22*	
08 33 23 00-0030	EA	12' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,457.86	489.59
		For Insulated, Add	*1,932.46*	
08 33 23 00-0031	EA	14' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,430.19	489.59
		For Insulated, Add	*1,911.70*	
08 33 23 00-0032	EA	14' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,734.49	489.59
		For Insulated, Add	*2,139.93*	
08 33 23 00-0033	EA	14' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,057.24	489.59
		For Insulated, Add	*2,381.99*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 00-0034		22 Gauge Galvanized Steel Overhead Coiling Doors *(08 33 23 00-0001)*		
		Note: With curtain hood (barrel cover).		
08 33 23 00-0035	EA	4' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	1,849.28	235.01
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*206.90*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*344.83*	
		For Insulated, Add	*1,069.74*	
08 33 23 00-0036	EA	4' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,026.44	254.59
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*227.59*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*379.31*	
		For Insulated, Add	*1,176.13*	
08 33 23 00-0037	EA	4' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,156.75	274.17
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*241.25*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*402.09*	
		For Insulated, Add	*1,247.39*	
08 33 23 00-0038	EA	6' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,042.78	254.59
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*230.04*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*383.40*	
		For Insulated, Add	*1,188.38*	
08 33 23 00-0039	EA	6' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,235.35	274.17
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*253.04*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*421.74*	
		For Insulated, Add	*1,306.34*	
08 33 23 00-0040	EA	6' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,454.54	313.34
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*274.18*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*456.97*	
		For Insulated, Add	*1,417.90*	
08 33 23 00-0041	EA	6' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,966.53	352.51
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*339.24*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*565.40*	
		For Insulated, Add	*1,749.06*	
08 33 23 00-0042	EA	6' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,478.63	391.67
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*404.29*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*673.82*	
		For Insulated, Add	*2,080.22*	
08 33 23 00-0043	EA	8' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,205.25	254.59
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*254.41*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*424.02*	
		For Insulated, Add	*1,310.23*	
08 33 23 00-0044	EA	8' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,492.33	313.34
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*279.85*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*466.41*	
		For Insulated, Add	*1,446.24*	
08 33 23 00-0045	EA	8' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,803.28	391.67
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*302.99*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*504.99*	
		For Insulated, Add	*1,573.71*	
08 33 23 00-0046	EA	8' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,295.83	430.84
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*365.14*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*608.57*	
		For Insulated, Add	*1,890.31*	
08 33 23 00-0047	EA	8' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,788.71	470.00
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*427.28*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*712.14*	
		For Insulated, Add	*2,206.92*	
08 33 23 00-0048	EA	10' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,852.84	401.47
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*307.49*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*512.48*	
		For Insulated, Add	*1,597.65*	
08 33 23 00-0049	EA	10' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,257.61	489.59
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*341.77*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*569.61*	
		For Insulated, Add	*1,782.27*	
08 33 23 00-0050	EA	10' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,886.82	587.51
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*406.81*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*678.01*	
		For Insulated, Add	*2,122.14*	
08 33 23 00-0051	EA	10' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,555.54	705.01
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*471.85*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*786.41*	
		For Insulated, Add	*2,464.97*	
08 33 23 00-0052	EA	10' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,250.96	861.68
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*529.06*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*881.77*	
		For Insulated, Add	*2,774.59*	
08 33 23 00-0053	EA	10' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,787.89	940.01
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*586.27*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*977.12*	
		For Insulated, Add	*3,072.31*	
08 33 23 00-0054	EA	10' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,325.59	1,018.35
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*643.48*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*1,072.47*	
		For Insulated, Add	*3,370.09*	
08 33 23 00-0055	EA	10' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,862.68	1,096.68
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*700.45*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*1,167.42*	
		For Insulated, Add	*3,666.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 00-0056	EA	12' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,233.92	470.00
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*344.06*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*573.44*	
		For Insulated, Add	*1,790.83*	
08 33 23 00-0057	EA	12' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,705.58	587.51
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*379.62*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*632.70*	
		For Insulated, Add	*1,986.21*	
08 33 23 00-0058	EA	12' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,436.32	665.84
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*465.75*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*776.25*	
		For Insulated, Add	*2,428.61*	
08 33 23 00-0059	EA	12' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,245.90	783.34
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*551.88*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*919.80*	
		For Insulated, Add	*2,876.91*	
08 33 23 00-0060	EA	12' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,053.15	940.01
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*626.06*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*1,043.43*	
		For Insulated, Add	*3,271.25*	
08 33 23 00-0061	EA	12' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,703.96	1,018.35
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*700.24*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*1,167.06*	
		For Insulated, Add	*3,653.87*	
08 33 23 00-0062	EA	12' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,434.65	1,135.85
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*774.42*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*1,290.69*	
		For Insulated, Add	*4,042.47*	
08 33 23 00-0063	EA	12' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,164.77	1,253.35
		For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	*848.59*	
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*1,414.32*	
		For Insulated, Add	*4,431.02*	
08 33 23 00-0064		20 Gauge Galvanized Steel Overhead Coiling Doors *(08 33 23 00-0001)*		
		Note: With curtain hood (barrel cover)		
08 33 23 00-0065	EA	14' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,106.10	587.51
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*439.70*	
		For Insulated, Add	*2,286.60*	
08 33 23 00-0066	EA	14' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,660.64	665.84
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*499.40*	
		For Insulated, Add	*2,596.85*	
08 33 23 00-0067	EA	14' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,321.31	744.18
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*574.98*	
		For Insulated, Add	*2,986.51*	
08 33 23 00-0068	EA	14' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,916.58	822.51
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*640.64*	
		For Insulated, Add	*3,326.60*	
08 33 23 00-0069	EA	14' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,703.11	979.17
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*711.71*	
		For Insulated, Add	*3,705.44*	
08 33 23 00-0070	EA	14' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,332.79	1,057.52
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*782.69*	
		For Insulated, Add	*4,072.06*	
08 33 23 00-0071	EA	14' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,757.15	1,175.01
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*960.93*	
		For Insulated, Add	*4,980.96*	
08 33 23 00-0072	EA	14' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,178.03	1,292.51
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*1,139.17*	
		For Insulated, Add	*5,889.60*	
08 33 23 00-0073	EA	16' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,075.83	705.01
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*549.89*	
		For Insulated, Add	*2,855.19*	
08 33 23 00-0074	EA	16' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,701.82	783.34
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*620.27*	
		For Insulated, Add	*3,218.85*	
08 33 23 00-0075	EA	16' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,341.53	900.84
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*680.99*	
		For Insulated, Add	*3,540.06*	
08 33 23 00-0076	EA	16' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,999.06	1,018.35
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*744.50*	
		For Insulated, Add	*3,875.19*	
08 33 23 00-0077	EA	16' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,633.45	1,096.68
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*816.07*	
		For Insulated, Add	*4,244.81*	
08 33 23 00-0078	EA	16' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,369.92	1,175.01
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*902.84*	
		For Insulated, Add	*4,690.54*	
08 33 23 00-0079	EA	16' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,467.17	1,253.35
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*1,043.95*	
		For Insulated, Add	*5,407.82*	
08 33 23 00-0080	EA	16' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,574.60	1,331.68
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*1,186.52*	
		For Insulated, Add	*6,132.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 00-0081	EA	18' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,562.51	861.68
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*575.79*	
		For Insulated, Add	*3,008.25*	
08 33 23 00-0082	EA	18' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,125.42	940.01
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*636.90*	
		For Insulated, Add	*3,325.46*	
08 33 23 00-0083	EA	18' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,022.66	1,057.52
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*736.17*	
		For Insulated, Add	*3,839.46*	
08 33 23 00-0084	EA	18' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,795.89	1,175.01
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*816.74*	
		For Insulated, Add	*4,260.01*	
08 33 23 00-0085	EA	18' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,494.54	1,253.35
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*898.06*	
		For Insulated, Add	*4,678.34*	
08 33 23 00-0086	EA	18' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,194.25	1,331.68
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*979.47*	
		For Insulated, Add	*5,097.19*	
08 33 23 00-0087	EA	18' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,474.00	1,410.02
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*1,147.82*	
		For Insulated, Add	*5,950.75*	
08 33 23 00-0088	EA	18' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,780.39	1,488.35
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*1,320.63*	
		For Insulated, Add	*6,826.34*	
08 33 23 00-0089	EA	20' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,245.23	940.01
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*654.87*	
		For Insulated, Add	*3,415.31*	
08 33 23 00-0090	EA	20' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,287.35	1,018.35
		For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	*787.75*	
		For Insulated, Add	*4,091.41*	
08 33 23 00-0091		18 Gauge Galvanized Steel Overhead Coiling Doors *(08 33 23 00-0001)*		
		Note: With curtain hood (barrel cover).		
08 33 23 00-0092	EA	20' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,661.21	1,135.85
		For Insulated, Add	*4,962.39*	
08 33 23 00-0093	EA	20' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,810.01	1,214.18
		For Insulated, Add	*5,717.45*	
08 33 23 00-0094	EA	20' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,132.16	1,292.51
		For Insulated, Add	*6,602.90*	
08 33 23 00-0095	EA	20' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,617.93	1,370.86
		For Insulated, Add	*7,612.06*	
08 33 23 00-0096	EA	20' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	14,109.84	1,449.19
		For Insulated, Add	*8,626.92*	
08 33 23 00-0097	EA	20' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	15,633.05	1,527.52
		For Insulated, Add	*9,662.55*	
08 33 23 00-0098	EA	22' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,982.62	1,018.35
		For Insulated, Add	*3,862.86*	
08 33 23 00-0099	EA	22' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,191.39	1,096.68
		For Insulated, Add	*4,663.26*	
08 33 23 00-0100	EA	22' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,667.76	1,214.18
		For Insulated, Add	*5,610.76*	
08 33 23 00-0101	EA	22' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,172.84	1,292.51
		For Insulated, Add	*6,635.71*	
08 33 23 00-0102	EA	22' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,688.47	1,370.86
		For Insulated, Add	*7,664.96*	
08 33 23 00-0103	EA	22' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	14,363.54	1,449.19
		For Insulated, Add	*8,817.19*	
08 33 23 00-0104	EA	22' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	16,048.05	1,527.52
		For Insulated, Add	*9,973.80*	
08 33 23 00-0105	EA	22' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	17,718.67	1,605.85
		For Insulated, Add	*11,121.96*	
08 33 23 00-0106	EA	24' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,655.82	1,096.68
		For Insulated, Add	*4,261.58*	
08 33 23 00-0107	EA	24' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,532.56	1,175.01
		For Insulated, Add	*4,812.52*	
08 33 23 00-0108	EA	24' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,479.13	1,292.51
		For Insulated, Add	*6,115.42*	
08 33 23 00-0109	EA	24' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,169.05	1,370.86
		For Insulated, Add	*7,275.40*	
08 33 23 00-0110	EA	24' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,786.60	1,449.19
		For Insulated, Add	*8,384.49*	
08 33 23 00-0111	EA	24' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	15,571.38	1,527.52
		For Insulated, Add	*9,616.30*	
08 33 23 00-0112	EA	24' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	17,657.07	1,605.85
		For Insulated, Add	*11,075.76*	
08 33 23 00-0113	EA	24' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	19,802.82	1,684.18
		For Insulated, Add	*12,576.91*	
08 33 23 00-0114		Aluminum Overhead Coiling Doors (Width x Height) *(08 33 23)*		
08 33 23 00-0115		0.04" Aluminum Overhead Coiling Doors *(08 33 23 00-0114)*		
08 33 23 00-0116	EA	4' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift	1,458.34	235.01
08 33 23 00-0117	EA	4' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	1,594.47	254.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 00-0118	EA	4' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	1,995.26	274.17
08 33 23 00-0119	EA	6' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift	1,790.30	254.59
08 33 23 00-0120	EA	6' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	1,949.40	274.17
08 33 23 00-0121	EA	6' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,147.59	313.34
08 33 23 00-0122	EA	6' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,381.73	352.51
08 33 23 00-0123	EA	6' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,618.61	391.67
08 33 23 00-0124	EA	8' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift	1,938.27	254.59
08 33 23 00-0125	EA	8' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,218.03	313.34
08 33 23 00-0126	EA	8' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,539.49	391.67
08 33 23 00-0127	EA	8' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,773.77	430.84
08 33 23 00-0128	EA	8' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,009.26	470.00
08 33 23 00-0129	EA	10' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,591.36	411.25
08 33 23 00-0130	EA	10' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,909.10	489.59
08 33 23 00-0131	EA	10' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,303.36	587.51
08 33 23 00-0132	EA	10' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,738.24	705.01
08 33 23 00-0133	EA	10' x 18', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,393.84	861.68
08 33 23 00-0134	EA	10' x 20', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,890.87	940.01
08 33 23 00-0135	EA	10' x 22', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,385.41	1,018.35
08 33 23 00-0136	EA	10' x 24', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,881.92	1,096.68
08 33 23 00-0137	EA	12' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,866.05	470.00
08 33 23 00-0138	EA	12' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,489.71	587.51
08 33 23 00-0139	EA	12' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,949.44	665.84
08 33 23 00-0140	EA	12' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,489.84	783.34
08 33 23 00-0141	EA	12' x 18', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,215.75	940.01
08 33 23 00-0142	EA	12' x 20', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,786.78	1,018.35
08 33 23 00-0143	EA	12' x 22', 0.04" Aluminum Overhead Coiling Door, Chain Lift	6,209.45	1,135.85
08 33 23 00-0144	EA	12' x 24', 0.04" Aluminum Overhead Coiling Door, Chain Lift	6,633.67	1,253.35

08 33 23 00-0145 0.05" Aluminum Overhead Coiling Doors *(08 33 23 00-0114)*

08 33 23 00-0146	EA	14' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	3,339.51	587.51
08 33 23 00-0147	EA	14' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	3,928.98	665.84
08 33 23 00-0148	EA	14' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	4,508.50	744.18
08 33 23 00-0149	EA	14' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,047.76	822.51
08 33 23 00-0150	EA	14' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,775.47	979.17
08 33 23 00-0151	EA	14' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,346.97	1,057.52
08 33 23 00-0152	EA	14' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,007.06	1,175.01
08 33 23 00-0153	EA	14' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,663.76	1,292.51
08 33 23 00-0154	EA	16' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	3,965.32	705.01
08 33 23 00-0155	EA	16' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	4,579.39	783.34
08 33 23 00-0156	EA	16' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,248.53	900.84
08 33 23 00-0157	EA	16' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,933.51	1,018.35
08 33 23 00-0158	EA	16' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,587.81	1,096.68
08 33 23 00-0159	EA	16' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,281.18	1,175.01
08 33 23 00-0160	EA	16' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,942.37	1,253.35
08 33 23 00-0161	EA	16' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,564.28	1,331.68
08 33 23 00-0162	EA	18' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	4,562.39	861.68
08 33 23 00-0163	EA	18' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,214.90	940.01
08 33 23 00-0164	EA	18' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,005.47	1,057.52
08 33 23 00-0165	EA	18' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,786.74	1,175.01
08 33 23 00-0166	EA	18' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,496.62	1,253.35
08 33 23 00-0167	EA	18' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,201.80	1,331.68
08 33 23 00-0168	EA	18' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,906.16	1,410.02
08 33 23 00-0169	EA	18' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,612.59	1,488.35
08 33 23 00-0170	EA	20' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,102.18	940.01
08 33 23 00-0171	EA	20' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,766.99	1,018.35
08 33 23 00-0172	EA	20' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,852.39	1,135.85
08 33 23 00-0173	EA	20' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,512.37	1,214.18
08 33 23 00-0174	EA	20' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,288.76	1,292.51
08 33 23 00-0175	EA	20' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,093.54	1,370.86
08 33 23 00-0176	EA	20' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,852.29	1,449.19
08 33 23 00-0177	EA	20' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,641.97	1,527.52
08 33 23 00-0178	EA	22' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,831.04	1,018.35
08 33 23 00-0179	EA	22' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,639.03	1,096.68
08 33 23 00-0180	EA	22' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,618.68	1,214.18
08 33 23 00-0181	EA	22' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,498.81	1,292.51
08 33 23 00-0182	EA	22' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,383.03	1,370.86
08 33 23 00-0183	EA	22' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,271.15	1,449.19
08 33 23 00-0184	EA	22' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,114.62	1,527.52
08 33 23 00-0185	EA	22' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,961.57	1,605.85
08 33 23 00-0186	EA	24' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,384.13	1,096.68
08 33 23 00-0187	EA	24' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,932.76	1,175.01
08 33 23 00-0188	EA	24' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,243.92	1,292.51
08 33 23 00-0189	EA	24' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,234.42	1,370.86
08 33 23 00-0190	EA	24' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,167.40	1,449.19
08 33 23 00-0191	EA	24' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,104.38	1,527.52
08 33 23 00-0192	EA	24' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	12,171.64	1,605.85
08 33 23 00-0193	EA	24' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	13,282.33	1,684.18

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 00-0194		Removal And Reinstallation Of Roll-Up Door And Support *(08 33 23)*		
		Note: Includes storage, cleaning and supply materials.		
08 33 23 00-0195	SF	Remove And Reinstall Metal Roll-up Door And Supports	16.65	
08 33 23 00-0196		Overhead Coiling Door Accessories *(08 33 23)*		
08 33 23 00-0197	LF	Bottom Of Door, Weather Strip Seal For Coiling Doors, Astragal Only	2.80	0.98
08 33 23 00-0198	LF	Top Of Door (Lintel), Weather Strip Seal For Coiling Doors	17.64	1.18
08 33 23 00-0199	LF	Side Of Door (Guides), Weather Strip Seal For Coiling Doors	16.85	1.18
08 33 23 00-0200	EA	Cylinder Lock For Coiling Doors	178.82	48.96
08 33 23 00-0201	EA	Jackshaft Operator For Coiling Doors	1,123.12	156.66
		Note: Includes three button inside station controls and mounting hardware.		
08 33 23 00-0202	EA	Remote Transmitter Kit For Coiling Door Operators	239.86	78.33
08 33 26		**Overhead Coiling Grilles** *(08 33)*		
		Note: Includes curtains, guides, counterbalance mechanisms, hardware, operators, frame, supports and/or trim as required.		
08 33 26 00-0001		Steel Overhead Coiling Grilles (Width x Height) *(08 33 26)*		
08 33 26 00-0002	EA	4' x 4', Steel Overhead Coiling Grilles, Manual Lift	2,219.86	149.07
		For Staggered Brick Pattern, Add	*44.85*	
		For Lexan Lattice Pattern, Add	*269.09*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*84.26*	
		For Staggered Brick Pattern, Add	*150.01*	
08 33 26 00-0003	EA	6' x 4', Steel Overhead Coiling Grilles, Manual Lift	2,449.28	149.07
		For Staggered Brick Pattern, Add	*50.58*	
		For Lexan Lattice Pattern, Add	*303.51*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*115.95*	
		For Staggered Brick Pattern, Add	*203.51*	
08 33 26 00-0004	EA	8' x 4', Steel Overhead Coiling Grilles, Manual Lift	2,822.82	198.73
		For Staggered Brick Pattern, Add	*56.37*	
		For Lexan Lattice Pattern, Add	*338.24*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*147.66*	
		For Staggered Brick Pattern, Add	*257.01*	
08 33 26 00-0005	EA	12' x 4', Steel Overhead Coiling Grilles, Manual Lift	3,374.95	198.73
		For Staggered Brick Pattern, Add	*70.18*	
		For Lexan Lattice Pattern, Add	*421.06*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*211.04*	
		For Staggered Brick Pattern, Add	*364.00*	
08 33 26 00-0006	EA	16' x 4', Steel Overhead Coiling Grilles, Manual Lift	4,563.41	298.14
		For Staggered Brick Pattern, Add	*92.79*	
		For Lexan Lattice Pattern, Add	*556.74*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*316.16*	
		For Staggered Brick Pattern, Add	*479.98*	
08 33 26 00-0007	EA	20' x 4', Steel Overhead Coiling Grilles, Manual Lift	5,751.87	397.38
		For Staggered Brick Pattern, Add	*115.40*	
		For Lexan Lattice Pattern, Add	*692.42*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*421.28*	
		For Staggered Brick Pattern, Add	*595.96*	
08 33 26 00-0008	EA	24' x 4', Steel Overhead Coiling Grilles, Manual Lift	7,183.59	477.02
		For Staggered Brick Pattern, Add	*145.46*	
		For Lexan Lattice Pattern, Add	*872.77*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*505.54*	
		For Staggered Brick Pattern, Add	*616.25*	
08 33 26 00-0009	EA	30' x 4', Steel Overhead Coiling Grilles, Manual Lift	8,815.73	596.28
		For Staggered Brick Pattern, Add	*177.80*	
		For Lexan Lattice Pattern, Add	*1,066.81*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*591.71*	
		For Staggered Brick Pattern, Add	*707.39*	
08 33 26 00-0010	EA	4' x 6', Steel Overhead Coiling Grilles, Manual Lift	2,394.99	149.07
		For Staggered Brick Pattern, Add	*49.23*	
		For Lexan Lattice Pattern, Add	*295.36*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*126.38*	
		For Staggered Brick Pattern, Add	*174.29*	
08 33 26 00-0011	EA	6' x 6', Steel Overhead Coiling Grilles, Manual Lift	2,724.50	149.07
		For Staggered Brick Pattern, Add	*57.46*	
		For Lexan Lattice Pattern, Add	*344.79*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*189.55*	
		For Staggered Brick Pattern, Add	*237.03*	
08 33 26 00-0012	EA	8' x 6', Steel Overhead Coiling Grilles, Manual Lift	3,060.84	198.82
		For Staggered Brick Pattern, Add	*62.32*	
		For Lexan Lattice Pattern, Add	*373.94*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*252.72*	
		For Staggered Brick Pattern, Add	*299.78*	
08 33 26 00-0013	EA	12' x 6', Steel Overhead Coiling Grilles, Manual Lift	3,697.00	198.82
		For Staggered Brick Pattern, Add	*78.23*	
		For Lexan Lattice Pattern, Add	*469.37*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*379.15*	
		For Staggered Brick Pattern, Add	*425.26*	
08 33 26 00-0014	EA	16' x 6', Steel Overhead Coiling Grilles, Manual Lift	5,015.13	298.14
		For Staggered Brick Pattern, Add	*104.08*	
		For Lexan Lattice Pattern, Add	*624.50*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*505.54*	
		For Staggered Brick Pattern, Add	*585.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 26 00-0015	EA	20' x 6', Steel Overhead Coiling Grilles, Manual Lift	6,330.22	397.38
		For Staggered Brick Pattern, Add	*129.94*	
		For Lexan Lattice Pattern, Add	*779.62*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*631.93*	
		For Staggered Brick Pattern, Add	*745.60*	
08 33 26 00-0016	EA	24' x 6', Steel Overhead Coiling Grilles, Manual Lift	7,936.99	477.02
		For Staggered Brick Pattern, Add	*164.30*	
		For Lexan Lattice Pattern, Add	*985.78*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*758.30*	
		For Staggered Brick Pattern, Add	*859.52*	
08 33 26 00-0017	EA	30' x 6', Steel Overhead Coiling Grilles, Manual Lift	9,566.11	596.28
		For Staggered Brick Pattern, Add	*196.56*	
		For Lexan Lattice Pattern, Add	*1,179.37*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*882.87*	
		For Staggered Brick Pattern, Add	*963.58*	
08 33 26 00-0018	EA	4' x 8', Steel Overhead Coiling Grilles, Manual Lift	2,741.73	178.88
		For Staggered Brick Pattern, Add	*55.78*	
		For Lexan Lattice Pattern, Add	*334.66*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*168.51*	
		For Staggered Brick Pattern, Add	*228.11*	
08 33 26 00-0019	EA	6' x 8', Steel Overhead Coiling Grilles, Manual Lift	3,139.81	178.88
		For Staggered Brick Pattern, Add	*65.73*	
		For Lexan Lattice Pattern, Add	*394.37*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*252.78*	
		For Staggered Brick Pattern, Add	*308.93*	
08 33 26 00-0020	EA	8' x 8', Steel Overhead Coiling Grilles, Manual Lift	3,766.91	223.60
		For Staggered Brick Pattern, Add	*78.19*	
		For Lexan Lattice Pattern, Add	*469.11*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*337.03*	
		For Staggered Brick Pattern, Add	*389.75*	
08 33 26 00-0021	EA	12' x 8', Steel Overhead Coiling Grilles, Manual Lift	4,341.01	223.60
		For Staggered Brick Pattern, Add	*92.54*	
		For Lexan Lattice Pattern, Add	*555.23*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*436.11*	
		For Staggered Brick Pattern, Add	*551.39*	
08 33 26 00-0022	EA	16' x 8', Steel Overhead Coiling Grilles, Manual Lift	5,907.04	357.77
		For Staggered Brick Pattern, Add	*122.08*	
		For Lexan Lattice Pattern, Add	*732.48*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*674.05*	
		For Staggered Brick Pattern, Add	*777.58*	
08 33 26 00-0023	EA	20' x 8', Steel Overhead Coiling Grilles, Manual Lift	7,340.10	447.20
		For Staggered Brick Pattern, Add	*151.62*	
		For Lexan Lattice Pattern, Add	*909.74*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*842.56*	
		For Staggered Brick Pattern, Add	*1,003.76*	
08 33 26 00-0024	EA	24' x 8', Steel Overhead Coiling Grilles, Manual Lift	9,288.54	536.65
		For Staggered Brick Pattern, Add	*193.91*	
		For Lexan Lattice Pattern, Add	*1,163.47*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,011.08*	
		For Staggered Brick Pattern, Add	*1,129.11*	
08 33 26 00-0025	EA	30' x 8', Steel Overhead Coiling Grilles, Manual Lift	11,324.38	655.90
		For Staggered Brick Pattern, Add	*236.41*	
		For Lexan Lattice Pattern, Add	*1,418.45*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,171.06*	
		For Staggered Brick Pattern, Add	*1,231.44*	
08 33 26 00-0026	EA	4' x 10', Steel Overhead Coiling Grilles, Manual Lift	3,030.26	178.88
		For Staggered Brick Pattern, Add	*62.99*	
		For Lexan Lattice Pattern, Add	*377.94*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*210.64*	
		For Staggered Brick Pattern, Add	*271.00*	
08 33 26 00-0027	EA	6' x 10', Steel Overhead Coiling Grilles, Manual Lift	3,557.85	178.88
		For Staggered Brick Pattern, Add	*76.18*	
		For Lexan Lattice Pattern, Add	*457.07*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*315.95*	
		For Staggered Brick Pattern, Add	*384.83*	
08 33 26 00-0028	EA	8' x 10', Steel Overhead Coiling Grilles, Manual Lift	4,231.29	223.60
		For Staggered Brick Pattern, Add	*89.84*	
		For Lexan Lattice Pattern, Add	*539.05*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*421.29*	
		For Staggered Brick Pattern, Add	*498.66*	
08 33 26 00-0029	EA	12' x 10', Steel Overhead Coiling Grilles, Manual Lift	4,950.27	223.60
		For Staggered Brick Pattern, Add	*107.82*	
		For Lexan Lattice Pattern, Add	*646.90*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*631.93*	
		For Staggered Brick Pattern, Add	*726.33*	
08 33 26 00-0030	EA	16' x 10', Steel Overhead Coiling Grilles, Manual Lift	6,706.14	357.77
		For Staggered Brick Pattern, Add	*142.06*	
		For Lexan Lattice Pattern, Add	*852.35*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*842.56*	
		For Staggered Brick Pattern, Add	*1,001.51*	
08 33 26 00-0031	EA	20' x 10', Steel Overhead Coiling Grilles, Manual Lift	8,327.10	447.20
		For Staggered Brick Pattern, Add	*176.30*	
		For Lexan Lattice Pattern, Add	*1,057.79*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,053.20*	
		For Staggered Brick Pattern, Add	*1,276.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 26 00-0032	EA	24' x 10', Steel Overhead Coiling Grilles, Manual Lift	10,481.04	536.65
		For Staggered Brick Pattern, Add	*223.72*	
		For Lexan Lattice Pattern, Add	*1,342.35*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,264.00*	
		For Staggered Brick Pattern, Add	*1,478.50*	
08 33 26 00-0033	EA	30' x 10', Steel Overhead Coiling Grilles, Manual Lift	13,165.73	655.90
		For Staggered Brick Pattern, Add	*282.44*	
		For Lexan Lattice Pattern, Add	*1,694.66*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,479.96*	
		For Staggered Brick Pattern, Add	*1,656.25*	
08 33 26 00-0034	EA	4' x 12', Steel Overhead Coiling Grilles, Manual Lift	3,360.68	178.88
		For Staggered Brick Pattern, Add	*71.25*	
		For Lexan Lattice Pattern, Add	*427.50*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*252.78*	
		For Staggered Brick Pattern, Add	*313.26*	
08 33 26 00-0035	EA	6' x 12', Steel Overhead Coiling Grilles, Manual Lift	3,456.32	178.88
		For Staggered Brick Pattern, Add	*73.64*	
		For Lexan Lattice Pattern, Add	*441.84*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*379.15*	
		For Staggered Brick Pattern, Add	*459.46*	
08 33 26 00-0036	EA	8' x 12', Steel Overhead Coiling Grilles, Manual Lift	4,201.26	223.60
		For Staggered Brick Pattern, Add	*89.04*	
		For Lexan Lattice Pattern, Add	*534.26*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*505.53*	
		For Staggered Brick Pattern, Add	*605.66*	
08 33 26 00-0037	EA	12' x 12', Steel Overhead Coiling Grilles, Manual Lift	5,638.99	223.60
		For Staggered Brick Pattern, Add	*124.99*	
		For Lexan Lattice Pattern, Add	*749.92*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*758.28*	
		For Staggered Brick Pattern, Add	*898.06*	
08 33 26 00-0038	EA	16' x 12', Steel Overhead Coiling Grilles, Manual Lift	7,835.75	357.77
		For Staggered Brick Pattern, Add	*170.30*	
		For Lexan Lattice Pattern, Add	*1,021.79*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,011.07*	
		For Staggered Brick Pattern, Add	*1,248.56*	
08 33 26 00-0039	EA	20' x 12', Steel Overhead Coiling Grilles, Manual Lift	9,899.53	447.20
		For Staggered Brick Pattern, Add	*215.61*	
		For Lexan Lattice Pattern, Add	*1,293.65*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,263.84*	
		For Staggered Brick Pattern, Add	*1,599.06*	
08 33 26 00-0040	EA	24' x 12', Steel Overhead Coiling Grilles, Manual Lift	12,009.17	536.65
		For Staggered Brick Pattern, Add	*261.93*	
		For Lexan Lattice Pattern, Add	*1,571.57*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,516.62*	
		For Staggered Brick Pattern, Add	*1,690.79*	
08 33 26 00-0041	EA	30' x 12', Steel Overhead Coiling Grilles, Manual Lift	14,985.00	655.90
		For Staggered Brick Pattern, Add	*327.92*	
		For Lexan Lattice Pattern, Add	*1,967.55*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,757.53*	
		For Staggered Brick Pattern, Add	*1,842.13*	
08 33 26 00-0042	EA	4' x 14', Steel Overhead Coiling Grilles, Manual Lift	3,951.65	178.88
		For Staggered Brick Pattern, Add	*86.02*	
		For Lexan Lattice Pattern, Add	*516.14*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*294.78*	
		For Staggered Brick Pattern, Add	*579.41*	
08 33 26 00-0043	EA	6' x 14', Steel Overhead Coiling Grilles, Manual Lift	4,596.89	178.88
		For Staggered Brick Pattern, Add	*102.16*	
		For Lexan Lattice Pattern, Add	*612.93*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*442.27*	
		For Staggered Brick Pattern, Add	*711.45*	
08 33 26 00-0044	EA	8' x 14', Steel Overhead Coiling Grilles, Manual Lift	5,376.13	223.60
		For Staggered Brick Pattern, Add	*118.46*	
		For Lexan Lattice Pattern, Add	*710.78*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*589.74*	
		For Staggered Brick Pattern, Add	*828.42*	
08 33 26 00-0045	EA	12' x 14', Steel Overhead Coiling Grilles, Manual Lift	6,731.55	223.60
		For Staggered Brick Pattern, Add	*152.35*	
		For Lexan Lattice Pattern, Add	*914.09*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*884.69*	
		For Staggered Brick Pattern, Add	*1,050.50*	
08 33 26 00-0046	EA	16' x 14', Steel Overhead Coiling Grilles, Manual Lift	8,962.80	357.77
		For Staggered Brick Pattern, Add	*198.47*	
		For Lexan Lattice Pattern, Add	*1,190.85*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,179.59*	
		For Staggered Brick Pattern, Add	*1,405.38*	
08 33 26 00-0047	EA	20' x 14', Steel Overhead Coiling Grilles, Manual Lift	11,059.18	447.20
		For Staggered Brick Pattern, Add	*244.60*	
		For Lexan Lattice Pattern, Add	*1,467.60*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,474.48*	
		For Staggered Brick Pattern, Add	*1,760.26*	
08 33 26 00-0048	EA	24' x 14', Steel Overhead Coiling Grilles, Manual Lift	13,213.18	536.65
		For Staggered Brick Pattern, Add	*292.03*	
		For Lexan Lattice Pattern, Add	*1,752.17*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,769.38*	
		For Staggered Brick Pattern, Add	*1,996.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 26 00-0049	EA	30' x 14', Steel Overhead Coiling Grilles, Manual Lift	16,946.46	655.90
		For Staggered Brick Pattern, Add	*376.96*	
		For Lexan Lattice Pattern, Add	*2,261.76*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*2,088.77*	
		For Staggered Brick Pattern, Add	*2,280.90*	

08 33 26 00-0050 Coiling Grilles Accessories *(08 33 26)*

08 33 26 00-0051	EA	Add For Motor Operator Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	1,665.90	36.21
08 33 26 00-0052	LF	For Safety Edge Bottom Bar, Electric, Add	48.83	
08 33 26 00-0053	LF	For Overhead Framed Rolling Grille Supports	73.29	

08 33 36 Side Coiling Grilles *(08 33)*

08 33 36 00-0001 Steel Side Coiling Grilles (Width x Height) *(08 33 36)*

08 33 36 00-0002	EA	12' x 8', Steel Side Coiling Grilles, Manually Operated	5,637.11	500.19
		For Staggered Brick Pattern, Add	*105.20*	
		For Lexan Lattice Pattern, Add	*631.18*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*505.54*	
		For Staggered Brick Pattern, Add	*551.39*	
08 33 36 00-0003	EA	18' x 8', Steel Side Coiling Grilles, Manually Operated	8,014.09	642.53
		For Staggered Brick Pattern, Add	*154.46*	
		For Lexan Lattice Pattern, Add	*926.74*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*775.45*	
		For Staggered Brick Pattern, Add	*883.14*	
08 33 36 00-0004	EA	24' x 8', Steel Side Coiling Grilles, Manually Operated	10,429.47	810.17
		For Staggered Brick Pattern, Add	*202.87*	
		For Lexan Lattice Pattern, Add	*1,217.21*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,011.08*	
		For Staggered Brick Pattern, Add	*1,129.11*	
08 33 36 00-0005	EA	30' x 8', Steel Side Coiling Grilles, Manually Operated	12,699.92	894.41
		For Staggered Brick Pattern, Add	*253.59*	
		For Lexan Lattice Pattern, Add	*1,521.51*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,171.06*	
		For Staggered Brick Pattern, Add	*1,231.44*	
08 33 36 00-0006	EA	12' x 10', Steel Side Coiling Grilles, Manually Operated	6,885.48	570.30
		For Staggered Brick Pattern, Add	*131.40*	
		For Lexan Lattice Pattern, Add	*788.42*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*631.93*	
		For Staggered Brick Pattern, Add	*726.33*	
08 33 36 00-0007	EA	18' x 10', Steel Side Coiling Grilles, Manually Operated	9,821.41	732.49
		For Staggered Brick Pattern, Add	*193.19*	
		For Lexan Lattice Pattern, Add	*1,159.12*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*930.66*	
		For Staggered Brick Pattern, Add	*1,102.92*	
08 33 36 00-0008	EA	24' x 10', Steel Side Coiling Grilles, Manually Operated	12,597.85	923.29
		For Staggered Brick Pattern, Add	*248.98*	
		For Lexan Lattice Pattern, Add	*1,493.85*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,264.00*	
		For Staggered Brick Pattern, Add	*1,478.50*	
08 33 36 00-0009	EA	30' x 10', Steel Side Coiling Grilles, Manually Operated	15,600.81	1,019.63
		For Staggered Brick Pattern, Add	*316.89*	
		For Lexan Lattice Pattern, Add	*1,901.34*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,479.96*	
		For Staggered Brick Pattern, Add	*1,656.25*	
08 33 36 00-0010	EA	12' x 12', Steel Side Coiling Grilles, Manually Operated	8,145.03	642.53
		For Staggered Brick Pattern, Add	*157.73*	
		For Lexan Lattice Pattern, Add	*946.38*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*758.28*	
		For Staggered Brick Pattern, Add	*898.06*	
08 33 36 00-0011	EA	18' x 12', Steel Side Coiling Grilles, Manually Operated	11,624.36	825.24
		For Staggered Brick Pattern, Add	*231.45*	
		For Lexan Lattice Pattern, Add	*1,388.73*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,119.61*	
		For Staggered Brick Pattern, Add	*1,369.30*	
08 33 36 00-0012	EA	24' x 12', Steel Side Coiling Grilles, Manually Operated	15,129.83	1,040.50
		For Staggered Brick Pattern, Add	*304.30*	
		For Lexan Lattice Pattern, Add	*1,825.82*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,516.62*	
		For Staggered Brick Pattern, Add	*1,690.79*	
08 33 36 00-0013	EA	30' x 12', Steel Side Coiling Grilles, Manually Operated	18,496.43	1,147.83
		For Staggered Brick Pattern, Add	*380.38*	
		For Lexan Lattice Pattern, Add	*2,282.27*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,757.53*	
		For Staggered Brick Pattern, Add	*1,842.13*	
08 33 36 00-0014	EA	12' x 14', Steel Side Coiling Grilles, Manually Operated	9,405.19	710.42
		For Staggered Brick Pattern, Add	*184.43*	
		For Lexan Lattice Pattern, Add	*1,106.56*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*884.69*	
		For Staggered Brick Pattern, Add	*1,050.50*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 36 00-0015	EA	18' x 14', Steel Side Coiling Grilles, Manually Operated	13,436.44	912.30
		For Staggered Brick Pattern, Add	*270.18*	
		For Lexan Lattice Pattern, Add	*1,621.10*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,279.58*	
		For Staggered Brick Pattern, Add	*1,521.39*	
08 33 36 00-0016	EA	24' x 14', Steel Side Coiling Grilles, Manually Operated	17,477.04	1,150.21
		For Staggered Brick Pattern, Add	*355.02*	
		For Lexan Lattice Pattern, Add	*2,130.12*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,769.38*	
		For Staggered Brick Pattern, Add	*1,996.33*	
08 33 36 00-0017	EA	30' x 14', Steel Side Coiling Grilles, Manually Operated	21,369.64	1,270.07
		For Staggered Brick Pattern, Add	*443.54*	
		For Lexan Lattice Pattern, Add	*2,661.27*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*2,088.77*	
		For Staggered Brick Pattern, Add	*2,280.90*	

08 33 39 High Speed Doors *(08 33)*

08 33 39 00-0001 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 39)*

Note: Rytec® PredaDoor® PD5500. Door panel is 2-ply multi-filament Rilon. Includes full width vision panel. Side frames are fully bolted together, anodized aluminum construction with weather seal. Bottom bar releases in either direction when impacted, without damage to door. Drive system is a 3 phase, variable-speed AC Drive with brake and absolute encoder. Opens at 50" per second and closes at 21" per second.

08 33 39 00-0002 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 39 00-0001)*

08 33 39 00-0003 6' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 39 00-0002)*

08 33 39 00-0004	EA	6' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	8,828.50	313.34
08 33 39 00-0005	EA	6' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	8,974.47	326.65
08 33 39 00-0006	EA	6' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	9,151.04	339.97
08 33 39 00-0007	EA	6' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	9,373.51	353.29
08 33 39 00-0008	EA	6' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	9,609.25	366.60
08 33 39 00-0009	EA	6' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	10,004.10	379.92
08 33 39 00-0010	EA	6' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	10,285.73	393.24

08 33 39 00-0011 7' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 39 00-0002)*

08 33 39 00-0012	EA	7' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	9,005.07	326.65
08 33 39 00-0013	EA	7' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	9,189.80	339.97
08 33 39 00-0014	EA	7' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	9,420.43	353.29
08 33 39 00-0015	EA	7' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	9,664.33	366.60
08 33 39 00-0016	EA	7' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	9,984.72	379.92
08 33 39 00-0017	EA	7' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	10,370.39	393.24
08 33 39 00-0018	EA	7' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	10,675.49	406.55

08 33 39 00-0019 8' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 39 00-0002)*

08 33 39 00-0020	EA	8' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	9,220.40	339.97
08 33 39 00-0021	EA	8' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	9,450.01	353.29
08 33 39 00-0022	EA	8' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	9,703.09	366.60
08 33 39 00-0023	EA	8' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	10,032.66	379.92
08 33 39 00-0024	EA	8' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	10,330.61	393.24
08 33 39 00-0025	EA	8' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	10,749.95	406.55
08 33 39 00-0026	EA	8' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	11,094.83	419.87

08 33 39 00-0027 9' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 39 00-0002)*

08 33 39 00-0028	EA	9' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	9,480.61	353.29
08 33 39 00-0029	EA	9' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	9,732.67	366.60
08 33 39 00-0030	EA	9' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	10,062.24	379.92
08 33 39 00-0031	EA	9' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	10,369.37	393.24
08 33 39 00-0032	EA	9' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	10,691.81	406.55
08 33 39 00-0033	EA	9' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	11,026.49	419.87
08 33 39 00-0034	EA	9' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	11,392.78	433.19

08 33 39 00-0035 10' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 39 00-0002)*

08 33 39 00-0036	EA	10' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	9,757.15	366.60
08 33 39 00-0037	EA	10' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	10,092.84	379.92
08 33 39 00-0038	EA	10' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	10,397.93	393.24
08 33 39 00-0039	EA	10' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	10,722.41	406.55
08 33 39 00-0040	EA	10' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	11,082.59	419.87
08 33 39 00-0041	EA	10' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	11,452.96	433.19
08 33 39 00-0042	EA	10' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	11,768.25	446.50

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 39 00-0043		11' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 39 00-0002)*		
08 33 39 00-0044	EA	11' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	10,111.20	379.92
08 33 39 00-0045	EA	11' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	10,423.43	393.24
08 33 39 00-0046	EA	11' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	10,751.99	406.55
08 33 39 00-0047	EA	11' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	11,113.19	419.87
08 33 39 00-0048	EA	11' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	11,350.96	433.19
08 33 39 00-0049	EA	11' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	11,819.25	446.50
08 33 39 00-0050	EA	11' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	12,202.89	459.82
08 33 39 00-0051		12' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 39 00-0002)*		
08 33 39 00-0052	EA	12' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	10,431.59	393.24
08 33 39 00-0053	EA	12' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	10,769.33	406.55
08 33 39 00-0054	EA	12' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	11,136.65	419.87
08 33 39 00-0055	EA	12' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	11,383.60	433.19
08 33 39 00-0056	EA	12' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	11,706.03	446.50
08 33 39 00-0057	EA	12' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	12,245.73	459.82
08 33 39 00-0058	EA	12' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	12,622.22	473.14
08 33 39 00-0059		Rytec® PredaDoor® Door Options *(08 33 39 00-0001)*		
08 33 39 00-0060	EA	Up To 10' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors	306.00	78.33
08 33 39 00-0061	EA	>10' To 15' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors	510.00	78.33
08 33 39 00-0062	SF	Upgrade To 3-Ply Rilon Panel Material For Rytec® PredaDoor® High-Speed Rolling Doors	7.65	
08 33 39 00-0063		3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 39)*		
		Note: Rytec® Fast-Seal® FS1000. Door panel is heavy-duty 3-ply multi-filament Rilon. Independent opening and closing speeds up to 50" per second. Side frames are fully bolted together, reinforced with front and rear wind bar guides and full height vinyl weather seal on either side of the door panel. Counterbalance system consists of guided counterweights custom-sized to provide to provide proper balancing of each door system. The independent tension system maintains constant panel tensioning. The drive system is a 3 phase, variable speed AC drive motor with brake and absolute encoder. Bottom bar breaks away in either direction without damage to the bar, safety astragal, or side covers.		
08 33 39 00-0064		3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 39 00-0063)*		
08 33 39 00-0065		8' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 39 00-0064)*		
08 33 39 00-0066	EA	8' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	12,989.27	470.00
08 33 39 00-0067	EA	8' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	13,584.05	483.32
08 33 39 00-0068	EA	8' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	14,100.28	496.63
08 33 39 00-0069	EA	8' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	14,657.31	509.96
08 33 39 00-0070	EA	8' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	15,288.80	523.28
08 33 39 00-0071	EA	8' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	15,617.36	536.59
08 33 39 00-0072	EA	8' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	16,133.59	549.91
08 33 39 00-0073		9' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 39 00-0064)*		
08 33 39 00-0074	EA	9' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	13,584.05	483.32
08 33 39 00-0075	EA	9' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	14,100.28	496.63
08 33 39 00-0076	EA	9' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	14,657.31	509.96
08 33 39 00-0077	EA	9' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	15,288.80	523.28
08 33 39 00-0078	EA	9' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	15,617.36	536.59
08 33 39 00-0079	EA	9' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	16,133.59	549.91
08 33 39 00-0080	EA	9' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	16,802.82	563.23
08 33 39 00-0081		10' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 39 00-0064)*		
08 33 39 00-0082	EA	10' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	14,100.28	496.63
08 33 39 00-0083	EA	10' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	14,657.31	509.96
08 33 39 00-0084	EA	10' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	15,288.80	523.28
08 33 39 00-0085	EA	10' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	15,617.36	536.59
08 33 39 00-0086	EA	10' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	16,133.59	549.91
08 33 39 00-0087	EA	10' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	16,802.82	563.23
08 33 39 00-0088	EA	10' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	17,434.33	576.54
08 33 39 00-0089		11' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 39 00-0064)*		
08 33 39 00-0090	EA	11' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	14,657.31	509.96
08 33 39 00-0091	EA	11' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	15,288.80	523.28
08 33 39 00-0092	EA	11' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	15,617.36	536.59

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 39 00-0093	EA	11' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	16,133.59	549.91
08 33 39 00-0094	EA	11' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	16,802.82	563.23
08 33 39 00-0095	EA	11' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	17,434.33	576.54
08 33 39 00-0096	EA	11' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	18,140.28	589.86
08 33 39 00-0097		12' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 39 00-0064)*		
08 33 39 00-0098	EA	12' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	15,288.80	523.28
08 33 39 00-0099	EA	12' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	15,617.36	536.59
08 33 39 00-0100	EA	12' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	16,133.59	549.91
08 33 39 00-0101	EA	12' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	16,802.82	563.23
08 33 39 00-0102	EA	12' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	17,434.33	576.54
08 33 39 00-0103	EA	12' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	18,140.28	589.86
08 33 39 00-0104	EA	12' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	18,646.31	603.18
08 33 39 00-0105		13' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 39 00-0064)*		
08 33 39 00-0106	EA	13' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	16,005.98	536.59
08 33 39 00-0107	EA	13' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	16,669.09	549.91
08 33 39 00-0108	EA	13' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	17,297.52	563.23
08 33 39 00-0109	EA	13' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	18,028.99	576.54
08 33 39 00-0110	EA	13' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	18,757.38	589.86
08 33 39 00-0111	EA	13' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	19,296.05	603.18
08 33 39 00-0112	EA	13' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	19,703.14	616.49
08 33 39 00-0113		14' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 39 00-0064)*		
08 33 39 00-0114	EA	14' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	16,669.09	549.91
08 33 39 00-0115	EA	14' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	17,297.52	563.23
08 33 39 00-0116	EA	14' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	18,028.99	576.54
08 33 39 00-0117	EA	14' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	18,757.38	589.86
08 33 39 00-0118	EA	14' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	19,296.05	603.18
08 33 39 00-0119	EA	14' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	19,703.14	616.49
08 33 39 00-0120	EA	14' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	20,312.20	629.81
08 33 39 00-0121		Rytec® Fast-Seal® Door Options *(08 33 39 00-0063)*		
08 33 39 00-0122	LF	Strapped Windbar For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Multiply linear foot price x width of door.	30.60	
08 33 39 00-0123	EA	Up To 10' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	306.00	
08 33 39 00-0124	EA	>10' To 15' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	510.00	
08 33 39 00-0125	EA	>15' To 20' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	750.00	
08 33 39 00-0126	EA	One 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	193.80	
08 33 39 00-0127	EA	Two 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 90" wide.	382.50	
08 33 39 00-0128	EA	Three 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 102" wide.	484.50	
08 33 39 00-0129	EA	Four 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 136" wide.	765.00	
08 33 39 00-0130	EA	One 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	224.40	
08 33 39 00-0131	EA	Two 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 108" wide.	443.70	
08 33 39 00-0132	EA	Three 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 144" wide.	550.80	
08 33 39 00-0133	EA	Four 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 192" wide.	887.40	
08 33 39 00-0134		Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®) *(08 33 39)* Note: Door panels are double-walled aluminum slats that are 6" high x 1-3/16" thick. Width is variable. Side frames are galvanized steel with full height weatherseal on both sides. There are extension springs in each column for counterbalance. The drive system is a 2 HP, 208,230/460 Volt, three-phase motor with variable speed AC drive. Opening and closing speeds up to 60" per second.		
08 33 39 00-0135		Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®) *(08 33 39 00-0134)*		
08 33 39 00-0136		8' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 39 00-0135)*		
08 33 39 00-0137	EA	8' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	18,513.79	626.68
08 33 39 00-0138	EA	8' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	19,051.44	639.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 39 00-0139	EA	8' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	19,589.10	653.31
08 33 39 00-0140	EA	8' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	20,126.75	666.63
08 33 39 00-0141	EA	8' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	20,664.40	679.94
08 33 39 00-0142	EA	8' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	21,202.06	693.26
08 33 39 00-0143	EA	8' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	22,760.73	706.57
08 33 39 00-0144		9' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 39 00-0135)*		
08 33 39 00-0145	EA	9' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	19,051.44	639.99
08 33 39 00-0146	EA	9' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	19,589.10	653.31
08 33 39 00-0147	EA	9' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	20,126.75	666.63
08 33 39 00-0148	EA	9' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	20,664.40	679.94
08 33 39 00-0149	EA	9' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	21,202.06	693.26
08 33 39 00-0150	EA	9' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	21,739.71	706.57
08 33 39 00-0151	EA	9' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	23,298.38	719.89
08 33 39 00-0152		10' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 39 00-0135)*		
08 33 39 00-0153	EA	10' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	19,589.10	653.31
08 33 39 00-0154	EA	10' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	20,126.75	666.63
08 33 39 00-0155	EA	10' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	20,664.40	679.94
08 33 39 00-0156	EA	10' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	21,202.06	693.26
08 33 39 00-0157	EA	10' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	21,739.71	706.57
08 33 39 00-0158	EA	10' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	22,277.36	719.89
08 33 39 00-0159	EA	10' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	23,836.03	733.21
08 33 39 00-0160		11' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 39 00-0135)*		
08 33 39 00-0161	EA	11' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	20,126.75	666.63
08 33 39 00-0162	EA	11' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	20,664.40	679.94
08 33 39 00-0163	EA	11' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	21,202.06	693.26
08 33 39 00-0164	EA	11' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	21,739.71	706.57
08 33 39 00-0165	EA	11' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	22,277.36	719.89
08 33 39 00-0166	EA	11' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	22,815.01	733.21
08 33 39 00-0167	EA	11' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	24,372.68	746.52
08 33 39 00-0168		12' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 39 00-0135)*		
08 33 39 00-0169	EA	12' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	20,664.40	679.94
08 33 39 00-0170	EA	12' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	21,202.06	693.26
08 33 39 00-0171	EA	12' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	21,739.71	706.57
08 33 39 00-0172	EA	12' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	22,277.36	719.89
08 33 39 00-0173	EA	12' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	22,815.01	733.21
08 33 39 00-0174	EA	12' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	23,352.68	746.52
08 33 39 00-0175	EA	12' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	24,911.35	759.84
08 33 39 00-0176		13' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 39 00-0135)*		
08 33 39 00-0177	EA	13' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	21,202.06	693.26
08 33 39 00-0178	EA	13' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	21,739.71	706.57
08 33 39 00-0179	EA	13' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	22,277.36	719.89
08 33 39 00-0180	EA	13' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	22,815.01	733.21
08 33 39 00-0181	EA	13' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	23,352.68	746.52
08 33 39 00-0182	EA	13' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	23,890.33	759.84
08 33 39 00-0183	EA	13' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	25,449.00	773.16
08 33 39 00-0184		14' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 39 00-0135)*		
08 33 39 00-0185	EA	14' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	22,760.73	706.57
08 33 39 00-0186	EA	14' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	23,298.38	719.89
08 33 39 00-0187	EA	14' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	23,836.03	733.21
08 33 39 00-0188	EA	14' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	24,372.68	746.52
08 33 39 00-0189	EA	14' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	24,911.35	759.84
08 33 39 00-0190	EA	14' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	25,449.00	773.16
08 33 39 00-0191	EA	14' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	25,981.55	786.47
08 33 39 00-0192		Rytec® Spiral® Door Options *(08 33 39 00-0134)*		
08 33 39 00-0193	EA	Insulated Slats For Rytec® Spiral® High-Speed Rolling Doors Note: Per door price.	306.00	
08 33 39 00-0194	EA	Up To 13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors Note: Maximum of 4 per door.	204.00	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 39 00-0195	EA	>13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors Note: Maximum of 4 per door.	306.00	
08 33 39 00-0196	EA	Right Hand Motor Mount For Rytec® Spiral® High-Speed Rolling Doors	588.33	39.17
08 33 39 00-0197	EA	Up To 13' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors	1,686.66	78.33
08 33 39 00-0198	EA	>13' To 16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors	3,012.66	78.33
08 33 39 00-0199	EA	>16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors	3,420.66	78.33
08 33 39 00-0200		Activation And Control Box Options For High Speed Doors *(08 33 39)*		
08 33 39 00-0201	EA	Pull Cord For High-Speed Rolling Doors	154.83	39.17
08 33 39 00-0202	EA	Emergency Stop, Pushbutton Control For High-Speed Rolling Doors	115.67	19.58
08 33 39 00-0203	EA	NEMA 4 Mushroom Remote Pushbutton Control For High-Speed Rolling Doors	141.17	19.58
08 33 39 00-0204	EA	On/Off Key Switch, Remote Control For High-Speed Rolling Doors	151.37	19.58
08 33 39 00-0205	EA	Open/Close/Stop, Remote Pushbutton Control For High-Speed Rolling Doors	268.67	19.58
08 33 39 00-0206	EA	Radio Control For High-Speed Rolling Doors Note: Includes one receiver and two transmitters.	423.50	35.25
08 33 39 00-0207	EA	Floor Loop For High-Speed Rolling Doors Note: Excludes sealant.	729.79	
08 33 39 00-0208	EA	Reflective Type Photo Eye For High-Speed Rolling Doors	367.50	35.25
08 33 39 00-0209	EA	Thru-Beam Type Photo Eye For High-Speed Rolling Doors	474.50	35.25
08 33 39 00-0210	EA	Motion Detector For High-Speed Rolling Doors	404.00	23.50
08 33 39 00-0211	EA	Remote Warning Horn For High-Speed Rolling Doors Note: Includes wall box and mounting hardware.	282.33	39.17
08 33 39 00-0212	EA	Remote Strobe Light For High-Speed Rolling Doors Note: Includes wall box and mounting hardware.	384.33	39.17
08 33 39 00-0213	EA	Remote Warning Horn And Strobe Light For High-Speed Rolling Doors Note: Includes wall box and mounting hardware.	435.33	39.17
08 33 39 00-0214	EA	Red And Green Red Light For High-Speed Rolling Doors Note: Includes mounting hardware.	537.33	39.17
08 33 43		**Overhead Coiling Smoke Curtains** *(08 33)*		
08 33 43 00-0001		Elevator Smoke Guard *(08 33 43)*		
08 33 43 00-0002	EA	Elevator Smoke Guard, 55" Width Housing (Smoke Guard 400)	8,054.68	500.19
08 33 43 00-0003	EA	Elevator Smoke Guard, 64" Width Housing (Smoke Guard 400)	8,335.15	500.19
08 33 43 00-0004	EA	Elevator Smoke Guard, 73" Width Housing (Smoke Guard 400)	8,615.63	500.19
08 34		Special Function Doors *(08 30)*		
08 34 13		**Cold Storage Doors** *(08 34)*		
08 34 13 00-0001		Vertical Sliding Doors *(08 34 13)* Note: Doors to be filled with 4" F.I.P. polyurethane.		
08 34 13 00-0002	EA	7'-0" x 8'-0" Single Leaf Vertical Sliding Cold Storage, Filled With 4" F.I.P. Polyurethane	5,886.87	640.62
		For Adjusting Height Of Door To Fit Opening <7' Height, Add	*319.69*	
08 34 13 00-0003	EA	7'-0" x 9'-0" Bi-Pass Vertical Sliding Cold Storage Door, Filled With 4" F.I.P. Polyurethane	7,554.70	813.28
		For Adjusting Height Of Door To Fit Opening <7' Height, Add	*406.64*	
08 34 13 00-0004		Horizontal Sliding Doors *(08 34 13)* Note: Doors to be filled with 4" F.I.P. polyurethane.		
08 34 13 00-0005	EA	6'-0" x 9'-0" Single Leaf Horizontal Sliding Cold Storage, Filled With 4" F.I.P. Polyurethane	4,729.95	511.63
08 34 13 00-0006	EA	7'-0" x 9'-0" Single Leaf Horizontal Sliding Cold Storage, Filled With 4" F.I.P. Polyurethane	5,329.98	576.94
08 34 13 00-0007	EA	7'-0" x 9'-0" Bi-Parting Horizontal Sliding Cold Storage, Filled With 4" F.I.P. Polyurethane	6,884.85	760.34
08 34 13 00-0008	EA	5'-0" x 7'-0" Single Leaf Horizontal Sliding Cold Storage, Filled With 4" F.I.P. Polyurethane	4,115.79	464.87
08 34 13 00-0009		Horizontal Hinge Type *(08 34 13)* Note: Doors to be filled with 4" F.I.P. polyurethane.		
08 34 13 00-0010	EA	3'-0" x 7'-0" Swinging Cold Storage Door, Filled With 4" F.I.P. Polyurethane	2,785.27	302.38
08 34 16		**Hangar Doors** *(08 34)*		
08 34 16 00-0001	SF	70' To 120' Wide X To 20' High Hanger Door 25' Panels Note: Includes motorized opener and special hardware.	39.30	13.38
08 34 16 00-0002	SF	120' To 180' Wide X To 20' High Hanger Door 25' Panels Note: Includes motorized opener and special hardware.	36.15	13.38
08 34 16 00-0003	SF	120' To 180' Wide X 20-40' High Hanger Door 25' Panels Note: Includes motorized opener and special hardware.	34.09	2.87
08 34 16 00-0004	SF	120' To 180' Wide X 40-60' High Hanger Door 25' Panels Note: Includes motorized opener and special hardware.	33.32	1.91
08 34 16 00-0005	SF	120' To 180' Wide X 60-80' High Hanger Door 25' Panels Note: Includes motorized opener and special hardware.	34.21	1.91
08 34 16 00-0006	SF	120' To 180' Wide x >80' High Hanger Door 25' Panels Note: Includes motorized opener and special hardware.	51.84	1.91
08 34 23		**Sidewalk and Basement Doors** *(08 34)*		
08 34 23 00-0001		Drainage Doors *(08 34 23)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 23 00-0002		**Single Leaf Aluminum Drainage Doors** *(08 34 23 00-0001)* Note: Bilco - J Series.		
08 34 23 00-0003	EA	2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	967.86	139.52
08 34 23 00-0004	EA	2' 6" x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,194.04	145.78
08 34 23 00-0005	EA	3' x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,268.85	148.91
08 34 23 00-0006	EA	3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,401.07	152.04
08 34 23 00-0007	EA	3' 6" x 3' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,635.96	159.88
08 34 23 00-0008	EA	2' 6" x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,668.73	156.20
08 34 23 00-0009	EA	3' x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,859.10	159.88
08 34 23 00-0010	EA	2' 6" x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,941.11	163.56
08 34 23 00-0011	EA	3' x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,131.48	167.25
08 34 23 00-0012	EA	3' x 6' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,477.12	176.64
08 34 23 00-0013		**Double Leaf Aluminum Drainage Doors** *(08 34 23 00-0001)* Note: Bilco - JD Series.		
08 34 23 00-0014	EA	4' x 2' 6" Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,987.51	156.20
08 34 23 00-0015	EA	4' x 4' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,086.85	167.25
08 34 23 00-0016	EA	4' x 6' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,650.61	186.04
08 34 23 00-0017	EA	5' x 5' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,727.12	186.04
08 34 23 00-0018		**Single Leaf Aluminum H2O Drainage Doors** *(08 34 23 00-0001)* Note: Bilco - J H2O Series.		
08 34 23 00-0019	EA	2' x 2' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	1,560.79	139.52
08 34 23 00-0020	EA	2' 6" x 2' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	1,825.22	145.78
08 34 23 00-0021	EA	3' x 2' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	1,989.32	148.91
08 34 23 00-0022	EA	3' x 3' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,255.42	152.04
08 34 23 00-0023	EA	3' 6" x 3' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,611.45	159.88
08 34 23 00-0024		**Double Leaf Aluminum H2O Drainage Doors** *(08 34 23 00-0001)* Note: Bilco - JD H2O Series.		
08 34 23 00-0025	EA	4' x 2' 6" Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-1ALH2O)	2,612.32	156.20
08 34 23 00-0026	EA	4' x 4' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-2ALH2O)	3,502.24	167.25
08 34 23 00-0027	EA	4' x 6' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-3ALH2O)	4,990.46	186.04
08 34 23 00-0028	EA	5' x 5' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-4ALH2O)	4,697.18	186.04
08 34 23 00-0029		**Single Leaf Steel Drainage Doors** *(08 34 23 00-0001)* Note: Bilco - J Series.		
08 34 23 00-0030	EA	2' x 2' Single Leaf Steel Floor, Vault Or Sidewalk Door (Bilco J-1)	1,105.73	139.52
08 34 23 00-0031	EA	2' 6" x 2' 6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-2)	1,161.63	145.78
08 34 23 00-0032	EA	3' x 2' 6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-3)	1,292.49	148.91
08 34 23 00-0033	EA	3' x 3' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-4)	1,430.03	152.04
08 34 23 00-0034	EA	3' 6" x 3' 6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-5)	1,660.93	159.88
08 34 23 00-0035	EA	2' 6" x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-6)	1,582.39	156.20
08 34 23 00-0036	EA	3' x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-7)	1,800.39	159.88
08 34 23 00-0037	EA	2' 6" x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-8)	1,792.61	163.56
08 34 23 00-0038	EA	3' x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-9)	1,997.33	167.25
08 34 23 00-0039	EA	3' x 6' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-10)	2,130.98	176.64
08 34 23 00-0040		**Double Leaf Steel Drainage Doors** *(08 34 23 00-0001)* Note: Bilco - JD Series.		
08 34 23 00-0041	EA	4' x 2' 6" Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco JD-1)	1,941.02	156.20
08 34 23 00-0042	EA	4' x 4' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco JD-2)	2,037.18	167.25
08 34 23 00-0043	EA	4' x 6' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco JD-3)	2,536.91	186.04
08 34 23 00-0044	EA	5' x 5' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco JD-4)	2,609.97	186.04
08 34 23 00-0045		**Single Leaf Steel H2O Drainage Doors** *(08 34 23 00-0001)* Note: Bilco - J H2O Series.		
08 34 23 00-0046	EA	2' x 2' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco J-1H2O)	1,876.11	139.52
08 34 23 00-0047	EA	2' 6" x 2' 6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco J-2H2O)	1,985.14	145.78
08 34 23 00-0048	EA	3' x 2' 6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco J-3H2O)	2,056.26	148.91
08 34 23 00-0049	EA	3' x 3' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco J-4H2O)	2,419.59	152.04
08 34 23 00-0050	EA	3' 6" x 3' 6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco J-5H2O)	2,849.74	159.88
08 34 23 00-0051		**Double Leaf Steel H2O Drainage Doors** *(08 34 23 00-0001)* Note: Bilco - JD H2O Series.		
08 34 23 00-0052	EA	4' x 2' 6" Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-1H2O)	3,136.45	156.20
08 34 23 00-0053	EA	4' x 4' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-2H2O)	3,504.89	167.25
08 34 23 00-0054	EA	4' x 6' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-3H2O)	5,200.06	186.04
08 34 23 00-0055	EA	5' x 5' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-4H2O)	5,067.23	186.04
08 34 23 00-0056		**Single Leaf Aluminum Drainage Door** *(08 34 23 00-0001)* Note: Bilco - J-R (Odor Resistant).		
08 34 23 00-0057	EA	2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant (Bilco J-1ALR)	925.06	139.52

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 23 00-0058	EA	2' 6" x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant (Bilco J-2ALR)	1,091.90	145.78
08 34 23 00-0059	EA	3' x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant (Bilco J-3ALR)	1,156.34	148.91
08 34 23 00-0060	EA	3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant (Bilco J-4ALR)	1,221.95	152.04
08 34 23 00-0061	EA	3' 6" x 3' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant (Bilco J-5ALR)	1,378.48	159.88
08 34 23 00-0062		Non-Drainage Doors *(08 34 23)*		
08 34 23 00-0063		Single Leaf Aluminum Non-Drainage Doors *(08 34 23 00-0062)*		
		Note: Bilco - Q Series.		
08 34 23 00-0064	EA	2' x 2' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-1AL)	929.66	139.52
08 34 23 00-0065	EA	2' 6" x 2' 6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-2AL)	1,130.28	145.78
08 34 23 00-0066	EA	2' 6" x 3' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-3AL)	1,211.52	148.91
08 34 23 00-0067	EA	3' x 3' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-4AL)	1,260.83	152.04
08 34 23 00-0068	EA	3' 6" x 3' 6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-5AL)	1,591.33	159.88
08 34 23 00-0069	EA	2' 6" x 4' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-6AL)	1,432.86	156.20
08 34 23 00-0070	EA	3' x 4' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-7AL)	1,604.08	159.88
08 34 23 00-0071	EA	2' 6" x 5' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-8AL)	1,800.76	163.56
08 34 23 00-0072	EA	3' x 5' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-9AL)	1,908.41	167.25
08 34 23 00-0073	EA	3' x 6' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-10AL)	2,171.30	176.64
08 34 23 00-0074		Single Leaf Aluminum Non-Drainage Doors *(08 34 23 00-0062)*		
		Note: Bilco - K Series.		
08 34 23 00-0075	EA	2' x 2' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco K-1)	757.52	139.52
08 34 23 00-0076	EA	2' 6" x 2' 6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco K-2)	913.51	145.78
08 34 23 00-0077	EA	3' x 2' 6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco K-3)	1,013.87	148.91
08 34 23 00-0078	EA	3' x 3' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco K-4)	1,082.31	152.04
08 34 23 00-0079	EA	3' 6" x 3' 6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco K-5)	1,259.80	159.88
08 34 23 00-0080		Double Leaf Aluminum Non-Drainage Doors *(08 34 23 00-0062)*		
		Note: Bilco - QD Series.		
08 34 23 00-0081	EA	4' x 2' 6" Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco QD-1AL)	1,828.15	156.20
08 34 23 00-0082		Double Leaf Aluminum Non-Drainage Doors *(08 34 23 00-0062)*		
		Note: Bilco - KD Series.		
08 34 23 00-0083	EA	4' x 4' Double Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	1,749.02	167.25
08 34 23 00-0084	EA	4' x 6' Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco KD-3)	2,465.80	186.04
08 34 23 00-0085	EA	5' x 5' Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco KD-4)	2,516.81	186.04
08 34 23 00-0086		Single Leaf Aluminum Non-Drainage Doors *(08 34 23 00-0062)*		
		Note: Bilco - T Series.		
08 34 23 00-0087	EA	2' x 2' Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco T-1)	834.03	139.52
08 34 23 00-0088	EA	2' 6" x 2' 6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco T-2)	977.27	145.78
08 34 23 00-0089	EA	3' x 2' 6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco T-3)	1,045.75	148.91
08 34 23 00-0090	EA	3' x 3' Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco T-4)	1,146.07	152.04
08 34 23 00-0091	EA	3' 6" x 3' 6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco T-5)	1,342.68	159.88
08 34 23 00-0092		Double Leaf Aluminum Non-Drainage Doors *(08 34 23 00-0062)*		
		Note: Bilco - TD Series.		
08 34 23 00-0093	EA	4' x 4' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco TD-2)	1,857.40	167.25
08 34 23 00-0094	EA	4' x 6' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco TD-3)	2,599.69	186.04
08 34 23 00-0095	EA	5' x 5' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco TD-4)	2,637.94	186.04
08 34 23 00-0096		Single Leaf Steel Non-Drainage Doors *(08 34 23 00-0062)*		
		Note: Bilco - Q Series.		
08 34 23 00-0097	EA	2' x 2' Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-1)	760.44	139.52
08 34 23 00-0098	EA	2' 6" x 2' 6" Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-2)	849.49	145.78
08 34 23 00-0099	EA	3' x 2' 6" Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-3)	953.84	148.91
08 34 23 00-0100	EA	3' x 3' Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-4)	1,011.65	152.04
08 34 23 00-0101	EA	3' 6" x 3' 6" Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-5)	1,191.75	159.88
08 34 23 00-0102	EA	2' 6" x 4' Single Leaf Steel Non Drainage Floor, Vault Or Sidewalk Door	1,151.11	152.04
08 34 23 00-0103		Double Leaf Steel Non-Drainage Doors *(08 34 23 00-0062)*		
		Note: Bilco - QD Series.		
08 34 23 00-0104	EA	4' x 2' 6" Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco QD-1)	1,522.62	156.20
08 34 23 00-0105		Basement Doors *(08 34 23)*		
		Note: 12 gauge primed steel, center opening, includes assembly and installation hardware.		
08 34 23 00-0106	EA	45-1/4" Wide x 65-1/4" Long, Sloped Wall Basement Door, Factory Primed Metal (Bilco Classic Series)	1,051.44	176.25
08 34 23 00-0107	EA	30" High x 47" Wide x 58" Long, Basement Door (Bilco Classic Series)	871.48	133.56
08 34 23 00-0108	EA	22" High x 51" Wide x 64" Long, Basement Door (Bilco Classic Series)	907.43	146.88
08 34 23 00-0109	EA	19-1/2" High x 55" Wide x 72" Long, Basement Door (Bilco Classic Series)	969.53	156.66
08 34 23 00-0110	EA	52" High x 51" Wide x 43-1/4" Long, Basement Door (Bilco Classic Series)	1,073.77	176.25

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 49		**Radiation Shielding Doors And Frames** *(08 34)*		
08 34 49 13		**Neutron Shielding Doors And Frames** *(08 34 49)*		
08 34 49 13-0001		Lead Lined Doors And Frames *(08 34 49 13)*		
08 34 49 13-0002	SF	1/16" Thick Laminated Lead In Wood Door	43.50	7.83
08 34 49 13-0003	SF	1/8" Thick Laminated Lead In Wood Door	50.68	7.83
08 34 49 13-0004	LF	1/16" Thick Lead Lined Door Frame	43.81	7.83
08 34 49 13-0005	LF	1/8" Thick Lead Lined Door Frame	46.20	7.83
08 34 53		**Security Doors And Frames** *(08 34)*		
08 34 53 00-0001		Metal Security Doors, Bullet Resistant *(08 34 53)*		
		Note: Includes door, frame, hardware hinges, lockset and cylinder, all UL 753 Listed.		
08 34 53 00-0002	SF	Metal Security Door	44.03	6.99
08 34 53 00-0003	EA	Up To 3' x 7' (.38 caliber) Medium-Small Arms Metal Security Door	1,777.28	348.82
08 34 53 00-0004	EA	Up To 3' x 7' (.44 caliber) Super-Small Arms Metal Security Door	2,086.58	370.29
08 34 53 00-0005		Metal Security Doors *(08 34 53)*		
		Note: Includes standard pitcher handle latch, pneumatic closure, hinges and baked enamel finish.		
08 34 53 00-0006	EA	Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-501-28-O)	659.04	63.89
		Note: Top and bottom section are #12 mesh 0.028" stainless steel wire cloth with a bottom kick plate.		
08 34 53 00-0007	EA	Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-503-28-O)	659.04	63.89
		Note: Top section is #12 mesh 0.028" stainless steel wire cloth and bottom section is a double kick panel.		
08 34 53 00-0008	EA	Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-504-28-O)	924.69	63.89
		Note: Top section includes 1/8" tempered sash unit and #12 mesh 0.028" stainless steel wire cloth. Bottom section is a double kick panel.		
08 34 56		**Security Gates** *(08 34)*		
08 34 56 00-0001		Pivoting Double Folding Gate *(08 34 56)*		
		Note: Includes locking bar, solid steel casters and galvanized finish. Excludes padlock.		
08 34 56 00-0002	EA	6' To 8' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	736.39	149.03
08 34 56 00-0003	EA	8' To 10' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	826.77	167.66
08 34 56 00-0004	EA	8' To 10' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	890.60	186.29
08 34 56 00-0005	EA	8' To 10' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate	980.98	204.92
08 34 56 00-0006	EA	10' To 12' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	832.99	150.89
08 34 56 00-0007	EA	10' To 12' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	896.96	169.53
08 34 56 00-0008	EA	10' To 12' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	983.58	188.15
08 34 56 00-0009	EA	10' To 12' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate	1,051.54	206.78
08 34 56 00-0010	EA	12' To 14' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate	876.55	152.76
08 34 56 00-0011	EA	12' To 14' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	940.31	171.39
08 34 56 00-0012	EA	12' To 14' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	992.22	180.70
08 34 56 00-0013	EA	12' To 14' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,044.30	190.02
08 34 56 00-0014	EA	12' To 14' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate	1,114.79	208.65
08 34 56 00-0015	EA	14' To 16' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate	960.03	154.62
08 34 56 00-0016	EA	14' To 16' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,023.60	173.25
08 34 56 00-0017	EA	14' To 16' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	1,082.09	182.57
08 34 56 00-0018	EA	14' To 16' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,154.48	191.88
08 34 56 00-0019	EA	14' To 16' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate	1,257.80	210.51
08 34 56 00-0020	EA	16' To 18' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate	1,087.13	158.35
08 34 56 00-0021	EA	16' To 18' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,167.63	178.84
08 34 56 00-0022	EA	16' To 18' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	1,256.34	190.02
08 34 56 00-0023	EA	16' To 18' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,308.17	195.61
08 34 56 00-0024		Pivoting Single Folding Gate *(08 34 56)*		
		Note: Includes locking bar, solid steel casters and galvanized finish. Excludes padlock.		
08 34 56 00-0025	EA	5' To 6' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate	500.88	104.32
08 34 56 00-0026	EA	5' To 6' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	534.88	108.05
08 34 56 00-0027	EA	5' To 6' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate	568.89	111.77
08 34 56 00-0028	EA	5' To 6' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	610.38	119.23
08 34 56 00-0029	EA	5' To 6' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate	638.56	126.68
08 34 56 00-0030	EA	6' To 7' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate	534.77	108.05
08 34 56 00-0031	EA	6' To 7' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	568.94	111.77
08 34 56 00-0032	EA	6' To 7' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate	602.97	115.50
08 34 56 00-0033	EA	6' To 7' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	644.41	122.95
08 34 56 00-0034	EA	6' To 7' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate	672.76	130.41
08 34 56 00-0035	EA	7' To 8' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate	582.06	111.77
08 34 56 00-0036	EA	7' To 8' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	616.25	115.50
08 34 56 00-0037	EA	7' To 8' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate	650.21	119.23
08 34 56 00-0038	EA	7' To 8' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	691.77	126.68
08 34 56 00-0039	EA	7' To 8' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate	733.42	134.13
08 34 56 00-0040		Window Gates, Expands From 2' To 4' *(08 34 56)*		
		Note: Includes padlock hasp and galvanized finish. Excludes padlock.		
08 34 56 00-0041	EA	33" High Window Gate, Up To 4' Wide Opening	203.21	40.99

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 56 00-0042	EA	37" High Window Gate, Up To 4' Wide Opening	210.67	44.71
08 34 56 00-0043	EA	40" High Window Gate, Up To 4' Wide Opening	210.67	44.71
08 34 56 00-0044	EA	43" High Window Gate, Up To 4' Wide Opening	218.65	48.43
08 34 56 00-0045	EA	46" High Window Gate, Up To 4' Wide Opening	218.65	48.43
08 34 56 00-0046	EA	49" High Window Gate, Up To 4' Wide Opening	226.09	52.16
08 34 56 00-0047	EA	51" High Window Gate, Up To 4' Wide Opening	226.09	52.16
08 34 56 00-0048	EA	53" High Window Gate, Up To 4' Wide Opening	233.54	55.89
08 34 56 00-0049	EA	55" High Window Gate, Up To 4' Wide Opening	233.54	55.89
08 34 56 00-0050	EA	57" High Window Gate, Up To 4' Wide Opening	241.00	59.61
08 34 56 00-0051	EA	59" High Window Gate, Up To 4' Wide Opening	241.00	59.61
08 34 56 00-0052		Pivoting Door Gate, Expands From 2' To 4' *(08 34 56)*		
		Note: Includes padlock hasp and galvanized finish. Excludes padlock.		
08 34 56 00-0053	EA	61" High Pivoting Door Gate, Up To 4' Wide Opening	248.45	63.34
08 34 56 00-0054	EA	63" High Pivoting Door Gate, Up To 4' Wide Opening	250.07	63.34
08 34 56 00-0055	EA	66" High Pivoting Door Gate, Up To 4' Wide Opening	259.68	67.07
08 34 56 00-0056	EA	71" High Pivoting Door Gate, Up To 4' Wide Opening	269.28	70.79
08 34 56 00-0057	EA	73" High Pivoting Door Gate, Up To 4' Wide Opening	271.43	70.79
08 34 56 00-0058	EA	76" High Pivoting Door Gate, Up To 4' Wide Opening	281.03	74.51
08 34 56 00-0059	EA	79" High Pivoting Door Gate, Up To 4' Wide Opening	283.18	74.51
08 34 56 00-0060	EA	81" High Pivoting Door Gate, Up To 4' Wide Opening	292.12	78.24
08 34 56 00-0061	EA	83" High Pivoting Door Gate, Up To 4' Wide Opening	294.94	78.24
08 34 63		**Detention Doors And Frames** *(08 34)*		
08 34 63 13		**Steel Detention Doors And Frames** *(08 34 63)*		
08 34 63 13-0001		Metal Frames *(08 34 63 13)*		
		Note: Combination buck, jamb, and trim, fully seam welded.		
08 34 63 13-0002		Metal Frames 4-3/4" Depth x 7 Gauge x 1-3/4" *(08 34 63 13-0001)*		
08 34 63 13-0003	EA	2' x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	332.27	122.36
08 34 63 13-0004	EA	2'-4" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	332.27	122.36
08 34 63 13-0005	EA	2'-6" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	332.27	122.36
08 34 63 13-0006	EA	2'-8" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	332.27	122.36
08 34 63 13-0007	EA	3' x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	333.99	122.36
08 34 63 13-0008	EA	3'-4" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	333.99	122.36
08 34 63 13-0009	EA	6' x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	498.02	195.83
08 34 63 13-0010	EA	2' x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	337.42	122.36
08 34 63 13-0011	EA	2'-4" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	337.42	122.36
08 34 63 13-0012	EA	2'-6" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	337.42	122.36
08 34 63 13-0013	EA	2'-8" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	342.56	122.36
08 34 63 13-0014	EA	3' x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	424.17	163.17
08 34 63 13-0015	EA	3'-4" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	424.17	163.17
08 34 63 13-0016	EA	6' x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	508.31	195.83
08 34 63 13-0017	EA	2' x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	337.42	122.36
08 34 63 13-0018	EA	2'-4" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	337.42	122.36
08 34 63 13-0019	EA	2'-6" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	337.42	122.36
08 34 63 13-0020	EA	2'-8" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	337.42	122.36
08 34 63 13-0021	EA	3' x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	339.13	122.36
08 34 63 13-0022	EA	3'-4" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	339.13	122.36
08 34 63 13-0023	EA	6' x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	503.17	195.83
08 34 63 13-0024		Metal Frames 6-3/4" Depth x 7 Gauge x 1-3/4" *(08 34 63 13-0001)*		
08 34 63 13-0025	EA	2' x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	337.42	122.36
08 34 63 13-0026	EA	2'-4" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	337.42	122.36
08 34 63 13-0027	EA	2'-6" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	337.42	122.36
08 34 63 13-0028	EA	2'-8" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	337.42	122.36
08 34 63 13-0029	EA	3' x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	340.85	122.36
08 34 63 13-0030	EA	3'-4" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	340.85	122.36
08 34 63 13-0031	EA	6' x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	503.16	195.83
08 34 63 13-0032	EA	2' x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	337.42	122.36
08 34 63 13-0033	EA	2'-4" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	337.42	122.36
08 34 63 13-0034	EA	2'-6" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	342.56	122.36
08 34 63 13-0035	EA	2'-8" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	342.56	122.36
08 34 63 13-0036	EA	3' x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	424.17	163.17
08 34 63 13-0037	EA	3'-4" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	424.17	163.17
08 34 63 13-0038	EA	6' x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	588.67	217.46
08 34 63 13-0039	EA	2' x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	342.56	122.36
08 34 63 13-0040	EA	2'-4" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	342.56	122.36
08 34 63 13-0041	EA	2'-6" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	342.56	122.36
08 34 63 13-0042	EA	2'-8" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	342.56	122.36
08 34 63 13-0043	EA	3' x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	344.28	122.36
08 34 63 13-0044	EA	3'-4" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	344.28	122.36
08 34 63 13-0045	EA	6' x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	508.31	195.83
08 34 63 13-0046		Metal Doors *(08 34 63 13)*		
		Note: Flush type reinforced with stiffeners.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 63 13-0047		**10 Gauge 1-3/4" Door** *(08 34 63 13-0046)*		
08 34 63 13-0048	EA	2' x 6'-8" x 1-3/4" 10 Gauge Metal Door	365.07	43.48
08 34 63 13-0049	EA	2'-4" x 6'-8" x 1-3/4" 10 Gauge Metal Door	369.04	43.48
08 34 63 13-0050	EA	2'-6" x 6'-8" x 1-3/4" 10 Gauge Metal Door	373.01	43.48
08 34 63 13-0051	EA	2'-8" x 6'-8" x 1-3/4" 10 Gauge Metal Door	376.99	43.48
08 34 63 13-0052	EA	3' x 6'-8" x 1-3/4" 10 Gauge Metal Door	380.96	43.48
08 34 63 13-0053	EA	3'-4" x 6'-8" x 1-3/4" 10 Gauge Metal Door	400.82	43.48
08 34 63 13-0054	EA	Pair 3' x 6'-8" x 1-3/4" 10 Gauge Metal Door	744.49	78.33
08 34 63 13-0055	EA	2' x 7' x 1-3/4" 10 Gauge Metal Door	389.77	43.48
08 34 63 13-0056	EA	2'-4" x 7' x 1-3/4" 10 Gauge Metal Door	393.90	43.48
08 34 63 13-0057	EA	2'-6" x 7' x 1-3/4" 10 Gauge Metal Door	396.50	43.48
08 34 63 13-0058	EA	2'-8" x 7' x 1-3/4" 10 Gauge Metal Door	432.67	43.48
08 34 63 13-0059	EA	3' x 7' x 1-3/4" 10 Gauge Metal Door	519.97	43.48
08 34 63 13-0060	EA	3'-4" x 7' x 1-3/4" 10 Gauge Metal Door	564.88	43.48
08 34 63 13-0061	EA	Pair 3' x 7' x 1-3/4" 10 Gauge Metal Door	830.74	78.33
08 34 63 13-0062	EA	2' x 7'-2" x 1-3/4" 10 Gauge Metal Door	378.97	43.48
08 34 63 13-0063	EA	2'-4" x 7'-2" x 1-3/4" 10 Gauge Metal Door	382.94	43.48
08 34 63 13-0064	EA	2'-6" x 7'-2" x 1-3/4" 10 Gauge Metal Door	386.91	43.48
08 34 63 13-0065	EA	2'-8" x 7'-2" x 1-3/4" 10 Gauge Metal Door	390.89	43.48
08 34 63 13-0066	EA	3' x 7'-2" x 1-3/4" 10 Gauge Metal Door	394.86	43.48
08 34 63 13-0067	EA	3'-4" x 7-2" x 1-3/4" 10 Gauge Metal Door	414.72	43.48
08 34 63 13-0068	EA	Pair 3' x 7'-2" x 1-3/4" 10 Gauge Metal Door	772.30	78.33
08 34 63 13-0069		**Pneumatic Door Operators** *(08 34 63 13)*		
08 34 63 13-0070	EA	Pneumatic Cell Entry Door Operator With Hardware Set	3,059.54	
08 34 63 13-0071	EA	Pneumatic Special Housing Cell Door Operator With Hardware Set	3,336.33	
08 34 63 13-0072	EA	Pneumatic MS Cell Door Operator With Hardware Set	4,174.06	
08 34 63 13-0073	EA	Pneumatic Sally Port Door Operator With Hardware Set	4,908.28	
08 34 63 13-0074	EA	Pneumatic Corridor Door Operator With Hardware Set	5,982.66	
08 34 63 13-0075	EA	Emergency Release Cabinet With Seven Gallon Storage Tank, Check Valve, Pressure Gauge, Three Way Valves And Four Release Valves	3,021.42	
08 34 63 13-0076		**Prison Doors And Frame Assembly** *(08 34 63 13)*		
08 34 63 13-0077	EA	2'-6" x 6'-8", 7 Gauge Flat Door With 7 Gauge Reinforcement Plate, Prison Security Doors And Frames Note: Complete, with hardware, single plate.	5,790.91	350.36
		For 5" x 15-1/2" Opening Food Pass Assembly, Add	*105.00*	
08 34 63 13-0078	EA	2'-6" x 6'-8", 7 Gauge Flat Door With Double 7 Gauge Reinforcement Plate, Prison Security Doors And Frames Note: Complete, with hardware, double plate.	6,984.09	348.10
		For 5" x 15-1/2" Opening Food Pass Assembly, Add	*105.00*	
08 34 73		**Sound Control Door Assemblies** *(08 34)*		
08 34 73 00-0001		**Acoustical Doors And Frames** *(08 34 73)*		
08 34 73 00-0002		**Steel Acoustical Doors And Frames** *(08 34 73 00-0001)* Note: Includes seals.		
08 34 73 00-0003		**Steel Acoustical Doors** *(08 34 73 00-0002)* Note: Includes hinges.		
08 34 73 00-0004	EA	3' x 7', 14 Gauge, STC 50, Steel Acoustical Door (Unrated)	2,026.40	47.00
		For 60 Minutes Fire Rated, Add	*116.72*	
		For 3" x 33" Vision Lite, Add	*811.07*	
		For 20" x 64" Vision Lite, Add	*867.93*	
08 34 73 00-0005	EA	3'-6" x 7', 14 Gauge, STC 52, Steel Acoustical Door (Unrated)	2,147.04	48.96
		For 60 Minutes Fire Rated, Add	*116.72*	
		For 3" x 33" Vision Lite, Add	*811.07*	
		For 20" x 64" Vision Lite, Add	*867.93*	
08 34 73 00-0006	EA	4' x 7', 14 Gauge, STC 53, Steel Acoustical Door (Unrated)	2,271.59	52.88
		For 60 Minutes Fire Rated, Add	*116.72*	
		For 3" x 33" Vision Lite, Add	*811.07*	
		For 20" x 64" Vision Lite, Add	*867.93*	
08 34 73 00-0007	PR	Pair 3' x 7', 14 Gauge, STC 50, Steel Acoustical Doors (Unrated)	4,043.39	89.30
		For 1 Hour Fire Rated, Add	*233.44*	
		For 3" x 33" Windows, Add	*1,622.14*	
		For 20" x 64" Windows, Add	*1,735.86*	
08 34 73 00-0008		**Steel Acoustical Door Frames** *(08 34 73 00-0002)*		
08 34 73 00-0009	EA	3' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	1,671.05	78.33
08 34 73 00-0010	EA	3' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	1,713.95	78.33
08 34 73 00-0011	EA	3' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	1,756.85	78.33
08 34 73 00-0012	EA	3' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	1,799.75	78.33
08 34 73 00-0013	EA	3'-6" x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	1,910.19	86.17
08 34 73 00-0014	EA	3'-6" x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	1,958.08	86.17
08 34 73 00-0015	EA	3'-6" x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	2,000.97	86.17
08 34 73 00-0016	EA	3'-6" x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	2,054.18	86.17
08 34 73 00-0017	EA	4' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	2,152.46	90.08
08 34 73 00-0018	EA	4' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	2,195.36	90.08
08 34 73 00-0019	EA	4' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	2,238.26	90.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 00-0020	EA	4' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	2,286.14	90.08
08 34 73 00-0021	EA	6' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	3,793.12	101.83
08 34 73 00-0022	EA	6' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	3,834.02	101.83
08 34 73 00-0023	EA	6' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	3,877.92	101.83
08 34 73 00-0024	EA	6' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	3,922.81	101.83
08 34 73 00-0025		Wood Acoustical Door Systems, Prefinished *(08 34 73 00-0001)*		
		Note: Includes the door, frame, hinges and seals.		
08 34 73 00-0026	EA	3' x 7', STC 41, Wood Acoustical Door System (Unrated)	2,055.56	141.00
08 34 73 00-0027	EA	3' x 7', STC 49, Wood Acoustical Door System (Unrated)	2,803.78	141.00

08 36 Panel Doors *(08 30)*

08 36 13 Sectional Doors *(08 36)*

08 36 13 00-0001		Sectional Wood Overhead Doors *(08 36 13)*		
08 36 13 00-0002		Wood Sectional Overhead Doors *(08 36 13 00-0001)*		
		Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.		
08 36 13 00-0003	EA	8' x 8', Wood Sectional Door, Manual Lift	2,077.07	313.34
08 36 13 00-0004	EA	10' x 10', Wood Sectional Door, Manual Lift	2,585.75	347.80
08 36 13 00-0005	EA	12' x 12', Wood Sectional Door, Manual Lift	3,301.25	416.74
08 36 13 00-0006	EA	14' x 14', Wood Sectional Door, Manual Lift	4,766.39	482.54
08 36 13 00-0007	EA	12' x 16', Wood Sectional Door, Manual Lift	5,114.75	626.68
08 36 13 00-0008	EA	20' x 8', Wood Sectional Door, Manual Lift	4,858.77	783.34
08 36 13 00-0009	EA	20' x 16', Wood Sectional Door, Manual Lift	8,896.45	1,044.20
08 36 13 00-0010		Residential Grade, Wood Sectional Overhead Doors *(08 36 13 00-0001)*		
		Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.		
08 36 13 00-0011	EA	9' x 7', Residential Grade, Wood Sectional Door, Manual Lift	1,072.58	156.66
		For Hardboard Face, Add	*115.00*	
		For Insulation, Add	*117.00*	
		For Motor Operator With Remote Controls, Add	*383.09*	
		For Each Glass Vision Panel In Door, Add	*50.00*	
08 36 13 00-0012	EA	16' x 7', Residential Grade, Wood Sectional Door, Manual Lift	1,696.33	156.66
		For Hardboard Face, Add	*115.00*	
		For Insulation, Add	*117.00*	
		For Motor Operator With Remote Controls, Add	*406.38*	
		For Each Glass Vision Panel In Door, Add	*50.00*	
08 36 13 00-0013		Sectional Metal Overhead Doors *(08 36 13)*		
		Note: Includes tracks and all hardware.		
08 36 13 00-0014		Galvanized Steel Sectional Overhead Doors *(08 36 13 00-0013)*		
08 36 13 00-0015		Non-Insulated, 24 Gauge Galvanized Steel Sectional Doors *(08 36 13 00-0014)*		
		Note: Includes 2" door, tracks and hardware. Excludes frame.		
08 36 13 00-0016	EA	8' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,027.54	274.17
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*69.48*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*119.80*	
		For Aluminum, Mill Finish, Add	*54.63*	
		For Aluminum, Anodized Finish, Add	*152.86*	
08 36 13 00-0017	EA	8' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,205.18	313.34
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*83.88*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*144.63*	
		For Aluminum, Mill Finish, Add	*65.95*	
		For Aluminum, Anodized Finish, Add	*184.54*	
08 36 13 00-0018	EA	8' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,490.64	391.67
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*102.56*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*176.83*	
		For Aluminum, Mill Finish, Add	*80.63*	
		For Aluminum, Anodized Finish, Add	*225.63*	
08 36 13 00-0019	EA	10' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,160.96	313.34
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*77.47*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*133.57*	
		For Aluminum, Mill Finish, Add	*60.91*	
		For Aluminum, Anodized Finish, Add	*170.44*	
08 36 13 00-0020	EA	10' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,434.00	391.67
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*94.35*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*162.67*	
		For Aluminum, Mill Finish, Add	*74.18*	
		For Aluminum, Anodized Finish, Add	*207.56*	
08 36 13 00-0021	EA	10' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,814.09	509.17
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*115.38*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*198.94*	
		For Aluminum, Mill Finish, Add	*90.72*	
		For Aluminum, Anodized Finish, Add	*253.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0022	EA	10' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,159.29	626.68
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*131.36*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*226.49*	
		For Aluminum, Mill Finish, Add	*103.28*	
		For Aluminum, Anodized Finish, Add	*288.99*	
08 36 13 00-0023	EA	12' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,396.77	391.67
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*88.95*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*153.36*	
		For Aluminum, Mill Finish, Add	*69.93*	
		For Aluminum, Anodized Finish, Add	*195.68*	
08 36 13 00-0024	EA	12' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,758.23	509.17
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*107.28*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*184.97*	
		For Aluminum, Mill Finish, Add	*84.35*	
		For Aluminum, Anodized Finish, Add	*236.02*	
08 36 13 00-0025	EA	12' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,149.19	626.68
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*129.90*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*223.96*	
		For Aluminum, Mill Finish, Add	*102.13*	
		For Aluminum, Anodized Finish, Add	*285.77*	
08 36 13 00-0026	EA	12' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,538.60	744.18
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*152.29*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*262.56*	
		For Aluminum, Mill Finish, Add	*119.73*	
		For Aluminum, Anodized Finish, Add	*335.03*	
08 36 13 00-0027	EA	12' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,037.37	900.84
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*179.18*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*308.92*	
		For Aluminum, Mill Finish, Add	*140.87*	
		For Aluminum, Anodized Finish, Add	*394.19*	
08 36 13 00-0028	EA	14' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,684.53	509.17
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*96.60*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*166.55*	
		For Aluminum, Mill Finish, Add	*75.95*	
		For Aluminum, Anodized Finish, Add	*212.51*	
08 36 13 00-0029	EA	14' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,072.38	626.68
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*118.76*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*204.76*	
		For Aluminum, Mill Finish, Add	*93.37*	
		For Aluminum, Anodized Finish, Add	*261.27*	
08 36 13 00-0030	EA	14' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,563.40	783.34
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*144.52*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*249.18*	
		For Aluminum, Mill Finish, Add	*113.62*	
		For Aluminum, Anodized Finish, Add	*317.95*	
08 36 13 00-0031	EA	14' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,954.35	900.84
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*167.14*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*288.17*	
		For Aluminum, Mill Finish, Add	*131.40*	
		For Aluminum, Anodized Finish, Add	*367.70*	
08 36 13 00-0032	EA	14' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,386.43	1,018.35
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*195.71*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*337.44*	
		For Aluminum, Mill Finish, Add	*153.87*	
		For Aluminum, Anodized Finish, Add	*430.57*	
08 36 13 00-0033	EA	16' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,045.22	626.68
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*114.82*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*197.97*	
		For Aluminum, Mill Finish, Add	*90.27*	
		For Aluminum, Anodized Finish, Add	*252.61*	
08 36 13 00-0034	EA	16' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,534.69	783.34
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*140.36*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*242.00*	
		For Aluminum, Mill Finish, Add	*110.35*	
		For Aluminum, Anodized Finish, Add	*308.79*	
08 36 13 00-0035	EA	16' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,969.08	900.84
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*169.27*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*291.85*	
		For Aluminum, Mill Finish, Add	*133.08*	
		For Aluminum, Anodized Finish, Add	*372.40*	
08 36 13 00-0036	EA	16' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,502.81	1,018.35
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*212.59*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*366.53*	
		For Aluminum, Mill Finish, Add	*167.14*	
		For Aluminum, Anodized Finish, Add	*467.69*	
08 36 13 00-0037	EA	16' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,072.98	1,175.01
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*249.83*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*430.74*	
		For Aluminum, Mill Finish, Add	*196.42*	
		For Aluminum, Anodized Finish, Add	*549.62*	
08 36 13 00-0038	EA	18' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,594.44	783.34
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*149.02*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*256.94*	
		For Aluminum, Mill Finish, Add	*117.16*	
		For Aluminum, Anodized Finish, Add	*327.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0039	EA	18' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,076.16	900.84
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*184.80*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*318.62*	
		For Aluminum, Mill Finish, Add	*145.29*	
		For Aluminum, Anodized Finish, Add	*406.56*	
08 36 13 00-0040	EA	18' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,673.51	1,018.35
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*237.34*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*409.21*	
		For Aluminum, Mill Finish, Add	*186.60*	
		For Aluminum, Anodized Finish, Add	*522.15*	
08 36 13 00-0041	EA	18' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,244.45	1,175.01
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*274.69*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*473.60*	
		For Aluminum, Mill Finish, Add	*215.96*	
		For Aluminum, Anodized Finish, Add	*604.32*	
08 36 13 00-0042	EA	18' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,863.50	1,331.68
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*319.02*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*550.03*	
		For Aluminum, Mill Finish, Add	*250.81*	
		For Aluminum, Anodized Finish, Add	*701.84*	
08 36 13 00-0043	EA	20' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,954.35	900.84
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*167.14*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*288.17*	
		For Aluminum, Mill Finish, Add	*131.40*	
		For Aluminum, Anodized Finish, Add	*367.70*	
08 36 13 00-0044	EA	20' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,436.09	1,018.35
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*202.91*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*349.85*	
		For Aluminum, Mill Finish, Add	*159.53*	
		For Aluminum, Anodized Finish, Add	*446.41*	
08 36 13 00-0045	EA	20' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,184.71	1,175.01
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*266.03*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*458.67*	
		For Aluminum, Mill Finish, Add	*209.15*	
		For Aluminum, Anodized Finish, Add	*585.26*	
08 36 13 00-0046	EA	20' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,755.65	1,331.68
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*303.38*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*523.07*	
		For Aluminum, Mill Finish, Add	*238.52*	
		For Aluminum, Anodized Finish, Add	*667.43*	
08 36 13 00-0047	EA	20' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,765.75	1,488.35
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*404.41*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*697.26*	
		For Aluminum, Mill Finish, Add	*317.95*	
		For Aluminum, Anodized Finish, Add	*889.70*	
08 36 13 00-0048	EA	22' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,299.53	1,018.35
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*183.11*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*315.71*	
		For Aluminum, Mill Finish, Add	*143.96*	
		For Aluminum, Anodized Finish, Add	*402.85*	
08 36 13 00-0049	EA	22' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,017.90	1,175.01
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*241.84*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*416.97*	
		For Aluminum, Mill Finish, Add	*190.14*	
		For Aluminum, Anodized Finish, Add	*532.05*	
08 36 13 00-0050	EA	22' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,720.74	1,331.68
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*298.32*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*514.34*	
		For Aluminum, Mill Finish, Add	*234.54*	
		For Aluminum, Anodized Finish, Add	*656.30*	
08 36 13 00-0051	EA	22' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,515.14	1,488.35
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*368.07*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*634.60*	
		For Aluminum, Mill Finish, Add	*289.38*	
		For Aluminum, Anodized Finish, Add	*809.75*	
08 36 13 00-0052	EA	22' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,196.98	1,645.02
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*421.51*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*726.74*	
		For Aluminum, Mill Finish, Add	*331.39*	
		For Aluminum, Anodized Finish, Add	*927.32*	
08 36 13 00-0053	EA	24' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,688.15	1,175.01
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*194.03*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*334.53*	
		For Aluminum, Mill Finish, Add	*152.54*	
		For Aluminum, Anodized Finish, Add	*426.86*	
08 36 13 00-0054	EA	24' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,430.55	1,331.68
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*256.24*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*441.79*	
		For Aluminum, Mill Finish, Add	*201.46*	
		For Aluminum, Anodized Finish, Add	*563.73*	
08 36 13 00-0055	EA	24' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,307.20	1,488.35
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*337.92*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*582.62*	
		For Aluminum, Mill Finish, Add	*265.67*	
		For Aluminum, Anodized Finish, Add	*743.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0056	EA	24' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,920.77	1,645.02
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*381.46*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*657.69*	
		For Aluminum, Mill Finish, Add	*299.90*	
		For Aluminum, Anodized Finish, Add	*839.21*	
08 36 13 00-0057	EA	24' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,616.62	1,801.69
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*436.92*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*753.31*	
		For Aluminum, Mill Finish, Add	*343.51*	
		For Aluminum, Anodized Finish, Add	*961.23*	

08 36 13 00-0058 Insulated, 24 Gauge Galvanized Steel Sectional Doors *(08 36 13 00-0014)*

Note: Includes 2" door with polystyrene insulation, 26 gauge interior cover, tracks and hardware. Excludes frame.

08 36 13 00-0059	EA	8' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,255.87	274.17
		For Aluminum, Mill Finish, Add	*80.66*	
		For Aluminum, Anodized Finish, Add	*225.70*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*35.38*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*155.66*	
08 36 13 00-0060	EA	8' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,488.59	313.34
		For Aluminum, Mill Finish, Add	*98.26*	
		For Aluminum, Anodized Finish, Add	*274.95*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*43.10*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*189.62*	
08 36 13 00-0061	EA	8' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,832.54	391.67
		For Aluminum, Mill Finish, Add	*119.61*	
		For Aluminum, Anodized Finish, Add	*334.69*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*52.46*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*230.82*	
08 36 13 00-0062	EA	10' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,457.12	313.34
		For Aluminum, Mill Finish, Add	*94.67*	
		For Aluminum, Anodized Finish, Add	*264.91*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*41.52*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*182.70*	
08 36 13 00-0063	EA	10' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,793.77	391.67
		For Aluminum, Mill Finish, Add	*115.19*	
		For Aluminum, Anodized Finish, Add	*322.33*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*50.52*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*222.29*	
08 36 13 00-0064	EA	10' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,287.04	509.17
		For Aluminum, Mill Finish, Add	*144.63*	
		For Aluminum, Anodized Finish, Add	*404.72*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*63.44*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*279.11*	
08 36 13 00-0065	EA	10' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,675.70	626.68
		For Aluminum, Mill Finish, Add	*162.15*	
		For Aluminum, Anodized Finish, Add	*453.73*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*71.12*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*312.92*	
08 36 13 00-0066	EA	12' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,734.51	391.67
		For Aluminum, Mill Finish, Add	*108.43*	
		For Aluminum, Anodized Finish, Add	*303.42*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*47.56*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*209.26*	
08 36 13 00-0067	EA	12' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,175.10	509.17
		For Aluminum, Mill Finish, Add	*131.87*	
		For Aluminum, Anodized Finish, Add	*369.01*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*57.84*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*254.49*	
08 36 13 00-0068	EA	12' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,655.95	626.68
		For Aluminum, Mill Finish, Add	*159.90*	
		For Aluminum, Anodized Finish, Add	*447.43*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*70.13*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*308.57*	
08 36 13 00-0069	EA	12' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,112.64	744.18
		For Aluminum, Mill Finish, Add	*185.17*	
		For Aluminum, Anodized Finish, Add	*518.15*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*81.21*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*357.34*	
08 36 13 00-0070	EA	12' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,777.16	900.84
		For Aluminum, Mill Finish, Add	*225.20*	
		For Aluminum, Anodized Finish, Add	*630.18*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*98.77*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*434.61*	
08 36 13 00-0071	EA	14' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,088.04	509.17
		For Aluminum, Mill Finish, Add	*121.95*	
		For Aluminum, Anodized Finish, Add	*341.23*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*53.49*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*235.33*	
08 36 13 00-0072	EA	14' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,586.44	626.68
		For Aluminum, Mill Finish, Add	*151.97*	
		For Aluminum, Anodized Finish, Add	*425.26*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*66.65*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*293.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0073	EA	14' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,159.52	783.34
		For Aluminum, Mill Finish, Add	*181.58*	
		For Aluminum, Anodized Finish, Add	*508.11*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*79.64*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*350.42*	
08 36 13 00-0074	EA	14' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,709.84	900.84
		For Aluminum, Mill Finish, Add	*217.53*	
		For Aluminum, Anodized Finish, Add	*608.70*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*95.41*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*419.80*	
08 36 13 00-0075	EA	14' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,248.49	1,018.35
		For Aluminum, Mill Finish, Add	*252.15*	
		For Aluminum, Anodized Finish, Add	*705.56*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*110.59*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*486.60*	
08 36 13 00-0076	EA	16' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,511.08	626.68
		For Aluminum, Mill Finish, Add	*143.38*	
		For Aluminum, Anodized Finish, Add	*401.22*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*62.89*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*276.70*	
08 36 13 00-0077	EA	16' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,218.05	783.34
		For Aluminum, Mill Finish, Add	*188.26*	
		For Aluminum, Anodized Finish, Add	*526.78*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*82.57*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*363.30*	
08 36 13 00-0078	EA	16' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,749.36	900.84
		For Aluminum, Mill Finish, Add	*222.04*	
		For Aluminum, Anodized Finish, Add	*621.31*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*97.38*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*428.49*	
08 36 13 00-0079	EA	16' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,283.61	1,018.35
		For Aluminum, Mill Finish, Add	*256.15*	
		For Aluminum, Anodized Finish, Add	*716.77*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*112.35*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*494.32*	
08 36 13 00-0080	EA	16' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,047.66	1,175.01
		For Aluminum, Mill Finish, Add	*307.53*	
		For Aluminum, Anodized Finish, Add	*860.54*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*134.88*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*593.48*	
08 36 13 00-0081	EA	18' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,934.16	783.34
		For Aluminum, Mill Finish, Add	*155.89*	
		For Aluminum, Anodized Finish, Add	*436.22*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*68.37*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*300.84*	
08 36 13 00-0082	EA	18' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,593.51	900.84
		For Aluminum, Mill Finish, Add	*204.27*	
		For Aluminum, Anodized Finish, Add	*571.59*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*89.59*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*394.20*	
08 36 13 00-0083	EA	18' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,154.83	1,018.35
		For Aluminum, Mill Finish, Add	*241.47*	
		For Aluminum, Anodized Finish, Add	*675.69*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*105.91*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*465.99*	
08 36 13 00-0084	EA	18' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,122.28	1,175.01
		For Aluminum, Mill Finish, Add	*316.04*	
		For Aluminum, Anodized Finish, Add	*884.34*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*138.61*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*609.89*	
08 36 13 00-0085	EA	18' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,639.75	1,331.68
		For Aluminum, Mill Finish, Add	*339.31*	
		For Aluminum, Anodized Finish, Add	*949.46*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*148.82*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*654.80*	
08 36 13 00-0086	EA	20' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,579.61	900.84
		For Aluminum, Mill Finish, Add	*202.68*	
		For Aluminum, Anodized Finish, Add	*567.16*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*88.90*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*391.14*	
08 36 13 00-0087	EA	20' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,187.04	1,018.35
		For Aluminum, Mill Finish, Add	*245.14*	
		For Aluminum, Anodized Finish, Add	*685.96*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*107.52*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*473.08*	
08 36 13 00-0088	EA	20' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,272.27	1,175.01
		For Aluminum, Mill Finish, Add	*333.13*	
		For Aluminum, Anodized Finish, Add	*932.19*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*146.11*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*642.89*	
08 36 13 00-0089	EA	20' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,773.64	1,331.68
		For Aluminum, Mill Finish, Add	*354.57*	
		For Aluminum, Anodized Finish, Add	*992.17*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*155.51*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*684.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0090	EA	20' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,670.12	1,488.35
		For Aluminum, Mill Finish, Add	*421.05*	
		For Aluminum, Anodized Finish, Add	*1,178.19*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*184.67*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*812.55*	
08 36 13 00-0091	EA	22' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,946.32	1,018.35
		For Aluminum, Mill Finish, Add	*217.70*	
		For Aluminum, Anodized Finish, Add	*609.17*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*95.48*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*420.12*	
08 36 13 00-0092	EA	22' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,825.97	1,175.01
		For Aluminum, Mill Finish, Add	*282.26*	
		For Aluminum, Anodized Finish, Add	*789.82*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*123.80*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*544.70*	
08 36 13 00-0093	EA	22' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,693.17	1,331.68
		For Aluminum, Mill Finish, Add	*345.40*	
		For Aluminum, Anodized Finish, Add	*966.50*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*151.49*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*666.55*	
08 36 13 00-0094	EA	22' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,392.83	1,488.35
		For Aluminum, Mill Finish, Add	*389.44*	
		For Aluminum, Anodized Finish, Add	*1,089.74*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*170.81*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*751.54*	
08 36 13 00-0095	EA	22' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,259.99	1,645.02
		For Aluminum, Mill Finish, Add	*452.58*	
		For Aluminum, Anodized Finish, Add	*1,266.42*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*198.50*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*873.39*	
08 36 13 00-0096	EA	24' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,421.36	1,175.01
		For Aluminum, Mill Finish, Add	*236.13*	
		For Aluminum, Anodized Finish, Add	*660.75*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*103.57*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*455.69*	
08 36 13 00-0097	EA	24' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,382.22	1,331.68
		For Aluminum, Mill Finish, Add	*309.95*	
		For Aluminum, Anodized Finish, Add	*867.31*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*135.94*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*598.14*	
08 36 13 00-0098	EA	24' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,207.73	1,488.35
		For Aluminum, Mill Finish, Add	*368.33*	
		For Aluminum, Anodized Finish, Add	*1,030.69*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*161.55*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*710.82*	
08 36 13 00-0099	EA	24' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,076.35	1,645.02
		For Aluminum, Mill Finish, Add	*431.64*	
		For Aluminum, Anodized Finish, Add	*1,207.84*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*189.32*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*832.99*	
08 36 13 00-0100	EA	24' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,932.57	1,801.69
		For Aluminum, Mill Finish, Add	*493.53*	
		For Aluminum, Anodized Finish, Add	*1,381.01*	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	*216.46*	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	*952.42*	

08 36 13 00-0101 Residential Grade, Galvanized Steel Sectional Overhead Doors *(08 36 13 00-0013)*

Note: Includes track and hardware. Excludes frame.

08 36 13 00-0102	EA	9' x 7', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift	941.57	156.66
		For Aluminum And Fiberglass, Add	*170.47*	
		For Each Glass Vision Panel In Door, Add	*27.00*	
		For Insulated Door, Add	*291.45*	
08 36 13 00-0103	EA	9' x 8', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift	1,040.26	156.66
		For Aluminum And Fiberglass, Add	*201.06*	
		For Each Glass Vision Panel In Door, Add	*27.00*	
		For Insulated Door, Add	*343.75*	
08 36 13 00-0104	EA	16' x 7', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift	1,356.52	179.23
		For Aluminum And Fiberglass, Add	*281.91*	
		For Each Glass Vision Panel In Door, Add	*27.00*	
		For Insulated Door, Add	*481.98*	
08 36 13 00-0105	EA	16' x 8', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift	1,511.59	179.23
		For Aluminum And Fiberglass, Add	*329.99*	
		For Each Glass Vision Panel In Door, Add	*27.00*	
		For Insulated Door, Add	*564.17*	

08 36 13 00-0106 Remove And Reinstall Sectional Metal Overhead Doors And Supports *(08 36 13 00-0013)*

Note: Includes storage, cleaning and supply materials.

08 36 13 00-0107	SF	Remove And Reinstall Sectional Metal Overhead Door And Supports	11.12	

08 36 13 00-0108 Sectional Fiberglass Overhead Doors *(08 36 13)*

08 36 13 00-0109 Fiberglass Sectional Overhead Doors *(08 36 13 00-0108)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0110		**Non-Insulated, Fiberglass Sectional Doors** *(08 36 13 00-0109)* Note: Includes 2" door, tracks and hardware. Excludes frame.		
08 36 13 00-0111	EA	8' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift	1,434.70	274.17
08 36 13 00-0112	EA	8' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift	1,695.19	313.34
08 36 13 00-0113	EA	8' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift	2,019.49	391.67
08 36 13 00-0114	EA	10' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift	1,677.70	313.34
08 36 13 00-0115	EA	10' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift	1,987.74	352.51
08 36 13 00-0116	EA	10' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift	2,511.23	489.59
08 36 13 00-0117	EA	10' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift	3,037.19	626.68
08 36 13 00-0118	EA	12' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift	1,994.71	391.67
08 36 13 00-0119	EA	12' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift	2,501.03	489.59
08 36 13 00-0120	EA	12' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift	3,001.30	587.51
08 36 13 00-0121	EA	12' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift	3,696.42	783.34
08 36 13 00-0122	EA	12' x 16', Non Insulated, Fiberglass Sectional Door, Manual Lift	4,316.73	940.01
08 36 13 00-0123	EA	14' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift	2,468.21	548.34
08 36 13 00-0124	EA	14' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift	2,975.96	626.68
08 36 13 00-0125	EA	14' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift	3,643.94	783.34
08 36 13 00-0126	EA	14' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift	4,310.90	940.01
08 36 13 00-0127	EA	14' x 16', Non Insulated, Fiberglass Sectional Door, Manual Lift	4,822.87	1,018.35
08 36 13 00-0128	EA	16' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift	2,805.41	626.68
08 36 13 00-0129	EA	16' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift	3,347.21	705.01
08 36 13 00-0130	EA	16' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift	4,054.79	861.68
08 36 13 00-0131	EA	16' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift	4,754.36	1,018.35
08 36 13 00-0132	EA	16' x 16', Non Insulated, Fiberglass Sectional Door, Manual Lift	5,297.95	1,096.68
08 36 13 00-0133		**Insulated, Fiberglass Sectional Doors** *(08 36 13 00-0109)* Note: Includes 2" door with polystyrene insulation, tracks and hardware. Excludes frame.		
08 36 13 00-0134	EA	8' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	1,727.18	274.17
08 36 13 00-0135	EA	8' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	2,047.80	313.34
08 36 13 00-0136	EA	8' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	2,427.41	391.67
08 36 13 00-0137	EA	10' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	2,024.53	313.34
08 36 13 00-0138	EA	10' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	2,411.07	352.51
08 36 13 00-0139	EA	10' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	3,016.81	489.59
08 36 13 00-0140	EA	10' x 14', Insulated, Fiberglass Sectional Door, Manual Lift	3,625.99	626.68
08 36 13 00-0141	EA	12' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	2,394.46	391.67
08 36 13 00-0142	EA	12' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	3,003.24	489.59
08 36 13 00-0143	EA	12' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	3,604.06	587.51
08 36 13 00-0144	EA	12' x 14', Insulated, Fiberglass Sectional Door, Manual Lift	4,399.23	783.34
08 36 13 00-0145	EA	12' x 16', Insulated, Fiberglass Sectional Door, Manual Lift	5,121.04	940.01
08 36 13 00-0146	EA	14' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	2,920.88	548.34
08 36 13 00-0147	EA	14' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	3,544.56	626.68
08 36 13 00-0148	EA	14' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	4,329.43	783.34
08 36 13 00-0149	EA	14' x 14', Insulated, Fiberglass Sectional Door, Manual Lift	5,113.28	940.01
08 36 13 00-0150	EA	14' x 16', Insulated, Fiberglass Sectional Door, Manual Lift	5,742.63	1,018.35
08 36 13 00-0151	EA	16' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	3,317.73	626.68
08 36 13 00-0152	EA	16' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	3,986.52	705.01
08 36 13 00-0153	EA	16' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	4,823.99	861.68
08 36 13 00-0154	EA	16' x 14', Insulated, Fiberglass Sectional Door, Manual Lift	5,651.51	1,018.35
08 36 13 00-0155	EA	16' x 16', Insulated, Fiberglass Sectional Door, Manual Lift	6,322.59	1,096.68
08 36 13 00-0156		**Sectional Overhead Door Accessories** *(08 36 13)*		
08 36 13 00-0157		**Sectional Overhead Door Accessories** *(08 36 13 00-0156)* See CSI section 08 33 26 00-0052 for safety edge bottom bar.		
08 36 13 00-0158	LF	Flap Seal For Sectional Overhead Doors	2.58	
08 36 13 00-0159	LF	Weather Seal At Top Of Door For Sectional Overhead Doors	3.60	
08 36 13 00-0160	LF	Astragal Only, Weather Strip At Bottom Of Door For Sectional Overhead Doors	2.22	
08 36 13 00-0161	EA	Cylinder Lock For Sectional Overhead Doors	199.71	
08 36 13 00-0162	EA	Manual Chain Hoist For Sectional Overhead Doors	395.07	
08 36 13 00-0163	EA	Electric Chain Lift Operator For Sectional Overhead Doors. Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	1,248.10	
08 36 13 00-0164	EA	1/2 HP Trolley Operator For Sectional Overhead Doors. Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	724.35	
08 36 13 00-0165	SF	Up To 2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing For Sectional Overhead Doors. Note: Additional cost for factory supplied.	18.99	
08 36 13 00-0166	SF	>2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing For Sectional Overhead Doors. Note: Additional cost for factory supplied.	11.85	
08 36 13 00-0167	SF	Up To 2 SF Per Window 1/8" Plexiglass Glazing For Sectional Overhead Doors. Note: Additional cost for factory supplied.	19.86	
08 36 13 00-0168	SF	>2 SF Per Window 1/8" Plexiglass Glazing For Sectional Overhead Doors. Note: Additional cost for factory supplied.	13.54	
08 36 13 00-0169	SF	Up To 2 SF Per Window 3/4" Insulated Glazing For Sectional Overhead Doors. Note: Additional cost for factory supplied.	31.95	
08 36 13 00-0170	SF	>2 SF Per Window 3/4" Insulated Glazing For Sectional Overhead Doors. Note: Additional cost for factory supplied.	21.56	
08 36 13 00-0171	EA	Vertical Lift Track For Sectional Overhead Doors Up To 12' High Door. Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.	322.80	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0172	EA	Vertical Lift Track For Sectional Overhead Doors >12' To 16' High Door	500.49	
		Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.		
08 36 13 00-0173	EA	Vertical Lift Track For Sectional Overhead Doors >16' To 20' High Door	755.87	
		Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.		
08 36 13 00-0174	SF	25,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors	0.80	
		Note: Additional cost for factory supplied/installed spring. Per SF of Door.		
08 36 13 00-0175	SF	50,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors	1.03	
		Note: Additional cost for factory supplied/installed spring. Per SF of Door.		
08 36 13 00-0176	SF	100,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors	1.36	
		Note: Additional cost for factory supplied/installed spring. Per SF of Door.		

08 38 Traffic Doors *(08 30)*

08 38 13 Flexible Strip Doors *(08 38)*

08 38 13 00-0001 Clear Polyvinyl Chloride (PVC) Strip Doors *(08 38 13)*

08 38 13 00-0002	SF	8" Smooth Strip, 0.080" Thick, 50% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door	7.84	3.92
		For Cooler/Freezer Doors, USDA Grade, Add	*0.39*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*0.82*	
08 38 13 00-0003	SF	8" Smooth Strip, 0.080" Thick, 100% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door	9.84	4.31
		For Cooler/Freezer Doors, USDA Grade, Add	*0.55*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*1.16*	
08 38 13 00-0004	SF	12" Smooth Strip, 0.120" Thick, 66% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door	8.86	3.92
		For Cooler/Freezer Doors, USDA Grade, Add	*0.49*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*1.04*	
08 38 13 00-0005	SF	12" Smooth Strip, 0.120" Thick, 100% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door	10.51	4.31
		For Cooler/Freezer Doors, USDA Grade, Add	*0.62*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*1.30*	
08 38 13 00-0006	SF	16" Smooth Strip, 0.160" Thick, 75% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door	10.20	3.92
		For Cooler/Freezer Doors, USDA Grade, Add	*0.63*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*1.32*	

08 38 13 00-0007 Clear Polyvinyl Chloride (PVC) Replacement Strips *(08 38 13)*

08 38 13 00-0008	EA	8" Smooth Strip, 0.080" Thick, 7' Long, Replacement Strip	20.37	7.83
		For Cooler/Freezer Doors, USDA Grade, Add	*1.25*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*2.63*	
08 38 13 00-0009	EA	8" Smooth Strip, 0.080" Thick, 8' Long, Replacement Strip	22.25	7.83
		For Cooler/Freezer Doors, USDA Grade, Add	*1.44*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*3.03*	
08 38 13 00-0010	EA	12" Smooth Strip, 0.120" Thick, 8' Long, Replacement Strip	40.53	7.83
		For Cooler/Freezer Doors, USDA Grade, Add	*3.27*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*6.87*	
08 38 13 00-0011	EA	12" Smooth Strip, 0.120" Thick, 10' Long, Replacement Strip	48.46	7.83
		For Cooler/Freezer Doors, USDA Grade, Add	*4.06*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*8.53*	
08 38 13 00-0012	EA	12" Smooth Strip, 0.120" Thick, 12' Long, Replacement Strip	56.67	7.83
		For Cooler/Freezer Doors, USDA Grade, Add	*4.88*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*10.26*	
08 38 13 00-0013	EA	16" Smooth Strip, 0.160" Thick, 15' Long, Replacement Strip	92.43	7.83
		For Cooler/Freezer Doors, USDA Grade, Add	*8.46*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*17.77*	

08 38 16 Flexible Traffic Doors *(08 38)*

Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.

08 38 16 00-0001 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (TMI Mega-Pro) *(08 38 16)*

08 38 16 00-0002 Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors *(08 38 16 00-0001)*

08 38 16 00-0003 Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors *(08 38 16 00-0002)*

08 38 16 00-0004	EA	72" x 84" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	1,348.43	78.33
08 38 16 00-0005	EA	72" x 96" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	1,450.87	78.33
08 38 16 00-0006	EA	96" x 96" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	2,944.02	90.08
08 38 16 00-0007	EA	96" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	3,300.42	97.92
08 38 16 00-0008	EA	108" x 108" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	5,073.30	97.92
08 38 16 00-0009	EA	108" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	5,302.64	97.92
08 38 16 00-0010	EA	120" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	5,910.95	117.50

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 16 00-0011		Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors *(08 38 16 00-0002)*		
08 38 16 00-0012	EA	72" x 84" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	1,491.04	78.33
08 38 16 00-0013	EA	72" x 96" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	1,605.13	78.33
08 38 16 00-0014	EA	96" x 96" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	3,469.34	90.08
08 38 16 00-0015	EA	96" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	3,823.41	97.92
08 38 16 00-0016	EA	108" x 108" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	5,673.09	97.92
08 38 16 00-0017	EA	108" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	5,906.38	97.92
08 38 16 00-0018	EA	120" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	6,582.63	117.50
08 38 16 00-0019		0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (Eliason FMP) *(08 38 16)*		
		Note: Includes pebble embossed finish and a 14" x 16" vinyl window.		
08 38 16 00-0020		Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0019)*		
08 38 16 00-0021		84" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0020)*		
08 38 16 00-0022	EA	24" To 36" Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	679.65	43.08
08 38 16 00-0023	EA	40" To 44" Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	729.64	43.08
08 38 16 00-0024		96" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0020)*		
08 38 16 00-0025	EA	24" To 36" Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	729.64	43.08
08 38 16 00-0026	EA	40" To 44" Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	743.74	43.08
08 38 16 00-0027		Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0019)*		
08 38 16 00-0028		84" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0027)*		
08 38 16 00-0029	EA	48" To 72" Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	1,335.78	74.42
08 38 16 00-0030	EA	80" To 88" Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	1,435.77	74.42
08 38 16 00-0031		96" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0027)*		
08 38 16 00-0032	EA	48" To 72" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	1,435.77	74.42
08 38 16 00-0033	EA	80" To 88" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	1,463.97	74.42
08 38 19		**Rigid Traffic Doors** *(08 38)*		
		Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.		
08 38 19 00-0001		0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (Eliason LWP-3) *(08 38 19)*		
		Note: Includes delta formed vertical edges and a 9" x 14" acrylic window.		
08 38 19 00-0002		Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0001)*		
08 38 19 00-0003		84" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0002)*		
08 38 19 00-0004	EA	24" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	352.78	43.08
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0005	EA	28" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	375.85	43.08
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0006	EA	30" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	388.75	45.05
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0007	EA	32" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	402.85	45.05
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0008	EA	36" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	420.89	47.00
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0009	EA	40" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	451.65	47.00
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0010	EA	42" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	472.34	52.88
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0011		96" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0002)*		
08 38 19 00-0012	EA	24" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	392.52	43.08
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0013	EA	28" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	410.46	43.08
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0014	EA	30" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	424.64	45.05
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0015	EA	32" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	434.89	45.05
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0016	EA	36" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	473.44	47.00
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0017	EA	40" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	481.13	47.00
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0018	EA	42" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	500.54	52.88
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0019		Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0001)*		
08 38 19 00-0020		84" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0019)*		
08 38 19 00-0021	EA	48" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	682.05	74.42
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0022	EA	56" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	728.20	74.42
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0023	EA	60" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	746.14	74.42
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0024	EA	64" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	774.34	74.42
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0025	EA	72" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	810.39	78.33
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0026	EA	80" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	871.92	78.33
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0027	EA	84" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	889.87	78.33
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0028		96" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0019)*		
08 38 19 00-0029	EA	48" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	761.52	74.42
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0030	EA	56" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	797.42	74.42
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0031	EA	60" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	817.93	74.42
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0032	EA	64" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	838.43	74.42
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0033	EA	72" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	915.50	78.33
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0034	EA	80" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	930.89	78.33
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0035	EA	84" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	946.27	78.33
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0036		3/4" Thick, Polymer Cell Core Impact Traffic Doors (Eliason P-11 Plus) *(08 38 19)*		
		Note: Includes 0.125" thick thermoplastic exterior finish, 14 gauge back channel and a 14" x 16" acrylic window.		
08 38 19 00-0037		Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0036)*		
08 38 19 00-0038		84" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0037)*		
08 38 19 00-0039	EA	24" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	588.64	43.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0040	EA	28" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	648.88	43.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0041	EA	30" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	677.16	45.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0042	EA	32" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	702.79	45.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0043	EA	36" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	714.43	47.00
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0044	EA	40" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	766.98	47.00
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0045	EA	42" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	826.13	52.88
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0046	EA	44" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	835.10	52.88
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0047		96" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0037)*		
08 38 19 00-0048	EA	24" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	639.91	43.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0049	EA	28" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	702.72	43.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0050	EA	30" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	731.00	45.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0051	EA	32" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	763.04	45.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0052	EA	36" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	790.05	47.00
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0053	EA	40" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	841.33	47.00
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0054	EA	42" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	873.56	52.88
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0055	EA	44" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	905.60	52.88
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0056		Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0036)*		
08 38 19 00-0057		84" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0056)*		
08 38 19 00-0058	EA	48" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,153.76	74.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0059	EA	56" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,274.26	74.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0060	EA	60" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,322.97	74.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0061	EA	64" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,374.24	74.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0062	EA	72" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,397.47	78.33
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0063	EA	80" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,502.58	78.33
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0064	EA	84" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,597.44	78.33
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0065	EA	88" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,615.38	78.33
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0066		96" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0056)*		
08 38 19 00-0067	EA	48" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,256.31	74.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0068	EA	56" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,381.93	74.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0069	EA	60" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,430.64	74.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0070	EA	64" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,494.73	74.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0071	EA	72" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,548.73	78.33
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0072	EA	80" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,651.27	78.33
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0073	EA	84" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,692.29	78.33
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0074	EA	88" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,756.38	78.33
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0075 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (Eliason PMP-2) *(08 38 19)*

Note: Includes textured finish, 16 gauge back channel and a 14" x 16" window.

08 38 19 00-0076 Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0075)*

08 38 19 00-0077 84" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0076)*

08 38 19 00-0078	EA	24" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	619.40	43.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0079	EA	28" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	696.31	43.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0080	EA	30" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	720.74	45.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0081	EA	32" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	728.43	45.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0082	EA	36" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	740.06	47.00
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0083	EA	40" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	811.84	47.00
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0084	EA	42" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	882.53	52.88
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0085	EA	44" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	891.50	52.88
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0086 96" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0076)*

08 38 19 00-0087	EA	24" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	636.07	43.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0088	EA	28" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	730.92	43.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0089	EA	30" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	756.63	45.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0090	EA	32" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	766.89	45.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0091	EA	36" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	773.39	47.00
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0092	EA	40" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	825.94	47.00
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0093	EA	42" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	895.35	52.88
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0094	EA	44" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	905.60	52.88
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0095 Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0075)*

08 38 19 00-0096 84" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0095)*

08 38 19 00-0097	EA	48" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,215.29	74.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0098	EA	56" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,369.11	74.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0099	EA	60" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,410.13	74.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0100	EA	64" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,425.51	74.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0101	EA	72" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,448.74	78.33
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0102	EA	80" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,592.31	78.33
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0103	EA	84" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,710.24	78.33
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0104	EA	88" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,728.18	78.33
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0105 96" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0095)*

08 38 19 00-0106	EA	48" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,248.62	74.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0107	EA	56" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,438.33	74.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0108	EA	60" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,481.91	74.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0109	EA	64" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,502.42	74.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0110	EA	72" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,515.40	78.33
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0111	EA	80" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,620.51	78.33
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0112	EA	84" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,735.87	78.33
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0113	EA	88" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,756.38	78.33
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0114 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors (Eliason SCP-2) *(08 38 19)*

Note: Includes 0.032" tempered aluminum alloy top panel, 48" high 16 gauge stainless steel front and galvanized back base plate, 14 gauge galvanized steel back channel and a 9" x 14" window.

08 38 19 00-0115 Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0114)*

08 38 19 00-0116 84" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0115)*

08 38 19 00-0117	EA	24" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	773.22	43.08
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0118	EA	28" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	841.16	43.08
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0119	EA	30" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	863.02	45.05
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0120	EA	32" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	879.69	45.05
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0121	EA	36" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	911.83	47.00
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0122	EA	40" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	943.87	47.00
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0123	EA	42" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	981.23	52.88
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0124	EA	44" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,003.02	52.88
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0125		96" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0115)*		
08 38 19 00-0126	EA	24" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	830.90	43.08
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0127	EA	28" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	902.69	43.08
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0128	EA	30" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	925.83	45.05
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0129	EA	32" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	934.81	45.05
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0130	EA	36" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	964.38	47.00
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0131	EA	40" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,006.68	47.00
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0132	EA	42" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,038.91	52.88
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0133	EA	44" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,060.70	52.88
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0134		Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0114)*		
08 38 19 00-0135		84" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0134)*		
08 38 19 00-0136	EA	48" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,522.93	74.42
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0137	EA	56" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,658.81	74.42
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0138	EA	60" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,694.70	74.42
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0139	EA	64" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,728.02	74.42
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0140	EA	72" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,792.28	78.33
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0141	EA	80" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,856.37	78.33
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0142	EA	84" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,907.64	78.33
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0143	EA	88" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,951.22	78.33
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0144		96" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0134)*		
08 38 19 00-0145	EA	48" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,638.30	74.42
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0146	EA	56" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,781.86	74.42
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0147	EA	60" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,820.32	74.42
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0148	EA	64" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,838.26	74.42
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0149	EA	72" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,897.39	78.33
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0150	EA	80" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,981.99	78.33
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0151	EA	84" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	2,023.00	78.33
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0152	EA	88" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	2,066.59	78.33
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0153		1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (Eliason HCP-10) *(08 38 19)*		
		Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window and 18" high easy spring bumpers.		
08 38 19 00-0154		Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0153)*		
08 38 19 00-0155		84" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0154)*		
08 38 19 00-0156	EA	24" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	760.40	43.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0157	EA	28" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	797.58	43.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0158	EA	30" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	834.82	45.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0159	EA	32" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	856.61	45.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0160	EA	36" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	914.39	47.00
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0161	EA	40" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	957.97	47.00
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0162	EA	42" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,004.30	52.88
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0163	EA	44" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,045.32	52.88
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0164		90" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0154)*		
08 38 19 00-0165	EA	24" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	786.04	43.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0166	EA	28" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	830.90	43.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0167	EA	30" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	856.61	45.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0168	EA	32" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	887.38	45.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0169	EA	36" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	949.00	47.00
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0170	EA	40" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,001.56	47.00
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0171	EA	42" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,045.32	52.88
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0172	EA	44" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,083.78	52.88
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0173		96" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0154)*		
08 38 19 00-0174	EA	24" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	851.41	43.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0175	EA	28" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	860.39	43.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0176	EA	30" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	901.48	45.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0177	EA	32" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	929.68	45.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0178	EA	36" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	992.58	47.00
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0179	EA	40" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,055.39	47.00
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0180	EA	42" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,096.59	52.88
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0181	EA	44" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,135.05	52.88
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0182		Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0153)*		
08 38 19 00-0183		84" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0182)*		
08 38 19 00-0184	EA	48" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,497.30	74.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0185	EA	56" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,571.64	74.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0186	EA	60" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,638.30	74.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0187	EA	64" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,681.88	74.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0188	EA	72" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,797.40	78.33
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0189	EA	80" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,884.57	78.33
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0190	EA	84" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,953.79	78.33
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0191	EA	88" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	2,035.82	78.33
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0192		90" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0182)*		
08 38 19 00-0193	EA	48" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,548.57	74.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0194	EA	56" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,638.30	74.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0195	EA	60" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,681.88	74.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0196	EA	64" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,743.41	74.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0197	EA	72" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,866.62	78.33
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0198	EA	80" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,971.73	78.33
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0199	EA	84" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	2,035.82	78.33
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0200	EA	88" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	2,112.73	78.33
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0201		96" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0182)*		
08 38 19 00-0202	EA	48" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,679.31	74.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0203	EA	56" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,697.26	74.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0204	EA	60" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,771.61	74.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0205	EA	64" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,828.01	74.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0206	EA	72" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,953.79	78.33
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0207	EA	80" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	2,079.40	78.33
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0208	EA	84" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	2,138.37	78.33
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0209	EA	88" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	2,215.28	78.33
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0210		1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (Eliason HFG-10) *(08 38 19)*		
		Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window, 18" high easy spring bumpers, and perimeter gasketing.		
08 38 19 00-0211		Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0210)*		
08 38 19 00-0212		84" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0211)*		
08 38 19 00-0213	EA	24" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	760.40	43.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0214	EA	28" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	797.58	43.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0215	EA	30" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	834.82	45.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0216	EA	32" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	856.61	45.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0217	EA	36" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	914.39	47.00
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0218	EA	40" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	957.97	47.00
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0219	EA	42" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,004.30	52.88
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0220	EA	44" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,045.32	52.88
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0221		90" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0211)*		
08 38 19 00-0222	EA	24" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	786.04	43.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0223	EA	28" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	830.90	43.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0224	EA	30" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	856.61	45.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0225	EA	32" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	887.38	45.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0226	EA	36" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	949.00	47.00
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0227	EA	40" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,001.56	47.00
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0228	EA	42" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,045.32	52.88
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0229	EA	44" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,083.78	52.88
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0230		96" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0211)*		
08 38 19 00-0231	EA	24" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	851.41	43.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0232	EA	28" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	860.39	43.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0233	EA	30" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	901.48	45.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0234	EA	32" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	929.68	45.05
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0235	EA	36" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	992.58	47.00
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0236	EA	40" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,055.39	47.00
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0237	EA	42" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,096.59	52.88
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0238	EA	44" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,135.05	52.88
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0239		Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0210)*		
08 38 19 00-0240		84" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0239)*		
08 38 19 00-0241	EA	48" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,497.30	74.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0242	EA	56" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,571.64	74.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0243	EA	60" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,638.30	74.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0244	EA	64" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,681.88	74.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0245	EA	72" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,797.40	78.33
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0246	EA	80" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,884.57	78.33
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0247	EA	84" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,953.79	78.33
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0248	EA	88" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	2,035.82	78.33
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0249 90" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0239)*

08 38 19 00-0250	EA	48" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,548.57	74.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0251	EA	56" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,638.30	74.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0252	EA	60" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,681.88	74.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0253	EA	64" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,743.41	74.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0254	EA	72" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,866.62	78.33
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0255	EA	80" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,971.73	78.33
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0256	EA	84" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	2,035.82	78.33
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0257	EA	88" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	2,112.73	78.33
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0258 96" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0239)*

08 38 19 00-0259	EA	48" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,679.31	74.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0260	EA	56" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,697.26	74.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0261	EA	60" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,771.61	74.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0262	EA	64" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,828.01	74.42
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0263	EA	72" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,953.79	78.33
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0264	EA	80" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	2,079.40	78.33
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0265	EA	84" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	2,138.37	78.33
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0266	EA	88" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	2,215.28	78.33
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0267 Rigid Impact Traffic Door Accessories *(08 38 19)*

08 38 19 00-0268 Bumper Strips For Impact Traffic Doors *(08 38 19 00-0267)*

Note: Includes two bumpers per set.

08 38 19 00-0269	SET	24" Wide, Bumper Strips For Impact Traffic Doors	78.76	31.33
08 38 19 00-0270	SET	30" Wide, Bumper Strips For Impact Traffic Doors	85.17	31.33
08 38 19 00-0271	SET	36" Wide, Bumper Strips For Impact Traffic Doors	90.29	31.33
08 38 19 00-0272	SET	48" Wide, Bumper Strips For Impact Traffic Doors	99.27	31.33

08 38 19 00-0273 Easy Spring Bumpers For Impact Traffic Doors *(08 38 19 00-0267)*

Note: Includes two bumpers per set.

08 38 19 00-0274	SET	18" Height, Easy Spring Bumpers For Impact Traffic Doors	182.59	31.33
08 38 19 00-0275	SET	24" Height, Easy Spring Bumpers For Impact Traffic Doors	236.42	31.33
08 38 19 00-0276	SET	36" Height, Easy Spring Bumpers For Impact Traffic Doors	340.25	31.33
08 38 19 00-0277	SET	42" Height, Easy Spring Bumpers For Impact Traffic Doors	390.24	31.33
08 38 19 00-0278	SET	48" Height, Easy Spring Bumpers For Impact Traffic Doors	441.52	31.33

08 38 19 00-0279 Scuff Plates For Impact Traffic Doors *(08 38 19 00-0267)*

Note: Includes two 0.090" thermoplastic plates per set.

08 38 19 00-0280 12" High, Scuff Plates For Impact Traffic Doors *(08 38 19 00-0279)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0281	SET	24" Wide x 12" High, Impact Traffic Door Scuff Plates	90.29	31.33
08 38 19 00-0282	SET	30" Wide x 12" High, Impact Traffic Door Scuff Plates	95.42	31.33
08 38 19 00-0283	SET	36" Wide x 12" High, Impact Traffic Door Scuff Plates	101.83	31.33
08 38 19 00-0284	SET	42" Wide x 12" High, Impact Traffic Door Scuff Plates	110.80	31.33
08 38 19 00-0285	SET	48" Wide x 12" High, Impact Traffic Door Scuff Plates	115.93	31.33
08 38 19 00-0286		24" High, Scuff Plates For Impact Traffic Doors *(08 38 19 00-0279)*		
08 38 19 00-0287	SET	24" Wide x 24" High, Impact Traffic Door Scuff Plates	115.93	31.33
08 38 19 00-0288	SET	30" Wide x 24" High, Impact Traffic Door Scuff Plates	139.00	31.33
08 38 19 00-0289	SET	36" Wide x 24" High, Impact Traffic Door Scuff Plates	151.82	31.33
08 38 19 00-0290	SET	42" Wide x 24" High, Impact Traffic Door Scuff Plates	169.77	31.33
08 38 19 00-0291	SET	48" Wide x 24" High, Impact Traffic Door Scuff Plates	181.30	31.33
08 38 19 00-0292		30" High, Scuff Plates For Impact Traffic Doors *(08 38 19 00-0279)*		
08 38 19 00-0293	SET	24" Wide x 30" High, Impact Traffic Door Scuff Plates	139.00	31.33
08 38 19 00-0294	SET	30" Wide x 30" High, Impact Traffic Door Scuff Plates	159.51	31.33
08 38 19 00-0295	SET	36" Wide x 30" High, Impact Traffic Door Scuff Plates	174.89	31.33
08 38 19 00-0296	SET	42" Wide x 30" High, Impact Traffic Door Scuff Plates	203.10	31.33
08 38 19 00-0297	SET	48" Wide x 30" High, Impact Traffic Door Scuff Plates	222.32	31.33
08 38 19 00-0298		36" High, Scuff Plates For Impact Traffic Doors *(08 38 19 00-0279)*		
08 38 19 00-0299	SET	24" Wide x 36" High, Impact Traffic Door Scuff Plates	151.82	31.33
08 38 19 00-0300	SET	30" Wide x 36" High, Impact Traffic Door Scuff Plates	174.89	31.33
08 38 19 00-0301	SET	36" Wide x 36" High, Impact Traffic Door Scuff Plates	200.53	31.33
08 38 19 00-0302	SET	42" Wide x 36" High, Impact Traffic Door Scuff Plates	214.63	31.33
08 38 19 00-0303	SET	48" Wide x 36" High, Impact Traffic Door Scuff Plates	236.42	31.33
08 38 19 00-0304		48" High, Scuff Plates For Impact Traffic Doors *(08 38 19 00-0279)*		
08 38 19 00-0305	SET	24" Wide x 48" High, Impact Traffic Door Scuff Plates	181.30	31.33
08 38 19 00-0306	SET	30" Wide x 48" High, Impact Traffic Door Scuff Plates	222.32	31.33
08 38 19 00-0307	SET	36" Wide x 48" High, Impact Traffic Door Scuff Plates	236.42	31.33
08 38 19 00-0308	SET	42" Wide x 48" High, Impact Traffic Door Scuff Plates	263.34	31.33
08 38 19 00-0309	SET	48" Wide x 48" High, Impact Traffic Door Scuff Plates	292.82	31.33
08 38 19 00-0310		Base Plates For Impact Traffic Doors *(08 38 19 00-0267)* Note: Includes two base plates per set.		
08 38 19 00-0311		Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0310)*		
08 38 19 00-0312		12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0311)*		
08 38 19 00-0313	SET	24" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	87.73	31.33
08 38 19 00-0314	SET	30" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	92.86	31.33
08 38 19 00-0315	SET	36" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	95.42	31.33
08 38 19 00-0316	SET	42" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	106.96	31.33
08 38 19 00-0317	SET	48" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	112.09	31.33
08 38 19 00-0318		24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0311)*		
08 38 19 00-0319	SET	24" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	106.96	31.33
08 38 19 00-0320	SET	30" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	114.65	31.33
08 38 19 00-0321	SET	36" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	122.34	31.33
08 38 19 00-0322	SET	42" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	128.75	31.33
08 38 19 00-0323	SET	48" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	139.00	31.33
08 38 19 00-0324		30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0311)*		
08 38 19 00-0325	SET	24" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	119.78	31.33
08 38 19 00-0326	SET	30" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	126.19	31.33
08 38 19 00-0327	SET	36" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	141.57	31.33
08 38 19 00-0328	SET	42" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	158.23	31.33
08 38 19 00-0329	SET	48" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	165.92	31.33
08 38 19 00-0330		36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0311)*		
08 38 19 00-0331	SET	24" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	126.19	31.33
08 38 19 00-0332	SET	30" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	139.00	31.33
08 38 19 00-0333	SET	36" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	158.23	31.33
08 38 19 00-0334	SET	42" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	173.61	31.33
08 38 19 00-0335	SET	48" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	182.59	31.33
08 38 19 00-0336		48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0311)*		
08 38 19 00-0337	SET	24" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	155.67	31.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0338	SET	30" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	173.61	31.33
08 38 19 00-0339	SET	36" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	197.97	31.33
08 38 19 00-0340	SET	42" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	209.50	31.33
08 38 19 00-0341	SET	48" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	224.89	31.33
08 38 19 00-0342		Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0310)*		
08 38 19 00-0343		12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0342)*		
08 38 19 00-0344	SET	24" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	110.80	31.33
08 38 19 00-0345	SET	30" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	115.93	31.33
08 38 19 00-0346	SET	36" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	131.31	31.33
08 38 19 00-0347	SET	42" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	139.00	31.33
08 38 19 00-0348	SET	48" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	160.79	31.33
08 38 19 00-0349		24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0342)*		
08 38 19 00-0350	SET	24" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	146.69	31.33
08 38 19 00-0351	SET	30" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	169.77	31.33
08 38 19 00-0352	SET	36" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	192.84	31.33
08 38 19 00-0353	SET	42" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	221.04	31.33
08 38 19 00-0354	SET	48" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	246.68	31.33
08 38 19 00-0355		30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0342)*		
08 38 19 00-0356	SET	24" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	164.64	31.33
08 38 19 00-0357	SET	30" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	195.40	31.33
08 38 19 00-0358	SET	36" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	223.60	31.33
08 38 19 00-0359	SET	42" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	253.09	31.33
08 38 19 00-0360	SET	48" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	287.70	31.33
08 38 19 00-0361		36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0342)*		
08 38 19 00-0362	SET	24" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	187.71	31.33
08 38 19 00-0363	SET	30" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	221.04	31.33
08 38 19 00-0364	SET	36" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	259.50	31.33
08 38 19 00-0365	SET	42" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	296.67	31.33
08 38 19 00-0366	SET	48" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	328.71	31.33
08 38 19 00-0367		48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0342)*		
08 38 19 00-0368	SET	24" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	228.73	31.33
08 38 19 00-0369	SET	30" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	308.21	31.33
08 38 19 00-0370	SET	36" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	328.71	31.33
08 38 19 00-0371	SET	42" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	390.24	31.33
08 38 19 00-0372	SET	48" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	426.13	31.33
08 38 19 00-0373		One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0310)*		
08 38 19 00-0374		12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0373)*		
08 38 19 00-0375	SET	24" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	100.55	31.33
08 38 19 00-0376	SET	30" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	106.96	31.33
08 38 19 00-0377	SET	36" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	114.65	31.33
08 38 19 00-0378	SET	42" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	123.62	31.33
08 38 19 00-0379	SET	48" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	137.72	31.33
08 38 19 00-0380		24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0373)*		
08 38 19 00-0381	SET	24" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	128.75	31.33
08 38 19 00-0382	SET	30" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	144.13	31.33
08 38 19 00-0383	SET	36" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	159.51	31.33
08 38 19 00-0384	SET	42" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	176.18	31.33
08 38 19 00-0385	SET	48" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	195.40	31.33
08 38 19 00-0386		30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0373)*		
08 38 19 00-0387	SET	24" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	144.13	31.33
08 38 19 00-0388	SET	30" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	163.36	31.33
08 38 19 00-0389	SET	36" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	185.15	31.33
08 38 19 00-0390	SET	42" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	212.07	31.33
08 38 19 00-0391	SET	48" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	230.01	31.33

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0392		36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0373)*		
08 38 19 00-0393	SET	24" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	159.51	31.33
08 38 19 00-0394	SET	30" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	185.15	31.33
08 38 19 00-0395	SET	36" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	212.07	31.33
08 38 19 00-0396	SET	42" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	238.99	31.33
08 38 19 00-0397	SET	48" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	258.21	31.33
08 38 19 00-0398		48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0373)*		
08 38 19 00-0399	SET	24" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	195.40	31.33
08 38 19 00-0400	SET	30" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	235.14	31.33
08 38 19 00-0401	SET	36" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	258.21	31.33
08 38 19 00-0402	SET	42" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	304.36	31.33
08 38 19 00-0403	SET	48" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	317.18	31.33
08 38 19 00-0404		Jamb Guards For Impact Traffic Doors *(08 38 19 00-0267)*		
08 38 19 00-0405	EA	3" x 9", Jamb Guard For Impact Traffic Doors	135.31	39.17
08 38 19 00-0406	EA	5" x 18", Jamb Guard For Impact Traffic Doors	173.76	39.17
08 38 19 00-0407	EA	5" x 18", Stainless Steel Jamb Guard For Impact Traffic Doors	314.76	39.17
08 38 19 00-0408		Other Impact Traffic Door Accessories *(08 38 19 00-0267)*		
08 38 19 00-0409	EA	Push Plate For Impact Traffic Doors	40.09	19.58
08 38 19 00-0410	EA	Pull Handle For Impact Traffic Doors	49.06	19.58
08 38 19 00-0411	EA	Deadbolt Lock For Impact Traffic Doors	104.18	19.58
08 38 19 00-0412	PR	Lock Hole Reinforcements For Impact Traffic Doors	127.25	19.58
08 38 19 00-0413	PR	Padlock Brackets For Impact Traffic Doors	58.03	19.58
08 38 19 00-0414		Impact Traffic Door Knock Down Frames *(08 38 19)*		
		Note: Frames are 16 gauge galvanized steel with reinforcement at hardware locations.		
08 38 19 00-0415		Single Door, Impact Traffic Door Knock Down Frames *(08 38 19 00-0414)*		
08 38 19 00-0416		84" Height, Single Door, Impact Traffic Door Knock Down Frames *(08 38 19 00-0415)*		
08 38 19 00-0417	EA	24" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	346.45	58.75
08 38 19 00-0418	EA	28" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	401.81	64.63
08 38 19 00-0419	EA	30" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	413.99	68.55
08 38 19 00-0420	EA	32" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	429.55	74.42
08 38 19 00-0421	EA	36" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	442.29	78.33
08 38 19 00-0422	EA	40" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	461.88	82.25
08 38 19 00-0423	EA	42" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	477.59	86.17
08 38 19 00-0424	EA	44" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	489.72	90.08
08 38 19 00-0425		90" Height, Single Door, Impact Traffic Door Knock Down Frames *(08 38 19 00-0415)*		
08 38 19 00-0426	EA	24" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	352.16	58.75
08 38 19 00-0427	EA	28" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	408.61	64.63
08 38 19 00-0428	EA	30" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	420.92	68.55
08 38 19 00-0429	EA	32" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	436.57	74.42
08 38 19 00-0430	EA	36" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	449.43	78.33
08 38 19 00-0431	EA	40" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	469.32	82.25
08 38 19 00-0432	EA	42" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	485.21	86.17
08 38 19 00-0433	EA	44" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	497.46	90.08
08 38 19 00-0434		96" Height, Single Door, Impact Traffic Door Knock Down Frames *(08 38 19 00-0415)*		
08 38 19 00-0435	EA	24" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	359.77	58.75
08 38 19 00-0436	EA	28" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	417.66	64.63
08 38 19 00-0437	EA	30" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	430.11	68.55
08 38 19 00-0438	EA	32" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	443.64	74.42
08 38 19 00-0439	EA	36" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	458.92	78.33
08 38 19 00-0440	EA	40" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	476.75	82.25
08 38 19 00-0441	EA	42" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	495.35	86.17
08 38 19 00-0442	EA	44" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	508.31	88.13
08 38 19 00-0443		Double Door, Impact Traffic Door Knock Down Frames *(08 38 19 00-0414)*		
08 38 19 00-0444		84" Height, Double Door, Impact Traffic Door Knock Down Frames *(08 38 19 00-0443)*		
08 38 19 00-0445	EA	48" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	496.32	90.08
08 38 19 00-0446	EA	56" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	505.98	91.65
08 38 19 00-0447	EA	60" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	515.06	94.00
08 38 19 00-0448	EA	64" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	530.26	97.92
08 38 19 00-0449	EA	72" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	541.62	101.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0450	EA	80" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	556.52	102.62
08 38 19 00-0451	EA	84" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	567.35	103.80
08 38 19 00-0452	EA	88" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	581.10	105.75
08 38 19 00-0453		90" Height, Double Door, Impact Traffic Door Knock Down Frames *(08 38 19 00-0443)*		
08 38 19 00-0454	EA	48" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	504.22	90.08
08 38 19 00-0455	EA	56" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	513.99	91.65
08 38 19 00-0456	EA	60" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	523.24	94.00
08 38 19 00-0457	EA	64" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	538.62	97.92
08 38 19 00-0458	EA	72" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	550.08	101.83
08 38 19 00-0459	EA	80" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	565.30	102.62
08 38 19 00-0460	EA	84" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	576.35	103.80
08 38 19 00-0461	EA	88" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	590.34	105.75
08 38 19 00-0462		96" Height, Double Door, Impact Traffic Door Knock Down Frames *(08 38 19 00-0443)*		
08 38 19 00-0463	EA	48" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	513.44	90.08
08 38 19 00-0464	EA	56" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	521.99	91.65
08 38 19 00-0465	EA	60" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	534.09	94.00
08 38 19 00-0466	EA	64" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	546.97	97.92
08 38 19 00-0467	EA	72" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	561.30	101.83
08 38 19 00-0468	EA	80" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	578.24	102.62
08 38 19 00-0469	EA	84" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	588.29	103.80
08 38 19 00-0470	EA	88" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	603.05	105.75

08 40 Entrances, Storefronts, And Curtain Walls *(08)*

08 41 Entrances And Storefronts *(08 40)*

08 41 13 Aluminum-Framed Entrances And Storefronts *(08 41)*

08 41 13 00-0001 Aluminum Framed Entrance Doors *(08 41 13)*

Note: Includes frame, trim, necessary anchors, tempered glass, standard hardware (hinges, pull handle, push plate, threshold, door sweep) and prepared for panic device. Fixed doors mullion (on pairs). Excludes exit device and closer. Special-Lite. See CSI section 08 71 16 00-2087 for exit device, 08 71 16 00-2235 for closer.

08 41 13 00-0002	EA	3' x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-14)	2,526.66	568.16
		For 8' High Door, Add	*192.61*	
		For 10' High Door, Add	*418.71*	
		For 1" Insulated Glazing, Add	*39.32*	
08 41 13 00-0003	EA	3'-6" x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-14)	2,537.52	568.16
		For 8' High Door, Add	*193.86*	
		For 10' High Door, Add	*421.43*	
		For 1" Insulated Glazing, Add	*39.32*	
08 41 13 00-0004	PR	6' x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-14)	4,177.15	852.08
		For 8' High Door, Add	*333.73*	
		For 10' High Door, Add	*725.49*	
		For 1" Insulated Glazing, Add	*78.65*	
08 41 13 00-0005	PR	7' x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-14)	4,711.11	852.08
		For 8' High Door, Add	*395.13*	
		For 10' High Door, Add	*858.98*	
		For 1" Insulated Glazing, Add	*78.65*	
08 41 13 00-0006	EA	3' x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-15)	2,754.57	568.16
		For 8' High Door, Add	*218.82*	
		For 10' High Door, Add	*475.69*	
		For 1" Insulated Glazing, Add	*39.32*	
08 41 13 00-0007	EA	3'-6" x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-15)	2,779.53	568.16
		For 8' High Door, Add	*221.69*	
		For 10' High Door, Add	*481.93*	
		For 1" Insulated Glazing, Add	*39.32*	
08 41 13 00-0008	PR	6' x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-15)	4,608.01	852.08
		For 8' High Door, Add	*383.28*	
		For 10' High Door, Add	*833.21*	
		For 1" Insulated Glazing, Add	*78.65*	
08 41 13 00-0009	PR	7' x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-15)	5,129.39	852.08
		For 8' High Door, Add	*443.23*	
		For 10' High Door, Add	*963.55*	
		For 1" Insulated Glazing, Add	*78.65*	

08 42 Entrances *(08 40)*

08 42 26 All-Glass Entrances *(08 42)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 26 00-0001		**Full Glass Entrance Doors** *(08 42 26)* Note: Includes trim, necessary anchors, tempered glass, and standard hardware (hinges, handle, push plate, lock, closer). Excludes panic devices.		
08 42 26 00-0002	EA	3' x 7' x 1/2" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware	3,074.30	212.95
		For Anodized Color, Add	*400.05*	
		For Stainless Steel, Add	*1,444.61*	
		For 8' High Door, Add	*255.59*	
		For 10' High Door, Add	*555.62*	
		For 1" Insulated Glazing, Add	*39.32*	
08 42 26 00-0003	PR	6' x 7' x 1/2" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware (Per Pair 3' x 7' x 1/2")	5,413.21	255.55
		For Anodized Color, Add	*755.34*	
		For Stainless Steel, Add	*2,727.61*	
		For 8' High Door, Add	*482.58*	
		For 10' High Door, Add	*1,049.08*	
		For 1" Insulated Glazing, Add	*78.65*	
08 42 26 00-0004	EA	3' x 7' x 5/8" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware	3,474.69	212.95
		For Anodized Color, Add	*472.12*	
		For Stainless Steel, Add	*1,704.87*	
		For 8' High Door, Add	*301.63*	
		For 10' High Door, Add	*655.72*	
		For 1" Insulated Glazing, Add	*39.32*	
08 42 26 00-0005	PR	6' x 7' x 5/8" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware (Per Pair 3' x 7' x 5/8")	6,275.29	255.55
		For Anodized Color, Add	*910.51*	
		For Stainless Steel, Add	*3,287.96*	
		For 8' High Door, Add	*581.72*	
		For 10' High Door, Add	*1,264.60*	
		For 1" Insulated Glazing, Add	*78.65*	
08 42 26 00-0006	EA	3' x 7' x 3/4" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware	3,873.52	212.95
		For Anodized Color, Add	*543.91*	
		For Stainless Steel, Add	*1,964.11*	
		For 8' High Door, Add	*347.50*	
		For 10' High Door, Add	*755.43*	
		For 1" Insulated Glazing, Add	*39.32*	
08 42 26 00-0007	PR	6' x 7' x 3/4" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware (Per Pair 3' x 7' x 3/4")	7,135.95	255.55
		For Anodized Color, Add	*1,065.43*	
		For Stainless Steel, Add	*3,847.39*	
		For 8' High Door, Add	*680.69*	
		For 10' High Door, Add	*1,479.77*	
		For 1" Insulated Glazing, Add	*78.65*	
08 42 26 00-0008	EA	3' x 7' x 1" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware	4,672.71	212.95
		For Anodized Color, Add	*687.76*	
		For Stainless Steel, Add	*2,483.58*	
		For 8' High Door, Add	*439.40*	
		For 10' High Door, Add	*955.22*	
		For 1" Insulated Glazing, Add	*39.32*	
08 42 26 00-0009	PR	6' x 7' x 1" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware (Per Pair 3' x 7' x 1")	8,858.67	255.55
		For Anodized Color, Add	*1,375.52*	
		For Stainless Steel, Add	*4,967.16*	
		For 8' High Door, Add	*878.80*	
		For 10' High Door, Add	*1,910.45*	
		For 1" Insulated Glazing, Add	*78.65*	
08 42 26 00-0010		**Frames For Full Glass Doors** *(08 42 26)*		
08 42 26 00-0011	LF	Glass Entrance Door, Light Weight Aluminum Frame, 1/8" x 17" Shaped Jamb - Head	18.62	2.56
08 42 26 00-0012	LF	Glass Entrance Door, Heavy Weight Aluminum Frame, 1/8" x 17" Shaped Jamb - Head	24.25	3.40
08 42 29		**Automatic Entrances** *(08 42)*		
08 42 29 23		**Sliding Automatic Entrances** *(08 42 29)* Note: Power-operated automatic sliding doors may be used as emergency egress doors as they can "break-out" in the direction of egress. Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.		
08 42 29 23-0001		**Bronze Finished Framed Sliding Automatic Entrances** *(08 42 29 23)*		
08 42 29 23-0002		**2 Panel, Bronze Finished Framed Sliding Automatic Entrance** *(08 42 29 23-0001)* Note: Single sliding.		
08 42 29 23-0003	EA	5'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	1,362.20	85.19
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*89.39*	
		For Emergency Egress On All Panels, Add	*238.37*	
08 42 29 23-0004	EA	6'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	1,528.49	114.99
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*97.39*	
		For Emergency Egress On All Panels, Add	*259.70*	
08 42 29 23-0005	EA	7'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	1,664.67	127.77
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*105.68*	
		For Emergency Egress On All Panels, Add	*281.82*	
08 42 29 23-0006	EA	8'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	1,797.28	140.55
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*113.71*	
		For Emergency Egress On All Panels, Add	*303.24*	
08 42 29 23-0007	EA	10'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	2,351.17	170.36
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*150.78*	
		For Emergency Egress On All Panels, Add	*402.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 29 23-0008	EA	12'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	2,458.25	200.18
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*154.34*	
		For Emergency Egress On All Panels, Add	*411.58*	
08 42 29 23-0009	EA	15'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	3,259.11	229.99
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*209.93*	
		For Emergency Egress On All Panels, Add	*559.83*	
08 42 29 23-0010		4 Panel, Bronze Finished Framed Sliding Automatic Entrance *(08 42 29 23-0001)*		
		Note: Bi-parting.		
08 42 29 23-0011	EA	12'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance	2,758.38	212.95
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*174.94*	
		For Emergency Egress On All Panels, Add	*466.49*	
08 42 29 23-0012	EA	14'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance	3,024.97	234.25
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*191.74*	
		For Emergency Egress On All Panels, Add	*511.29*	
08 42 29 23-0013	EA	16'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance	3,291.57	255.55
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*208.54*	
		For Emergency Egress On All Panels, Add	*556.10*	
08 42 29 23-0014	EA	18'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance	3,956.66	276.84
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*255.22*	
		For Emergency Egress On All Panels, Add	*680.59*	
08 42 29 23-0015	EA	20'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance	4,621.75	298.06
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*301.91*	
		For Emergency Egress On All Panels, Add	*805.09*	
08 42 29 23-0016		Aluminum Finished Framed Sliding Automatic Entrances *(08 42 29 23)*		
08 42 29 23-0017		2 Panel, Aluminum Finished Framed Sliding Automatic Entrance *(08 42 29 23-0016)*		
		Note: Single sliding.		
08 42 29 23-0018	EA	5'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	1,249.91	85.19
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*80.97*	
		For Emergency Egress On All Panels, Add	*215.91*	
08 42 29 23-0019	EA	6'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	1,406.17	114.99
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*88.21*	
		For Emergency Egress On All Panels, Add	*235.24*	
08 42 29 23-0020	EA	7'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	1,529.86	127.77
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*95.57*	
		For Emergency Egress On All Panels, Add	*254.86*	
08 42 29 23-0021	EA	8'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	1,654.44	140.55
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*103.00*	
		For Emergency Egress On All Panels, Add	*274.67*	
08 42 29 23-0022	EA	10'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	2,161.78	170.36
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*136.58*	
		For Emergency Egress On All Panels, Add	*364.21*	
08 42 29 23-0023	EA	12'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	2,264.38	200.18
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*139.80*	
		For Emergency Egress On All Panels, Add	*372.80*	
08 42 29 23-0024	EA	15'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	2,995.43	229.99
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*190.16*	
		For Emergency Egress On All Panels, Add	*507.09*	
08 42 29 23-0025		4 Panel, Aluminum Finished Framed Sliding Automatic Entrance *(08 42 29 23-0016)*		
		Note: Bi-parting.		
08 42 29 23-0026	EA	12'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance	2,538.66	212.95
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*158.46*	
		For Emergency Egress On All Panels, Add	*422.55*	
08 42 29 23-0027	EA	14'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance	2,784.14	234.25
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*173.67*	
		For Emergency Egress On All Panels, Add	*463.13*	
08 42 29 23-0028	EA	16'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance	3,029.61	255.55
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*188.89*	
		For Emergency Egress On All Panels, Add	*503.70*	
08 42 29 23-0029	EA	18'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance	3,636.08	276.84
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*231.18*	
		For Emergency Egress On All Panels, Add	*616.48*	
08 42 29 23-0030	EA	20'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance	4,242.54	298.06
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*273.47*	
		For Emergency Egress On All Panels, Add	*729.25*	
08 42 29 23-0031		Stainless Steel Framed Sliding Automatic Entrances *(08 42 29 23)*		
08 42 29 23-0032		2 Panel, Stainless Steel Framed Sliding Automatic Entrance *(08 42 29 23-0031)*		
		Note: Single sliding.		
08 42 29 23-0033	EA	5'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	1,551.97	85.19
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*103.62*	
		For Emergency Egress On All Panels, Add	*276.32*	
08 42 29 23-0034	EA	6'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	1,735.26	114.99
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*112.90*	
		For Emergency Egress On All Panels, Add	*301.05*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 29 23-0035	EA	7'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	2,013.15	127.77
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*131.82*	
		For Emergency Egress On All Panels, Add	*351.52*	
08 42 29 23-0036	EA	8'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	2,306.34	140.55
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*151.89*	
		For Emergency Egress On All Panels, Add	*405.05*	
08 42 29 23-0037	EA	10'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	2,671.31	170.36
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*174.79*	
		For Emergency Egress On All Panels, Add	*466.12*	
08 42 29 23-0038	EA	12'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	2,785.93	200.18
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*178.92*	
		For Emergency Egress On All Panels, Add	*477.11*	
08 42 29 23-0039	EA	15'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	3,704.85	229.99
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*243.37*	
		For Emergency Egress On All Panels, Add	*648.97*	

08 42 29 23-0040 4 Panel, Stainless Steel Framed Sliding Automatic Entrance *(08 42 29 23-0031)*

Note: Bi-parting.

08 42 29 23-0041	EA	12'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance	3,129.80	212.95
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*202.79*	
		For Emergency Egress On All Panels, Add	*540.78*	
08 42 29 23-0042	EA	14'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance	3,432.05	234.25
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*222.27*	
		For Emergency Egress On All Panels, Add	*592.71*	
08 42 29 23-0043	EA	16'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance	3,734.30	255.55
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*241.74*	
		For Emergency Egress On All Panels, Add	*644.64*	
08 42 29 23-0044	EA	18'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance	4,498.54	276.84
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*295.86*	
		For Emergency Egress On All Panels, Add	*788.97*	
08 42 29 23-0045	EA	20'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance	5,262.76	298.14
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*349.99*	
		For Emergency Egress On All Panels, Add	*933.30*	

08 42 29 23-0046 Accessories For Sliding Automatic Entrances *(08 42 29 23)*

See CSI section 08 42 29 33-0006 for eye operators.

08 42 29 23-0047	EA	Automatic 2 Panel Sliding Door Motor, Activation Eye Or Push Button Controls Note: Includes motor for pair of sliding doors (2 panels).	3,640.90	783.34
08 42 29 23-0048	EA	Automatic 4 Panel Sliding Door Motor, Activation Eye Or Push Button Controls Note: Includes motor for pair of sliding doors (4 panel).	6,349.91	1,175.01

08 42 29 33 Swinging Automatic Entrances *(08 42 29)*

Note: Excludes glazing.

08 42 29 33-0001 Swing Door Operators, Up To 350 LB Panel Weight *(08 42 29 33)*

Note: Includes electro-mechanical swinging door operator and electrical controls, aluminum header, connecting hardware, actuating controls, and on/off/hold open switch. Excludes activation device, doors, and power connection. Stanley Magic Force or equal.

08 42 29 33-0002	EA	Concealed Single Door Swing Door Operator, Up To 350 LB Panel Note: For new storefront or existing concealed operator installations.	2,571.61	411.46
08 42 29 33-0003	EA	Concealed Pair Of Doors Swing Door Operator, Up To 350 LB Panel Note: For new storefront or existing concealed operator installations.	4,320.80	548.65
08 42 29 33-0004	EA	Exposed Single Door Swing Door Operator, Up To 350 LB Panel	2,130.15	329.17
08 42 29 33-0005	EA	Exposed Pair Of Doors Swing Door Operator, Up To 350 LB Panel	3,766.10	493.75

08 42 29 33-0006 Activation Devices For Door Operators *(08 42 29 33)*

08 42 29 33-0007	EA	Overhead Active Infrared Presence Detector For Door Operators (MS Sedco DH97) Note: Includes wiring harness and relays.	336.73	32.91
08 42 29 33-0008	EA	On Door Active Infrared Presence Detector For Door Operator (Stanley Sentrex RS) Note: Includes wiring harness and relays.	298.33	32.91
08 42 29 33-0009	EA	Microwave Motion Sensor For Door Operator (MS Sedco D38) Note: Includes wiring harness and relays.	301.39	32.91
08 42 29 33-0010	EA	Push Plate For Door Operator (MS Sedco 59 Series) Note: Excludes wiring from operator to push plate.	118.33	32.91
08 42 29 33-0011	EA	Jamb Mounted Push Button For Door Operator (MS Sedco 425 Series) Note: Excludes wiring from operator to push button.	99.57	32.91
08 42 29 33-0012	EA	Radio Control System For Door Operator (MS Sedco Clearpath) Note: Includes receiver and two push plate transmitters.	504.81	82.30
		For Single Transmitter (Includes Receiver, One Push Plate Transmitter, And One Jamb Mounted Push Button), Deduct	*-64.00*	
08 42 29 33-0013	EA	Combination Digital Camera/Motion Detector For Door Operators (Stanley StanVision) Note: Includes wiring harness and relays.	730.99	41.14
08 42 29 33-0014	EA	Guard Rail For Door With Operator	157.86	41.14

08 42 33 Revolving Door Entrances *(08 42)*

08 42 33 00-0001 Aluminum Revolving Doors *(08 42 33)*

Note: Includes 3/4" tempered glass.

08 42 33 00-0002	EA	4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware	23,539.26	4,176.74
		For Automatic Controls, Add	*7,147.23*	
		For Powder Coated, Add	*851.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 33 00-0003	EA	5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware	32,121.17	6,265.19
		For Automatic Controls, Add	*8,295.84*	
		For Powder Coated, Add	*1,069.79*	
08 42 33 00-0004	EA	6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware	47,900.63	7,518.20
		For Automatic Controls, Add	*8,985.01*	
		For Powder Coated, Add	*1,891.83*	
08 42 33 00-0005	EA	4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware	26,174.99	4,594.38
		For Automatic Controls, Add	*7,381.64*	
		For Powder Coated, Add	*953.39*	
08 42 33 00-0006	EA	5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware	35,518.26	6,891.93
		For Automatic Controls, Add	*8,609.10*	
		For Powder Coated, Add	*1,198.04*	
08 42 33 00-0007	EA	6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware	53,478.43	8,270.02
		For Automatic Controls, Add	*9,444.46*	
		For Powder Coated, Add	*2,118.65*	

08 42 33 00-0008 Stainless Steel Revolving Doors *(08 42 33)*

Note: Includes 3/4" tempered glass.

08 42 33 00-0009	EA	4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware	24,103.60	4,176.74
		For Automatic Controls, Add	*7,147.23*	
08 42 33 00-0010	EA	5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware	32,830.32	6,265.19
		For Automatic Controls, Add	*8,295.84*	
08 42 33 00-0011	EA	6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware	49,154.71	7,518.20
		For Automatic Controls, Add	*8,985.01*	
08 42 33 00-0012	EA	4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware	26,808.49	4,594.38
		For Automatic Controls, Add	*7,381.64*	
08 42 33 00-0013	EA	5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware	36,314.32	6,891.93
		For Automatic Controls, Add	*8,609.10*	
08 42 33 00-0014	EA	6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware	54,886.21	8,270.02
		For Automatic Controls, Add	*9,444.46*	

08 42 33 00-0015 Bronze Revolving Doors *(08 42 33)*

Note: Includes 3/4" tempered glass.

08 42 33 00-0016	EA	4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware	22,113.39	4,176.74
		For Automatic Controls, Add	*7,147.23*	
08 42 33 00-0017	EA	5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware	30,329.41	6,265.19
		For Automatic Controls, Add	*8,295.84*	
08 42 33 00-0018	EA	6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware	44,732.04	7,518.20
		For Automatic Controls, Add	*8,985.01*	
08 42 33 00-0019	EA	4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware	24,579.47	4,594.38
		For Automatic Controls, Add	*7,381.64*	
08 42 33 00-0020	EA	5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware	33,513.30	6,891.93
		For Automatic Controls, Add	*8,609.10*	
08 42 33 00-0021	EA	6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware	49,932.82	8,270.02
		For Automatic Controls, Add	*9,444.46*	

08 42 36 Balanced Door Entrances *(08 42)*

08 42 36 00-0001 Balanced Doors, With Glass *(08 42 36)*

Note: Includes 3/4" tempered glass, check and door guide, top pivot with bearing, torsion bar closer spring, bottom arm, semi-automatic hold open device, floor box, door roller guide, bottom pivot, top arm.

08 42 36 00-0002	EA	2'-6" x 7'-0" Balanced Door, Stainless Steel	8,304.80	235.84
		For Bronze Instead Of Stainless Steel, Deduct	*-1,928.76*	
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	*771.50*	
		For Tinted Glass, Add	*385.75*	
		For Aluminum, Painted Finish, Deduct	*-2,314.51*	
08 42 36 00-0003	EA	3'-0" x 7'-0" Balanced Door, Stainless Steel	8,618.11	235.84
		For Bronze Instead Of Stainless Steel, Deduct	*-2,007.09*	
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	*802.83*	
		For Tinted Glass, Add	*401.42*	
		For Aluminum, Painted Finish, Deduct	*-2,408.50*	
08 42 36 00-0004	EA	3'-6" x 7'-0" Balanced Door, Stainless Steel	9,379.06	235.84
		For Bronze Instead Of Stainless Steel, Deduct	*-2,197.32*	
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	*878.93*	
		For Tinted Glass, Add	*439.46*	
		For Aluminum, Painted Finish, Deduct	*-2,636.79*	
08 42 36 00-0005	EA	4'-0" x 7'-0" Balanced Door, Stainless Steel	10,274.30	235.84
		For Bronze Instead Of Stainless Steel, Deduct	*-2,421.13*	
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	*968.45*	
		For Tinted Glass, Add	*484.23*	
		For Aluminum, Painted Finish, Deduct	*-2,905.36*	
08 42 36 00-0006	PR	Pair 3'-0" x 7'-0" Balanced Door, Stainless Steel	17,177.27	448.23
		For Bronze Instead Of Stainless Steel, Deduct	*-4,014.18*	
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	*1,605.67*	
		For Tinted Glass, Add	*802.84*	
		For Aluminum, Painted Finish, Deduct	*-4,817.01*	

08 43 Storefronts *(08 40)*

08 43 13 Aluminum-Framed Storefronts *(08 43)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0001		**Aluminum Storefront Framing** *(08 43 13)* Note: Includes frames, steel reinforcement and accessories. Excludes doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing. See CSI section 08 81 26 00-0050 for insulated glazing.		
08 43 13 00-0002	SF	Aluminum Storefront Framing	15.09	4.09
		For Bronze Anodized Finish, Add	*1.34*	
		For Black Anodized Finish, Add	*2.67*	
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	*0.89*	

08 43 19 Stainless-Steel-Framed Storefronts *(08 43)*

08 43 19 00-0001		**Stainless Steel Storefront Framing** *(08 43 19)* Note: Includes frames, reinforcing and accessories. Excludes doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing. Per SF of opening area. See CSI section 08 81 26 00-0050 for insulated glazing.		
08 43 19 00-0002	SF	Stainless Steel Storefront Framing	37.84	4.26
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	*3.14*	

08 44 Curtain Wall And Glazed Assemblies *(08 40)*

08 44 13 Glazed Aluminum Curtain Walls *(08 44)*

08 44 13 00-0001		**Curtain Walls** *(08 44 13)*		
08 44 13 00-0002		**Coping Sections** *(08 44 13 00-0001)*		
08 44 13 00-0003	LF	Curtain Wall, 1/8" x 8" Coping Section Shaped (3") Aluminum System Framing Section	28.11	2.56
		For Bronze Anodized Aluminum, Add	*1.97*	
		For Stainless Steel, Add	*8.64*	
		For Black Anodized Finish, Add	*3.55*	
08 44 13 00-0004	LF	Curtain Wall, 1/8" x 9" Coping Section Shaped (4") Aluminum System Framing Section	28.81	2.56
		For Bronze Anodized Aluminum, Add	*2.08*	
		For Stainless Steel, Add	*9.06*	
		For Black Anodized Finish, Add	*3.74*	
08 44 13 00-0005	LF	Curtain Wall, 1/8" x 12-1/2" Coping Section Shaped (5-1/2") Aluminum Framing Section	35.07	3.40
		For Bronze Anodized Aluminum, Add	*2.47*	
		For Stainless Steel, Add	*10.80*	
		For Black Anodized Finish, Add	*4.44*	
08 44 13 00-0006		**Sill Section** *(08 44 13 00-0001)*		
08 44 13 00-0007	LF	Aluminum Curtain Wall, 1/8" x 6" Sill Section Shaped Aluminum System Framing Section	21.94	1.70
		For Bronze Anodized Aluminum, Add	*1.71*	
		For Stainless Steel, Add	*7.38*	
		For Black Anodized Finish, Add	*3.08*	
08 44 13 00-0008	LF	Aluminum Curtain Wall, 1/8" x 7" Sill Section Shaped Aluminum System Framing Section	23.16	1.70
		For Bronze Anodized Aluminum, Add	*1.90*	
		For Stainless Steel, Add	*8.11*	
		For Black Anodized Finish, Add	*3.41*	
08 44 13 00-0009	LF	Aluminum Curtain Wall, 1/8" x 8-1/2" Sill Section Shaped Aluminum System Framing Section	24.39	1.70
		For Bronze Anodized Aluminum, Add	*2.08*	
		For Stainless Steel, Add	*8.85*	
		For Black Anodized Finish, Add	*3.74*	
08 44 13 00-0010		**Aluminum Column Covers** *(08 44 13 00-0001)* Note: Includes all clips and fasteners.		
08 44 13 00-0011	LF	Aluminum Column Covers, 1/8" x 26", Shaped	52.75	4.26
		For Bronze Anodized Aluminum, Add	*4.31*	
		For Stainless Steel, Add	*18.45*	
		For Black Anodized Finish, Add	*7.76*	
08 44 13 00-0012	LF	Aluminum Column Covers, 1/8" x 34", Shaped	62.13	4.26
		For Bronze Anodized Aluminum, Add	*5.51*	
		For Stainless Steel, Add	*23.29*	
		For Black Anodized Finish, Add	*9.91*	
08 44 13 00-0013	LF	Aluminum Column Covers, 1/8" x 38", Shaped	65.39	4.26
		For Bronze Anodized Aluminum, Add	*5.99*	
		For Stainless Steel, Add	*25.25*	
		For Black Anodized Finish, Add	*10.79*	
08 44 13 00-0014		**Spandrel Covers** *(08 44 13 00-0001)* Note: Where exterior facing only is described in the following the interior face will be tempered hardboard (to be painted).		
08 44 13 00-0015	SF	1" Spandrel Cover, Aluminum Both Faces	19.63	1.70
		For Bronze Anodized Aluminum, Add	*1.87*	
		For Stainless Steel, Add	*7.84*	
		For Black Anodized Finish, Add	*3.37*	
08 44 13 00-0016	SF	1" Spandrel Cover, Aluminum Exterior Face	17.78	1.70
		For Bronze Anodized Aluminum, Add	*1.59*	
		For Stainless Steel, Add	*6.73*	
		For Black Anodized Finish, Add	*2.87*	
08 44 13 00-0017	SF	1" Spandrel Cover, Epoxy Both Faces	33.10	1.70
		For Bronze Anodized Aluminum, Add	*3.89*	
		For Stainless Steel, Add	*15.92*	
		For Black Anodized Finish, Add	*7.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 44 13 00-0018	SF	1" Spandrel Cover, Epoxy Exterior Face Only	27.88	1.70
		For Bronze Anodized Aluminum, Add	*3.11*	
		For Stainless Steel, Add	*12.79*	
		For Black Anodized Finish, Add	*5.59*	
08 44 13 00-0019	SF	2" Spandrel Cover, Aluminum Both Faces	22.70	1.70
		For Bronze Anodized Aluminum, Add	*2.05*	
		For Stainless Steel, Add	*8.66*	
		For Black Anodized Finish, Add	*3.69*	
08 44 13 00-0020	SF	2" Spandrel Cover, Aluminum Exterior Face	20.95	1.70
		For Bronze Anodized Aluminum, Add	*1.79*	
		For Stainless Steel, Add	*7.61*	
		For Black Anodized Finish, Add	*3.22*	
08 44 13 00-0021	SF	2" Spandrel Cover, Epoxy Both Faces	38.37	1.70
		For Bronze Anodized Aluminum, Add	*4.40*	
		For Stainless Steel, Add	*18.06*	
		For Black Anodized Finish, Add	*7.92*	
08 44 13 00-0022	SF	2" Spandrel Cover, Epoxy Exterior Face Only	32.35	1.70
		For Bronze Anodized Aluminum, Add	*3.50*	
		For Stainless Steel, Add	*14.45*	
		For Black Anodized Finish, Add	*6.30*	

08 44 13 00-0023 Curtain Wall, Aluminum System Framing Sections *(08 44 13 00-0001)*

Note: The prices are based on stock shapes of anodized aluminum, plain color and of 0.125" thickness.

08 44 13 00-0024	LF	Aluminum System Curtain Wall, 1-1/2" x 3" Jamb Aluminum Framed Window Walls	19.13	1.70
		For Bronze Anodized Aluminum, Add	*1.86*	
		For Stainless Steel, Add	*7.76*	
		For Black Anodized Finish, Add	*3.34*	
08 44 13 00-0025	LF	Aluminum System Curtain Wall, 1-1/2" x 3" Head Aluminum Framed Window Walls	19.00	1.70
		For Bronze Anodized Aluminum, Add	*1.86*	
		For Stainless Steel, Add	*7.75*	
		For Black Anodized Finish, Add	*3.34*	
08 44 13 00-0026	LF	Aluminum System Curtain Wall, 1-1/2" x 3" Mullion Aluminum Framed Window Walls	19.01	1.70
		For Bronze Anodized Aluminum, Add	*1.86*	
		For Stainless Steel, Add	*7.76*	
		For Black Anodized Finish, Add	*3.34*	
		For Corner Mullion, Add	*4.09*	
08 44 13 00-0027	LF	Aluminum System Curtain Wall, 2" x 4" Jamb Aluminum Framed Window Walls	25.02	3.40
		For Bronze Anodized Aluminum, Add	*2.22*	
		For Stainless Steel, Add	*9.39*	
		For Black Anodized Finish, Add	*3.99*	
08 44 13 00-0028	LF	Aluminum System Curtain Wall, 2" x 4" Horizontal Aluminum Framed Window Walls	25.02	3.40
		For Bronze Anodized Aluminum, Add	*2.22*	
		For Stainless Steel, Add	*9.39*	
		For Black Anodized Finish, Add	*3.99*	
08 44 13 00-0029	LF	Aluminum System Curtain Wall, 2" x 4" Mullion Aluminum Framed Window Walls	25.02	3.40
		For Bronze Anodized Aluminum, Add	*2.22*	
		For Stainless Steel, Add	*9.39*	
		For Black Anodized Finish, Add	*3.99*	
		For Corner Mullion, Add	*5.23*	
08 44 13 00-0030	LF	Aluminum System Curtain Wall, 2" x 6" Jamb Aluminum Framed Window Walls	27.56	3.74
		For Bronze Anodized Aluminum, Add	*2.43*	
		For Stainless Steel, Add	*10.29*	
		For Black Anodized Finish, Add	*4.38*	
08 44 13 00-0031	LF	Aluminum System Curtain Wall, 2" x 6" Horizontal Aluminum Framed Window Walls	27.56	3.74
		For Bronze Anodized Aluminum, Add	*2.43*	
		For Stainless Steel, Add	*10.29*	
		For Black Anodized Finish, Add	*4.38*	
08 44 13 00-0032	LF	Aluminum System Curtain Wall, 2" x 6" Mullion Aluminum Framed Window Walls	27.56	3.74
		For Bronze Anodized Aluminum, Add	*2.43*	
		For Stainless Steel, Add	*10.29*	
		For Black Anodized Finish, Add	*4.38*	
		For Corner Mullion, Add	*5.76*	
08 44 13 00-0033	LF	Aluminum System Curtain Wall, 3" x 5-1/2" Jamb Aluminum Framed Window Walls	30.25	4.26
		For Bronze Anodized Aluminum, Add	*2.64*	
		For Stainless Steel, Add	*11.21*	
		For Black Anodized Finish, Add	*4.76*	
08 44 13 00-0034	LF	Aluminum System Curtain Wall, 3" x 5-1/2" Horizontal Aluminum Framed Window Walls	30.25	4.26
		For Bronze Anodized Aluminum, Add	*2.64*	
		For Stainless Steel, Add	*11.21*	
		For Black Anodized Finish, Add	*4.76*	
08 44 13 00-0035	LF	Aluminum System Curtain Wall, 3" x 5-1/2" Mullion Aluminum Framed Window Walls	30.25	4.26
		For Bronze Anodized Aluminum, Add	*2.64*	
		For Stainless Steel, Add	*11.21*	
		For Black Anodized Finish, Add	*4.76*	
		For Corner Mullion, Add	*6.30*	
08 44 13 00-0036	LF	Aluminum System Curtain Wall, 3" x 6-3/4" Jamb Aluminum Framed Window Walls	33.66	4.60
		For Bronze Anodized Aluminum, Add	*2.98*	
		For Stainless Steel, Add	*12.62*	
		For Black Anodized Finish, Add	*5.37*	
08 44 13 00-0037	LF	Aluminum System Curtain Wall, 3" x 6-3/4" Horizontal Aluminum Framed Window Walls	33.66	4.60
		For Bronze Anodized Aluminum, Add	*2.98*	
		For Stainless Steel, Add	*12.62*	
		For Black Anodized Finish, Add	*5.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 44 13 00-0038	LF	Aluminum System Curtain Wall, 3" x 6-3/4" Mullion Aluminum Framed Window Walls	33.66	4.60
		For Bronze Anodized Aluminum, Add	*2.98*	
		For Stainless Steel, Add	*12.62*	
		For Black Anodized Finish, Add	*5.37*	
		For Corner Mullion, Add	*7.04*	
08 44 13 00-0039	LF	Aluminum System Curtain Wall, 3" x 8-3/4" Jamb Aluminum Framed Window Walls	38.63	5.11
		For Bronze Anodized Aluminum, Add	*3.42*	
		For Stainless Steel, Add	*14.49*	
		For Black Anodized Finish, Add	*6.16*	
08 44 13 00-0040	LF	Aluminum System Curtain Wall, 3" x 8-3/4" Horizontal Aluminum Framed Window Walls	38.63	5.11
		For Bronze Anodized Aluminum, Add	*3.42*	
		For Stainless Steel, Add	*14.49*	
		For Black Anodized Finish, Add	*6.16*	
08 44 13 00-0041	LF	Aluminum System Curtain Wall, 3" x 8-3/4" Mullion Aluminum Framed Window Walls	38.63	5.11
		For Bronze Anodized Aluminum, Add	*3.42*	
		For Stainless Steel, Add	*14.49*	
		For Black Anodized Finish, Add	*6.16*	
		For Corner Mullion, Add	*8.08*	

08 44 26 Structural Glass Curtain Walls *(08 44)*

08 44 26 00-0001 Centria Exterior Closure Components *(08 44 26)*

08 44 26 00-0002	SF	Centria CS-260, 210 Single Skin Metal Panel Note: Metal Panels include panel system base, vertical joints, vertical joint covers, foam and metal closure for vertical joints, clips and attachments. Includes extruded aluminum coping with two coats of 70% Mica Kynar finish factory installed.	41.07
08 44 26 00-0003	SF	Centria Formawall Insulated Metal Panels Note: Includes two coats of 70% Mica Kynar finish factory installed. Includes base extrusion and coping extrusions.	61.62
08 44 26 00-0004	LF	Centria Formawall Insulated Metal Panels Radius Column Note: Includes radius coping.	101.45
08 44 26 00-0005	LF	Centria Formawall Insulated Metal Panels Coping	20.29
08 44 26 00-0006	SF	Centria Formawavue 3000 Thru Tube Window System Without Glass Note: 20 PSF wind load with 70% Mica Kynar two coat finish factory installed.	73.45
08 44 26 00-0007	SF	Centria Formawavue 3000 Insulated Vision Units Note: Vision insulated units to be 1" clear tempered insulated units with PPG Solarban 60 low-e coating on the #2 surface.	11.83
08 44 26 00-0008	SF	Centria Formawavue 3000 Insulated Silkscreen Pattern Units Note: Silkscreen units to be 1" clear tempered insulated units with PPG Solarban 60 low-e coating on the #2 surface and manufacturers standard silk screen (dots or lines) pattern on inboard lite.	22.89
08 44 26 00-0009	LF	Centria Integrated Louver System Note: Factory installed 70% Mica Kynar two coat finish. Excludes blank-off panels or insect screens.	147.44
08 44 26 00-0010	LF	Centria Integrated Sunshade System Note: Factory installed 70% Mica Kynar two coat finish.	696.40

08 44 26 00-0011 Kalwall Exterior Closure Components *(08 44 26)*

08 44 26 00-0012	SF	Kalwall Translucent Panel System Standard Note: 25 PSF wind load. Factory installed 70% Mica Kynar two coat finish.	86.97
08 44 26 00-0013	SF	Kalwall Translucent Panel System High Impact	90.24
08 44 26 00-0014	EA	Wind Clips Note: 2 per connection to steel tube includes all welding, fasteners, prep, and clean up.	190.76
08 44 26 00-0015	EA	Sill Angle With Welded Support Angles For The Kalwall System Note: Includes all welding, fasteners, prep, and clean up.	222.56
08 44 26 00-0016	EA	Kalwall Head Channel At Coping (Galvanized 16 Gauge 2 x 4.5")	10.17
08 44 26 00-0017	EA	Kalwall Head Channel At Corners (Galvanized 16 Gauge 2 x 4.5")	44.51

08 45 Translucent Wall And Roof Assemblies *(08 40)*

08 45 23 Fiberglass-Sandwich-Panel Assemblies *(08 45)*

08 45 23 00-0001 Translucent Fiberglass Panels 2-3/4" Thick *(08 45 23)*

08 45 23 00-0002	SF	<5,000 SF Translucent Fiberglass Panel 2-3/4" Thick, Metal Framed	38.56	4.20
		For Aluminum Frame, Add	*3.23*	
08 45 23 00-0003	SF	>5,000 SF Translucent Fiberglass Panel 2-3/4" Thick, Metal Framed	35.08	3.57
		For Aluminum Frame, Add	*2.97*	

08 50 Windows *(08)*

Note: Includes hardware, caulk, sealant and mounting anchors. Operable windows include weather stripping. Demolition includes removal of frame, glass and insect screens.

08 51 Metal Windows *(08 50)*

08 51 13 Aluminum Windows *(08 51)*

Note: All units are of standard brushed finish. See CSI section 08 80 00 00-0000 for glazing.

08 51 13 00-0001 Aluminum Windows *(08 51 13)*

Note: Includes standard acrylic paint finish. Excludes glazing, panning and aluminum trim.

08 51 13 00-0002 Single Hung Aluminum Windows *(08 51 13 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0003		2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400) *(08 51 13 00-0002)*		
08 51 13 00-0004	EA	Up To 6 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	303.98	75.20
		For Installation In Concrete Or Masonry, Add	*29.53*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.57*	
		For 70% Fluoropolymer Finish (Duranar), Add	*10.72*	
		For Clear Anodized Finish, Add	*8.93*	
		For Color Anodized Finish, Add	*12.51*	
08 51 13 00-0005	EA	>6 To 10 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	339.39	79.90
		For Installation In Concrete Or Masonry, Add	*31.79*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*4.12*	
		For 70% Fluoropolymer Finish (Duranar), Add	*12.37*	
		For Clear Anodized Finish, Add	*10.31*	
		For Color Anodized Finish, Add	*14.44*	
08 51 13 00-0006	EA	>10 To 15 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	370.01	84.60
		For Installation In Concrete Or Masonry, Add	*33.93*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*4.58*	
		For 70% Fluoropolymer Finish (Duranar), Add	*13.74*	
		For Clear Anodized Finish, Add	*11.45*	
		For Color Anodized Finish, Add	*16.03*	
08 51 13 00-0007	EA	>15 To 20 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	395.82	89.30
		For Installation In Concrete Or Masonry, Add	*35.94*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*4.94*	
		For 70% Fluoropolymer Finish (Duranar), Add	*14.82*	
		For Clear Anodized Finish, Add	*12.35*	
		For Color Anodized Finish, Add	*17.29*	
08 51 13 00-0008	EA	>20 To 30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	450.42	94.00
		For Installation In Concrete Or Masonry, Add	*38.68*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*5.88*	
		For 70% Fluoropolymer Finish (Duranar), Add	*17.63*	
		For Clear Anodized Finish, Add	*14.69*	
		For Color Anodized Finish, Add	*20.56*	
08 51 13 00-0009	SF	>30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	14.50	2.82
		For Installation In Concrete Or Masonry, Add	*1.19*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.20*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.59*	
		For Clear Anodized Finish, Add	*0.49*	
		For Color Anodized Finish, Add	*0.69*	
08 51 13 00-0010		3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100) *(08 51 13 00-0002)*		
08 51 13 00-0011	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	431.07	75.20
		For Installation In Concrete Or Masonry, Add	*32.71*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*6.11*	
		For 70% Fluoropolymer Finish (Duranar), Add	*18.34*	
		For Clear Anodized Finish, Add	*15.29*	
		For Color Anodized Finish, Add	*21.40*	
08 51 13 00-0012	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	477.27	79.90
		For Installation In Concrete Or Masonry, Add	*35.23*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*6.88*	
		For 70% Fluoropolymer Finish (Duranar), Add	*20.65*	
		For Clear Anodized Finish, Add	*17.21*	
		For Color Anodized Finish, Add	*24.09*	
08 51 13 00-0013	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	516.29	84.60
		For Installation In Concrete Or Masonry, Add	*37.58*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*7.51*	
		For 70% Fluoropolymer Finish (Duranar), Add	*22.52*	
		For Clear Anodized Finish, Add	*18.76*	
		For Color Anodized Finish, Add	*26.27*	
08 51 13 00-0014	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	554.09	89.30
		For Installation In Concrete Or Masonry, Add	*39.90*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*8.11*	
		For 70% Fluoropolymer Finish (Duranar), Add	*24.32*	
		For Clear Anodized Finish, Add	*20.26*	
		For Color Anodized Finish, Add	*28.37*	
08 51 13 00-0015	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	651.85	94.00
		For Installation In Concrete Or Masonry, Add	*43.71*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*9.90*	
		For 70% Fluoropolymer Finish (Duranar), Add	*29.71*	
		For Clear Anodized Finish, Add	*24.76*	
		For Color Anodized Finish, Add	*34.66*	
08 51 13 00-0016	SF	>30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	21.21	2.82
		For Installation In Concrete Or Masonry, Add	*1.35*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.33*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.99*	
		For Clear Anodized Finish, Add	*0.83*	
		For Color Anodized Finish, Add	*1.16*	
08 51 13 00-0017		3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) *(08 51 13 00-0002)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0018	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	452.66	75.20
		For Installation In Concrete Or Masonry, Add	*33.25*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*6.55*	
		For 70% Fluoropolymer Finish (Duranar), Add	*19.64*	
		For Clear Anodized Finish, Add	*16.37*	
		For Color Anodized Finish, Add	*22.91*	
08 51 13 00-0019	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	507.25	79.90
		For Installation In Concrete Or Masonry, Add	*35.98*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*7.48*	
		For 70% Fluoropolymer Finish (Duranar), Add	*22.45*	
		For Clear Anodized Finish, Add	*18.70*	
		For Color Anodized Finish, Add	*26.19*	
08 51 13 00-0020	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	552.26	84.60
		For Installation In Concrete Or Masonry, Add	*38.48*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*8.23*	
		For 70% Fluoropolymer Finish (Duranar), Add	*24.68*	
		For Clear Anodized Finish, Add	*20.56*	
		For Color Anodized Finish, Add	*28.79*	
08 51 13 00-0021	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	596.06	89.30
		For Installation In Concrete Or Masonry, Add	*40.95*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*8.94*	
		For 70% Fluoropolymer Finish (Duranar), Add	*26.83*	
		For Clear Anodized Finish, Add	*22.36*	
		For Color Anodized Finish, Add	*31.31*	
08 51 13 00-0022	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	703.40	94.00
		For Installation In Concrete Or Masonry, Add	*45.00*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*10.93*	
		For 70% Fluoropolymer Finish (Duranar), Add	*32.80*	
		For Clear Anodized Finish, Add	*27.34*	
		For Color Anodized Finish, Add	*38.27*	
08 51 13 00-0023	SF	>30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	22.92	2.82
		For Installation In Concrete Or Masonry, Add	*1.40*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.36*	
		For 70% Fluoropolymer Finish (Duranar), Add	*1.09*	
		For Clear Anodized Finish, Add	*0.91*	
		For Color Anodized Finish, Add	*1.28*	

08 51 13 00-0024 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) *(08 51 13 00-0002)*

08 51 13 00-0025	EA	Up To 6 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	493.42	75.20
		For Installation In Concrete Or Masonry, Add	*34.27*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*7.36*	
		For 70% Fluoropolymer Finish (Duranar), Add	*22.09*	
		For Clear Anodized Finish, Add	*18.40*	
		For Color Anodized Finish, Add	*25.77*	
08 51 13 00-0026	EA	>6 To 10 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	563.60	79.90
		For Installation In Concrete Or Masonry, Add	*37.39*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*8.61*	
		For 70% Fluoropolymer Finish (Duranar), Add	*25.83*	
		For Clear Anodized Finish, Add	*21.52*	
		For Color Anodized Finish, Add	*30.13*	
08 51 13 00-0027	EA	>10 To 15 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	609.81	84.60
		For Installation In Concrete Or Masonry, Add	*39.92*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*9.38*	
		For 70% Fluoropolymer Finish (Duranar), Add	*28.13*	
		For Clear Anodized Finish, Add	*23.44*	
		For Color Anodized Finish, Add	*32.82*	
08 51 13 00-0028	EA	>15 To 20 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	653.61	89.30
		For Installation In Concrete Or Masonry, Add	*42.39*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*10.10*	
		For 70% Fluoropolymer Finish (Duranar), Add	*30.29*	
		For Clear Anodized Finish, Add	*25.24*	
		For Color Anodized Finish, Add	*35.33*	
08 51 13 00-0029	EA	>20 To 30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	752.56	94.00
		For Installation In Concrete Or Masonry, Add	*46.23*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*11.92*	
		For 70% Fluoropolymer Finish (Duranar), Add	*35.75*	
		For Clear Anodized Finish, Add	*29.80*	
		For Color Anodized Finish, Add	*41.71*	
08 51 13 00-0030	SF	>30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	24.57	2.82
		For Installation In Concrete Or Masonry, Add	*1.44*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.40*	
		For 70% Fluoropolymer Finish (Duranar), Add	*1.19*	
		For Clear Anodized Finish, Add	*0.99*	
		For Color Anodized Finish, Add	*1.39*	

08 51 13 00-0031 Double Hung Aluminum Windows *(08 51 13 00-0001)*

08 51 13 00-0032 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000) *(08 51 13 00-0031)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0033	EA	Up To 6 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	336.35	75.20
		For Installation In Concrete Or Masonry, Add	*30.34*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*4.22*	
		For 70% Fluoropolymer Finish (Duranar), Add	*12.66*	
		For Clear Anodized Finish, Add	*10.55*	
		For Color Anodized Finish, Add	*14.77*	
08 51 13 00-0034	EA	>6 To 10 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	370.56	79.90
		For Installation In Concrete Or Masonry, Add	*32.57*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*4.75*	
		For 70% Fluoropolymer Finish (Duranar), Add	*14.24*	
		For Clear Anodized Finish, Add	*11.87*	
		For Color Anodized Finish, Add	*16.62*	
08 51 13 00-0035	EA	>10 To 15 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	399.98	84.60
		For Installation In Concrete Or Masonry, Add	*34.67*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*5.18*	
		For 70% Fluoropolymer Finish (Duranar), Add	*15.54*	
		For Clear Anodized Finish, Add	*12.95*	
		For Color Anodized Finish, Add	*18.13*	
08 51 13 00-0036	EA	>15 To 20 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	430.59	89.30
		For Installation In Concrete Or Masonry, Add	*36.81*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*5.64*	
		For 70% Fluoropolymer Finish (Duranar), Add	*16.91*	
		For Clear Anodized Finish, Add	*14.09*	
		For Color Anodized Finish, Add	*19.72*	
08 51 13 00-0037	EA	>20 To 30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	497.18	94.00
		For Installation In Concrete Or Masonry, Add	*39.85*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*6.81*	
		For 70% Fluoropolymer Finish (Duranar), Add	*20.43*	
		For Clear Anodized Finish, Add	*17.03*	
		For Color Anodized Finish, Add	*23.84*	
08 51 13 00-0038	SF	>30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	16.05	2.82
		For Installation In Concrete Or Masonry, Add	*1.22*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.23*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.68*	
		For Clear Anodized Finish, Add	*0.57*	
		For Color Anodized Finish, Add	*0.79*	

08 51 13 00-0039 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000) *(08 51 13 00-0031)*

08 51 13 00-0040	EA	Up To 6 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	404.70	75.20
		For Installation In Concrete Or Masonry, Add	*32.05*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*5.59*	
		For 70% Fluoropolymer Finish (Duranar), Add	*16.76*	
		For Clear Anodized Finish, Add	*13.97*	
		For Color Anodized Finish, Add	*19.56*	
08 51 13 00-0041	EA	>6 To 10 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	465.28	79.90
		For Installation In Concrete Or Masonry, Add	*34.94*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*6.64*	
		For 70% Fluoropolymer Finish (Duranar), Add	*19.93*	
		For Clear Anodized Finish, Add	*16.61*	
		For Color Anodized Finish, Add	*23.25*	
08 51 13 00-0042	EA	>10 To 15 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	515.09	84.60
		For Installation In Concrete Or Masonry, Add	*37.55*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*7.48*	
		For 70% Fluoropolymer Finish (Duranar), Add	*22.45*	
		For Clear Anodized Finish, Add	*18.70*	
		For Color Anodized Finish, Add	*26.19*	
08 51 13 00-0043	EA	>15 To 20 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	570.88	89.30
		For Installation In Concrete Or Masonry, Add	*40.32*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*8.44*	
		For 70% Fluoropolymer Finish (Duranar), Add	*25.32*	
		For Clear Anodized Finish, Add	*21.10*	
		For Color Anodized Finish, Add	*29.54*	
08 51 13 00-0044	EA	>20 To 30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	671.03	94.00
		For Installation In Concrete Or Masonry, Add	*44.19*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*10.29*	
		For 70% Fluoropolymer Finish (Duranar), Add	*30.86*	
		For Clear Anodized Finish, Add	*25.72*	
		For Color Anodized Finish, Add	*36.01*	
08 51 13 00-0045	SF	>30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	21.85	2.82
		For Installation In Concrete Or Masonry, Add	*1.37*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.34*	
		For 70% Fluoropolymer Finish (Duranar), Add	*1.03*	
		For Clear Anodized Finish, Add	*0.86*	
		For Color Anodized Finish, Add	*1.20*	

08 51 13 00-0046 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400) *(08 51 13 00-0031)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0047	EA	Up To 6 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	499.42	75.20
		For Installation In Concrete Or Masonry, Add	*34.42*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*7.48*	
		For 70% Fluoropolymer Finish (Duranar), Add	*22.45*	
		For Clear Anodized Finish, Add	*18.70*	
		For Color Anodized Finish, Add	*26.19*	
08 51 13 00-0048	EA	>6 To 10 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	569.60	79.90
		For Installation In Concrete Or Masonry, Add	*37.54*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*8.73*	
		For 70% Fluoropolymer Finish (Duranar), Add	*26.19*	
		For Clear Anodized Finish, Add	*21.82*	
		For Color Anodized Finish, Add	*30.55*	
08 51 13 00-0049	EA	>10 To 15 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	628.99	84.60
		For Installation In Concrete Or Masonry, Add	*40.40*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*9.76*	
		For 70% Fluoropolymer Finish (Duranar), Add	*29.28*	
		For Clear Anodized Finish, Add	*24.40*	
		For Color Anodized Finish, Add	*34.16*	
08 51 13 00-0050	EA	>15 To 20 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	687.18	89.30
		For Installation In Concrete Or Masonry, Add	*43.22*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*10.77*	
		For 70% Fluoropolymer Finish (Duranar), Add	*32.30*	
		For Clear Anodized Finish, Add	*26.92*	
		For Color Anodized Finish, Add	*37.68*	
08 51 13 00-0051	EA	>20 To 30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	823.30	94.00
		For Installation In Concrete Or Masonry, Add	*48.00*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*13.33*	
		For 70% Fluoropolymer Finish (Duranar), Add	*40.00*	
		For Clear Anodized Finish, Add	*33.33*	
		For Color Anodized Finish, Add	*46.66*	
08 51 13 00-0052	SF	>30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	26.92	2.82
		For Installation In Concrete Or Masonry, Add	*1.50*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.44*	
		For 70% Fluoropolymer Finish (Duranar), Add	*1.33*	
		For Clear Anodized Finish, Add	*1.11*	
		For Color Anodized Finish, Add	*1.56*	

08 51 13 00-0053 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900) *(08 51 13 00-0031)*

08 51 13 00-0054	EA	Up To 10 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	760.24	79.90
		For Installation In Concrete Or Masonry, Add	*42.31*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*12.54*	
		For 70% Fluoropolymer Finish (Duranar), Add	*37.62*	
		For Clear Anodized Finish, Add	*31.35*	
		For Color Anodized Finish, Add	*43.90*	
08 51 13 00-0055	EA	>10 To 15 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	831.62	84.60
		For Installation In Concrete Or Masonry, Add	*45.47*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*13.81*	
		For 70% Fluoropolymer Finish (Duranar), Add	*41.44*	
		For Clear Anodized Finish, Add	*34.53*	
		For Color Anodized Finish, Add	*48.34*	
08 51 13 00-0056	EA	>15 To 20 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	914.99	89.30
		For Installation In Concrete Or Masonry, Add	*48.92*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*15.32*	
		For 70% Fluoropolymer Finish (Duranar), Add	*45.97*	
		For Clear Anodized Finish, Add	*38.31*	
		For Color Anodized Finish, Add	*53.63*	
08 51 13 00-0057	EA	>20 To 30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	1,053.51	94.00
		For Installation In Concrete Or Masonry, Add	*53.75*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*17.94*	
		For 70% Fluoropolymer Finish (Duranar), Add	*53.81*	
		For Clear Anodized Finish, Add	*44.84*	
		For Color Anodized Finish, Add	*62.78*	
08 51 13 00-0058	SF	>30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	34.56	2.82
		For Installation In Concrete Or Masonry, Add	*1.69*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.60*	
		For 70% Fluoropolymer Finish (Duranar), Add	*1.79*	
		For Clear Anodized Finish, Add	*1.49*	
		For Color Anodized Finish, Add	*2.09*	

08 51 13 00-0059 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600) *(08 51 13 00-0031)*

08 51 13 00-0060	EA	Up To 10 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	1,031.21	79.90
		For Installation In Concrete Or Masonry, Add	*49.08*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*17.96*	
		For 70% Fluoropolymer Finish (Duranar), Add	*53.88*	
		For Clear Anodized Finish, Add	*44.90*	
		For Color Anodized Finish, Add	*62.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0061	EA	>10 To 15 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	1,110.99	84.60
		For Installation In Concrete Or Masonry, Add	*52.45*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*19.40*	
		For 70% Fluoropolymer Finish (Duranar), Add	*58.20*	
		For Clear Anodized Finish, Add	*48.50*	
		For Color Anodized Finish, Add	*67.90*	
08 51 13 00-0062	EA	>15 To 20 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	1,201.55	89.30
		For Installation In Concrete Or Masonry, Add	*56.08*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*21.05*	
		For 70% Fluoropolymer Finish (Duranar), Add	*63.16*	
		For Clear Anodized Finish, Add	*52.64*	
		For Color Anodized Finish, Add	*73.69*	
08 51 13 00-0063	EA	>20 To 30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	1,356.86	94.00
		For Installation In Concrete Or Masonry, Add	*61.34*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*24.00*	
		For 70% Fluoropolymer Finish (Duranar), Add	*72.01*	
		For Clear Anodized Finish, Add	*60.01*	
		For Color Anodized Finish, Add	*84.01*	
08 51 13 00-0064	SF	>30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	44.75	2.82
		For Installation In Concrete Or Masonry, Add	*1.94*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.80*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.40*	
		For Clear Anodized Finish, Add	*2.00*	
		For Color Anodized Finish, Add	*2.80*	

08 51 13 00-0065 Horizontal Sliding Aluminum Windows *(08 51 13 00-0001)*

08 51 13 00-0066 One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Windows *(08 51 13 00-0065)*

08 51 13 00-0067 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400) *(08 51 13 00-0066)*

08 51 13 00-0068	EA	Up To 6 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	309.98	75.20
		For Installation In Concrete Or Masonry, Add	*29.68*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.69*	
		For 70% Fluoropolymer Finish (Duranar), Add	*11.08*	
		For Clear Anodized Finish, Add	*9.23*	
		For Color Anodized Finish, Add	*12.93*	
08 51 13 00-0069	EA	>6 To 10 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	346.58	79.90
		For Installation In Concrete Or Masonry, Add	*31.97*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*4.27*	
		For 70% Fluoropolymer Finish (Duranar), Add	*12.81*	
		For Clear Anodized Finish, Add	*10.67*	
		For Color Anodized Finish, Add	*14.94*	
08 51 13 00-0070	EA	>10 To 15 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	374.80	84.60
		For Installation In Concrete Or Masonry, Add	*34.05*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*4.68*	
		For 70% Fluoropolymer Finish (Duranar), Add	*14.03*	
		For Clear Anodized Finish, Add	*11.69*	
		For Color Anodized Finish, Add	*16.37*	
08 51 13 00-0071	EA	>15 To 20 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	404.22	89.30
		For Installation In Concrete Or Masonry, Add	*36.15*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*5.11*	
		For 70% Fluoropolymer Finish (Duranar), Add	*15.32*	
		For Clear Anodized Finish, Add	*12.77*	
		For Color Anodized Finish, Add	*17.88*	
08 51 13 00-0072	EA	>20 To 30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	461.21	94.00
		For Installation In Concrete Or Masonry, Add	*38.95*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*6.09*	
		For 70% Fluoropolymer Finish (Duranar), Add	*18.27*	
		For Clear Anodized Finish, Add	*15.23*	
		For Color Anodized Finish, Add	*21.32*	
08 51 13 00-0073	SF	>30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	14.86	2.82
		For Installation In Concrete Or Masonry, Add	*1.19*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.20*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.61*	
		For Clear Anodized Finish, Add	*0.51*	
		For Color Anodized Finish, Add	*0.71*	

08 51 13 00-0074 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) *(08 51 13 00-0066)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0075	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	462.25	75.20
		For Installation In Concrete Or Masonry, Add	*33.49*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*6.74*	
		For 70% Fluoropolymer Finish (Duranar), Add	*20.22*	
		For Clear Anodized Finish, Add	*16.85*	
		For Color Anodized Finish, Add	*23.58*	
08 51 13 00-0076	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	518.04	79.90
		For Installation In Concrete Or Masonry, Add	*36.25*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*7.70*	
		For 70% Fluoropolymer Finish (Duranar), Add	*23.09*	
		For Clear Anodized Finish, Add	*19.24*	
		For Color Anodized Finish, Add	*26.94*	
08 51 13 00-0077	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	563.05	84.60
		For Installation In Concrete Or Masonry, Add	*38.75*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*8.44*	
		For 70% Fluoropolymer Finish (Duranar), Add	*25.32*	
		For Clear Anodized Finish, Add	*21.10*	
		For Color Anodized Finish, Add	*29.54*	
08 51 13 00-0078	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	606.85	89.30
		For Installation In Concrete Or Masonry, Add	*41.22*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*9.16*	
		For 70% Fluoropolymer Finish (Duranar), Add	*27.48*	
		For Clear Anodized Finish, Add	*22.90*	
		For Color Anodized Finish, Add	*32.06*	
08 51 13 00-0079	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	698.61	94.00
		For Installation In Concrete Or Masonry, Add	*44.88*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*10.84*	
		For 70% Fluoropolymer Finish (Duranar), Add	*32.52*	
		For Clear Anodized Finish, Add	*27.10*	
		For Color Anodized Finish, Add	*37.94*	
08 51 13 00-0080	SF	>30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	22.77	2.82
		For Installation In Concrete Or Masonry, Add	*1.39*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.36*	
		For 70% Fluoropolymer Finish (Duranar), Add	*1.08*	
		For Clear Anodized Finish, Add	*0.90*	
		For Color Anodized Finish, Add	*1.26*	

08 51 13 00-0081 Two Rolling Sashes, Horizontal Sliding Aluminum Windows *(08 51 13 00-0065)*

08 51 13 00-0082 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000) *(08 51 13 00-0081)*

08 51 13 00-0083	EA	Up To 6 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	341.15	75.20
		For Installation In Concrete Or Masonry, Add	*30.46*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*4.32*	
		For 70% Fluoropolymer Finish (Duranar), Add	*12.95*	
		For Clear Anodized Finish, Add	*10.79*	
		For Color Anodized Finish, Add	*15.11*	
08 51 13 00-0084	EA	>6 To 10 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	387.35	79.90
		For Installation In Concrete Or Masonry, Add	*32.99*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*5.08*	
		For 70% Fluoropolymer Finish (Duranar), Add	*15.25*	
		For Clear Anodized Finish, Add	*12.71*	
		For Color Anodized Finish, Add	*17.79*	
08 51 13 00-0085	EA	>10 To 15 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	419.17	84.60
		For Installation In Concrete Or Masonry, Add	*35.15*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*5.56*	
		For 70% Fluoropolymer Finish (Duranar), Add	*16.69*	
		For Clear Anodized Finish, Add	*13.91*	
		For Color Anodized Finish, Add	*19.47*	
08 51 13 00-0086	EA	>15 To 20 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	446.18	89.30
		For Installation In Concrete Or Masonry, Add	*37.20*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*5.95*	
		For 70% Fluoropolymer Finish (Duranar), Add	*17.84*	
		For Clear Anodized Finish, Add	*14.87*	
		For Color Anodized Finish, Add	*20.81*	
08 51 13 00-0087	EA	>20 To 30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	510.36	94.00
		For Installation In Concrete Or Masonry, Add	*40.17*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*7.07*	
		For 70% Fluoropolymer Finish (Duranar), Add	*21.22*	
		For Clear Anodized Finish, Add	*17.69*	
		For Color Anodized Finish, Add	*24.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0088	SF	>30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	16.49	2.82
		For Installation In Concrete Or Masonry, Add	*1.23*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.24*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.71*	
		For Clear Anodized Finish, Add	*0.59*	
		For Color Anodized Finish, Add	*0.83*	

08 51 13 00-0089 Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Windows *(08 51 13 00-0065)*

08 51 13 00-0090 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330) *(08 51 13 00-0089)*

08 51 13 00-0091	EA	Up To 12 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	795.57	75.20
		For Installation In Concrete Or Masonry, Add	*41.82*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*13.40*	
		For 70% Fluoropolymer Finish (Duranar), Add	*40.21*	
		For Clear Anodized Finish, Add	*33.51*	
		For Color Anodized Finish, Add	*46.92*	
08 51 13 00-0092	EA	>12 To 18 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	915.87	86.95
		For Installation In Concrete Or Masonry, Add	*48.26*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*15.42*	
		For 70% Fluoropolymer Finish (Duranar), Add	*46.26*	
		For Clear Anodized Finish, Add	*38.55*	
		For Color Anodized Finish, Add	*53.97*	
08 51 13 00-0093	EA	>18 To 24 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	988.45	91.65
		For Installation In Concrete Or Masonry, Add	*51.44*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*16.71*	
		For 70% Fluoropolymer Finish (Duranar), Add	*50.14*	
		For Clear Anodized Finish, Add	*41.79*	
		For Color Anodized Finish, Add	*58.50*	
08 51 13 00-0094	EA	>24 To 40 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	1,190.28	103.40
		For Installation In Concrete Or Masonry, Add	*59.91*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*20.36*	
		For 70% Fluoropolymer Finish (Duranar), Add	*61.08*	
		For Clear Anodized Finish, Add	*50.90*	
		For Color Anodized Finish, Add	*71.26*	
08 51 13 00-0095	EA	>40 To 60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	1,373.25	117.50
		For Installation In Concrete Or Masonry, Add	*68.60*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*23.55*	
		For 70% Fluoropolymer Finish (Duranar), Add	*70.65*	
		For Clear Anodized Finish, Add	*58.87*	
		For Color Anodized Finish, Add	*82.42*	
08 51 13 00-0096	SF	>60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	24.32	2.82
		For Installation In Concrete Or Masonry, Add	*1.43*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.39*	
		For 70% Fluoropolymer Finish (Duranar), Add	*1.18*	
		For Clear Anodized Finish, Add	*0.98*	
		For Color Anodized Finish, Add	*1.37*	

08 51 13 00-0097 Fixed Aluminum Windows *(08 51 13 00-0001)*

08 51 13 00-0098 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) *(08 51 13 00-0097)*

08 51 13 00-0099	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	253.62	75.20
		For Installation In Concrete Or Masonry, Add	*28.27*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.57*	
		For 70% Fluoropolymer Finish (Duranar), Add	*7.70*	
		For Clear Anodized Finish, Add	*6.41*	
		For Color Anodized Finish, Add	*8.98*	
08 51 13 00-0100	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	285.43	79.90
		For Installation In Concrete Or Masonry, Add	*30.44*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.05*	
		For 70% Fluoropolymer Finish (Duranar), Add	*9.14*	
		For Clear Anodized Finish, Add	*7.61*	
		For Color Anodized Finish, Add	*10.66*	
08 51 13 00-0101	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	301.67	84.60
		For Installation In Concrete Or Masonry, Add	*32.22*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.21*	
		For 70% Fluoropolymer Finish (Duranar), Add	*9.64*	
		For Clear Anodized Finish, Add	*8.03*	
		For Color Anodized Finish, Add	*11.25*	
08 51 13 00-0102	EA	>15 To 20 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	317.89	89.30
		For Installation In Concrete Or Masonry, Add	*33.99*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.38*	
		For 70% Fluoropolymer Finish (Duranar), Add	*10.14*	
		For Clear Anodized Finish, Add	*8.45*	
		For Color Anodized Finish, Add	*11.83*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0103	EA	>20 To 30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	403.65	94.00
		For Installation In Concrete Or Masonry, Add	*37.51*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*4.94*	
		For 70% Fluoropolymer Finish (Duranar), Add	*14.82*	
		For Clear Anodized Finish, Add	*12.35*	
		For Color Anodized Finish, Add	*17.29*	
08 51 13 00-0104	SF	>30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	12.94	2.82
		For Installation In Concrete Or Masonry, Add	*1.15*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.16*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.49*	
		For Clear Anodized Finish, Add	*0.41*	
		For Color Anodized Finish, Add	*0.58*	

08 51 13 00-0105 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800) *(08 51 13 00-0097)*

08 51 13 00-0106	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	306.38	75.20
		For Installation In Concrete Or Masonry, Add	*29.59*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.62*	
		For 70% Fluoropolymer Finish (Duranar), Add	*10.86*	
		For Clear Anodized Finish, Add	*9.05*	
		For Color Anodized Finish, Add	*12.67*	
08 51 13 00-0107	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	346.58	79.90
		For Installation In Concrete Or Masonry, Add	*31.97*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*4.27*	
		For 70% Fluoropolymer Finish (Duranar), Add	*12.81*	
		For Clear Anodized Finish, Add	*10.67*	
		For Color Anodized Finish, Add	*14.94*	
08 51 13 00-0108	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	372.41	84.60
		For Installation In Concrete Or Masonry, Add	*33.99*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*4.63*	
		For 70% Fluoropolymer Finish (Duranar), Add	*13.88*	
		For Clear Anodized Finish, Add	*11.57*	
		For Color Anodized Finish, Add	*16.20*	
08 51 13 00-0109	EA	>15 To 20 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	399.42	89.30
		For Installation In Concrete Or Masonry, Add	*36.03*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*5.01*	
		For 70% Fluoropolymer Finish (Duranar), Add	*15.04*	
		For Clear Anodized Finish, Add	*12.53*	
		For Color Anodized Finish, Add	*17.54*	
08 51 13 00-0110	EA	>20 To 30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	510.36	94.00
		For Installation In Concrete Or Masonry, Add	*40.17*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*7.07*	
		For 70% Fluoropolymer Finish (Duranar), Add	*21.22*	
		For Clear Anodized Finish, Add	*17.69*	
		For Color Anodized Finish, Add	*24.76*	
08 51 13 00-0111	SF	>30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	16.49	2.82
		For Installation In Concrete Or Masonry, Add	*1.23*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.24*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.71*	
		For Clear Anodized Finish, Add	*0.59*	
		For Color Anodized Finish, Add	*0.83*	

08 51 13 00-0112 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7900) *(08 51 13 00-0097)*

08 51 13 00-0113	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7900)	270.41	75.20
		For Installation In Concrete Or Masonry, Add	*28.69*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.90*	
		For 70% Fluoropolymer Finish (Duranar), Add	*8.70*	
		For Clear Anodized Finish, Add	*7.25*	
		For Color Anodized Finish, Add	*10.16*	
08 51 13 00-0114	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7900)	310.61	79.90
		For Installation In Concrete Or Masonry, Add	*31.07*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.55*	
		For 70% Fluoropolymer Finish (Duranar), Add	*10.65*	
		For Clear Anodized Finish, Add	*8.87*	
		For Color Anodized Finish, Add	*12.42*	
08 51 13 00-0115	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7900)	334.04	84.60
		For Installation In Concrete Or Masonry, Add	*33.03*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.86*	
		For 70% Fluoropolymer Finish (Duranar), Add	*11.58*	
		For Clear Anodized Finish, Add	*9.65*	
		For Color Anodized Finish, Add	*13.51*	
08 51 13 00-0116	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7900)	358.65	89.30
		For Installation In Concrete Or Masonry, Add	*35.01*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*4.20*	
		For 70% Fluoropolymer Finish (Duranar), Add	*12.59*	
		For Clear Anodized Finish, Add	*10.49*	
		For Color Anodized Finish, Add	*14.69*	
08 51 13 00-0117	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7900)	463.60	94.00
		For Installation In Concrete Or Masonry, Add	*39.01*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*6.14*	
		For 70% Fluoropolymer Finish (Duranar), Add	*18.42*	
		For Clear Anodized Finish, Add	*15.35*	
		For Color Anodized Finish, Add	*21.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0118	SF	>30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7900)	14.93	2.82
		For Installation In Concrete Or Masonry, Add	*1.20*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.20*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.61*	
		For Clear Anodized Finish, Add	*0.51*	
		For Color Anodized Finish, Add	*0.72*	
08 51 13 00-0119		4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500) *(08 51 13 00-0097)*		
08 51 13 00-0120	EA	Up To 6 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	269.21	75.20
		For Installation In Concrete Or Masonry, Add	*28.66*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.88*	
		For 70% Fluoropolymer Finish (Duranar), Add	*8.63*	
		For Clear Anodized Finish, Add	*7.19*	
		For Color Anodized Finish, Add	*10.07*	
08 51 13 00-0121	EA	>6 To 10 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	305.82	79.90
		For Installation In Concrete Or Masonry, Add	*30.95*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.45*	
		For 70% Fluoropolymer Finish (Duranar), Add	*10.36*	
		For Clear Anodized Finish, Add	*8.63*	
		For Color Anodized Finish, Add	*12.09*	
08 51 13 00-0122	EA	>10 To 15 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	329.24	84.60
		For Installation In Concrete Or Masonry, Add	*32.91*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.76*	
		For 70% Fluoropolymer Finish (Duranar), Add	*11.29*	
		For Clear Anodized Finish, Add	*9.41*	
		For Color Anodized Finish, Add	*13.18*	
08 51 13 00-0123	EA	>15 To 20 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	353.86	89.30
		For Installation In Concrete Or Masonry, Add	*34.89*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*4.10*	
		For 70% Fluoropolymer Finish (Duranar), Add	*12.30*	
		For Clear Anodized Finish, Add	*10.25*	
		For Color Anodized Finish, Add	*14.35*	
08 51 13 00-0124	EA	>20 To 30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	458.81	94.00
		For Installation In Concrete Or Masonry, Add	*38.89*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*6.04*	
		For 70% Fluoropolymer Finish (Duranar), Add	*18.13*	
		For Clear Anodized Finish, Add	*15.11*	
		For Color Anodized Finish, Add	*21.15*	
08 51 13 00-0125	SF	>30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	14.77	2.82
		For Installation In Concrete Or Masonry, Add	*1.19*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.20*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.60*	
		For Clear Anodized Finish, Add	*0.50*	
		For Color Anodized Finish, Add	*0.70*	
08 51 13 00-0126		Projected Aluminum Windows *(08 51 13 00-0001)*		
08 51 13 00-0127		Single Vent, Projected Aluminum Windows *(08 51 13 00-0126)*		
08 51 13 00-0128		2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250) *(08 51 13 00-0127)*		
08 51 13 00-0129	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	343.79	75.20
		For Installation In Concrete Or Masonry, Add	*30.53*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*4.37*	
		For 70% Fluoropolymer Finish (Duranar), Add	*13.11*	
		For Clear Anodized Finish, Add	*10.92*	
		For Color Anodized Finish, Add	*15.29*	
08 51 13 00-0130	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	371.64	79.90
		For Installation In Concrete Or Masonry, Add	*32.59*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*4.77*	
		For 70% Fluoropolymer Finish (Duranar), Add	*14.31*	
		For Clear Anodized Finish, Add	*11.92*	
		For Color Anodized Finish, Add	*16.69*	
08 51 13 00-0131	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	403.58	84.60
		For Installation In Concrete Or Masonry, Add	*34.76*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*5.25*	
		For 70% Fluoropolymer Finish (Duranar), Add	*15.75*	
		For Clear Anodized Finish, Add	*13.13*	
		For Color Anodized Finish, Add	*18.38*	
08 51 13 00-0132	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	22.21	2.82
		For Installation In Concrete Or Masonry, Add	*1.38*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.35*	
		For 70% Fluoropolymer Finish (Duranar), Add	*1.05*	
		For Clear Anodized Finish, Add	*0.88*	
		For Color Anodized Finish, Add	*1.23*	
08 51 13 00-0133		2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500) *(08 51 13 00-0127)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0134	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	449.79	75.20
		For Installation In Concrete Or Masonry, Add	*33.18*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*6.49*	
		For 70% Fluoropolymer Finish (Duranar), Add	*19.47*	
		For Clear Anodized Finish, Add	*16.22*	
		For Color Anodized Finish, Add	*22.71*	
08 51 13 00-0135	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	495.15	79.90
		For Installation In Concrete Or Masonry, Add	*35.68*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*7.24*	
		For 70% Fluoropolymer Finish (Duranar), Add	*21.72*	
		For Clear Anodized Finish, Add	*18.10*	
		For Color Anodized Finish, Add	*25.34*	
08 51 13 00-0136	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	547.46	84.60
		For Installation In Concrete Or Masonry, Add	*38.36*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*8.13*	
		For 70% Fluoropolymer Finish (Duranar), Add	*24.39*	
		For Clear Anodized Finish, Add	*20.32*	
		For Color Anodized Finish, Add	*28.45*	
08 51 13 00-0137	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	31.80	2.82
		For Installation In Concrete Or Masonry, Add	*1.62*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.54*	
		For 70% Fluoropolymer Finish (Duranar), Add	*1.63*	
		For Clear Anodized Finish, Add	*1.36*	
		For Color Anodized Finish, Add	*1.90*	

08 51 13 00-0138 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500) *(08 51 13 00-0127)*

08 51 13 00-0139	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	489.55	75.20
		For Installation In Concrete Or Masonry, Add	*34.17*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*7.28*	
		For 70% Fluoropolymer Finish (Duranar), Add	*21.85*	
		For Clear Anodized Finish, Add	*18.21*	
		For Color Anodized Finish, Add	*25.50*	
08 51 13 00-0140	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	541.46	79.90
		For Installation In Concrete Or Masonry, Add	*36.84*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*8.17*	
		For 70% Fluoropolymer Finish (Duranar), Add	*24.50*	
		For Clear Anodized Finish, Add	*20.42*	
		For Color Anodized Finish, Add	*28.58*	
08 51 13 00-0141	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	601.42	84.60
		For Installation In Concrete Or Masonry, Add	*39.71*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*9.21*	
		For 70% Fluoropolymer Finish (Duranar), Add	*27.63*	
		For Clear Anodized Finish, Add	*23.02*	
		For Color Anodized Finish, Add	*32.23*	
08 51 13 00-0142	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	35.39	2.82
		For Installation In Concrete Or Masonry, Add	*1.71*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.61*	
		For 70% Fluoropolymer Finish (Duranar), Add	*1.84*	
		For Clear Anodized Finish, Add	*1.53*	
		For Color Anodized Finish, Add	*2.15*	

08 51 13 00-0143 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600) *(08 51 13 00-0127)*

08 51 13 00-0144	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600)	516.94	75.20
		For Installation In Concrete Or Masonry, Add	*34.86*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*7.83*	
		For 70% Fluoropolymer Finish (Duranar), Add	*23.50*	
		For Clear Anodized Finish, Add	*19.58*	
		For Color Anodized Finish, Add	*27.41*	
08 51 13 00-0145	EA	>6 To 10 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	573.36	79.90
		For Installation In Concrete Or Masonry, Add	*37.64*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*8.80*	
		For 70% Fluoropolymer Finish (Duranar), Add	*26.41*	
		For Clear Anodized Finish, Add	*22.01*	
		For Color Anodized Finish, Add	*30.81*	
08 51 13 00-0146	EA	>10 To 15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	638.58	84.60
		For Installation In Concrete Or Masonry, Add	*40.64*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*9.95*	
		For 70% Fluoropolymer Finish (Duranar), Add	*29.85*	
		For Clear Anodized Finish, Add	*24.88*	
		For Color Anodized Finish, Add	*34.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0147	SF	>15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	37.88	2.82
		For Installation In Concrete Or Masonry, Add	*1.77*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.66*	
		For 70% Fluoropolymer Finish (Duranar), Add	*1.99*	
		For Clear Anodized Finish, Add	*1.66*	
		For Color Anodized Finish, Add	*2.32*	
08 51 13 00-0148		4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750) *(08 51 13 00-0127)*		
08 51 13 00-0149	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	513.40	75.20
		For Installation In Concrete Or Masonry, Add	*34.77*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*7.76*	
		For 70% Fluoropolymer Finish (Duranar), Add	*23.28*	
		For Clear Anodized Finish, Add	*19.40*	
		For Color Anodized Finish, Add	*27.16*	
08 51 13 00-0150	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	569.25	79.90
		For Installation In Concrete Or Masonry, Add	*37.53*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*8.72*	
		For 70% Fluoropolymer Finish (Duranar), Add	*26.17*	
		For Clear Anodized Finish, Add	*21.80*	
		For Color Anodized Finish, Add	*30.53*	
08 51 13 00-0151	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	633.79	84.60
		For Installation In Concrete Or Masonry, Add	*40.52*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*9.86*	
		For 70% Fluoropolymer Finish (Duranar), Add	*29.57*	
		For Clear Anodized Finish, Add	*24.64*	
		For Color Anodized Finish, Add	*34.50*	
08 51 13 00-0152	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	37.55	2.82
		For Installation In Concrete Or Masonry, Add	*1.76*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.66*	
		For 70% Fluoropolymer Finish (Duranar), Add	*1.97*	
		For Clear Anodized Finish, Add	*1.64*	
		For Color Anodized Finish, Add	*2.30*	
08 51 13 00-0153		Fixed Over Vent, Projected Aluminum Windows *(08 51 13 00-0126)*		
08 51 13 00-0154		2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250) *(08 51 13 00-0153)*		
08 51 13 00-0155	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	459.52	75.20
		For Installation In Concrete Or Masonry, Add	*33.42*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*6.68*	
		For 70% Fluoropolymer Finish (Duranar), Add	*20.05*	
		For Clear Anodized Finish, Add	*16.71*	
		For Color Anodized Finish, Add	*23.39*	
08 51 13 00-0156	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	506.47	79.90
		For Installation In Concrete Or Masonry, Add	*35.96*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*7.47*	
		For 70% Fluoropolymer Finish (Duranar), Add	*22.40*	
		For Clear Anodized Finish, Add	*18.67*	
		For Color Anodized Finish, Add	*26.13*	
08 51 13 00-0157	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	560.65	84.60
		For Installation In Concrete Or Masonry, Add	*38.69*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*8.39*	
		For 70% Fluoropolymer Finish (Duranar), Add	*25.18*	
		For Clear Anodized Finish, Add	*20.98*	
		For Color Anodized Finish, Add	*29.38*	
08 51 13 00-0158	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	32.64	2.82
		For Installation In Concrete Or Masonry, Add	*1.64*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.56*	
		For 70% Fluoropolymer Finish (Duranar), Add	*1.68*	
		For Clear Anodized Finish, Add	*1.40*	
		For Color Anodized Finish, Add	*1.96*	
08 51 13 00-0159		2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500) *(08 51 13 00-0153)*		
08 51 13 00-0160	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	627.36	75.20
		For Installation In Concrete Or Masonry, Add	*37.62*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*10.04*	
		For 70% Fluoropolymer Finish (Duranar), Add	*30.12*	
		For Clear Anodized Finish, Add	*25.10*	
		For Color Anodized Finish, Add	*35.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0161	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	702.01	79.90
		For Installation In Concrete Or Masonry, Add	*40.85*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*11.38*	
		For 70% Fluoropolymer Finish (Duranar), Add	*34.13*	
		For Clear Anodized Finish, Add	*28.44*	
		For Color Anodized Finish, Add	*39.82*	
08 51 13 00-0162	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	788.46	84.60
		For Installation In Concrete Or Masonry, Add	*44.39*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*12.95*	
		For 70% Fluoropolymer Finish (Duranar), Add	*38.85*	
		For Clear Anodized Finish, Add	*32.37*	
		For Color Anodized Finish, Add	*45.32*	
08 51 13 00-0163	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	47.86	2.82
		For Installation In Concrete Or Masonry, Add	*2.02*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.86*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.59*	
		For Clear Anodized Finish, Add	*2.16*	
		For Color Anodized Finish, Add	*3.02*	

08 51 13 00-0164 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500) *(08 51 13 00-0153)*

08 51 13 00-0165	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	662.70	75.20
		For Installation In Concrete Or Masonry, Add	*38.50*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*10.75*	
		For 70% Fluoropolymer Finish (Duranar), Add	*32.24*	
		For Clear Anodized Finish, Add	*26.87*	
		For Color Anodized Finish, Add	*37.62*	
08 51 13 00-0166	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	743.18	79.90
		For Installation In Concrete Or Masonry, Add	*41.88*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*12.20*	
		For 70% Fluoropolymer Finish (Duranar), Add	*36.60*	
		For Clear Anodized Finish, Add	*30.50*	
		For Color Anodized Finish, Add	*42.70*	
08 51 13 00-0167	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	836.42	84.60
		For Installation In Concrete Or Masonry, Add	*45.59*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*13.91*	
		For 70% Fluoropolymer Finish (Duranar), Add	*41.73*	
		For Clear Anodized Finish, Add	*34.77*	
		For Color Anodized Finish, Add	*48.68*	
08 51 13 00-0168	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	50.98	2.82
		For Installation In Concrete Or Masonry, Add	*2.10*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.93*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.78*	
		For Clear Anodized Finish, Add	*2.31*	
		For Color Anodized Finish, Add	*3.24*	

08 51 13 00-0169 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600) *(08 51 13 00-0153)*

08 51 13 00-0170	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	659.17	75.20
		For Installation In Concrete Or Masonry, Add	*38.41*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*10.68*	
		For 70% Fluoropolymer Finish (Duranar), Add	*32.03*	
		For Clear Anodized Finish, Add	*26.69*	
		For Color Anodized Finish, Add	*37.37*	
08 51 13 00-0171	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	739.06	79.90
		For Installation In Concrete Or Masonry, Add	*41.78*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*12.12*	
		For 70% Fluoropolymer Finish (Duranar), Add	*36.35*	
		For Clear Anodized Finish, Add	*30.30*	
		For Color Anodized Finish, Add	*42.41*	
08 51 13 00-0172	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	831.62	84.60
		For Installation In Concrete Or Masonry, Add	*45.47*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*13.81*	
		For 70% Fluoropolymer Finish (Duranar), Add	*41.44*	
		For Clear Anodized Finish, Add	*34.53*	
		For Color Anodized Finish, Add	*48.34*	
08 51 13 00-0173	SF	>15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	50.74	2.82
		For Installation In Concrete Or Masonry, Add	*2.09*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.92*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.76*	
		For Clear Anodized Finish, Add	*2.30*	
		For Color Anodized Finish, Add	*3.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0174		4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750) *(08 51 13 00-0153)*		
08 51 13 00-0175	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	713.94	75.20
		For Installation In Concrete Or Masonry, Add	*39.78*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*11.77*	
		For 70% Fluoropolymer Finish (Duranar), Add	*35.32*	
		For Clear Anodized Finish, Add	*29.43*	
		For Color Anodized Finish, Add	*41.20*	
08 51 13 00-0176	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	802.87	79.90
		For Installation In Concrete Or Masonry, Add	*43.37*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*13.39*	
		For 70% Fluoropolymer Finish (Duranar), Add	*40.18*	
		For Clear Anodized Finish, Add	*33.49*	
		For Color Anodized Finish, Add	*46.88*	
08 51 13 00-0177	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	905.96	84.60
		For Installation In Concrete Or Masonry, Add	*47.32*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*15.30*	
		For 70% Fluoropolymer Finish (Duranar), Add	*45.90*	
		For Clear Anodized Finish, Add	*38.25*	
		For Color Anodized Finish, Add	*53.55*	
08 51 13 00-0178	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	55.66	2.82
		For Installation In Concrete Or Masonry, Add	*2.21*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.02*	
		For 70% Fluoropolymer Finish (Duranar), Add	*3.06*	
		For Clear Anodized Finish, Add	*2.55*	
		For Color Anodized Finish, Add	*3.57*	
08 51 13 00-0179		Casement Aluminum Windows *(08 51 13 00-0001)*		
08 51 13 00-0180		Single Vent, Casement Aluminum Windows *(08 51 13 00-0179)*		
08 51 13 00-0181		2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220) *(08 51 13 00-0180)*		
08 51 13 00-0182	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	387.07	75.20
		For Installation In Concrete Or Masonry, Add	*31.61*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*5.23*	
		For 70% Fluoropolymer Finish (Duranar), Add	*15.70*	
		For Clear Anodized Finish, Add	*13.09*	
		For Color Anodized Finish, Add	*18.32*	
08 51 13 00-0183	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	422.07	79.90
		For Installation In Concrete Or Masonry, Add	*33.85*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*5.78*	
		For 70% Fluoropolymer Finish (Duranar), Add	*17.33*	
		For Clear Anodized Finish, Add	*14.45*	
		For Color Anodized Finish, Add	*20.22*	
08 51 13 00-0184	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	462.33	84.60
		For Installation In Concrete Or Masonry, Add	*36.23*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*6.43*	
		For 70% Fluoropolymer Finish (Duranar), Add	*19.28*	
		For Clear Anodized Finish, Add	*16.07*	
		For Color Anodized Finish, Add	*22.49*	
08 51 13 00-0185	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	26.13	2.82
		For Installation In Concrete Or Masonry, Add	*1.48*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.43*	
		For 70% Fluoropolymer Finish (Duranar), Add	*1.29*	
		For Clear Anodized Finish, Add	*1.07*	
		For Color Anodized Finish, Add	*1.50*	
08 51 13 00-0186		2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200) *(08 51 13 00-0180)*		
08 51 13 00-0187	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	547.86	75.20
		For Installation In Concrete Or Masonry, Add	*35.63*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*8.45*	
		For 70% Fluoropolymer Finish (Duranar), Add	*25.35*	
		For Clear Anodized Finish, Add	*21.13*	
		For Color Anodized Finish, Add	*29.58*	
08 51 13 00-0188	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	609.38	79.90
		For Installation In Concrete Or Masonry, Add	*38.54*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*9.52*	
		For 70% Fluoropolymer Finish (Duranar), Add	*28.57*	
		For Clear Anodized Finish, Add	*23.81*	
		For Color Anodized Finish, Add	*33.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0189	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	680.55	84.60
		For Installation In Concrete Or Masonry, Add	*41.69*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*10.79*	
		For 70% Fluoropolymer Finish (Duranar), Add	*32.37*	
		For Clear Anodized Finish, Add	*26.98*	
		For Color Anodized Finish, Add	*37.77*	
08 51 13 00-0190	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	40.67	2.82
		For Installation In Concrete Or Masonry, Add	*1.84*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.72*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.16*	
		For Clear Anodized Finish, Add	*1.80*	
		For Color Anodized Finish, Add	*2.52*	

08 51 13 00-0191 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200) *(08 51 13 00-0180)*

08 51 13 00-0192	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	550.51	75.20
		For Installation In Concrete Or Masonry, Add	*35.70*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*8.50*	
		For 70% Fluoropolymer Finish (Duranar), Add	*25.51*	
		For Clear Anodized Finish, Add	*21.26*	
		For Color Anodized Finish, Add	*29.76*	
08 51 13 00-0193	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	612.47	79.90
		For Installation In Concrete Or Masonry, Add	*38.61*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*9.59*	
		For 70% Fluoropolymer Finish (Duranar), Add	*28.76*	
		For Clear Anodized Finish, Add	*23.97*	
		For Color Anodized Finish, Add	*33.55*	
08 51 13 00-0194	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	684.15	84.60
		For Installation In Concrete Or Masonry, Add	*41.78*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*10.86*	
		For 70% Fluoropolymer Finish (Duranar), Add	*32.59*	
		For Clear Anodized Finish, Add	*27.16*	
		For Color Anodized Finish, Add	*38.02*	
08 51 13 00-0195	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	40.91	2.82
		For Installation In Concrete Or Masonry, Add	*1.85*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.72*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.17*	
		For Clear Anodized Finish, Add	*1.81*	
		For Color Anodized Finish, Add	*2.53*	

08 51 13 00-0196 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720) *(08 51 13 00-0180)*

08 51 13 00-0197	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)	577.89	75.20
		For Installation In Concrete Or Masonry, Add	*36.38*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*9.05*	
		For 70% Fluoropolymer Finish (Duranar), Add	*27.15*	
		For Clear Anodized Finish, Add	*22.63*	
		For Color Anodized Finish, Add	*31.68*	
08 51 13 00-0198	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)	644.38	79.90
		For Installation In Concrete Or Masonry, Add	*39.41*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*10.22*	
		For 70% Fluoropolymer Finish (Duranar), Add	*30.67*	
		For Clear Anodized Finish, Add	*25.56*	
		For Color Anodized Finish, Add	*35.79*	
08 51 13 00-0199	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)	721.32	84.60
		For Installation In Concrete Or Masonry, Add	*42.71*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*11.61*	
		For 70% Fluoropolymer Finish (Duranar), Add	*34.82*	
		For Clear Anodized Finish, Add	*29.02*	
		For Color Anodized Finish, Add	*40.62*	
08 51 13 00-0200	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)	43.39	2.82
		For Installation In Concrete Or Masonry, Add	*1.91*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.77*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.32*	
		For Clear Anodized Finish, Add	*1.93*	
		For Color Anodized Finish, Add	*2.71*	

08 51 13 00-0201 Fixed Over Vent, Casement Aluminum Windows *(08 51 13 00-0179)*

08 51 13 00-0202 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220) *(08 51 13 00-0201)*

08 51 13 00-0203	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	435.66	75.20
		For Installation In Concrete Or Masonry, Add	*32.82*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*6.21*	
		For 70% Fluoropolymer Finish (Duranar), Add	*18.62*	
		For Clear Anodized Finish, Add	*15.52*	
		For Color Anodized Finish, Add	*21.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0204	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	478.68	79.90
		For Installation In Concrete Or Masonry, Add	*35.27*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*6.91*	
		For 70% Fluoropolymer Finish (Duranar), Add	*20.73*	
		For Clear Anodized Finish, Add	*17.28*	
		For Color Anodized Finish, Add	*24.19*	
08 51 13 00-0205	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	528.28	84.60
		For Installation In Concrete Or Masonry, Add	*37.88*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*7.75*	
		For 70% Fluoropolymer Finish (Duranar), Add	*23.24*	
		For Clear Anodized Finish, Add	*19.36*	
		For Color Anodized Finish, Add	*27.11*	
08 51 13 00-0206	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	30.51	2.82
		For Installation In Concrete Or Masonry, Add	*1.59*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.52*	
		For 70% Fluoropolymer Finish (Duranar), Add	*1.55*	
		For Clear Anodized Finish, Add	*1.29*	
		For Color Anodized Finish, Add	*1.81*	

08 51 13 00-0207 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200) *(08 51 13 00-0201)*

08 51 13 00-0208	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	596.44	75.20
		For Installation In Concrete Or Masonry, Add	*36.84*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*9.42*	
		For 70% Fluoropolymer Finish (Duranar), Add	*28.27*	
		For Clear Anodized Finish, Add	*23.56*	
		For Color Anodized Finish, Add	*32.98*	
08 51 13 00-0209	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	665.98	79.90
		For Installation In Concrete Or Masonry, Add	*39.95*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*10.66*	
		For 70% Fluoropolymer Finish (Duranar), Add	*31.97*	
		For Clear Anodized Finish, Add	*26.64*	
		For Color Anodized Finish, Add	*37.30*	
08 51 13 00-0210	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	746.50	84.60
		For Installation In Concrete Or Masonry, Add	*43.34*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*12.11*	
		For 70% Fluoropolymer Finish (Duranar), Add	*36.33*	
		For Clear Anodized Finish, Add	*30.28*	
		For Color Anodized Finish, Add	*42.39*	
08 51 13 00-0211	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	45.07	2.82
		For Installation In Concrete Or Masonry, Add	*1.95*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.81*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.42*	
		For Clear Anodized Finish, Add	*2.02*	
		For Color Anodized Finish, Add	*2.83*	

08 51 13 00-0212 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200) *(08 51 13 00-0201)*

08 51 13 00-0213	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	655.64	75.20
		For Installation In Concrete Or Masonry, Add	*38.32*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*10.61*	
		For 70% Fluoropolymer Finish (Duranar), Add	*31.82*	
		For Clear Anodized Finish, Add	*26.52*	
		For Color Anodized Finish, Add	*37.12*	
08 51 13 00-0214	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	734.95	79.90
		For Installation In Concrete Or Masonry, Add	*41.68*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*12.04*	
		For 70% Fluoropolymer Finish (Duranar), Add	*36.11*	
		For Clear Anodized Finish, Add	*30.09*	
		For Color Anodized Finish, Add	*42.13*	
08 51 13 00-0215	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	826.83	84.60
		For Installation In Concrete Or Masonry, Add	*45.35*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*13.72*	
		For 70% Fluoropolymer Finish (Duranar), Add	*41.15*	
		For Clear Anodized Finish, Add	*34.29*	
		For Color Anodized Finish, Add	*48.01*	
08 51 13 00-0216	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	50.42	2.82
		For Installation In Concrete Or Masonry, Add	*2.08*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.91*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.74*	
		For Clear Anodized Finish, Add	*2.29*	
		For Color Anodized Finish, Add	*3.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0217		4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720) *(08 51 13 00-0201)*		
08 51 13 00-0218	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	709.52	75.20
		For Installation In Concrete Or Masonry, Add	*39.67*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*11.68*	
		For 70% Fluoropolymer Finish (Duranar), Add	*35.05*	
		For Clear Anodized Finish, Add	*29.21*	
		For Color Anodized Finish, Add	*40.89*	
08 51 13 00-0219	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	797.73	79.90
		For Installation In Concrete Or Masonry, Add	*43.25*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*13.29*	
		For 70% Fluoropolymer Finish (Duranar), Add	*39.87*	
		For Clear Anodized Finish, Add	*33.23*	
		For Color Anodized Finish, Add	*46.52*	
08 51 13 00-0220	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	899.97	84.60
		For Installation In Concrete Or Masonry, Add	*47.17*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*15.18*	
		For 70% Fluoropolymer Finish (Duranar), Add	*45.54*	
		For Clear Anodized Finish, Add	*37.95*	
		For Color Anodized Finish, Add	*53.13*	
08 51 13 00-0221	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	55.30	2.82
		For Installation In Concrete Or Masonry, Add	*2.21*	
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.01*	
		For 70% Fluoropolymer Finish (Duranar), Add	*3.04*	
		For Clear Anodized Finish, Add	*2.53*	
		For Color Anodized Finish, Add	*3.54*	
08 51 13 00-0222		Aluminum Window Accessories *(08 51 13)*		
08 51 13 00-0223		Aluminum Window Mullions *(08 51 13 00-0222)*		
08 51 13 00-0224	LF	Integral Mullions For Aluminum Windows	14.15	3.52
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.15*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.46*	
		For Clear Anodized Finish, Add	*0.38*	
		For Color Anodized Finish, Add	*0.53*	
08 51 13 00-0225		Aluminum Window Panning *(08 51 13 00-0222)* Note: Panning price is determined by window size. For windows greater than 30 square feet multiply window square footage by square foot price.		
08 51 13 00-0226	EA	Up To 6 SF Window, Aluminum Window Panning	139.23	29.26
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.81*	
		For 70% Fluoropolymer Finish (Duranar), Add	*5.43*	
		For Clear Anodized Finish, Add	*4.52*	
		For Color Anodized Finish, Add	*6.33*	
08 51 13 00-0227	EA	>6 To 10 SF Window, Aluminum Window Panning	197.89	48.76
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.33*	
		For 70% Fluoropolymer Finish (Duranar), Add	*7.00*	
		For Clear Anodized Finish, Add	*5.83*	
		For Color Anodized Finish, Add	*8.16*	
08 51 13 00-0228	EA	>10 To 15 SF Window, Aluminum Window Panning	249.43	73.13
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.55*	
		For 70% Fluoropolymer Finish (Duranar), Add	*7.65*	
		For Clear Anodized Finish, Add	*6.38*	
		For Color Anodized Finish, Add	*8.93*	
08 51 13 00-0229	EA	>15 To 20 SF Window, Aluminum Window Panning	303.14	97.52
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.81*	
		For 70% Fluoropolymer Finish (Duranar), Add	*8.44*	
		For Clear Anodized Finish, Add	*7.03*	
		For Color Anodized Finish, Add	*9.84*	
08 51 13 00-0230	EA	>20 To 30 SF Window, Aluminum Window Panning	409.47	146.28
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.31*	
		For 70% Fluoropolymer Finish (Duranar), Add	*9.94*	
		For Clear Anodized Finish, Add	*8.28*	
		For Color Anodized Finish, Add	*11.60*	
08 51 13 00-0231	SF	>30 SF Window, Aluminum Window Panning	15.34	6.10
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.10*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.31*	
		For Clear Anodized Finish, Add	*0.26*	
		For Color Anodized Finish, Add	*0.36*	
08 51 13 00-0232		Aluminum Window Muntins, Grilles Or Dividers *(08 51 13 00-0222)*		
08 51 13 00-0233	SF	Applied (Per Side) Muntins Grilles Or Dividers For Aluminum Windows	5.19	3.52
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.01*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.03*	
		For Clear Anodized Finish, Add	*0.02*	
		For Color Anodized Finish, Add	*0.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0234	SF	Internal Only (Between Glass) Muntins, Grilles Or Dividers For Aluminum Windows	6.61	3.52
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.04*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.11*	
		For Clear Anodized Finish, Add	*0.10*	
		For Color Anodized Finish, Add	*0.13*	
08 51 13 00-0235	SF	Simulated Divided Lite Muntins Grilles Or Dividers For Aluminum Windows	14.47	3.52
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.05*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.16*	
		For Clear Anodized Finish, Add	*0.14*	
		For Color Anodized Finish, Add	*0.19*	
08 51 13 00-0236	SF	True Divided Lite Muntins Grilles Or Dividers For Aluminum Windows	17.14	3.52
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.08*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.23*	
		For Clear Anodized Finish, Add	*0.19*	
		For Color Anodized Finish, Add	*0.27*	

08 51 13 00-0237 Other Aluminum Window Accessories *(08 51 13 00-0222)*

08 51 13 00-0238	EA	Roto Operator For Casement Aluminum Windows	101.77	15.66
08 51 13 00-0239	EA	Head And Sill Automatic Locks For Hung Aluminum Windows	53.81	15.66

08 51 13 00-0240 Aluminum Window Insect Screens *(08 51 13 00-0222)*

Note: Includes aluminum frames.

08 51 13 00-0241	SF	<10 SF Area Including Aluminum Frame, Insect Screens For Aluminum Windows	4.58	1.18
08 51 13 00-0242	SF	>10 SF Area Including Aluminum Frame, Insect Screens For Aluminum Windows	3.16	0.94
08 51 13 00-0243	SF	Repair Screen Window	3.83	

08 51 19 Stainless-Steel Windows *(08 51)*

See CSI section 08 80 00 00-0000 for glazing.

08 51 19 00-0001 Stainless Steel Windows Types *(08 51 19)*

08 51 19 00-0002	SF	Stainless Steel Window Casements, 100% Vented Operable, Factory Primed	65.27	4.70
		For Heavy Commercial Grade (HC-40), Add	*27.02*	
		For Non Stock Custom Sizes, Add	*5.74*	
		For Installation In Concrete Or Masonry, Add	*3.00*	
08 51 19 00-0003	SF	Stainless Steel Window Casements, 50% Vented Operable, Factory Primed	57.84	4.70
		For Heavy Commercial Grade (HC-40), Add	*23.68*	
		For Non Stock Custom Sizes, Add	*5.00*	
		For Installation In Concrete Or Masonry, Add	*2.82*	
08 51 19 00-0004	SF	Stainless Steel Window Casements, Fixed Sash, Factory Primed	41.69	4.70
		For Heavy Commercial Grade (HC-40), Add	*16.41*	
		For Non Stock Custom Sizes, Add	*3.39*	
		For Installation In Concrete Or Masonry, Add	*2.41*	
08 51 19 00-0005	SF	Stainless Steel Window, Fixed Sash	46.37	4.70
		For Heavy Commercial Grade (HC-40), Add	*18.52*	
		For Non Stock Custom Sizes, Add	*3.85*	
		For Installation In Concrete Or Masonry, Add	*2.53*	
08 51 19 00-0006	SF	Stainless Steel Window With Horizontal Pivot Sash	79.75	4.70
		For Heavy Commercial Grade (HC-40), Add	*33.54*	
		For Non Stock Custom Sizes, Add	*7.19*	
		For Installation In Concrete Or Masonry, Add	*3.36*	
08 51 19 00-0007	SF	Commercial Projected Sash Window - 40% Vented Stainless Steel	83.53	4.70
		For Heavy Commercial Grade (HC-40), Add	*35.24*	
		For Non Stock Custom Sizes, Add	*7.57*	
		For Installation In Concrete Or Masonry, Add	*3.46*	
08 51 19 00-0008	SF	Intermediate Projected Sash Window - 40% Vented Stainless Steel	92.51	4.70
		For Heavy Commercial Grade (HC-40), Add	*39.28*	
		For Non Stock Custom Sizes, Add	*8.47*	
		For Installation In Concrete Or Masonry, Add	*3.68*	
08 51 19 00-0009	SF	Double Hung Stainless Steel Window Sash	101.46	4.70
		For Heavy Commercial Grade (HC-40), Add	*43.31*	
		For Non Stock Custom Sizes, Add	*9.36*	
		For Installation In Concrete Or Masonry, Add	*3.91*	
08 51 19 00-0010	SF	Single Hung Stainless Steel Window Sash	70.97	4.70
		For Heavy Commercial Grade (HC-40), Add	*29.59*	
		For Non Stock Custom Sizes, Add	*6.31*	
		For Installation In Concrete Or Masonry, Add	*3.14*	
08 51 19 00-0011	SF	Stainless Steel Picture Window Sash	58.85	4.70
		For Heavy Commercial Grade (HC-40), Add	*24.13*	
		For Non Stock Custom Sizes, Add	*5.10*	
		For Installation In Concrete Or Masonry, Add	*2.84*	
08 51 19 00-0012	SF	Sliding Stainless Steel Window	104.75	4.70
		For Heavy Commercial Grade (HC-40), Add	*44.79*	
		For Non Stock Custom Sizes, Add	*9.69*	
		For Installation In Concrete Or Masonry, Add	*3.99*	

08 51 23 Steel Windows *(08 51)*

Note: All sashes are factory primed. See CSI section 08 80 00 00-0000 for glazing.

08 51 23 00-0001 Steel Windows *(08 51 23)*

08 51 23 00-0002 Industrial *(08 51 23 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 23 00-0003	SF	Industrial Steel Window With Horizontal Pivot Sash	50.49	4.70
		For Heavy Commercial Grade (HC-40), Add	*20.37*	
		For Non Stock Custom Sizes, Add	*4.27*	
		For Double Glazing Sash, Add	*26.07*	
		For Bonderized Finish, Add	*16.21*	
		For Installation In Concrete Or Masonry, Add	*2.63*	
08 51 23 00-0004	SF	Industrial Steel Window, Fixed Sash	45.02	4.70
		For Heavy Commercial Grade (HC-40), Add	*17.91*	
		For Non Stock Custom Sizes, Add	*3.72*	
		For Double Glazing Sash, Add	*22.78*	
		For Bonderized Finish, Add	*14.13*	
		For Installation In Concrete Or Masonry, Add	*2.50*	
08 51 23 00-0005	SF	Industrial Steel Window, Operable Security Sash	72.91	4.70
		For Heavy Commercial Grade (HC-40), Add	*30.46*	
		For Non Stock Custom Sizes, Add	*6.51*	
		For Double Glazing Sash, Add	*39.52*	
		For Bonderized Finish, Add	*24.73*	
		For Installation In Concrete Or Masonry, Add	*3.19*	
08 51 23 00-0006	SF	Industrial Steel Window, Fixed Security Sash	61.97	4.70
		For Heavy Commercial Grade (HC-40), Add	*25.54*	
		For Non Stock Custom Sizes, Add	*5.41*	
		For Double Glazing Sash, Add	*32.95*	
		For Bonderized Finish, Add	*20.57*	
		For Installation In Concrete Or Masonry, Add	*2.92*	

08 51 23 00-0007 Projected Sash *(08 51 23 00-0001)*

08 51 23 00-0008	SF	Commercial Projected Sash Window - 40% Vented Steel	58.64	4.70
		For Heavy Commercial Grade (HC-40), Add	*24.04*	
		For Non Stock Custom Sizes, Add	*5.08*	
		For Double Glazing Sash, Add	*30.96*	
		For Bonderized Finish, Add	*19.31*	
		For Installation In Concrete Or Masonry, Add	*2.84*	
08 51 23 00-0009	SF	Intermediate Projected Sash Window - 40% Vented Steel	64.65	4.70
		For Heavy Commercial Grade (HC-40), Add	*26.74*	
		For Non Stock Custom Sizes, Add	*5.68*	
		For Double Glazing Sash, Add	*34.56*	
		For Bonderized Finish, Add	*21.59*	
		For Installation In Concrete Or Masonry, Add	*2.99*	

08 51 23 00-0010 Other Type Sash *(08 51 23 00-0001)*

08 51 23 00-0011	SF	Double Hung Steel Window Sash	75.27	4.70
		For Heavy Commercial Grade (HC-40), Add	*31.52*	
		For Non Stock Custom Sizes, Add	*6.74*	
		For Double Glazing Sash, Add	*40.93*	
		For Bonderized Finish, Add	*25.63*	
		For Installation In Concrete Or Masonry, Add	*3.25*	
08 51 23 00-0012	SF	Steel Picture Window Sash	32.45	4.70
		For Heavy Commercial Grade (HC-40), Add	*12.25*	
		For Non Stock Custom Sizes, Add	*2.46*	
		For Double Glazing Sash, Add	*15.24*	
		For Bonderized Finish, Add	*9.36*	
		For Installation In Concrete Or Masonry, Add	*2.18*	
08 51 23 00-0013	SF	Fire Rated Double Hung Steel Window Sash	77.64	5.88
		For Heavy Commercial Grade (HC-40), Add	*32.59*	
		For Non Stock Custom Sizes, Add	*6.98*	
		For Double Glazing Sash, Add	*42.36*	
		For Bonderized Finish, Add	*26.53*	
		For Installation In Concrete Or Masonry, Add	*3.31*	
08 51 23 00-0014	SF	Single Hung Steel Window Sash	53.31	4.70
		For Heavy Commercial Grade (HC-40), Add	*21.64*	
		For Non Stock Custom Sizes, Add	*4.55*	
		For Double Glazing Sash, Add	*27.76*	
		For Bonderized Finish, Add	*17.28*	
		For Installation In Concrete Or Masonry, Add	*2.70*	

08 51 23 00-0015 Casements *(08 51 23 00-0001)*

08 51 23 00-0016	SF	Steel Window Casements, 100% Vented Operable, Factory Primed	67.50	2.35
		For Double Glazing Sash, Add	*36.27*	
		For Bonderized Finish, Add	*22.67*	
		For Heavy Commercial Grade (HC-40), Add	*28.03*	
		For Non Stock Custom Sizes, Add	*5.97*	
		For Installation In Concrete Or Masonry, Add	*3.06*	
08 51 23 00-0017	SF	Steel Window Casements, 50% Vented Operable, Factory Primed	58.40	2.35
		For Double Glazing Sash, Add	*30.81*	
		For Bonderized Finish, Add	*19.22*	
		For Heavy Commercial Grade (HC-40), Add	*23.93*	
		For Non Stock Custom Sizes, Add	*5.06*	
		For Installation In Concrete Or Masonry, Add	*2.83*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 23 00-0018	SF	Steel Window Casements, Fixed Sash, Factory Primed	41.25	3.52
		For Double Glazing Sash, Add	*20.52*	
		For Bonderized Finish, Add	*12.70*	
		For Heavy Commercial Grade (HC-40), Add	*16.21*	
		For Non Stock Custom Sizes, Add	*3.34*	
		For Installation In Concrete Or Masonry, Add	*2.40*	
08 51 23 00-0019		Mullions *(08 51 23 00-0001)*		
08 51 23 00-0020	LF	Open Faced Steel Mullion	24.53	3.52
08 51 23 00-0021	LF	Covered Steel Mullions	41.72	3.52
08 51 23 00-0022		Removal And Reinstallation Of Metal Window And Frame *(08 51 23)*		
		Note: Steel or aluminum frame. Includes storage, cleaning and supply materials, caulk and sealants.		
08 51 23 00-0023	SF	Remove And Reinstall Metal Window And Frame	12.28	

08 51 69 Metal Storm Windows *(08 51)*

08 51 69 00-0001		Storm Windows *(08 51 69)*		
08 51 69 00-0002	SF	Double Hung, Aluminum, Combination Storm And Screen	14.44	2.35
		For Installation In Concrete Or Masonry, Add	*0.91*	

08 52 Wood Windows *(08 50)*

08 52 16 Plastic-Clad Wood Windows *(08 52)*

08 52 16 00-0001		Double Hung Wood Clad Windows *(08 52 16)*		
08 52 16 00-0002		Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0001)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0003		35-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0002)*		
08 52 16 00-0004	EA	23-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	232.02	36.03
		For Low-E Insulated Glass, Add	*19.19*	
		For Tempered Clear Insulated Glass, Add	*31.99*	
08 52 16 00-0005	EA	27-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	245.53	37.60
		For Low-E Insulated Glass, Add	*20.44*	
		For Tempered Clear Insulated Glass, Add	*34.07*	
08 52 16 00-0006	EA	31-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	258.17	39.17
		For Low-E Insulated Glass, Add	*21.58*	
		For Tempered Clear Insulated Glass, Add	*35.97*	
08 52 16 00-0007	EA	35-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	270.81	40.74
		For Low-E Insulated Glass, Add	*22.72*	
		For Tempered Clear Insulated Glass, Add	*37.87*	
08 52 16 00-0008		41-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0002)*		
08 52 16 00-0009	EA	23-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	251.42	38.38
		For Low-E Insulated Glass, Add	*20.96*	
		For Tempered Clear Insulated Glass, Add	*34.93*	
08 52 16 00-0010	EA	27-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	264.92	39.95
		For Low-E Insulated Glass, Add	*22.20*	
		For Tempered Clear Insulated Glass, Add	*37.00*	
08 52 16 00-0011	EA	31-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	277.57	41.52
		For Low-E Insulated Glass, Add	*23.34*	
		For Tempered Clear Insulated Glass, Add	*38.91*	
08 52 16 00-0012	EA	35-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	290.22	43.08
		For Low-E Insulated Glass, Add	*24.49*	
		For Tempered Clear Insulated Glass, Add	*40.81*	
08 52 16 00-0013		47-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0002)*		
08 52 16 00-0014	EA	23-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	270.81	40.74
		For Low-E Insulated Glass, Add	*22.72*	
		For Tempered Clear Insulated Glass, Add	*37.87*	
08 52 16 00-0015	EA	27-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	283.46	42.30
		For Low-E Insulated Glass, Add	*23.86*	
		For Tempered Clear Insulated Glass, Add	*39.77*	
08 52 16 00-0016	EA	31-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	296.97	43.87
		For Low-E Insulated Glass, Add	*25.11*	
		For Tempered Clear Insulated Glass, Add	*41.85*	
08 52 16 00-0017	EA	35-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	309.61	45.44
		For Low-E Insulated Glass, Add	*26.25*	
		For Tempered Clear Insulated Glass, Add	*43.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 52 16 00-0018 53-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0002)*

08 52 16 00-0019	EA	23-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	290.22	43.08
		For Low-E Insulated Glass, Add	*24.49*	
		For Tempered Clear Insulated Glass, Add	*40.81*	
08 52 16 00-0020	EA	27-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	302.86	44.65
		For Low-E Insulated Glass, Add	*25.63*	
		For Tempered Clear Insulated Glass, Add	*42.71*	
08 52 16 00-0021	EA	31-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	315.51	46.21
		For Low-E Insulated Glass, Add	*26.77*	
		For Tempered Clear Insulated Glass, Add	*44.61*	
08 52 16 00-0022	EA	35-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	329.01	47.78
		For Low-E Insulated Glass, Add	*28.01*	
		For Tempered Clear Insulated Glass, Add	*46.69*	

08 52 16 00-0023 56-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0002)*

08 52 16 00-0024	EA	19-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	286.83	43.08
		For Low-E Insulated Glass, Add	*24.17*	
		For Tempered Clear Insulated Glass, Add	*40.29*	
08 52 16 00-0025	EA	23-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	299.48	44.26
		For Low-E Insulated Glass, Add	*25.32*	
		For Tempered Clear Insulated Glass, Add	*42.19*	
08 52 16 00-0026	EA	27-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	312.99	46.21
		For Low-E Insulated Glass, Add	*26.56*	
		For Tempered Clear Insulated Glass, Add	*44.27*	
08 52 16 00-0027	EA	31-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	325.63	47.78
		For Low-E Insulated Glass, Add	*27.70*	
		For Tempered Clear Insulated Glass, Add	*46.17*	
08 52 16 00-0028	EA	35-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	338.28	49.36
		For Low-E Insulated Glass, Add	*28.84*	
		For Tempered Clear Insulated Glass, Add	*48.07*	
08 52 16 00-0029	EA	39-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	350.92	50.92
		For Low-E Insulated Glass, Add	*29.98*	
		For Tempered Clear Insulated Glass, Add	*49.97*	

08 52 16 00-0030 59-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0002)*

08 52 16 00-0031	EA	19-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	296.97	43.87
		For Low-E Insulated Glass, Add	*25.11*	
		For Tempered Clear Insulated Glass, Add	*41.85*	
08 52 16 00-0032	EA	23-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	309.61	45.44
		For Low-E Insulated Glass, Add	*26.25*	
		For Tempered Clear Insulated Glass, Add	*43.75*	
08 52 16 00-0033	EA	27-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	322.25	47.00
		For Low-E Insulated Glass, Add	*27.39*	
		For Tempered Clear Insulated Glass, Add	*45.65*	
08 52 16 00-0034	EA	31-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	334.89	48.57
		For Low-E Insulated Glass, Add	*28.53*	
		For Tempered Clear Insulated Glass, Add	*47.55*	
08 52 16 00-0035	EA	35-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	347.55	50.13
		For Low-E Insulated Glass, Add	*29.67*	
		For Tempered Clear Insulated Glass, Add	*49.46*	
08 52 16 00-0036	EA	39-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	361.05	51.70
		For Low-E Insulated Glass, Add	*30.92*	
		For Tempered Clear Insulated Glass, Add	*51.53*	

08 52 16 00-0037 65-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0002)*

08 52 16 00-0038	EA	23-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	329.01	47.78
		For Low-E Insulated Glass, Add	*28.01*	
		For Tempered Clear Insulated Glass, Add	*46.69*	
08 52 16 00-0039	EA	27-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	341.65	49.36
		For Low-E Insulated Glass, Add	*29.15*	
		For Tempered Clear Insulated Glass, Add	*48.59*	
08 52 16 00-0040	EA	31-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	354.29	50.92
		For Low-E Insulated Glass, Add	*30.30*	
		For Tempered Clear Insulated Glass, Add	*50.49*	
08 52 16 00-0041	EA	35-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	366.93	52.49
		For Low-E Insulated Glass, Add	*31.44*	
		For Tempered Clear Insulated Glass, Add	*52.39*	

08 52 16 00-0042 71-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0002)*

08 52 16 00-0043	EA	23-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	347.55	50.13
		For Low-E Insulated Glass, Add	*29.67*	
		For Tempered Clear Insulated Glass, Add	*49.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0044	EA	27-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	361.05	51.70
		For Low-E Insulated Glass, Add	*30.92*	
		For Tempered Clear Insulated Glass, Add	*51.53*	
08 52 16 00-0045	EA	31-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	373.69	53.27
		For Low-E Insulated Glass, Add	*32.06*	
		For Tempered Clear Insulated Glass, Add	*53.43*	
08 52 16 00-0046	EA	35-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	386.34	54.83
		For Low-E Insulated Glass, Add	*33.20*	
		For Tempered Clear Insulated Glass, Add	*55.33*	

08 52 16 00-0047 Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0001)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.

08 52 16 00-0048 36-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0049	EA	21-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	283.11	36.03
		For Tempered Low-E Insulated Glass, Add	*42.37*	
08 52 16 00-0050	EA	25-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	300.08	37.21
		For Tempered Low-E Insulated Glass, Add	*45.13*	
08 52 16 00-0051	EA	29-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	317.91	38.77
		For Tempered Low-E Insulated Glass, Add	*48.07*	
08 52 16 00-0052	EA	31-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	327.26	39.95
		For Tempered Low-E Insulated Glass, Add	*49.63*	
08 52 16 00-0053	EA	33-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	335.75	40.74
		For Tempered Low-E Insulated Glass, Add	*51.01*	
08 52 16 00-0054	EA	35-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	344.22	41.52
		For Tempered Low-E Insulated Glass, Add	*52.39*	
08 52 16 00-0055	EA	37-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	353.58	41.90
		For Tempered Low-E Insulated Glass, Add	*53.95*	
08 52 16 00-0056	EA	41-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	370.54	43.48
		For Tempered Low-E Insulated Glass, Add	*56.72*	
08 52 16 00-0057	EA	45-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	388.37	45.05
		For Tempered Low-E Insulated Glass, Add	*59.66*	

08 52 16 00-0058 40-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0059	EA	21-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	300.08	37.60
		For Tempered Low-E Insulated Glass, Add	*45.13*	
08 52 16 00-0060	EA	25-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	317.91	38.77
		For Tempered Low-E Insulated Glass, Add	*48.07*	
08 52 16 00-0061	EA	29-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	335.75	40.34
		For Tempered Low-E Insulated Glass, Add	*51.01*	
08 52 16 00-0062	EA	31-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	344.22	41.52
		For Tempered Low-E Insulated Glass, Add	*52.39*	
08 52 16 00-0063	EA	33-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	353.58	42.30
		For Tempered Low-E Insulated Glass, Add	*53.95*	
08 52 16 00-0064	EA	35-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	362.05	43.08
		For Tempered Low-E Insulated Glass, Add	*55.33*	
08 52 16 00-0065	EA	37-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	370.54	43.48
		For Tempered Low-E Insulated Glass, Add	*56.72*	
08 52 16 00-0066	EA	41-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	388.37	45.05
		For Tempered Low-E Insulated Glass, Add	*59.66*	
08 52 16 00-0067	EA	45-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	406.20	46.61
		For Tempered Low-E Insulated Glass, Add	*62.60*	

08 52 16 00-0068 44-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0069	EA	21-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	317.91	39.17
		For Tempered Low-E Insulated Glass, Add	*48.07*	
08 52 16 00-0070	EA	25-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	335.75	40.34
		For Tempered Low-E Insulated Glass, Add	*51.01*	
08 52 16 00-0071	EA	29-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	353.58	41.90
		For Tempered Low-E Insulated Glass, Add	*53.95*	
08 52 16 00-0072	EA	31-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	362.05	43.08
		For Tempered Low-E Insulated Glass, Add	*55.33*	
08 52 16 00-0073	EA	33-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	370.54	43.87
		For Tempered Low-E Insulated Glass, Add	*56.72*	
08 52 16 00-0074	EA	35-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	379.89	44.65
		For Tempered Low-E Insulated Glass, Add	*58.27*	
08 52 16 00-0075	EA	37-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	388.37	45.05
		For Tempered Low-E Insulated Glass, Add	*59.66*	
08 52 16 00-0076	EA	41-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	406.20	46.61
		For Tempered Low-E Insulated Glass, Add	*62.60*	
08 52 16 00-0077	EA	45-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	424.03	48.18
		For Tempered Low-E Insulated Glass, Add	*65.54*	

08 52 16 00-0078 48-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0079	EA	21-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	335.75	40.74
		For Tempered Low-E Insulated Glass, Add	*51.01*	
08 52 16 00-0080	EA	25-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	353.58	41.90
		For Tempered Low-E Insulated Glass, Add	*53.95*	
08 52 16 00-0081	EA	29-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	370.54	43.48
		For Tempered Low-E Insulated Glass, Add	*56.72*	
08 52 16 00-0082	EA	31-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	379.89	44.65
		For Tempered Low-E Insulated Glass, Add	*58.27*	
08 52 16 00-0083	EA	33-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	388.37	45.44
		For Tempered Low-E Insulated Glass, Add	*59.66*	
08 52 16 00-0084	EA	35-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	396.85	46.21
		For Tempered Low-E Insulated Glass, Add	*61.04*	
08 52 16 00-0085	EA	37-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	406.20	46.61
		For Tempered Low-E Insulated Glass, Add	*62.60*	
08 52 16 00-0086	EA	41-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	424.03	48.18
		For Tempered Low-E Insulated Glass, Add	*65.54*	
08 52 16 00-0087	EA	45-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	441.01	49.74
		For Tempered Low-E Insulated Glass, Add	*68.30*	

08 52 16 00-0088 52-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0089	EA	21-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	353.58	42.30
		For Tempered Low-E Insulated Glass, Add	*53.95*	
08 52 16 00-0090	EA	25-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	370.54	43.48
		For Tempered Low-E Insulated Glass, Add	*56.72*	
08 52 16 00-0091	EA	29-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	388.37	45.05
		For Tempered Low-E Insulated Glass, Add	*59.66*	
08 52 16 00-0092	EA	31-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	396.85	46.21
		For Tempered Low-E Insulated Glass, Add	*61.04*	
08 52 16 00-0093	EA	33-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	406.20	47.00
		For Tempered Low-E Insulated Glass, Add	*62.60*	
08 52 16 00-0094	EA	35-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	414.68	47.78
		For Tempered Low-E Insulated Glass, Add	*63.98*	
08 52 16 00-0095	EA	37-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	424.03	48.18
		For Tempered Low-E Insulated Glass, Add	*65.54*	
08 52 16 00-0096	EA	41-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	441.01	49.74
		For Tempered Low-E Insulated Glass, Add	*68.30*	
08 52 16 00-0097	EA	45-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	458.84	51.31
		For Tempered Low-E Insulated Glass, Add	*71.24*	

08 52 16 00-0098 56-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0099	EA	21-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	370.54	43.87
		For Tempered Low-E Insulated Glass, Add	*56.72*	
08 52 16 00-0100	EA	25-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	388.37	45.05
		For Tempered Low-E Insulated Glass, Add	*59.66*	
08 52 16 00-0101	EA	29-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	406.20	46.61
		For Tempered Low-E Insulated Glass, Add	*62.60*	
08 52 16 00-0102	EA	31-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	414.68	47.78
		For Tempered Low-E Insulated Glass, Add	*63.98*	
08 52 16 00-0103	EA	33-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	424.03	48.57
		For Tempered Low-E Insulated Glass, Add	*65.54*	
08 52 16 00-0104	EA	35-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	432.52	49.36
		For Tempered Low-E Insulated Glass, Add	*66.92*	
08 52 16 00-0105	EA	37-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	441.01	49.74
		For Tempered Low-E Insulated Glass, Add	*68.30*	
08 52 16 00-0106	EA	41-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	458.84	51.31
		For Tempered Low-E Insulated Glass, Add	*71.24*	
08 52 16 00-0107	EA	45-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	476.66	52.88
		For Tempered Low-E Insulated Glass, Add	*74.18*	

08 52 16 00-0108 60-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0109	EA	21-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	388.37	45.44
		For Tempered Low-E Insulated Glass, Add	*59.66*	
08 52 16 00-0110	EA	25-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	406.20	46.61
		For Tempered Low-E Insulated Glass, Add	*62.60*	
08 52 16 00-0111	EA	29-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	424.03	48.18
		For Tempered Low-E Insulated Glass, Add	*65.54*	
08 52 16 00-0112	EA	31-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	432.52	49.36
		For Tempered Low-E Insulated Glass, Add	*66.92*	
08 52 16 00-0113	EA	33-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	441.01	50.13
		For Tempered Low-E Insulated Glass, Add	*68.30*	
08 52 16 00-0114	EA	35-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	450.35	50.92
		For Tempered Low-E Insulated Glass, Add	*69.86*	
08 52 16 00-0115	EA	37-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	458.84	51.31
		For Tempered Low-E Insulated Glass, Add	*71.24*	
08 52 16 00-0116	EA	41-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	476.66	52.88
		For Tempered Low-E Insulated Glass, Add	*74.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0117	EA	45-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	493.63	54.44
		For Tempered Low-E Insulated Glass, Add	*76.95*	
08 52 16 00-0118		64-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*		
08 52 16 00-0119	EA	21-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	406.20	47.00
		For Tempered Low-E Insulated Glass, Add	*62.60*	
08 52 16 00-0120	EA	25-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	424.03	48.18
		For Tempered Low-E Insulated Glass, Add	*65.54*	
08 52 16 00-0121	EA	29-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	441.01	49.74
		For Tempered Low-E Insulated Glass, Add	*68.30*	
08 52 16 00-0122	EA	31-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	450.35	50.92
		For Tempered Low-E Insulated Glass, Add	*69.86*	
08 52 16 00-0123	EA	33-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	458.84	51.70
		For Tempered Low-E Insulated Glass, Add	*71.24*	
08 52 16 00-0124	EA	35-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	467.32	52.49
		For Tempered Low-E Insulated Glass, Add	*72.63*	
08 52 16 00-0125	EA	37-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	476.66	52.88
		For Tempered Low-E Insulated Glass, Add	*74.18*	
08 52 16 00-0126	EA	41-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	493.63	54.44
		For Tempered Low-E Insulated Glass, Add	*76.95*	
08 52 16 00-0127	EA	45-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	511.47	56.01
		For Tempered Low-E Insulated Glass, Add	*79.89*	
08 52 16 00-0128		68-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*		
08 52 16 00-0129	EA	21-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	424.03	48.57
		For Tempered Low-E Insulated Glass, Add	*65.54*	
08 52 16 00-0130	EA	25-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	441.01	49.74
		For Tempered Low-E Insulated Glass, Add	*68.30*	
08 52 16 00-0131	EA	29-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	458.84	51.31
		For Tempered Low-E Insulated Glass, Add	*71.24*	
08 52 16 00-0132	EA	31-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	467.32	52.49
		For Tempered Low-E Insulated Glass, Add	*72.63*	
08 52 16 00-0133	EA	33-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	476.66	53.27
		For Tempered Low-E Insulated Glass, Add	*74.18*	
08 52 16 00-0134	EA	35-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	485.15	54.05
		For Tempered Low-E Insulated Glass, Add	*75.57*	
08 52 16 00-0135	EA	37-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	493.63	54.44
		For Tempered Low-E Insulated Glass, Add	*76.95*	
08 52 16 00-0136	EA	41-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	511.47	56.01
		For Tempered Low-E Insulated Glass, Add	*79.89*	
08 52 16 00-0137	EA	45-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	529.29	57.57
		For Tempered Low-E Insulated Glass, Add	*82.83*	
08 52 16 00-0138		72-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*		
08 52 16 00-0139	EA	21-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	441.01	50.13
		For Tempered Low-E Insulated Glass, Add	*68.30*	
08 52 16 00-0140	EA	25-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	458.84	51.31
		For Tempered Low-E Insulated Glass, Add	*71.24*	
08 52 16 00-0141	EA	29-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	476.66	52.88
		For Tempered Low-E Insulated Glass, Add	*74.18*	
08 52 16 00-0142	EA	31-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	485.15	54.05
		For Tempered Low-E Insulated Glass, Add	*75.57*	
08 52 16 00-0143	EA	33-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	493.63	54.83
		For Tempered Low-E Insulated Glass, Add	*76.95*	
08 52 16 00-0144	EA	35-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	502.98	55.62
		For Tempered Low-E Insulated Glass, Add	*78.51*	
08 52 16 00-0145	EA	37-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	511.47	56.01
		For Tempered Low-E Insulated Glass, Add	*79.89*	
08 52 16 00-0146	EA	41-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	529.29	57.57
		For Tempered Low-E Insulated Glass, Add	*82.83*	
08 52 16 00-0147	EA	45-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	547.12	59.14
		For Tempered Low-E Insulated Glass, Add	*85.77*	
08 52 16 00-0148		76-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*		
08 52 16 00-0149	EA	21-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	458.84	51.70
		For Tempered Low-E Insulated Glass, Add	*71.24*	
08 52 16 00-0150	EA	25-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	476.66	52.88
		For Tempered Low-E Insulated Glass, Add	*74.18*	
08 52 16 00-0151	EA	29-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	493.63	54.44
		For Tempered Low-E Insulated Glass, Add	*76.95*	
08 52 16 00-0152	EA	31-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	502.98	55.62
		For Tempered Low-E Insulated Glass, Add	*78.51*	
08 52 16 00-0153	EA	33-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	511.47	56.40
		For Tempered Low-E Insulated Glass, Add	*79.89*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0154	EA	35-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	520.81	57.19
		For Tempered Low-E Insulated Glass, Add	*81.45*	
08 52 16 00-0155	EA	37-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	529.29	57.57
		For Tempered Low-E Insulated Glass, Add	*82.83*	
08 52 16 00-0156	EA	41-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	547.12	59.14
		For Tempered Low-E Insulated Glass, Add	*85.77*	
08 52 16 00-0157	EA	45-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	564.10	60.71
		For Tempered Low-E Insulated Glass, Add	*88.54*	

08 52 16 00-0158 84-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0159	EA	21-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	699.40	54.83
		For Tempered Low-E Insulated Glass, Add	*118.10*	
08 52 16 00-0160	EA	25-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	724.16	56.01
		For Tempered Low-E Insulated Glass, Add	*122.43*	
08 52 16 00-0161	EA	29-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	748.90	57.57
		For Tempered Low-E Insulated Glass, Add	*126.75*	
08 52 16 00-0162	EA	31-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	760.84	58.75
		For Tempered Low-E Insulated Glass, Add	*128.83*	
08 52 16 00-0163	EA	33-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	773.65	59.53
		For Tempered Low-E Insulated Glass, Add	*131.07*	
08 52 16 00-0164	EA	35-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	785.59	60.32
		For Tempered Low-E Insulated Glass, Add	*133.15*	
08 52 16 00-0165	EA	37-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	797.54	60.71
		For Tempered Low-E Insulated Glass, Add	*135.22*	
08 52 16 00-0166	EA	41-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	822.29	62.27
		For Tempered Low-E Insulated Glass, Add	*139.55*	
08 52 16 00-0167	EA	45-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	847.04	63.84
		For Tempered Low-E Insulated Glass, Add	*143.87*	

08 52 16 00-0168 88-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0169	EA	21-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	724.16	56.40
		For Tempered Low-E Insulated Glass, Add	*122.43*	
08 52 16 00-0170	EA	25-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	748.90	57.57
		For Tempered Low-E Insulated Glass, Add	*126.75*	
08 52 16 00-0171	EA	29-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	773.65	59.14
		For Tempered Low-E Insulated Glass, Add	*131.07*	
08 52 16 00-0172	EA	31-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	785.59	60.32
		For Tempered Low-E Insulated Glass, Add	*133.15*	
08 52 16 00-0173	EA	33-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	797.54	61.11
		For Tempered Low-E Insulated Glass, Add	*135.22*	
08 52 16 00-0174	EA	35-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	810.35	61.88
		For Tempered Low-E Insulated Glass, Add	*137.47*	
08 52 16 00-0175	EA	37-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	822.29	62.27
		For Tempered Low-E Insulated Glass, Add	*139.55*	
08 52 16 00-0176	EA	41-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	847.04	63.84
		For Tempered Low-E Insulated Glass, Add	*143.87*	
08 52 16 00-0177	EA	45-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	871.78	65.40
		For Tempered Low-E Insulated Glass, Add	*148.19*	

08 52 16 00-0178 Casement Wood Clad Windows *(08 52 16)*

08 52 16 00-0179 Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0178)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.

08 52 16 00-0180 One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0179)*

08 52 16 00-0181 24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0180)*

08 52 16 00-0182	EA	17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	189.80	29.76
		For Tempered Clear Insulated Glass, Add	*26.21*	
08 52 16 00-0183	EA	20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	200.29	30.55
		For Tempered Clear Insulated Glass, Add	*27.84*	
08 52 16 00-0184	EA	24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	212.23	32.12
		For Tempered Clear Insulated Glass, Add	*29.60*	
08 52 16 00-0185	EA	28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	223.34	33.68
		For Tempered Clear Insulated Glass, Add	*31.19*	

08 52 16 00-0186 28-3/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0180)*

08 52 16 00-0187	EA	17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	203.09	31.33
		For Tempered Clear Insulated Glass, Add	*28.24*	
08 52 16 00-0188	EA	20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	213.59	32.12
		For Tempered Clear Insulated Glass, Add	*29.87*	
08 52 16 00-0189	EA	24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	225.52	33.68
		For Tempered Clear Insulated Glass, Add	*31.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0190	EA	28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	232.14	35.25
		For Tempered Clear Insulated Glass, Add	*32.33*	
08 52 16 00-0191	EA	31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	245.41	36.82
		For Tempered Clear Insulated Glass, Add	*34.51*	
08 52 16 00-0192		35-15/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0180)*		
08 52 16 00-0193	EA	17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	226.88	33.68
		For Tempered Clear Insulated Glass, Add	*31.90*	
08 52 16 00-0194	EA	20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	238.03	35.25
		For Tempered Clear Insulated Glass, Add	*33.66*	
08 52 16 00-0195	EA	24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	249.98	36.43
		For Tempered Clear Insulated Glass, Add	*35.42*	
08 52 16 00-0196	EA	28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	268.02	37.99
		For Tempered Clear Insulated Glass, Add	*38.41*	
08 52 16 00-0197	EA	31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	284.91	39.17
		For Tempered Clear Insulated Glass, Add	*41.32*	
08 52 16 00-0198	EA	35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	301.06	39.95
		For Tempered Clear Insulated Glass, Add	*44.23*	
08 52 16 00-0199		40-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0180)*		
08 52 16 00-0200	EA	17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	242.98	36.03
		For Tempered Clear Insulated Glass, Add	*34.34*	
08 52 16 00-0201	EA	20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	253.46	36.82
		For Tempered Clear Insulated Glass, Add	*35.97*	
08 52 16 00-0202	EA	24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	265.41	38.38
		For Tempered Clear Insulated Glass, Add	*37.73*	
08 52 16 00-0203	EA	28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	290.90	39.95
		For Tempered Clear Insulated Glass, Add	*42.20*	
08 52 16 00-0204	EA	31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	308.55	41.52
		For Tempered Clear Insulated Glass, Add	*45.26*	
08 52 16 00-0205	EA	35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	325.52	43.08
		For Tempered Clear Insulated Glass, Add	*48.03*	
08 52 16 00-0206		48" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0180)*		
08 52 16 00-0207	EA	17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	266.19	39.17
		For Tempered Clear Insulated Glass, Add	*37.73*	
08 52 16 00-0208	EA	20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	277.35	39.95
		For Tempered Clear Insulated Glass, Add	*39.49*	
08 52 16 00-0209	EA	24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	289.29	41.52
		For Tempered Clear Insulated Glass, Add	*41.25*	
08 52 16 00-0210	EA	28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	323.93	43.08
		For Tempered Clear Insulated Glass, Add	*47.55*	
08 52 16 00-0211	EA	31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	337.98	44.65
		For Tempered Clear Insulated Glass, Add	*49.89*	
08 52 16 00-0212	EA	35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	358.89	46.21
		For Tempered Clear Insulated Glass, Add	*53.45*	
08 52 16 00-0213		52-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0180)*		
08 52 16 00-0214	EA	17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	281.53	40.74
		For Tempered Clear Insulated Glass, Add	*40.17*	
08 52 16 00-0215	EA	20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	292.00	41.52
		For Tempered Clear Insulated Glass, Add	*41.79*	
08 52 16 00-0216	EA	24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	303.95	43.08
		For Tempered Clear Insulated Glass, Add	*43.56*	
08 52 16 00-0217	EA	28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	346.37	44.65
		For Tempered Clear Insulated Glass, Add	*51.41*	
08 52 16 00-0218	EA	31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	366.84	46.21
		For Tempered Clear Insulated Glass, Add	*55.04*	
08 52 16 00-0219	EA	35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	380.99	47.78
		For Tempered Clear Insulated Glass, Add	*57.24*	
08 52 16 00-0220		59-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0180)*		
08 52 16 00-0221	EA	17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	303.95	43.08
		For Tempered Clear Insulated Glass, Add	*43.56*	
08 52 16 00-0222	EA	20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	315.11	44.65
		For Tempered Clear Insulated Glass, Add	*45.32*	
08 52 16 00-0223	EA	24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	327.04	45.82
		For Tempered Clear Insulated Glass, Add	*47.08*	
08 52 16 00-0224	EA	28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	378.96	47.39
		For Tempered Clear Insulated Glass, Add	*56.84*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0225	EA	31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	393.76	48.57
		For Tempered Clear Insulated Glass, Add	*59.33*	
08 52 16 00-0226	EA	35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	413.58	50.13
		For Tempered Clear Insulated Glass, Add	*62.66*	
08 52 16 00-0227		64-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0180)*		
08 52 16 00-0228	EA	17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	320.05	45.44
		For Tempered Clear Insulated Glass, Add	*45.99*	
08 52 16 00-0229	EA	20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	330.54	46.21
		For Tempered Clear Insulated Glass, Add	*47.62*	
08 52 16 00-0230	EA	24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	342.48	47.78
		For Tempered Clear Insulated Glass, Add	*49.38*	
08 52 16 00-0231	EA	28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	401.85	49.36
		For Tempered Clear Insulated Glass, Add	*60.63*	
08 52 16 00-0232	EA	31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	415.69	50.92
		For Tempered Clear Insulated Glass, Add	*62.93*	
08 52 16 00-0233	EA	35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	436.47	52.49
		For Tempered Clear Insulated Glass, Add	*66.46*	
08 52 16 00-0234		71-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0180)*		
08 52 16 00-0235	EA	17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	342.48	47.78
		For Tempered Clear Insulated Glass, Add	*49.38*	
08 52 16 00-0236	EA	20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	353.64	49.36
		For Tempered Clear Insulated Glass, Add	*51.14*	
08 52 16 00-0237	EA	24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	365.58	50.52
		For Tempered Clear Insulated Glass, Add	*52.91*	
08 52 16 00-0238	EA	28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	434.44	52.09
		For Tempered Clear Insulated Glass, Add	*66.05*	
08 52 16 00-0239	EA	31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	451.19	53.27
		For Tempered Clear Insulated Glass, Add	*68.93*	
08 52 16 00-0240	EA	35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	469.05	54.83
		For Tempered Clear Insulated Glass, Add	*71.88*	
08 52 16 00-0241		Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0179)*		
08 52 16 00-0242		24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0241)*		
08 52 16 00-0243	EA	40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	327.71	38.38
		For Tempered Clear Insulated Glass, Add	*50.19*	
08 52 16 00-0244	EA	48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	370.66	41.52
		For Tempered Clear Insulated Glass, Add	*57.53*	
08 52 16 00-0245	EA	56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	420.00	44.65
		For Tempered Clear Insulated Glass, Add	*66.14*	
08 52 16 00-0246		28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0241)*		
08 52 16 00-0247	EA	40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	352.34	39.95
		For Tempered Clear Insulated Glass, Add	*54.49*	
08 52 16 00-0248	EA	48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	395.30	43.08
		For Tempered Clear Insulated Glass, Add	*61.83*	
08 52 16 00-0249	EA	56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	444.64	46.21
		For Tempered Clear Insulated Glass, Add	*70.44*	
08 52 16 00-0250		35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0241)*		
08 52 16 00-0251	EA	33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	349.46	39.95
		For Tempered Clear Insulated Glass, Add	*53.91*	
08 52 16 00-0252	EA	40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	392.88	43.08
		For Tempered Clear Insulated Glass, Add	*61.50*	
08 52 16 00-0253	EA	48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	438.45	46.21
		For Tempered Clear Insulated Glass, Add	*69.36*	
08 52 16 00-0254	EA	56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	490.79	48.96
		For Tempered Clear Insulated Glass, Add	*78.57*	
08 52 16 00-0255	EA	62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	526.06	51.31
		For Tempered Clear Insulated Glass, Add	*84.69*	
08 52 16 00-0256	EA	71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	584.52	54.83
		For Tempered Clear Insulated Glass, Add	*94.97*	
08 52 16 00-0257		40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0241)*		
08 52 16 00-0258	EA	33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	379.80	41.90
		For Tempered Clear Insulated Glass, Add	*59.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0259	EA	40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	423.22	44.65
		For Tempered Clear Insulated Glass, Add	*66.78*	
08 52 16 00-0260	EA	48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	468.79	47.78
		For Tempered Clear Insulated Glass, Add	*74.64*	
08 52 16 00-0261	EA	56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	521.12	50.92
		For Tempered Clear Insulated Glass, Add	*83.86*	
08 52 16 00-0262	EA	62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	559.99	53.27
		For Tempered Clear Insulated Glass, Add	*90.69*	
08 52 16 00-0263	EA	71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	718.52	56.80
		For Tempered Clear Insulated Glass, Add	*120.99*	

08 52 16 00-0264 48" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0241)*

08 52 16 00-0265	EA	33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	424.68	45.05
		For Tempered Clear Insulated Glass, Add	*66.92*	
08 52 16 00-0266	EA	40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	468.79	47.78
		For Tempered Clear Insulated Glass, Add	*74.64*	
08 52 16 00-0267	EA	48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	514.35	50.92
		For Tempered Clear Insulated Glass, Add	*82.50*	
08 52 16 00-0268	EA	56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	566.69	54.05
		For Tempered Clear Insulated Glass, Add	*91.72*	
08 52 16 00-0269	EA	62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	604.00	56.40
		For Tempered Clear Insulated Glass, Add	*98.24*	
08 52 16 00-0270	EA	71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	660.42	59.93
		For Tempered Clear Insulated Glass, Add	*108.11*	

08 52 16 00-0271 52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0241)*

08 52 16 00-0272	EA	33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	454.23	46.61
		For Tempered Clear Insulated Glass, Add	*72.20*	
08 52 16 00-0273	EA	40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	497.67	49.36
		For Tempered Clear Insulated Glass, Add	*79.79*	
08 52 16 00-0274	EA	48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	538.20	52.49
		For Tempered Clear Insulated Glass, Add	*86.65*	
08 52 16 00-0275	EA	56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	595.58	55.62
		For Tempered Clear Insulated Glass, Add	*96.87*	
08 52 16 00-0276	EA	62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	634.58	57.96
		For Tempered Clear Insulated Glass, Add	*103.73*	
08 52 16 00-0277	EA	71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	689.99	61.49
		For Tempered Clear Insulated Glass, Add	*113.40*	

08 52 16 00-0278 59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0241)*

08 52 16 00-0279	EA	33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	498.34	49.36
		For Tempered Clear Insulated Glass, Add	*79.93*	
08 52 16 00-0280	EA	40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	541.78	52.49
		For Tempered Clear Insulated Glass, Add	*87.52*	
08 52 16 00-0281	EA	48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	587.33	55.62
		For Tempered Clear Insulated Glass, Add	*95.38*	
08 52 16 00-0282	EA	56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	639.67	58.36
		For Tempered Clear Insulated Glass, Add	*104.59*	
08 52 16 00-0283	EA	62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	678.68	60.71
		For Tempered Clear Insulated Glass, Add	*111.45*	
08 52 16 00-0284	EA	71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	733.41	64.24
		For Tempered Clear Insulated Glass, Add	*120.99*	

08 52 16 00-0285 64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0241)*

08 52 16 00-0286	EA	33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	528.69	51.31
		For Tempered Clear Insulated Glass, Add	*85.21*	
08 52 16 00-0287	EA	40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	572.11	54.05
		For Tempered Clear Insulated Glass, Add	*92.80*	
08 52 16 00-0288	EA	48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	618.36	57.19
		For Tempered Clear Insulated Glass, Add	*100.80*	
08 52 16 00-0289	EA	56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	670.70	60.32
		For Tempered Clear Insulated Glass, Add	*110.01*	

08 52 16 00-0290 71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0241)*

08 52 16 00-0291	EA	33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	572.79	54.05
		For Tempered Clear Insulated Glass, Add	*92.94*	
08 52 16 00-0292	EA	40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	616.21	57.19
		For Tempered Clear Insulated Glass, Add	*100.53*	
08 52 16 00-0293	EA	48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	661.78	60.32
		For Tempered Clear Insulated Glass, Add	*108.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0294	EA	56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	714.12	63.06
		For Tempered Clear Insulated Glass, Add	*117.60*	
08 52 16 00-0295		One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0179)*		
08 52 16 00-0296		24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0295)*		
08 52 16 00-0297	EA	71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	510.91	50.52
		For Tempered Clear Insulated Glass, Add	*81.97*	
08 52 16 00-0298	EA	84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	591.64	55.62
		For Tempered Clear Insulated Glass, Add	*96.08*	
08 52 16 00-0299		28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0295)*		
08 52 16 00-0300	EA	71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	540.89	52.09
		For Tempered Clear Insulated Glass, Add	*87.34*	
08 52 16 00-0301	EA	84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	616.58	57.19
		For Tempered Clear Insulated Glass, Add	*100.44*	
08 52 16 00-0302		35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0295)*		
08 52 16 00-0303	EA	61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	521.26	50.92
		For Tempered Clear Insulated Glass, Add	*83.89*	
08 52 16 00-0304	EA	71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	585.88	54.83
		For Tempered Clear Insulated Glass, Add	*95.24*	
08 52 16 00-0305	EA	84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	665.84	60.32
		For Tempered Clear Insulated Glass, Add	*109.20*	
08 52 16 00-0306		40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0295)*		
08 52 16 00-0307	EA	61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	550.22	53.27
		For Tempered Clear Insulated Glass, Add	*88.89*	
08 52 16 00-0308	EA	71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	616.89	56.80
		For Tempered Clear Insulated Glass, Add	*100.66*	
08 52 16 00-0309	EA	84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	696.19	61.88
		For Tempered Clear Insulated Glass, Add	*114.48*	
08 52 16 00-0310		48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0295)*		
08 52 16 00-0311	EA	71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	661.78	59.93
		For Tempered Clear Insulated Glass, Add	*108.39*	
08 52 16 00-0312	EA	84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	741.07	65.02
		For Tempered Clear Insulated Glass, Add	*122.21*	
08 52 16 00-0313		52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0295)*		
08 52 16 00-0314	EA	71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	691.34	61.49
		For Tempered Clear Insulated Glass, Add	*113.67*	
08 52 16 00-0315	EA	84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	770.62	66.58
		For Tempered Clear Insulated Glass, Add	*127.49*	
08 52 16 00-0316		59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0295)*		
08 52 16 00-0317	EA	71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	734.76	64.24
		For Tempered Clear Insulated Glass, Add	*121.26*	
08 52 16 00-0318	EA	84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	814.73	69.71
		For Tempered Clear Insulated Glass, Add	*135.22*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0319		Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0178)* Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0320		One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0319)*		
08 52 16 00-0321		24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0320)*		
08 52 16 00-0322	EA	17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	221.31	29.76
		For Tempered Low-E Insulated Glass, Add	*32.51*	
08 52 16 00-0323	EA	20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	233.83	30.55
		For Tempered Low-E Insulated Glass, Add	*34.54*	
08 52 16 00-0324	EA	24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	247.97	32.12
		For Tempered Low-E Insulated Glass, Add	*36.75*	
08 52 16 00-0325	EA	28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	261.08	33.68
		For Tempered Low-E Insulated Glass, Add	*38.74*	
08 52 16 00-0326		28-3/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0320)*		
08 52 16 00-0327	EA	17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	237.14	31.33
		For Tempered Low-E Insulated Glass, Add	*35.05*	
08 52 16 00-0328	EA	20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	249.66	32.12
		For Tempered Low-E Insulated Glass, Add	*37.08*	
08 52 16 00-0329	EA	24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	263.80	33.68
		For Tempered Low-E Insulated Glass, Add	*39.29*	
08 52 16 00-0330	EA	28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	271.29	35.25
		For Tempered Low-E Insulated Glass, Add	*40.16*	
08 52 16 00-0331	EA	31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	287.29	36.82
		For Tempered Low-E Insulated Glass, Add	*42.89*	
08 52 16 00-0332		35-15/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0320)*		
08 52 16 00-0333	EA	17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	265.50	33.68
		For Tempered Low-E Insulated Glass, Add	*39.63*	
08 52 16 00-0334	EA	20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	278.85	35.25
		For Tempered Low-E Insulated Glass, Add	*41.83*	
08 52 16 00-0335	EA	24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	293.01	36.43
		For Tempered Low-E Insulated Glass, Add	*44.03*	
08 52 16 00-0336	EA	28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	314.77	37.99
		For Tempered Low-E Insulated Glass, Add	*47.76*	
08 52 16 00-0337	EA	31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	335.29	39.17
		For Tempered Low-E Insulated Glass, Add	*51.39*	
08 52 16 00-0338	EA	35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	355.10	39.95
		For Tempered Low-E Insulated Glass, Add	*55.04*	
08 52 16 00-0339		40-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0320)*		
08 52 16 00-0340	EA	17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	284.65	36.03
		For Tempered Low-E Insulated Glass, Add	*42.67*	
08 52 16 00-0341	EA	20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	297.17	36.82
		For Tempered Low-E Insulated Glass, Add	*44.71*	
08 52 16 00-0342	EA	24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	311.32	38.38
		For Tempered Low-E Insulated Glass, Add	*46.91*	
08 52 16 00-0343	EA	28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	342.39	39.95
		For Tempered Low-E Insulated Glass, Add	*52.50*	
08 52 16 00-0344	EA	31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	363.87	41.52
		For Tempered Low-E Insulated Glass, Add	*56.32*	
08 52 16 00-0345	EA	35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	384.29	43.08
		For Tempered Low-E Insulated Glass, Add	*59.78*	
08 52 16 00-0346		48" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0320)*		
08 52 16 00-0347	EA	17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	312.10	39.17
		For Tempered Low-E Insulated Glass, Add	*46.91*	
08 52 16 00-0348	EA	20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	325.46	39.95
		For Tempered Low-E Insulated Glass, Add	*49.11*	
08 52 16 00-0349	EA	24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	339.60	41.52
		For Tempered Low-E Insulated Glass, Add	*51.31*	
08 52 16 00-0350	EA	28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	382.11	43.08
		For Tempered Low-E Insulated Glass, Add	*59.19*	
08 52 16 00-0351	EA	31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	399.09	44.65
		For Tempered Low-E Insulated Glass, Add	*62.11*	
08 52 16 00-0352	EA	35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	424.44	46.21
		For Tempered Low-E Insulated Glass, Add	*66.56*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0353		52-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0320)*		
08 52 16 00-0354	EA	17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	330.48	40.74
		For Tempered Low-E Insulated Glass, Add	*49.96*	
08 52 16 00-0355	EA	20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	342.98	41.52
		For Tempered Low-E Insulated Glass, Add	*51.99*	
08 52 16 00-0356	EA	24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	357.13	43.08
		For Tempered Low-E Insulated Glass, Add	*54.19*	
08 52 16 00-0357	EA	28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	409.39	44.65
		For Tempered Low-E Insulated Glass, Add	*64.02*	
08 52 16 00-0358	EA	31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	434.38	46.21
		For Tempered Low-E Insulated Glass, Add	*68.55*	
08 52 16 00-0359	EA	35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	451.28	47.78
		For Tempered Low-E Insulated Glass, Add	*71.30*	
08 52 16 00-0360		59-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0320)*		
08 52 16 00-0361	EA	17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	357.13	43.08
		For Tempered Low-E Insulated Glass, Add	*54.19*	
08 52 16 00-0362	EA	20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	370.49	44.65
		For Tempered Low-E Insulated Glass, Add	*56.39*	
08 52 16 00-0363	EA	24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	384.63	45.82
		For Tempered Low-E Insulated Glass, Add	*58.60*	
08 52 16 00-0364	EA	28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	448.74	47.39
		For Tempered Low-E Insulated Glass, Add	*70.79*	
08 52 16 00-0365	EA	31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	466.66	48.57
		For Tempered Low-E Insulated Glass, Add	*73.91*	
08 52 16 00-0366	EA	35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	490.65	50.13
		For Tempered Low-E Insulated Glass, Add	*78.08*	
08 52 16 00-0367		64-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0320)*		
08 52 16 00-0368	EA	17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	376.29	45.44
		For Tempered Low-E Insulated Glass, Add	*57.24*	
08 52 16 00-0369	EA	20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	388.81	46.21
		For Tempered Low-E Insulated Glass, Add	*59.27*	
08 52 16 00-0370	EA	24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	402.95	47.78
		For Tempered Low-E Insulated Glass, Add	*61.48*	
08 52 16 00-0371	EA	28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	476.38	49.36
		For Tempered Low-E Insulated Glass, Add	*75.54*	
08 52 16 00-0372	EA	31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	493.09	50.92
		For Tempered Low-E Insulated Glass, Add	*78.41*	
08 52 16 00-0373	EA	35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	518.28	52.49
		For Tempered Low-E Insulated Glass, Add	*82.82*	
08 52 16 00-0374		71-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0320)*		
08 52 16 00-0375	EA	17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	402.95	47.78
		For Tempered Low-E Insulated Glass, Add	*61.48*	
08 52 16 00-0376	EA	20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	416.31	49.36
		For Tempered Low-E Insulated Glass, Add	*63.68*	
08 52 16 00-0377	EA	24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	430.45	50.52
		For Tempered Low-E Insulated Glass, Add	*65.88*	
08 52 16 00-0378	EA	28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	515.74	52.09
		For Tempered Low-E Insulated Glass, Add	*82.31*	
08 52 16 00-0379	EA	31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	536.09	53.27
		For Tempered Low-E Insulated Glass, Add	*85.91*	
08 52 16 00-0380	EA	35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	557.64	54.83
		For Tempered Low-E Insulated Glass, Add	*89.59*	
08 52 16 00-0381		Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0319)*		
08 52 16 00-0382		24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0381)*		
08 52 16 00-0383	EA	40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	387.93	38.38
		For Tempered Low-E Insulated Glass, Add	*62.23*	
08 52 16 00-0384	EA	48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	440.05	41.52
		For Tempered Low-E Insulated Glass, Add	*71.40*	
08 52 16 00-0385	EA	56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	500.16	44.65
		For Tempered Low-E Insulated Glass, Add	*82.17*	
08 52 16 00-0386		28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0381)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0387	EA	40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	417.93	39.95
		For Tempered Low-E Insulated Glass, Add	*67.61*	
08 52 16 00-0388	EA	48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	470.07	43.08
		For Tempered Low-E Insulated Glass, Add	*76.78*	
08 52 16 00-0389	EA	56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	530.17	46.21
		For Tempered Low-E Insulated Glass, Add	*87.55*	
08 52 16 00-0390		35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0381)*		
08 52 16 00-0391	EA	33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	414.33	39.95
		For Tempered Low-E Insulated Glass, Add	*66.89*	
08 52 16 00-0392	EA	40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	467.24	43.08
		For Tempered Low-E Insulated Glass, Add	*76.37*	
08 52 16 00-0393	EA	48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	522.63	46.21
		For Tempered Low-E Insulated Glass, Add	*86.20*	
08 52 16 00-0394	EA	56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	586.49	48.96
		For Tempered Low-E Insulated Glass, Add	*97.71*	
08 52 16 00-0395	EA	62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	629.41	51.31
		For Tempered Low-E Insulated Glass, Add	*105.36*	
08 52 16 00-0396	EA	71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	700.72	54.83
		For Tempered Low-E Insulated Glass, Add	*118.21*	
08 52 16 00-0397		40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0381)*		
08 52 16 00-0398	EA	33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	451.28	41.90
		For Tempered Low-E Insulated Glass, Add	*73.49*	
08 52 16 00-0399	EA	40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	504.19	44.65
		For Tempered Low-E Insulated Glass, Add	*82.98*	
08 52 16 00-0400	EA	48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	559.58	47.78
		For Tempered Low-E Insulated Glass, Add	*92.80*	
08 52 16 00-0401	EA	56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	623.43	50.92
		For Tempered Low-E Insulated Glass, Add	*104.32*	
08 52 16 00-0402	EA	62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	670.84	53.27
		For Tempered Low-E Insulated Glass, Add	*112.86*	
08 52 16 00-0403	EA	71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	867.24	56.80
		For Tempered Low-E Insulated Glass, Add	*150.73*	
08 52 16 00-0404		48" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0381)*		
08 52 16 00-0405	EA	33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	505.82	45.05
		For Tempered Low-E Insulated Glass, Add	*83.15*	
08 52 16 00-0406	EA	40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	559.58	47.78
		For Tempered Low-E Insulated Glass, Add	*92.80*	
08 52 16 00-0407	EA	48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	614.96	50.92
		For Tempered Low-E Insulated Glass, Add	*102.63*	
08 52 16 00-0408	EA	56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	678.82	54.05
		For Tempered Low-E Insulated Glass, Add	*114.14*	
08 52 16 00-0409	EA	62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	724.28	56.40
		For Tempered Low-E Insulated Glass, Add	*122.30*	
08 52 16 00-0410	EA	71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	793.05	59.93
		For Tempered Low-E Insulated Glass, Add	*134.64*	
08 52 16 00-0411		52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0381)*		
08 52 16 00-0412	EA	33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	541.98	46.61
		For Tempered Low-E Insulated Glass, Add	*89.75*	
08 52 16 00-0413	EA	40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	594.89	49.36
		For Tempered Low-E Insulated Glass, Add	*99.24*	
08 52 16 00-0414	EA	48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	645.25	52.49
		For Tempered Low-E Insulated Glass, Add	*108.06*	
08 52 16 00-0415	EA	56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	714.15	55.62
		For Tempered Low-E Insulated Glass, Add	*120.58*	
08 52 16 00-0416	EA	62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	761.73	57.96
		For Tempered Low-E Insulated Glass, Add	*129.16*	
08 52 16 00-0417	EA	71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	829.22	61.49
		For Tempered Low-E Insulated Glass, Add	*141.25*	
08 52 16 00-0418		59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0381)*		
08 52 16 00-0419	EA	33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	595.74	49.36
		For Tempered Low-E Insulated Glass, Add	*99.41*	
08 52 16 00-0420	EA	40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	648.66	52.49
		For Tempered Low-E Insulated Glass, Add	*108.89*	
08 52 16 00-0421	EA	48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	704.04	55.62
		For Tempered Low-E Insulated Glass, Add	*118.72*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0422	EA	56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	767.89	58.36
		For Tempered Low-E Insulated Glass, Add	*130.24*	
08 52 16 00-0423	EA	62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	815.48	60.71
		For Tempered Low-E Insulated Glass, Add	*138.81*	
08 52 16 00-0424	EA	71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	882.13	64.24
		For Tempered Low-E Insulated Glass, Add	*150.73*	
08 52 16 00-0425		64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0381)*		
08 52 16 00-0426	EA	33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	632.69	51.31
		For Tempered Low-E Insulated Glass, Add	*106.01*	
08 52 16 00-0427	EA	40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	685.60	54.05
		For Tempered Low-E Insulated Glass, Add	*115.50*	
08 52 16 00-0428	EA	48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	741.84	57.19
		For Tempered Low-E Insulated Glass, Add	*125.49*	
08 52 16 00-0429	EA	56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	805.70	60.32
		For Tempered Low-E Insulated Glass, Add	*137.01*	
08 52 16 00-0430		71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0381)*		
08 52 16 00-0431	EA	33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	686.45	54.05
		For Tempered Low-E Insulated Glass, Add	*115.67*	
08 52 16 00-0432	EA	40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	739.35	57.19
		For Tempered Low-E Insulated Glass, Add	*125.15*	
08 52 16 00-0433	EA	48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	794.75	60.32
		For Tempered Low-E Insulated Glass, Add	*134.98*	
08 52 16 00-0434	EA	56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	858.61	63.06
		For Tempered Low-E Insulated Glass, Add	*146.50*	
08 52 16 00-0435		One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0319)*		
08 52 16 00-0436		24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0435)*		
08 52 16 00-0437	EA	71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	612.12	50.52
		For Tempered Low-E Insulated Glass, Add	*102.21*	
08 52 16 00-0438	EA	84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	709.23	55.62
		For Tempered Low-E Insulated Glass, Add	*119.60*	
08 52 16 00-0439		28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0435)*		
08 52 16 00-0440	EA	71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	647.55	52.09
		For Tempered Low-E Insulated Glass, Add	*108.67*	
08 52 16 00-0441	EA	84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	739.62	57.19
		For Tempered Low-E Insulated Glass, Add	*125.05*	
08 52 16 00-0442		35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0435)*		
08 52 16 00-0443	EA	61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	623.60	50.92
		For Tempered Low-E Insulated Glass, Add	*104.35*	
08 52 16 00-0444	EA	71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	702.41	54.83
		For Tempered Low-E Insulated Glass, Add	*118.55*	
08 52 16 00-0445	EA	84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	799.83	60.32
		For Tempered Low-E Insulated Glass, Add	*136.00*	
08 52 16 00-0446		40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0435)*		
08 52 16 00-0447	EA	61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	658.83	53.27
		For Tempered Low-E Insulated Glass, Add	*110.62*	
08 52 16 00-0448	EA	71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	740.20	56.80
		For Tempered Low-E Insulated Glass, Add	*125.32*	
08 52 16 00-0449	EA	84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	836.78	61.88
		For Tempered Low-E Insulated Glass, Add	*142.60*	

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08 52 16 00-0450		48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0435)*		
08 52 16 00-0451	EA	71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	794.75	59.93
		For Tempered Low-E Insulated Glass, Add	*134.98*	
08 52 16 00-0452	EA	84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	891.31	65.02
		For Tempered Low-E Insulated Glass, Add	*152.26*	
08 52 16 00-0453		52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0435)*		
08 52 16 00-0454	EA	71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	830.92	61.49
		For Tempered Low-E Insulated Glass, Add	*141.59*	
08 52 16 00-0455	EA	84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	927.47	66.58
		For Tempered Low-E Insulated Glass, Add	*158.86*	
08 52 16 00-0456		59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0435)*		
08 52 16 00-0457	EA	71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	883.82	64.24
		For Tempered Low-E Insulated Glass, Add	*151.07*	
08 52 16 00-0458	EA	84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	981.24	69.71
		For Tempered Low-E Insulated Glass, Add	*168.52*	
08 52 16 00-0459		Awning Wood Clad Windows *(08 52 16)*		
08 52 16 00-0460		Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0459)* Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0461		Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0460)*		
08 52 16 00-0462		17" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0461)*		
08 52 16 00-0463	EA	24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	205.77	32.12
		For Tempered Clear Insulated Glass, Add	*28.31*	
08 52 16 00-0464	EA	28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	219.74	33.68
		For Tempered Clear Insulated Glass, Add	*30.47*	
08 52 16 00-0465	EA	31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	231.09	34.86
		For Tempered Clear Insulated Glass, Add	*32.28*	
08 52 16 00-0466	EA	35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	245.56	36.43
		For Tempered Clear Insulated Glass, Add	*34.54*	
08 52 16 00-0467	EA	40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	262.34	38.38
		For Tempered Clear Insulated Glass, Add	*37.11*	
08 52 16 00-0468	EA	48" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	288.25	41.52
		For Tempered Clear Insulated Glass, Add	*41.04*	
08 52 16 00-0469	EA	52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	304.26	43.08
		For Tempered Clear Insulated Glass, Add	*43.62*	
08 52 16 00-0470	EA	59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	328.03	46.21
		For Tempered Clear Insulated Glass, Add	*47.28*	
08 52 16 00-0471	EA	64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	337.75	47.78
		For Tempered Clear Insulated Glass, Add	*48.44*	
08 52 16 00-0472	EA	71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	361.29	50.52
		For Tempered Clear Insulated Glass, Add	*52.05*	
08 52 16 00-0473		20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0461)*		
08 52 16 00-0474	EA	24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	216.57	33.68
		For Tempered Clear Insulated Glass, Add	*30.00*	
08 52 16 00-0475	EA	28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	231.57	35.25
		For Tempered Clear Insulated Glass, Add	*32.37*	
08 52 16 00-0476	EA	31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	241.49	36.03
		For Tempered Clear Insulated Glass, Add	*33.88*	
08 52 16 00-0477	EA	35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	257.38	37.60
		For Tempered Clear Insulated Glass, Add	*36.44*	
08 52 16 00-0478	EA	40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	274.17	39.95
		For Tempered Clear Insulated Glass, Add	*39.01*	
08 52 16 00-0479	EA	48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	299.41	42.69
		For Tempered Clear Insulated Glass, Add	*42.81*	
08 52 16 00-0480	EA	52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	315.42	44.65
		For Tempered Clear Insulated Glass, Add	*45.38*	
08 52 16 00-0481	EA	59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	339.87	47.00
		For Tempered Clear Insulated Glass, Add	*49.17*	
08 52 16 00-0482	EA	64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	348.80	49.36
		For Tempered Clear Insulated Glass, Add	*50.18*	

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08 52 16 00-0483	EA	71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	373.01	51.70
		For Tempered Clear Insulated Glass, Add	*53.92*	
08 52 16 00-0484	EA	84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	555.26	57.19
		For Tempered Clear Insulated Glass, Add	*88.34*	

08 52 16 00-0485 24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0461)*

08 52 16 00-0486	EA	24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	230.21	35.25
		For Tempered Clear Insulated Glass, Add	*32.10*	
08 52 16 00-0487	EA	28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	244.20	36.82
		For Tempered Clear Insulated Glass, Add	*34.27*	
08 52 16 00-0488	EA	31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	253.81	37.60
		For Tempered Clear Insulated Glass, Add	*35.72*	
08 52 16 00-0489	EA	35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	270.00	39.17
		For Tempered Clear Insulated Glass, Add	*38.33*	
08 52 16 00-0490	EA	40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	286.79	41.52
		For Tempered Clear Insulated Glass, Add	*40.91*	
08 52 16 00-0491	EA	48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	312.71	44.26
		For Tempered Clear Insulated Glass, Add	*44.84*	
08 52 16 00-0492	EA	52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	328.71	46.21
		For Tempered Clear Insulated Glass, Add	*47.41*	
08 52 16 00-0493	EA	59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	353.16	48.57
		For Tempered Clear Insulated Glass, Add	*51.21*	
08 52 16 00-0494	EA	64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	361.29	50.92
		For Tempered Clear Insulated Glass, Add	*52.05*	
08 52 16 00-0495	EA	71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	384.81	53.27
		For Tempered Clear Insulated Glass, Add	*55.66*	
08 52 16 00-0496	EA	84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	583.10	58.75
		For Tempered Clear Insulated Glass, Add	*93.28*	

08 52 16 00-0497 28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0461)*

08 52 16 00-0498	EA	24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	231.33	36.82
		For Tempered Clear Insulated Glass, Add	*31.69*	
08 52 16 00-0499	EA	28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	252.07	38.38
		For Tempered Clear Insulated Glass, Add	*35.22*	
08 52 16 00-0500	EA	31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	265.56	39.17
		For Tempered Clear Insulated Glass, Add	*37.45*	
08 52 16 00-0501	EA	35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	290.07	40.74
		For Tempered Clear Insulated Glass, Add	*41.72*	
08 52 16 00-0502	EA	40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	314.99	43.08
		For Tempered Clear Insulated Glass, Add	*45.92*	
08 52 16 00-0503	EA	48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	351.75	45.82
		For Tempered Clear Insulated Glass, Add	*52.02*	
08 52 16 00-0504	EA	52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	375.21	47.78
		For Tempered Clear Insulated Glass, Add	*56.09*	
08 52 16 00-0505	EA	59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	411.18	50.13
		For Tempered Clear Insulated Glass, Add	*62.18*	
08 52 16 00-0506	EA	64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	425.31	52.49
		For Tempered Clear Insulated Glass, Add	*64.22*	
08 52 16 00-0507	EA	71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	460.23	54.83
		For Tempered Clear Insulated Glass, Add	*70.11*	
08 52 16 00-0508	EA	84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	598.93	60.32
		For Tempered Clear Insulated Glass, Add	*95.82*	

08 52 16 00-0509 31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0461)*

08 52 16 00-0510	EA	28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	265.56	39.17
		For Tempered Clear Insulated Glass, Add	*37.45*	
08 52 16 00-0511	EA	31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	279.99	40.34
		For Tempered Clear Insulated Glass, Add	*39.86*	
08 52 16 00-0512	EA	35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	299.78	41.90
		For Tempered Clear Insulated Glass, Add	*43.19*	
08 52 16 00-0513	EA	40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	322.09	43.87
		For Tempered Clear Insulated Glass, Add	*46.87*	
08 52 16 00-0514	EA	48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	354.79	47.00
		For Tempered Clear Insulated Glass, Add	*52.16*	
08 52 16 00-0515	EA	52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	376.88	48.57
		For Tempered Clear Insulated Glass, Add	*55.95*	
08 52 16 00-0516	EA	59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	408.80	51.70
		For Tempered Clear Insulated Glass, Add	*61.24*	
08 52 16 00-0517	EA	64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	431.10	53.27
		For Tempered Clear Insulated Glass, Add	*64.91*	
08 52 16 00-0518	EA	71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	463.60	56.01
		For Tempered Clear Insulated Glass, Add	*70.32*	
08 52 16 00-0519	EA	84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	636.22	61.11
		For Tempered Clear Insulated Glass, Add	*102.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0520		**35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0461)*		
08 52 16 00-0521	EA	31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	299.78	41.90
		For Tempered Clear Insulated Glass, Add	*43.19*	
08 52 16 00-0522	EA	35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	327.40	43.48
		For Tempered Clear Insulated Glass, Add	*48.09*	
08 52 16 00-0523	EA	40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	352.32	45.44
		For Tempered Clear Insulated Glass, Add	*52.29*	
08 52 16 00-0524	EA	48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	389.07	48.57
		For Tempered Clear Insulated Glass, Add	*58.39*	
08 52 16 00-0525	EA	52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	413.22	50.13
		For Tempered Clear Insulated Glass, Add	*62.59*	
08 52 16 00-0526	EA	59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	448.51	53.27
		For Tempered Clear Insulated Glass, Add	*68.55*	
08 52 16 00-0527	EA	64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	399.35	54.83
		For Tempered Clear Insulated Glass, Add	*57.94*	
08 52 16 00-0528	EA	71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	427.57	57.57
		For Tempered Clear Insulated Glass, Add	*62.48*	
08 52 16 00-0529		**40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0461)*		
08 52 16 00-0530	EA	35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series)	348.26	45.44
		For Tempered Clear Insulated Glass, Add	*51.48*	
08 52 16 00-0531	EA	40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series)	388.76	47.78
		For Tempered Clear Insulated Glass, Add	*58.80*	
08 52 16 00-0532		**48" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0461)*		
08 52 16 00-0533	EA	35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series)	409.40	48.57
		For Tempered Clear Insulated Glass, Add	*62.45*	
08 52 16 00-0534	EA	40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series)	450.58	50.92
		For Tempered Clear Insulated Glass, Add	*69.91*	
08 52 16 00-0535	EA	48" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series)	511.06	53.65
		For Tempered Clear Insulated Glass, Add	*80.75*	
08 52 16 00-0536		**59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0461)*		
08 52 16 00-0537	EA	35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	500.53	52.88
		For Tempered Clear Insulated Glass, Add	*78.96*	
08 52 16 00-0538	EA	40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	536.81	54.83
		For Tempered Clear Insulated Glass, Add	*85.43*	
08 52 16 00-0539		**71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0461)*		
08 52 16 00-0540	EA	24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	543.38	53.27
		For Tempered Clear Insulated Glass, Add	*87.37*	
08 52 16 00-0541	EA	35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	564.35	57.57
		For Tempered Clear Insulated Glass, Add	*89.84*	
08 52 16 00-0542	EA	40-13/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	620.91	59.53
		For Tempered Clear Insulated Glass, Add	*100.37*	
08 52 16 00-0543	EA	48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	679.69	62.67
		For Tempered Clear Insulated Glass, Add	*110.87*	
08 52 16 00-0544		**Stationary, Awning Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0460)*		
08 52 16 00-0545		**17" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0544)*		
08 52 16 00-0546	EA	24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	184.77	32.12
		For Tempered Clear Insulated Glass, Add	*24.11*	
08 52 16 00-0547	EA	28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	198.06	33.68
		For Tempered Clear Insulated Glass, Add	*26.14*	
08 52 16 00-0548	EA	31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	206.95	34.86
		For Tempered Clear Insulated Glass, Add	*27.45*	
08 52 16 00-0549	EA	35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	221.16	36.43
		For Tempered Clear Insulated Glass, Add	*29.66*	
08 52 16 00-0550	EA	40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	236.59	38.38
		For Tempered Clear Insulated Glass, Add	*31.96*	
08 52 16 00-0551	EA	48" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	260.47	41.52
		For Tempered Clear Insulated Glass, Add	*35.49*	
08 52 16 00-0552	EA	52-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	274.45	43.08
		For Tempered Clear Insulated Glass, Add	*37.66*	
08 52 16 00-0553	EA	59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	296.87	46.21
		For Tempered Clear Insulated Glass, Add	*41.04*	
08 52 16 00-0554	EA	64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	312.31	47.78
		For Tempered Clear Insulated Glass, Add	*43.35*	
08 52 16 00-0555	EA	71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	334.72	50.52
		For Tempered Clear Insulated Glass, Add	*46.73*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0556		20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0544)*		
08 52 16 00-0557	EA	24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	195.24	33.68
		For Tempered Clear Insulated Glass, Add	*25.73*	
08 52 16 00-0558	EA	28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	208.53	35.25
		For Tempered Clear Insulated Glass, Add	*27.76*	
08 52 16 00-0559	EA	31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	216.78	36.03
		For Tempered Clear Insulated Glass, Add	*28.94*	
08 52 16 00-0560	EA	35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	232.31	37.60
		For Tempered Clear Insulated Glass, Add	*31.42*	
08 52 16 00-0561	EA	40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	247.75	39.95
		For Tempered Clear Insulated Glass, Add	*33.73*	
08 52 16 00-0562	EA	48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	270.95	42.69
		For Tempered Clear Insulated Glass, Add	*37.11*	
08 52 16 00-0563	EA	52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	285.61	44.65
		For Tempered Clear Insulated Glass, Add	*39.42*	
08 52 16 00-0564	EA	59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	307.35	47.00
		For Tempered Clear Insulated Glass, Add	*42.67*	
08 52 16 00-0565	EA	64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	323.46	49.36
		For Tempered Clear Insulated Glass, Add	*45.11*	
08 52 16 00-0566	EA	71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	345.21	51.70
		For Tempered Clear Insulated Glass, Add	*48.36*	
08 52 16 00-0567		24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0544)*		
08 52 16 00-0568	EA	24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	207.17	35.25
		For Tempered Clear Insulated Glass, Add	*27.49*	
08 52 16 00-0569	EA	28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	220.49	36.82
		For Tempered Clear Insulated Glass, Add	*29.53*	
08 52 16 00-0570	EA	31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	227.96	37.60
		For Tempered Clear Insulated Glass, Add	*30.55*	
08 52 16 00-0571	EA	35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	243.57	39.17
		For Tempered Clear Insulated Glass, Add	*33.05*	
08 52 16 00-0572	EA	40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	259.01	41.52
		For Tempered Clear Insulated Glass, Add	*35.35*	
08 52 16 00-0573	EA	48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	282.22	44.26
		For Tempered Clear Insulated Glass, Add	*38.74*	
08 52 16 00-0574	EA	52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	296.87	46.21
		For Tempered Clear Insulated Glass, Add	*41.04*	
08 52 16 00-0575	EA	59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	319.29	48.57
		For Tempered Clear Insulated Glass, Add	*44.43*	
08 52 16 00-0576	EA	64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	334.72	50.92
		For Tempered Clear Insulated Glass, Add	*46.73*	
08 52 16 00-0577	EA	71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	357.14	53.27
		For Tempered Clear Insulated Glass, Add	*50.12*	
08 52 16 00-0578		28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0544)*		
08 52 16 00-0579	EA	24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	209.65	36.82
		For Tempered Clear Insulated Glass, Add	*27.36*	
08 52 16 00-0580	EA	28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	227.00	38.38
		For Tempered Clear Insulated Glass, Add	*30.20*	
08 52 16 00-0581	EA	31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	236.83	39.17
		For Tempered Clear Insulated Glass, Add	*31.70*	
08 52 16 00-0582	EA	35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	246.70	40.74
		For Tempered Clear Insulated Glass, Add	*33.05*	
08 52 16 00-0583	EA	40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	278.40	43.08
		For Tempered Clear Insulated Glass, Add	*38.60*	
08 52 16 00-0584	EA	48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	308.39	45.82
		For Tempered Clear Insulated Glass, Add	*43.35*	
08 52 16 00-0585	EA	52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	327.78	47.78
		For Tempered Clear Insulated Glass, Add	*46.60*	
08 52 16 00-0586	EA	59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	356.98	50.13
		For Tempered Clear Insulated Glass, Add	*51.34*	
08 52 16 00-0587	EA	64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	377.84	52.49
		For Tempered Clear Insulated Glass, Add	*54.73*	
08 52 16 00-0588	EA	71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	407.03	54.83
		For Tempered Clear Insulated Glass, Add	*59.47*	
08 52 16 00-0589		31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0544)*		
08 52 16 00-0590	EA	28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	236.83	39.17
		For Tempered Clear Insulated Glass, Add	*31.70*	
08 52 16 00-0591	EA	31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	248.96	40.34
		For Tempered Clear Insulated Glass, Add	*33.65*	
08 52 16 00-0592	EA	35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	265.31	41.90
		For Tempered Clear Insulated Glass, Add	*36.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0593	EA	40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	284.17	43.87
		For Tempered Clear Insulated Glass, Add	*39.29*	
08 52 16 00-0594	EA	48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	311.69	47.00
		For Tempered Clear Insulated Glass, Add	*43.54*	
08 52 16 00-0595	EA	52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	329.76	48.57
		For Tempered Clear Insulated Glass, Add	*46.53*	
08 52 16 00-0596	EA	59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	356.51	51.70
		For Tempered Clear Insulated Glass, Add	*50.78*	
08 52 16 00-0597	EA	64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	374.79	53.27
		For Tempered Clear Insulated Glass, Add	*53.65*	
08 52 16 00-0598	EA	71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	401.54	56.01
		For Tempered Clear Insulated Glass, Add	*57.90*	
08 52 16 00-0599		35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0544)*		
08 52 16 00-0600	EA	31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	265.31	41.90
		For Tempered Clear Insulated Glass, Add	*36.30*	
08 52 16 00-0601	EA	35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	288.78	43.48
		For Tempered Clear Insulated Glass, Add	*40.37*	
08 52 16 00-0602	EA	40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	308.96	45.44
		For Tempered Clear Insulated Glass, Add	*43.62*	
08 52 16 00-0603	EA	48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	339.61	48.57
		For Tempered Clear Insulated Glass, Add	*48.50*	
08 52 16 00-0604	EA	52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	359.01	50.13
		For Tempered Clear Insulated Glass, Add	*51.75*	
08 52 16 00-0605	EA	59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	388.21	53.27
		For Tempered Clear Insulated Glass, Add	*56.49*	
08 52 16 00-0606	EA	64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	408.39	54.83
		For Tempered Clear Insulated Glass, Add	*59.74*	
08 52 16 00-0607	EA	71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	437.58	57.57
		For Tempered Clear Insulated Glass, Add	*64.49*	
08 52 16 00-0608		Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0459)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0609		Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0608)*		
08 52 16 00-0610		17" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0609)*		
08 52 16 00-0611	EA	24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	239.31	32.12
		For Tempered Low-E Insulated Glass, Add	*35.01*	
08 52 16 00-0612	EA	28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	255.99	33.68
		For Tempered Low-E Insulated Glass, Add	*37.72*	
08 52 16 00-0613	EA	31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	269.58	34.86
		For Tempered Low-E Insulated Glass, Add	*39.97*	
08 52 16 00-0614	EA	35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	286.89	36.43
		For Tempered Low-E Insulated Glass, Add	*42.81*	
08 52 16 00-0615	EA	40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	306.89	38.38
		For Tempered Low-E Insulated Glass, Add	*46.02*	
08 52 16 00-0616	EA	48" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	337.71	41.52
		For Tempered Low-E Insulated Glass, Add	*50.94*	
08 52 16 00-0617	EA	52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	356.94	43.08
		For Tempered Low-E Insulated Glass, Add	*54.15*	
08 52 16 00-0618	EA	59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	385.29	46.21
		For Tempered Low-E Insulated Glass, Add	*58.73*	
08 52 16 00-0619	EA	64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	396.45	47.78
		For Tempered Low-E Insulated Glass, Add	*60.18*	
08 52 16 00-0620	EA	71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	424.51	50.52
		For Tempered Low-E Insulated Glass, Add	*64.69*	
08 52 16 00-0621		20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0609)*		
08 52 16 00-0622	EA	24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	252.23	33.68
		For Tempered Low-E Insulated Glass, Add	*37.13*	
08 52 16 00-0623	EA	28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	270.19	35.25
		For Tempered Low-E Insulated Glass, Add	*40.10*	
08 52 16 00-0624	EA	31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	282.00	36.03
		For Tempered Low-E Insulated Glass, Add	*41.99*	
08 52 16 00-0625	EA	35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	301.08	37.60
		For Tempered Low-E Insulated Glass, Add	*45.18*	
08 52 16 00-0626	EA	40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	321.09	39.95
		For Tempered Low-E Insulated Glass, Add	*48.39*	
08 52 16 00-0627	EA	48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	351.07	42.69
		For Tempered Low-E Insulated Glass, Add	*53.14*	
08 52 16 00-0628	EA	52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	370.30	44.65
		For Tempered Low-E Insulated Glass, Add	*56.36*	
08 52 16 00-0629	EA	59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	399.49	47.00
		For Tempered Low-E Insulated Glass, Add	*61.10*	
08 52 16 00-0630	EA	64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	409.68	49.36
		For Tempered Low-E Insulated Glass, Add	*62.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0631	EA	71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	438.57	51.70
		For Tempered Low-E Insulated Glass, Add	*67.03*	
08 52 16 00-0632	EA	84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	663.84	57.19
		For Tempered Low-E Insulated Glass, Add	*110.05*	

08 52 16 00-0633 24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0609)*

08 52 16 00-0634	EA	24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	268.49	35.25
		For Tempered Low-E Insulated Glass, Add	*39.76*	
08 52 16 00-0635	EA	28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	285.19	36.82
		For Tempered Low-E Insulated Glass, Add	*42.47*	
08 52 16 00-0636	EA	31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	296.62	37.60
		For Tempered Low-E Insulated Glass, Add	*44.28*	
08 52 16 00-0637	EA	35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	316.07	39.17
		For Tempered Low-E Insulated Glass, Add	*47.55*	
08 52 16 00-0638	EA	40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	336.08	41.52
		For Tempered Low-E Insulated Glass, Add	*50.77*	
08 52 16 00-0639	EA	48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	366.91	44.26
		For Tempered Low-E Insulated Glass, Add	*55.68*	
08 52 16 00-0640	EA	52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	386.13	46.21
		For Tempered Low-E Insulated Glass, Add	*58.90*	
08 52 16 00-0641	EA	59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	415.33	48.57
		For Tempered Low-E Insulated Glass, Add	*63.64*	
08 52 16 00-0642	EA	64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	424.51	50.92
		For Tempered Low-E Insulated Glass, Add	*64.69*	
08 52 16 00-0643	EA	71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	452.54	53.27
		For Tempered Low-E Insulated Glass, Add	*69.20*	
08 52 16 00-0644	EA	84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	697.85	58.75
		For Tempered Low-E Insulated Glass, Add	*116.23*	

08 52 16 00-0645 28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0609)*

08 52 16 00-0646	EA	24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	269.10	36.82
		For Tempered Low-E Insulated Glass, Add	*39.25*	
08 52 16 00-0647	EA	28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	294.25	38.38
		For Tempered Low-E Insulated Glass, Add	*43.65*	
08 52 16 00-0648	EA	31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	310.53	39.17
		For Tempered Low-E Insulated Glass, Add	*46.44*	
08 52 16 00-0649	EA	35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	340.37	40.74
		For Tempered Low-E Insulated Glass, Add	*51.78*	
08 52 16 00-0650	EA	40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	370.55	43.08
		For Tempered Low-E Insulated Glass, Add	*57.03*	
08 52 16 00-0651	EA	48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	414.93	45.82
		For Tempered Low-E Insulated Glass, Add	*64.66*	
08 52 16 00-0652	EA	52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	443.47	47.78
		For Tempered Low-E Insulated Glass, Add	*69.74*	
08 52 16 00-0653	EA	59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	487.07	50.13
		For Tempered Low-E Insulated Glass, Add	*77.36*	
08 52 16 00-0654	EA	64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	503.75	52.49
		For Tempered Low-E Insulated Glass, Add	*79.91*	
08 52 16 00-0655	EA	71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	619.78	54.83
		For Tempered Low-E Insulated Glass, Add	*102.02*	
08 52 16 00-0656	EA	84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	716.86	60.32
		For Tempered Low-E Insulated Glass, Add	*119.40*	

08 52 16 00-0657 31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0609)*

08 52 16 00-0658	EA	28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	310.53	39.17
		For Tempered Low-E Insulated Glass, Add	*46.44*	
08 52 16 00-0659	EA	31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	327.97	40.34
		For Tempered Low-E Insulated Glass, Add	*49.46*	
08 52 16 00-0660	EA	35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	351.93	41.90
		For Tempered Low-E Insulated Glass, Add	*53.62*	
08 52 16 00-0661	EA	40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	378.84	43.87
		For Tempered Low-E Insulated Glass, Add	*58.22*	
08 52 16 00-0662	EA	48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	418.14	47.00
		For Tempered Low-E Insulated Glass, Add	*64.83*	
08 52 16 00-0663	EA	52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	444.97	48.57
		For Tempered Low-E Insulated Glass, Add	*69.57*	
08 52 16 00-0664	EA	59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	483.50	51.70
		For Tempered Low-E Insulated Glass, Add	*76.18*	
08 52 16 00-0665	EA	64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	510.40	53.27
		For Tempered Low-E Insulated Glass, Add	*80.77*	
08 52 16 00-0666	EA	71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	549.65	56.01
		For Tempered Low-E Insulated Glass, Add	*87.53*	
08 52 16 00-0667	EA	84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	762.88	61.11
		For Tempered Low-E Insulated Glass, Add	*128.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0668		**35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0609)*		
08 52 16 00-0669	EA	31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	351.93	41.90
		For Tempered Low-E Insulated Glass, Add	*53.62*	
08 52 16 00-0670	EA	35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	385.67	43.48
		For Tempered Low-E Insulated Glass, Add	*59.74*	
08 52 16 00-0671	EA	40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	415.84	45.44
		For Tempered Low-E Insulated Glass, Add	*64.99*	
08 52 16 00-0672	EA	48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	460.22	48.57
		For Tempered Low-E Insulated Glass, Add	*72.62*	
08 52 16 00-0673	EA	52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	489.61	50.13
		For Tempered Low-E Insulated Glass, Add	*77.87*	
08 52 16 00-0674	EA	59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	532.35	53.27
		For Tempered Low-E Insulated Glass, Add	*85.32*	
08 52 16 00-0675	EA	64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	469.93	54.83
		For Tempered Low-E Insulated Glass, Add	*72.05*	
08 52 16 00-0676	EA	71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	503.84	57.57
		For Tempered Low-E Insulated Glass, Add	*77.74*	
08 52 16 00-0677		**40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0609)*		
08 52 16 00-0678	EA	35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series)	406.84	45.44
		For Tempered Low-E Insulated Glass, Add	*63.98*	
08 52 16 00-0679	EA	40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series)	462.76	48.57
		For Tempered Low-E Insulated Glass, Add	*73.13*	
08 52 16 00-0680		**48" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0609)*		
08 52 16 00-0681	EA	35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series)	485.62	48.57
		For Tempered Low-E Insulated Glass, Add	*77.70*	
08 52 16 00-0682	EA	40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series)	536.12	50.92
		For Tempered Low-E Insulated Glass, Add	*87.01*	
08 52 16 00-0683	EA	48" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series)	610.15	53.65
		For Tempered Low-E Insulated Glass, Add	*100.57*	
08 52 16 00-0684		**59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0609)*		
08 52 16 00-0685	EA	35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	597.39	52.88
		For Tempered Low-E Insulated Glass, Add	*98.33*	
08 52 16 00-0686	EA	40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	641.75	54.83
		For Tempered Low-E Insulated Glass, Add	*106.42*	
08 52 16 00-0687		**71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0609)*		
08 52 16 00-0688	EA	24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	650.75	53.27
		For Tempered Low-E Insulated Glass, Add	*108.84*	
08 52 16 00-0689	EA	35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	674.81	57.57
		For Tempered Low-E Insulated Glass, Add	*111.93*	
08 52 16 00-0690	EA	40-13/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	744.53	59.53
		For Tempered Low-E Insulated Glass, Add	*125.09*	
08 52 16 00-0691	EA	48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	816.43	62.67
		For Tempered Low-E Insulated Glass, Add	*138.22*	
08 52 16 00-0692		**Stationary, Awning Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0608)*		
08 52 16 00-0693		**17" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0692)*		
08 52 16 00-0694	EA	24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	213.05	32.12
		For Tempered Low-E Insulated Glass, Add	*29.76*	
08 52 16 00-0695	EA	28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	228.89	33.68
		For Tempered Low-E Insulated Glass, Add	*32.30*	
08 52 16 00-0696	EA	31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	239.42	34.86
		For Tempered Low-E Insulated Glass, Add	*33.94*	
08 52 16 00-0697	EA	35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	256.40	36.43
		For Tempered Low-E Insulated Glass, Add	*36.71*	
08 52 16 00-0698	EA	40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	274.70	38.38
		For Tempered Low-E Insulated Glass, Add	*39.59*	
08 52 16 00-0699	EA	48" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	302.98	41.52
		For Tempered Low-E Insulated Glass, Add	*43.99*	
08 52 16 00-0700	EA	52-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	319.68	43.08
		For Tempered Low-E Insulated Glass, Add	*46.70*	
08 52 16 00-0701	EA	59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	346.33	46.21
		For Tempered Low-E Insulated Glass, Add	*50.94*	
08 52 16 00-0702	EA	64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	364.65	47.78
		For Tempered Low-E Insulated Glass, Add	*53.82*	
08 52 16 00-0703	EA	71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	391.30	50.52
		For Tempered Low-E Insulated Glass, Add	*58.05*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0704		20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0692)*		
08 52 16 00-0705	EA	24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	225.56	33.68
		For Tempered Low-E Insulated Glass, Add	*31.80*	
08 52 16 00-0706	EA	28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	241.39	35.25
		For Tempered Low-E Insulated Glass, Add	*34.34*	
08 52 16 00-0707	EA	31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	251.11	36.03
		For Tempered Low-E Insulated Glass, Add	*35.81*	
08 52 16 00-0708	EA	35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	269.75	37.60
		For Tempered Low-E Insulated Glass, Add	*38.91*	
08 52 16 00-0709	EA	40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	288.06	39.95
		For Tempered Low-E Insulated Glass, Add	*41.79*	
08 52 16 00-0710	EA	48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	315.50	42.69
		For Tempered Low-E Insulated Glass, Add	*46.02*	
08 52 16 00-0711	EA	52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	333.04	44.65
		For Tempered Low-E Insulated Glass, Add	*48.90*	
08 52 16 00-0712	EA	59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	358.84	47.00
		For Tempered Low-E Insulated Glass, Add	*52.97*	
08 52 16 00-0713	EA	64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	378.01	49.36
		For Tempered Low-E Insulated Glass, Add	*56.02*	
08 52 16 00-0714	EA	71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	403.81	51.70
		For Tempered Low-E Insulated Glass, Add	*60.08*	
08 52 16 00-0715		24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0692)*		
08 52 16 00-0716	EA	24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	239.70	35.25
		For Tempered Low-E Insulated Glass, Add	*34.00*	
08 52 16 00-0717	EA	28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	255.55	36.82
		For Tempered Low-E Insulated Glass, Add	*36.54*	
08 52 16 00-0718	EA	31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	264.30	37.60
		For Tempered Low-E Insulated Glass, Add	*37.82*	
08 52 16 00-0719	EA	35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	283.04	39.17
		For Tempered Low-E Insulated Glass, Add	*40.94*	
08 52 16 00-0720	EA	40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	301.36	41.52
		For Tempered Low-E Insulated Glass, Add	*43.82*	
08 52 16 00-0721	EA	48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	328.80	44.26
		For Tempered Low-E Insulated Glass, Add	*48.06*	
08 52 16 00-0722	EA	52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	346.33	46.21
		For Tempered Low-E Insulated Glass, Add	*50.94*	
08 52 16 00-0723	EA	59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	372.98	48.57
		For Tempered Low-E Insulated Glass, Add	*55.17*	
08 52 16 00-0724	EA	64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	391.30	50.92
		For Tempered Low-E Insulated Glass, Add	*58.05*	
08 52 16 00-0725	EA	71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	417.95	53.27
		For Tempered Low-E Insulated Glass, Add	*62.28*	
08 52 16 00-0726		28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0692)*		
08 52 16 00-0727	EA	24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	242.00	36.82
		For Tempered Low-E Insulated Glass, Add	*33.83*	
08 52 16 00-0728	EA	28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	262.91	38.38
		For Tempered Low-E Insulated Glass, Add	*37.38*	
08 52 16 00-0729	EA	31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	274.61	39.17
		For Tempered Low-E Insulated Glass, Add	*39.26*	
08 52 16 00-0730	EA	35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	286.17	40.74
		For Tempered Low-E Insulated Glass, Add	*40.94*	
08 52 16 00-0731	EA	40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	324.81	43.08
		For Tempered Low-E Insulated Glass, Add	*47.89*	
08 52 16 00-0732	EA	48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	360.73	45.82
		For Tempered Low-E Insulated Glass, Add	*53.82*	
08 52 16 00-0733	EA	52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	384.18	47.78
		For Tempered Low-E Insulated Glass, Add	*57.88*	
08 52 16 00-0734	EA	59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	419.32	50.13
		For Tempered Low-E Insulated Glass, Add	*63.81*	
08 52 16 00-0735	EA	64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	444.41	52.49
		For Tempered Low-E Insulated Glass, Add	*68.04*	
08 52 16 00-0736	EA	71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	479.53	54.83
		For Tempered Low-E Insulated Glass, Add	*73.97*	
08 52 16 00-0737		31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0692)*		
08 52 16 00-0738	EA	28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	274.61	39.17
		For Tempered Low-E Insulated Glass, Add	*39.26*	
08 52 16 00-0739	EA	31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	289.18	40.34
		For Tempered Low-E Insulated Glass, Add	*41.70*	
08 52 16 00-0740	EA	35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	308.83	41.90
		For Tempered Low-E Insulated Glass, Add	*45.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0741	EA	40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	331.43	43.87
		For Tempered Low-E Insulated Glass, Add	*48.74*	
08 52 16 00-0742	EA	48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	364.27	47.00
		For Tempered Low-E Insulated Glass, Add	*54.05*	
08 52 16 00-0743	EA	52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	386.07	48.57
		For Tempered Low-E Insulated Glass, Add	*57.79*	
08 52 16 00-0744	EA	59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	418.14	51.70
		For Tempered Low-E Insulated Glass, Add	*63.10*	
08 52 16 00-0745	EA	64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	440.01	53.27
		For Tempered Low-E Insulated Glass, Add	*66.70*	
08 52 16 00-0746	EA	71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	472.07	56.01
		For Tempered Low-E Insulated Glass, Add	*72.01*	

08 52 16 00-0747 35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0692)*

08 52 16 00-0748	EA	31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	308.83	41.90
		For Tempered Low-E Insulated Glass, Add	*45.00*	
08 52 16 00-0749	EA	35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	337.39	43.48
		For Tempered Low-E Insulated Glass, Add	*50.09*	
08 52 16 00-0750	EA	40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	361.64	45.44
		For Tempered Low-E Insulated Glass, Add	*54.15*	
08 52 16 00-0751	EA	48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	398.39	48.57
		For Tempered Low-E Insulated Glass, Add	*60.25*	
08 52 16 00-0752	EA	52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	421.86	50.13
		For Tempered Low-E Insulated Glass, Add	*64.32*	
08 52 16 00-0753	EA	59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	456.98	53.27
		For Tempered Low-E Insulated Glass, Add	*70.25*	
08 52 16 00-0754	EA	64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	481.22	54.83
		For Tempered Low-E Insulated Glass, Add	*74.31*	
08 52 16 00-0755	EA	71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	516.35	57.57
		For Tempered Low-E Insulated Glass, Add	*80.24*	

08 52 16 00-0756 Horizontal Sliding Wood Clad Windows *(08 52 16)*

08 52 16 00-0757 One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0756)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.

08 52 16 00-0758 17-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0757)*

08 52 16 00-0759	EA	47-1/2" x 17-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	256.18	41.52
		For Tempered Clear Insulated Glass, Add	*34.79*	

08 52 16 00-0760 23-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0757)*

08 52 16 00-0761	EA	35-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	236.43	38.38
		For Tempered Clear Insulated Glass, Add	*31.78*	
08 52 16 00-0762	EA	47-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	275.10	43.87
		For Tempered Clear Insulated Glass, Add	*37.63*	

08 52 16 00-0763 35-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0757)*

08 52 16 00-0764	EA	35-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	275.10	43.87
		For Tempered Clear Insulated Glass, Add	*37.63*	
08 52 16 00-0765	EA	47-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	313.76	48.57
		For Tempered Clear Insulated Glass, Add	*43.48*	
08 52 16 00-0766	EA	59-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	352.43	52.88
		For Tempered Clear Insulated Glass, Add	*49.34*	
08 52 16 00-0767	EA	71-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	391.10	57.57
		For Tempered Clear Insulated Glass, Add	*55.19*	

08 52 16 00-0768 41-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0757)*

08 52 16 00-0769	EA	35-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	294.85	46.21
		For Tempered Clear Insulated Glass, Add	*40.64*	
08 52 16 00-0770	EA	47-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	332.68	50.92
		For Tempered Clear Insulated Glass, Add	*46.33*	
08 52 16 00-0771	EA	59-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	371.35	55.23
		For Tempered Clear Insulated Glass, Add	*52.18*	
08 52 16 00-0772	EA	71-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	439.28	59.93
		For Tempered Clear Insulated Glass, Add	*63.89*	

08 52 16 00-0773 47-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0757)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0774	EA	35-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	313.76	48.57
		For Tempered Clear Insulated Glass, Add	*43.48*	
08 52 16 00-0775	EA	47-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	352.43	53.27
		For Tempered Clear Insulated Glass, Add	*49.34*	
08 52 16 00-0776	EA	59-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	391.10	57.57
		For Tempered Clear Insulated Glass, Add	*55.19*	
08 52 16 00-0777	EA	71-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	429.78	62.27
		For Tempered Clear Insulated Glass, Add	*61.04*	
08 52 16 00-0778		53-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0757)*		
08 52 16 00-0779	EA	47-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	371.35	55.62
		For Tempered Clear Insulated Glass, Add	*52.18*	
08 52 16 00-0780	EA	59-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	410.01	59.93
		For Tempered Clear Insulated Glass, Add	*58.03*	
08 52 16 00-0781	EA	71-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	448.68	64.63
		For Tempered Clear Insulated Glass, Add	*63.89*	
08 52 16 00-0782		59-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0757)*		
08 52 16 00-0783	EA	47-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	391.10	57.96
		For Tempered Clear Insulated Glass, Add	*55.19*	
08 52 16 00-0784	EA	59-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	429.78	62.27
		For Tempered Clear Insulated Glass, Add	*61.04*	
08 52 16 00-0785	EA	71-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	468.50	66.98
		For Tempered Clear Insulated Glass, Add	*66.91*	
08 52 16 00-0786		Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0756)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0787		22-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*		
08 52 16 00-0788	EA	35-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	529.85	38.38
		For Tempered Low-E Insulated Glass, Add	*90.46*	
08 52 16 00-0789	EA	47-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	628.73	43.87
		For Tempered Low-E Insulated Glass, Add	*108.36*	
08 52 16 00-0790		35-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*		
08 52 16 00-0791	EA	35-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	636.25	43.87
		For Tempered Low-E Insulated Glass, Add	*109.86*	
08 52 16 00-0792	EA	47-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	735.96	48.57
		For Tempered Low-E Insulated Glass, Add	*127.92*	
08 52 16 00-0793	EA	59-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	834.84	52.88
		For Tempered Low-E Insulated Glass, Add	*145.82*	
08 52 16 00-0794	EA	71-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	933.71	57.57
		For Tempered Low-E Insulated Glass, Add	*163.71*	
08 52 16 00-0795		41-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*		
08 52 16 00-0796	EA	35-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	686.11	46.21
		For Tempered Low-E Insulated Glass, Add	*118.89*	
08 52 16 00-0797	EA	47-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	784.98	50.92
		For Tempered Low-E Insulated Glass, Add	*136.79*	
08 52 16 00-0798	EA	59-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	884.69	55.23
		For Tempered Low-E Insulated Glass, Add	*154.85*	
08 52 16 00-0799	EA	71-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	983.57	59.93
		For Tempered Low-E Insulated Glass, Add	*172.74*	
08 52 16 00-0800		47-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*		
08 52 16 00-0801	EA	35-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	735.96	48.57
		For Tempered Low-E Insulated Glass, Add	*127.92*	
08 52 16 00-0802	EA	47-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	834.84	53.27
		For Tempered Low-E Insulated Glass, Add	*145.82*	
08 52 16 00-0803	EA	59-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	933.71	57.57
		For Tempered Low-E Insulated Glass, Add	*163.71*	
08 52 16 00-0804	EA	71-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,033.43	62.27
		For Tempered Low-E Insulated Glass, Add	*181.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0805		59-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*		
08 52 16 00-0806	EA	35-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	834.84	53.27
		For Tempered Low-E Insulated Glass, Add	*145.82*	
08 52 16 00-0807	EA	47-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	933.71	57.96
		For Tempered Low-E Insulated Glass, Add	*163.71*	
08 52 16 00-0808	EA	59-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,033.43	62.27
		For Tempered Low-E Insulated Glass, Add	*181.77*	
08 52 16 00-0809	EA	71-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,132.30	66.98
		For Tempered Low-E Insulated Glass, Add	*199.67*	
08 52 16 00-0810		Picture Wood Clad Windows *(08 52 16)*		
08 52 16 00-0811		Picture Wood Clad Windows For Awning And Casement Windows *(08 52 16 00-0810)*		
08 52 16 00-0812		Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0811)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0813		12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0812)*		
08 52 16 00-0814	EA	40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	200.65	31.33
		For Tempered Clear Insulated Glass, Add	*27.60*	
08 52 16 00-0815	EA	48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	233.06	34.46
		For Tempered Clear Insulated Glass, Add	*32.82*	
08 52 16 00-0816	EA	52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	247.13	36.03
		For Tempered Clear Insulated Glass, Add	*35.01*	
08 52 16 00-0817	EA	59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	267.81	39.17
		For Tempered Clear Insulated Glass, Add	*38.05*	
08 52 16 00-0818	EA	64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	282.05	40.74
		For Tempered Clear Insulated Glass, Add	*40.12*	
08 52 16 00-0819	EA	71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	302.74	43.87
		For Tempered Clear Insulated Glass, Add	*43.16*	
08 52 16 00-0820		35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0812)*		
08 52 16 00-0821	EA	35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	225.63	38.38
		For Tempered Clear Insulated Glass, Add	*29.77*	
08 52 16 00-0822	EA	40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	257.68	40.74
		For Tempered Clear Insulated Glass, Add	*35.40*	
08 52 16 00-0823	EA	48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	305.10	43.48
		For Tempered Clear Insulated Glass, Add	*43.63*	
08 52 16 00-0824	EA	52-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	335.67	45.05
		For Tempered Clear Insulated Glass, Add	*49.12*	
08 52 16 00-0825	EA	59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	381.64	47.78
		For Tempered Clear Insulated Glass, Add	*57.21*	
08 52 16 00-0826	EA	64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	413.68	49.74
		For Tempered Clear Insulated Glass, Add	*62.84*	
08 52 16 00-0827	EA	71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	596.83	52.49
		For Tempered Clear Insulated Glass, Add	*98.37*	
08 52 16 00-0828		40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0812)*		
08 52 16 00-0829	EA	35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	257.68	40.74
		For Tempered Clear Insulated Glass, Add	*35.40*	
08 52 16 00-0830	EA	40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	289.72	42.30
		For Tempered Clear Insulated Glass, Add	*41.02*	
08 52 16 00-0831	EA	48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	337.15	45.44
		For Tempered Clear Insulated Glass, Add	*49.26*	
08 52 16 00-0832	EA	52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	367.72	47.00
		For Tempered Clear Insulated Glass, Add	*54.74*	
08 52 16 00-0833	EA	59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	413.68	50.13
		For Tempered Clear Insulated Glass, Add	*62.84*	
08 52 16 00-0834	EA	64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	445.72	51.70
		For Tempered Clear Insulated Glass, Add	*68.46*	
08 52 16 00-0835	EA	71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	491.67	54.83
		For Tempered Clear Insulated Glass, Add	*76.56*	
08 52 16 00-0836		48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0812)*		
08 52 16 00-0837	EA	35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	305.10	43.87
		For Tempered Clear Insulated Glass, Add	*43.63*	
08 52 16 00-0838	EA	40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	337.15	45.44
		For Tempered Clear Insulated Glass, Add	*49.26*	
08 52 16 00-0839	EA	48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	384.57	48.57
		For Tempered Clear Insulated Glass, Add	*57.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0840	EA	52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	415.15	50.13
		For Tempered Clear Insulated Glass, Add	*62.98*	
08 52 16 00-0841	EA	59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	461.10	53.27
		For Tempered Clear Insulated Glass, Add	*71.07*	
08 52 16 00-0842	EA	64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	493.15	54.83
		For Tempered Clear Insulated Glass, Add	*76.70*	
08 52 16 00-0843	EA	71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	539.10	57.96
		For Tempered Clear Insulated Glass, Add	*84.79*	
08 52 16 00-0844		52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0812)*		
08 52 16 00-0845	EA	35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	335.67	45.44
		For Tempered Clear Insulated Glass, Add	*49.12*	
08 52 16 00-0846	EA	40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	367.72	47.00
		For Tempered Clear Insulated Glass, Add	*54.74*	
08 52 16 00-0847	EA	48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	415.15	50.13
		For Tempered Clear Insulated Glass, Add	*62.98*	
08 52 16 00-0848	EA	52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	445.72	51.70
		For Tempered Clear Insulated Glass, Add	*68.46*	
08 52 16 00-0849	EA	59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	491.67	54.83
		For Tempered Clear Insulated Glass, Add	*76.56*	
08 52 16 00-0850	EA	64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	523.72	56.40
		For Tempered Clear Insulated Glass, Add	*82.18*	
08 52 16 00-0851	EA	71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	610.15	59.53
		For Tempered Clear Insulated Glass, Add	*98.37*	
08 52 16 00-0852		59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0812)*		
08 52 16 00-0853	EA	35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	381.64	47.78
		For Tempered Clear Insulated Glass, Add	*57.21*	
08 52 16 00-0854	EA	40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	413.68	50.13
		For Tempered Clear Insulated Glass, Add	*62.84*	
08 52 16 00-0855	EA	48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	461.10	52.88
		For Tempered Clear Insulated Glass, Add	*71.07*	
08 52 16 00-0856	EA	52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	491.67	54.44
		For Tempered Clear Insulated Glass, Add	*76.56*	
08 52 16 00-0857	EA	59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	537.64	57.19
		For Tempered Clear Insulated Glass, Add	*84.65*	
08 52 16 00-0858	EA	64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	569.68	59.14
		For Tempered Clear Insulated Glass, Add	*90.28*	
08 52 16 00-0859	EA	71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	615.64	61.88
		For Tempered Clear Insulated Glass, Add	*98.37*	
08 52 16 00-0860		64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0812)*		
08 52 16 00-0861	EA	35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	413.68	50.13
		For Tempered Clear Insulated Glass, Add	*62.84*	
08 52 16 00-0862	EA	40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	445.72	51.70
		For Tempered Clear Insulated Glass, Add	*68.46*	
08 52 16 00-0863	EA	48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	493.15	54.83
		For Tempered Clear Insulated Glass, Add	*76.70*	
08 52 16 00-0864	EA	52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	523.72	56.40
		For Tempered Clear Insulated Glass, Add	*82.18*	
08 52 16 00-0865	EA	59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	610.15	59.53
		For Tempered Clear Insulated Glass, Add	*98.37*	
08 52 16 00-0866		71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0812)*		
08 52 16 00-0867	EA	35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	459.63	52.49
		For Tempered Clear Insulated Glass, Add	*70.93*	
08 52 16 00-0868	EA	40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	491.67	54.83
		For Tempered Clear Insulated Glass, Add	*76.56*	
08 52 16 00-0869	EA	48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	539.10	57.57
		For Tempered Clear Insulated Glass, Add	*84.79*	
08 52 16 00-0870	EA	52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	569.68	59.14
		For Tempered Clear Insulated Glass, Add	*90.28*	
08 52 16 00-0871	EA	59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	615.64	61.88
		For Tempered Clear Insulated Glass, Add	*98.37*	
08 52 16 00-0872		Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-0811)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0873		12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-0872)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0874	EA	40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	233.02	31.33
		For Tempered Low-E Insulated Glass, Add	*34.07*	
08 52 16 00-0875	EA	48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	271.56	34.46
		For Tempered Low-E Insulated Glass, Add	*40.52*	
08 52 16 00-0876	EA	52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	288.20	36.03
		For Tempered Low-E Insulated Glass, Add	*43.23*	
08 52 16 00-0877	EA	59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	312.44	39.17
		For Tempered Low-E Insulated Glass, Add	*46.98*	
08 52 16 00-0878	EA	64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	329.11	40.74
		For Tempered Low-E Insulated Glass, Add	*49.53*	
08 52 16 00-0879	EA	71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	353.36	43.87
		For Tempered Low-E Insulated Glass, Add	*53.28*	

08 52 16 00-0880 35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-0872)*

08 52 16 00-0881	EA	35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	260.55	38.38
		For Tempered Low-E Insulated Glass, Add	*36.76*	
08 52 16 00-0882	EA	40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	299.20	40.74
		For Tempered Low-E Insulated Glass, Add	*43.70*	
08 52 16 00-0883	EA	48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	356.27	43.48
		For Tempered Low-E Insulated Glass, Add	*53.86*	
08 52 16 00-0884	EA	52-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	393.28	45.05
		For Tempered Low-E Insulated Glass, Add	*60.64*	
08 52 16 00-0885	EA	59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	448.74	47.78
		For Tempered Low-E Insulated Glass, Add	*70.63*	
08 52 16 00-0886	EA	64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	487.38	49.74
		For Tempered Low-E Insulated Glass, Add	*77.58*	
08 52 16 00-0887	EA	71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	712.21	52.49
		For Tempered Low-E Insulated Glass, Add	*121.45*	

08 52 16 00-0888 40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-0872)*

08 52 16 00-0889	EA	35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	299.20	40.74
		For Tempered Low-E Insulated Glass, Add	*43.70*	
08 52 16 00-0890	EA	40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	337.83	42.30
		For Tempered Low-E Insulated Glass, Add	*50.65*	
08 52 16 00-0891	EA	48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	394.92	45.44
		For Tempered Low-E Insulated Glass, Add	*60.81*	
08 52 16 00-0892	EA	52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	431.92	47.00
		For Tempered Low-E Insulated Glass, Add	*67.58*	
08 52 16 00-0893	EA	59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	487.38	50.13
		For Tempered Low-E Insulated Glass, Add	*77.58*	
08 52 16 00-0894	EA	64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	526.02	51.70
		For Tempered Low-E Insulated Glass, Add	*84.52*	
08 52 16 00-0895	EA	71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	581.47	54.83
		For Tempered Low-E Insulated Glass, Add	*94.52*	

08 52 16 00-0896 48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-0872)*

08 52 16 00-0897	EA	35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	356.27	43.87
		For Tempered Low-E Insulated Glass, Add	*53.86*	
08 52 16 00-0898	EA	40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	394.92	45.44
		For Tempered Low-E Insulated Glass, Add	*60.81*	
08 52 16 00-0899	EA	48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	451.99	48.57
		For Tempered Low-E Insulated Glass, Add	*70.97*	
08 52 16 00-0900	EA	52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	489.01	50.13
		For Tempered Low-E Insulated Glass, Add	*77.75*	
08 52 16 00-0901	EA	59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	544.46	53.27
		For Tempered Low-E Insulated Glass, Add	*87.74*	
08 52 16 00-0902	EA	64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	583.10	54.83
		For Tempered Low-E Insulated Glass, Add	*94.69*	
08 52 16 00-0903	EA	71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	638.55	57.96
		For Tempered Low-E Insulated Glass, Add	*104.68*	

08 52 16 00-0904 52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-0872)*

08 52 16 00-0905	EA	35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	393.28	45.44
		For Tempered Low-E Insulated Glass, Add	*60.64*	
08 52 16 00-0906	EA	40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	431.92	47.00
		For Tempered Low-E Insulated Glass, Add	*67.58*	
08 52 16 00-0907	EA	48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	489.01	50.13
		For Tempered Low-E Insulated Glass, Add	*77.75*	
08 52 16 00-0908	EA	52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	526.02	51.70
		For Tempered Low-E Insulated Glass, Add	*84.52*	
08 52 16 00-0909	EA	59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	581.47	54.83
		For Tempered Low-E Insulated Glass, Add	*94.52*	
08 52 16 00-0910	EA	64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	620.11	56.40
		For Tempered Low-E Insulated Glass, Add	*101.46*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0911	EA	71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	725.53	59.53
		For Tempered Low-E Insulated Glass, Add	*121.45*	
08 52 16 00-0912		59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-0872)*		
08 52 16 00-0913	EA	35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	448.74	47.78
		For Tempered Low-E Insulated Glass, Add	*70.63*	
08 52 16 00-0914	EA	40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	487.38	50.13
		For Tempered Low-E Insulated Glass, Add	*77.58*	
08 52 16 00-0915	EA	48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	544.46	52.88
		For Tempered Low-E Insulated Glass, Add	*87.74*	
08 52 16 00-0916	EA	52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	581.47	54.44
		For Tempered Low-E Insulated Glass, Add	*94.52*	
08 52 16 00-0917	EA	59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	636.92	57.19
		For Tempered Low-E Insulated Glass, Add	*104.51*	
08 52 16 00-0918	EA	64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	675.56	59.14
		For Tempered Low-E Insulated Glass, Add	*111.46*	
08 52 16 00-0919	EA	71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	731.02	61.88
		For Tempered Low-E Insulated Glass, Add	*121.45*	
08 52 16 00-0920		64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-0872)*		
08 52 16 00-0921	EA	35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	487.38	50.13
		For Tempered Low-E Insulated Glass, Add	*77.58*	
08 52 16 00-0922	EA	40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	526.02	51.70
		For Tempered Low-E Insulated Glass, Add	*84.52*	
08 52 16 00-0923	EA	48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	583.10	54.83
		For Tempered Low-E Insulated Glass, Add	*94.69*	
08 52 16 00-0924	EA	52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	620.11	56.40
		For Tempered Low-E Insulated Glass, Add	*101.46*	
08 52 16 00-0925	EA	59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	725.53	59.53
		For Tempered Low-E Insulated Glass, Add	*121.45*	
08 52 16 00-0926		71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-0872)*		
08 52 16 00-0927	EA	35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	542.82	52.49
		For Tempered Low-E Insulated Glass, Add	*87.57*	
08 52 16 00-0928	EA	40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	581.47	54.83
		For Tempered Low-E Insulated Glass, Add	*94.52*	
08 52 16 00-0929	EA	48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	638.55	57.57
		For Tempered Low-E Insulated Glass, Add	*104.68*	
08 52 16 00-0930	EA	52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	675.56	59.14
		For Tempered Low-E Insulated Glass, Add	*111.46*	
08 52 16 00-0931	EA	59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	731.02	61.88
		For Tempered Low-E Insulated Glass, Add	*121.45*	
08 52 16 00-0932		Picture Wood Clad Windows For Double Hung Windows *(08 52 16 00-0810)*		
08 52 16 00-0933		Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-0932)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0934		35-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-0933)*		
08 52 16 00-0935	EA	56-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	289.28	48.96
		For Tempered Clear Insulated Glass, Add	*38.27*	
08 52 16 00-0936	EA	59-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	296.89	50.13
		For Tempered Clear Insulated Glass, Add	*39.32*	
08 52 16 00-0937		47-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-0933)*		
08 52 16 00-0938	EA	47-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	296.89	50.13
		For Tempered Clear Insulated Glass, Add	*39.32*	
08 52 16 00-0939	EA	71-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	359.21	59.53
		For Tempered Clear Insulated Glass, Add	*48.03*	
08 52 16 00-0940		53-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-0933)*		
08 52 16 00-0941	EA	56-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	336.40	56.01
		For Tempered Clear Insulated Glass, Add	*44.88*	
08 52 16 00-0942	EA	59-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	344.01	57.19
		For Tempered Clear Insulated Glass, Add	*45.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0943		56-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-0933)*		
08 52 16 00-0944	EA	35-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	289.28	49.36
		For Tempered Clear Insulated Glass, Add	*38.27*	
08 52 16 00-0945	EA	53-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	336.40	56.01
		For Tempered Clear Insulated Glass, Add	*44.88*	
08 52 16 00-0946		59-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-0933)*		
08 52 16 00-0947	EA	35-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	296.89	50.13
		For Tempered Clear Insulated Glass, Add	*39.32*	
08 52 16 00-0948	EA	53-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	344.01	57.19
		For Tempered Clear Insulated Glass, Add	*45.93*	
08 52 16 00-0949	EA	59-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	359.21	59.53
		For Tempered Clear Insulated Glass, Add	*48.03*	
08 52 16 00-0950	EA	65-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	375.17	61.88
		For Tempered Clear Insulated Glass, Add	*50.28*	
08 52 16 00-0951		65-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-0933)*		
08 52 16 00-0952	EA	59-1/2" x 65-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	375.17	61.88
		For Tempered Clear Insulated Glass, Add	*50.28*	
08 52 16 00-0953		71-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-0933)*		
08 52 16 00-0954	EA	47-1/2" x 71-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	359.21	59.53
		For Tempered Clear Insulated Glass, Add	*48.03*	
08 52 16 00-0955		Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-0932)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0956		48-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-0955)*		
08 52 16 00-0957	EA	12" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	308.52	36.82
		For Tempered Low-E Insulated Glass, Add	*46.98*	
08 52 16 00-0958	EA	37-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	427.16	47.00
		For Tempered Low-E Insulated Glass, Add	*66.79*	
08 52 16 00-0959	EA	41-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	445.31	48.18
		For Tempered Low-E Insulated Glass, Add	*69.79*	
08 52 16 00-0960	EA	47-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	472.52	50.52
		For Tempered Low-E Insulated Glass, Add	*74.29*	
08 52 16 00-0961	EA	51-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	490.67	52.49
		For Tempered Low-E Insulated Glass, Add	*77.30*	
08 52 16 00-0962	EA	59-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	527.70	55.23
		For Tempered Low-E Insulated Glass, Add	*83.45*	
08 52 16 00-0963	EA	67-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	564.72	58.75
		For Tempered Low-E Insulated Glass, Add	*89.60*	
08 52 16 00-0964		52-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-0955)*		
08 52 16 00-0965	EA	12" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	327.42	38.38
		For Tempered Low-E Insulated Glass, Add	*50.13*	
08 52 16 00-0966	EA	37-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	445.31	48.57
		For Tempered Low-E Insulated Glass, Add	*69.79*	
08 52 16 00-0967	EA	41-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	464.20	49.74
		For Tempered Low-E Insulated Glass, Add	*72.94*	
08 52 16 00-0968	EA	47-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	490.67	52.09
		For Tempered Low-E Insulated Glass, Add	*77.30*	
08 52 16 00-0969	EA	51-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	509.56	54.05
		For Tempered Low-E Insulated Glass, Add	*80.45*	
08 52 16 00-0970	EA	59-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	546.58	56.80
		For Tempered Low-E Insulated Glass, Add	*86.60*	
08 52 16 00-0971	EA	67-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	583.62	60.32
		For Tempered Low-E Insulated Glass, Add	*92.75*	
08 52 16 00-0972		56-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-0955)*		
08 52 16 00-0973	EA	12" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	345.56	39.95
		For Tempered Low-E Insulated Glass, Add	*53.13*	
08 52 16 00-0974	EA	37-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	464.20	50.13
		For Tempered Low-E Insulated Glass, Add	*72.94*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0975	EA	41-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	482.34	51.31
		For Tempered Low-E Insulated Glass, Add	*75.94*	
08 52 16 00-0976	EA	47-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	509.56	53.65
		For Tempered Low-E Insulated Glass, Add	*80.45*	
08 52 16 00-0977	EA	51-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	527.70	55.62
		For Tempered Low-E Insulated Glass, Add	*83.45*	
08 52 16 00-0978	EA	59-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	564.72	58.36
		For Tempered Low-E Insulated Glass, Add	*89.60*	
08 52 16 00-0979	EA	67-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	602.52	61.88
		For Tempered Low-E Insulated Glass, Add	*95.91*	

08 52 16 00-0980 60-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-0955)*

08 52 16 00-0981	EA	12" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	364.45	41.52
		For Tempered Low-E Insulated Glass, Add	*56.28*	
08 52 16 00-0982	EA	37-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	482.34	51.70
		For Tempered Low-E Insulated Glass, Add	*75.94*	
08 52 16 00-0983	EA	41-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	501.23	52.88
		For Tempered Low-E Insulated Glass, Add	*79.10*	
08 52 16 00-0984	EA	47-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	527.70	55.23
		For Tempered Low-E Insulated Glass, Add	*83.45*	
08 52 16 00-0985	EA	51-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	546.58	57.19
		For Tempered Low-E Insulated Glass, Add	*86.60*	
08 52 16 00-0986	EA	59-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	583.62	59.93
		For Tempered Low-E Insulated Glass, Add	*92.75*	
08 52 16 00-0987	EA	67-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	620.66	63.45
		For Tempered Low-E Insulated Glass, Add	*98.91*	

08 52 16 00-0988 64-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-0955)*

08 52 16 00-0989	EA	12" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	382.59	43.08
		For Tempered Low-E Insulated Glass, Add	*59.28*	
08 52 16 00-0990	EA	37-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	501.23	53.27
		For Tempered Low-E Insulated Glass, Add	*79.10*	
08 52 16 00-0991	EA	41-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	520.12	54.44
		For Tempered Low-E Insulated Glass, Add	*82.25*	
08 52 16 00-0992	EA	47-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	546.58	56.80
		For Tempered Low-E Insulated Glass, Add	*86.60*	
08 52 16 00-0993	EA	51-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	564.72	58.75
		For Tempered Low-E Insulated Glass, Add	*89.60*	
08 52 16 00-0994	EA	59-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	602.52	61.49
		For Tempered Low-E Insulated Glass, Add	*95.91*	
08 52 16 00-0995	EA	67-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	639.55	65.02
		For Tempered Low-E Insulated Glass, Add	*102.06*	

08 52 16 00-0996 68-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-0955)*

08 52 16 00-0997	EA	12" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	401.48	44.65
		For Tempered Low-E Insulated Glass, Add	*62.44*	
08 52 16 00-0998	EA	37-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	520.12	54.83
		For Tempered Low-E Insulated Glass, Add	*82.25*	
08 52 16 00-0999	EA	41-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	538.27	56.01
		For Tempered Low-E Insulated Glass, Add	*85.25*	
08 52 16 00-1000	EA	47-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	564.72	58.36
		For Tempered Low-E Insulated Glass, Add	*89.60*	
08 52 16 00-1001	EA	51-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	583.62	60.32
		For Tempered Low-E Insulated Glass, Add	*92.75*	
08 52 16 00-1002	EA	59-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	620.66	63.06
		For Tempered Low-E Insulated Glass, Add	*98.91*	
08 52 16 00-1003	EA	67-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	657.70	66.58
		For Tempered Low-E Insulated Glass, Add	*105.06*	

08 52 16 00-1004 72-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-0955)*

08 52 16 00-1005	EA	12" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	419.63	46.21
		For Tempered Low-E Insulated Glass, Add	*65.44*	
08 52 16 00-1006	EA	37-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	538.27	56.40
		For Tempered Low-E Insulated Glass, Add	*85.25*	
08 52 16 00-1007	EA	41-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	557.16	57.57
		For Tempered Low-E Insulated Glass, Add	*88.40*	
08 52 16 00-1008	EA	47-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	583.62	59.93
		For Tempered Low-E Insulated Glass, Add	*92.75*	
08 52 16 00-1009	EA	51-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	602.52	61.88
		For Tempered Low-E Insulated Glass, Add	*95.91*	
08 52 16 00-1010	EA	59-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	639.55	64.63
		For Tempered Low-E Insulated Glass, Add	*102.06*	
08 52 16 00-1011	EA	67-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	676.59	68.15
		For Tempered Low-E Insulated Glass, Add	*108.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1012		76-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-0955)*		
08 52 16 00-1013	EA	12" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	438.52	47.78
		For Tempered Low-E Insulated Glass, Add	*68.59*	
08 52 16 00-1014	EA	37-5/8" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	557.16	57.96
		For Tempered Low-E Insulated Glass, Add	*88.40*	
08 52 16 00-1015	EA	41-5/8" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	575.30	59.14
		For Tempered Low-E Insulated Glass, Add	*91.40*	
08 52 16 00-1016	EA	47-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	602.52	61.49
		For Tempered Low-E Insulated Glass, Add	*95.91*	
08 52 16 00-1017	EA	51-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	620.66	63.45
		For Tempered Low-E Insulated Glass, Add	*98.91*	
08 52 16 00-1018	EA	59-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	657.70	66.19
		For Tempered Low-E Insulated Glass, Add	*105.06*	
08 52 16 00-1019	EA	67-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	694.73	69.71
		For Tempered Low-E Insulated Glass, Add	*111.22*	
08 52 16 00-1020		Picture Wood Clad Windows For Horizontal Sliding Windows *(08 52 16 00-0810)*		
08 52 16 00-1021		Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1020)* Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-1022		35-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1021)*		
08 52 16 00-1023	EA	56-1/2" x 35-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	289.28	48.96
		For Tempered Clear Insulated Glass, Add	*38.27*	
08 52 16 00-1024	EA	59-1/2" x 35-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	296.89	50.13
		For Tempered Clear Insulated Glass, Add	*39.32*	
08 52 16 00-1025		47-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1021)*		
08 52 16 00-1026	EA	47-1/2" x 47-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	296.89	50.13
		For Tempered Clear Insulated Glass, Add	*39.32*	
08 52 16 00-1027	EA	71-1/2" x 47-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	359.21	59.53
		For Tempered Clear Insulated Glass, Add	*48.03*	
08 52 16 00-1028		53-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1021)*		
08 52 16 00-1029	EA	56-1/2" x 53-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	336.40	56.01
		For Tempered Clear Insulated Glass, Add	*44.88*	
08 52 16 00-1030	EA	59-1/2" x 53-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	344.01	57.19
		For Tempered Clear Insulated Glass, Add	*45.93*	
08 52 16 00-1031		56-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1021)*		
08 52 16 00-1032	EA	35-1/2" x 56-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	289.28	49.36
		For Tempered Clear Insulated Glass, Add	*38.27*	
08 52 16 00-1033	EA	53-1/2" x 56-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	336.40	56.01
		For Tempered Clear Insulated Glass, Add	*44.88*	
08 52 16 00-1034		59-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1021)*		
08 52 16 00-1035	EA	35-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	296.89	50.13
		For Tempered Clear Insulated Glass, Add	*39.32*	
08 52 16 00-1036	EA	53-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	344.01	57.19
		For Tempered Clear Insulated Glass, Add	*45.93*	
08 52 16 00-1037	EA	59-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	359.21	59.53
		For Tempered Clear Insulated Glass, Add	*48.03*	
08 52 16 00-1038	EA	65-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	375.17	61.88
		For Tempered Clear Insulated Glass, Add	*50.28*	
08 52 16 00-1039		65-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1021)*		
08 52 16 00-1040	EA	59-1/2" x 65-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	375.17	61.88
		For Tempered Clear Insulated Glass, Add	*50.28*	
08 52 16 00-1041		71-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1021)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1042	EA	47-1/2" x 71-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	359.21	59.53
		For Tempered Clear Insulated Glass, Add	*48.03*	

08 52 16 00-1043 Basement Wood Clad Windows *(08 52 16)*

08 52 16 00-1044 Basement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-1043)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware, Low-E insulated glass and insect screens. Excludes grilles.

08 52 16 00-1045	EA	32-1/4" x 15-3/4", Basement Wood Clad Window (Andersen 400 Series)	157.44	31.33
08 52 16 00-1046	EA	32-1/4" x 19-3/4", Basement Wood Clad Window (Andersen 400 Series)	164.56	31.33
08 52 16 00-1047	EA	32-1/4" x 23-3/4", Basement Wood Clad Window (Andersen 400 Series)	170.82	31.33

08 52 16 00-1048 Factory Installed Grilles For Wood Clad Windows *(08 52 16)*

08 52 16 00-1049 Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows *(08 52 16 00-1048)*

08 52 16 00-1050	EA	Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	18.52	
08 52 16 00-1051	EA	>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	27.29	
08 52 16 00-1052	EA	>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	37.03	
08 52 16 00-1053	EA	>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	46.78	
08 52 16 00-1054	EA	>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	66.27	

08 52 16 00-1055 Fixed Exterior And Removable Interior Grilles, Factory Installed Grilles For Wood Clad Windows *(08 52 16 00-1048)*

08 52 16 00-1056	EA	Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	29.63	
08 52 16 00-1057	EA	>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	43.66	
08 52 16 00-1058	EA	>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	59.26	
08 52 16 00-1059	EA	>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	74.85	
08 52 16 00-1060	EA	>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	106.04	

08 52 16 00-1061 Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows *(08 52 16 00-1048)*

08 52 16 00-1062	EA	Up To 9 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	35.55	
08 52 16 00-1063	EA	>9 To 18 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	52.39	
08 52 16 00-1064	EA	>18 To 24 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	71.11	
08 52 16 00-1065	EA	>24 To 36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	89.82	
08 52 16 00-1066	EA	>36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	127.24	

08 52 16 00-1067 Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows *(08 52 16 00-1048)*

08 52 16 00-1068	EA	Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	42.67	
08 52 16 00-1069	EA	>9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	62.87	
08 52 16 00-1070	EA	>18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	85.33	
08 52 16 00-1071	EA	>24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	107.78	
08 52 16 00-1072	EA	>36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	152.69	

08 52 19 Wood Windows *(08 52)*

08 52 19 00-0001 Sash-Only Replacement Kits For Double Hung Wood Windows *(08 52 19)*

Note: Includes demo of the existing sashes and jamb liners. Includes two sashes, jamb liners, insulated glass and all hardware needed for installation. Includes primed pine wood interior and exterior. Excludes window frame, trim, insect screens and grilles.

08 52 19 00-0002 30" Height, Sash-Only Replacement Kits For Double Hung Wood Windows *(08 52 19 00-0001)*

08 52 19 00-0003	EA	20" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	233.45	
		For Low-E Insulated Glass, Add	*19.48*	
		For Aluminum Clad Exterior, Add	*20.87*	
08 52 19 00-0004	EA	24" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	247.85	
		For Low-E Insulated Glass, Add	*20.88*	
		For Aluminum Clad Exterior, Add	*22.37*	
08 52 19 00-0005	EA	28" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	263.25	
		For Low-E Insulated Glass, Add	*22.42*	
		For Aluminum Clad Exterior, Add	*24.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 19 00-0006	EA	30" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	271.46	
		For Low-E Insulated Glass, Add	*23.26*	
		For Aluminum Clad Exterior, Add	*24.93*	
08 52 19 00-0007	EA	32" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	278.64	
		For Low-E Insulated Glass, Add	*23.96*	
		For Aluminum Clad Exterior, Add	*25.68*	
08 52 19 00-0008	EA	34" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	287.85	
		For Low-E Insulated Glass, Add	*24.95*	
		For Aluminum Clad Exterior, Add	*26.73*	
08 52 19 00-0009	EA	36" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	292.07	
		For Low-E Insulated Glass, Add	*25.23*	
		For Aluminum Clad Exterior, Add	*27.03*	
08 52 19 00-0010	EA	40" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	310.44	
		For Low-E Insulated Glass, Add	*27.19*	
		For Aluminum Clad Exterior, Add	*29.13*	
08 52 19 00-0011	EA	44" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	325.84	
		For Low-E Insulated Glass, Add	*28.73*	
		For Aluminum Clad Exterior, Add	*30.78*	
08 52 19 00-0012		34" Height, Sash-Only Replacement Kits For Double Hung Wood Windows *(08 52 19 00-0001)*		
08 52 19 00-0013	EA	20" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	247.85	
		For Low-E Insulated Glass, Add	*20.88*	
		For Aluminum Clad Exterior, Add	*22.37*	
08 52 19 00-0014	EA	24" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	263.25	
		For Low-E Insulated Glass, Add	*22.42*	
		For Aluminum Clad Exterior, Add	*24.02*	
08 52 19 00-0015	EA	28" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	276.46	
		For Low-E Insulated Glass, Add	*23.96*	
		For Aluminum Clad Exterior, Add	*25.68*	
08 52 19 00-0016	EA	30" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	287.85	
		For Low-E Insulated Glass, Add	*24.95*	
		For Aluminum Clad Exterior, Add	*26.73*	
08 52 19 00-0017	EA	32" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	295.04	
		For Low-E Insulated Glass, Add	*25.65*	
		For Aluminum Clad Exterior, Add	*27.48*	
08 52 19 00-0018	EA	34" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	303.25	
		For Low-E Insulated Glass, Add	*26.49*	
		For Aluminum Clad Exterior, Add	*28.38*	
08 52 19 00-0019	EA	36" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	310.44	
		For Low-E Insulated Glass, Add	*27.19*	
		For Aluminum Clad Exterior, Add	*29.13*	
08 52 19 00-0020	EA	40" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	325.84	
		For Low-E Insulated Glass, Add	*28.73*	
		For Aluminum Clad Exterior, Add	*30.78*	
08 52 19 00-0021	EA	44" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	341.24	
		For Low-E Insulated Glass, Add	*30.27*	
		For Aluminum Clad Exterior, Add	*32.43*	
08 52 19 00-0022		36" Height, Sash-Only Replacement Kits For Double Hung Wood Windows *(08 52 19 00-0001)*		
08 52 19 00-0023	EA	20" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	254.96	
		For Low-E Insulated Glass, Add	*21.72*	
		For Aluminum Clad Exterior, Add	*23.27*	
08 52 19 00-0024	EA	24" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	270.36	
		For Low-E Insulated Glass, Add	*23.26*	
		For Aluminum Clad Exterior, Add	*24.93*	
08 52 19 00-0025	EA	28" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	286.75	
		For Low-E Insulated Glass, Add	*24.95*	
		For Aluminum Clad Exterior, Add	*26.73*	
08 52 19 00-0026	EA	30" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	293.94	
		For Low-E Insulated Glass, Add	*25.65*	
		For Aluminum Clad Exterior, Add	*27.48*	
08 52 19 00-0027	EA	32" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	302.15	
		For Low-E Insulated Glass, Add	*26.49*	
		For Aluminum Clad Exterior, Add	*28.38*	
08 52 19 00-0028	EA	34" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	309.34	
		For Low-E Insulated Glass, Add	*27.19*	
		For Aluminum Clad Exterior, Add	*29.13*	
08 52 19 00-0029	EA	36" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	317.55	
		For Low-E Insulated Glass, Add	*28.03*	
		For Aluminum Clad Exterior, Add	*30.03*	
08 52 19 00-0030	EA	40" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	331.94	
		For Low-E Insulated Glass, Add	*29.43*	
		For Aluminum Clad Exterior, Add	*31.53*	
08 52 19 00-0031	EA	44" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	347.34	
		For Low-E Insulated Glass, Add	*30.97*	
		For Aluminum Clad Exterior, Add	*33.18*	
08 52 19 00-0032		38" Height, Sash-Only Replacement Kits For Double Hung Wood Windows *(08 52 19 00-0001)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 19 00-0033	EA	20" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	264.35	
		For Low-E Insulated Glass, Add	*22.42*	
		For Aluminum Clad Exterior, Add	*24.02*	
08 52 19 00-0034	EA	24" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	279.74	
		For Low-E Insulated Glass, Add	*23.96*	
		For Aluminum Clad Exterior, Add	*25.68*	
08 52 19 00-0035	EA	28" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	296.14	
		For Low-E Insulated Glass, Add	*25.65*	
		For Aluminum Clad Exterior, Add	*27.48*	
08 52 19 00-0036	EA	30" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	304.34	
		For Low-E Insulated Glass, Add	*26.49*	
		For Aluminum Clad Exterior, Add	*28.38*	
08 52 19 00-0037	EA	32" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	311.54	
		For Low-E Insulated Glass, Add	*27.19*	
		For Aluminum Clad Exterior, Add	*29.13*	
08 52 19 00-0038	EA	34" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	319.74	
		For Low-E Insulated Glass, Add	*28.03*	
		For Aluminum Clad Exterior, Add	*30.03*	
08 52 19 00-0039	EA	36" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	326.93	
		For Low-E Insulated Glass, Add	*28.73*	
		For Aluminum Clad Exterior, Add	*30.78*	
08 52 19 00-0040	EA	40" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	342.34	
		For Low-E Insulated Glass, Add	*30.27*	
		For Aluminum Clad Exterior, Add	*32.43*	
08 52 19 00-0041	EA	44" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	357.74	
		For Low-E Insulated Glass, Add	*31.81*	
		For Aluminum Clad Exterior, Add	*34.08*	

08 52 19 00-0042 46" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 19 00-0001)

08 52 19 00-0043	EA	20" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	295.04	
		For Low-E Insulated Glass, Add	*25.65*	
		For Aluminum Clad Exterior, Add	*27.48*	
08 52 19 00-0044	EA	24" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	310.44	
		For Low-E Insulated Glass, Add	*27.19*	
		For Aluminum Clad Exterior, Add	*29.13*	
08 52 19 00-0045	EA	28" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	325.84	
		For Low-E Insulated Glass, Add	*28.73*	
		For Aluminum Clad Exterior, Add	*30.78*	
08 52 19 00-0046	EA	30" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	333.03	
		For Low-E Insulated Glass, Add	*29.43*	
		For Aluminum Clad Exterior, Add	*31.53*	
08 52 19 00-0047	EA	32" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	341.24	
		For Low-E Insulated Glass, Add	*30.27*	
		For Aluminum Clad Exterior, Add	*32.43*	
08 52 19 00-0048	EA	34" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	348.43	
		For Low-E Insulated Glass, Add	*30.97*	
		For Aluminum Clad Exterior, Add	*33.18*	
08 52 19 00-0049	EA	36" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	356.64	
		For Low-E Insulated Glass, Add	*31.81*	
		For Aluminum Clad Exterior, Add	*34.08*	
08 52 19 00-0050	EA	40" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	372.04	
		For Low-E Insulated Glass, Add	*33.35*	
		For Aluminum Clad Exterior, Add	*35.74*	
08 52 19 00-0051	EA	44" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	388.43	
		For Low-E Insulated Glass, Add	*35.04*	
		For Aluminum Clad Exterior, Add	*37.54*	

08 52 19 00-0052 48" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 19 00-0001)

08 52 19 00-0053	EA	20" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	302.15	
		For Low-E Insulated Glass, Add	*26.49*	
		For Aluminum Clad Exterior, Add	*28.38*	
08 52 19 00-0054	EA	24" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	317.55	
		For Low-E Insulated Glass, Add	*28.03*	
		For Aluminum Clad Exterior, Add	*30.03*	
08 52 19 00-0055	EA	28" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	331.94	
		For Low-E Insulated Glass, Add	*29.43*	
		For Aluminum Clad Exterior, Add	*31.53*	
08 52 19 00-0056	EA	30" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	340.14	
		For Low-E Insulated Glass, Add	*30.27*	
		For Aluminum Clad Exterior, Add	*32.43*	
08 52 19 00-0057	EA	32" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	347.34	
		For Low-E Insulated Glass, Add	*30.97*	
		For Aluminum Clad Exterior, Add	*33.18*	
08 52 19 00-0058	EA	34" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	355.54	
		For Low-E Insulated Glass, Add	*31.81*	
		For Aluminum Clad Exterior, Add	*34.08*	
08 52 19 00-0059	EA	36" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	362.74	
		For Low-E Insulated Glass, Add	*32.51*	
		For Aluminum Clad Exterior, Add	*34.83*	
08 52 19 00-0060	EA	40" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	379.14	
		For Low-E Insulated Glass, Add	*34.19*	
		For Aluminum Clad Exterior, Add	*36.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 19 00-0061	EA	44" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	394.54	
		For Low-E Insulated Glass, Add	*35.74*	
		For Aluminum Clad Exterior, Add	*38.29*	
08 52 19 00-0062		50" Height, Sash-Only Replacement Kits For Double Hung Wood Windows *(08 52 19 00-0001)*		
08 52 19 00-0063	EA	20" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	311.54	
		For Low-E Insulated Glass, Add	*27.19*	
		For Aluminum Clad Exterior, Add	*29.13*	
08 52 19 00-0064	EA	24" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	326.93	
		For Low-E Insulated Glass, Add	*28.73*	
		For Aluminum Clad Exterior, Add	*30.78*	
08 52 19 00-0065	EA	28" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	342.34	
		For Low-E Insulated Glass, Add	*30.27*	
		For Aluminum Clad Exterior, Add	*32.43*	
08 52 19 00-0066	EA	30" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	349.53	
		For Low-E Insulated Glass, Add	*30.97*	
		For Aluminum Clad Exterior, Add	*33.18*	
08 52 19 00-0067	EA	32" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	357.74	
		For Low-E Insulated Glass, Add	*31.81*	
		For Aluminum Clad Exterior, Add	*34.08*	
08 52 19 00-0068	EA	34" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	364.93	
		For Low-E Insulated Glass, Add	*32.51*	
		For Aluminum Clad Exterior, Add	*34.83*	
08 52 19 00-0069	EA	36" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	373.14	
		For Low-E Insulated Glass, Add	*33.35*	
		For Aluminum Clad Exterior, Add	*35.74*	
08 52 19 00-0070	EA	40" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	389.53	
		For Low-E Insulated Glass, Add	*35.04*	
		For Aluminum Clad Exterior, Add	*37.54*	
08 52 19 00-0071	EA	44" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	404.93	
		For Low-E Insulated Glass, Add	*36.58*	
		For Aluminum Clad Exterior, Add	*39.19*	
08 52 19 00-0072		54" Height, Sash-Only Replacement Kits For Double Hung Wood Windows *(08 52 19 00-0001)*		
08 52 19 00-0073	EA	20" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	326.93	
		For Low-E Insulated Glass, Add	*28.73*	
		For Aluminum Clad Exterior, Add	*30.78*	
08 52 19 00-0074	EA	24" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	342.34	
		For Low-E Insulated Glass, Add	*30.27*	
		For Aluminum Clad Exterior, Add	*32.43*	
08 52 19 00-0075	EA	28" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	357.74	
		For Low-E Insulated Glass, Add	*31.81*	
		For Aluminum Clad Exterior, Add	*34.08*	
08 52 19 00-0076	EA	30" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	364.93	
		For Low-E Insulated Glass, Add	*32.51*	
		For Aluminum Clad Exterior, Add	*34.83*	
08 52 19 00-0077	EA	32" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	373.14	
		For Low-E Insulated Glass, Add	*33.35*	
		For Aluminum Clad Exterior, Add	*35.74*	
08 52 19 00-0078	EA	34" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	381.32	
		For Low-E Insulated Glass, Add	*34.19*	
		For Aluminum Clad Exterior, Add	*36.64*	
08 52 19 00-0079	EA	36" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	389.53	
		For Low-E Insulated Glass, Add	*35.04*	
		For Aluminum Clad Exterior, Add	*37.54*	
08 52 19 00-0080	EA	40" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	404.93	
		For Low-E Insulated Glass, Add	*36.58*	
		For Aluminum Clad Exterior, Add	*39.19*	
08 52 19 00-0081	EA	44" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	420.33	
		For Low-E Insulated Glass, Add	*38.12*	
		For Aluminum Clad Exterior, Add	*40.84*	
08 52 19 00-0082		58" Height, Sash-Only Replacement Kits For Double Hung Wood Windows *(08 52 19 00-0001)*		
08 52 19 00-0083	EA	20" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	341.24	
		For Low-E Insulated Glass, Add	*30.27*	
		For Aluminum Clad Exterior, Add	*32.43*	
08 52 19 00-0084	EA	24" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	356.64	
		For Low-E Insulated Glass, Add	*31.81*	
		For Aluminum Clad Exterior, Add	*34.08*	
08 52 19 00-0085	EA	28" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	372.04	
		For Low-E Insulated Glass, Add	*33.35*	
		For Aluminum Clad Exterior, Add	*35.74*	
08 52 19 00-0086	EA	30" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	380.22	
		For Low-E Insulated Glass, Add	*34.19*	
		For Aluminum Clad Exterior, Add	*36.64*	
08 52 19 00-0087	EA	32" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	388.43	
		For Low-E Insulated Glass, Add	*35.04*	
		For Aluminum Clad Exterior, Add	*37.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 19 00-0088	EA	34" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	395.63	
		For Low-E Insulated Glass, Add	*35.74*	
		For Aluminum Clad Exterior, Add	*38.29*	
08 52 19 00-0089	EA	36" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	403.83	
		For Low-E Insulated Glass, Add	*36.58*	
		For Aluminum Clad Exterior, Add	*39.19*	
08 52 19 00-0090	EA	40" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	419.23	
		For Low-E Insulated Glass, Add	*38.12*	
		For Aluminum Clad Exterior, Add	*40.84*	
08 52 19 00-0091	EA	44" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	433.62	
		For Low-E Insulated Glass, Add	*39.52*	
		For Aluminum Clad Exterior, Add	*42.34*	

08 52 19 00-0092 60" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 19 00-0001)

08 52 19 00-0093	EA	20" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	347.34	
		For Low-E Insulated Glass, Add	*30.97*	
		For Aluminum Clad Exterior, Add	*33.18*	
08 52 19 00-0094	EA	24" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	362.74	
		For Low-E Insulated Glass, Add	*32.51*	
		For Aluminum Clad Exterior, Add	*34.83*	
08 52 19 00-0095	EA	28" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	379.14	
		For Low-E Insulated Glass, Add	*34.19*	
		For Aluminum Clad Exterior, Add	*36.64*	
08 52 19 00-0096	EA	30" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	387.33	
		For Low-E Insulated Glass, Add	*35.04*	
		For Aluminum Clad Exterior, Add	*37.54*	
08 52 19 00-0097	EA	32" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	394.54	
		For Low-E Insulated Glass, Add	*35.74*	
		For Aluminum Clad Exterior, Add	*38.29*	
08 52 19 00-0098	EA	34" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	402.73	
		For Low-E Insulated Glass, Add	*36.58*	
		For Aluminum Clad Exterior, Add	*39.19*	
08 52 19 00-0099	EA	36" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	409.94	
		For Low-E Insulated Glass, Add	*37.28*	
		For Aluminum Clad Exterior, Add	*39.94*	
08 52 19 00-0100	EA	40" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	425.34	
		For Low-E Insulated Glass, Add	*38.82*	
		For Aluminum Clad Exterior, Add	*41.59*	
08 52 19 00-0101	EA	44" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	440.73	
		For Low-E Insulated Glass, Add	*40.36*	
		For Aluminum Clad Exterior, Add	*43.24*	

08 52 19 00-0102 62" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 19 00-0001)

08 52 19 00-0103	EA	20" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	357.74	
		For Low-E Insulated Glass, Add	*31.81*	
		For Aluminum Clad Exterior, Add	*34.08*	
08 52 19 00-0104	EA	24" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	373.14	
		For Low-E Insulated Glass, Add	*33.35*	
		For Aluminum Clad Exterior, Add	*35.74*	
08 52 19 00-0105	EA	28" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	389.53	
		For Low-E Insulated Glass, Add	*35.04*	
		For Aluminum Clad Exterior, Add	*37.54*	
08 52 19 00-0106	EA	30" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	396.73	
		For Low-E Insulated Glass, Add	*35.74*	
		For Aluminum Clad Exterior, Add	*38.29*	
08 52 19 00-0107	EA	32" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	404.93	
		For Low-E Insulated Glass, Add	*36.58*	
		For Aluminum Clad Exterior, Add	*39.19*	
08 52 19 00-0108	EA	34" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	412.13	
		For Low-E Insulated Glass, Add	*37.28*	
		For Aluminum Clad Exterior, Add	*39.94*	
08 52 19 00-0109	EA	36" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	420.33	
		For Low-E Insulated Glass, Add	*38.12*	
		For Aluminum Clad Exterior, Add	*40.84*	
08 52 19 00-0110	EA	40" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	434.72	
		For Low-E Insulated Glass, Add	*39.52*	
		For Aluminum Clad Exterior, Add	*42.34*	
08 52 19 00-0111	EA	44" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	450.12	
		For Low-E Insulated Glass, Add	*41.06*	
		For Aluminum Clad Exterior, Add	*43.99*	

08 52 19 00-0112 66" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 19 00-0001)

08 52 19 00-0113	EA	20" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	373.14	
		For Low-E Insulated Glass, Add	*33.35*	
		For Aluminum Clad Exterior, Add	*35.74*	
08 52 19 00-0114	EA	24" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	389.53	
		For Low-E Insulated Glass, Add	*35.04*	
		For Aluminum Clad Exterior, Add	*37.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 19 00-0115	EA	28" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	404.93	
		For Low-E Insulated Glass, Add	*36.58*	
		For Aluminum Clad Exterior, Add	*39.19*	
08 52 19 00-0116	EA	30" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	412.13	
		For Low-E Insulated Glass, Add	*37.28*	
		For Aluminum Clad Exterior, Add	*39.94*	
08 52 19 00-0117	EA	32" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	420.33	
		For Low-E Insulated Glass, Add	*38.12*	
		For Aluminum Clad Exterior, Add	*40.84*	
08 52 19 00-0118	EA	34" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	427.52	
		For Low-E Insulated Glass, Add	*38.82*	
		For Aluminum Clad Exterior, Add	*41.59*	
08 52 19 00-0119	EA	36" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	434.72	
		For Low-E Insulated Glass, Add	*39.52*	
		For Aluminum Clad Exterior, Add	*42.34*	
08 52 19 00-0120	EA	40" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	450.12	
		For Low-E Insulated Glass, Add	*41.06*	
		For Aluminum Clad Exterior, Add	*43.99*	
08 52 19 00-0121	EA	44" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	465.52	
		For Low-E Insulated Glass, Add	*42.60*	
		For Aluminum Clad Exterior, Add	*45.65*	

08 52 19 00-0122 70" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 19 00-0001)

08 52 19 00-0123	EA	20" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	388.43	
		For Low-E Insulated Glass, Add	*35.04*	
		For Aluminum Clad Exterior, Add	*37.54*	
08 52 19 00-0124	EA	24" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	403.83	
		For Low-E Insulated Glass, Add	*36.58*	
		For Aluminum Clad Exterior, Add	*39.19*	
08 52 19 00-0125	EA	28" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	419.23	
		For Low-E Insulated Glass, Add	*38.12*	
		For Aluminum Clad Exterior, Add	*40.84*	
08 52 19 00-0126	EA	30" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	426.43	
		For Low-E Insulated Glass, Add	*38.82*	
		For Aluminum Clad Exterior, Add	*41.59*	
08 52 19 00-0127	EA	32" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	433.62	
		For Low-E Insulated Glass, Add	*39.52*	
		For Aluminum Clad Exterior, Add	*42.34*	
08 52 19 00-0128	EA	34" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	444.79	
		For Low-E Insulated Glass, Add	*40.78*	
		For Aluminum Clad Exterior, Add	*43.69*	
08 52 19 00-0129	EA	36" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	450.07	
		For Low-E Insulated Glass, Add	*41.21*	
		For Aluminum Clad Exterior, Add	*44.15*	
08 52 19 00-0130	EA	40" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	464.42	
		For Low-E Insulated Glass, Add	*42.60*	
		For Aluminum Clad Exterior, Add	*45.65*	
08 52 19 00-0131	EA	44" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	480.82	
		For Low-E Insulated Glass, Add	*44.28*	
		For Aluminum Clad Exterior, Add	*47.45*	

08 52 19 00-0132 74" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 19 00-0001)

08 52 19 00-0133	EA	20" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	404.93	
		For Low-E Insulated Glass, Add	*36.58*	
		For Aluminum Clad Exterior, Add	*39.19*	
08 52 19 00-0134	EA	24" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	420.33	
		For Low-E Insulated Glass, Add	*38.12*	
		For Aluminum Clad Exterior, Add	*40.84*	
08 52 19 00-0135	EA	28" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	434.72	
		For Low-E Insulated Glass, Add	*39.52*	
		For Aluminum Clad Exterior, Add	*42.34*	
08 52 19 00-0136	EA	30" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	442.92	
		For Low-E Insulated Glass, Add	*40.36*	
		For Aluminum Clad Exterior, Add	*43.24*	
08 52 19 00-0137	EA	32" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	450.12	
		For Low-E Insulated Glass, Add	*41.06*	
		For Aluminum Clad Exterior, Add	*43.99*	
08 52 19 00-0138	EA	34" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	458.32	
		For Low-E Insulated Glass, Add	*41.90*	
		For Aluminum Clad Exterior, Add	*44.90*	
08 52 19 00-0139	EA	36" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	465.52	
		For Low-E Insulated Glass, Add	*42.60*	
		For Aluminum Clad Exterior, Add	*45.65*	
08 52 19 00-0140	EA	40" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	481.92	
		For Low-E Insulated Glass, Add	*44.28*	
		For Aluminum Clad Exterior, Add	*47.45*	
08 52 19 00-0141	EA	44" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	497.32	
		For Low-E Insulated Glass, Add	*45.83*	
		For Aluminum Clad Exterior, Add	*49.10*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 19 00-0142		78" Height, Sash-Only Replacement Kits For Double Hung Wood Windows *(08 52 19 00-0001)*		
08 52 19 00-0143	EA	20" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	424.71	
		For Low-E Insulated Glass, Add	*38.12*	
		For Aluminum Clad Exterior, Add	*40.84*	
08 52 19 00-0144	EA	24" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	439.11	
		For Low-E Insulated Glass, Add	*39.52*	
		For Aluminum Clad Exterior, Add	*42.34*	
08 52 19 00-0145	EA	28" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	454.51	
		For Low-E Insulated Glass, Add	*41.06*	
		For Aluminum Clad Exterior, Add	*43.99*	
08 52 19 00-0146	EA	30" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	462.71	
		For Low-E Insulated Glass, Add	*41.90*	
		For Aluminum Clad Exterior, Add	*44.90*	
08 52 19 00-0147	EA	32" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	469.90	
		For Low-E Insulated Glass, Add	*42.60*	
		For Aluminum Clad Exterior, Add	*45.65*	
08 52 19 00-0148	EA	34" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	478.10	
		For Low-E Insulated Glass, Add	*43.44*	
		For Aluminum Clad Exterior, Add	*46.55*	
08 52 19 00-0149	EA	36" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	486.31	
		For Low-E Insulated Glass, Add	*44.28*	
		For Aluminum Clad Exterior, Add	*47.45*	
08 52 19 00-0150	EA	40" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	501.70	
		For Low-E Insulated Glass, Add	*45.83*	
		For Aluminum Clad Exterior, Add	*49.10*	
08 52 19 00-0151	EA	44" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	517.09	
		For Low-E Insulated Glass, Add	*47.37*	
		For Aluminum Clad Exterior, Add	*50.75*	
08 52 19 00-0152		Commercial And Institutional Heavy Double Hung Windows *(08 52 19)* Note: With true divided lites. Performance grade DP 40 in NWWDA I.S. 2-93. Includes complete unit with hardware, blocking and accessories, glazing, caulking, prepare opening, anchors, testing and certifications. Excludes painting.		
08 52 19 00-0153	SF	Up To 21 SF Double Hung Wood Window With True Divided Lite	62.76	9.80
		For Insulating Glass, Add	*3.67*	
08 52 19 00-0154	SF	21 To 40 SF Double Hung Wood Window With True Divided Lite	60.42	10.88
		For Insulating Glass, Add	*3.29*	
08 52 19 00-0155	SF	40 SF And Over Double Hung Wood Window With True Divided Lite	58.50	12.22
		For Insulating Glass, Add	*2.89*	
08 52 19 00-0156		Architectural And Historic Reproduction Wood Windows *(08 52 19)* Note: Fixed casement, awning, and double hung. With true divided lites. Casement performance grade DP 40; awning performance grade DP 25; double hung performance grade DP 30. Includes complete unit with hardware, blocking and accessories, glazing, caulking, prepare opening, anchors, testing and certifications. Excludes painting.		
08 52 19 00-0157	SF	Up To 21 SF Architectural And Historic Reproduction Wood Window	67.31	9.79
		For Insulating Glass, Add	*4.06*	
08 52 19 00-0158	SF	21 To 40 SF Architectural And Historic Reproduction Wood Window	62.88	10.88
		For Insulating Glass, Add	*3.50*	
08 52 19 00-0159	SF	40 SF And Over Architectural And Historic Reproduction Wood Window	59.94	12.22
		For Insulating Glass, Add	*3.01*	
08 52 19 00-0160		Removal And Reinstallation Of Wood Window And Frame *(08 52 19)* Note: Includes storage, cleaning and supply materials.		
08 52 19 00-0161	SF	Remove And Reinstall Wood Windows And Frames	24.13	
08 52 19 00-0162		Window Casing *(08 52 19)*		
08 52 19 00-0163		Window Casing Covers *(08 52 19 00-0162)*		
08 52 19 00-0164	EA	Up To 40" x 96" Window Casing Cover	268.08	54.83
08 52 66		**Wood Window Screens** *(08 52)*		
08 52 66 00-0001		Insect Screens For Wood Clad Windows *(08 52 66)*		
08 52 66 00-0002	EA	Up To 6 SF, Insect Screen For Wood Clad Windows	28.79	6.83
08 52 66 00-0003	EA	>6 To 9 SF, Insect Screen For Wood Clad Windows	33.11	6.83
08 52 66 00-0004	EA	>9 To 12 SF, Insect Screen For Wood Clad Windows	35.28	6.83
08 52 66 00-0005	EA	>12 To 15 SF, Insect Screen For Wood Clad Windows	39.60	6.83
08 52 66 00-0006	EA	>15 To 20 SF, Insect Screen For Wood Clad Windows	48.24	6.83
08 52 66 00-0007	EA	>20 To 25 SF, Insect Screen For Wood Clad Windows	52.57	6.83
08 52 66 00-0008	EA	>25 To 30 SF, Insect Screen For Wood Clad Windows	56.89	6.83
08 52 66 00-0009	EA	>30 To 35 SF, Insect Screen For Wood Clad Windows	61.21	6.83
08 52 66 00-0010	SF	>35 SF, Insect Screen For Wood Clad Windows	1.82	0.14

08 53 Plastic Windows *(08 50)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13		**Vinyl Windows** *(08 53)*		
08 53 13 00-0001		Single Hung Vinyl Windows *(08 53 13)*		
08 53 13 00-0002		New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0001)* Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0003		34" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*		
08 53 13 00-0004	EA	24" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	160.06	36.03
		For Colored Vinyl, Add	*8.80*	
		For Tinted Glass, Add	*10.56*	
		For Low-E Insulated Glass, Add	*22.00*	
		For Obscure Glass, Add	*24.20*	
08 53 13 00-0005	EA	28" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	168.09	37.60
		For Colored Vinyl, Add	*9.29*	
		For Tinted Glass, Add	*11.15*	
		For Low-E Insulated Glass, Add	*23.22*	
		For Obscure Glass, Add	*25.54*	
08 53 13 00-0006	EA	30" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	171.55	38.38
		For Colored Vinyl, Add	*9.48*	
		For Tinted Glass, Add	*11.37*	
		For Low-E Insulated Glass, Add	*23.70*	
		For Obscure Glass, Add	*26.06*	
08 53 13 00-0007	EA	32" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	175.26	39.17
		For Colored Vinyl, Add	*9.69*	
		For Tinted Glass, Add	*11.63*	
		For Low-E Insulated Glass, Add	*24.23*	
		For Obscure Glass, Add	*26.66*	
08 53 13 00-0008	EA	36" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	184.38	40.74
		For Colored Vinyl, Add	*10.29*	
		For Tinted Glass, Add	*12.35*	
		For Low-E Insulated Glass, Add	*25.73*	
		For Obscure Glass, Add	*28.30*	
08 53 13 00-0009	EA	44" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	199.72	43.87
		For Colored Vinyl, Add	*11.20*	
		For Tinted Glass, Add	*13.44*	
		For Low-E Insulated Glass, Add	*28.00*	
		For Obscure Glass, Add	*30.79*	
08 53 13 00-0010		36" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*		
08 53 13 00-0011	EA	24" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	163.34	36.82
		For Colored Vinyl, Add	*8.97*	
		For Tinted Glass, Add	*10.77*	
		For Low-E Insulated Glass, Add	*22.43*	
		For Obscure Glass, Add	*24.67*	
08 53 13 00-0012	EA	28" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	171.39	37.60
		For Colored Vinyl, Add	*9.46*	
		For Tinted Glass, Add	*11.35*	
		For Low-E Insulated Glass, Add	*23.66*	
		For Obscure Glass, Add	*26.02*	
08 53 13 00-0013	EA	30" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	174.84	39.17
		For Colored Vinyl, Add	*9.65*	
		For Tinted Glass, Add	*11.58*	
		For Low-E Insulated Glass, Add	*24.13*	
		For Obscure Glass, Add	*26.54*	
08 53 13 00-0014	EA	32" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	178.55	39.95
		For Colored Vinyl, Add	*9.87*	
		For Tinted Glass, Add	*11.84*	
		For Low-E Insulated Glass, Add	*24.66*	
		For Obscure Glass, Add	*27.13*	
08 53 13 00-0015	EA	36" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	187.68	41.52
		For Colored Vinyl, Add	*10.47*	
		For Tinted Glass, Add	*12.56*	
		For Low-E Insulated Glass, Add	*26.16*	
		For Obscure Glass, Add	*28.78*	
08 53 13 00-0016	EA	44" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	203.01	44.65
		For Colored Vinyl, Add	*11.37*	
		For Tinted Glass, Add	*13.65*	
		For Low-E Insulated Glass, Add	*28.43*	
		For Obscure Glass, Add	*31.27*	
08 53 13 00-0017		38" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*		
08 53 13 00-0018	EA	24" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	166.56	37.60
		For Colored Vinyl, Add	*9.14*	
		For Tinted Glass, Add	*10.96*	
		For Low-E Insulated Glass, Add	*22.84*	
		For Obscure Glass, Add	*25.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0019	EA	28" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	174.59	39.17
		For Colored Vinyl, Add	*9.63*	
		For Tinted Glass, Add	*11.55*	
		For Low-E Insulated Glass, Add	*24.07*	
		For Obscure Glass, Add	*26.47*	
08 53 13 00-0020	EA	30" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	178.17	39.95
		For Colored Vinyl, Add	*9.83*	
		For Tinted Glass, Add	*11.79*	
		For Low-E Insulated Glass, Add	*24.57*	
		For Obscure Glass, Add	*27.02*	
08 53 13 00-0021	EA	32" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	181.87	40.74
		For Colored Vinyl, Add	*10.04*	
		For Tinted Glass, Add	*12.05*	
		For Low-E Insulated Glass, Add	*25.10*	
		For Obscure Glass, Add	*27.61*	
08 53 13 00-0022	EA	36" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	191.13	42.30
		For Colored Vinyl, Add	*10.65*	
		For Tinted Glass, Add	*12.78*	
		For Low-E Insulated Glass, Add	*26.63*	
		For Obscure Glass, Add	*29.30*	
08 53 13 00-0023	EA	44" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	206.63	45.44
		For Colored Vinyl, Add	*11.58*	
		For Tinted Glass, Add	*13.89*	
		For Low-E Insulated Glass, Add	*28.94*	
		For Obscure Glass, Add	*31.83*	

08 53 13 00-0024 44" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0025	EA	24" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	176.34	39.95
		For Colored Vinyl, Add	*9.64*	
		For Tinted Glass, Add	*11.57*	
		For Low-E Insulated Glass, Add	*24.11*	
		For Obscure Glass, Add	*26.52*	
08 53 13 00-0026	EA	28" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	184.38	41.52
		For Colored Vinyl, Add	*10.14*	
		For Tinted Glass, Add	*12.16*	
		For Low-E Insulated Glass, Add	*25.34*	
		For Obscure Glass, Add	*27.87*	
08 53 13 00-0027	EA	30" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	188.31	42.30
		For Colored Vinyl, Add	*10.37*	
		For Tinted Glass, Add	*12.45*	
		For Low-E Insulated Glass, Add	*25.93*	
		For Obscure Glass, Add	*28.52*	
08 53 13 00-0028	EA	32" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	192.02	43.08
		For Colored Vinyl, Add	*10.59*	
		For Tinted Glass, Add	*12.70*	
		For Low-E Insulated Glass, Add	*26.46*	
		For Obscure Glass, Add	*29.11*	
08 53 13 00-0029	EA	36" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	201.63	44.65
		For Colored Vinyl, Add	*11.23*	
		For Tinted Glass, Add	*13.48*	
		For Low-E Insulated Glass, Add	*28.08*	
		For Obscure Glass, Add	*30.89*	
08 53 13 00-0030	EA	44" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	217.58	47.78
		For Colored Vinyl, Add	*12.20*	
		For Tinted Glass, Add	*14.64*	
		For Low-E Insulated Glass, Add	*30.50*	
		For Obscure Glass, Add	*33.55*	

08 53 13 00-0031 46" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0032	EA	24" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	179.63	40.74
		For Colored Vinyl, Add	*9.82*	
		For Tinted Glass, Add	*11.78*	
		For Low-E Insulated Glass, Add	*24.54*	
		For Obscure Glass, Add	*27.00*	
08 53 13 00-0033	EA	28" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	187.67	42.30
		For Colored Vinyl, Add	*10.31*	
		For Tinted Glass, Add	*12.37*	
		For Low-E Insulated Glass, Add	*25.77*	
		For Obscure Glass, Add	*28.34*	
08 53 13 00-0034	EA	30" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	191.72	43.08
		For Colored Vinyl, Add	*10.56*	
		For Tinted Glass, Add	*12.67*	
		For Low-E Insulated Glass, Add	*26.39*	
		For Obscure Glass, Add	*29.03*	
08 53 13 00-0035	EA	32" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	195.43	43.87
		For Colored Vinyl, Add	*10.77*	
		For Tinted Glass, Add	*12.92*	
		For Low-E Insulated Glass, Add	*26.92*	
		For Obscure Glass, Add	*29.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0036	EA	36" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	205.15	45.44
		For Colored Vinyl, Add	*11.43*	
		For Tinted Glass, Add	*13.71*	
		For Low-E Insulated Glass, Add	*28.57*	
		For Obscure Glass, Add	*31.43*	
08 53 13 00-0037	EA	44" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	221.26	48.57
		For Colored Vinyl, Add	*12.41*	
		For Tinted Glass, Add	*14.90*	
		For Low-E Insulated Glass, Add	*31.03*	
		For Obscure Glass, Add	*34.14*	

08 53 13 00-0038 48" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0039	EA	24" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	182.95	41.52
		For Colored Vinyl, Add	*9.99*	
		For Tinted Glass, Add	*11.99*	
		For Low-E Insulated Glass, Add	*24.98*	
		For Obscure Glass, Add	*27.48*	
08 53 13 00-0040	EA	28" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	191.00	43.08
		For Colored Vinyl, Add	*10.48*	
		For Tinted Glass, Add	*12.58*	
		For Low-E Insulated Glass, Add	*26.21*	
		For Obscure Glass, Add	*28.83*	
08 53 13 00-0041	EA	30" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	195.15	43.87
		For Colored Vinyl, Add	*10.74*	
		For Tinted Glass, Add	*12.89*	
		For Low-E Insulated Glass, Add	*26.85*	
		For Obscure Glass, Add	*29.54*	
08 53 13 00-0042	EA	32" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	198.85	44.65
		For Colored Vinyl, Add	*10.96*	
		For Tinted Glass, Add	*13.15*	
		For Low-E Insulated Glass, Add	*27.39*	
		For Obscure Glass, Add	*30.13*	
08 53 13 00-0043	EA	36" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	208.71	46.21
		For Colored Vinyl, Add	*11.63*	
		For Tinted Glass, Add	*13.95*	
		For Low-E Insulated Glass, Add	*29.07*	
		For Obscure Glass, Add	*31.97*	
08 53 13 00-0044	EA	44" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	224.97	49.36
		For Colored Vinyl, Add	*12.63*	
		For Tinted Glass, Add	*15.15*	
		For Low-E Insulated Glass, Add	*31.57*	
		For Obscure Glass, Add	*34.72*	

08 53 13 00-0045 50" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0046	EA	24" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	186.17	42.30
		For Colored Vinyl, Add	*10.16*	
		For Tinted Glass, Add	*12.19*	
		For Low-E Insulated Glass, Add	*25.39*	
		For Obscure Glass, Add	*27.93*	
08 53 13 00-0047	EA	28" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	194.21	43.87
		For Colored Vinyl, Add	*10.65*	
		For Tinted Glass, Add	*12.78*	
		For Low-E Insulated Glass, Add	*26.62*	
		For Obscure Glass, Add	*29.28*	
08 53 13 00-0048	EA	30" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	198.48	44.65
		For Colored Vinyl, Add	*10.92*	
		For Tinted Glass, Add	*13.10*	
		For Low-E Insulated Glass, Add	*27.30*	
		For Obscure Glass, Add	*30.02*	
08 53 13 00-0049	EA	32" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	202.19	45.44
		For Colored Vinyl, Add	*11.13*	
		For Tinted Glass, Add	*13.36*	
		For Low-E Insulated Glass, Add	*27.83*	
		For Obscure Glass, Add	*30.61*	
08 53 13 00-0050	EA	36" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	212.14	47.00
		For Colored Vinyl, Add	*11.81*	
		For Tinted Glass, Add	*14.18*	
		For Low-E Insulated Glass, Add	*29.54*	
		For Obscure Glass, Add	*32.49*	
08 53 13 00-0051	EA	44" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	228.57	50.13
		For Colored Vinyl, Add	*12.83*	
		For Tinted Glass, Add	*15.40*	
		For Low-E Insulated Glass, Add	*32.08*	
		For Obscure Glass, Add	*35.28*	

08 53 13 00-0052 52" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0053	EA	24" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	189.39	43.08
		For Colored Vinyl, Add	*10.32*	
		For Tinted Glass, Add	*12.39*	
		For Low-E Insulated Glass, Add	*25.81*	
		For Obscure Glass, Add	*28.39*	
08 53 13 00-0054	EA	28" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	197.43	44.65
		For Colored Vinyl, Add	*10.81*	
		For Tinted Glass, Add	*12.98*	
		For Low-E Insulated Glass, Add	*27.03*	
		For Obscure Glass, Add	*29.74*	
08 53 13 00-0055	EA	30" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	201.83	45.44
		For Colored Vinyl, Add	*11.10*	
		For Tinted Glass, Add	*13.32*	
		For Low-E Insulated Glass, Add	*27.74*	
		For Obscure Glass, Add	*30.51*	
08 53 13 00-0056	EA	32" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	205.54	46.21
		For Colored Vinyl, Add	*11.31*	
		For Tinted Glass, Add	*13.57*	
		For Low-E Insulated Glass, Add	*28.28*	
		For Obscure Glass, Add	*31.10*	
08 53 13 00-0057	EA	36" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	215.62	47.78
		For Colored Vinyl, Add	*12.01*	
		For Tinted Glass, Add	*14.41*	
		For Low-E Insulated Glass, Add	*30.01*	
		For Obscure Glass, Add	*33.01*	
08 53 13 00-0058	EA	44" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	232.19	50.92
		For Colored Vinyl, Add	*13.04*	
		For Tinted Glass, Add	*15.64*	
		For Low-E Insulated Glass, Add	*32.59*	
		For Obscure Glass, Add	*35.85*	

08 53 13 00-0059 54" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0060	EA	24" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	192.62	43.87
		For Colored Vinyl, Add	*10.49*	
		For Tinted Glass, Add	*12.59*	
		For Low-E Insulated Glass, Add	*26.22*	
		For Obscure Glass, Add	*28.84*	
08 53 13 00-0061	EA	28" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	200.66	45.44
		For Colored Vinyl, Add	*10.98*	
		For Tinted Glass, Add	*13.17*	
		For Low-E Insulated Glass, Add	*27.45*	
		For Obscure Glass, Add	*30.19*	
08 53 13 00-0062	EA	30" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	205.17	46.21
		For Colored Vinyl, Add	*11.27*	
		For Tinted Glass, Add	*13.53*	
		For Low-E Insulated Glass, Add	*28.18*	
		For Obscure Glass, Add	*31.00*	
08 53 13 00-0063	EA	32" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	208.87	47.00
		For Colored Vinyl, Add	*11.49*	
		For Tinted Glass, Add	*13.78*	
		For Low-E Insulated Glass, Add	*28.72*	
		For Obscure Glass, Add	*31.59*	
08 53 13 00-0064	EA	36" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	219.06	48.57
		For Colored Vinyl, Add	*12.19*	
		For Tinted Glass, Add	*14.63*	
		For Low-E Insulated Glass, Add	*30.48*	
		For Obscure Glass, Add	*33.53*	
08 53 13 00-0065	EA	44" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	235.79	51.70
		For Colored Vinyl, Add	*13.24*	
		For Tinted Glass, Add	*15.89*	
		For Low-E Insulated Glass, Add	*33.10*	
		For Obscure Glass, Add	*36.41*	

08 53 13 00-0066 60" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0067	EA	24" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	202.50	46.21
		For Colored Vinyl, Add	*11.01*	
		For Tinted Glass, Add	*13.21*	
		For Low-E Insulated Glass, Add	*27.52*	
		For Obscure Glass, Add	*30.27*	
08 53 13 00-0068	EA	28" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	210.54	47.78
		For Colored Vinyl, Add	*11.50*	
		For Tinted Glass, Add	*13.80*	
		For Low-E Insulated Glass, Add	*28.74*	
		For Obscure Glass, Add	*31.62*	
08 53 13 00-0069	EA	30" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	215.37	48.57
		For Colored Vinyl, Add	*11.82*	
		For Tinted Glass, Add	*14.19*	
		For Low-E Insulated Glass, Add	*29.56*	
		For Obscure Glass, Add	*32.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0070	EA	32" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	219.08	49.36
		For Colored Vinyl, Add	*12.04*	
		For Tinted Glass, Add	*14.45*	
		For Low-E Insulated Glass, Add	*30.10*	
		For Obscure Glass, Add	*33.10*	
08 53 13 00-0071	EA	36" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	229.63	50.92
		For Colored Vinyl, Add	*12.78*	
		For Tinted Glass, Add	*15.34*	
		For Low-E Insulated Glass, Add	*31.95*	
		For Obscure Glass, Add	*35.15*	
08 53 13 00-0072	EA	44" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	246.83	54.05
		For Colored Vinyl, Add	*13.87*	
		For Tinted Glass, Add	*16.65*	
		For Low-E Insulated Glass, Add	*34.68*	
		For Obscure Glass, Add	*38.15*	

08 53 13 00-0073 62" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0074	EA	24" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	205.72	47.00
		For Colored Vinyl, Add	*11.17*	
		For Tinted Glass, Add	*13.41*	
		For Low-E Insulated Glass, Add	*27.93*	
		For Obscure Glass, Add	*30.72*	
08 53 13 00-0075	EA	28" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	213.76	48.57
		For Colored Vinyl, Add	*11.66*	
		For Tinted Glass, Add	*14.00*	
		For Low-E Insulated Glass, Add	*29.16*	
		For Obscure Glass, Add	*32.07*	
08 53 13 00-0076	EA	30" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	218.74	49.36
		For Colored Vinyl, Add	*12.00*	
		For Tinted Glass, Add	*14.40*	
		For Low-E Insulated Glass, Add	*30.01*	
		For Obscure Glass, Add	*33.01*	
08 53 13 00-0077	EA	32" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	222.45	50.13
		For Colored Vinyl, Add	*12.22*	
		For Tinted Glass, Add	*14.66*	
		For Low-E Insulated Glass, Add	*30.55*	
		For Obscure Glass, Add	*33.60*	
08 53 13 00-0078	EA	36" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	233.11	51.70
		For Colored Vinyl, Add	*12.97*	
		For Tinted Glass, Add	*15.57*	
		For Low-E Insulated Glass, Add	*32.43*	
		For Obscure Glass, Add	*35.67*	
08 53 13 00-0079	EA	44" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	250.47	54.83
		For Colored Vinyl, Add	*14.08*	
		For Tinted Glass, Add	*16.90*	
		For Low-E Insulated Glass, Add	*35.20*	
		For Obscure Glass, Add	*38.72*	

08 53 13 00-0080 66" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0081	EA	24" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	212.25	48.57
		For Colored Vinyl, Add	*11.51*	
		For Tinted Glass, Add	*13.81*	
		For Low-E Insulated Glass, Add	*28.78*	
		For Obscure Glass, Add	*31.66*	
08 53 13 00-0082	EA	28" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	220.29	50.13
		For Colored Vinyl, Add	*12.00*	
		For Tinted Glass, Add	*14.40*	
		For Low-E Insulated Glass, Add	*30.01*	
		For Obscure Glass, Add	*33.01*	
08 53 13 00-0083	EA	30" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	225.49	50.92
		For Colored Vinyl, Add	*12.37*	
		For Tinted Glass, Add	*14.84*	
		For Low-E Insulated Glass, Add	*30.92*	
		For Obscure Glass, Add	*34.01*	
08 53 13 00-0084	EA	32" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	229.20	51.70
		For Colored Vinyl, Add	*12.58*	
		For Tinted Glass, Add	*15.10*	
		For Low-E Insulated Glass, Add	*31.45*	
		For Obscure Glass, Add	*34.60*	
08 53 13 00-0085	EA	36" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	240.11	53.27
		For Colored Vinyl, Add	*13.36*	
		For Tinted Glass, Add	*16.03*	
		For Low-E Insulated Glass, Add	*33.40*	
		For Obscure Glass, Add	*36.73*	
08 53 13 00-0086	EA	44" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	257.76	56.40
		For Colored Vinyl, Add	*14.50*	
		For Tinted Glass, Add	*17.40*	
		For Low-E Insulated Glass, Add	*36.24*	
		For Obscure Glass, Add	*39.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0087		72" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*		
08 53 13 00-0088	EA	24" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	222.13	50.92
		For Colored Vinyl, Add	*12.03*	
		For Tinted Glass, Add	*14.44*	
		For Low-E Insulated Glass, Add	*30.08*	
		For Obscure Glass, Add	*33.08*	
08 53 13 00-0089	EA	28" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	230.16	52.49
		For Colored Vinyl, Add	*12.52*	
		For Tinted Glass, Add	*15.02*	
		For Low-E Insulated Glass, Add	*31.30*	
		For Obscure Glass, Add	*34.43*	
08 53 13 00-0090	EA	30" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	235.37	53.27
		For Colored Vinyl, Add	*12.88*	
		For Tinted Glass, Add	*15.46*	
		For Low-E Insulated Glass, Add	*32.21*	
		For Obscure Glass, Add	*35.43*	
08 53 13 00-0091	EA	32" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	239.08	54.05
		For Colored Vinyl, Add	*13.10*	
		For Tinted Glass, Add	*15.72*	
		For Low-E Insulated Glass, Add	*32.75*	
		For Obscure Glass, Add	*36.02*	
08 53 13 00-0092	EA	36" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	250.00	55.62
		For Colored Vinyl, Add	*13.88*	
		For Tinted Glass, Add	*16.65*	
		For Low-E Insulated Glass, Add	*34.69*	
		For Obscure Glass, Add	*38.16*	
08 53 13 00-0093	EA	44" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	267.64	58.75
		For Colored Vinyl, Add	*15.01*	
		For Tinted Glass, Add	*18.02*	
		For Low-E Insulated Glass, Add	*37.54*	
		For Obscure Glass, Add	*41.29*	
08 53 13 00-0094		Replacement, Single Hung Vinyl Windows (Silver Line 2000) *(08 53 13 00-0001)* Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0095	EA	Up To 73" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	223.44	41.13
		For Colored Vinyl, Add	*14.12*	
		For Tinted Glass, Add	*16.94*	
		For Low-E Insulated Glass, Add	*35.30*	
		For Obscure Glass, Add	*38.83*	
08 53 13 00-0096	EA	>73" To 83" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	244.88	45.05
		For Colored Vinyl, Add	*15.48*	
		For Tinted Glass, Add	*18.58*	
		For Low-E Insulated Glass, Add	*38.70*	
		For Obscure Glass, Add	*42.57*	
08 53 13 00-0097	EA	>83" To 93" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	264.94	48.96
		For Colored Vinyl, Add	*16.70*	
		For Tinted Glass, Add	*20.04*	
		For Low-E Insulated Glass, Add	*41.76*	
		For Obscure Glass, Add	*45.93*	
08 53 13 00-0098	EA	>93" To 101" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	280.16	52.88
		For Colored Vinyl, Add	*17.44*	
		For Tinted Glass, Add	*20.93*	
		For Low-E Insulated Glass, Add	*43.60*	
		For Obscure Glass, Add	*47.96*	
08 53 13 00-0099	EA	>101" To 110" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	295.94	56.80
		For Colored Vinyl, Add	*18.24*	
		For Tinted Glass, Add	*21.88*	
		For Low-E Insulated Glass, Add	*45.59*	
		For Obscure Glass, Add	*50.15*	
08 53 13 00-0100	EA	>110" To 120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	320.35	60.71
		For Colored Vinyl, Add	*19.89*	
		For Tinted Glass, Add	*23.87*	
		For Low-E Insulated Glass, Add	*49.73*	
		For Obscure Glass, Add	*54.71*	
08 53 13 00-0101	UI	>120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	2.68	0.51
		For Colored Vinyl, Add	*0.17*	
		For Tinted Glass, Add	*0.20*	
		For Low-E Insulated Glass, Add	*0.42*	
		For Obscure Glass, Add	*0.46*	
08 53 13 00-0102		Double Hung Vinyl Windows *(08 53 13)*		
08 53 13 00-0103		New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0102)* Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0104		34" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0105	EA	24" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	213.20	36.03
		For Colored Vinyl, Add	*14.11*	
		For Tinted Glass, Add	*16.94*	
		For Low-E Insulated Glass, Add	*35.28*	
		For Obscure Glass, Add	*38.81*	
08 53 13 00-0106	EA	28" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	221.24	37.60
		For Colored Vinyl, Add	*14.60*	
		For Tinted Glass, Add	*17.52*	
		For Low-E Insulated Glass, Add	*36.51*	
		For Obscure Glass, Add	*40.16*	
08 53 13 00-0107	EA	30" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	225.16	38.38
		For Colored Vinyl, Add	*14.84*	
		For Tinted Glass, Add	*17.81*	
		For Low-E Insulated Glass, Add	*37.10*	
		For Obscure Glass, Add	*40.81*	
08 53 13 00-0108	EA	32" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	228.86	39.17
		For Colored Vinyl, Add	*15.05*	
		For Tinted Glass, Add	*18.06*	
		For Low-E Insulated Glass, Add	*37.63*	
		For Obscure Glass, Add	*41.40*	
08 53 13 00-0109	EA	36" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	237.53	40.74
		For Colored Vinyl, Add	*15.61*	
		For Tinted Glass, Add	*18.73*	
		For Low-E Insulated Glass, Add	*39.02*	
		For Obscure Glass, Add	*42.92*	
08 53 13 00-0110	EA	44" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	252.28	43.87
		For Colored Vinyl, Add	*16.45*	
		For Tinted Glass, Add	*19.74*	
		For Low-E Insulated Glass, Add	*41.14*	
		For Obscure Glass, Add	*45.25*	

08 53 13 00-0111 36" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0112	EA	24" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	216.49	36.82
		For Colored Vinyl, Add	*14.29*	
		For Tinted Glass, Add	*17.14*	
		For Low-E Insulated Glass, Add	*35.72*	
		For Obscure Glass, Add	*39.29*	
08 53 13 00-0113	EA	28" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	224.53	38.38
		For Colored Vinyl, Add	*14.78*	
		For Tinted Glass, Add	*17.73*	
		For Low-E Insulated Glass, Add	*36.94*	
		For Obscure Glass, Add	*40.63*	
08 53 13 00-0114	EA	30" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	228.44	39.17
		For Colored Vinyl, Add	*15.01*	
		For Tinted Glass, Add	*18.01*	
		For Low-E Insulated Glass, Add	*37.53*	
		For Obscure Glass, Add	*41.28*	
08 53 13 00-0115	EA	32" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	232.15	39.95
		For Colored Vinyl, Add	*15.23*	
		For Tinted Glass, Add	*18.27*	
		For Low-E Insulated Glass, Add	*38.06*	
		For Obscure Glass, Add	*41.87*	
08 53 13 00-0116	EA	36" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	240.82	41.52
		For Colored Vinyl, Add	*15.78*	
		For Tinted Glass, Add	*18.93*	
		For Low-E Insulated Glass, Add	*39.45*	
		For Obscure Glass, Add	*43.39*	
08 53 13 00-0117	EA	44" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	255.56	44.65
		For Colored Vinyl, Add	*16.63*	
		For Tinted Glass, Add	*19.95*	
		For Low-E Insulated Glass, Add	*41.57*	
		For Obscure Glass, Add	*45.72*	

08 53 13 00-0118 38" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0119	EA	24" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	219.54	37.60
		For Colored Vinyl, Add	*14.43*	
		For Tinted Glass, Add	*17.32*	
		For Low-E Insulated Glass, Add	*36.09*	
		For Obscure Glass, Add	*39.69*	
08 53 13 00-0120	EA	28" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	227.57	39.17
		For Colored Vinyl, Add	*14.92*	
		For Tinted Glass, Add	*17.91*	
		For Low-E Insulated Glass, Add	*37.31*	
		For Obscure Glass, Add	*41.04*	
08 53 13 00-0121	EA	30" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	231.59	39.95
		For Colored Vinyl, Add	*15.17*	
		For Tinted Glass, Add	*18.20*	
		For Low-E Insulated Glass, Add	*37.92*	
		For Obscure Glass, Add	*41.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0122	EA	32" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	235.29	40.74
		For Colored Vinyl, Add	*15.38*	
		For Tinted Glass, Add	*18.46*	
		For Low-E Insulated Glass, Add	*38.46*	
		For Obscure Glass, Add	*42.30*	
08 53 13 00-0123	EA	36" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	244.11	42.30
		For Colored Vinyl, Add	*15.95*	
		For Tinted Glass, Add	*19.14*	
		For Low-E Insulated Glass, Add	*39.88*	
		For Obscure Glass, Add	*43.87*	
08 53 13 00-0124	EA	44" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	258.98	45.44
		For Colored Vinyl, Add	*16.81*	
		For Tinted Glass, Add	*20.17*	
		For Low-E Insulated Glass, Add	*42.03*	
		For Obscure Glass, Add	*46.23*	

08 53 13 00-0125 44" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0126	EA	24" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	229.61	39.95
		For Colored Vinyl, Add	*14.97*	
		For Tinted Glass, Add	*17.97*	
		For Low-E Insulated Glass, Add	*37.43*	
		For Obscure Glass, Add	*41.17*	
08 53 13 00-0127	EA	28" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	237.65	41.52
		For Colored Vinyl, Add	*15.46*	
		For Tinted Glass, Add	*18.55*	
		For Low-E Insulated Glass, Add	*38.66*	
		For Obscure Glass, Add	*42.52*	
08 53 13 00-0128	EA	30" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	241.10	42.30
		For Colored Vinyl, Add	*15.65*	
		For Tinted Glass, Add	*18.78*	
		For Low-E Insulated Glass, Add	*39.13*	
		For Obscure Glass, Add	*43.04*	
08 53 13 00-0129	EA	32" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	244.81	43.08
		For Colored Vinyl, Add	*15.86*	
		For Tinted Glass, Add	*19.04*	
		For Low-E Insulated Glass, Add	*39.66*	
		For Obscure Glass, Add	*43.63*	
08 53 13 00-0130	EA	36" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	253.92	44.65
		For Colored Vinyl, Add	*16.46*	
		For Tinted Glass, Add	*19.75*	
		For Low-E Insulated Glass, Add	*41.16*	
		For Obscure Glass, Add	*45.27*	
08 53 13 00-0131	EA	44" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	269.49	47.78
		For Colored Vinyl, Add	*17.39*	
		For Tinted Glass, Add	*20.87*	
		For Low-E Insulated Glass, Add	*43.48*	
		For Obscure Glass, Add	*47.83*	

08 53 13 00-0132 46" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0133	EA	24" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	232.64	40.74
		For Colored Vinyl, Add	*15.12*	
		For Tinted Glass, Add	*18.14*	
		For Low-E Insulated Glass, Add	*37.80*	
		For Obscure Glass, Add	*41.57*	
08 53 13 00-0134	EA	28" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	240.68	42.30
		For Colored Vinyl, Add	*15.61*	
		For Tinted Glass, Add	*18.73*	
		For Low-E Insulated Glass, Add	*39.02*	
		For Obscure Glass, Add	*42.92*	
08 53 13 00-0135	EA	30" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	244.28	43.08
		For Colored Vinyl, Add	*15.81*	
		For Tinted Glass, Add	*18.97*	
		For Low-E Insulated Glass, Add	*39.53*	
		For Obscure Glass, Add	*43.48*	
08 53 13 00-0136	EA	32" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	247.99	43.87
		For Colored Vinyl, Add	*16.03*	
		For Tinted Glass, Add	*19.23*	
		For Low-E Insulated Glass, Add	*40.06*	
		For Obscure Glass, Add	*44.07*	
08 53 13 00-0137	EA	36" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	257.20	45.44
		For Colored Vinyl, Add	*16.63*	
		For Tinted Glass, Add	*19.96*	
		For Low-E Insulated Glass, Add	*41.58*	
		For Obscure Glass, Add	*45.74*	
08 53 13 00-0138	EA	44" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	273.17	48.57
		For Colored Vinyl, Add	*17.60*	
		For Tinted Glass, Add	*21.12*	
		For Low-E Insulated Glass, Add	*44.01*	
		For Obscure Glass, Add	*48.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0139		48" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*		
08 53 13 00-0140	EA	24" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	235.70	41.52
		For Colored Vinyl, Add	*15.27*	
		For Tinted Glass, Add	*18.32*	
		For Low-E Insulated Glass, Add	*38.17*	
		For Obscure Glass, Add	*41.98*	
08 53 13 00-0141	EA	28" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	243.74	43.08
		For Colored Vinyl, Add	*15.76*	
		For Tinted Glass, Add	*18.91*	
		For Low-E Insulated Glass, Add	*39.39*	
		For Obscure Glass, Add	*43.33*	
08 53 13 00-0142	EA	30" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	247.43	43.87
		For Colored Vinyl, Add	*15.97*	
		For Tinted Glass, Add	*19.16*	
		For Low-E Insulated Glass, Add	*39.92*	
		For Obscure Glass, Add	*43.91*	
08 53 13 00-0143	EA	32" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	251.13	44.65
		For Colored Vinyl, Add	*16.18*	
		For Tinted Glass, Add	*19.42*	
		For Low-E Insulated Glass, Add	*40.46*	
		For Obscure Glass, Add	*44.50*	
08 53 13 00-0144	EA	36" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	260.48	46.21
		For Colored Vinyl, Add	*16.80*	
		For Tinted Glass, Add	*20.16*	
		For Low-E Insulated Glass, Add	*42.01*	
		For Obscure Glass, Add	*46.21*	
08 53 13 00-0145	EA	44" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	276.82	49.36
		For Colored Vinyl, Add	*17.81*	
		For Tinted Glass, Add	*21.37*	
		For Low-E Insulated Glass, Add	*44.53*	
		For Obscure Glass, Add	*48.98*	
08 53 13 00-0146		50" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*		
08 53 13 00-0147	EA	24" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	238.73	42.30
		For Colored Vinyl, Add	*15.41*	
		For Tinted Glass, Add	*18.50*	
		For Low-E Insulated Glass, Add	*38.53*	
		For Obscure Glass, Add	*42.39*	
08 53 13 00-0148	EA	28" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	246.78	43.87
		For Colored Vinyl, Add	*15.90*	
		For Tinted Glass, Add	*19.08*	
		For Low-E Insulated Glass, Add	*39.76*	
		For Obscure Glass, Add	*43.74*	
08 53 13 00-0149	EA	30" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	250.59	44.65
		For Colored Vinyl, Add	*16.13*	
		For Tinted Glass, Add	*19.35*	
		For Low-E Insulated Glass, Add	*40.32*	
		For Obscure Glass, Add	*44.35*	
08 53 13 00-0150	EA	32" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	254.30	45.44
		For Colored Vinyl, Add	*16.34*	
		For Tinted Glass, Add	*19.61*	
		For Low-E Insulated Glass, Add	*40.86*	
		For Obscure Glass, Add	*44.94*	
08 53 13 00-0151	EA	36" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	263.76	47.00
		For Colored Vinyl, Add	*16.98*	
		For Tinted Glass, Add	*20.37*	
		For Low-E Insulated Glass, Add	*42.44*	
		For Obscure Glass, Add	*46.68*	
08 53 13 00-0152	EA	44" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	280.50	50.13
		For Colored Vinyl, Add	*18.02*	
		For Tinted Glass, Add	*21.63*	
		For Low-E Insulated Glass, Add	*45.06*	
		For Obscure Glass, Add	*49.56*	
08 53 13 00-0153		52" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*		
08 53 13 00-0154	EA	24" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	241.78	43.08
		For Colored Vinyl, Add	*15.56*	
		For Tinted Glass, Add	*18.67*	
		For Low-E Insulated Glass, Add	*38.90*	
		For Obscure Glass, Add	*42.79*	
08 53 13 00-0155	EA	28" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	249.82	44.65
		For Colored Vinyl, Add	*16.05*	
		For Tinted Glass, Add	*19.26*	
		For Low-E Insulated Glass, Add	*40.13*	
		For Obscure Glass, Add	*44.14*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0156	EA	30" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	253.73	45.44
		For Colored Vinyl, Add	*16.29*	
		For Tinted Glass, Add	*19.54*	
		For Low-E Insulated Glass, Add	*40.72*	
		For Obscure Glass, Add	*44.79*	
08 53 13 00-0157	EA	32" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	257.45	46.21
		For Colored Vinyl, Add	*16.50*	
		For Tinted Glass, Add	*19.80*	
		For Low-E Insulated Glass, Add	*41.25*	
		For Obscure Glass, Add	*45.38*	
08 53 13 00-0158	EA	36" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	267.28	47.78
		For Colored Vinyl, Add	*17.17*	
		For Tinted Glass, Add	*20.61*	
		For Low-E Insulated Glass, Add	*42.93*	
		For Obscure Glass, Add	*47.22*	
08 53 13 00-0159	EA	44" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	284.12	50.92
		For Colored Vinyl, Add	*18.23*	
		For Tinted Glass, Add	*21.87*	
		For Low-E Insulated Glass, Add	*45.57*	
		For Obscure Glass, Add	*50.13*	
08 53 13 00-0160		54" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*		
08 53 13 00-0161	EA	24" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	244.84	43.87
		For Colored Vinyl, Add	*15.71*	
		For Tinted Glass, Add	*18.85*	
		For Low-E Insulated Glass, Add	*39.28*	
		For Obscure Glass, Add	*43.20*	
08 53 13 00-0162	EA	28" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	252.88	45.44
		For Colored Vinyl, Add	*16.20*	
		For Tinted Glass, Add	*19.44*	
		For Low-E Insulated Glass, Add	*40.50*	
		For Obscure Glass, Add	*44.55*	
08 53 13 00-0163	EA	30" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	256.92	46.21
		For Colored Vinyl, Add	*16.45*	
		For Tinted Glass, Add	*19.74*	
		For Low-E Insulated Glass, Add	*41.12*	
		For Obscure Glass, Add	*45.23*	
08 53 13 00-0164	EA	32" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	260.62	47.00
		For Colored Vinyl, Add	*16.66*	
		For Tinted Glass, Add	*19.99*	
		For Low-E Insulated Glass, Add	*41.66*	
		For Obscure Glass, Add	*45.82*	
08 53 13 00-0165	EA	36" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	270.78	48.57
		For Colored Vinyl, Add	*17.37*	
		For Tinted Glass, Add	*20.84*	
		For Low-E Insulated Glass, Add	*43.41*	
		For Obscure Glass, Add	*47.75*	
08 53 13 00-0166	EA	44" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	287.76	51.70
		For Colored Vinyl, Add	*18.44*	
		For Tinted Glass, Add	*22.12*	
		For Low-E Insulated Glass, Add	*46.09*	
		For Obscure Glass, Add	*50.70*	
08 53 13 00-0167		60" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*		
08 53 13 00-0168	EA	24" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	254.01	46.21
		For Colored Vinyl, Add	*16.16*	
		For Tinted Glass, Add	*19.39*	
		For Low-E Insulated Glass, Add	*40.39*	
		For Obscure Glass, Add	*44.43*	
08 53 13 00-0169	EA	28" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	262.04	47.78
		For Colored Vinyl, Add	*16.65*	
		For Tinted Glass, Add	*19.98*	
		For Low-E Insulated Glass, Add	*41.62*	
		For Obscure Glass, Add	*45.78*	
08 53 13 00-0170	EA	30" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	266.89	48.57
		For Colored Vinyl, Add	*16.98*	
		For Tinted Glass, Add	*20.37*	
		For Low-E Insulated Glass, Add	*42.44*	
		For Obscure Glass, Add	*46.68*	
08 53 13 00-0171	EA	32" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	270.60	49.36
		For Colored Vinyl, Add	*17.19*	
		For Tinted Glass, Add	*20.63*	
		For Low-E Insulated Glass, Add	*42.98*	
		For Obscure Glass, Add	*47.27*	
08 53 13 00-0172	EA	36" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	281.29	50.92
		For Colored Vinyl, Add	*17.95*	
		For Tinted Glass, Add	*21.54*	
		For Low-E Insulated Glass, Add	*44.87*	
		For Obscure Glass, Add	*49.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0173	EA	44" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	298.70	54.05
		For Colored Vinyl, Add	*19.06*	
		For Tinted Glass, Add	*22.87*	
		For Low-E Insulated Glass, Add	*47.65*	
		For Obscure Glass, Add	*52.42*	
08 53 13 00-0174		62" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*		
08 53 13 00-0175	EA	24" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	257.04	47.00
		For Colored Vinyl, Add	*16.30*	
		For Tinted Glass, Add	*19.56*	
		For Low-E Insulated Glass, Add	*40.76*	
		For Obscure Glass, Add	*44.84*	
08 53 13 00-0176	EA	28" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	265.08	48.57
		For Colored Vinyl, Add	*16.80*	
		For Tinted Glass, Add	*20.15*	
		For Low-E Insulated Glass, Add	*41.99*	
		For Obscure Glass, Add	*46.19*	
08 53 13 00-0177	EA	30" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	270.27	49.36
		For Colored Vinyl, Add	*17.16*	
		For Tinted Glass, Add	*20.59*	
		For Low-E Insulated Glass, Add	*42.89*	
		For Obscure Glass, Add	*47.18*	
08 53 13 00-0178	EA	32" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	273.98	50.13
		For Colored Vinyl, Add	*17.37*	
		For Tinted Glass, Add	*20.85*	
		For Low-E Insulated Glass, Add	*43.43*	
		For Obscure Glass, Add	*47.77*	
08 53 13 00-0179	EA	36" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	284.78	51.70
		For Colored Vinyl, Add	*18.14*	
		For Tinted Glass, Add	*21.77*	
		For Low-E Insulated Glass, Add	*45.35*	
		For Obscure Glass, Add	*49.88*	
08 53 13 00-0180	EA	44" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	302.62	54.83
		For Colored Vinyl, Add	*19.30*	
		For Tinted Glass, Add	*23.15*	
		For Low-E Insulated Glass, Add	*48.24*	
		For Obscure Glass, Add	*53.06*	
08 53 13 00-0181		66" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*		
08 53 13 00-0182	EA	24" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	263.63	48.57
		For Colored Vinyl, Add	*16.65*	
		For Tinted Glass, Add	*19.98*	
		For Low-E Insulated Glass, Add	*41.63*	
		For Obscure Glass, Add	*45.79*	
08 53 13 00-0183	EA	28" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	271.67	50.13
		For Colored Vinyl, Add	*17.14*	
		For Tinted Glass, Add	*20.57*	
		For Low-E Insulated Glass, Add	*42.85*	
		For Obscure Glass, Add	*47.14*	
08 53 13 00-0184	EA	30" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	277.03	50.92
		For Colored Vinyl, Add	*17.52*	
		For Tinted Glass, Add	*21.02*	
		For Low-E Insulated Glass, Add	*43.80*	
		For Obscure Glass, Add	*48.18*	
08 53 13 00-0185	EA	32" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	280.74	51.70
		For Colored Vinyl, Add	*17.73*	
		For Tinted Glass, Add	*21.28*	
		For Low-E Insulated Glass, Add	*44.34*	
		For Obscure Glass, Add	*48.77*	
08 53 13 00-0186	EA	36" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	291.80	53.27
		For Colored Vinyl, Add	*18.53*	
		For Tinted Glass, Add	*22.23*	
		For Low-E Insulated Glass, Add	*46.32*	
		For Obscure Glass, Add	*50.95*	
08 53 13 00-0187	EA	44" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	310.23	56.40
		For Colored Vinyl, Add	*19.74*	
		For Tinted Glass, Add	*23.69*	
		For Low-E Insulated Glass, Add	*49.36*	
		For Obscure Glass, Add	*54.29*	
08 53 13 00-0188		72" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*		
08 53 13 00-0189	EA	24" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	273.51	50.92
		For Colored Vinyl, Add	*17.17*	
		For Tinted Glass, Add	*20.60*	
		For Low-E Insulated Glass, Add	*42.92*	
		For Obscure Glass, Add	*47.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0190	EA	28" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	281.54	52.49
		For Colored Vinyl, Add	*17.66*	
		For Tinted Glass, Add	*21.19*	
		For Low-E Insulated Glass, Add	*44.15*	
		For Obscure Glass, Add	*48.56*	
08 53 13 00-0191	EA	30" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	286.91	53.27
		For Colored Vinyl, Add	*18.04*	
		For Tinted Glass, Add	*21.65*	
		For Low-E Insulated Glass, Add	*45.10*	
		For Obscure Glass, Add	*49.60*	
08 53 13 00-0192	EA	32" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	290.62	54.05
		For Colored Vinyl, Add	*18.25*	
		For Tinted Glass, Add	*21.90*	
		For Low-E Insulated Glass, Add	*45.63*	
		For Obscure Glass, Add	*50.19*	
08 53 13 00-0193	EA	36" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	301.69	55.62
		For Colored Vinyl, Add	*19.05*	
		For Tinted Glass, Add	*22.85*	
		For Low-E Insulated Glass, Add	*47.61*	
		For Obscure Glass, Add	*52.37*	
08 53 13 00-0194	EA	44" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	320.11	58.75
		For Colored Vinyl, Add	*20.26*	
		For Tinted Glass, Add	*24.31*	
		For Low-E Insulated Glass, Add	*50.65*	
		For Obscure Glass, Add	*55.72*	
08 53 13 00-0195		Replacement, Double Hung Vinyl Windows (Silver Line 8500) *(08 53 13 00-0102)* Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0196	EA	Up To 73" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	258.74	41.13
		For Colored Vinyl, Add	*17.65*	
		For Tinted Glass, Add	*21.18*	
		For Low-E Insulated Glass, Add	*44.12*	
		For Obscure Glass, Add	*48.53*	
08 53 13 00-0197	EA	>73" To 83" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	285.01	45.05
		For Colored Vinyl, Add	*19.49*	
		For Tinted Glass, Add	*23.39*	
		For Low-E Insulated Glass, Add	*48.73*	
		For Obscure Glass, Add	*53.61*	
08 53 13 00-0198	EA	>83" To 93" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	309.91	48.96
		For Colored Vinyl, Add	*21.20*	
		For Tinted Glass, Add	*25.44*	
		For Low-E Insulated Glass, Add	*53.00*	
		For Obscure Glass, Add	*58.30*	
08 53 13 00-0199	EA	>93" To 101" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	329.00	52.88
		For Colored Vinyl, Add	*22.33*	
		For Tinted Glass, Add	*26.79*	
		For Low-E Insulated Glass, Add	*55.81*	
		For Obscure Glass, Add	*61.39*	
08 53 13 00-0200	EA	>101" To 110" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	349.12	56.80
		For Colored Vinyl, Add	*23.55*	
		For Tinted Glass, Add	*28.26*	
		For Low-E Insulated Glass, Add	*58.89*	
		For Obscure Glass, Add	*64.77*	
08 53 13 00-0201	EA	>110" To 120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	378.38	60.71
		For Colored Vinyl, Add	*25.70*	
		For Tinted Glass, Add	*30.84*	
		For Low-E Insulated Glass, Add	*64.24*	
		For Obscure Glass, Add	*70.66*	
08 53 13 00-0202	UI	>120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	3.16	0.51
		For Colored Vinyl, Add	*0.21*	
		For Tinted Glass, Add	*0.26*	
		For Low-E Insulated Glass, Add	*0.54*	
		For Obscure Glass, Add	*0.59*	
08 53 13 00-0203		Casement Vinyl Windows *(08 53 13)*		
08 53 13 00-0204		New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0203)* Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0205		One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0204)*		
08 53 13 00-0206		24" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*		
08 53 13 00-0207	EA	17" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	191.73	29.76
		For Colored Vinyl, Add	*13.30*	
		For Tinted Glass, Add	*15.96*	
		For Low-E Insulated Glass, Add	*33.25*	
		For Obscure Glass, Add	*36.57*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0208	EA	20" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	198.58	30.55
		For Colored Vinyl, Add	*13.75*	
		For Tinted Glass, Add	*16.50*	
		For Low-E Insulated Glass, Add	*34.37*	
		For Obscure Glass, Add	*37.80*	
08 53 13 00-0209	EA	24" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	206.20	32.12
		For Colored Vinyl, Add	*14.20*	
		For Tinted Glass, Add	*17.04*	
		For Low-E Insulated Glass, Add	*35.49*	
		For Obscure Glass, Add	*39.04*	
08 53 13 00-0210	EA	28" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	218.77	33.68
		For Colored Vinyl, Add	*15.14*	
		For Tinted Glass, Add	*18.17*	
		For Low-E Insulated Glass, Add	*37.85*	
		For Obscure Glass, Add	*41.64*	

08 53 13 00-0211 28" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*

08 53 13 00-0212	EA	17" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	203.22	31.33
		For Colored Vinyl, Add	*14.13*	
		For Tinted Glass, Add	*16.96*	
		For Low-E Insulated Glass, Add	*35.34*	
		For Obscure Glass, Add	*38.87*	
08 53 13 00-0213	EA	20" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	210.58	32.12
		For Colored Vinyl, Add	*14.63*	
		For Tinted Glass, Add	*17.56*	
		For Low-E Insulated Glass, Add	*36.59*	
		For Obscure Glass, Add	*40.24*	
08 53 13 00-0214	EA	24" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	218.70	33.68
		For Colored Vinyl, Add	*15.13*	
		For Tinted Glass, Add	*18.16*	
		For Low-E Insulated Glass, Add	*37.83*	
		For Obscure Glass, Add	*41.62*	
08 53 13 00-0215	EA	28" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	231.87	35.25
		For Colored Vinyl, Add	*16.14*	
		For Tinted Glass, Add	*19.36*	
		For Low-E Insulated Glass, Add	*40.34*	
		For Obscure Glass, Add	*44.38*	

08 53 13 00-0216 36" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*

08 53 13 00-0217	EA	17" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	217.69	33.68
		For Colored Vinyl, Add	*15.03*	
		For Tinted Glass, Add	*18.04*	
		For Low-E Insulated Glass, Add	*37.58*	
		For Obscure Glass, Add	*41.34*	
08 53 13 00-0218	EA	20" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	225.28	35.25
		For Colored Vinyl, Add	*15.56*	
		For Tinted Glass, Add	*18.67*	
		For Low-E Insulated Glass, Add	*38.89*	
		For Obscure Glass, Add	*42.78*	
08 53 13 00-0219	EA	24" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	233.69	36.43
		For Colored Vinyl, Add	*16.08*	
		For Tinted Glass, Add	*19.30*	
		For Low-E Insulated Glass, Add	*40.21*	
		For Obscure Glass, Add	*44.23*	
08 53 13 00-0220	EA	28" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	247.35	37.99
		For Colored Vinyl, Add	*17.14*	
		For Tinted Glass, Add	*20.56*	
		For Low-E Insulated Glass, Add	*42.84*	
		For Obscure Glass, Add	*47.12*	

08 53 13 00-0221 40" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*

08 53 13 00-0222	EA	17" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	230.26	36.03
		For Colored Vinyl, Add	*15.90*	
		For Tinted Glass, Add	*19.08*	
		For Low-E Insulated Glass, Add	*39.75*	
		For Obscure Glass, Add	*43.72*	
08 53 13 00-0223	EA	20" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	238.22	36.82
		For Colored Vinyl, Add	*16.46*	
		For Tinted Glass, Add	*19.75*	
		For Low-E Insulated Glass, Add	*41.15*	
		For Obscure Glass, Add	*45.26*	
08 53 13 00-0224	EA	24" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	246.97	38.38
		For Colored Vinyl, Add	*17.02*	
		For Tinted Glass, Add	*20.42*	
		For Low-E Insulated Glass, Add	*42.55*	
		For Obscure Glass, Add	*46.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0225	EA	28" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	261.62	39.95
		For Colored Vinyl, Add	*18.17*	
		For Tinted Glass, Add	*21.81*	
		For Low-E Insulated Glass, Add	*45.43*	
		For Obscure Glass, Add	*49.97*	

08 53 13 00-0226 48" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*

08 53 13 00-0227	EA	17" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	245.28	39.17
		For Colored Vinyl, Add	*16.77*	
		For Tinted Glass, Add	*20.13*	
		For Low-E Insulated Glass, Add	*41.93*	
		For Obscure Glass, Add	*46.13*	
08 53 13 00-0228	EA	20" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	253.54	39.95
		For Colored Vinyl, Add	*17.36*	
		For Tinted Glass, Add	*20.84*	
		For Low-E Insulated Glass, Add	*43.41*	
		For Obscure Glass, Add	*47.75*	
08 53 13 00-0229	EA	24" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	262.60	41.52
		For Colored Vinyl, Add	*17.96*	
		For Tinted Glass, Add	*21.55*	
		For Low-E Insulated Glass, Add	*44.89*	
		For Obscure Glass, Add	*49.38*	
08 53 13 00-0230	EA	28" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	278.57	43.08
		For Colored Vinyl, Add	*19.24*	
		For Tinted Glass, Add	*23.09*	
		For Low-E Insulated Glass, Add	*48.10*	
		For Obscure Glass, Add	*52.91*	

08 53 13 00-0231 52" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*

08 53 13 00-0232	EA	17" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	257.12	40.74
		For Colored Vinyl, Add	*17.64*	
		For Tinted Glass, Add	*21.17*	
		For Low-E Insulated Glass, Add	*44.11*	
		For Obscure Glass, Add	*48.52*	
08 53 13 00-0233	EA	20" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	265.79	41.52
		For Colored Vinyl, Add	*18.28*	
		For Tinted Glass, Add	*21.93*	
		For Low-E Insulated Glass, Add	*45.69*	
		For Obscure Glass, Add	*50.26*	
08 53 13 00-0234	EA	24" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	275.24	43.08
		For Colored Vinyl, Add	*18.91*	
		For Tinted Glass, Add	*22.69*	
		For Low-E Insulated Glass, Add	*47.27*	
		For Obscure Glass, Add	*51.99*	
08 53 13 00-0235	EA	28" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	291.45	44.65
		For Colored Vinyl, Add	*20.22*	
		For Tinted Glass, Add	*24.26*	
		For Low-E Insulated Glass, Add	*50.54*	
		For Obscure Glass, Add	*55.59*	

08 53 13 00-0236 60" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*

08 53 13 00-0237	EA	17" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	271.30	43.08
		For Colored Vinyl, Add	*18.51*	
		For Tinted Glass, Add	*22.22*	
		For Low-E Insulated Glass, Add	*46.28*	
		For Obscure Glass, Add	*50.91*	
08 53 13 00-0238	EA	20" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	280.38	44.65
		For Colored Vinyl, Add	*19.19*	
		For Tinted Glass, Add	*23.02*	
		For Low-E Insulated Glass, Add	*47.97*	
		For Obscure Glass, Add	*52.76*	
08 53 13 00-0239	EA	24" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	290.24	45.82
		For Colored Vinyl, Add	*19.86*	
		For Tinted Glass, Add	*23.83*	
		For Low-E Insulated Glass, Add	*49.65*	
		For Obscure Glass, Add	*54.61*	
08 53 13 00-0240	EA	28" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	306.69	47.39
		For Colored Vinyl, Add	*21.19*	
		For Tinted Glass, Add	*25.43*	
		For Low-E Insulated Glass, Add	*52.98*	
		For Obscure Glass, Add	*58.28*	

08 53 13 00-0241 64" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0242	EA	17" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	283.71	45.44
		For Colored Vinyl, Add	*19.36*	
		For Tinted Glass, Add	*23.24*	
		For Low-E Insulated Glass, Add	*48.41*	
		For Obscure Glass, Add	*53.25*	
08 53 13 00-0243	EA	20" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	293.00	46.21
		For Colored Vinyl, Add	*20.06*	
		For Tinted Glass, Add	*24.07*	
		For Low-E Insulated Glass, Add	*50.14*	
		For Obscure Glass, Add	*55.15*	
08 53 13 00-0244	EA	24" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	303.42	47.78
		For Colored Vinyl, Add	*20.79*	
		For Tinted Glass, Add	*24.94*	
		For Low-E Insulated Glass, Add	*51.96*	
		For Obscure Glass, Add	*57.16*	
08 53 13 00-0245	EA	28" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	319.52	49.36
		For Colored Vinyl, Add	*22.08*	
		For Tinted Glass, Add	*26.50*	
		For Low-E Insulated Glass, Add	*55.21*	
		For Obscure Glass, Add	*60.73*	
08 53 13 00-0246		72" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*		
08 53 13 00-0247	EA	17" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	299.24	47.78
		For Colored Vinyl, Add	*20.37*	
		For Tinted Glass, Add	*24.44*	
		For Low-E Insulated Glass, Add	*50.92*	
		For Obscure Glass, Add	*56.01*	
08 53 13 00-0248	EA	20" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	308.96	49.36
		For Colored Vinyl, Add	*21.10*	
		For Tinted Glass, Add	*25.32*	
		For Low-E Insulated Glass, Add	*52.76*	
		For Obscure Glass, Add	*58.04*	
08 53 13 00-0249	EA	24" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	318.98	50.52
		For Colored Vinyl, Add	*21.79*	
		For Tinted Glass, Add	*26.15*	
		For Low-E Insulated Glass, Add	*54.48*	
		For Obscure Glass, Add	*59.93*	
08 53 13 00-0250	EA	28" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	334.91	52.09
		For Colored Vinyl, Add	*23.07*	
		For Tinted Glass, Add	*27.69*	
		For Low-E Insulated Glass, Add	*57.68*	
		For Obscure Glass, Add	*63.45*	
08 53 13 00-0251		Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0204)*		
08 53 13 00-0252		36" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*		
08 53 13 00-0253	EA	33" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	368.62	39.95
		For Colored Vinyl, Add	*28.87*	
		For Tinted Glass, Add	*34.65*	
		For Low-E Insulated Glass, Add	*72.18*	
		For Obscure Glass, Add	*79.40*	
08 53 13 00-0254	EA	40" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	383.16	43.08
		For Colored Vinyl, Add	*29.78*	
		For Tinted Glass, Add	*35.73*	
		For Low-E Insulated Glass, Add	*74.45*	
		For Obscure Glass, Add	*81.89*	
08 53 13 00-0255	EA	48" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	398.51	46.21
		For Colored Vinyl, Add	*30.69*	
		For Tinted Glass, Add	*36.82*	
		For Low-E Insulated Glass, Add	*76.72*	
		For Obscure Glass, Add	*84.39*	
08 53 13 00-0256	EA	56" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	415.54	48.96
		For Colored Vinyl, Add	*31.76*	
		For Tinted Glass, Add	*38.11*	
		For Low-E Insulated Glass, Add	*79.41*	
		For Obscure Glass, Add	*87.35*	
08 53 13 00-0257		40" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*		
08 53 13 00-0258	EA	33" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	390.00	41.90
		For Colored Vinyl, Add	*30.62*	
		For Tinted Glass, Add	*36.74*	
		For Low-E Insulated Glass, Add	*76.55*	
		For Obscure Glass, Add	*84.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0259	EA	40" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	405.29	44.65
		For Colored Vinyl, Add	*31.60*	
		For Tinted Glass, Add	*37.92*	
		For Low-E Insulated Glass, Add	*79.00*	
		For Obscure Glass, Add	*86.90*	
08 53 13 00-0260	EA	48" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	421.38	47.78
		For Colored Vinyl, Add	*32.58*	
		For Tinted Glass, Add	*39.10*	
		For Low-E Insulated Glass, Add	*81.45*	
		For Obscure Glass, Add	*89.60*	
08 53 13 00-0261	EA	56" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	437.95	50.92
		For Colored Vinyl, Add	*33.61*	
		For Tinted Glass, Add	*40.33*	
		For Low-E Insulated Glass, Add	*84.03*	
		For Obscure Glass, Add	*92.43*	

08 53 13 00-0262 48" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*

08 53 13 00-0263	EA	33" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	414.07	45.05
		For Colored Vinyl, Add	*32.40*	
		For Tinted Glass, Add	*38.88*	
		For Low-E Insulated Glass, Add	*81.00*	
		For Obscure Glass, Add	*89.10*	
08 53 13 00-0264	EA	40" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	429.90	47.78
		For Colored Vinyl, Add	*33.43*	
		For Tinted Glass, Add	*40.12*	
		For Low-E Insulated Glass, Add	*83.58*	
		For Obscure Glass, Add	*91.94*	
08 53 13 00-0265	EA	48" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	446.53	50.92
		For Colored Vinyl, Add	*34.47*	
		For Tinted Glass, Add	*41.36*	
		For Low-E Insulated Glass, Add	*86.18*	
		For Obscure Glass, Add	*94.79*	
08 53 13 00-0266	EA	56" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	464.36	54.05
		For Colored Vinyl, Add	*35.63*	
		For Tinted Glass, Add	*42.75*	
		For Low-E Insulated Glass, Add	*89.07*	
		For Obscure Glass, Add	*97.97*	

08 53 13 00-0267 52" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*

08 53 13 00-0268	EA	33" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	434.96	46.61
		For Colored Vinyl, Add	*34.18*	
		For Tinted Glass, Add	*41.01*	
		For Low-E Insulated Glass, Add	*85.44*	
		For Obscure Glass, Add	*93.98*	
08 53 13 00-0269	EA	40" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	451.52	49.36
		For Colored Vinyl, Add	*35.28*	
		For Tinted Glass, Add	*42.34*	
		For Low-E Insulated Glass, Add	*88.21*	
		For Obscure Glass, Add	*97.03*	
08 53 13 00-0270	EA	48" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	468.84	52.49
		For Colored Vinyl, Add	*36.39*	
		For Tinted Glass, Add	*43.67*	
		For Low-E Insulated Glass, Add	*90.97*	
		For Obscure Glass, Add	*100.07*	
08 53 13 00-0271	EA	56" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	486.94	55.62
		For Colored Vinyl, Add	*37.57*	
		For Tinted Glass, Add	*45.08*	
		For Low-E Insulated Glass, Add	*93.93*	
		For Obscure Glass, Add	*103.32*	

08 53 13 00-0272 60" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*

08 53 13 00-0273	EA	33" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	458.22	49.36
		For Colored Vinyl, Add	*35.95*	
		For Tinted Glass, Add	*43.14*	
		For Low-E Insulated Glass, Add	*89.88*	
		For Obscure Glass, Add	*98.87*	
08 53 13 00-0274	EA	40" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	475.49	52.49
		For Colored Vinyl, Add	*37.13*	
		For Tinted Glass, Add	*44.56*	
		For Low-E Insulated Glass, Add	*92.83*	
		For Obscure Glass, Add	*102.11*	
08 53 13 00-0275	EA	48" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	493.52	55.62
		For Colored Vinyl, Add	*38.31*	
		For Tinted Glass, Add	*45.97*	
		For Low-E Insulated Glass, Add	*95.77*	
		For Obscure Glass, Add	*105.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0276	EA	56" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	511.83	58.36
		For Colored Vinyl, Add	*39.51*	
		For Tinted Glass, Add	*47.41*	
		For Low-E Insulated Glass, Add	*98.78*	
		For Obscure Glass, Add	*108.66*	
08 53 13 00-0277		64" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*		
08 53 13 00-0278	EA	33" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	480.49	51.31
		For Colored Vinyl, Add	*37.79*	
		For Tinted Glass, Add	*45.34*	
		For Low-E Insulated Glass, Add	*94.47*	
		For Obscure Glass, Add	*103.91*	
08 53 13 00-0279	EA	40" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	497.75	54.05
		For Colored Vinyl, Add	*38.97*	
		For Tinted Glass, Add	*46.76*	
		For Low-E Insulated Glass, Add	*97.41*	
		For Obscure Glass, Add	*107.15*	
08 53 13 00-0280	EA	48" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	515.73	57.19
		For Colored Vinyl, Add	*40.14*	
		For Tinted Glass, Add	*48.16*	
		For Low-E Insulated Glass, Add	*100.34*	
		For Obscure Glass, Add	*110.37*	
08 53 13 00-0281	EA	56" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	534.11	60.32
		For Colored Vinyl, Add	*41.35*	
		For Tinted Glass, Add	*49.62*	
		For Low-E Insulated Glass, Add	*103.37*	
		For Obscure Glass, Add	*113.70*	
08 53 13 00-0282		72" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*		
08 53 13 00-0283	EA	33" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	505.50	54.05
		For Colored Vinyl, Add	*39.74*	
		For Tinted Glass, Add	*47.69*	
		For Low-E Insulated Glass, Add	*99.35*	
		For Obscure Glass, Add	*109.29*	
08 53 13 00-0284	EA	40" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	522.76	57.19
		For Colored Vinyl, Add	*40.92*	
		For Tinted Glass, Add	*49.10*	
		For Low-E Insulated Glass, Add	*102.30*	
		For Obscure Glass, Add	*112.52*	
08 53 13 00-0285	EA	48" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	540.82	60.32
		For Colored Vinyl, Add	*42.10*	
		For Tinted Glass, Add	*50.52*	
		For Low-E Insulated Glass, Add	*105.24*	
		For Obscure Glass, Add	*115.77*	
08 53 13 00-0286	EA	56" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	559.13	63.06
		For Colored Vinyl, Add	*43.30*	
		For Tinted Glass, Add	*51.96*	
		For Low-E Insulated Glass, Add	*108.25*	
		For Obscure Glass, Add	*119.08*	
08 53 13 00-0287		Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0204)*		
08 53 13 00-0288		36" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*		
08 53 13 00-0289	EA	62" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	456.36	50.92
		For Colored Vinyl, Add	*35.45*	
		For Tinted Glass, Add	*42.54*	
		For Low-E Insulated Glass, Add	*88.63*	
		For Obscure Glass, Add	*97.50*	
08 53 13 00-0290	EA	72" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	479.14	54.83
		For Colored Vinyl, Add	*36.95*	
		For Tinted Glass, Add	*44.34*	
		For Low-E Insulated Glass, Add	*92.37*	
		For Obscure Glass, Add	*101.60*	
08 53 13 00-0291	EA	86" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	518.99	60.71
		For Colored Vinyl, Add	*39.76*	
		For Tinted Glass, Add	*47.71*	
		For Low-E Insulated Glass, Add	*99.39*	
		For Obscure Glass, Add	*109.33*	
08 53 13 00-0292		40" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0293	EA	62" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	485.19	53.27
		For Colored Vinyl, Add	*37.94*	
		For Tinted Glass, Add	*45.53*	
		For Low-E Insulated Glass, Add	*94.86*	
		For Obscure Glass, Add	*104.35*	
08 53 13 00-0294	EA	72" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	508.11	56.80
		For Colored Vinyl, Add	*39.45*	
		For Tinted Glass, Add	*47.34*	
		For Low-E Insulated Glass, Add	*98.63*	
		For Obscure Glass, Add	*108.50*	
08 53 13 00-0295	EA	86" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	549.97	62.67
		For Colored Vinyl, Add	*42.46*	
		For Tinted Glass, Add	*50.96*	
		For Low-E Insulated Glass, Add	*106.16*	
		For Obscure Glass, Add	*116.78*	

08 53 13 00-0296 48" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*

08 53 13 00-0297	EA	62" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	513.58	56.40
		For Colored Vinyl, Add	*40.08*	
		For Tinted Glass, Add	*48.09*	
		For Low-E Insulated Glass, Add	*100.20*	
		For Obscure Glass, Add	*110.21*	
08 53 13 00-0298	EA	72" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	539.80	59.93
		For Colored Vinyl, Add	*42.00*	
		For Tinted Glass, Add	*50.39*	
		For Low-E Insulated Glass, Add	*104.99*	
		For Obscure Glass, Add	*115.49*	
08 53 13 00-0299	EA	86" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	583.39	65.80
		For Colored Vinyl, Add	*45.18*	
		For Tinted Glass, Add	*54.21*	
		For Low-E Insulated Glass, Add	*112.95*	
		For Obscure Glass, Add	*124.24*	

08 53 13 00-0300 52" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*

08 53 13 00-0301	EA	62" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	540.78	57.96
		For Colored Vinyl, Add	*42.48*	
		For Tinted Glass, Add	*50.98*	
		For Low-E Insulated Glass, Add	*106.21*	
		For Obscure Glass, Add	*116.83*	
08 53 13 00-0302	EA	72" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	568.82	61.88
		For Colored Vinyl, Add	*44.51*	
		For Tinted Glass, Add	*53.41*	
		For Low-E Insulated Glass, Add	*111.26*	
		For Obscure Glass, Add	*122.39*	
08 53 13 00-0303	EA	86" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	617.67	67.37
		For Colored Vinyl, Add	*48.29*	
		For Tinted Glass, Add	*57.95*	
		For Low-E Insulated Glass, Add	*120.73*	
		For Obscure Glass, Add	*132.81*	

08 53 13 00-0304 60" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*

08 53 13 00-0305	EA	62" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	570.29	60.71
		For Colored Vinyl, Add	*44.89*	
		For Tinted Glass, Add	*53.86*	
		For Low-E Insulated Glass, Add	*112.22*	
		For Obscure Glass, Add	*123.44*	
08 53 13 00-0306	EA	72" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	599.38	64.63
		For Colored Vinyl, Add	*47.01*	
		For Tinted Glass, Add	*56.42*	
		For Low-E Insulated Glass, Add	*117.53*	
		For Obscure Glass, Add	*129.29*	
08 53 13 00-0307	EA	86" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	654.29	70.11
		For Colored Vinyl, Add	*51.41*	
		For Tinted Glass, Add	*61.69*	
		For Low-E Insulated Glass, Add	*128.52*	
		For Obscure Glass, Add	*141.37*	

08 53 13 00-0308 64" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*

08 53 13 00-0309	EA	62" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	601.36	62.67
		For Colored Vinyl, Add	*47.60*	
		For Tinted Glass, Add	*57.12*	
		For Low-E Insulated Glass, Add	*119.01*	
		For Obscure Glass, Add	*130.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0310	EA	72" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	630.44	66.58
		For Colored Vinyl, Add	*49.73*	
		For Tinted Glass, Add	*59.67*	
		For Low-E Insulated Glass, Add	*124.32*	
		For Obscure Glass, Add	*136.75*	
08 53 13 00-0311	EA	86" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	685.35	72.07
		For Colored Vinyl, Add	*54.12*	
		For Tinted Glass, Add	*64.95*	
		For Low-E Insulated Glass, Add	*135.30*	
		For Obscure Glass, Add	*148.83*	

08 53 13 00-0312 72" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*

08 53 13 00-0313	EA	62" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	634.07	65.40
		For Colored Vinyl, Add	*50.33*	
		For Tinted Glass, Add	*60.39*	
		For Low-E Insulated Glass, Add	*125.81*	
		For Obscure Glass, Add	*138.39*	
08 53 13 00-0314	EA	72" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	663.15	69.32
		For Colored Vinyl, Add	*52.45*	
		For Tinted Glass, Add	*62.94*	
		For Low-E Insulated Glass, Add	*131.13*	
		For Obscure Glass, Add	*144.24*	
08 53 13 00-0315	EA	86" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	718.05	74.81
		For Colored Vinyl, Add	*56.84*	
		For Tinted Glass, Add	*68.21*	
		For Low-E Insulated Glass, Add	*142.11*	
		For Obscure Glass, Add	*156.32*	

08 53 13 00-0316 Replacement, Casement Vinyl Windows (Silver Line 7500) *(08 53 13 00-0203)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 53 13 00-0317 One Operating Sash, Replacement, Casement Vinyl Windows (Silver Line 7500) *(08 53 13 00-0316)*

08 53 13 00-0318	EA	Up To 53" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	242.31	33.30
		For Colored Vinyl, Add	*17.57*	
		For Tinted Glass, Add	*21.09*	
		For Low-E Insulated Glass, Add	*43.93*	
		For Obscure Glass, Add	*48.33*	
08 53 13 00-0319	EA	>53 To 63" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	274.60	37.21
		For Colored Vinyl, Add	*20.02*	
		For Tinted Glass, Add	*24.02*	
		For Low-E Insulated Glass, Add	*50.05*	
		For Obscure Glass, Add	*55.05*	
08 53 13 00-0320	EA	>63 To 73" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	304.12	41.13
		For Colored Vinyl, Add	*22.19*	
		For Tinted Glass, Add	*26.62*	
		For Low-E Insulated Glass, Add	*55.47*	
		For Obscure Glass, Add	*61.01*	
08 53 13 00-0321	EA	>73" To 83" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	330.87	45.05
		For Colored Vinyl, Add	*24.08*	
		For Tinted Glass, Add	*28.89*	
		For Low-E Insulated Glass, Add	*60.20*	
		For Obscure Glass, Add	*66.22*	
08 53 13 00-0322	EA	>83" To 93" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	354.88	48.96
		For Colored Vinyl, Add	*25.70*	
		For Tinted Glass, Add	*30.84*	
		For Low-E Insulated Glass, Add	*64.24*	
		For Obscure Glass, Add	*70.66*	
08 53 13 00-0323	EA	>93" To 101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	370.86	52.88
		For Colored Vinyl, Add	*26.51*	
		For Tinted Glass, Add	*31.81*	
		For Low-E Insulated Glass, Add	*66.28*	
		For Obscure Glass, Add	*72.91*	
08 53 13 00-0324	UI	>101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	3.64	0.51
		For Colored Vinyl, Add	*0.26*	
		For Tinted Glass, Add	*0.31*	
		For Low-E Insulated Glass, Add	*0.66*	
		For Obscure Glass, Add	*0.72*	

08 53 13 00-0325 Two Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500) *(08 53 13 00-0316)*

08 53 13 00-0326	EA	Up To 73" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	389.84	41.13
		For Colored Vinyl, Add	*30.76*	
		For Tinted Glass, Add	*36.91*	
		For Low-E Insulated Glass, Add	*76.90*	
		For Obscure Glass, Add	*84.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0327	EA	>73" To 83" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	428.34	45.05
		For Colored Vinyl, Add	*33.83*	
		For Tinted Glass, Add	*40.59*	
		For Low-E Insulated Glass, Add	*84.57*	
		For Obscure Glass, Add	*93.02*	
08 53 13 00-0328	EA	>83" To 93" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	464.08	48.96
		For Colored Vinyl, Add	*36.62*	
		For Tinted Glass, Add	*43.94*	
		For Low-E Insulated Glass, Add	*91.54*	
		For Obscure Glass, Add	*100.69*	
08 53 13 00-0329	EA	>93" To 101" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	489.46	52.88
		For Colored Vinyl, Add	*38.37*	
		For Tinted Glass, Add	*46.05*	
		For Low-E Insulated Glass, Add	*95.93*	
		For Obscure Glass, Add	*105.52*	
08 53 13 00-0330	EA	>101" To 110" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	516.28	56.80
		For Colored Vinyl, Add	*40.27*	
		For Tinted Glass, Add	*48.32*	
		For Low-E Insulated Glass, Add	*100.68*	
		For Obscure Glass, Add	*110.74*	
08 53 13 00-0331	EA	>110" To 120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	544.16	60.71
		For Colored Vinyl, Add	*42.27*	
		For Tinted Glass, Add	*50.73*	
		For Low-E Insulated Glass, Add	*105.69*	
		For Obscure Glass, Add	*116.25*	
08 53 13 00-0332	UI	>120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	4.54	0.51
		For Colored Vinyl, Add	*0.35*	
		For Tinted Glass, Add	*0.42*	
		For Low-E Insulated Glass, Add	*0.88*	
		For Obscure Glass, Add	*0.97*	

08 53 13 00-0333 Three Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500) *(08 53 13 00-0316)*

08 53 13 00-0334	EA	Up To 73" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	404.97	41.13
		For Colored Vinyl, Add	*32.27*	
		For Tinted Glass, Add	*38.73*	
		For Low-E Insulated Glass, Add	*80.68*	
		For Obscure Glass, Add	*88.75*	
08 53 13 00-0335	EA	>73" To 83" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	445.12	45.05
		For Colored Vinyl, Add	*35.50*	
		For Tinted Glass, Add	*42.60*	
		For Low-E Insulated Glass, Add	*88.76*	
		For Obscure Glass, Add	*97.64*	
08 53 13 00-0336	EA	>83" To 93" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	483.36	48.96
		For Colored Vinyl, Add	*38.54*	
		For Tinted Glass, Add	*46.25*	
		For Low-E Insulated Glass, Add	*96.36*	
		For Obscure Glass, Add	*106.00*	
08 53 13 00-0337	EA	>93" To 101" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	510.39	52.88
		For Colored Vinyl, Add	*40.46*	
		For Tinted Glass, Add	*48.56*	
		For Low-E Insulated Glass, Add	*101.16*	
		For Obscure Glass, Add	*111.28*	
08 53 13 00-0338	EA	>101" To 110" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	539.08	56.80
		For Colored Vinyl, Add	*42.55*	
		For Tinted Glass, Add	*51.06*	
		For Low-E Insulated Glass, Add	*106.38*	
		For Obscure Glass, Add	*117.01*	
08 53 13 00-0339	EA	>110" To 120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	569.02	60.71
		For Colored Vinyl, Add	*44.76*	
		For Tinted Glass, Add	*53.71*	
		For Low-E Insulated Glass, Add	*111.90*	
		For Obscure Glass, Add	*123.09*	
08 53 13 00-0340	UI	>120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	4.75	0.51
		For Colored Vinyl, Add	*0.37*	
		For Tinted Glass, Add	*0.45*	
		For Low-E Insulated Glass, Add	*0.93*	
		For Obscure Glass, Add	*1.03*	

08 53 13 00-0341 Awning Vinyl Windows *(08 53 13)*

08 53 13 00-0342 New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0341)*
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 53 13 00-0343 Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0342)*

08 53 13 00-0344 17" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0343)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0345	EA	24" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	242.69	32.12
		For Colored Vinyl, Add	*17.85*	
		For Tinted Glass, Add	*21.41*	
		For Low-E Insulated Glass, Add	*44.61*	
		For Obscure Glass, Add	*49.07*	
08 53 13 00-0346	EA	28" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	254.11	33.68
		For Colored Vinyl, Add	*18.67*	
		For Tinted Glass, Add	*22.41*	
		For Low-E Insulated Glass, Add	*46.69*	
		For Obscure Glass, Add	*51.35*	
08 53 13 00-0347	EA	36" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	272.03	36.43
		For Colored Vinyl, Add	*19.92*	
		For Tinted Glass, Add	*23.90*	
		For Low-E Insulated Glass, Add	*49.79*	
		For Obscure Glass, Add	*54.77*	
08 53 13 00-0348	EA	40" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	283.76	38.38
		For Colored Vinyl, Add	*20.70*	
		For Tinted Glass, Add	*24.84*	
		For Low-E Insulated Glass, Add	*51.75*	
		For Obscure Glass, Add	*56.92*	
08 53 13 00-0349	EA	48" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	302.92	41.52
		For Colored Vinyl, Add	*21.99*	
		For Tinted Glass, Add	*26.39*	
		For Low-E Insulated Glass, Add	*54.97*	
		For Obscure Glass, Add	*60.47*	

08 53 13 00-0350 20" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0343)*

08 53 13 00-0351	EA	24" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	255.39	33.68
		For Colored Vinyl, Add	*18.88*	
		For Tinted Glass, Add	*22.66*	
		For Low-E Insulated Glass, Add	*47.20*	
		For Obscure Glass, Add	*51.92*	
08 53 13 00-0352	EA	28" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	266.81	35.25
		For Colored Vinyl, Add	*19.71*	
		For Tinted Glass, Add	*23.65*	
		For Low-E Insulated Glass, Add	*49.28*	
		For Obscure Glass, Add	*54.20*	
08 53 13 00-0353	EA	36" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	285.88	37.60
		For Colored Vinyl, Add	*21.07*	
		For Tinted Glass, Add	*25.28*	
		For Low-E Insulated Glass, Add	*52.67*	
		For Obscure Glass, Add	*57.94*	
08 53 13 00-0354	EA	40" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	297.63	39.95
		For Colored Vinyl, Add	*21.85*	
		For Tinted Glass, Add	*26.22*	
		For Low-E Insulated Glass, Add	*54.63*	
		For Obscure Glass, Add	*60.09*	
08 53 13 00-0355	EA	48" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	317.93	42.69
		For Colored Vinyl, Add	*23.26*	
		For Tinted Glass, Add	*27.91*	
		For Low-E Insulated Glass, Add	*58.14*	
		For Obscure Glass, Add	*63.95*	

08 53 13 00-0356 24" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0343)*

08 53 13 00-0357	EA	24" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	264.27	35.25
		For Colored Vinyl, Add	*19.46*	
		For Tinted Glass, Add	*23.35*	
		For Low-E Insulated Glass, Add	*48.64*	
		For Obscure Glass, Add	*53.50*	
08 53 13 00-0358	EA	28" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	275.70	36.82
		For Colored Vinyl, Add	*20.28*	
		For Tinted Glass, Add	*24.34*	
		For Low-E Insulated Glass, Add	*50.71*	
		For Obscure Glass, Add	*55.78*	
08 53 13 00-0359	EA	36" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	295.33	39.17
		For Colored Vinyl, Add	*21.70*	
		For Tinted Glass, Add	*26.04*	
		For Low-E Insulated Glass, Add	*54.25*	
		For Obscure Glass, Add	*59.68*	
08 53 13 00-0360	EA	40" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	308.01	41.52
		For Colored Vinyl, Add	*22.58*	
		For Tinted Glass, Add	*27.09*	
		For Low-E Insulated Glass, Add	*56.44*	
		For Obscure Glass, Add	*62.08*	
08 53 13 00-0361	EA	48" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	328.55	44.26
		For Colored Vinyl, Add	*24.00*	
		For Tinted Glass, Add	*28.80*	
		For Low-E Insulated Glass, Add	*60.01*	
		For Obscure Glass, Add	*66.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 53 13 00-0362 28" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0343)*

08 53 13 00-0363	EA	24" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	273.18	36.82
		For Colored Vinyl, Add	*20.03*	
		For Tinted Glass, Add	*24.04*	
		For Low-E Insulated Glass, Add	*50.08*	
		For Obscure Glass, Add	*55.09*	
08 53 13 00-0364	EA	28" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	284.59	38.38
		For Colored Vinyl, Add	*20.86*	
		For Tinted Glass, Add	*25.03*	
		For Low-E Insulated Glass, Add	*52.15*	
		For Obscure Glass, Add	*57.37*	
08 53 13 00-0365	EA	36" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	304.81	40.74
		For Colored Vinyl, Add	*22.34*	
		For Tinted Glass, Add	*26.80*	
		For Low-E Insulated Glass, Add	*55.84*	
		For Obscure Glass, Add	*61.42*	
08 53 13 00-0366	EA	40" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	318.34	43.08
		For Colored Vinyl, Add	*23.30*	
		For Tinted Glass, Add	*27.96*	
		For Low-E Insulated Glass, Add	*58.24*	
		For Obscure Glass, Add	*64.06*	
08 53 13 00-0367	EA	48" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	339.17	45.82
		For Colored Vinyl, Add	*24.75*	
		For Tinted Glass, Add	*29.70*	
		For Low-E Insulated Glass, Add	*61.88*	
		For Obscure Glass, Add	*68.07*	

08 53 13 00-0368 36" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0343)*

08 53 13 00-0369	EA	36" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	322.95	43.48
		For Colored Vinyl, Add	*23.60*	
		For Tinted Glass, Add	*28.32*	
		For Low-E Insulated Glass, Add	*59.00*	
		For Obscure Glass, Add	*64.90*	
08 53 13 00-0370	EA	40" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	336.50	45.44
		For Colored Vinyl, Add	*24.56*	
		For Tinted Glass, Add	*29.48*	
		For Low-E Insulated Glass, Add	*61.41*	
		For Obscure Glass, Add	*67.55*	
08 53 13 00-0371	EA	48" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	358.47	48.57
		For Colored Vinyl, Add	*26.13*	
		For Tinted Glass, Add	*31.36*	
		For Low-E Insulated Glass, Add	*65.34*	
		For Obscure Glass, Add	*71.87*	

08 53 13 00-0372 Replacement, Awning Vinyl Windows (Silver Line 7400) *(08 53 13 00-0341)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 53 13 00-0373	EA	Up To 53" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	253.29	33.30
		For Colored Vinyl, Add	*18.67*	
		For Tinted Glass, Add	*22.41*	
		For Low-E Insulated Glass, Add	*46.68*	
		For Obscure Glass, Add	*51.35*	
08 53 13 00-0374	EA	>53" To 63" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	292.00	37.21
		For Colored Vinyl, Add	*21.76*	
		For Tinted Glass, Add	*26.11*	
		For Low-E Insulated Glass, Add	*54.40*	
		For Obscure Glass, Add	*59.83*	
08 53 13 00-0375	EA	>63" To 73" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	329.33	41.13
		For Colored Vinyl, Add	*24.71*	
		For Tinted Glass, Add	*29.65*	
		For Low-E Insulated Glass, Add	*61.77*	
		For Obscure Glass, Add	*67.95*	
08 53 13 00-0376	EA	>73" To 83" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	365.27	45.05
		For Colored Vinyl, Add	*27.52*	
		For Tinted Glass, Add	*33.02*	
		For Low-E Insulated Glass, Add	*68.80*	
		For Obscure Glass, Add	*75.68*	
08 53 13 00-0377	EA	>83" To 93" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	399.84	48.96
		For Colored Vinyl, Add	*30.19*	
		For Tinted Glass, Add	*36.23*	
		For Low-E Insulated Glass, Add	*75.48*	
		For Obscure Glass, Add	*83.03*	
08 53 13 00-0378	EA	>93" To 101" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	419.69	52.88
		For Colored Vinyl, Add	*31.39*	
		For Tinted Glass, Add	*37.67*	
		For Low-E Insulated Glass, Add	*78.49*	
		For Obscure Glass, Add	*86.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0379	UI	>101" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	4.13	0.51
		For Colored Vinyl, Add	*0.31*	
		For Tinted Glass, Add	*0.37*	
		For Low-E Insulated Glass, Add	*0.78*	
		For Obscure Glass, Add	*0.86*	

08 53 13 00-0380 Horizontal Sliding Vinyl Windows *(08 53 13)*

08 53 13 00-0381 New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0380)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 53 13 00-0382 20" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0383	EA	36" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	159.39	38.38
		For Colored Vinyl, Add	*8.34*	
		For Tinted Glass, Add	*10.01*	
		For Low-E Insulated Glass, Add	*20.85*	
		For Obscure Glass, Add	*22.94*	
08 53 13 00-0384	EA	48" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	176.96	43.08
		For Colored Vinyl, Add	*9.16*	
		For Tinted Glass, Add	*10.99*	
		For Low-E Insulated Glass, Add	*22.90*	
		For Obscure Glass, Add	*25.18*	
08 53 13 00-0385	EA	54" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	185.75	45.05
		For Colored Vinyl, Add	*9.57*	
		For Tinted Glass, Add	*11.48*	
		For Low-E Insulated Glass, Add	*23.92*	
		For Obscure Glass, Add	*26.31*	
08 53 13 00-0386	EA	60" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	194.54	47.39
		For Colored Vinyl, Add	*9.98*	
		For Tinted Glass, Add	*11.97*	
		For Low-E Insulated Glass, Add	*24.94*	
		For Obscure Glass, Add	*27.43*	
08 53 13 00-0387	EA	64" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	200.40	49.36
		For Colored Vinyl, Add	*10.25*	
		For Tinted Glass, Add	*12.30*	
		For Low-E Insulated Glass, Add	*25.62*	
		For Obscure Glass, Add	*28.18*	
08 53 13 00-0388	EA	72" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	212.13	52.09
		For Colored Vinyl, Add	*10.79*	
		For Tinted Glass, Add	*12.95*	
		For Low-E Insulated Glass, Add	*26.99*	
		For Obscure Glass, Add	*29.68*	

08 53 13 00-0389 24" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0390	EA	36" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	167.12	39.95
		For Colored Vinyl, Add	*8.80*	
		For Tinted Glass, Add	*10.56*	
		For Low-E Insulated Glass, Add	*22.00*	
		For Obscure Glass, Add	*24.20*	
08 53 13 00-0391	EA	48" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	185.07	44.65
		For Colored Vinyl, Add	*9.66*	
		For Tinted Glass, Add	*11.59*	
		For Low-E Insulated Glass, Add	*24.14*	
		For Obscure Glass, Add	*26.55*	
08 53 13 00-0392	EA	54" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	194.09	46.61
		For Colored Vinyl, Add	*10.09*	
		For Tinted Glass, Add	*12.11*	
		For Low-E Insulated Glass, Add	*25.22*	
		For Obscure Glass, Add	*27.74*	
08 53 13 00-0393	EA	60" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	203.04	48.96
		For Colored Vinyl, Add	*10.51*	
		For Tinted Glass, Add	*12.61*	
		For Low-E Insulated Glass, Add	*26.28*	
		For Obscure Glass, Add	*28.91*	
08 53 13 00-0394	EA	64" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	209.01	50.92
		For Colored Vinyl, Add	*10.80*	
		For Tinted Glass, Add	*12.96*	
		For Low-E Insulated Glass, Add	*26.99*	
		For Obscure Glass, Add	*29.69*	
08 53 13 00-0395	EA	72" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	220.99	53.65
		For Colored Vinyl, Add	*11.37*	
		For Tinted Glass, Add	*13.64*	
		For Low-E Insulated Glass, Add	*28.42*	
		For Obscure Glass, Add	*31.26*	

08 53 13 00-0396 36" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0397	EA	36" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	190.45	44.65
		For Colored Vinyl, Add	*10.19*	
		For Tinted Glass, Add	*12.23*	
		For Low-E Insulated Glass, Add	*25.48*	
		For Obscure Glass, Add	*28.03*	
08 53 13 00-0398	EA	48" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	209.60	49.36
		For Colored Vinyl, Add	*11.17*	
		For Tinted Glass, Add	*13.40*	
		For Low-E Insulated Glass, Add	*27.92*	
		For Obscure Glass, Add	*30.71*	
08 53 13 00-0399	EA	54" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	219.19	51.31
		For Colored Vinyl, Add	*11.66*	
		For Tinted Glass, Add	*13.99*	
		For Low-E Insulated Glass, Add	*29.14*	
		For Obscure Glass, Add	*32.06*	
08 53 13 00-0400	EA	60" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	228.77	53.65
		For Colored Vinyl, Add	*12.15*	
		For Tinted Glass, Add	*14.57*	
		For Low-E Insulated Glass, Add	*30.36*	
		For Obscure Glass, Add	*33.40*	
08 53 13 00-0401	EA	64" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	235.16	54.83
		For Colored Vinyl, Add	*12.47*	
		For Tinted Glass, Add	*14.97*	
		For Low-E Insulated Glass, Add	*31.18*	
		For Obscure Glass, Add	*34.30*	
08 53 13 00-0402	EA	72" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	247.92	58.36
		For Colored Vinyl, Add	*13.12*	
		For Tinted Glass, Add	*15.75*	
		For Low-E Insulated Glass, Add	*32.80*	
		For Obscure Glass, Add	*36.08*	

08 53 13 00-0403 42" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0404	EA	36" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	202.10	47.00
		For Colored Vinyl, Add	*10.89*	
		For Tinted Glass, Add	*13.07*	
		For Low-E Insulated Glass, Add	*27.22*	
		For Obscure Glass, Add	*29.94*	
08 53 13 00-0405	EA	48" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	221.87	51.70
		For Colored Vinyl, Add	*11.93*	
		For Tinted Glass, Add	*14.31*	
		For Low-E Insulated Glass, Add	*29.81*	
		For Obscure Glass, Add	*32.79*	
08 53 13 00-0406	EA	54" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	231.76	53.65
		For Colored Vinyl, Add	*12.44*	
		For Tinted Glass, Add	*14.93*	
		For Low-E Insulated Glass, Add	*31.11*	
		For Obscure Glass, Add	*34.22*	
08 53 13 00-0407	EA	60" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	241.65	56.01
		For Colored Vinyl, Add	*12.96*	
		For Tinted Glass, Add	*15.56*	
		For Low-E Insulated Glass, Add	*32.41*	
		For Obscure Glass, Add	*35.65*	
08 53 13 00-0408	EA	64" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	248.22	57.96
		For Colored Vinyl, Add	*13.31*	
		For Tinted Glass, Add	*15.97*	
		For Low-E Insulated Glass, Add	*33.27*	
		For Obscure Glass, Add	*36.59*	
08 53 13 00-0409	EA	72" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	261.41	60.71
		For Colored Vinyl, Add	*14.00*	
		For Tinted Glass, Add	*16.80*	
		For Low-E Insulated Glass, Add	*35.00*	
		For Obscure Glass, Add	*38.50*	

08 53 13 00-0410 44" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0411	EA	36" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	205.99	47.78
		For Colored Vinyl, Add	*11.12*	
		For Tinted Glass, Add	*13.35*	
		For Low-E Insulated Glass, Add	*27.80*	
		For Obscure Glass, Add	*30.58*	
08 53 13 00-0412	EA	48" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	225.97	52.49
		For Colored Vinyl, Add	*12.18*	
		For Tinted Glass, Add	*14.61*	
		For Low-E Insulated Glass, Add	*30.45*	
		For Obscure Glass, Add	*33.49*	
08 53 13 00-0413	EA	54" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	235.94	54.44
		For Colored Vinyl, Add	*12.71*	
		For Tinted Glass, Add	*15.25*	
		For Low-E Insulated Glass, Add	*31.77*	
		For Obscure Glass, Add	*34.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0414	EA	60" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	245.93	56.80
		For Colored Vinyl, Add	*13.24*	
		For Tinted Glass, Add	*15.88*	
		For Low-E Insulated Glass, Add	*33.09*	
		For Obscure Glass, Add	*36.40*	
08 53 13 00-0415	EA	64" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	252.58	58.75
		For Colored Vinyl, Add	*13.59*	
		For Tinted Glass, Add	*16.30*	
		For Low-E Insulated Glass, Add	*33.97*	
		For Obscure Glass, Add	*37.36*	
08 53 13 00-0416	EA	72" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	265.89	61.49
		For Colored Vinyl, Add	*14.29*	
		For Tinted Glass, Add	*17.15*	
		For Low-E Insulated Glass, Add	*35.73*	
		For Obscure Glass, Add	*39.30*	

08 53 13 00-0417 46" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0418	EA	36" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	209.88	48.57
		For Colored Vinyl, Add	*11.35*	
		For Tinted Glass, Add	*13.62*	
		For Low-E Insulated Glass, Add	*28.38*	
		For Obscure Glass, Add	*31.22*	
08 53 13 00-0419	EA	48" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	230.04	53.27
		For Colored Vinyl, Add	*12.43*	
		For Tinted Glass, Add	*14.91*	
		For Low-E Insulated Glass, Add	*31.07*	
		For Obscure Glass, Add	*34.18*	
08 53 13 00-0420	EA	54" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	240.13	55.23
		For Colored Vinyl, Add	*12.97*	
		For Tinted Glass, Add	*15.56*	
		For Low-E Insulated Glass, Add	*32.42*	
		For Obscure Glass, Add	*35.66*	
08 53 13 00-0421	EA	60" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	250.20	57.57
		For Colored Vinyl, Add	*13.51*	
		For Tinted Glass, Add	*16.21*	
		For Low-E Insulated Glass, Add	*33.76*	
		For Obscure Glass, Add	*37.14*	
08 53 13 00-0422	EA	64" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	256.93	59.53
		For Colored Vinyl, Add	*13.87*	
		For Tinted Glass, Add	*16.64*	
		For Low-E Insulated Glass, Add	*34.66*	
		For Obscure Glass, Add	*38.13*	
08 53 13 00-0423	EA	72" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	270.39	62.27
		For Colored Vinyl, Add	*14.58*	
		For Tinted Glass, Add	*17.50*	
		For Low-E Insulated Glass, Add	*36.46*	
		For Obscure Glass, Add	*40.10*	

08 53 13 00-0424 48" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0425	EA	36" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	213.77	49.36
		For Colored Vinyl, Add	*11.59*	
		For Tinted Glass, Add	*13.90*	
		For Low-E Insulated Glass, Add	*28.96*	
		For Obscure Glass, Add	*31.86*	
08 53 13 00-0426	EA	48" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	234.14	54.05
		For Colored Vinyl, Add	*12.68*	
		For Tinted Glass, Add	*15.22*	
		For Low-E Insulated Glass, Add	*31.71*	
		For Obscure Glass, Add	*34.88*	
08 53 13 00-0427	EA	54" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	244.33	56.01
		For Colored Vinyl, Add	*13.23*	
		For Tinted Glass, Add	*15.88*	
		For Low-E Insulated Glass, Add	*33.08*	
		For Obscure Glass, Add	*36.39*	
08 53 13 00-0428	EA	60" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	254.49	58.36
		For Colored Vinyl, Add	*13.78*	
		For Tinted Glass, Add	*16.53*	
		For Low-E Insulated Glass, Add	*34.45*	
		For Obscure Glass, Add	*37.89*	
08 53 13 00-0429	EA	64" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	261.29	60.32
		For Colored Vinyl, Add	*14.14*	
		For Tinted Glass, Add	*16.97*	
		For Low-E Insulated Glass, Add	*35.36*	
		For Obscure Glass, Add	*38.90*	
08 53 13 00-0430	EA	72" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	274.88	63.06
		For Colored Vinyl, Add	*14.88*	
		For Tinted Glass, Add	*17.85*	
		For Low-E Insulated Glass, Add	*37.19*	
		For Obscure Glass, Add	*40.91*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0431		50" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*		
08 53 13 00-0432	EA	36" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	217.66	50.13
		For Colored Vinyl, Add	*11.82*	
		For Tinted Glass, Add	*14.18*	
		For Low-E Insulated Glass, Add	*29.54*	
		For Obscure Glass, Add	*32.50*	
08 53 13 00-0433	EA	48" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	238.22	54.83
		For Colored Vinyl, Add	*12.93*	
		For Tinted Glass, Add	*15.52*	
		For Low-E Insulated Glass, Add	*32.34*	
		For Obscure Glass, Add	*35.57*	
08 53 13 00-0434	EA	54" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	248.50	56.80
		For Colored Vinyl, Add	*13.49*	
		For Tinted Glass, Add	*16.19*	
		For Low-E Insulated Glass, Add	*33.73*	
		For Obscure Glass, Add	*37.10*	
08 53 13 00-0435	EA	60" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	258.78	59.14
		For Colored Vinyl, Add	*14.05*	
		For Tinted Glass, Add	*16.86*	
		For Low-E Insulated Glass, Add	*35.13*	
		For Obscure Glass, Add	*38.64*	
08 53 13 00-0436	EA	64" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	265.65	61.11
		For Colored Vinyl, Add	*14.42*	
		For Tinted Glass, Add	*17.31*	
		For Low-E Insulated Glass, Add	*36.06*	
		For Obscure Glass, Add	*39.66*	
08 53 13 00-0437	EA	72" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	279.36	63.84
		For Colored Vinyl, Add	*15.17*	
		For Tinted Glass, Add	*18.20*	
		For Low-E Insulated Glass, Add	*37.92*	
		For Obscure Glass, Add	*41.71*	
08 53 13 00-0438		52" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*		
08 53 13 00-0439	EA	36" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	221.54	50.92
		For Colored Vinyl, Add	*12.05*	
		For Tinted Glass, Add	*14.46*	
		For Low-E Insulated Glass, Add	*30.12*	
		For Obscure Glass, Add	*33.13*	
08 53 13 00-0440	EA	48" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	242.31	55.62
		For Colored Vinyl, Add	*13.19*	
		For Tinted Glass, Add	*15.82*	
		For Low-E Insulated Glass, Add	*32.97*	
		For Obscure Glass, Add	*36.26*	
08 53 13 00-0441	EA	54" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	252.69	57.57
		For Colored Vinyl, Add	*13.75*	
		For Tinted Glass, Add	*16.50*	
		For Low-E Insulated Glass, Add	*34.39*	
		For Obscure Glass, Add	*37.82*	
08 53 13 00-0442	EA	60" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	263.08	59.93
		For Colored Vinyl, Add	*14.32*	
		For Tinted Glass, Add	*17.19*	
		For Low-E Insulated Glass, Add	*35.81*	
		For Obscure Glass, Add	*39.39*	
08 53 13 00-0443	EA	64" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	270.01	61.88
		For Colored Vinyl, Add	*14.70*	
		For Tinted Glass, Add	*17.64*	
		For Low-E Insulated Glass, Add	*36.76*	
		For Obscure Glass, Add	*40.43*	
08 53 13 00-0444	EA	72" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	283.85	64.63
		For Colored Vinyl, Add	*15.46*	
		For Tinted Glass, Add	*18.55*	
		For Low-E Insulated Glass, Add	*38.65*	
		For Obscure Glass, Add	*42.52*	
08 53 13 00-0445		54" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*		
08 53 13 00-0446	EA	36" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	225.43	51.70
		For Colored Vinyl, Add	*12.28*	
		For Tinted Glass, Add	*14.74*	
		For Low-E Insulated Glass, Add	*30.70*	
		For Obscure Glass, Add	*33.77*	
08 53 13 00-0447	EA	48" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	246.40	56.40
		For Colored Vinyl, Add	*13.44*	
		For Tinted Glass, Add	*16.13*	
		For Low-E Insulated Glass, Add	*33.60*	
		For Obscure Glass, Add	*36.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0448	EA	54" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	256.88	58.36
		For Colored Vinyl, Add	*14.02*	
		For Tinted Glass, Add	*16.82*	
		For Low-E Insulated Glass, Add	*35.04*	
		For Obscure Glass, Add	*38.55*	
08 53 13 00-0449	EA	60" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	267.37	60.71
		For Colored Vinyl, Add	*14.60*	
		For Tinted Glass, Add	*17.51*	
		For Low-E Insulated Glass, Add	*36.49*	
		For Obscure Glass, Add	*40.14*	
08 53 13 00-0450	EA	64" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	274.37	62.67
		For Colored Vinyl, Add	*14.98*	
		For Tinted Glass, Add	*17.98*	
		For Low-E Insulated Glass, Add	*37.45*	
		For Obscure Glass, Add	*41.20*	
08 53 13 00-0451	EA	72" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	288.34	65.40
		For Colored Vinyl, Add	*15.75*	
		For Tinted Glass, Add	*18.90*	
		For Low-E Insulated Glass, Add	*39.38*	
		For Obscure Glass, Add	*43.32*	

08 53 13 00-0452 60" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0453	EA	36" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	243.22	54.05
		For Colored Vinyl, Add	*13.59*	
		For Tinted Glass, Add	*16.31*	
		For Low-E Insulated Glass, Add	*33.98*	
		For Obscure Glass, Add	*37.37*	
08 53 13 00-0454	EA	48" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	258.66	58.75
		For Colored Vinyl, Add	*14.20*	
		For Tinted Glass, Add	*17.03*	
		For Low-E Insulated Glass, Add	*35.49*	
		For Obscure Glass, Add	*39.04*	
08 53 13 00-0455	EA	54" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	269.46	60.71
		For Colored Vinyl, Add	*14.80*	
		For Tinted Glass, Add	*17.76*	
		For Low-E Insulated Glass, Add	*37.01*	
		For Obscure Glass, Add	*40.71*	
08 53 13 00-0456	EA	60" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	280.24	63.06
		For Colored Vinyl, Add	*15.41*	
		For Tinted Glass, Add	*18.49*	
		For Low-E Insulated Glass, Add	*38.53*	
		For Obscure Glass, Add	*42.38*	
08 53 13 00-0457	EA	64" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	287.43	65.02
		For Colored Vinyl, Add	*15.82*	
		For Tinted Glass, Add	*18.98*	
		For Low-E Insulated Glass, Add	*39.55*	
		For Obscure Glass, Add	*43.50*	
08 53 13 00-0458	EA	72" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	301.81	67.76
		For Colored Vinyl, Add	*16.63*	
		For Tinted Glass, Add	*19.95*	
		For Low-E Insulated Glass, Add	*41.57*	
		For Obscure Glass, Add	*45.73*	

08 53 13 00-0459 Replacement, Horizontal Sliding Vinyl Windows (Silver Line 8700) *(08 53 13 00-0380)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 53 13 00-0460	EA	Up To 73" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	238.57	41.13
		For Colored Vinyl, Add	*15.63*	
		For Tinted Glass, Add	*18.76*	
		For Low-E Insulated Glass, Add	*39.08*	
		For Obscure Glass, Add	*42.99*	
08 53 13 00-0461	EA	>73" To 83" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	262.08	45.05
		For Colored Vinyl, Add	*17.20*	
		For Tinted Glass, Add	*20.64*	
		For Low-E Insulated Glass, Add	*43.00*	
		For Obscure Glass, Add	*47.30*	
08 53 13 00-0462	EA	>83" To 93" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	284.21	48.96
		For Colored Vinyl, Add	*18.63*	
		For Tinted Glass, Add	*22.35*	
		For Low-E Insulated Glass, Add	*46.57*	
		For Obscure Glass, Add	*51.23*	
08 53 13 00-0463	EA	>93" To 101" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	301.09	52.88
		For Colored Vinyl, Add	*19.53*	
		For Tinted Glass, Add	*23.44*	
		For Low-E Insulated Glass, Add	*48.84*	
		For Obscure Glass, Add	*53.72*	
08 53 13 00-0464	EA	>101" To 110" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	318.73	56.80
		For Colored Vinyl, Add	*20.52*	
		For Tinted Glass, Add	*24.62*	
		For Low-E Insulated Glass, Add	*51.29*	
		For Obscure Glass, Add	*56.42*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0465	EA	>110" To 120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	345.22	60.71
		For Colored Vinyl, Add	*22.38*	
		For Tinted Glass, Add	*26.86*	
		For Low-E Insulated Glass, Add	*55.95*	
		For Obscure Glass, Add	*61.55*	
08 53 13 00-0466	UI	>120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	2.88	0.51
		For Colored Vinyl, Add	*0.19*	
		For Tinted Glass, Add	*0.22*	
		For Low-E Insulated Glass, Add	*0.47*	
		For Obscure Glass, Add	*0.51*	

08 53 13 00-0467 Basement Vinyl Windows *(08 53 13)*

08 53 13 00-0468 New Construction, Basement Vinyl Windows (Silver Line 5900) *(08 53 13 00-0467)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 53 13 00-0469	EA	32" x 15", New Construction, Basement Vinyl Window (Silver Line 5900)	145.56	31.33
		For Colored Vinyl, Add	*8.29*	
		For Tinted Glass, Add	*9.95*	
		For Low-E Insulated Glass, Add	*20.72*	
		For Obscure Glass, Add	*22.79*	
08 53 13 00-0470	EA	32" x 20", New Construction, Basement Vinyl Window (Silver Line 5900)	155.23	31.33
		For Colored Vinyl, Add	*9.26*	
		For Tinted Glass, Add	*11.11*	
		For Low-E Insulated Glass, Add	*23.14*	
		For Obscure Glass, Add	*25.45*	
08 53 13 00-0471	EA	32" x 23", New Construction, Basement Vinyl Window (Silver Line 5900)	160.76	31.33
		For Colored Vinyl, Add	*9.81*	
		For Tinted Glass, Add	*11.77*	
		For Low-E Insulated Glass, Add	*24.52*	
		For Obscure Glass, Add	*26.97*	

08 53 13 00-0472 Replacement, Basement Vinyl Windows *(08 53 13 00-0467)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 53 13 00-0473	EA	Up To 47" UI, Replacement, Basement Vinyl Window	178.54	30.55
		For Colored Vinyl, Add	*11.74*	
		For Tinted Glass, Add	*14.09*	
		For Low-E Insulated Glass, Add	*29.36*	
		For Obscure Glass, Add	*32.29*	
08 53 13 00-0474	EA	>47" To 55" UI, Replacement, Basement Vinyl Window	199.67	35.25
		For Colored Vinyl, Add	*12.92*	
		For Tinted Glass, Add	*15.50*	
		For Low-E Insulated Glass, Add	*32.29*	
		For Obscure Glass, Add	*35.52*	
08 53 13 00-0475	UI	>55" UI, Replacement, Basement Vinyl Window	3.37	0.51
		For Colored Vinyl, Add	*0.24*	
		For Tinted Glass, Add	*0.28*	
		For Low-E Insulated Glass, Add	*0.59*	
		For Obscure Glass, Add	*0.65*	

08 53 13 00-0476 Accessories For Vinyl Windows *(08 53 13)*

08 53 13 00-0477 Factory Installed Grilles For Vinyl Windows *(08 53 13 00-0476)*

08 53 13 00-0478 Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows *(08 53 13 00-0477)*

08 53 13 00-0479	EA	Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	19.34
08 53 13 00-0480	EA	>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	24.87
08 53 13 00-0481	EA	>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	32.03
08 53 13 00-0482	EA	>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	37.80
08 53 13 00-0483	EA	>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	46.47

08 53 13 00-0484 Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows *(08 53 13 00-0477)*

08 53 13 00-0485	EA	Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	43.96
08 53 13 00-0486	EA	>9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	52.75
08 53 13 00-0487	EA	>18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	66.56
08 53 13 00-0488	EA	>24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	82.89
08 53 13 00-0489	EA	>36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	99.22

08 53 66 Vinyl Window Screens *(08 53)*

08 53 66 00-0001 Insect Screens For Vinyl Windows *(08 53 66)*

08 53 66 00-0002	EA	Up To 6 SF, Insect Screen For Vinyl Windows	26.22	6.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 66 00-0003	EA	>6 To 9 SF, Insect Screen For Vinyl Windows	33.75	6.83
08 53 66 00-0004	EA	>9 To 12 SF, Insect Screen For Vinyl Windows	36.27	6.83
08 53 66 00-0005	EA	>12 To 15 SF, Insect Screen For Vinyl Windows	41.29	6.83
08 53 66 00-0006	EA	>15 To 20 SF, Insect Screen For Vinyl Windows	52.59	6.83
08 53 66 00-0007	EA	>20 To 25 SF, Insect Screen For Vinyl Windows	57.62	6.83
08 53 66 00-0008	EA	>25 To 30 SF, Insect Screen For Vinyl Windows	65.15	6.83
08 53 66 00-0009	EA	>30 To 35 SF, Insect Screen For Vinyl Windows	70.18	6.83
08 53 66 00-0010	SF	>35 SF, Insect Screen For Vinyl Windows	2.10	0.14

08 56 Special Function Windows *(08 50)*

08 56 19 Pass Windows *(08 56)*

08 56 19 00-0001 Bullet Resistant Pass Through Service Window, Steel Frame *(08 56 19)*

08 56 19 00-0002	EA	24" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	2,435.42	511.09
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	*45.00*	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	*295.00*	
08 56 19 00-0003	EA	30" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	2,653.44	553.69
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	*60.00*	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	*370.00*	
08 56 19 00-0004	EA	36" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	2,803.05	596.28
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	*70.00*	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	*445.00*	
08 56 19 00-0005	EA	48" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	3,475.66	681.46
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	*100.00*	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	*650.00*	
08 56 19 00-0006	EA	72" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	4,785.16	1,022.19
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	*150.00*	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	*975.00*	

08 56 49 Radiation Shielding Windows *(08 56)*

08 56 49 00-0001 Lead Lined Window Frames *(08 56 49)*

08 56 49 00-0002	LF	1/16" Lead Lined, 16 Gauge Telescoping Window Frame	27.99	5.88
08 56 49 00-0003	LF	1/8" Lead Lined, 16 Gauge Telescoping Window Frame	31.34	5.88

08 56 56 Security Window Screens *(08 56)*

Note: All security window screens include frame and mounting hardware. Operable security screens include hinges and related hardware.

08 56 56 00-0001 Wire Mesh Security Screen *(08 56 56)*

08 56 56 00-0002 Wire Mesh, Inoperable, Security Window Screen *(08 56 56 00-0001)*

08 56 56 00-0003	SF	13 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	13.83	3.83
		For Painted Steel, Add	*0.87*	
		For Galvanized Steel, Add	*1.74*	
		For Aluminum, Add	*3.49*	
		For Stainless Steel, Add	*15.26*	
08 56 56 00-0004	SF	11 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	14.08	3.83
		For Painted Steel, Add	*0.90*	
		For Galvanized Steel, Add	*1.79*	
		For Aluminum, Add	*3.59*	
		For Stainless Steel, Add	*15.70*	
08 56 56 00-0005	SF	9 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	15.23	3.83
		For Painted Steel, Add	*1.01*	
		For Galvanized Steel, Add	*2.02*	
		For Aluminum, Add	*4.05*	
		For Stainless Steel, Add	*17.71*	
08 56 56 00-0006	SF	6 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	17.69	3.83
		For Painted Steel, Add	*1.26*	
		For Galvanized Steel, Add	*2.52*	
		For Aluminum, Add	*5.03*	
		For Stainless Steel, Add	*22.02*	

08 56 56 00-0007 Wire Mesh, Operable, Security Window Screen *(08 56 56 00-0001)*

08 56 56 00-0008	SF	13 Gauge, Wire Mesh, Operable, Steel Security Window Screen	19.23	4.68
		For Painted Steel, Add	*1.24*	
		For Galvanized Steel, Add	*2.48*	
		For Aluminum, Add	*4.97*	
		For Stainless Steel, Add	*21.74*	
08 56 56 00-0009	SF	11 Gauge, Wire Mesh, Operable, Steel Security Window Screen	19.61	4.68
		For Painted Steel, Add	*1.28*	
		For Galvanized Steel, Add	*2.56*	
		For Aluminum, Add	*5.12*	
		For Stainless Steel, Add	*22.40*	
08 56 56 00-0010	SF	9 Gauge, Wire Mesh, Operable, Steel Security Window Screen	21.26	4.68
		For Painted Steel, Add	*1.45*	
		For Galvanized Steel, Add	*2.89*	
		For Aluminum, Add	*5.78*	
		For Stainless Steel, Add	*25.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 56 00-0011	SF	6 Gauge, Wire Mesh, Operable, Steel Security Window Screen	24.71	4.68
		For Painted Steel, Add	*1.79*	
		For Galvanized Steel, Add	*3.58*	
		For Aluminum, Add	*7.16*	
		For Stainless Steel, Add	*31.33*	

08 56 56 00-0012 Wire Cloth Security Screen *(08 56 56)*

Note: Wire cloth has from 10 to 12 strands per 1".

08 56 56 00-0013 Wire Cloth, Inoperable, Security Window Screens *(08 56 56 00-0012)*

08 56 56 00-0014	SF	24 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	9.46	2.56
		For Painted Steel, Add	*0.26*	
		For Galvanized Steel, Add	*0.78*	
		For Aluminum, Add	*1.56*	
		For Stainless Steel, Add	*6.50*	
08 56 56 00-0015	SF	22 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	9.81	2.56
		For Painted Steel, Add	*0.28*	
		For Galvanized Steel, Add	*0.83*	
		For Aluminum, Add	*1.67*	
		For Stainless Steel, Add	*6.94*	
08 56 56 00-0016	SF	20 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	10.36	2.56
		For Painted Steel, Add	*0.31*	
		For Galvanized Steel, Add	*0.92*	
		For Aluminum, Add	*1.83*	
		For Stainless Steel, Add	*7.63*	
08 56 56 00-0017	SF	18 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	11.41	2.56
		For Painted Steel, Add	*0.36*	
		For Galvanized Steel, Add	*1.07*	
		For Aluminum, Add	*2.15*	
		For Stainless Steel, Add	*8.94*	

08 56 56 00-0018 Wire Cloth, Operable, Security Window Screens *(08 56 56 00-0012)*

08 56 56 00-0019	SF	24 Gauge, Wire Cloth, Operable, Steel Security Window Screen	12.52	3.40
		For Painted Steel, Add	*0.37*	
		For Galvanized Steel, Add	*1.11*	
		For Aluminum, Add	*2.22*	
		For Stainless Steel, Add	*9.26*	
08 56 56 00-0020	SF	22 Gauge, Wire Cloth, Operable, Steel Security Window Screen	13.06	3.40
		For Painted Steel, Add	*0.40*	
		For Galvanized Steel, Add	*1.19*	
		For Aluminum, Add	*2.39*	
		For Stainless Steel, Add	*9.94*	
08 56 56 00-0021	SF	20 Gauge, Wire Cloth, Operable, Steel Security Window Screen	13.81	3.40
		For Painted Steel, Add	*0.44*	
		For Galvanized Steel, Add	*1.31*	
		For Aluminum, Add	*2.61*	
		For Stainless Steel, Add	*10.88*	
08 56 56 00-0022	SF	18 Gauge, Wire Cloth, Operable, Steel Security Window Screen	15.31	3.40
		For Painted Steel, Add	*0.51*	
		For Galvanized Steel, Add	*1.53*	
		For Aluminum, Add	*3.06*	
		For Stainless Steel, Add	*12.75*	

08 56 56 00-0023 Expanded Metal Security Screen *(08 56 56)*

Note: Flattened or standard pattern. Dimension given is the short distance across the opening (SWO). The # designation is the pattern number of the expanded metal and is not the gauge.

08 56 56 00-0024 Expanded Metal, Inoperable, Security Screen *(08 56 56 00-0023)*

08 56 56 00-0025	SF	1/4" #18, Thickness 0.04" Expanded Metal, Inoperable, Steel Security Window Screen	17.82	6.39
		For Painted Steel, Add	*0.51*	
		For Galvanized Steel, Add	*1.52*	
		For Aluminum, Add	*3.05*	
		For Stainless Steel, Add	*12.69*	
08 56 56 00-0026	SF	1/2" #13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen	20.97	7.67
		For Painted Steel, Add	*0.58*	
		For Galvanized Steel, Add	*1.74*	
		For Aluminum, Add	*3.48*	
		For Stainless Steel, Add	*14.50*	
08 56 56 00-0027	SF	3/4" #13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen	23.72	9.37
		For Painted Steel, Add	*0.63*	
		For Galvanized Steel, Add	*1.90*	
		For Aluminum, Add	*3.80*	
		For Stainless Steel, Add	*15.81*	
08 56 56 00-0028	SF	3/4" #9, Thickness 0.12" Expanded Metal, Inoperable, Steel Security Window Screen	28.08	11.07
		For Painted Steel, Add	*0.72*	
		For Galvanized Steel, Add	*2.17*	
		For Aluminum, Add	*4.34*	
		For Stainless Steel, Add	*18.06*	
08 56 56 00-0029	SF	1-1/2" #9, Thickness 0.11" Expanded Metal, Inoperable, Steel Security Window Screen	26.17	10.65
		For Painted Steel, Add	*0.67*	
		For Galvanized Steel, Add	*2.01*	
		For Aluminum, Add	*4.02*	
		For Stainless Steel, Add	*16.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 56 00-0030	SF	3 LB/SF Expanded Metal, Inoperable, Steel Security Window Screen	33.04	13.63
		For Painted Steel, Add	*0.84*	
		For Galvanized Steel, Add	*2.53*	
		For Aluminum, Add	*5.06*	
		For Stainless Steel, Add	*21.06*	
08 56 56 00-0031		Expanded Metal, Operable, Security Screen *(08 56 56 00-0023)*		
08 56 56 00-0032	SF	1/4" #18, Thickness 0.04" Expanded Metal, Operable, Steel Security Window Screen	23.82	7.67
		For Painted Steel, Add	*0.72*	
		For Galvanized Steel, Add	*2.17*	
		For Aluminum, Add	*4.34*	
		For Stainless Steel, Add	*18.06*	
08 56 56 00-0033	SF	1/2" #13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen	27.62	9.37
		For Painted Steel, Add	*0.83*	
		For Galvanized Steel, Add	*2.48*	
		For Aluminum, Add	*4.97*	
		For Stainless Steel, Add	*20.69*	
08 56 56 00-0034	SF	3/4" #13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen	30.82	10.65
		For Painted Steel, Add	*0.90*	
		For Galvanized Steel, Add	*2.71*	
		For Aluminum, Add	*5.42*	
		For Stainless Steel, Add	*22.56*	
08 56 56 00-0035	SF	1-1/2" #9, Thickness 0.11" Expanded Metal, Operable, Steel Security Window Screen	33.58	11.93
		For Painted Steel, Add	*0.96*	
		For Galvanized Steel, Add	*2.87*	
		For Aluminum, Add	*5.73*	
		For Stainless Steel, Add	*23.88*	
08 56 56 00-0036	SF	3/4" #9, Thickness 0.12" Expanded Metal, Operable, Steel Security Window Screen	36.78	13.63
		For Painted Steel, Add	*1.03*	
		For Galvanized Steel, Add	*3.09*	
		For Aluminum, Add	*6.18*	
		For Stainless Steel, Add	*25.74*	
08 56 56 00-0037	SF	3 LB/SF Expanded Metal, Operable, Steel Security Window Screen	41.89	14.91
		For Painted Steel, Add	*1.20*	
		For Galvanized Steel, Add	*3.60*	
		For Aluminum, Add	*7.20*	
		For Stainless Steel, Add	*30.00*	
08 56 56 00-0038		Perforated Metal Security Screen *(08 56 56)*		
08 56 56 00-0039		Perforated Metal, Inoperable, Steel Security Window Screen *(08 56 56 00-0038)*		
08 56 56 00-0040	SF	22 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	15.21	3.83
		For Painted Steel, Add	*0.51*	
		For Galvanized Steel, Add	*1.52*	
		For Aluminum, Add	*3.03*	
		For Stainless Steel, Add	*10.10*	
08 56 56 00-0041	SF	20 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	15.61	3.83
		For Painted Steel, Add	*0.53*	
		For Galvanized Steel, Add	*1.58*	
		For Aluminum, Add	*3.15*	
		For Stainless Steel, Add	*10.50*	
08 56 56 00-0042	SF	18 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	16.96	3.83
		For Painted Steel, Add	*0.59*	
		For Galvanized Steel, Add	*1.78*	
		For Aluminum, Add	*3.56*	
		For Stainless Steel, Add	*11.85*	
08 56 56 00-0043	SF	16 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	19.51	3.83
		For Painted Steel, Add	*0.72*	
		For Galvanized Steel, Add	*2.16*	
		For Aluminum, Add	*4.32*	
		For Stainless Steel, Add	*14.40*	
08 56 56 00-0044		Perforated Metal, Operable, Steel Security Window Screen *(08 56 56 00-0038)*		
08 56 56 00-0045	SF	22 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	21.16	4.68
		For Painted Steel, Add	*0.72*	
		For Galvanized Steel, Add	*2.15*	
		For Aluminum, Add	*4.31*	
		For Stainless Steel, Add	*14.35*	
08 56 56 00-0046	SF	20 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	21.86	4.68
		For Painted Steel, Add	*0.75*	
		For Galvanized Steel, Add	*2.26*	
		For Aluminum, Add	*4.52*	
		For Stainless Steel, Add	*15.05*	
08 56 56 00-0047	SF	18 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	23.61	4.68
		For Painted Steel, Add	*0.84*	
		For Galvanized Steel, Add	*2.52*	
		For Aluminum, Add	*5.04*	
		For Stainless Steel, Add	*16.80*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 56 00-0048	SF	16 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	27.26	4.68
		For Painted Steel, Add	*1.02*	
		For Galvanized Steel, Add	*3.07*	
		For Aluminum, Add	*6.14*	
		For Stainless Steel, Add	*20.45*	

08 56 56 00-0049 Remove And Reinstall Security Screens And Guards *(08 56 56)*

08 56 56 00-0050	SF	Remove And Reinstall Security Screens	10.71	

08 60 Roof Windows And Skylights *(08)*

Note: Includes hardware, caulk, sealant and necessary anchors.

08 63 Metal-Framed Skylights *(08 60)*

08 63 00 00-0001 Aluminum Framed Skylights *(08 63)*

08 63 00 00-0002 Fixed Dome, Aluminum Framed Skylights *(08 63 00 00-0001)*

08 63 00 00-0003 Industrial Style Fixed Dome, Aluminum Framed Skylights *(08 63 00 00-0002)*

08 63 00 00-0004 Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights *(08 63 00 00-0003)*

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.

08 63 00 00-0005	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	285.07	81.04
08 63 00 00-0006	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	320.07	81.04
08 63 00 00-0007	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	423.33	91.16
08 63 00 00-0008	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	477.58	101.29
08 63 00 00-0009	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	338.07	81.04
08 63 00 00-0010	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	410.33	91.16
08 63 00 00-0011	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	432.33	91.16
08 63 00 00-0012	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	495.58	101.29
08 63 00 00-0013	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	573.84	111.42
08 63 00 00-0014	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	414.33	91.16
08 63 00 00-0015	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	458.58	101.29
08 63 00 00-0016	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	500.58	101.29
08 63 00 00-0017	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	550.84	111.42
08 63 00 00-0018	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	609.10	121.55
08 63 00 00-0019	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	682.36	131.68
08 63 00 00-0020	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	488.58	101.29
08 63 00 00-0021	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	537.84	111.42
08 63 00 00-0022	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	610.10	121.55
08 63 00 00-0023	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	636.10	121.55
08 63 00 00-0024	EA	63-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	729.36	131.68

08 63 00 00-0025 Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights *(08 63 00 00-0003)*

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.

08 63 00 00-0026	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	335.07	81.04
08 63 00 00-0027	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	369.07	81.04
08 63 00 00-0028	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	462.33	91.16
08 63 00 00-0029	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	517.58	101.29
08 63 00 00-0030	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	374.07	81.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 00 00-0031	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	438.33	91.16
08 63 00 00-0032	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	462.33	91.16
08 63 00 00-0033	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	529.58	101.29
08 63 00 00-0034	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	593.84	111.42
08 63 00 00-0035	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	442.33	91.16
08 63 00 00-0036	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	490.58	101.29
08 63 00 00-0037	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	517.58	101.29
08 63 00 00-0038	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	569.84	111.42
08 63 00 00-0039	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	619.10	121.55
08 63 00 00-0040	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	693.36	131.68
08 63 00 00-0041	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	521.58	101.29
08 63 00 00-0042	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	573.84	111.42
08 63 00 00-0043	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	631.10	121.55
08 63 00 00-0044	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	659.10	121.55
08 63 00 00-0045	EA	63-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	744.36	131.68

08 63 00 00-0046 High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights *(08 63 00 00-0003)*

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.

08 63 00 00-0047	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	339.07	81.04
08 63 00 00-0048	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	377.07	81.04
08 63 00 00-0049	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	473.33	91.16
08 63 00 00-0050	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	384.07	81.04
08 63 00 00-0051	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	452.33	91.16
08 63 00 00-0052	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	473.33	91.16
08 63 00 00-0053	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	541.58	101.29
08 63 00 00-0054	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	451.33	91.16
08 63 00 00-0055	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	498.58	101.29
08 63 00 00-0056	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	530.58	101.29
08 63 00 00-0057	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	582.84	111.42
08 63 00 00-0058	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	635.10	121.55
08 63 00 00-0059	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	533.58	101.29
08 63 00 00-0060	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	589.84	111.42
08 63 00 00-0061	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	647.10	121.55
08 63 00 00-0062	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	675.10	121.55

08 63 00 00-0063 FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights *(08 63 00 00-0003)*

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.

08 63 00 00-0064	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	346.07	81.04
08 63 00 00-0065	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	388.07	81.04
08 63 00 00-0066	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	483.33	91.16
08 63 00 00-0067	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	553.58	101.29

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 00 00-0068	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	394.07	81.04
08 63 00 00-0069	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	461.33	91.16
08 63 00 00-0070	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	483.33	91.16
08 63 00 00-0071	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	556.58	101.29
08 63 00 00-0072	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	462.33	91.16
08 63 00 00-0073	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	509.58	101.29
08 63 00 00-0074	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	544.58	101.29
08 63 00 00-0075	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	597.84	111.42
08 63 00 00-0076	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	651.10	121.55
08 63 00 00-0077	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	548.58	101.29
08 63 00 00-0078	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	604.84	111.42
08 63 00 00-0079	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	663.10	121.55
08 63 00 00-0080	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	693.10	121.55

08 63 00 00-0081 Curb Top Inserts *(08 63 00 00-0003)*

Note: For use with industrial style fixed dome skylights for better u-value and solar heat gain coefficient/shading coefficient (SHGC/SC) properties. Includes mill finish aluminum frame and acrylic or polycarbonate glazing. Excludes roof curb.

08 63 00 00-0082 Single Glazed, Aluminum Framed Curb Top Inserts *(08 63 00 00-0081)*

08 63 00 00-0083	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	117.04	40.51
08 63 00 00-0084	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	156.16	45.58
08 63 00 00-0085	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	253.55	60.78
08 63 00 00-0086	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	234.42	55.72
08 63 00 00-0087	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	281.55	60.78

08 63 00 00-0088 Double Glazed, Aluminum Framed Curb Top Inserts *(08 63 00 00-0081)*

08 63 00 00-0089	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	158.04	40.51
08 63 00 00-0090	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	235.16	45.58
08 63 00 00-0091	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	396.55	60.78
08 63 00 00-0092	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	386.42	55.72
08 63 00 00-0093	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	479.55	60.78

08 63 00 00-0094 Triple Glazed, Aluminum Framed Curb Top Inserts *(08 63 00 00-0081)*

08 63 00 00-0095	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	198.04	40.51
08 63 00 00-0096	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	310.16	45.58
08 63 00 00-0097	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	572.55	60.78
08 63 00 00-0098	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	528.42	55.72
08 63 00 00-0099	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	663.55	60.78

08 63 00 00-0100 Pyramid Style Fixed Dome, Aluminum Framed Skylights *(08 63 00 00-0002)*

08 63 00 00-0101 Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight *(08 63 00 00-0100)*

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.

08 63 00 00-0102	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	267.07	81.04
08 63 00 00-0103	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	310.07	81.04
08 63 00 00-0104	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	386.33	91.16
08 63 00 00-0105	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	477.58	101.29

08 63 00 00-0106 Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight *(08 63 00 00-0100)*

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.

08 63 00 00-0107	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	345.07	81.04
08 63 00 00-0108	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	390.07	81.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 00 00-0109	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	459.33	91.16
08 63 00 00-0110	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	544.58	101.29
08 63 00 00-0111		Double Hip Style Fixed Dome, Aluminum Framed Skylights *(08 63 00 00-0002)*		
08 63 00 00-0112		Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight *(08 63 00 00-0111)*		
		Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 00 00-0113	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	304.07	81.04
08 63 00 00-0114	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	393.33	91.16
08 63 00 00-0115	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	461.58	101.29
08 63 00 00-0116	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	372.33	91.16
08 63 00 00-0117	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	393.33	91.16
08 63 00 00-0118	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	473.58	101.29
08 63 00 00-0119	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	552.84	111.42
08 63 00 00-0120	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	431.58	101.29
08 63 00 00-0121	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	461.58	101.29
08 63 00 00-0122	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	514.84	111.42
08 63 00 00-0123	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	565.10	121.55
08 63 00 00-0124	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	660.36	131.68
08 63 00 00-0125	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	526.84	111.42
08 63 00 00-0126	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	595.10	121.55
08 63 00 00-0127	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	626.10	121.55
08 63 00 00-0128	EA	63-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	718.36	131.68
08 63 00 00-0129		Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight *(08 63 00 00-0111)*		
		Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 00 00-0130	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	338.07	81.04
08 63 00 00-0131	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	374.07	81.04
08 63 00 00-0132	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	467.33	91.16
08 63 00 00-0133	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	381.07	81.04
08 63 00 00-0134	EA	39-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	427.33	91.16
08 63 00 00-0135	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	446.33	91.16
08 63 00 00-0136	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	467.33	91.16
08 63 00 00-0137	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	536.58	101.29
08 63 00 00-0138	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	447.33	91.16
08 63 00 00-0139	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	494.58	101.29
08 63 00 00-0140	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	524.58	101.29
08 63 00 00-0141	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	575.84	111.42
08 63 00 00-0142	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	627.10	121.55
08 63 00 00-0143	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	526.58	101.29
08 63 00 00-0144	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	582.84	111.42
08 63 00 00-0145	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	639.10	121.55
08 63 00 00-0146	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	666.10	121.55

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 00 00-0147		Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight *(08 63 00 00-0111)* Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 00 00-0148	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	371.07	81.04
08 63 00 00-0149	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	480.33	91.16
08 63 00 00-0150	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	457.33	91.16
08 63 00 00-0151	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	480.33	91.16
08 63 00 00-0152	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	552.58	101.29
08 63 00 00-0153	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	506.58	101.29
08 63 00 00-0154	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	539.58	101.29
08 63 00 00-0155	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	593.84	111.42
08 63 00 00-0156	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	643.10	121.55
08 63 00 00-0157	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	600.84	111.42
08 63 00 00-0158	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	659.10	121.55
08 63 00 00-0159	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	688.10	121.55
08 63 00 00-0160		Smoke Vent Dome, Aluminum Framed Skylights *(08 63 00 00-0001)*		
08 63 00 00-0161		Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 00 00-0160)* Note: UL listed or FM approved. Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, curb seal tape, weather sweep, fasteners, fusible link with a minimum temperature rating of 165 degrees, gas shocks and exterior manual release cable for testing.		
08 63 00 00-0162		Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 00 00-0161)*		
08 63 00 00-0163		10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 00 00-0162)*		
08 63 00 00-0164	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,411.10	121.55
08 63 00 00-0165	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,320.10	121.55
08 63 00 00-0166	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,478.10	121.55
08 63 00 00-0167		25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 00 00-0162)*		
08 63 00 00-0168	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,810.10	121.55
08 63 00 00-0169	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,723.10	121.55
08 63 00 00-0170	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,901.10	121.55
08 63 00 00-0171		30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 00 00-0162)*		
08 63 00 00-0172	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,925.10	121.55
08 63 00 00-0173	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,836.10	121.55
08 63 00 00-0174	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	2,014.10	121.55
08 63 00 00-0175		Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 00 00-0161)*		
08 63 00 00-0176		10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 00 00-0175)*		
08 63 00 00-0177	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,417.10	121.55
08 63 00 00-0178	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,326.10	121.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 00 00-0179	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,487.10	121.55
08 63 00 00-0180		25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 00 00-0175)*		
08 63 00 00-0181	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,818.10	121.55
08 63 00 00-0182	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,729.10	121.55
08 63 00 00-0183	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,911.10	121.55
08 63 00 00-0184		30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 00 00-0175)*		
08 63 00 00-0185	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,931.10	121.55
08 63 00 00-0186	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,842.10	121.55
08 63 00 00-0187	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	2,024.10	121.55
08 63 00 00-0188		Aluminum Framed Solar Tube Skylights *(08 63 00 00-0001)* Note: Includes knock down curb with safety security guard, class 1 hail rated double glazed skylight, light shaft top trim, reflective light well, T-bar ceiling frame, acrylic diffuser lens and lens clip.		
08 63 00 00-0189		31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights *(08 63 00 00-0188)*		
08 63 00 00-0190	EA	2' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	755.13	162.07
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*492.41*	
08 63 00 00-0191	EA	3' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	793.24	166.12
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*493.22*	
08 63 00 00-0192	EA	4' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	830.34	170.17
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*494.03*	
08 63 00 00-0193	EA	5' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	881.44	174.23
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*494.84*	
08 63 00 00-0194	EA	6' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	926.55	178.28
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*495.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 00 00-0195	EA	7' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	963.66	182.33
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*496.47*	
08 63 00 00-0196	EA	8' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,000.76	186.38
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*497.28*	
08 63 00 00-0197	EA	9' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,059.86	190.43
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*498.09*	
08 63 00 00-0198	EA	10' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,096.96	194.48
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*498.90*	
08 63 00 00-0199	EA	11' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,135.07	198.53
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*499.71*	
08 63 00 00-0200	EA	12' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,172.17	202.58
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*500.52*	
08 63 00 00-0201	EA	13' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,231.27	206.64
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*501.33*	
08 63 00 00-0202	EA	14' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,268.37	210.69
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*502.14*	
08 63 00 00-0203	EA	15' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,305.48	214.74
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*502.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 00 00-0204	EA	16' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,342.58	218.79
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*503.76*	

08 63 00 00-0205 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights *(08 63 00 00-0188)*

08 63 00 00-0206	EA	2' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	890.13	162.07
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*492.41*	
08 63 00 00-0207	EA	3' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	941.24	166.12
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*493.22*	
08 63 00 00-0208	EA	4' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	992.34	170.17
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*494.03*	
08 63 00 00-0209	EA	5' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,043.44	174.23
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*494.84*	
08 63 00 00-0210	EA	6' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,124.55	178.28
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*495.66*	
08 63 00 00-0211	EA	7' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,175.66	182.33
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*496.47*	
08 63 00 00-0212	EA	8' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,226.76	186.38
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*497.28*	
08 63 00 00-0213	EA	9' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,307.86	190.43
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*498.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 00 00-0214	EA	10' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,358.96	194.48
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*498.90*	
08 63 00 00-0215	EA	11' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,410.07	198.53
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*499.71*	
08 63 00 00-0216	EA	12' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,461.17	202.58
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*500.52*	
08 63 00 00-0217	EA	13' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,542.27	206.64
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*501.33*	
08 63 00 00-0218	EA	14' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,593.37	210.69
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*502.14*	
08 63 00 00-0219	EA	15' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,644.48	214.74
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*502.95*	
08 63 00 00-0220	EA	16' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,695.58	218.79
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*503.76*	

08 63 00 00-0221 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights *(08 63 00 00-0188)*

08 63 00 00-0222	EA	2' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,163.66	182.33
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*496.47*	
08 63 00 00-0223	EA	3' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,233.76	186.38
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*497.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 00 00-0224	EA	4' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,304.86	190.43
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*498.09*	
08 63 00 00-0225	EA	5' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,374.96	194.48
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*498.90*	
08 63 00 00-0226	EA	6' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,485.07	198.53
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*499.71*	
08 63 00 00-0227	EA	7' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,555.17	202.58
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*500.52*	
08 63 00 00-0228	EA	8' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,625.27	206.64
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*501.33*	
08 63 00 00-0229	EA	9' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,736.37	210.69
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*502.14*	
08 63 00 00-0230	EA	10' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,806.48	214.74
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*502.95*	
08 63 00 00-0231	EA	11' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,876.58	218.79
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*503.76*	
08 63 00 00-0232	EA	12' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,946.68	222.84
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*504.57*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 00 00-0233	EA	13' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,056.79	226.89
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*505.38*	
08 63 00 00-0234	EA	14' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,126.90	230.94
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*506.19*	
08 63 00 00-0235	EA	15' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,198.00	234.99
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*507.00*	
08 63 00 00-0236	EA	16' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,268.10	239.05
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*507.81*	

08 65 Wood-Framed Skylights *(08 60)*

08 65 00 00-0001 Wood-Framed Skylights (Andersen 400 Series) *(08 65)*

08 65 00 00-0002	EA	16-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)	361.83	97.92
		For Tempered Laminated Low-E Insulated Glass, Add	*41.50*	
		For Aluminum Shingle Flashing, Add	*33.20*	
08 65 00 00-0003	EA	16-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	368.60	97.92
		For Tempered Laminated Low-E Insulated Glass, Add	*43.19*	
		For Aluminum Shingle Flashing, Add	*34.55*	
08 65 00 00-0004	EA	24-1/2" x 27", Domed, Wood-Framed Skylight (Andersen 400 Series)	352.51	97.92
		For Tempered Laminated Low-E Insulated Glass, Add	*39.17*	
		For Aluminum Shingle Flashing, Add	*31.34*	
08 65 00 00-0005	EA	24-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)	373.68	97.92
		For Tempered Laminated Low-E Insulated Glass, Add	*44.46*	
		For Aluminum Shingle Flashing, Add	*35.57*	
08 65 00 00-0006	EA	24-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	391.47	97.92
		For Tempered Laminated Low-E Insulated Glass, Add	*48.91*	
		For Aluminum Shingle Flashing, Add	*39.13*	
08 65 00 00-0007	EA	24-1/2" x 57", Domed, Wood-Framed Skylight (Andersen 400 Series)	420.27	97.92
		For Tempered Laminated Low-E Insulated Glass, Add	*56.11*	
		For Aluminum Shingle Flashing, Add	*44.89*	
08 65 00 00-0008	EA	24-1/2" x 72", Domed, Wood-Framed Skylight (Andersen 400 Series)	456.68	97.92
		For Tempered Laminated Low-E Insulated Glass, Add	*65.21*	
		For Aluminum Shingle Flashing, Add	*52.17*	
08 65 00 00-0009	EA	27" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	352.51	97.92
		For Tempered Laminated Low-E Insulated Glass, Add	*39.17*	
		For Aluminum Shingle Flashing, Add	*31.34*	
08 65 00 00-0010	EA	28" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)	395.70	97.92
		For Tempered Laminated Low-E Insulated Glass, Add	*49.97*	
		For Aluminum Shingle Flashing, Add	*39.97*	
08 65 00 00-0011	EA	28" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	420.27	97.92
		For Tempered Laminated Low-E Insulated Glass, Add	*56.11*	
		For Aluminum Shingle Flashing, Add	*44.89*	
08 65 00 00-0012	EA	28" x 57", Domed, Wood-Framed Skylight (Andersen 400 Series)	448.21	97.92
		For Tempered Laminated Low-E Insulated Glass, Add	*63.10*	
		For Aluminum Shingle Flashing, Add	*50.48*	
08 65 00 00-0013	EA	28" x 72", Domed, Wood-Framed Skylight (Andersen 400 Series)	485.48	97.92
		For Tempered Laminated Low-E Insulated Glass, Add	*72.41*	
		For Aluminum Shingle Flashing, Add	*57.93*	
08 65 00 00-0014	EA	38" x 16-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	361.83	97.92
		For Tempered Laminated Low-E Insulated Glass, Add	*41.50*	
		For Aluminum Shingle Flashing, Add	*33.20*	
08 65 00 00-0015	EA	38" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	373.68	97.92
		For Tempered Laminated Low-E Insulated Glass, Add	*44.46*	
		For Aluminum Shingle Flashing, Add	*35.57*	
08 65 00 00-0016	EA	38" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)	395.70	97.92
		For Tempered Laminated Low-E Insulated Glass, Add	*49.97*	
		For Aluminum Shingle Flashing, Add	*39.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 65 00 00-0017	EA	44" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	473.62	97.92
		For Tempered Laminated Low-E Insulated Glass, Add	*69.45*	
		For Aluminum Shingle Flashing, Add	*55.56*	
08 65 00 00-0018	EA	46" x 16-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	368.60	97.92
		For Tempered Laminated Low-E Insulated Glass, Add	*43.19*	
		For Aluminum Shingle Flashing, Add	*34.55*	
08 65 00 00-0019	EA	46" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	391.47	97.92
		For Tempered Laminated Low-E Insulated Glass, Add	*48.91*	
		For Aluminum Shingle Flashing, Add	*39.13*	
08 65 00 00-0020	EA	46" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)	420.27	97.92
		For Tempered Laminated Low-E Insulated Glass, Add	*56.11*	
		For Aluminum Shingle Flashing, Add	*44.89*	
08 65 00 00-0021	EA	46" x 44", Domed, Wood-Framed Skylight (Andersen 400 Series)	473.62	97.92
		For Tempered Laminated Low-E Insulated Glass, Add	*69.45*	
		For Aluminum Shingle Flashing, Add	*55.56*	
08 65 00 00-0022	EA	57" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	420.27	97.92
		For Tempered Laminated Low-E Insulated Glass, Add	*56.11*	
		For Aluminum Shingle Flashing, Add	*44.89*	
08 65 00 00-0023	EA	57" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)	448.21	97.92
		For Tempered Laminated Low-E Insulated Glass, Add	*63.10*	
		For Aluminum Shingle Flashing, Add	*50.48*	
08 65 00 00-0024	EA	72" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	456.68	97.92
		For Tempered Laminated Low-E Insulated Glass, Add	*65.21*	
		For Aluminum Shingle Flashing, Add	*52.17*	
08 65 00 00-0025	EA	72" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)	485.48	97.92
		For Tempered Laminated Low-E Insulated Glass, Add	*72.41*	
		For Aluminum Shingle Flashing, Add	*57.93*	

08 70 Hardware *(08)*

08 71 Door Hardware *(08 70)*

08 71 13 Automatic Door Operators *(08 71)*

08 71 13 00-0001 Automatic Door Operators (LCN) *(08 71 13)*

08 71 13 00-0002	EA	Automatic Door Operator, Surface Mount ADA Door Operator With Pull Arm (LCN 9531) Note: Opens doors automatically for wheelchair access, and allows for manual operation for regular pedestrian traffic.	2,075.53
08 71 13 00-0003	EA	Automatic Door Operator, Surface Mount ADA Door Operator With Push Arm (LCN 9542) Note: Opens doors automatically for wheelchair access, and allows for manual operation for regular pedestrian traffic.	2,075.53

08 71 16 Door Hardware *(08 71)*

Note: All hardware is ANSI/BHMA Grade 1 unless otherwise noted.

08 71 16 00-0001 Hinges *(08 71 16)*

Note: Unit of measure "PR" indicates that two (2) sets of hinges (top and bottom) are priced. For doors with three (3) sets of hinges (top, middle and bottom), use 1.5 pairs.

08 71 16 00-0002 Brass/Bronze, Satin Chrome Finish Hinges *(08 71 16 00-0001)*

Note: US26D (BHMA 626) satin chrome finish.

08 71 16 00-0003 Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinges *(08 71 16 00-0002)*

Note: Mortised into the edge of the door and mortised into the rabbet edge of the frame.

08 71 16 00-0004	PR	3-1/2" x 3-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	56.89	5.49
		For Clear Coated Bright Brass, Add	*3.91*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 16 00-0005	PR	4" x 4" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	62.37	7.83
		For Clear Coated Bright Brass, Add	*4.35*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 16 00-0006	PR	4-1/2" x 4-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	70.72	8.62
		For Clear Coated Bright Brass, Add	*3.63*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 16 00-0007 Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges *(08 71 16 00-0002)*

Note: Mortised into the edge of the door and mortised into the rabbet edge of the frame.

08 71 16 00-0008	PR	3-1/2" x 3-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	65.34	5.49
		For Clear Coated Bright Brass, Add	*5.01*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 16 00-0009	PR	4" x 4" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	74.95	7.83
		For Clear Coated Bright Brass, Add	*5.01*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 16 00-0010	PR	4-1/2" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	76.38	8.62
		For Clear Coated Bright Brass, Add	*4.43*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 16 00-0011	PR	5" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	89.22	10.18
		For Clear Coated Bright Brass, Add	*5.18*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-0012	PR	5" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	89.78	10.18
		For Clear Coated Bright Brass, Add	*5.26*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 16 00-0013	PR	6" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	96.22	13.08
		For Clear Coated Bright Brass, Add	*6.16*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 16 00-0014 Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges *(08 71 16 00-0002)*

Note: Mortised into the edge of the door and mortised into the rabbet edge of the frame.

08 71 16 00-0015	PR	3-1/2" x 3-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	73.96	5.49
08 71 16 00-0016	PR	4" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	83.57	7.83
08 71 16 00-0017	PR	4-1/2" x 4-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	85.76	8.62
08 71 16 00-0018	PR	5" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	99.56	10.18

08 71 16 00-0019 Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges *(08 71 16 00-0002)*

Note: Surface mounted to the face of the door and mortised into the rabbet edge of the frame.

08 71 16 00-0020	PR	4-1/2" x 4-1/2" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	145.62	8.62
		For Clear Coated Bright Brass, Add	*14.12*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 16 00-0021	PR	5" x 4" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	164.16	10.18
		For Clear Coated Bright Brass, Add	*15.67*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 16 00-0022	PR	5" x 5" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	95.40	10.18
		For Clear Coated Bright Brass, Add	*6.05*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 16 00-0023 Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges *(08 71 16 00-0002)*

Note: Mortised into the edge of the door and surface applied to the face of the frame.

08 71 16 00-0024	PR	4-1/2" x 4-1/2" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	132.72	8.62
		For Clear Coated Bright Brass, Add	*12.31*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 16 00-0025	PR	5" x 4" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	156.62	10.18
		For Clear Coated Bright Brass, Add	*14.62*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 16 00-0026 Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze Satin Chrome Finish Hinge *(08 71 16 00-0002)*

Note: Mortised into the edge of the door and mortised into the rabbet edge of the frame.

08 71 16 00-0027	PR	4-1/2" x 4-1/2" Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	94.70	8.62
		For Clear Coated Bright Brass, Add	*6.99*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 16 00-0028	PR	5" x 5" Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	109.48	13.08
		For Clear Coated Bright Brass, Add	*8.02*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 16 00-0029	PR	6" x 5" Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	149.24	13.08
		For Clear Coated Bright Brass, Add	*13.58*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 16 00-0030 Mortised, Wrought Steel Hinges *(08 71 16 00-0001)*

Note: Clear coated, US 26D satin chrome finish (BHMA 652).

08 71 16 00-0031 Full Mortise, Plain Bearing, Wrought Steel Hinges *(08 71 16 00-0030)*

Note: Mortised into the edge of the door and mortised into the rabbet edge of the frame.

08 71 16 00-0032	PR	3-1/2" x 3-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge	35.48	5.49
		For Primed For Paint Finish, Deduct	*-1.18*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*0.74*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-0.71*	
		For Stainless Steel, Add	*3.26*	
		For Heavy Duty, Add	*0.89*	
		For Extra Heavy Duty, Add	*2.37*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 16 00-0033	PR	4" x 4", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge	45.70	7.83
		For Primed For Paint Finish, Deduct	*-1.31*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*0.82*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-0.78*	
		For Stainless Steel, Add	*3.59*	
		For Heavy Duty, Add	*0.98*	
		For Extra Heavy Duty, Add	*2.61*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-0034	PR	4-1/2" x 4-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge	52.72	8.62
		For Primed For Paint Finish, Deduct	*-1.59*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*1.00*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-0.96*	
		For Stainless Steel, Add	*4.38*	
		For Heavy Duty, Add	*1.19*	
		For Extra Heavy Duty, Add	*3.18*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 16 00-0035 Full Mortise, Ball Bearing, Wrought Steel Hinges *(08 71 16 00-0030)*

Note: Mortised into the edge of the door and mortised into the rabbet edge of the frame.

08 71 16 00-0036	PR	3-1/2" x 3-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	51.13	5.49
		For Primed For Paint Finish, Deduct	*-4.31*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*2.70*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-2.59*	
		For Stainless Steel, Add	*11.86*	
		For Heavy Duty, Add	*3.24*	
		For Extra Heavy Duty, Add	*8.63*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 16 00-0037	PR	4" x 4", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	63.59	7.83
		For Primed For Paint Finish, Deduct	*-4.88*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*3.05*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-2.93*	
		For Stainless Steel, Add	*13.43*	
		For Heavy Duty, Add	*3.66*	
		For Extra Heavy Duty, Add	*9.77*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 16 00-0038	PR	4-1/2" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	59.41	8.62
		For Primed For Paint Finish, Deduct	*-2.93*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*1.83*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-1.76*	
		For Stainless Steel, Add	*8.06*	
		For Heavy Duty, Add	*2.20*	
		For Extra Heavy Duty, Add	*5.86*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 16 00-0039	PR	5" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	87.93	10.18
		For Primed For Paint Finish, Deduct	*-7.14*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*4.46*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-4.29*	
		For Stainless Steel, Add	*19.64*	
		For Heavy Duty, Add	*5.36*	
		For Extra Heavy Duty, Add	*14.28*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 16 00-0040	PR	5" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	92.97	10.18
		For Primed For Paint Finish, Deduct	*-8.15*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*5.09*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-4.89*	
		For Stainless Steel, Add	*22.41*	
		For Heavy Duty, Add	*6.11*	
		For Extra Heavy Duty, Add	*16.30*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 16 00-0041	PR	6" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	108.33	10.18
		For Primed For Paint Finish, Deduct	*-11.22*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*7.01*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-6.73*	
		For Stainless Steel, Add	*30.86*	
		For Heavy Duty, Add	*8.42*	
		For Extra Heavy Duty, Add	*22.44*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 16 00-0042 Half Surface, Plain Bearing, Wrought Steel Hinges *(08 71 16 00-0030)*

Note: Surface mounted to the face of the door and mortised into the rabbet edge of the frame.

08 71 16 00-0043	PR	3-1/2" x 3-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge	60.17	5.49
		For Primed For Paint Finish, Deduct	*-6.12*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*3.83*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-3.67*	
		For Stainless Steel, Add	*16.84*	
		For Heavy Duty, Add	*4.59*	
		For Extra Heavy Duty, Add	*12.24*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 16 00-0044	PR	4" x 4", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge	73.86	7.83
		For Primed For Paint Finish, Deduct	*-6.94*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*4.34*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-4.16*	
		For Stainless Steel, Add	*19.08*	
		For Heavy Duty, Add	*5.20*	
		For Extra Heavy Duty, Add	*13.88*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-0045	PR	4-1/2" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge	83.53	8.62
		For Primed For Paint Finish, Deduct	*-7.75*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*4.85*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-4.65*	
		For Stainless Steel, Add	*21.32*	
		For Heavy Duty, Add	*5.82*	
		For Extra Heavy Duty, Add	*15.51*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 16 00-0046	PR	5" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge	95.07	10.18
		For Primed For Paint Finish, Deduct	*-8.57*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*5.36*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-5.14*	
		For Stainless Steel, Add	*23.57*	
		For Heavy Duty, Add	*6.43*	
		For Extra Heavy Duty, Add	*17.14*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 16 00-0047 Half Surface, Ball Bearing, Wrought Steel Hinges *(08 71 16 00-0030)*

Note: Surface mounted to the face of the door and mortised into the rabbet edge of the frame.

08 71 16 00-0048	PR	4" x 4", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge	83.04	8.62
		For Primed For Paint Finish, Deduct	*-8.77*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*5.48*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-5.26*	
		For Stainless Steel, Add	*24.13*	
		For Heavy Duty, Add	*6.58*	
		For Extra Heavy Duty, Add	*17.55*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 16 00-0049	PR	4-1/2" x 4-1/2", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge	93.30	8.62
		For Primed For Paint Finish, Deduct	*-9.71*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*6.07*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-5.82*	
		For Stainless Steel, Add	*26.70*	
		For Heavy Duty, Add	*7.28*	
		For Extra Heavy Duty, Add	*19.42*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 16 00-0050	PR	5" x 5", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge	108.33	10.18
		For Primed For Paint Finish, Deduct	*-11.22*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*7.01*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-6.73*	
		For Stainless Steel, Add	*30.86*	
		For Heavy Duty, Add	*8.42*	
		For Extra Heavy Duty, Add	*22.44*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 16 00-0051 Slide-In, Full Mortise, Ball Bearing, Wrought Steel Hinges *(08 71 16 00-0030)*

Note: Both leaves slide into a cavity prepared in the door and door frame.

08 71 16 00-0052	PR	4-1/2" x 4-1/2", Standard Duty, Slide In, Full Mortise, Ball Bearing, Wrought Steel Hinge	59.89	8.62
		For Primed For Paint Finish, Deduct	*-3.03*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*1.89*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-1.82*	
		For Stainless Steel, Add	*8.32*	
		For Heavy Duty, Add	*2.27*	
		For Extra Heavy Duty, Add	*6.05*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 16 00-0053 Blank Butt Hinges *(08 71 16 00-0030)*

08 71 16 00-0054	PR	3.5" x 3.5" To 5" x 5", Blank Butt With Screws, Steel Hinge	15.94	3.52
		For Primed For Paint Finish, Deduct	*-0.39*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*0.24*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-0.23*	
		For Stainless Steel, Add	*1.06*	
		For Heavy Duty, Add	*0.29*	
		For Extra Heavy Duty, Add	*0.77*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 16 00-0055 Full Mortise, Single Acting Spring, Wrought Steel Hinges *(08 71 16 00-0030)*

Note: Mortised into the edge of the door and mortised into the rabbet edge of the frame.

08 71 16 00-0056	PR	3-1/2" x 3-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge	44.01	5.49
		For Primed For Paint Finish, Deduct	*-2.89*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*1.81*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-1.73*	
		For Stainless Steel, Add	*7.95*	
08 71 16 00-0057	PR	4" x 4", Full Mortise, Single Acting Spring, Wrought Steel Hinge	58.07	7.83
		For Primed For Paint Finish, Deduct	*-3.78*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*2.36*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-2.27*	
		For Stainless Steel, Add	*10.40*	
08 71 16 00-0058	PR	4-1/2" x 4-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge	72.56	8.62
		For Primed For Paint Finish, Deduct	*-5.56*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*3.48*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-3.34*	
		For Stainless Steel, Add	*15.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-0059		**Offset And Pivot Hinges** *(08 71 16 00-0001)* Note: Satin chrome plated, US26D.		
08 71 16 00-0060		**Offset Swing Clear Hinges** *(08 71 16 00-0059)* Note: For use on 1-3/8" and 1-3/4" doors. Allows doors to swing completely clear of the openings.		
08 71 16 00-0061	EA	4-1/2", Swing Clear, Offset Hinges	48.78	2.45
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*7.41*	
		For Bright Chrome Plated US26 (BHMA 625) Finish, Add	*11.94*	
08 71 16 00-0062		**Offset Pivot Hinges** *(08 71 16 00-0059)*		
08 71 16 00-0063		**3/4" Offset Pivot Hinges** *(08 71 16 00-0062)*		
08 71 16 00-0064		**3/4" Offset Pivot Hinges** *(08 71 16 00-0063)*		
08 71 16 00-0065		**Top Mount, 3/4" Offset Pivot Hinges** *(08 71 16 00-0064)*		
08 71 16 00-0066		**200 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges** *(08 71 16 00-0065)*		
08 71 16 00-0067	EA	Painted Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	79.56	7.83
08 71 16 00-0068	EA	Satin Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	105.70	7.83
08 71 16 00-0069	EA	Bright Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	120.22	7.83
08 71 16 00-0070	EA	Satin Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	120.22	7.83
08 71 16 00-0071	EA	Satin Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	120.22	7.83
08 71 16 00-0072	EA	Dark Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	120.22	7.83
08 71 16 00-0073	EA	Bright Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	120.22	7.83
08 71 16 00-0074	EA	Painted Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	87.11	7.83
08 71 16 00-0075	EA	Satin Chrome Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	109.77	7.83
08 71 16 00-0076	EA	Bright Brass Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	124.87	7.83
08 71 16 00-0077	EA	Satin Brass Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	124.87	7.83
08 71 16 00-0078	EA	Satin Bronze Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	124.87	7.83
08 71 16 00-0079	EA	Dark Bronze Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	124.87	7.83
08 71 16 00-0080	EA	Bright Chrome Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	124.87	7.83
08 71 16 00-0081	EA	Painted Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	79.56	7.83
08 71 16 00-0082	EA	Satin Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	105.70	7.83
08 71 16 00-0083	EA	Bright Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	120.22	7.83
08 71 16 00-0084	EA	Satin Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	120.22	7.83
08 71 16 00-0085	EA	Satin Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	120.22	7.83
08 71 16 00-0086	EA	Dark Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	120.22	7.83
08 71 16 00-0087	EA	Bright Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	120.22	7.83
08 71 16 00-0088		**500 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges** *(08 71 16 00-0065)*		
08 71 16 00-0089	EA	Painted Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	83.47	9.80
08 71 16 00-0090	EA	Satin Chrome Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	109.61	9.80
08 71 16 00-0091	EA	Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	124.13	9.80
08 71 16 00-0092	EA	Satin Brass Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	124.13	9.80
08 71 16 00-0093	EA	Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	124.13	9.80
08 71 16 00-0094	EA	Dark Bronze Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	124.13	9.80
08 71 16 00-0095	EA	Bright Chrome Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	124.13	9.80
08 71 16 00-0096		**600 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges** *(08 71 16 00-0065)*		
08 71 16 00-0097	EA	Painted Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	83.47	9.80
08 71 16 00-0098	EA	Satin Chrome Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	109.61	9.80
08 71 16 00-0099	EA	Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	124.13	9.80
08 71 16 00-0100	EA	Satin Brass Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	124.13	9.80
08 71 16 00-0101	EA	Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	124.13	9.80
08 71 16 00-0102	EA	Dark Bronze Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	124.13	9.80
08 71 16 00-0103	EA	Bright Chrome Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	124.13	9.80
08 71 16 00-0104		**700 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges** *(08 71 16 00-0065)*		
08 71 16 00-0105	EA	Painted Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	83.47	9.80
08 71 16 00-0106	EA	Satin Chrome Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	109.61	9.80
08 71 16 00-0107	EA	Bright Brass Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	124.13	9.80
08 71 16 00-0108	EA	Satin Brass Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	124.13	9.80
08 71 16 00-0109	EA	Satin Bronze Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	124.13	9.80
08 71 16 00-0110	EA	Dark Bronze Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	124.13	9.80
08 71 16 00-0111	EA	Bright Chrome Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	124.13	9.80
08 71 16 00-0112		**Intermediate Mount, 3/4" Offset Pivot Hinges** *(08 71 16 00-0064)*		
08 71 16 00-0113		**200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges** *(08 71 16 00-0112)*		
08 71 16 00-0114	EA	Painted Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	98.14	7.83
08 71 16 00-0115	EA	Satin Chrome Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	120.22	7.83

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-0116	EA	Bright Brass Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	135.90	7.83
08 71 16 00-0117	EA	Satin Brass Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	135.90	7.83
08 71 16 00-0118	EA	Satin Bronze Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	135.90	7.83
08 71 16 00-0119	EA	Dark Bronze Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	135.90	7.83
08 71 16 00-0120	EA	Bright Chrome Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	135.90	7.83
08 71 16 00-0121		500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges *(08 71 16 00-0112)*		
08 71 16 00-0122	EA	Painted Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	109.61	9.80
08 71 16 00-0123	EA	Satin Chrome Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	116.58	9.80
08 71 16 00-0124	EA	Bright Brass Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	128.78	9.80
08 71 16 00-0125	EA	Satin Brass Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	128.78	9.80
08 71 16 00-0126	EA	Satin Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	128.78	9.80
08 71 16 00-0127	EA	Dark Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	128.78	9.80
08 71 16 00-0128	EA	Bright Chrome Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	128.78	9.80
08 71 16 00-0129		600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges *(08 71 16 00-0112)*		
08 71 16 00-0130	EA	Painted Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	109.61	9.80
08 71 16 00-0131	EA	Satin Chrome Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	116.58	9.80
08 71 16 00-0132	EA	Bright Brass Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	128.78	9.80
08 71 16 00-0133	EA	Satin Brass Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	128.78	9.80
08 71 16 00-0134	EA	Satin Bronze Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	128.78	9.80
08 71 16 00-0135	EA	Dark Bronze Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	128.78	9.80
08 71 16 00-0136	EA	Bright Chrome Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	128.78	9.80
08 71 16 00-0137		700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges *(08 71 16 00-0112)*		
08 71 16 00-0138	EA	Painted Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	109.61	9.80
08 71 16 00-0139	EA	Satin Chrome Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	116.58	9.80
08 71 16 00-0140	EA	Bright Brass Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	128.78	9.80
08 71 16 00-0141	EA	Satin Brass Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	128.78	9.80
08 71 16 00-0142	EA	Satin Bronze Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	128.78	9.80
08 71 16 00-0143	EA	Dark Bronze Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	128.78	9.80
08 71 16 00-0144	EA	Bright Chrome Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	128.78	9.80
08 71 16 00-0145		Bottom Mount, 3/4" Offset Pivot Hinges *(08 71 16 00-0064)*		
08 71 16 00-0146		200 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges *(08 71 16 00-0145)*		
08 71 16 00-0147	EA	Painted Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	87.11	7.83
08 71 16 00-0148	EA	Satin Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	109.77	7.83
08 71 16 00-0149	EA	Bright Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	124.87	7.83
08 71 16 00-0150	EA	Satin Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	124.87	7.83
08 71 16 00-0151	EA	Satin Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	124.87	7.83
08 71 16 00-0152	EA	Dark Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	124.87	7.83
08 71 16 00-0153	EA	Bright Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	124.87	7.83
08 71 16 00-0154	EA	Painted Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	87.11	7.83
08 71 16 00-0155	EA	Satin Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	109.77	7.83
08 71 16 00-0156	EA	Bright Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	124.87	7.83
08 71 16 00-0157	EA	Satin Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	124.87	7.83
08 71 16 00-0158	EA	Satin Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	124.87	7.83
08 71 16 00-0159	EA	Dark Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	124.87	7.83
08 71 16 00-0160	EA	Bright Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	124.87	7.83
08 71 16 00-0161	EA	Painted Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	76.08	7.83
08 71 16 00-0162	EA	Satin Chrome Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	102.22	7.83
08 71 16 00-0163	EA	Bright Brass Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	117.31	7.83
08 71 16 00-0164	EA	Satin Brass Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	117.31	7.83
08 71 16 00-0165	EA	Satin Bronze Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	117.31	7.83
08 71 16 00-0166	EA	Dark Bronze Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	117.31	7.83
08 71 16 00-0167	EA	Bright Chrome Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	117.31	7.83
08 71 16 00-0168		500 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges *(08 71 16 00-0145)*		
08 71 16 00-0169	EA	Satin Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	131.68	9.80
08 71 16 00-0170	EA	Bright Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	139.81	9.80
08 71 16 00-0171	EA	Satin Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	139.81	9.80
08 71 16 00-0172	EA	Satin Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	139.81	9.80
08 71 16 00-0173	EA	Dark Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	139.81	9.80
08 71 16 00-0174	EA	Bright Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	139.81	9.80
08 71 16 00-0175	EA	Painted Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	142.13	9.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-0176		**600 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges** *(08 71 16 00-0145)*		
08 71 16 00-0177	EA	Painted Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	113.68	9.80
08 71 16 00-0178	EA	Satin Chrome Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	124.13	9.80
08 71 16 00-0179	EA	Bright Brass Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	131.68	9.80
08 71 16 00-0180	EA	Satin Brass Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	131.68	9.80
08 71 16 00-0181	EA	Satin Bronze Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	131.68	9.80
08 71 16 00-0182	EA	Dark Bronze Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	131.68	9.80
08 71 16 00-0183	EA	Bright Chrome Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	131.68	9.80
08 71 16 00-0184		**700 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges** *(08 71 16 00-0145)*		
08 71 16 00-0185	EA	Painted Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	255.39	9.80
08 71 16 00-0186	EA	Satin Chrome Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	273.98	9.80
08 71 16 00-0187	EA	Bright Brass Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	303.61	9.80
08 71 16 00-0188	EA	Satin Brass Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	303.61	9.80
08 71 16 00-0189	EA	Satin Bronze Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	303.61	9.80
08 71 16 00-0190	EA	Dark Bronze Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	303.61	9.80
08 71 16 00-0191	EA	Bright Chrome Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	303.61	9.80
08 71 16 00-0192		**Fire Rated, 3/4" Offset Pivot Hinges** *(08 71 16 00-0063)*		
08 71 16 00-0193		**Top Mount, Fire Rated, 3/4" Offset Pivot Hinges** *(08 71 16 00-0192)*		
08 71 16 00-0194		**500 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges** *(08 71 16 00-0193)*		
08 71 16 00-0195	EA	Painted Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	153.76	9.80
08 71 16 00-0196	EA	Satin Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	181.05	9.80
08 71 16 00-0197	EA	Bright Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	203.12	9.80
08 71 16 00-0198	EA	Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	203.12	9.80
08 71 16 00-0199	EA	Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	203.12	9.80
08 71 16 00-0200		**600 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges** *(08 71 16 00-0193)*		
08 71 16 00-0201	EA	Painted Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	153.76	9.80
08 71 16 00-0202	EA	Satin Stainless Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	181.05	9.80
08 71 16 00-0203	EA	Bright Stainless Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	203.12	9.80
08 71 16 00-0204	EA	Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	203.12	9.80
08 71 16 00-0205	EA	Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	203.12	9.80
08 71 16 00-0206		**700 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges** *(08 71 16 00-0193)*		
08 71 16 00-0207	EA	Painted Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	153.76	9.80
08 71 16 00-0208	EA	Satin Stainless Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	181.05	9.80
08 71 16 00-0209	EA	Bright Stainless Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	203.12	9.80
08 71 16 00-0210	EA	Bright Brass Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	203.12	9.80
08 71 16 00-0211	EA	Satin Bronze Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	203.12	9.80
08 71 16 00-0212		**1,000 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges** *(08 71 16 00-0193)*		
08 71 16 00-0213	EA	Painted Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	162.32	11.75
08 71 16 00-0214	EA	Satin Stainless Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	184.97	11.75
08 71 16 00-0215	EA	Bright Stainless Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	195.43	11.75
08 71 16 00-0216	EA	Bright Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	195.43	11.75
08 71 16 00-0217	EA	Satin Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	195.43	11.75

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-0218		1,750 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 16 00-0193)*		
08 71 16 00-0219	EA	Painted Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	162.32	11.75
08 71 16 00-0220	EA	Satin Stainless Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	184.97	11.75
08 71 16 00-0221	EA	Bright Stainless Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	195.43	11.75
08 71 16 00-0222	EA	Bright Brass Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	195.43	11.75
08 71 16 00-0223	EA	Satin Bronze Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	195.43	11.75
08 71 16 00-0224		Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 16 00-0192)*		
08 71 16 00-0225		500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 16 00-0224)*		
08 71 16 00-0226	EA	Painted Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	158.40	9.80
08 71 16 00-0227	EA	Satin Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	183.95	9.80
08 71 16 00-0228	EA	Bright Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	191.51	9.80
08 71 16 00-0229	EA	Bright Brass Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	191.51	9.80
08 71 16 00-0230	EA	Satin Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	191.51	9.80
08 71 16 00-0231		600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 16 00-0224)*		
08 71 16 00-0232	EA	Painted Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	158.40	9.80
08 71 16 00-0233	EA	Satin Stainless Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	183.95	9.80
08 71 16 00-0234	EA	Bright Stainless Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	191.51	9.80
08 71 16 00-0235	EA	Bright Brass Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	191.51	9.80
08 71 16 00-0236	EA	Satin Bronze Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	191.51	9.80
08 71 16 00-0237		700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 16 00-0224)*		
08 71 16 00-0238	EA	Painted Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	158.40	9.80
08 71 16 00-0239	EA	Satin Stainless Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	183.95	9.80
08 71 16 00-0240	EA	Bright Stainless Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	191.51	9.80
08 71 16 00-0241	EA	Bright Brass Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	191.51	9.80
08 71 16 00-0242	EA	Satin Bronze Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	191.51	9.80
08 71 16 00-0243		1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 16 00-0224)*		
08 71 16 00-0244	EA	Painted Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	177.42	11.75
08 71 16 00-0245	EA	Satin Stainless Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	203.55	11.75
08 71 16 00-0246	EA	Bright Stainless Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	210.52	11.75
08 71 16 00-0247	EA	Bright Brass Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	210.52	11.75
08 71 16 00-0248	EA	Satin Bronze Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	210.52	11.75
08 71 16 00-0249		1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 16 00-0224)*		
08 71 16 00-0250	EA	Painted Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	177.42	11.75
08 71 16 00-0251	EA	Satin Stainless Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	203.55	11.75
08 71 16 00-0252	EA	Bright Stainless Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	210.52	11.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-0253	EA	Bright Brass Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	210.52	11.75
08 71 16 00-0254	EA	Satin Bronze Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	210.52	11.75
08 71 16 00-0255		Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 16 00-0192)*		
08 71 16 00-0256		500 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 16 00-0255)*		
08 71 16 00-0257	EA	Painted Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	176.41	9.80
08 71 16 00-0258	EA	Satin Stainless Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	217.65	9.80
08 71 16 00-0259	EA	Bright Stainless Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	233.33	9.80
08 71 16 00-0260	EA	Bright Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	233.33	9.80
08 71 16 00-0261	EA	Satin Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	233.33	9.80
08 71 16 00-0262		600 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 16 00-0255)*		
08 71 16 00-0263	EA	Painted Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	173.50	9.80
08 71 16 00-0264	EA	Satin Stainless Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	183.95	9.80
08 71 16 00-0265	EA	Bright Stainless Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	210.68	9.80
08 71 16 00-0266	EA	Bright Brass Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	210.68	9.80
08 71 16 00-0267	EA	Satin Bronze Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	210.68	9.80
08 71 16 00-0268		1,000 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 16 00-0255)*		
08 71 16 00-0269	EA	Painted Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	199.49	11.75
08 71 16 00-0270	EA	Satin Stainless Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	221.57	11.75
08 71 16 00-0271	EA	Bright Stainless Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	229.69	11.75
08 71 16 00-0272	EA	Bright Brass Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	229.69	11.75
08 71 16 00-0273	EA	Satin Bronze Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	229.69	11.75
08 71 16 00-0274		1,750 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 16 00-0255)*		
08 71 16 00-0275	EA	Painted Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	281.39	11.75
08 71 16 00-0276	EA	Satin Stainless Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	299.98	11.75
08 71 16 00-0277	EA	Bright Stainless Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	307.53	11.75
08 71 16 00-0278	EA	Bright Brass Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	307.53	11.75
08 71 16 00-0279	EA	Satin Bronze Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	307.53	11.75
08 71 16 00-0280		1-1/2" Offset Pivot Hinges *(08 71 16 00-0062)*		
08 71 16 00-0281		Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 16 00-0280)*		
08 71 16 00-0282		Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 16 00-0281)*		
08 71 16 00-0283		400 LB Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 16 00-0282)*		
08 71 16 00-0284	EA	Painted Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	181.05	9.80
08 71 16 00-0285	EA	Satin Stainless Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	195.57	9.80
08 71 16 00-0286	EA	Bright Stainless Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	206.60	9.80
08 71 16 00-0287	EA	Bright Bronze Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	206.60	9.80
08 71 16 00-0288	EA	Satin Bronze Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	206.60	9.80

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-0289		500 LB Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 16 00-0282)*			
08 71 16 00-0290	EA	Painted Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top)		181.05	9.80
08 71 16 00-0291	EA	Satin Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top)		195.57	9.80
08 71 16 00-0292	EA	Bright Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top)		206.60	9.80
08 71 16 00-0293	EA	Bright Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top)		206.60	9.80
08 71 16 00-0294	EA	Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top)		206.60	9.80
08 71 16 00-0295		Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 16 00-0281)*			
08 71 16 00-0296		400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 16 00-0295)*			
08 71 16 00-0297	EA	Painted Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)		188.02	9.80
08 71 16 00-0298	EA	Satin Stainless Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)		210.68	9.80
08 71 16 00-0299	EA	Bright Stainless Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)		221.71	9.80
08 71 16 00-0300	EA	Bright Brass Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)		221.71	9.80
08 71 16 00-0301	EA	Satin Bronze Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)		221.71	9.80
08 71 16 00-0302		500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 16 00-0295)*			
08 71 16 00-0303	EA	Painted Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)		188.02	9.80
08 71 16 00-0304	EA	Satin Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)		210.68	9.80
08 71 16 00-0305	EA	Bright Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)		221.71	9.80
08 71 16 00-0306	EA	Bright Brass Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)		221.71	9.80
08 71 16 00-0307	EA	Satin Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)		221.71	9.80
08 71 16 00-0308		Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 16 00-0281)*			
08 71 16 00-0309		400 LB Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 16 00-0308)*			
08 71 16 00-0310	EA	Painted Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)		183.95	9.80
08 71 16 00-0311	EA	Satin Stainless Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)		210.68	9.80
08 71 16 00-0312	EA	Bright Stainless Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)		221.71	9.80
08 71 16 00-0313	EA	Bright Brass Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)		221.71	9.80
08 71 16 00-0314	EA	Satin Bronze Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)		221.71	9.80
08 71 16 00-0315		500 LB Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 16 00-0308)*			
08 71 16 00-0316	EA	Painted Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)		296.06	9.80
08 71 16 00-0317	EA	Satin Stainless Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)		326.26	9.80
08 71 16 00-0318	EA	Bright Stainless Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)		333.81	9.80
08 71 16 00-0319	EA	Bright Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)		333.81	9.80
08 71 16 00-0320	EA	Satin Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)		333.81	9.80
08 71 16 00-0321		Center Hung Pivot Hinges *(08 71 16 00-0059)*			
08 71 16 00-0322		Top Mount, Center Hung Pivot Hinges *(08 71 16 00-0321)*			
08 71 16 00-0323		300 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges *(08 71 16 00-0322)*			
08 71 16 00-0324	EA	Painted Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)		94.66	7.83

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-0325	EA	Satin Chrome Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	102.22	7.83
08 71 16 00-0326	EA	Bright Brass Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	102.22	7.83
08 71 16 00-0327	EA	Satin Brass Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	102.22	7.83
08 71 16 00-0328	EA	Satin Bronze Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	102.22	7.83
08 71 16 00-0329	EA	Dark Bronze Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	102.22	7.83
08 71 16 00-0330	EA	Bright Chrome Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	102.22	7.83
08 71 16 00-0331		500 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges *(08 71 16 00-0322)*		
08 71 16 00-0332	EA	Painted Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	98.57	9.80
08 71 16 00-0333	EA	Satin Chrome Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	106.13	9.80
08 71 16 00-0334	EA	Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	106.13	9.80
08 71 16 00-0335	EA	Satin Brass Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	106.13	9.80
08 71 16 00-0336	EA	Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	106.13	9.80
08 71 16 00-0337	EA	Dark Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	106.13	9.80
08 71 16 00-0338	EA	Bright Chrome Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	106.13	9.80
08 71 16 00-0339		600 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges *(08 71 16 00-0322)*		
08 71 16 00-0340	EA	Painted Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	98.57	9.80
08 71 16 00-0341	EA	Satin Chrome Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	106.13	9.80
08 71 16 00-0342	EA	Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	106.13	9.80
08 71 16 00-0343	EA	Satin Brass Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	106.13	9.80
08 71 16 00-0344	EA	Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	106.13	9.80
08 71 16 00-0345	EA	Dark Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	106.13	9.80
08 71 16 00-0346	EA	Bright Chrome Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	106.13	9.80
08 71 16 00-0347		1,000 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges *(08 71 16 00-0322)*		
08 71 16 00-0348	EA	Painted Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	154.76	11.75
08 71 16 00-0349	EA	Satin Chrome Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	180.33	11.75
08 71 16 00-0350	EA	Bright Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	207.04	11.75
08 71 16 00-0351	EA	Satin Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	207.04	11.75
08 71 16 00-0352	EA	Satin Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	207.04	11.75
08 71 16 00-0353	EA	Dark Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	207.04	11.75
08 71 16 00-0354	EA	Bright Chrome Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	207.04	11.75
08 71 16 00-0355		Bottom Mount, Center Hung Pivot Hinges *(08 71 16 00-0321)*		
08 71 16 00-0356		300 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges *(08 71 16 00-0355)*		
08 71 16 00-0357	EA	Painted Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	72.59	7.83
08 71 16 00-0358	EA	Satin Chrome Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	83.63	7.83
08 71 16 00-0359	EA	Bright Brass Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	94.66	7.83
08 71 16 00-0360	EA	Satin Brass Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	94.66	7.83
08 71 16 00-0361	EA	Satin Bronze Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	94.66	7.83
08 71 16 00-0362	EA	Dark Bronze Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	94.66	7.83
08 71 16 00-0363	EA	Bright Chrome Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	94.66	7.83
08 71 16 00-0364		500 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges *(08 71 16 00-0355)*		
08 71 16 00-0365	EA	Painted Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	106.13	9.80
08 71 16 00-0366	EA	Satin Chrome Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	109.61	9.80
08 71 16 00-0367	EA	Bright Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	109.61	9.80
08 71 16 00-0368	EA	Satin Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	109.61	9.80
08 71 16 00-0369	EA	Satin Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	109.61	9.80
08 71 16 00-0370	EA	Dark Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	109.61	9.80
08 71 16 00-0371	EA	Bright Chrome Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	109.61	9.80
08 71 16 00-0372	EA	Painted Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	106.13	9.80
08 71 16 00-0373	EA	Satin Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	109.61	9.80
08 71 16 00-0374	EA	Bright Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	109.61	9.80
08 71 16 00-0375	EA	Satin Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	109.61	9.80
08 71 16 00-0376	EA	Satin Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	109.61	9.80
08 71 16 00-0377	EA	Dark Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	109.61	9.80
08 71 16 00-0378	EA	Bright Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	109.61	9.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-0379		**600 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges** *(08 71 16 00-0355)*		
08 71 16 00-0380	EA	Painted Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	210.68	9.80
08 71 16 00-0381	EA	Satin Chrome Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	221.71	9.80
08 71 16 00-0382	EA	Bright Brass Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	233.33	9.80
08 71 16 00-0383	EA	Satin Brass Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	233.33	9.80
08 71 16 00-0384	EA	Satin Bronze Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	233.33	9.80
08 71 16 00-0385	EA	Dark Bronze Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	233.33	9.80
08 71 16 00-0386	EA	Bright Chrome Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	233.33	9.80
08 71 16 00-0387		**1,000 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges** *(08 71 16 00-0355)*		
08 71 16 00-0388	EA	Painted Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	385.94	11.75
08 71 16 00-0389	EA	Satin Chrome Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	396.97	11.75
08 71 16 00-0390	EA	Bright Brass Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	412.08	11.75
08 71 16 00-0391	EA	Satin Brass Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	412.08	11.75
08 71 16 00-0392	EA	Satin Bronze Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	412.08	11.75
08 71 16 00-0393	EA	Dark Bronze Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	412.08	11.75
08 71 16 00-0394	EA	Bright Chrome Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	412.08	11.75
08 71 16 00-0395		**Continuous Steel Hinges** *(08 71 16 00-0001)*		
08 71 16 00-0396	LF	1-1/2" Wide, Continuous Steel Hinge	14.63	3.13
		For Stainless Steel, Add	*1.15*	
		For Brass Or Nickel, Add	*1.25*	
		For Aluminum, Add	*0.41*	
		For Medium Gauge, Deduct	*-0.42*	
08 71 16 00-0397	LF	2" Wide, Continuous Steel Hinge	14.77	3.13
		For Stainless Steel, Add	*1.23*	
		For Brass Or Nickel, Add	*1.34*	
		For Aluminum, Add	*0.44*	
		For Medium Gauge, Deduct	*-0.45*	
08 71 16 00-0398	LF	2-1/2" Wide, Continuous Steel Hinge	15.04	3.13
		For Stainless Steel, Add	*1.38*	
		For Brass Or Nickel, Add	*1.50*	
		For Aluminum, Add	*0.49*	
		For Medium Gauge, Deduct	*-0.50*	
08 71 16 00-0399	LF	3" Wide, Continuous Steel Hinge	15.36	3.13
		For Stainless Steel, Add	*1.55*	
		For Brass Or Nickel, Add	*1.69*	
		For Aluminum, Add	*0.55*	
		For Medium Gauge, Deduct	*-0.56*	
08 71 16 00-0400		**Continuous Geared Hinges** *(08 71 16 00-0001)*		
08 71 16 00-0401	LF	Half Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-053)	33.85	3.13
		For Bronze Finish, Add	*7.99*	
		For Heavy Duty, Add	*5.69*	
08 71 16 00-0402	LF	Full Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-057)	36.35	3.13
		For Bronze Finish, Add	*8.93*	
		For Heavy Duty, Add	*6.36*	
08 71 16 00-0403	LF	Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-112)	23.87	3.13
		For Bronze Finish, Add	*4.25*	
08 71 16 00-0404	LF	Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Heavy Duty (Roton 780-112HD)	27.48	3.13
		For Bronze Finish, Add	*5.60*	
08 71 16 00-0405		**Mortised, Primed Steel, Double Acting Spring Hinges** *(08 71 16 00-0001)*		
08 71 16 00-0406	PR	2", Mortised, Primed Steel, Double Acting Spring Hinge	74.17	5.49
		For Satin Brass, Add	*11.22*	
08 71 16 00-0407	PR	3", Mortised, Primed Steel, Double Acting Spring Hinge	82.02	7.05
		For Satin Brass, Add	*11.22*	
08 71 16 00-0408	PR	4", Mortised, Primed Steel, Double Acting Spring Hinge	92.40	8.62
		For Satin Brass, Add	*11.84*	
08 71 16 00-0409	PR	5", Mortised, Primed Steel, Double Acting Spring Hinge	119.15	10.18
		For Satin Brass, Add	*16.38*	
08 71 16 00-0410	PR	6", Mortised, Primed Steel, Double Acting Spring Hinge	133.89	11.75
		For Satin Brass, Add	*18.03*	
08 71 16 00-0411	PR	7", Mortised, Primed Steel, Double Acting Spring Hinge	159.66	13.32
		For Satin Brass, Add	*22.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-0412	PR	8", Mortised, Primed Steel, Double Acting Spring Hinge	211.33	37.21
		For Satin Brass, Add	*32.86*	
08 71 16 00-0413		**Security Hinges** *(08 71 16 00-0001)*		
08 71 16 00-0414	EA	4-1/2" x 4-1/2", Non Removable Pin, Full Mortise, Ball Bearing, Steel Security Hinge	28.31	5.49
08 71 16 00-0415		**Concealed Circuit Electric Hinge Option** *(08 71 16 00-0001)*		
		Note: Excludes the hinge. These tasks are used in conjunction with other hinges in the Construction Task Catalog® to electrify the hinge.		
08 71 16 00-0416	EA	4 Wire Concealed Circuit Electric Hinge Option	152.72	
08 71 16 00-0417	EA	6 Wire Concealed Circuit Electric Hinge Option	180.32	
08 71 16 00-0418	EA	8 Wire Concealed Circuit Electric Hinge Option	207.91	
08 71 16 00-0419		**Hinge Filler Plates For Door Frames** *(08 71 16 00-0001)*		
08 71 16 00-0420	PR	Hinge Filler Plates For Door Frames	12.83	3.92
08 71 16 00-0421		**Door Trim** *(08 71 16)*		
08 71 16 00-0422		**Floor Stops, Wall Stops And Bumpers** *(08 71 16 00-0421)*		
08 71 16 00-0423		**Floor Stops** *(08 71 16 00-0422)*		
08 71 16 00-0424		**Aluminum Floor Stops** *(08 71 16 00-0423)*		
08 71 16 00-0425	EA	1-5/16" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS430)	21.06	9.80
08 71 16 00-0426	EA	1" Overall Height, 3/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS436)	22.52	9.80
08 71 16 00-0427	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS438)	23.08	9.80
08 71 16 00-0428	EA	2-1/8" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS441)	31.60	9.80
08 71 16 00-0429	EA	3" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS444/448)	32.62	9.80
08 71 16 00-0430		**Brass Floor Stops** *(08 71 16 00-0423)*		
08 71 16 00-0431	EA	1" Overall Height, 3/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS436)	22.73	9.80
08 71 16 00-0432	EA	1" Overall Height, 3/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS436)	23.29	9.80
08 71 16 00-0433	EA	1" Overall Height, 3/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS436)	23.29	9.80
08 71 16 00-0434	EA	1" Overall Height, 3/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS436)	23.51	9.80
08 71 16 00-0435	EA	1" Overall Height, 3/16" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS436)	23.79	9.80
08 71 16 00-0436	EA	1" Overall Height, 3/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS436)	23.79	9.80
08 71 16 00-0437	EA	1" Overall Height, 3/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS436)	23.79	9.80
08 71 16 00-0438	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS438)	23.08	9.80
08 71 16 00-0439	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS438)	23.93	9.80
08 71 16 00-0440	EA	1-3/8" Overall Height, 9/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS438)	23.93	9.80
08 71 16 00-0441	EA	1-3/8" Overall Height, 9/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS438)	24.26	9.80
08 71 16 00-0442	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS438)	24.55	9.80
08 71 16 00-0443	EA	1-3/8" Overall Height, 9/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS438)	24.55	9.80
08 71 16 00-0444	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS438)	25.89	9.80
08 71 16 00-0445	EA	1" Overall Height, 5/32" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS13)	23.99	9.80
08 71 16 00-0446	EA	1" Overall Height, 5/32" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS13)	23.99	9.80
08 71 16 00-0447	EA	1" Overall Height, 5/32" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS13)	24.91	9.80
08 71 16 00-0448	EA	1" Overall Height, 5/32" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS13)	24.91	9.80
08 71 16 00-0449	EA	1" Overall Height, 5/32" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS13)	24.91	9.80
08 71 16 00-0450	EA	1" Overall Height, 5/32" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS13)	24.91	9.80
08 71 16 00-0451	EA	1-11/32" Overall Height, 1/2" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS17)	24.63	9.80
08 71 16 00-0452	EA	1-11/32" Overall Height, 1/2" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS17)	24.63	9.80
08 71 16 00-0453	EA	1-11/32" Overall Height, 1/2" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS17)	25.53	9.80
08 71 16 00-0454	EA	1-11/32" Overall Height, 1/2" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS17)	25.53	9.80
08 71 16 00-0455	EA	1-11/32" Overall Height, 1/2" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS17)	25.53	9.80
08 71 16 00-0456	EA	1-11/32" Overall Height, 1/2" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS17)	25.53	9.80
08 71 16 00-0457	EA	2-1/8" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS441)	32.42	9.80
08 71 16 00-0458	EA	2-1/8" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS441)	32.82	9.80
08 71 16 00-0459	EA	2-1/8" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS441)	33.79	9.80
08 71 16 00-0460	EA	2-1/8" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS441)	34.58	9.80
08 71 16 00-0461	EA	2-1/8" Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS441)	34.58	9.80
08 71 16 00-0462	EA	2-1/8" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS441)	37.80	9.80
08 71 16 00-0463	EA	2-1/8" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS441)	37.80	9.80
08 71 16 00-0464	EA	3" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS444/448)	36.61	9.80
08 71 16 00-0465	EA	3" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS444/448)	37.18	9.80
08 71 16 00-0466	EA	3" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS444/448)	37.18	9.80
08 71 16 00-0467	EA	3" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS444/448)	37.18	9.80
08 71 16 00-0468	EA	3" Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS444/448)	37.18	9.80
08 71 16 00-0469	EA	3" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS444/448)	41.59	9.80
08 71 16 00-0470	EA	3" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS444/448)	41.59	9.80
08 71 16 00-0471	EA	1-5/16" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS430)	27.63	9.80
08 71 16 00-0472	EA	1-5/16" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS430)	28.36	9.80
08 71 16 00-0473	EA	1-5/16" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS430)	30.02	9.80
08 71 16 00-0474	EA	1-5/16" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS430)	30.02	9.80
08 71 16 00-0475	EA	1-5/16" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS430)	30.02	9.80
08 71 16 00-0476	EA	1-5/16" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS430)	30.51	9.80

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-0477		**Steel Floor Stops** *(08 71 16 00-0423)*		
08 71 16 00-0478	EA	2-5/8" Overall Height, Zinc Plated Finish, Wrought Steel Floor Stop (Ives FS434)	24.76	9.80
08 71 16 00-0479	EA	1-1/2" Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18S) Note: Includes drilling. Excludes Grout.	52.03	9.80
08 71 16 00-0480	EA	3-1/2" Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18L) Note: Includes drilling. Excludes Grout.	54.35	9.80
08 71 16 00-0481		**Wall Stops** *(08 71 16 00-0422)*		
08 71 16 00-0482		**Aluminum Wall Stops** *(08 71 16 00-0481)*		
08 71 16 00-0483	EA	3-3/4" Projection, Residential Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives 60)	9.86	3.92
08 71 16 00-0484	EA	3-3/4" Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives WS65)	14.50	5.88
08 71 16 00-0485		**Brass Wall Stops** *(08 71 16 00-0481)*		
08 71 16 00-0486	EA	3-3/4" Projection, Residential Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives 60)	14.85	3.92
08 71 16 00-0487	EA	3-3/4" Projection, Residential Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives 60)	14.85	3.92
08 71 16 00-0488	EA	3-3/4" Projection, Residential Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives 60)	14.85	3.92
08 71 16 00-0489	EA	3-3/4" Projection, Residential Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives 60)	17.02	3.92
08 71 16 00-0490	EA	3-3/4" Projection, Residential Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives 60)	17.23	3.92
08 71 16 00-0491	EA	3-3/4" Projection, Residential Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives 60)	17.23	3.92
08 71 16 00-0492	EA	3-3/4" Projection, Residential Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives 60)	17.23	3.92
08 71 16 00-0493	EA	3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS11)	37.68	5.88
08 71 16 00-0494	EA	3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS11)	38.45	5.88
08 71 16 00-0495	EA	3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS11)	38.45	5.88
08 71 16 00-0496	EA	3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS11)	38.45	5.88
08 71 16 00-0497	EA	3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS11)	38.45	5.88
08 71 16 00-0498	EA	3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS11)	38.45	5.88
08 71 16 00-0499	EA	3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS443/447)	32.28	5.88
08 71 16 00-0500	EA	3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS443/447)	36.43	5.88
08 71 16 00-0501	EA	3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS443/447)	36.43	5.88
08 71 16 00-0502	EA	3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS443/447)	36.43	5.88
08 71 16 00-0503	EA	3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS443/447)	36.43	5.88
08 71 16 00-0504	EA	3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS443/447)	37.41	5.88
08 71 16 00-0505	EA	3-3/4" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives WS443/447)	37.41	5.88
08 71 16 00-0506	EA	3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS33)	57.87	5.88
08 71 16 00-0507		**Steel Wall Stops** *(08 71 16 00-0481)*		
08 71 16 00-0508	EA	3" Projection, Residential Spring Type, Bright Brass Finish, Steel Wall Stop (Ives 63)	8.25	3.92
08 71 16 00-0509		**Hinge Pin Door Stops** *(08 71 16 00-0422)*		
08 71 16 00-0510		**Aluminum Hinge Pin Door Stops** *(08 71 16 00-0509)*		
08 71 16 00-0511	EA	Satin Aluminum Finish, Aluminum Hinge Pin Door Stop (Ives 70)	16.93	7.83
08 71 16 00-0512		**Brass Hinge Pin Door Stops** *(08 71 16 00-0509)*		
08 71 16 00-0513	EA	Satin Brass Finish, Brass Residential Hinge Pin Door Stop (Ives 72)	17.17	7.83
08 71 16 00-0514	EA	Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 73)	18.68	7.83
08 71 16 00-0515	EA	Satin Chrome Finish, Brass Hinge Pin Door Stop (Ives 70)	22.32	7.83
08 71 16 00-0516	EA	Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 70)	22.32	7.83
08 71 16 00-0517	EA	Bright Brass Finish, Brass Hinge Pin Door Stop (Ives 70)	22.32	7.83
08 71 16 00-0518	EA	Bright Chrome Finish, Brass Hinge Pin Door Stop (Ives 70)	24.02	7.83
08 71 16 00-0519	EA	Satin Bronze Finish, Brass Hinge Pin Door Stop (Ives 70)	24.02	7.83
08 71 16 00-0520	EA	Dark Bronze Finish, Brass Hinge Pin Door Stop (Ives 70)	24.02	7.83
08 71 16 00-0521	EA	Satin Nickel Finish, Brass Hinge Pin Door Stop (Ives 70)	24.02	7.83
08 71 16 00-0522		**Wall Bumpers** *(08 71 16 00-0422)*		
08 71 16 00-0523		**Brass Wall Bumpers** *(08 71 16 00-0522)*		
08 71 16 00-0524	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407)	21.96	9.80
08 71 16 00-0525	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407)	21.96	9.80
08 71 16 00-0526	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407)	21.96	9.80
08 71 16 00-0527	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407)	22.17	9.80
08 71 16 00-0528	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407)	22.17	9.80
08 71 16 00-0529	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407)	22.17	9.80
08 71 16 00-0530	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Wrought Brass Wall Bumper (Ives WS406/407)	22.17	9.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-0531	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Cast Brass Wall Bumper (Ives WS401/402)	29.17	9.80
08 71 16 00-0532	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402)	31.07	9.80
08 71 16 00-0533	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402)	31.07	9.80
08 71 16 00-0534	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Cast Brass Wall Bumper (Ives WS401/402)	31.07	9.80
08 71 16 00-0535	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402)	31.07	9.80
08 71 16 00-0536	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402)	31.07	9.80
08 71 16 00-0537	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Cast Brass Wall Bumper (Ives WS401/402)	31.49	9.80
08 71 16 00-0538		Rubber Wall Bumpers *(08 71 16 00-0522)*		
08 71 16 00-0539	EA	1-7/8" Base Diameter, Adhesive-Backed, Concave Rubber Wall Bumper (Ives WS411R-W)	21.21	9.80
08 71 16 00-0540		Holders *(08 71 16 00-0421)*		
08 71 16 00-0541		Plunger Type Door Holders *(08 71 16 00-0540)*		
08 71 16 00-0542		Aluminum Plunger Type Door Holders *(08 71 16 00-0541)*		
08 71 16 00-0543	EA	Satin Aluminum Finish, Aluminum Plunger Type Door Holder (Ives FS1153)	39.57	5.88
08 71 16 00-0544		Brass Plunger Type Door Holders *(08 71 16 00-0541)*		
08 71 16 00-0545	EA	Satin Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154)	61.94	5.88
08 71 16 00-0546	EA	Bright Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154)	61.94	5.88
08 71 16 00-0547	EA	Satin Brass Finish, Brass Plunger Type Door Holder (Ives FS1154)	61.94	5.88
08 71 16 00-0548	EA	Bright Brass Finish, Brass Plunger Type Door Holder (Ives FS1154)	61.94	5.88
08 71 16 00-0549	EA	Satin Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154)	61.94	5.88
08 71 16 00-0550	EA	Dark Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154)	61.94	5.88
08 71 16 00-0551	EA	Satin Nickel Finish, Brass Plunger Type Door Holder (Ives FS1154)	61.94	5.88
08 71 16 00-0552		Kick Down Door Holders *(08 71 16 00-0540)*		
08 71 16 00-0553		Aluminum Kick Down Door Holders *(08 71 16 00-0552)*		
08 71 16 00-0554	EA	Satin Aluminum Finish, Aluminum Kick Down Door Holder (Ives FS455)	16.29	5.88
08 71 16 00-0555		Brass Kick Down Door Holders *(08 71 16 00-0552)*		
08 71 16 00-0556	EA	Satin Brass Finish, Brass Kick Down Door Holder (Ives FS455)	30.20	5.88
08 71 16 00-0557	EA	Bright Brass Finish, Brass Kick Down Door Holder (Ives FS455)	30.20	5.88
08 71 16 00-0558	EA	Satin Bronze Finish, Brass Kick Down Door Holder (Ives FS455)	30.20	5.88
08 71 16 00-0559	EA	Satin Chrome Finish, Brass Kick Down Door Holder (Ives FS455)	33.83	5.88
08 71 16 00-0560	EA	Bright Chrome Finish, Brass Kick Down Door Holder (Ives FS455)	33.83	5.88
08 71 16 00-0561	EA	Dark Bronze Finish, Brass Kick Down Door Holder (Ives FS455)	33.83	5.88
08 71 16 00-0562	EA	Satin Nickel Finish, Brass Kick Down Door Holder (Ives FS455)	34.74	5.88
08 71 16 00-0563		Steel Kick Down Door Holders *(08 71 16 00-0552)*		
08 71 16 00-0564	EA	Steel Kick Down Door Holder (Ives FS544)	19.10	5.88
08 71 16 00-0565		Floor Mounted Door Holders *(08 71 16 00-0540)*		
08 71 16 00-0566		Brass Floor Mounted Door Holders *(08 71 16 00-0565)*		
08 71 16 00-0567	EA	Up To 1/2" Door To Floor Clearance, Satin Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	59.31	11.75
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 16 00-0568	EA	Up To 1/2" Door To Floor Clearance, Satin Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	59.31	11.75
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 16 00-0569	EA	Up To 1/2" Door To Floor Clearance, Bright Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	71.36	11.75
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 16 00-0570	EA	Up To 1/2" Door To Floor Clearance, Bright Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	71.36	11.75
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-0571	EA	Up To 1/2" Door To Floor Clearance, Satin Bronze Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	71.36	11.75
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 16 00-0572	EA	Up To 1/2" Door To Floor Clearance, Dark Bronze Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	71.36	11.75
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 16 00-0573		Wall Mounted Door Holders *(08 71 16 00-0540)*		
08 71 16 00-0574		Aluminum Wall Mounted Door Holders *(08 71 16 00-0573)*		
08 71 16 00-0575	EA	4" Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop And Manual Door Holder (Ives WS20)	49.94	6.86
08 71 16 00-0576	EA	Wall Mounted, Satin Aluminum Finish, Aluminum Automatic Door Holder (Ives WS40)	74.53	11.75
08 71 16 00-0577		Brass Wall Mounted Door Holders *(08 71 16 00-0573)*		
08 71 16 00-0578	EA	3-11/16" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	46.29	6.86
08 71 16 00-0579	EA	3-11/16" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	52.83	6.86
08 71 16 00-0580	EA	3-11/16" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	52.83	6.86
08 71 16 00-0581	EA	3-11/16" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	52.83	6.86
08 71 16 00-0582	EA	3-11/16" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	52.83	6.86
08 71 16 00-0583	EA	3-11/16" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	52.83	6.86
08 71 16 00-0584	EA	3-11/16" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	54.36	6.86
08 71 16 00-0585	EA	4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	51.76	6.86
08 71 16 00-0586	EA	4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	60.68	6.86
08 71 16 00-0587	EA	4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	60.68	6.86
08 71 16 00-0588	EA	4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	60.68	6.86
08 71 16 00-0589	EA	4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	60.68	6.86
08 71 16 00-0590	EA	4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	60.68	6.86
08 71 16 00-0591	EA	Wall Mounted, Satin Chrome Finish, Brass Automatic Door Holder (Ives WS40)	83.43	11.75
08 71 16 00-0592	EA	Wall Mounted, Bright Chrome Finish, Brass Automatic Door Holder (Ives WS40)	87.43	11.75
08 71 16 00-0593	EA	Wall Mounted, Satin Brass Finish, Brass Automatic Door Holder (Ives WS40)	87.43	11.75
08 71 16 00-0594	EA	Wall Mounted, Bright Brass Finish, Brass Automatic Door Holder (Ives WS40)	87.43	11.75
08 71 16 00-0595	EA	Wall Mounted, Satin Bronze Finish, Brass Automatic Door Holder (Ives WS40)	87.43	11.75
08 71 16 00-0596	EA	Wall Mounted, Dark Bronze Finish, Brass Automatic Door Holder (Ives WS40)	87.43	11.75
08 71 16 00-0597		Overhead Door Holders *(08 71 16 00-0540)*		
08 71 16 00-0598		Surface Mounted, Overhead Door Holders *(08 71 16 00-0597)*		
08 71 16 00-0599	EA	Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	260.99	19.58
		For Hold Open, Add	*26.36*	
08 71 16 00-0600	EA	Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	294.64	19.58
		For Hold Open, Add	*31.21*	
08 71 16 00-0601	EA	Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	294.64	19.58
		For Hold Open, Add	*31.21*	
08 71 16 00-0602	EA	Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	294.64	19.58
		For Hold Open, Add	*31.21*	
08 71 16 00-0603	EA	Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	293.50	19.58
		For Hold Open, Add	*31.05*	
08 71 16 00-0604		Heavy Duty, Surface Mounted, Overhead Door Holders *(08 71 16 00-0597)* Note: With or without hold open feature.		
08 71 16 00-0605	EA	Heavy Duty, Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	210.18	19.58
08 71 16 00-0606	EA	Heavy Duty, Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	290.52	19.58
08 71 16 00-0607	EA	Heavy Duty, Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	325.54	19.58
08 71 16 00-0608	EA	Heavy Duty, Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	325.54	19.58
08 71 16 00-0609	EA	Heavy Duty, Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	325.54	19.58
08 71 16 00-0610		Concealed Mounted, Overhead Door Holders *(08 71 16 00-0597)* Note: With or without hold open feature.		
08 71 16 00-0611	EA	Concealed Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	282.05	19.58
08 71 16 00-0612	EA	Concealed Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	282.05	19.58
08 71 16 00-0613	EA	Concealed Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	295.79	19.58
08 71 16 00-0614	EA	Concealed Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	307.46	19.58
08 71 16 00-0615	EA	Concealed Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	307.46	19.58
08 71 16 00-0616		Silencers *(08 71 16 00-0421)*		
08 71 16 00-0617	EA	Replacement Rubber Door Silencers Note: For repair / maintenance only. This task is not to be used in conjunction with new door or frame installations.	1.12	0.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-0618		**Bolts** *(08 71 16 00-0421)*		
08 71 16 00-0619		**Brass Surface Bolts** *(08 71 16 00-0618)*		
08 71 16 00-0620	EA	8" Length, Satin Chrome Finish, Brass Surface Bolt With Strike (Ives SB1640)	83.03	9.80
08 71 16 00-0621	EA	8" Length, Bright Brass Finish, Brass Surface Bolt With Strike (Ives SB1640)	88.32	9.80
08 71 16 00-0622	EA	8" Length, Dark Bronze Finish, Brass Surface Bolt With Strike (Ives SB1640)	88.32	9.80
08 71 16 00-0623		**Steel Surface Bolts** *(08 71 16 00-0618)*		
08 71 16 00-0624	EA	8" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453)	42.06	9.80
08 71 16 00-0625	EA	8" Length, Bright Brass Finish, Steel Surface Bolt With Strike (Ives SB453)	42.06	9.80
08 71 16 00-0626	EA	8" Length, Satin Brass Finish, Steel Surface Bolt With Strike (Ives SB453)	42.06	9.80
08 71 16 00-0627	EA	8" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453)	46.68	9.80
08 71 16 00-0628	EA	8" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453)	47.35	9.80
08 71 16 00-0629	EA	8" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453)	48.66	9.80
08 71 16 00-0630	EA	12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453)	48.00	9.80
08 71 16 00-0631	EA	12" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453)	49.99	9.80
08 71 16 00-0632	EA	12" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453)	52.63	9.80
08 71 16 00-0633	EA	12" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453)	54.61	9.80
08 71 16 00-0634	EA	12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB360)	81.05	9.80
08 71 16 00-0635		**Door Viewer** *(08 71 16 00-0421)*		
08 71 16 00-0636		**Brass Door Viewer** *(08 71 16 00-0635)*		
08 71 16 00-0637	EA	120 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U700)	25.89	9.80
08 71 16 00-0638	EA	120 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U700)	25.89	9.80
08 71 16 00-0639	EA	120 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U700)	25.89	9.80
08 71 16 00-0640	EA	150 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U696)	28.84	9.80
08 71 16 00-0641	EA	150 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U696)	28.84	9.80
08 71 16 00-0642	EA	150 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U696)	28.84	9.80
08 71 16 00-0643	EA	190 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Wide Angle Door Viewer (Ives U698)	32.48	9.80
08 71 16 00-0644	EA	190 Degree Angle Of View, Bright Brass Finish, Brass One-Way Wide Angle Door Viewer (Ives U698)	32.48	9.80
08 71 16 00-0645		**Door Knockers** *(08 71 16 00-0421)*		
08 71 16 00-0646		**Brass Door Knockers** *(08 71 16 00-0645)*		
08 71 16 00-0647	EA	5-15/16" Length, 3" Width, Bright Brass Finish, Brass Door Knocker (Ives 3125)	35.00	9.80
08 71 16 00-0648	EA	5-15/16" Length, 3" Width, Satin Chrome Finish, Brass Door Knocker (Ives 3125)	37.80	9.80
08 71 16 00-0649	EA	5-15/16" Length, 3" Width, Bright Chrome Finish, Brass Door Knocker (Ives 3125)	37.80	9.80
08 71 16 00-0650	EA	5-15/16" Length, 3" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3125)	37.80	9.80
08 71 16 00-0651	EA	8-1/2" Length, 4-1/8" Width, Bright Brass Finish, Brass Door Knocker (Ives 3107)	48.44	9.80
08 71 16 00-0652	EA	8-1/2" Length, 4-1/8" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3107)	55.21	9.80
08 71 16 00-0653		**Hasps** *(08 71 16 00-0421)*		
08 71 16 00-0654	EA	3-1/4", Zinc Plated Finish, Steel Hasp Assembly	18.60	7.39
08 71 16 00-0655	EA	4-1/2", Zinc Plated Finish, Steel Hasp Assembly	19.80	7.83
08 71 16 00-0656	EA	6", Zinc Plated Finish, Steel Hasp Assembly	24.34	8.81
08 71 16 00-0657	EA	6", Zinc Plated Finish, Steel High Security Hasp Assembly	79.29	10.57
08 71 16 00-0658		**Flush Bolts** *(08 71 16 00-0421)*		
08 71 16 00-0659		**Flush Bolts For Metal Doors** *(08 71 16 00-0658)*		
08 71 16 00-0660		**Brass Flush Bolts For Metal Doors** *(08 71 16 00-0659)*		
08 71 16 00-0661		**Manual, Brass Flush Bolts For Metal Doors** *(08 71 16 00-0660)* Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.		
08 71 16 00-0662	EA	Top Or Bottom Bolt, Manual, Brass Flush Bolt For Metal Doors (Ives FB457/458)	34.13	9.80
08 71 16 00-0663		**Automatic, Brass Flush Bolts For Metal Doors** *(08 71 16 00-0660)* Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 16 00-0664	EA	Top Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31T)	72.32	9.80
08 71 16 00-0665	EA	Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31B)	72.32	9.80
08 71 16 00-0666	EA	Top And Bottom Bolt, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31P)	131.27	15.67
08 71 16 00-0667	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Metal Doors (Ives FB32)	127.36	13.71
08 71 16 00-0668	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Brass Flush Bolt For Metal Doors (Ives FB33)	132.63	14.69
08 71 16 00-0669		**Constant Latching, Brass Flush Bolts For Metal Doors** *(08 71 16 00-0660)* Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 16 00-0670	EA	Top Bolt Only, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51T)	71.73	9.80
08 71 16 00-0671	EA	Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51P)	131.27	15.67
08 71 16 00-0672	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB52)	127.36	13.71
08 71 16 00-0673	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB53)	132.63	14.69

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-0674		Stainless Steel Flush Bolts For Metal Doors *(08 71 16 00-0659)*		
08 71 16 00-0675		Automatic, Stainless Steel Flush Bolts For Metal Doors *(08 71 16 00-0674)*		
		Note: Includes stainless steel construction with bright or satin finish.		
08 71 16 00-0676	EA	Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31T)	72.32	9.80
08 71 16 00-0677	EA	Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31B)	72.32	9.80
08 71 16 00-0678	EA	Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31P)	131.27	15.67
08 71 16 00-0679	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB32)	127.36	13.71
08 71 16 00-0680	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB33)	132.63	14.69
08 71 16 00-0681		Constant Latching, Stainless Steel Flush Bolts For Metal Doors *(08 71 16 00-0674)*		
		Note: Includes stainless steel construction with bright or satin finish.		
08 71 16 00-0682	EA	Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51T)	71.73	9.80
08 71 16 00-0683	EA	Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51P)	131.27	15.67
08 71 16 00-0684	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB52)	127.36	13.71
08 71 16 00-0685	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB53)	132.63	14.69
08 71 16 00-0686		Flush Bolts For Wood Doors *(08 71 16 00-0658)*		
08 71 16 00-0687		Brass Flush Bolts For Wood Doors *(08 71 16 00-0686)*		
08 71 16 00-0688		Manual, Brass Flush Bolts For Wood Doors *(08 71 16 00-0687)*		
		Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.		
08 71 16 00-0689	EA	Top Or Bottom Bolt, Manual, Brass Flush Bolt For Wood Doors (Ives FB358)	39.07	9.80
08 71 16 00-0690		Automatic, Brass Flush Bolts For Wood Doors *(08 71 16 00-0687)*		
		Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 16 00-0691	EA	Top Bolt Only, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41T)	74.89	9.80
08 71 16 00-0692	EA	Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB41B)	74.89	9.80
08 71 16 00-0693	EA	Top And Bottom Bolt, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41P)	136.82	15.67
08 71 16 00-0694	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Wood Doors (Ives FB42)	132.91	13.71
08 71 16 00-0695		Constant Latching, Brass Flush Bolts For Wood Doors *(08 71 16 00-0687)*		
		Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 16 00-0696	EA	Top Bolt Only, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61T)	74.38	9.80
08 71 16 00-0697	EA	Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61P)	136.82	15.67
08 71 16 00-0698	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB62)	132.91	13.71
08 71 16 00-0699		Stainless Steel Flush Bolts For Wood Doors *(08 71 16 00-0686)*		
08 71 16 00-0700		Automatic, Stainless Steel Flush Bolts For Wood Doors *(08 71 16 00-0699)*		
		Note: Includes stainless steel construction with bright or satin finish.		
08 71 16 00-0701	EA	Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41T)	74.89	9.80
08 71 16 00-0702	EA	Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB41B)	74.89	9.80
08 71 16 00-0703	EA	Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41P)	136.82	15.67
08 71 16 00-0704	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB42)	132.91	13.71
08 71 16 00-0705		Constant Latching, Stainless Steel Flush Bolts For Wood Doors *(08 71 16 00-0699)*		
		Note: Includes stainless steel construction with bright or satin finish.		
08 71 16 00-0706	EA	Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61T)	74.38	9.80
08 71 16 00-0707	EA	Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61P)	136.82	15.67
08 71 16 00-0708	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB62)	132.91	13.71
08 71 16 00-0709		Dust Proof Strikes *(08 71 16 00-0658)*		
08 71 16 00-0710	EA	Satin Brass Finish, Brass Dust Proof Strike (Ives DP1)	29.82	7.83
08 71 16 00-0711	EA	Satin Chrome Finish, Brass Dust Proof Strike (Ives DP1)	29.82	7.83
08 71 16 00-0712	EA	Bright Brass Finish, Brass Dust Proof Strike (Ives DP1)	29.82	7.83
08 71 16 00-0713	EA	Satin Bronze Finish, Brass Dust Proof Strike (Ives DP1)	29.82	7.83
08 71 16 00-0714	EA	Dark Bronze Finish, Brass Dust Proof Strike (Ives DP1)	29.82	7.83
08 71 16 00-0715	EA	Satin Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2)	33.51	7.83
08 71 16 00-0716	EA	Satin Chrome Finish, Brass Dust Proof Strike With Plate (Ives DP2)	33.51	7.83
08 71 16 00-0717	EA	Satin Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2)	33.51	7.83
08 71 16 00-0718	EA	Bright Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2)	33.51	7.83
08 71 16 00-0719	EA	Dark Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2)	33.51	7.83
08 71 16 00-0720		Roller Bumpers *(08 71 16 00-0421)*		
08 71 16 00-0721		Brass Roller Bumpers *(08 71 16 00-0720)*		
08 71 16 00-0722	EA	5" Length, Bright Brass Finish, Brass Offset Arm Roller Bumper (Ives RB470)	29.49	5.88
08 71 16 00-0723	EA	5" Length, Satin Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470)	33.91	5.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-0724	EA	5" Length, Bright Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470)	33.91	5.88
08 71 16 00-0725	EA	4-1/2" Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471)	28.49	5.88
08 71 16 00-0726	EA	4-1/2" Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471)	31.86	5.88
08 71 16 00-0727	EA	4-1/2" Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471)	31.86	5.88
08 71 16 00-0728	EA	4-1/2" Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471)	31.86	5.88
08 71 16 00-0729	EA	6" Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472)	29.56	5.88
08 71 16 00-0730	EA	6" Length, Satin Nickel Finish, Brass Straight Arm Roller Bumper (Ives RB472)	31.94	5.88
08 71 16 00-0731	EA	6" Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472)	33.06	5.88
08 71 16 00-0732	EA	6" Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472)	33.06	5.88
08 71 16 00-0733	EA	6" Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472)	33.06	5.88
08 71 16 00-0734	EA	6" Length, Satin Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472)	33.06	5.88
08 71 16 00-0735	EA	6" Length, Dark Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472)	33.06	5.88

08 71 16 00-0736 Other Door Trim *(08 71 16 00-0421)*

08 71 16 00-0737 Coat And Hat Hooks *(08 71 16 00-0736)*

08 71 16 00-0738 Aluminum Coat And Hat Hooks *(08 71 16 00-0737)*

08 71 16 00-0739	EA	1-1/4" Height, 1-1/4" Width, Bright Brass Finish, Aluminum Wardrobe Hook (Ives 581)	13.14	5.88
08 71 16 00-0740	EA	1-1/4" Height, 1-1/4" Width, Aluminum Finish, Aluminum Wardrobe Hook (Ives 581)	13.14	5.88
08 71 16 00-0741	EA	1-1/4" Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Wardrobe Hook (Ives 581)	13.22	5.88
08 71 16 00-0742	EA	1-3/4" Height, 1-1/4" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 571)	13.09	5.88
08 71 16 00-0743	EA	1-3/4" Height, 1-1/4" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 571)	13.09	5.88
08 71 16 00-0744	EA	1-3/4" Height, 1-1/4" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 571)	13.09	5.88
08 71 16 00-0745	EA	1-3/4" Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Coat And Hat Hook (Ives 571)	13.22	5.88
08 71 16 00-0746	EA	1-1/2" Height, 2-1/2" Width, Satin Brass Finish, Aluminum Coat And Hat Hook (Ives 405)	13.64	5.88
08 71 16 00-0747	EA	1-1/2" Height, 2-1/2" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 405)	13.64	5.88
08 71 16 00-0748	EA	1-1/2" Height, 2-1/2" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 405)	13.64	5.88
08 71 16 00-0749	EA	1-1/2" Height, 2-1/2" Width, Dark Bronze Finish, Aluminum Coat And Hat Hook (Ives 405)	13.64	5.88
08 71 16 00-0750	EA	1-1/2" Height, 2-1/2" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 405)	13.64	5.88

08 71 16 00-0751 Brass Coat And Hat Hooks *(08 71 16 00-0737)*

08 71 16 00-0752	EA	1-1/4" Height, 1-1/4" Width, Bright Brass Finish, Brass Wardrobe Hook (Ives 581)	15.39	5.88
08 71 16 00-0753	EA	1-1/4" Height, 1-1/4" Width, Satin Brass Finish, Brass Wardrobe Hook (Ives 581)	15.60	5.88
08 71 16 00-0754	EA	1-1/4" Height, 1-1/4" Width, Dark Bronze Finish, Brass Wardrobe Hook (Ives 581)	15.95	5.88
08 71 16 00-0755	EA	1-1/4" Height, 1-1/4" Width, Satin Chrome Finish, Brass Wardrobe Hook (Ives 581)	15.95	5.88
08 71 16 00-0756	EA	1-1/4" Height, 1-1/4" Width, Satin Nickel Finish, Brass Wardrobe Hook (Ives 581)	16.17	5.88
08 71 16 00-0757	EA	1-3/4" Height, 1-1/4" Width, Bright Brass Finish, Brass Coat And Hat Hook (Ives 571)	16.86	5.88
08 71 16 00-0758	EA	1-3/4" Height, 1-1/4" Width, Satin Brass Finish, Brass Coat And Hat Hook (Ives 571)	17.85	5.88
08 71 16 00-0759	EA	1-3/4" Height, 1-1/4" Width, Dark Bronze Finish, Brass Coat And Hat Hook (Ives 571)	17.85	5.88
08 71 16 00-0760	EA	1-3/4" Height, 1-1/4" Width, Satin Chrome Finish, Brass Coat And Hat Hook (Ives 571)	17.85	5.88
08 71 16 00-0761	EA	1-3/4" Height, 1-1/4" Width, Satin Nickel Finish, Brass Coat And Hat Hook (Ives 571)	18.07	5.88

08 71 16 00-0762 Door Plates And Pulls *(08 71 16)*

08 71 16 00-0763 Kick Plate *(08 71 16 00-0762)*

Note: Ives 8400.

08 71 16 00-0764 Aluminum Base Material Kick Plate *(08 71 16 00-0763)*

08 71 16 00-0765 Satin Aluminum Finish, Aluminum Kick Plate *(08 71 16 00-0764)*

08 71 16 00-0766	EA	8" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	34.43	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0767	EA	8" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	35.44	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0768	EA	8" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	36.42	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0769	EA	8" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	16.27	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0770	EA	8" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	39.99	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0771	EA	8" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	40.97	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0772	EA	8" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	41.97	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-0773	EA	8" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	42.96	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0774	EA	8" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	45.51	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0775	EA	8" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	46.51	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0776	EA	8" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	47.49	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0777	EA	8" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	50.07	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0778	EA	8" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	51.07	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0779	EA	8" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	52.05	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0780	EA	10" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	37.18	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0781	EA	10" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	38.42	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0782	EA	10" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	39.65	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0783	EA	10" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	40.90	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0784	EA	10" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	43.71	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0785	EA	10" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	44.95	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0786	EA	10" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	46.20	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0787	EA	10" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	47.43	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0788	EA	10" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	50.24	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0789	EA	10" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	51.48	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0790	EA	10" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	52.72	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0791	EA	10" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	55.54	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0792	EA	10" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	56.77	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0793	EA	10" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	58.01	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-0794	EA	12" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	39.91	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0795	EA	12" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	41.39	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0796	EA	12" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	42.90	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0797	EA	12" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	44.36	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0798	EA	12" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	47.43	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0799	EA	12" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	48.92	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0800	EA	12" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	50.41	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0801	EA	12" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	51.91	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0802	EA	12" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	54.96	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0803	EA	12" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	56.44	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0804	EA	12" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	57.94	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0805	EA	12" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	61.00	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0806	EA	12" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	62.49	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0807	EA	12" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	63.99	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0808	EA	14" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	44.19	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0809	EA	14" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	45.93	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0810	EA	14" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	47.70	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0811	EA	14" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	49.44	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0812	EA	14" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	52.72	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0813	EA	14" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	54.46	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0814	EA	14" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	56.20	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-0815	EA	14" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	57.94	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0816	EA	14" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	61.25	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0817	EA	14" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	62.98	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0818	EA	14" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	64.72	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0819	EA	14" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	68.02	7.44
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0820	EA	14" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	69.77	7.44
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0821	EA	14" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	71.51	7.44
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0822	EA	16" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	46.94	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0823	EA	16" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	48.92	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0824	EA	16" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	50.92	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0825	EA	16" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	52.90	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0826	EA	16" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	54.46	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0827	EA	16" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	58.45	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0828	EA	16" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	60.44	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0829	EA	16" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	62.42	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0830	EA	16" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	65.97	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0831	EA	16" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	67.97	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0832	EA	16" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	69.95	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0833	EA	16" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	73.49	7.44
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0834	EA	16" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	75.48	7.44
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0835	EA	16" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	77.49	7.44
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-0836	EA	18" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	51.24	6.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0837	EA	18" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	53.63	6.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0838	EA	18" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	56.01	6.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0839	EA	18" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	58.39	6.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0840	EA	18" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	62.32	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0841	EA	18" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	64.70	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0842	EA	18" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	67.08	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0843	EA	18" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	69.46	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0844	EA	18" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	73.41	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0845	EA	18" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	75.79	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0846	EA	18" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	78.17	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0847	EA	18" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	82.11	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0848	EA	18" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	84.49	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0849	EA	18" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	86.87	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0850	EA	20" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	55.71	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0851	EA	20" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	58.36	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0852	EA	20" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	61.00	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0853	EA	20" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	63.64	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0854	EA	20" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	67.86	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0855	EA	20" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	70.50	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0856	EA	20" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	73.14	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-0857	EA	20" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	75.79	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0858	EA	20" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	79.99	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0859	EA	20" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	82.64	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0860	EA	20" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	85.28	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0861	EA	20" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	89.49	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0862	EA	20" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	92.14	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0863	EA	20" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	94.78	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0864	EA	22" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	58.62	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0865	EA	22" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	61.53	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0866	EA	22" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	64.43	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0867	EA	22" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	67.34	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0868	EA	22" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	71.83	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0869	EA	22" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	74.74	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0870	EA	22" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	77.64	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0871	EA	22" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	80.55	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0872	EA	22" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	85.02	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0873	EA	22" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	87.92	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0874	EA	22" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	90.83	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0875	EA	22" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	95.31	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0876	EA	22" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	98.21	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0877	EA	22" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	101.12	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-0878	EA	24" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	61.53	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0879	EA	24" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	64.70	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0880	EA	24" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	67.88	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0881	EA	24" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	71.05	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0882	EA	24" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	75.79	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0883	EA	24" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	78.96	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0884	EA	24" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	82.13	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0885	EA	24" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	85.31	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0886	EA	24" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	90.04	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0887	EA	24" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	93.21	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0888	EA	24" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	96.38	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0889	EA	24" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	101.12	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0890	EA	24" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	104.30	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0891	EA	24" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	107.47	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

08 71 16 00-0892 Brass Base Material Kick Plate *(08 71 16 00-0763)*

08 71 16 00-0893 Bright/Satin Brass Finish, Brass Kick Plate *(08 71 16 00-0892)*

08 71 16 00-0894	EA	8" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	59.68	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0895	EA	8" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	62.96	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0896	EA	8" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	66.26	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0897	EA	8" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	69.54	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0898	EA	8" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	74.40	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0899	EA	8" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	77.71	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-0900	EA	8" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	80.99	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0901	EA	8" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	84.27	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0902	EA	8" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	89.12	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0903	EA	8" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	92.40	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0904	EA	8" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	95.69	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0905	EA	8" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	100.54	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0906	EA	8" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	103.85	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0907	EA	8" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	107.14	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0908	EA	10" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	68.73	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0909	EA	10" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	72.83	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0910	EA	10" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	76.95	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0911	EA	10" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	81.06	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0912	EA	10" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	86.72	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0913	EA	10" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	90.84	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0914	EA	10" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	94.96	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0915	EA	10" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	99.07	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0916	EA	10" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	104.73	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0917	EA	10" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	108.85	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0918	EA	10" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	112.97	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0919	EA	10" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	118.64	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0920	EA	10" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	122.76	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-0921	EA	10" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	126.87	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0922	EA	12" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	77.75	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0923	EA	12" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	82.70	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0924	EA	12" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	87.63	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0925	EA	12" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	92.56	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0926	EA	12" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	99.07	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0927	EA	12" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	104.01	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0928	EA	12" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	108.94	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0929	EA	12" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	113.86	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0930	EA	12" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	120.38	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0931	EA	12" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	125.30	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0932	EA	12" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	130.23	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0933	EA	12" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	136.73	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0934	EA	12" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	141.65	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0935	EA	12" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	146.61	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0936	EA	14" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	88.38	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0937	EA	14" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	94.13	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0938	EA	14" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	99.89	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0939	EA	14" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	105.65	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0940	EA	14" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	112.97	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0941	EA	14" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	118.73	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-0942	EA	14" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	124.47	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0943	EA	14" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	130.23	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0944	EA	14" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	137.56	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0945	EA	14" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	143.31	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0946	EA	14" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	149.06	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0947	EA	14" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	156.38	7.44
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0948	EA	14" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	162.14	7.44
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0949	EA	14" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	167.90	7.44
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0950	EA	16" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	97.41	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0951	EA	16" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	104.01	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0952	EA	16" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	110.58	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0953	EA	16" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	117.17	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0954	EA	16" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	125.30	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0955	EA	16" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	131.87	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0956	EA	16" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	138.45	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0957	EA	16" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	145.04	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0958	EA	16" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	153.18	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0959	EA	16" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	159.75	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0960	EA	16" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	166.34	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0961	EA	16" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	174.47	7.44
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0962	EA	16" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	181.04	7.44
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-0963	EA	16" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	187.63	7.44
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0964	EA	18" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	132.13	6.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0965	EA	18" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	141.85	6.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0966	EA	18" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	151.57	6.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0967	EA	18" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	161.32	6.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0968	EA	18" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	172.61	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0969	EA	18" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	182.33	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0970	EA	18" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	192.08	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0971	EA	18" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	201.80	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0972	EA	18" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	213.12	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0973	EA	18" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	222.85	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0974	EA	18" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	232.56	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0975	EA	18" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	243.87	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0976	EA	18" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	253.59	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0977	EA	18" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	263.32	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0978	EA	20" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	145.58	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0979	EA	20" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	156.38	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0980	EA	20" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	167.21	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0981	EA	20" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	178.00	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0982	EA	20" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	190.40	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0983	EA	20" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	201.21	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-0984	EA	20" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	212.02	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0985	EA	20" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	222.85	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0986	EA	20" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	235.20	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0987	EA	20" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	246.02	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0988	EA	20" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	256.84	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0989	EA	20" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	269.21	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0990	EA	20" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	280.04	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0991	EA	20" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	290.83	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0992	EA	22" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	157.48	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0993	EA	22" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	169.36	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0994	EA	22" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	181.25	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0995	EA	22" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	193.15	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0996	EA	22" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	206.62	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0997	EA	22" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	218.52	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0998	EA	22" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	230.41	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-0999	EA	22" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	242.31	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1000	EA	22" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	255.75	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1001	EA	22" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	267.64	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1002	EA	22" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	279.55	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1003	EA	22" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	293.01	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1004	EA	22" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	304.91	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1005	EA	22" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	316.78	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1006	EA	24" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	169.36	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1007	EA	24" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	182.33	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1008	EA	24" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	195.32	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1009	EA	24" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	208.30	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1010	EA	24" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	222.85	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1011	EA	24" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	235.81	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1012	EA	24" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	248.79	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1013	EA	24" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	262.48	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1014	EA	24" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	276.30	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1015	EA	24" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	289.26	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1016	EA	24" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	302.24	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1017	EA	24" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	316.78	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1018	EA	24" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	329.78	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1019	EA	24" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	342.75	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

08 71 16 00-1020 Bright/Satin Chrome Finish, Brass Kick Plate *(08 71 16 00-0892)*

08 71 16 00-1021	EA	8" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	63.40	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1022	EA	8" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	67.03	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1023	EA	8" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	70.65	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1024	EA	8" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	74.28	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1025	EA	8" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	79.48	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1026	EA	8" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	83.10	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1027	EA	8" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	86.72	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1028	EA	8" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	90.35	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1029	EA	8" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	95.54	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1030	EA	8" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	99.18	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1031	EA	8" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	102.81	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1032	EA	8" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	108.01	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1033	EA	8" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	111.63	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1034	EA	8" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	115.26	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1035	EA	10" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	73.38	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1036	EA	10" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	77.91	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1037	EA	10" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	82.44	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1038	EA	10" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	86.97	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1039	EA	10" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	93.09	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1040	EA	10" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	97.62	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1041	EA	10" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	102.15	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1042	EA	10" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	106.68	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1043	EA	10" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	112.78	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1044	EA	10" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	117.31	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1045	EA	10" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	121.84	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1046	EA	10" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	127.94	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1047	EA	10" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	132.48	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1048	EA	10" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	137.01	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1049	EA	12" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	83.35	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1050	EA	12" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	88.78	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1051	EA	12" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	94.24	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1052	EA	12" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	99.68	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1053	EA	12" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	106.68	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1054	EA	12" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	112.13	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1055	EA	12" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	117.57	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1056	EA	12" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	123.00	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1057	EA	12" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	130.00	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1058	EA	12" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	135.44	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1059	EA	12" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	140.89	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1060	EA	12" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	147.89	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1061	EA	12" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	153.35	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1062	EA	12" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	158.79	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1063	EA	14" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	94.88	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1064	EA	14" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	101.25	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1065	EA	14" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	107.60	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1066	EA	14" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	113.94	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1067	EA	14" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	121.84	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1068	EA	14" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	128.19	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1069	EA	14" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	134.53	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1070	EA	14" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	140.89	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1071	EA	14" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	148.82	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1072	EA	14" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	155.16	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1073	EA	14" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	161.50	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1074	EA	14" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	157.97	7.44
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1075	EA	14" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	175.75	7.44
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1076	EA	14" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	182.10	7.44
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1077	EA	16" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	104.88	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1078	EA	16" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	112.13	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1079	EA	16" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	119.38	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1080	EA	16" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	126.63	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1081	EA	16" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	135.44	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1082	EA	16" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	142.72	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1083	EA	16" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	149.96	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1084	EA	16" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	157.22	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1085	EA	16" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	166.03	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1086	EA	16" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	173.29	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1087	EA	16" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	180.54	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1088	EA	16" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	189.35	7.44
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1089	EA	16" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	196.62	7.44
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1090	EA	16" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	203.87	7.44
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1091	EA	18" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	144.42	6.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1092	EA	18" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	155.28	6.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1093	EA	18" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	166.12	6.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1094	EA	18" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	176.98	6.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1095	EA	18" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	189.38	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1096	EA	18" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	200.23	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1097	EA	18" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	211.08	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1098	EA	18" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	221.93	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1099	EA	18" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	234.34	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1100	EA	18" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	245.20	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1101	EA	18" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	256.06	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1102	EA	18" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	268.46	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1103	EA	18" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	279.32	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1104	EA	18" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	290.16	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1105	EA	20" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	159.23	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1106	EA	20" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	171.31	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1107	EA	20" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	183.35	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1108	EA	20" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	195.42	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1109	EA	20" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	209.03	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1110	EA	20" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	221.08	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1111	EA	20" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	233.15	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1112	EA	20" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	245.20	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1113	EA	20" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	258.83	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1114	EA	20" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	270.87	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1115	EA	20" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	282.92	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1116	EA	20" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	296.56	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1117	EA	20" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	308.61	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1118	EA	20" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	320.67	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1119	EA	22" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	172.50	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1120	EA	22" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	185.77	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1121	EA	22" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	199.03	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1122	EA	22" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	212.28	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1123	EA	22" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	227.13	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1124	EA	22" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	240.38	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1125	EA	22" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	253.64	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1126	EA	22" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	266.90	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1127	EA	22" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	281.73	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1128	EA	22" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	294.99	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1129	EA	22" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	308.25	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1130	EA	22" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	323.07	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1131	EA	22" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	336.33	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1132	EA	22" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	349.60	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1133	EA	24" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	185.77	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1134	EA	24" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	200.23	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1135	EA	24" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	214.69	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1136	EA	24" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	229.16	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1137	EA	24" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	245.20	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1138	EA	24" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	259.66	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1139	EA	24" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	274.15	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1140	EA	24" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	288.60	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1141	EA	24" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	304.62	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1142	EA	24" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	319.10	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1143	EA	24" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	333.57	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1144	EA	24" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	349.60	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1145	EA	24" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	364.07	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1146	EA	24" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	378.54	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

08 71 16 00-1147 Satin/Dark Bronze Finish, Brass Kick Plate *(08 71 16 00-0892)*

08 71 16 00-1148	EA	8" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	64.11	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1149	EA	8" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	67.78	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1150	EA	8" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	71.49	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1151	EA	8" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	75.16	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1152	EA	8" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	80.44	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1153	EA	8" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	84.13	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1154	EA	8" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	87.82	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1155	EA	8" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	91.51	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1156	EA	8" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	96.74	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1157	EA	8" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	100.45	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1158	EA	8" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	104.14	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1159	EA	8" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	109.40	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1160	EA	8" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	113.09	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1161	EA	8" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	116.78	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1162	EA	10" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	74.25	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1163	EA	10" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	78.87	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1164	EA	10" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	83.47	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1165	EA	10" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	88.08	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1166	EA	10" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	94.27	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1167	EA	10" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	98.89	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1168	EA	10" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	103.49	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1169	EA	10" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	108.10	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1170	EA	10" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	114.29	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1171	EA	10" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	118.90	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1172	EA	10" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	123.50	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1173	EA	10" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	129.71	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1174	EA	10" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	134.31	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1175	EA	10" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	138.92	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1176	EA	12" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	84.40	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1177	EA	12" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	89.94	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1178	EA	12" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	95.47	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1179	EA	12" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	101.01	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1180	EA	12" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	108.10	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1181	EA	12" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	113.65	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1182	EA	12" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	119.19	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1183	EA	12" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	124.72	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1184	EA	12" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	131.82	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1185	EA	12" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	137.35	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1186	EA	12" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	142.88	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1187	EA	12" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	149.99	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1188	EA	12" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	155.54	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1189	EA	12" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	161.06	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1190	EA	14" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	96.11	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1191	EA	14" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	102.58	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1192	EA	14" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	109.03	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1193	EA	14" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	115.49	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1194	EA	14" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	123.50	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1195	EA	14" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	129.97	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1196	EA	14" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	136.42	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1197	EA	14" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	142.88	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1198	EA	14" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	150.91	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1199	EA	14" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	157.37	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1200	EA	14" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	163.82	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1201	EA	14" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	171.85	7.44
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1202	EA	14" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	178.33	7.44
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1203	EA	14" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	184.78	7.44
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1204	EA	16" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	106.27	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1205	EA	16" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	113.65	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1206	EA	16" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	121.02	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1207	EA	16" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	128.41	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1208	EA	16" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	137.35	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1209	EA	16" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	144.73	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1210	EA	16" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	152.11	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1211	EA	16" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	159.49	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1212	EA	16" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	168.46	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1213	EA	16" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	175.84	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1214	EA	16" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	183.22	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1215	EA	16" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	192.14	7.44
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1216	EA	16" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	199.54	7.44
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1217	EA	16" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	206.92	7.44
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1218	EA	18" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	144.42	6.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1219	EA	18" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	155.28	6.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1220	EA	18" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	166.12	6.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1221	EA	18" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	176.98	6.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1222	EA	18" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	189.38	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1223	EA	18" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	200.23	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1224	EA	18" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	211.08	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1225	EA	18" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	221.93	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1226	EA	18" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	234.34	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1227	EA	18" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	245.20	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1228	EA	18" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	256.06	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1229	EA	18" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	268.46	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1230	EA	18" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	279.32	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1231	EA	18" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	290.16	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1232	EA	20" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	159.23	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1233	EA	20" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	171.31	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1234	EA	20" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	183.35	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1235	EA	20" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	195.42	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1236	EA	20" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	209.03	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1237	EA	20" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	221.08	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1238	EA	20" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	233.15	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1239	EA	20" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	245.20	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1240	EA	20" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	258.83	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1241	EA	20" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	270.87	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1242	EA	20" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	282.92	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1243	EA	20" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	296.56	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1244	EA	20" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	308.61	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1245	EA	20" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	320.67	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1246	EA	22" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	172.50	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1247	EA	22" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	185.77	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1248	EA	22" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	199.03	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1249	EA	22" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	212.28	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1250	EA	22" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	227.13	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1251	EA	22" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	240.38	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1252	EA	22" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	253.64	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1253	EA	22" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	266.90	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1254	EA	22" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	281.73	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1255	EA	22" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	294.99	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1256	EA	22" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	308.25	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1257	EA	22" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	323.07	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1258	EA	22" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	336.33	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1259	EA	22" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	349.60	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1260	EA	24" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	185.77	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1261	EA	24" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	200.23	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1262	EA	24" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	214.69	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1263	EA	24" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	229.16	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1264	EA	24" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	245.20	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1265	EA	24" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	259.66	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1266	EA	24" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	274.15	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1267	EA	24" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	288.60	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1268	EA	24" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	304.62	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1269	EA	24" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	319.10	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1270	EA	24" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	333.57	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1271	EA	24" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	349.60	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1272	EA	24" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	364.07	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1273	EA	24" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	378.54	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

08 71 16 00-1274 Satin Nickel Finish, Brass Kick Plate *(08 71 16 00-0892)*

08 71 16 00-1275	EA	8" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	64.11	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1276	EA	8" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	67.78	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1277	EA	8" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	71.49	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1278	EA	8" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	75.16	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1279	EA	8" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	80.44	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1280	EA	8" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	84.13	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1281	EA	8" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	87.82	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1282	EA	8" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	91.51	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1283	EA	8" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	96.74	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1284	EA	8" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	100.45	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1285	EA	8" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	104.14	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1286	EA	8" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	109.40	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1287	EA	8" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	113.09	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1288	EA	8" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	116.78	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1289	EA	10" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	74.25	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1290	EA	10" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	78.87	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1291	EA	10" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	83.47	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1292	EA	10" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	88.08	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1293	EA	10" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	94.27	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1294	EA	10" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	98.89	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1295	EA	10" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	103.49	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1296	EA	10" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	108.10	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1297	EA	10" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	114.29	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1298	EA	10" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	118.90	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1299	EA	10" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	123.50	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1300	EA	10" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	129.71	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1301	EA	10" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	134.31	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1302	EA	10" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	138.92	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1303	EA	12" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	84.40	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1304	EA	12" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	89.94	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1305	EA	12" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	95.47	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1306	EA	12" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	101.01	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1307	EA	12" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	108.10	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1308	EA	12" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	113.65	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1309	EA	12" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	119.19	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1310	EA	12" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	124.72	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1311	EA	12" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	131.82	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1312	EA	12" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	137.35	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1313	EA	12" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	142.88	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1314	EA	12" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	149.99	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1315	EA	12" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	155.54	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1316	EA	12" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	161.06	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1317	EA	14" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	96.11	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1318	EA	14" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	102.58	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1319	EA	14" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	109.03	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1320	EA	14" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	115.49	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1321	EA	14" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	123.50	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1322	EA	14" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	129.97	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1323	EA	14" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	136.42	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1324	EA	14" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	142.88	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1325	EA	14" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	150.91	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1326	EA	14" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	157.37	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1327	EA	14" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	163.82	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1328	EA	14" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	171.85	7.44
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1329	EA	14" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	178.33	7.44
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1330	EA	14" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	184.78	7.44
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1331	EA	16" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	106.27	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1332	EA	16" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	113.65	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1333	EA	16" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	121.02	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1334	EA	16" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	128.41	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1335	EA	16" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	137.35	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1336	EA	16" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	144.73	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1337	EA	16" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	152.11	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1338	EA	16" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	159.49	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1339	EA	16" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	168.46	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1340	EA	16" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	175.84	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1341	EA	16" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	183.22	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1342	EA	16" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	192.14	7.44
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1343	EA	16" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	199.54	7.44
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1344	EA	16" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	206.92	7.44
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1345	EA	18" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	144.42	6.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1346	EA	18" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	155.28	6.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1347	EA	18" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	166.12	6.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1348	EA	18" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	176.98	6.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1349	EA	18" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	189.38	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1350	EA	18" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	200.23	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1351	EA	18" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	211.08	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1352	EA	18" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	221.93	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1353	EA	18" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	234.34	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1354	EA	18" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	245.20	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1355	EA	18" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	256.06	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1356	EA	18" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	268.46	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1357	EA	18" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	279.32	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1358	EA	18" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	290.16	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1359	EA	20" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	159.23	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1360	EA	20" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	171.31	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1361	EA	20" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	183.35	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1362	EA	20" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	195.42	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1363	EA	20" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	209.03	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1364	EA	20" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	221.08	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1365	EA	20" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	233.15	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1366	EA	20" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	245.20	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1367	EA	20" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	258.83	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1368	EA	20" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	270.87	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1369	EA	20" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	282.92	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1370	EA	20" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	296.56	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1371	EA	20" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	308.61	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1372	EA	20" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	320.67	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1373	EA	22" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	172.50	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1374	EA	22" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	185.77	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1375	EA	22" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	199.03	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1376	EA	22" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	212.28	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1377	EA	22" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	227.13	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1378	EA	22" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	240.38	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1379	EA	22" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	253.64	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1380	EA	22" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	266.90	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1381	EA	22" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	281.73	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1382	EA	22" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	294.99	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1383	EA	22" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	308.25	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1384	EA	22" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	323.07	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1385	EA	22" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	336.33	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1386	EA	22" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	349.60	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1387	EA	24" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	185.77	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1388	EA	24" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	200.23	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1389	EA	24" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	214.69	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1390	EA	24" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	229.16	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1391	EA	24" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	245.20	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1392	EA	24" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	259.66	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1393	EA	24" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	274.15	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1394	EA	24" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	288.60	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1395	EA	24" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	304.62	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1396	EA	24" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	319.10	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1397	EA	24" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	333.57	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1398	EA	24" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	349.60	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1399	EA	24" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	364.07	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1400	EA	24" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	378.54	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1401		Stainless Base Material Kick Plate *(08 71 16 00-0763)*		
08 71 16 00-1402		Satin Stainless Finish, Stainless Kick Plate *(08 71 16 00-1401)*		
08 71 16 00-1403	EA	8" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	36.17	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1404	EA	8" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	37.34	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1405	EA	8" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	38.47	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1406	EA	8" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	39.65	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1407	EA	8" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	42.36	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1408	EA	8" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	43.50	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1409	EA	8" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	44.68	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1410	EA	8" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	45.82	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1411	EA	8" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	48.54	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1412	EA	8" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	49.69	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1413	EA	8" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	50.84	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1414	EA	8" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	53.56	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1415	EA	8" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	54.72	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1416	EA	8" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	55.86	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1417	EA	10" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	39.34	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1418	EA	10" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	40.79	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1419	EA	10" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	42.24	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1420	EA	10" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	43.67	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1421	EA	10" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	46.69	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1422	EA	10" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	48.13	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1423	EA	10" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	49.56	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1424	EA	10" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	50.99	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1425	EA	10" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	54.02	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1426	EA	10" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	55.45	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1427	EA	10" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	56.88	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1428	EA	10" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	59.90	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1429	EA	10" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	61.34	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1430	EA	10" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	62.78	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1431	EA	12" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	42.52	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1432	EA	12" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	44.25	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1433	EA	12" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	45.98	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1434	EA	12" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	47.71	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1435	EA	12" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	50.99	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1436	EA	12" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	52.73	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1437	EA	12" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	54.45	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1438	EA	12" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	56.19	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1439	EA	12" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	59.47	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1440	EA	12" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	61.21	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1441	EA	12" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	62.95	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1442	EA	12" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	66.23	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1443	EA	12" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	67.97	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1444	EA	12" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	69.69	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1445	EA	14" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	47.26	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1446	EA	14" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	49.28	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1447	EA	14" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	51.30	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1448	EA	14" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	53.32	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1449	EA	14" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	56.88	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1450	EA	14" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	58.90	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1451	EA	14" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	60.92	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1452	EA	14" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	62.95	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1453	EA	14" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	66.54	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1454	EA	14" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	68.53	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1455	EA	14" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	70.56	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1456	EA	14" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	74.14	7.44
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1457	EA	14" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	76.16	7.44
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1458	EA	14" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	78.18	7.44
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1459	EA	16" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	50.43	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1460	EA	16" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	52.73	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1461	EA	16" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	55.04	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1462	EA	16" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	57.34	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1463	EA	16" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	61.21	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1464	EA	16" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	63.51	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1465	EA	16" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	65.82	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1466	EA	16" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	68.12	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1467	EA	16" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	71.99	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1468	EA	16" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	74.31	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1469	EA	16" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	76.62	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1470	EA	16" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	80.48	7.44
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1471	EA	16" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	82.78	7.44
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1472	EA	16" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	85.10	7.44
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1473	EA	18" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	54.91	6.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1474	EA	18" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	57.63	6.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1475	EA	18" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	60.33	6.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1476	EA	18" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	63.04	6.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1477	EA	18" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	67.33	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1478	EA	18" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	70.03	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1479	EA	18" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	72.74	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1480	EA	18" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	75.44	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1481	EA	18" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	79.74	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1482	EA	18" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	82.45	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1483	EA	18" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	85.15	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1484	EA	18" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	89.43	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1485	EA	18" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	92.16	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1486	EA	18" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	94.86	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1487	EA	20" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	59.79	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1488	EA	20" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	62.80	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1489	EA	20" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	65.82	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1490	EA	20" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	68.82	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1491	EA	20" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	73.41	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1492	EA	20" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	76.43	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1493	EA	20" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	79.43	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1494	EA	20" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	82.45	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1495	EA	20" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	87.02	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1496	EA	20" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	90.04	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1497	EA	20" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	93.06	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1498	EA	20" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	97.63	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1499	EA	20" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	100.65	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1500	EA	20" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	103.66	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1501	EA	22" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	63.09	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1502	EA	22" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	66.42	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1503	EA	22" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	69.72	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1504	EA	22" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	73.05	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1505	EA	22" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	77.92	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1506	EA	22" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	81.25	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1507	EA	22" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	84.56	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1508	EA	22" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	87.87	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1509	EA	22" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	92.74	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1510	EA	22" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	96.06	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1511	EA	22" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	99.39	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1512	EA	22" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	104.26	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1513	EA	22" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	107.59	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1514	EA	22" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	110.88	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1515	EA	24" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	66.42	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1516	EA	24" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	70.03	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1517	EA	24" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	73.66	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1518	EA	24" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	77.26	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1519	EA	24" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	82.45	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1520	EA	24" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	86.07	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1521	EA	24" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	89.68	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1522	EA	24" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	93.30	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1523	EA	24" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	98.48	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1524	EA	24" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	102.09	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1525	EA	24" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	105.71	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1526	EA	24" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	110.88	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1527	EA	24" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	114.51	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1528	EA	24" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	118.14	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

08 71 16 00-1529 Bright Stainless Finish, Stainless Kick Plate *(08 71 16 00-1401)*

08 71 16 00-1530	EA	8" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	52.70	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1531	EA	8" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	55.36	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1532	EA	8" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	58.01	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1533	EA	8" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	60.66	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1534	EA	8" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	64.88	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1535	EA	8" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	67.54	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1536	EA	8" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	70.19	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1537	EA	8" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	72.85	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1538	EA	8" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	77.05	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1539	EA	8" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	79.71	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1540	EA	8" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	82.38	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1541	EA	8" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	86.59	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1542	EA	8" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	89.25	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1543	EA	8" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	91.89	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1544	EA	10" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	60.00	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1545	EA	10" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	63.31	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1546	EA	10" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	66.64	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1547	EA	10" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	69.96	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1548	EA	10" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	74.83	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1549	EA	10" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	78.15	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1550	EA	10" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	81.48	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1551	EA	10" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	84.80	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1552	EA	10" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	89.67	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1553	EA	10" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	92.99	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1554	EA	10" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	96.32	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1555	EA	10" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	101.18	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1556	EA	10" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	104.52	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1557	EA	10" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	107.83	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1558	EA	12" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	67.29	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1559	EA	12" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	71.28	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1560	EA	12" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	75.27	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1561	EA	12" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	79.25	5.88
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1562	EA	12" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	84.80	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1563	EA	12" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	88.76	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1564	EA	12" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	92.76	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1565	EA	12" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	96.74	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1566	EA	12" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	102.28	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1567	EA	12" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	106.26	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1568	EA	12" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	110.24	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1569	EA	12" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	115.80	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1570	EA	12" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	119.77	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1571	EA	12" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	123.75	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1572	EA	14" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	76.17	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1573	EA	14" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	80.82	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1574	EA	14" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	85.47	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1575	EA	14" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	90.11	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1576	EA	14" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	96.32	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1577	EA	14" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	100.95	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1578	EA	14" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	105.60	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1579	EA	14" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	110.24	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1580	EA	14" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	116.46	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1581	EA	14" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	121.11	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1582	EA	14" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	125.76	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1583	EA	14" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	131.96	7.44
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1584	EA	14" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	136.59	7.44
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1585	EA	14" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	141.23	7.44
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1586	EA	16" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	83.46	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1587	EA	16" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	88.76	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1588	EA	16" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	94.09	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1589	EA	16" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	99.39	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1590	EA	16" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	106.26	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1591	EA	16" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	111.57	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1592	EA	16" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	116.87	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1593	EA	16" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	122.18	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1594	EA	16" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	129.06	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1595	EA	16" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	134.36	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1596	EA	16" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	139.67	7.05
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1597	EA	16" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	146.54	7.44
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1598	EA	16" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	151.87	7.44
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1599	EA	16" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	157.18	7.44
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1600	EA	18" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	91.54	6.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1601	EA	18" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	97.61	6.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1602	EA	18" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	103.63	6.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1603	EA	18" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	109.69	6.26
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1604	EA	18" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	117.30	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1605	EA	18" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	123.32	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1606	EA	18" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	129.38	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1607	EA	18" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	138.86	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1608	EA	18" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	143.04	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1609	EA	18" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	149.08	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1610	EA	18" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	155.13	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1611	EA	18" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	162.73	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1612	EA	18" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	168.77	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1613	EA	18" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	174.81	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1614	EA	20" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	100.51	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1615	EA	20" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	107.21	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1616	EA	20" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	113.93	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1617	EA	20" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	120.64	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1618	EA	20" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	128.93	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1619	EA	20" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	135.66	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1620	EA	20" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	142.35	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1621	EA	20" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	149.08	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1622	EA	20" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	157.34	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1623	EA	20" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	164.07	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1624	EA	20" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	170.79	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1625	EA	20" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	179.06	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1626	EA	20" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	185.78	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1627	EA	20" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	192.49	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1628	EA	22" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	107.89	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1629	EA	22" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	115.27	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1630	EA	22" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	122.65	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1631	EA	22" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	130.04	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1632	EA	22" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	139.00	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1633	EA	22" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	146.39	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1634	EA	22" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	153.79	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1635	EA	22" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	161.17	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1636	EA	22" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	170.11	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1637	EA	22" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	177.49	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1638	EA	22" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	184.87	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1639	EA	22" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	193.83	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1640	EA	22" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	201.23	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1641	EA	22" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	208.61	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1642	EA	24" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	115.27	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1643	EA	24" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	123.32	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1644	EA	24" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	131.39	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1645	EA	24" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	139.44	6.66
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1646	EA	24" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	149.08	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1647	EA	24" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	157.13	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1648	EA	24" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	165.19	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1649	EA	24" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	173.25	7.05
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1650	EA	24" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	182.87	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1651	EA	24" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	190.92	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1652	EA	24" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	198.99	7.44
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1653	EA	24" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	208.61	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1654	EA	24" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	216.68	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1655	EA	24" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	224.73	7.83
		For Four Beveled Edges, Add	*6.30*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

08 71 16 00-1656 Plastic Kick Plate *(08 71 16 00-0763)*

08 71 16 00-1657 Clear Or Black Finish, Plastic Kick Plate *(08 71 16 00-1656)*
Note: With four beveled edges.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1658	EA	8" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	52.70	5.88
08 71 16 00-1659	EA	8" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	55.36	5.88
08 71 16 00-1660	EA	8" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	58.01	5.88
08 71 16 00-1661	EA	8" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	60.66	5.88
08 71 16 00-1662	EA	8" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	64.88	6.26
08 71 16 00-1663	EA	8" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	67.54	6.26
08 71 16 00-1664	EA	8" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	70.19	6.26
08 71 16 00-1665	EA	8" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	72.85	6.26
08 71 16 00-1666	EA	8" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	77.05	6.66
08 71 16 00-1667	EA	8" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	79.71	6.66
08 71 16 00-1668	EA	8" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	82.38	6.66
08 71 16 00-1669	EA	8" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	86.59	7.05
08 71 16 00-1670	EA	8" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	89.25	7.05
08 71 16 00-1671	EA	8" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	91.89	7.05
08 71 16 00-1672	EA	10" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	60.00	5.88
08 71 16 00-1673	EA	10" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	63.31	5.88
08 71 16 00-1674	EA	10" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	66.64	5.88
08 71 16 00-1675	EA	10" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	69.96	5.88
08 71 16 00-1676	EA	10" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	74.83	6.26
08 71 16 00-1677	EA	10" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	78.15	6.26
08 71 16 00-1678	EA	10" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	81.48	6.26
08 71 16 00-1679	EA	10" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	84.80	6.26
08 71 16 00-1680	EA	10" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	89.67	6.66
08 71 16 00-1681	EA	10" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	92.99	6.66
08 71 16 00-1682	EA	10" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	96.32	6.66
08 71 16 00-1683	EA	10" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	101.18	7.05
08 71 16 00-1684	EA	10" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	104.52	7.05
08 71 16 00-1685	EA	10" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	107.83	7.05
08 71 16 00-1686	EA	12" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	67.29	5.88
08 71 16 00-1687	EA	12" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	71.28	5.88
08 71 16 00-1688	EA	12" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	75.27	5.88
08 71 16 00-1689	EA	12" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	79.25	5.88
08 71 16 00-1690	EA	12" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	84.80	6.26
08 71 16 00-1691	EA	12" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	88.76	6.26
08 71 16 00-1692	EA	12" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	92.76	6.26
08 71 16 00-1693	EA	12" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	96.74	6.26
08 71 16 00-1694	EA	12" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	102.28	6.66
08 71 16 00-1695	EA	12" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	106.26	6.66
08 71 16 00-1696	EA	12" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	110.24	6.66
08 71 16 00-1697	EA	12" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	115.80	7.05
08 71 16 00-1698	EA	12" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	119.77	7.05
08 71 16 00-1699	EA	12" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	123.75	7.05
08 71 16 00-1700	EA	14" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	76.17	6.26
08 71 16 00-1701	EA	14" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	80.82	6.26
08 71 16 00-1702	EA	14" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	85.47	6.26
08 71 16 00-1703	EA	14" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	90.11	6.26
08 71 16 00-1704	EA	14" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	96.32	6.66
08 71 16 00-1705	EA	14" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	100.95	6.66
08 71 16 00-1706	EA	14" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	105.60	6.66
08 71 16 00-1707	EA	14" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	110.24	6.66
08 71 16 00-1708	EA	14" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	116.46	7.05
08 71 16 00-1709	EA	14" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	121.11	7.05
08 71 16 00-1710	EA	14" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	125.76	7.05
08 71 16 00-1711	EA	14" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	131.96	7.44
08 71 16 00-1712	EA	14" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	136.59	7.44
08 71 16 00-1713	EA	14" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	141.23	7.44
08 71 16 00-1714	EA	16" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	83.46	6.26
08 71 16 00-1715	EA	16" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	88.76	6.26
08 71 16 00-1716	EA	16" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	94.09	6.26
08 71 16 00-1717	EA	16" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	99.39	6.26
08 71 16 00-1718	EA	16" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	106.26	6.66
08 71 16 00-1719	EA	16" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	111.57	6.66
08 71 16 00-1720	EA	16" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	116.87	6.66
08 71 16 00-1721	EA	16" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	122.18	6.66
08 71 16 00-1722	EA	16" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	129.06	7.05
08 71 16 00-1723	EA	16" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	134.36	7.05
08 71 16 00-1724	EA	16" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	139.67	7.05
08 71 16 00-1725	EA	16" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	146.54	7.44
08 71 16 00-1726	EA	16" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	151.87	7.44
08 71 16 00-1727	EA	16" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	157.18	7.44
08 71 16 00-1728	EA	18" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	91.54	6.26
08 71 16 00-1729	EA	18" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	97.61	6.26
08 71 16 00-1730	EA	18" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	103.63	6.26
08 71 16 00-1731	EA	18" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	109.69	6.26
08 71 16 00-1732	EA	18" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	117.30	6.66
08 71 16 00-1733	EA	18" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	123.32	6.66
08 71 16 00-1734	EA	18" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	129.38	6.66
08 71 16 00-1735	EA	18" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	138.86	6.66
08 71 16 00-1736	EA	18" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	143.04	7.05
08 71 16 00-1737	EA	18" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	149.08	7.05
08 71 16 00-1738	EA	18" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	155.13	7.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1739	EA	18" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	162.73	7.44
08 71 16 00-1740	EA	18" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	168.77	7.44
08 71 16 00-1741	EA	18" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	174.81	7.44
08 71 16 00-1742	EA	20" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	100.51	6.66
08 71 16 00-1743	EA	20" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	107.21	6.66
08 71 16 00-1744	EA	20" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	113.93	6.66
08 71 16 00-1745	EA	20" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	120.64	6.66
08 71 16 00-1746	EA	20" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	128.93	7.05
08 71 16 00-1747	EA	20" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	135.66	7.05
08 71 16 00-1748	EA	20" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	142.35	7.05
08 71 16 00-1749	EA	20" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	149.08	7.05
08 71 16 00-1750	EA	20" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	157.34	7.44
08 71 16 00-1751	EA	20" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	164.07	7.44
08 71 16 00-1752	EA	20" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	170.79	7.44
08 71 16 00-1753	EA	20" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	179.06	7.83
08 71 16 00-1754	EA	20" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	185.78	7.83
08 71 16 00-1755	EA	20" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	192.49	7.83
08 71 16 00-1756	EA	22" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	107.89	6.66
08 71 16 00-1757	EA	22" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	115.27	6.66
08 71 16 00-1758	EA	22" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	122.65	6.66
08 71 16 00-1759	EA	22" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	130.04	6.66
08 71 16 00-1760	EA	22" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	139.00	7.05
08 71 16 00-1761	EA	22" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	146.39	7.05
08 71 16 00-1762	EA	22" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	153.79	7.05
08 71 16 00-1763	EA	22" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	161.17	7.05
08 71 16 00-1764	EA	22" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	170.11	7.44
08 71 16 00-1765	EA	22" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	177.49	7.44
08 71 16 00-1766	EA	22" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	184.87	7.44
08 71 16 00-1767	EA	22" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	193.83	7.83
08 71 16 00-1768	EA	22" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	201.23	7.83
08 71 16 00-1769	EA	22" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	208.61	7.83
08 71 16 00-1770	EA	24" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	115.27	6.66
08 71 16 00-1771	EA	24" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	123.32	6.66
08 71 16 00-1772	EA	24" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	131.39	6.66
08 71 16 00-1773	EA	24" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	139.44	6.66
08 71 16 00-1774	EA	24" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	149.08	7.05
08 71 16 00-1775	EA	24" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	157.13	7.05
08 71 16 00-1776	EA	24" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	165.19	7.05
08 71 16 00-1777	EA	24" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	173.25	7.05
08 71 16 00-1778	EA	24" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	182.87	7.44
08 71 16 00-1779	EA	24" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	190.92	7.44
08 71 16 00-1780	EA	24" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	198.99	7.44
08 71 16 00-1781	EA	24" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	208.61	7.83
08 71 16 00-1782	EA	24" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	216.68	7.83
08 71 16 00-1783	EA	24" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	224.73	7.83

08 71 16 00-1784 Mop Plate *(08 71 16 00-0762)*

Note: Ives 8400.

08 71 16 00-1785 Aluminum Base Material Mop Plate *(08 71 16 00-1784)*

08 71 16 00-1786 Satin Aluminum Finish, Aluminum Mop Plate *(08 71 16 00-1785)*

08 71 16 00-1787	EA	4" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	29.36	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1788	EA	4" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	29.97	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1789	EA	4" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	30.55	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1790	EA	4" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	31.16	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1791	EA	4" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	32.70	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1792	EA	4" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	33.29	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1793	EA	4" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	33.89	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1794	EA	4" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	34.48	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1795	EA	4" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	36.42	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1796	EA	4" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	37.02	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1797	EA	4" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	37.61	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1798	EA	4" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	39.77	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1799	EA	4" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	40.38	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1800	EA	4" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	40.96	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1801	EA	6" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	32.64	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1802	EA	6" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	33.54	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1803	EA	6" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	34.44	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1804	EA	6" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	35.33	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1805	EA	6" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	37.18	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1806	EA	6" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	38.06	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1807	EA	6" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	38.97	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1808	EA	6" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	39.86	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1809	EA	6" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	42.10	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1810	EA	6" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	42.99	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1811	EA	6" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	43.90	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1812	EA	6" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	46.35	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1813	EA	6" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	47.25	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1814	EA	6" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	48.14	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1815		Brass Base Material Mop Plate *(08 71 16 00-1784)*		
08 71 16 00-1816		Bright/Satin Brass Finish, Brass Mop Plate *(08 71 16 00-1815)*		
08 71 16 00-1817	EA	4" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	41.97	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1818	EA	4" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	43.73	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1819	EA	4" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	45.47	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1820	EA	4" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	47.23	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1821	EA	4" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	49.90	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1822	EA	4" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	51.64	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1823	EA	4" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	53.40	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1824	EA	4" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	55.14	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1825	EA	4" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	58.23	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1826	EA	4" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	59.97	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1827	EA	4" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	61.71	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1828	EA	4" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	65.02	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1829	EA	4" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	66.76	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1830	EA	4" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	68.52	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1831	EA	6" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	51.59	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1832	EA	6" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	54.20	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1833	EA	6" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	56.82	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1834	EA	6" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	59.43	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1835	EA	6" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	62.99	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1836	EA	6" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	65.62	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1837	EA	6" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	68.22	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1838	EA	6" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	70.85	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1839	EA	6" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	74.79	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1840	EA	6" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	77.42	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1841	EA	6" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	80.04	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1842	EA	6" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	84.21	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1843	EA	6" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	86.83	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1844	EA	6" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	89.44	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

08 71 16 00-1845 Bright/Satin Chrome Finish, Brass Mop Plate *(08 71 16 00-1815)*

08 71 16 00-1846	EA	4" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	43.79	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1847	EA	4" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	45.69	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1848	EA	4" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	47.60	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1849	EA	4" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	49.51	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1850	EA	4" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	52.35	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1851	EA	4" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	54.27	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1852	EA	4" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	56.18	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1853	EA	4" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	58.08	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1854	EA	4" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	61.33	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1855	EA	4" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	63.25	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1856	EA	4" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	65.16	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1857	EA	4" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	68.63	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1858	EA	4" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	70.53	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1859	EA	4" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	72.44	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1860	EA	6" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	54.29	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1861	EA	6" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	57.14	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1862	EA	6" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	60.01	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1863	EA	6" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	62.88	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1864	EA	6" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	66.67	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1865	EA	6" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	69.54	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1866	EA	6" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	72.39	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1867	EA	6" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	75.27	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1868	EA	6" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	79.48	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1869	EA	6" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	82.33	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1870	EA	6" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	85.20	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1871	EA	6" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	89.61	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1872	EA	6" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	92.48	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1873	EA	6" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	95.35	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

08 71 16 00-1874 Satin/Dark Bronze Finish, Brass Mop Plate *(08 71 16 00-1815)*

08 71 16 00-1875	EA	4" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	44.13	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1876	EA	4" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	46.07	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1877	EA	4" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	48.01	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1878	EA	4" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	49.95	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1879	EA	4" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	52.83	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1880	EA	4" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	54.78	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1881	EA	4" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	56.73	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1882	EA	4" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	58.67	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1883	EA	4" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	61.93	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1884	EA	4" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	63.88	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1885	EA	4" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	65.83	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1886	EA	4" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	69.33	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1887	EA	4" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	71.28	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1888	EA	4" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	73.20	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1889	EA	6" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	54.80	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1890	EA	6" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	57.73	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1891	EA	6" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	60.64	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1892	EA	6" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	418.34	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1893	EA	6" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	67.39	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1894	EA	6" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	70.30	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1895	EA	6" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	73.21	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1896	EA	6" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	76.11	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1897	EA	6" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	80.38	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1898	EA	6" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	83.29	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1899	EA	6" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	86.20	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1900	EA	6" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	90.66	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1901	EA	6" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	93.57	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1902	EA	6" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	96.48	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1903		Satin Nickel Finish, Brass Mop Plate *(08 71 16 00-1815)*		
08 71 16 00-1904	EA	4" x 22", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	44.55	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1905	EA	4" x 24", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	46.50	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1906	EA	4" x 26", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	48.50	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1907	EA	4" x 28", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	50.48	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1908	EA	4" x 30", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	53.40	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1909	EA	4" x 32", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	55.36	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1910	EA	4" x 34", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	57.34	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1911	EA	4" x 36", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	59.32	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1912	EA	4" x 38", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	62.66	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1913	EA	4" x 40", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	64.62	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1914	EA	4" x 42", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	66.59	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1915	EA	4" x 44", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	70.14	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1916	EA	4" x 46", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	72.12	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1917	EA	4" x 48", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	74.08	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1918	EA	6" x 22", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	55.42	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1919	EA	6" x 24", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	58.38	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1920	EA	6" x 26", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	61.35	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1921	EA	6" x 28", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	64.31	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1922	EA	6" x 30", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	68.22	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1923	EA	6" x 32", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	71.18	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1924	EA	6" x 34", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	74.15	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1925	EA	6" x 36", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	77.12	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1926	EA	6" x 38", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	81.43	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1927	EA	6" x 40", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	84.40	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1928	EA	6" x 42", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	87.37	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1929	EA	6" x 44", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	91.89	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1930	EA	6" x 46", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	94.85	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1931	EA	6" x 48", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	97.83	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

08 71 16 00-1932 Stainless Base Material Mop Plate *(08 71 16 00-1784)*

08 71 16 00-1933 Satin Stainless Finish, Stainless Mop Plate *(08 71 16 00-1932)*

08 71 16 00-1934	EA	4" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	29.78	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1935	EA	4" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	30.40	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1936	EA	4" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	31.04	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1937	EA	4" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	31.67	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1938	EA	4" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	33.25	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1939	EA	4" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	33.89	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1940	EA	4" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	34.51	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1941	EA	4" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	35.15	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1942	EA	4" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	37.12	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1943	EA	4" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	37.76	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1944	EA	4" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	38.40	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1945	EA	4" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	40.58	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1946	EA	4" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	41.22	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1947	EA	4" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	41.85	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1948	EA	6" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	33.25	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1949	EA	6" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	34.21	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1950	EA	6" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	35.16	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1951	EA	6" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	36.12	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1952	EA	6" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	38.00	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1953	EA	6" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	38.95	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1954	EA	6" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	39.91	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1955	EA	6" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	40.86	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1956	EA	6" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	43.16	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1957	EA	6" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	44.10	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1958	EA	6" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	45.05	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1959	EA	6" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	47.57	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1960	EA	6" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	48.51	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1961	EA	6" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	49.47	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1962		Bright Stainless Finish, Stainless Mop Plate *(08 71 16 00-1932)*		
08 71 16 00-1963	EA	4" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	38.31	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1964	EA	4" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	39.73	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1965	EA	4" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	41.15	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1966	EA	4" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	42.54	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1967	EA	4" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	44.90	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1968	EA	4" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	46.31	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1969	EA	4" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	47.73	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1970	EA	4" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	49.15	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1971	EA	4" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	51.89	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1972	EA	4" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	53.30	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1973	EA	4" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	54.72	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1974	EA	4" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	57.69	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1975	EA	4" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	59.11	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1976	EA	4" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	60.51	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1977	EA	6" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	46.07	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1978	EA	6" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	48.21	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1979	EA	6" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	50.33	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1980	EA	6" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	52.44	5.72
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1981	EA	6" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	55.49	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1982	EA	6" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	57.61	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1983	EA	6" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	59.72	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1984	EA	6" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	61.84	5.95
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-1985	EA	6" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	65.31	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1986	EA	6" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	67.43	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1987	EA	6" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	69.55	6.26
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1988	EA	6" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	73.22	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1989	EA	6" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	75.33	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	
08 71 16 00-1990	EA	6" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	77.45	6.66
		For Four Beveled Edges, Add	*1.76*	
		For Counter Sink Holes, Add	*5.60*	
		For UL Label (Fire Rated), Add	*9.80*	

08 71 16 00-1991 Plastic Mop Plate *(08 71 16 00-1784)*

08 71 16 00-1992 Clear Or Black Finish, Plastic Mop Plate *(08 71 16 00-1991)*

Note: With four beveled edges.

08 71 16 00-1993	EA	4" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	28.60	5.72
08 71 16 00-1994	EA	4" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	29.13	5.72
08 71 16 00-1995	EA	4" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	29.67	5.72
08 71 16 00-1996	EA	4" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	30.19	5.72
08 71 16 00-1997	EA	4" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	31.66	5.95
08 71 16 00-1998	EA	4" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	32.19	5.95
08 71 16 00-1999	EA	4" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	32.71	5.95
08 71 16 00-2000	EA	4" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	33.25	5.95
08 71 16 00-2001	EA	4" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	35.12	6.26
08 71 16 00-2002	EA	4" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	35.65	6.26
08 71 16 00-2003	EA	4" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	36.17	6.26
08 71 16 00-2004	EA	4" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	38.26	6.66
08 71 16 00-2005	EA	4" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	38.80	6.66
08 71 16 00-2006	EA	4" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	39.32	6.66
08 71 16 00-2007	EA	6" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	31.51	5.72
08 71 16 00-2008	EA	6" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	32.31	5.72
08 71 16 00-2009	EA	6" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	33.10	5.72
08 71 16 00-2010	EA	6" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	33.89	5.72
08 71 16 00-2011	EA	6" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	35.63	5.95
08 71 16 00-2012	EA	6" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	36.42	5.95
08 71 16 00-2013	EA	6" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	37.21	5.95
08 71 16 00-2014	EA	6" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	38.00	5.95
08 71 16 00-2015	EA	6" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	40.14	6.26
08 71 16 00-2016	EA	6" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	40.93	6.26
08 71 16 00-2017	EA	6" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	41.72	6.26
08 71 16 00-2018	EA	6" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	44.08	6.66
08 71 16 00-2019	EA	6" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	44.87	6.66

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-2020	EA	6" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	45.66	6.66
08 71 16 00-2021		**Armor Door Plate** *(08 71 16 00-0762)* Note: Size ranges of 26" to 48" high, 22" to 48" wide. Ives 8400.		
08 71 16 00-2022	SF	4 to 8 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate	13.44	0.98
08 71 16 00-2023	SF	>8 to 16 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate	12.57	0.77
08 71 16 00-2024	SF	4 to 8 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate	14.77	0.98
08 71 16 00-2025	SF	>8 to 16 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate	13.90	0.77
08 71 16 00-2026	SF	4 to 8 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate	28.09	0.98
08 71 16 00-2027	SF	>8 to 16 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate	27.22	0.77
08 71 16 00-2028		**Pull Handle And Plates** *(08 71 16 00-0762)*		
08 71 16 00-2029		**Pull Handle** *(08 71 16 00-2028)*		
08 71 16 00-2030	EA	3/4" Diameter Aluminum Door Pulls, 6" Long	49.28	6.46
		For Stainless Steel, Add	*9.84*	
		For Brass, Add	*13.36*	
08 71 16 00-2031	EA	3/4" Diameter Aluminum Door Pulls, 8" Long	49.28	6.46
		For Stainless Steel, Add	*9.84*	
		For Brass, Add	*13.36*	
08 71 16 00-2032	EA	3/4" Diameter Aluminum Door Pulls, 10" Long	51.59	6.46
		For Stainless Steel, Add	*10.81*	
		For Brass, Add	*14.67*	
08 71 16 00-2033	EA	1" Diameter Aluminum Door Pulls, 8" Long	57.06	6.46
		For Stainless Steel, Add	*13.11*	
		For Brass, Add	*17.79*	
08 71 16 00-2034	EA	1" Diameter Aluminum Door Pulls, 10" Long	60.19	6.46
		For Stainless Steel, Add	*14.42*	
		For Brass, Add	*19.57*	
08 71 16 00-2035	EA	1" Diameter Aluminum Door Pulls, 12" Long	64.33	6.46
		For Stainless Steel, Add	*16.16*	
		For Brass, Add	*21.93*	
08 71 16 00-2036	EA	1" Flattened x 1/2" Round Aluminum Door Pulls, 6" Long	52.14	6.46
		For Stainless Steel, Add	*11.04*	
		For Brass, Add	*14.99*	
08 71 16 00-2037	EA	1" Flattened x 1/2" Round Aluminum Door Pulls, 8" Long	52.14	6.46
		For Stainless Steel, Add	*11.04*	
		For Brass, Add	*14.99*	
08 71 16 00-2038	EA	1" Flattened x 1/2" Round Aluminum Door Pulls, 10" Long	54.74	6.46
		For Stainless Steel, Add	*12.13*	
		For Brass, Add	*16.47*	
08 71 16 00-2039	EA	1" Diameter Stainless Steel Offset Door Pulls, 8" Long	90.56	6.46
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*12.23*	
		For Brass, Add	*11.26*	
08 71 16 00-2040	EA	1" Diameter Stainless Steel Offset Door Pulls, 10" Long	94.78	6.46
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*13.03*	
		For Brass, Add	*11.99*	
08 71 16 00-2041	EA	1" Diameter Stainless Steel Offset Door Pulls, 12" Long	99.01	6.46
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*13.83*	
		For Brass, Add	*12.73*	
08 71 16 00-2042	EA	1" Diameter Stainless Steel Offset Door Pulls, 18" Long	118.70	6.46
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*17.55*	
		For Brass, Add	*16.16*	
08 71 16 00-2043		**Pull Plate** *(08 71 16 00-2028)*		
08 71 16 00-2044	EA	3-1/2" x 15" Aluminum Pull Plate Door Hardware	46.96	4.89
		For Stainless Steel, Add	*16.15*	
		For Brass, Add	*20.54*	
08 71 16 00-2045	EA	4" x 16" Aluminum Pull Plate Door Hardware	47.91	4.89
		For Stainless Steel, Add	*16.71*	
		For Brass, Add	*21.25*	
08 71 16 00-2046	EA	6" x 16" Aluminum Pull Plate Door Hardware	50.08	4.89
		For Stainless Steel, Add	*18.00*	
		For Brass, Add	*22.88*	
08 71 16 00-2047		**Push Bars And Plates** *(08 71 16 00-0762)*		
08 71 16 00-2048		**Push Bars** *(08 71 16 00-2047)*		
08 71 16 00-2049	EA	3/8" x 2-1/2" Bronze Push Bar, Rectangular, With Base Plate Note: Up to 34" wide. All finishes.	165.58	4.89
08 71 16 00-2050	EA	3/4" Diameter Stainless Steel Push Bar, Up To 34" Wide	112.28	4.89
		For Brass Push Bar, Add	*16.13*	
08 71 16 00-2051	EA	1" Diameter Stainless Steel Push Bar, Up To 34" Wide	116.18	4.89
		For Brass Push Bar, Add	*16.81*	
08 71 16 00-2052	EA	1-1/4" Diameter Stainless Steel Push Bar, Up To 34" Wide	212.77	4.89
		For Brass Push Bar, Add	*33.62*	
08 71 16 00-2053		**Push Plates** *(08 71 16 00-2047)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-2054		**Aluminum Push Plates** *(08 71 16 00-2053)*		
08 71 16 00-2055		**Clear Anodized Finish, Aluminum Push Plates** *(08 71 16 00-2054)* Note: Ives 8200 Series.		
08 71 16 00-2056	EA	3" x 12", Clear Anodized Finish, Aluminum Push Plate Door Hardware	26.46	4.89
08 71 16 00-2057	EA	4" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	26.46	4.89
08 71 16 00-2058	EA	6" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	26.46	4.89
08 71 16 00-2059	EA	8" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	28.20	4.89
08 71 16 00-2060		**Stainless Steel Push Plates** *(08 71 16 00-2053)*		
08 71 16 00-2061		**Satin Finish, Stainless Steel Push Plates** *(08 71 16 00-2060)* Note: Ives 8200 Series.		
08 71 16 00-2062	EA	3" x 12", Satin Finish, Stainless Steel Push Plate Door Hardware	26.46	4.89
08 71 16 00-2063	EA	4" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware	27.80	4.89
08 71 16 00-2064	EA	6" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware	30.85	4.89
08 71 16 00-2065	EA	8" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware	35.37	4.89
08 71 16 00-2066		**Brass Push Plates** *(08 71 16 00-2053)*		
08 71 16 00-2067		**Bright/Satin Brass Finish, Brass Push Plates** *(08 71 16 00-2066)* Note: Ives 8200 Series.		
08 71 16 00-2068	EA	3" x 12", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	30.54	4.89
08 71 16 00-2069	EA	4" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	33.98	4.89
08 71 16 00-2070	EA	6" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	42.25	4.89
08 71 16 00-2071	EA	8" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	47.69	4.89
08 71 16 00-2072		**Bright/Satin Chrome Finish, Brass Push Plates** *(08 71 16 00-2066)* Note: Ives 8200 Series.		
08 71 16 00-2073	EA	3" x 12", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	33.29	4.89
08 71 16 00-2074	EA	4" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	36.08	4.89
08 71 16 00-2075	EA	6" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	43.66	4.89
08 71 16 00-2076	EA	8" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	51.13	4.89
08 71 16 00-2077		**Satin/Dark Bronze Finish, Brass Push Plates** *(08 71 16 00-2066)* Note: Ives 8200 Series.		
08 71 16 00-2078	EA	3" x 12", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	33.29	4.89
08 71 16 00-2079	EA	4" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	36.08	4.89
08 71 16 00-2080	EA	6" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	45.00	4.89
08 71 16 00-2081	EA	8" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	51.88	4.89
08 71 16 00-2082		**Satin Nickel Finish, Brass Push Plates** *(08 71 16 00-2066)* Note: Ives 8200 Series.		
08 71 16 00-2083	EA	3" x 12", Satin Nickel Finish, Brass Push Plate Door Hardware	33.29	4.89
08 71 16 00-2084	EA	4" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	36.78	4.89
08 71 16 00-2085	EA	6" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	47.12	4.89
08 71 16 00-2086	EA	8" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	54.00	4.89
08 71 16 00-2087		**Exit Devices** *(08 71 16)*		
08 71 16 00-2088		**Push Bar Exit Device, Von Duprin Series 22** *(08 71 16 00-2087)* Note: Grade 1, BHMA 156.3.		
08 71 16 00-2089	EA	3' Push Bar Exit Device, Rim Type Note: Anodized finish: aluminum or dark brown. Von Duprin Series 22.	519.89	88.13
		For 4' Push Bar, Add	*13.00*	
08 71 16 00-2090	EA	3' Push Bar Exit Device, Rim Type, Fire Rated Note: Anodized finish: aluminum or dark brown. Von Duprin Series 22-F.	576.26	88.13
		For 4' Push Bar, Add	*13.00*	
08 71 16 00-2091	EA	3' Push Bar Exit Device, Surface Vertical Rods Note: Anodized finish: aluminum or dark brown. Von Duprin Series 2227.	749.36	105.75
		For 4' Push Bar, Add	*13.00*	
08 71 16 00-2092	EA	3' Push Bar Exit Device, Surface Vertical Rods, Fire Rated Note: Anodized finish: aluminum or dark brown. Von Duprin Series 2227-F.	889.76	97.92
		For 4' Push Bar, Add	*13.00*	
08 71 16 00-2093	EA	Dummy Trim (210DT), Von Duprin Series 22 Note: Anodized finish: aluminum or dark brown.	71.02	14.69
08 71 16 00-2094	EA	Night Latch Trim (210NL) With Cylinder, Von Duprin Series 22 Note: Anodized finish: aluminum or dark brown.	155.58	19.58
08 71 16 00-2095	EA	Knob Trim (210K) With Cylinder, Von Duprin Series 22 Note: Anodized finish: aluminum or dark brown.	285.68	29.38
08 71 16 00-2096	EA	Lever Trim (230L) With Cylinder, Von Duprin Series 22 Note: Anodized finish: aluminum or dark brown.	283.08	29.38
08 71 16 00-2097	EA	Thumbpiece Trim (230TP) With Cylinder, Von Duprin Series 22 Note: Anodized finish: aluminum or dark brown.	282.43	29.38
08 71 16 00-2098	EA	Knob - Blank Escutcheon (210K-BE), Von Duprin Series 22 Note: Anodized finish: aluminum or dark brown.	221.98	29.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-2099	EA	Exit Only Trim Plate (230EO), Von Duprin Series 22 Note: Anodized finish: aluminum or dark brown.	89.83	11.75
08 71 16 00-2100	EA	Dummy Trim (230DT), Von Duprin Series 22 Note: Anodized finish: aluminum or dark brown.	104.17	14.69
08 71 16 00-2101	EA	Night Latch Trim (230NL) With Cylinder, Von Duprin Series 22 Note: Anodized finish: aluminum or dark brown.	190.03	19.58
08 71 16 00-2102	EA	Lever - Blank Escutcheon (230L-BE), Von Duprin Series 22 Note: Anodized finish: aluminum or dark brown.	219.38	29.38
08 71 16 00-2103	EA	Thumbpiece - Blank Escutcheon (230TP-BE), Von Duprin Series 22 Note: Anodized finish: aluminum or dark brown.	218.73	29.38
08 71 16 00-2104		**Push Bar Exit Device, Narrow Stile, Von Duprin Series 33/35** *(08 71 16 00-2087)* Note: Grade 1, BHMA 156.3. Series 33 has a ribbed case, Series 35 has a smooth case.		
08 71 16 00-2105	EA	3' Push Bar Exit Device, Rim Type, Narrow Stile Note: Aluminum anodized finish. Von Duprin Series 33/35.	959.76	88.13
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*74.21*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*142.41*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*27.54*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*211.63*	
08 71 16 00-2106	EA	3' Push Bar Exit Device, Surface Vertical Rods, Narrow Stile Note: Aluminum anodized finish. Von Duprin Series 3327/3527.	1,301.21	105.75
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*104.37*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*200.27*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*38.73*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*297.61*	
08 71 16 00-2107	EA	3' Push Bar Exit Device, Surface Vertical Rods, Fire Rated, Narrow Stile Note: Aluminum anodized finish. Von Duprin Series 3327-F/3527-F.	1,325.91	105.75
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*106.90*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*205.13*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*39.67*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*304.82*	
08 71 16 00-2108	EA	3' Push Bar Exit Device, Concealed Vertical Rods, Narrow Stile Note: Aluminum anodized finish. Von Duprin Series 3347/3547.	1,353.39	121.42
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*105.30*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*202.06*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*39.08*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*300.26*	
08 71 16 00-2109	EA	3' Push Bar Exit Device, Concealed Vertical Rods, Fire Rated, Narrow Stile Note: Aluminum anodized finish. Von Duprin Series 3347-F/3547-F.	1,417.09	121.42
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*111.82*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*214.58*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*41.50*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*318.86*	
08 71 16 00-2110	EA	3' Push Bar Exit Device, Concealed Vertical Rods, Narrow Stile Note: Aluminum anodized finish. Von Duprin Series 3348/3548.	1,506.14	121.42
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*120.94*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*232.08*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*44.88*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*344.87*	
08 71 16 00-2111	EA	3' Push Bar Exit Device, Concealed Vertical Rods, Fire Rated, Narrow Stile Note: Aluminum anodized finish. Von Duprin Series 3348-F/3548-F.	1,569.84	121.42
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*127.46*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*244.59*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*47.30*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*363.47*	
08 71 16 00-2112	EA	Dummy Trim (DT), Von Duprin Series 33/35 Note: Anodized finish: aluminum or dark brown.	213.37	14.69
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*34.23*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*6.62*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*50.87*	
08 71 16 00-2113	EA	Night Latch Less Pull (NL-OP With Cylinder, Von Duprin Series 33/35 Note: Anodized finish: aluminum or dark brown.	269.33	19.58
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*42.15*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*8.15*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*62.63*	
08 71 16 00-2114	EA	Night Latch (NL) With Cylinder, Von Duprin Series 33/35 Note: Anodized finish: aluminum or dark brown.	425.98	19.58
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*72.93*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*14.10*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*108.38*	
08 71 16 00-2115	EA	Lever Trim (360L) With Cylinder, Von Duprin Series 33/35 Note: Anodized finish: aluminum or dark brown.	534.63	29.38
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*89.66*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*17.34*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*133.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-2116	EA	Lever - Blank Escutcheon (360L-BE) With Cylinder, Von Duprin Series 33/35 Note: Anodized finish: aluminum or dark brown.	513.83	29.38
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*85.58*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*16.55*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*127.17*	
08 71 16 00-2117	EA	Lever Dummy Trim (360L-DT) With Cylinder, Von Duprin Series 33/35 Note: Anodized finish: aluminum or dark brown.	504.08	29.38
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*83.66*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*16.18*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*124.32*	
08 71 16 00-2118	EA	Thumbturn Trim (360T) With Cylinder, Von Duprin Series 33/35 Note: Anodized finish: aluminum or dark brown.	508.63	29.38
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*84.55*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*16.35*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*125.65*	
08 71 16 00-2119		**Push Bar Exit Device, Von Duprin Series 98/99** *(08 71 16 00-2087)* Note: Grade 1, BHMA 156.3. Series 98 has a smooth case, Series 99 has a grooved case.		
08 71 16 00-2120	EA	3' Push Bar Exit Device, Rim Type, Von Duprin Series 98/99 Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	851.86	88.13
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*37.63*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*59.83*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*95.61*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*195.54*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*61.69*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*90.68*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*41.11*	
		For Special Center Case Dogging (SD), Add	*172.13*	
		For Cylinder Dogging Indicator (CI), Add	*114.57*	
		For Dogging Indicator (DI), Add	*105.25*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*53.18*	
		For Safety Glow Touchpad, Add	*191.86*	
08 71 16 00-2121	EA	3' Push Bar Exit Device, Rim Type, Fire Rated, Von Duprin Series 98-F/99-F Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	959.76	88.13
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*44.21*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*70.30*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*112.34*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*229.75*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*72.48*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*106.54*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*53.18*	
		For Safety Glow Touchpad, Add	*191.86*	
08 71 16 00-2122	EA	3' Push Bar Exit Device, Rim Type, Von Duprin Series XP98/XP99 Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	924.01	88.13
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*42.03*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*66.83*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*106.80*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*218.41*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*68.90*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*101.28*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*41.11*	
		For Special Center Case Dogging (SD), Add	*172.13*	
		For Cylinder Dogging Indicator (CI), Add	*114.57*	
		For Dogging Indicator (DI), Add	*105.25*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*53.18*	
		For Safety Glow Touchpad, Add	*191.86*	
08 71 16 00-2123	EA	3' Push Bar Exit Device, Rim Type, Fire Rated, Von Duprin Series XP98-F/XP99-F Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,029.31	88.13
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*48.45*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*77.05*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*123.12*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*251.79*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*79.43*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*116.76*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*53.18*	
		For Safety Glow Touchpad, Add	*191.86*	
08 71 16 00-2124	EA	3' Push Bar Exit Device, Surface Vertical Rods, Von Duprin Series 9827/9927 Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,203.06	105.75
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*56.18*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*89.34*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*142.76*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*291.97*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*92.11*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*135.39*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*41.11*	
		For Special Center Case Dogging (SD), Add	*172.13*	
		For Cylinder Dogging Indicator (CI), Add	*114.57*	
		For Dogging Indicator (DI), Add	*105.25*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*53.18*	
		For Safety Glow Touchpad, Add	*191.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-2125	EA	3' Push Bar Exit Device, Surface Vertical Rods, Fire Rated, Von Duprin Series 9827-F/9927-F Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,349.31	105.75
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*65.11*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*103.53*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*165.43*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*338.33*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*106.73*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*156.89*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*53.18*	
		For Safety Glow Touchpad, Add	*191.86*	
08 71 16 00-2126	EA	3' Push Bar Exit Device, Concealed Vertical Rods, Von Duprin Series 9847/9947 Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,270.19	121.42
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*87.89*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*91.67*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*146.49*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*299.60*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*94.51*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*138.93*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*41.11*	
		For Special Center Case Dogging (SD), Add	*172.13*	
		For Cylinder Dogging Indicator (CI), Add	*114.57*	
		For Dogging Indicator (DI), Add	*105.25*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*53.18*	
		For Safety Glow Touchpad, Add	*191.86*	
08 71 16 00-2127	EA	3' Push Bar Exit Device, Concealed Vertical Rods, Fire Rated, Von Duprin Series 9847-F/9947-F Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,419.69	121.42
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*101.80*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*106.18*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*169.66*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*346.99*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*109.46*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*160.91*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*53.18*	
		For Safety Glow Touchpad, Add	*191.86*	
08 71 16 00-2128	EA	3' Push Bar Exit Device, Concealed Vertical Rods, Von Duprin Series 9848/9948 Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,422.94	121.42
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*102.10*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*106.49*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*170.17*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*348.02*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*109.79*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*161.38*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*41.11*	
		For Special Center Case Dogging (SD), Add	*172.13*	
		For Cylinder Dogging Indicator (CI), Add	*114.57*	
		For Dogging Indicator (DI), Add	*105.25*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*53.18*	
		For Safety Glow Touchpad, Add	*191.86*	
08 71 16 00-2129	EA	3' Push Bar Exit Device, Concealed Vertical Rods, Fire Rated, Von Duprin Series 9848-F/9948-F Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,572.44	121.42
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*116.00*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*120.99*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*193.34*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*395.41*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*124.74*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*183.36*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*53.18*	
		For Safety Glow Touchpad, Add	*191.86*	
08 71 16 00-2130	EA	3' Push Bar Exit Device, Wood Door Concealed Vertical Rods, Von Duprin Series 9847WDC/9947WDC Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,378.74	121.42
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*97.99*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*102.20*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*163.32*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*334.01*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*105.37*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*154.89*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*41.11*	
		For Special Center Case Dogging (SD), Add	*172.13*	
		For Cylinder Dogging Indicator (CI), Add	*114.57*	
		For Dogging Indicator (DI), Add	*105.25*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*53.18*	
		For Safety Glow Touchpad, Add	*191.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-2131	EA	3' Push Bar Exit Device, Wood Door Concealed Vertical Rods, Fire Rated, Von Duprin Series 9847WDC-F/9947WDC-F	1,547.09	121.42
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*113.65*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*118.53*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*189.41*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*387.37*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*122.20*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*179.63*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*53.18*	
		For Safety Glow Touchpad, Add	*191.86*	
08 71 16 00-2132	EA	3' Push Bar Exit Device, Surface Three Point Latch, Von Duprin Series 9857/9957	1,487.76	105.75
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*73.55*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*116.96*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*186.89*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*382.22*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*120.58*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*177.25*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*41.11*	
		For Special Center Case Dogging (SD), Add	*172.13*	
		For Cylinder Dogging Indicator (CI), Add	*114.57*	
		For Dogging Indicator (DI), Add	*105.25*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*53.18*	
		For Safety Glow Touchpad, Add	*191.86*	
08 71 16 00-2133	EA	3' Push Bar Exit Device, Surface Three Point Latch, Fire Rated, Von Duprin Series 9857-F/9957-F	1,584.61	105.75
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*79.46*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*126.35*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*201.90*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*412.92*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*130.26*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*191.48*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*41.11*	
		For Special Center Case Dogging (SD), Add	*172.13*	
		For Cylinder Dogging Indicator (CI), Add	*114.57*	
		For Dogging Indicator (DI), Add	*105.25*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*53.18*	
		For Safety Glow Touchpad, Add	*191.86*	
08 71 16 00-2134	EA	3' Push Bar Exit Device, Mortise Lock, Von Duprin Series 9875/9975	1,195.31	109.67
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*33.36*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*87.45*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*139.74*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*285.79*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*90.16*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*132.53*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*41.11*	
		For Special Center Case Dogging (SD), Add	*172.13*	
		For Cylinder Dogging Indicator (CI), Add	*114.57*	
		For Dogging Indicator (DI), Add	*105.25*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*53.18*	
		For Safety Glow Touchpad, Add	*191.86*	
08 71 16 00-2135	EA	3' Push Bar Exit Device, Mortise Lock, Fire Rated, Von Duprin Series 9875-F/9975-F	1,305.16	109.67
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*37.42*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*98.11*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*156.77*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*320.61*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*101.14*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*148.68*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*53.18*	
		For Safety Glow Touchpad, Add	*191.86*	
08 71 16 00-2136	EA	3' Push Bar Exit Device, Concealed Vertical Cable, Von Duprin Series 9849/9949	1,316.34	121.42
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*92.19*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*96.15*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*153.64*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*314.23*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*99.13*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*145.71*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*41.11*	
		For Special Center Case Dogging (SD), Add	*172.13*	
		For Cylinder Dogging Indicator (CI), Add	*114.57*	
		For Dogging Indicator (DI), Add	*105.25*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*53.18*	
		For Safety Glow Touchpad, Add	*191.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-2137	EA	3' Push Bar Exit Device, Concealed Vertical Cable, Fire Rated, Von Duprin Series 9849-F/9949-F	1,425.54	121.42
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*102.34*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*106.74*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*170.57*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*348.84*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*110.05*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*161.77*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*41.11*	
		For Special Center Case Dogging (SD), Add	*172.13*	
		For Cylinder Dogging Indicator (CI), Add	*114.57*	
		For Dogging Indicator (DI), Add	*105.25*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*53.18*	
		For Safety Glow Touchpad, Add	*191.86*	
08 71 16 00-2138	EA	3' Push Bar Exit Device, Wood Door Concealed Vertical Cable, Von Duprin Series 9849WDC/9949WDC	1,429.44	121.42
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*102.70*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*107.12*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*171.17*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*350.08*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*110.44*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*162.34*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*41.11*	
		For Special Center Case Dogging (SD), Add	*172.13*	
		For Cylinder Dogging Indicator (CI), Add	*114.57*	
		For Dogging Indicator (DI), Add	*105.25*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*53.18*	
		For Safety Glow Touchpad, Add	*191.86*	
08 71 16 00-2139	EA	3' Push Bar Exit Device, Wood Door Concealed Vertical Cable, Fire Rated, Von Duprin Series 9849WDC-F/9949WDC-F	1,624.44	121.42
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*120.84*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*126.04*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*201.40*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*411.89*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*129.94*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*191.00*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*41.11*	
		For Special Center Case Dogging (SD), Add	*172.13*	
		For Cylinder Dogging Indicator (CI), Add	*114.57*	
		For Dogging Indicator (DI), Add	*105.25*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*53.18*	
		For Safety Glow Touchpad, Add	*191.86*	
08 71 16 00-2140	EA	3' Push Bar Exit Device, Chexit Delayed Egress, Von Duprin Series CX98/CX99	1,836.12	101.83
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*242.10*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*495.14*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*156.20*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*58.10*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*65.29*	
		For Center Case Dogging (CD-CX), Add	*185.83*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*53.18*	
		For Safety Glow Touchpad, Add	*191.86*	
08 71 16 00-2141	EA	3' Push Bar Exit Device, Chexit Delayed Egress, Fire Rated, Von Duprin Series CX98-F/CX99-F	1,944.02	101.83
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*258.83*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*529.34*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*166.99*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*62.12*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*69.80*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*53.18*	
		For Safety Glow Touchpad, Add	*191.86*	
08 71 16 00-2142	EA	3' Push Bar Exit Device, Mortise Chexit Delayed Egress, Von Duprin Series CX9875/CX9975	2,187.41	125.33
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*286.23*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*585.39*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*184.67*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*68.70*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*77.19*	
		For Center Case Dogging (CD-CX), Add	*185.83*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*53.18*	
		For Safety Glow Touchpad, Add	*191.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-2143	EA	3' Push Bar Exit Device, Mortise Chexit Delayed Egress, Fire Rated, Von Duprin Series CX9875-F/CX9975-F Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.	2,297.26	125.33
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*303.26*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*620.21*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*195.65*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*72.78*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*81.78*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*53.18*	
		For Safety Glow Touchpad, Add	*191.86*	
08 71 16 00-2144	EA	3' Push Bar Exit Device, Electric Latch Retraction, Von Duprin Series E98/E99 Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.	1,199.12	101.83
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*143.37*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*293.21*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*92.50*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*34.41*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*53.09*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*41.11*	
		For Special Center Case Dogging (SD), Add	*172.13*	
		For Dogging Indicator (DI), Add	*105.25*	
		For Quiet Electric Latch Retraction (QEL), Add	*78.93*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*53.18*	
		For Safety Glow Touchpad, Add	*191.86*	
08 71 16 00-2145	EA	3' Push Bar Exit Device, Electric Latch Retraction, Fire Rated, Von Duprin Series E98-F/E99-F Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.	1,307.02	101.83
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*160.09*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*327.41*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*103.29*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*38.42*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*59.29*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*53.18*	
		For Safety Glow Touchpad, Add	*191.86*	
08 71 16 00-2146	EA	3' Push Bar Exit Device, Mortise Electric Latch Retraction, Von Duprin Series E9875/E9975 Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.	1,550.41	125.33
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*187.50*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*383.46*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*120.97*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*45.00*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*69.43*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*41.11*	
		For Special Center Case Dogging (SD), Add	*172.13*	
		For Dogging Indicator (DI), Add	*105.25*	
		For Quiet Electric Latch Retraction (QEL), Add	*78.93*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*53.18*	
		For Safety Glow Touchpad, Add	*191.86*	
08 71 16 00-2147	EA	3' Push Bar Exit Device, Mortise Electric Latch Retraction, Fire Rated, Von Duprin Series E9875-F/E9975-F Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.	1,660.26	125.33
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*204.52*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*418.28*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*131.95*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*49.09*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*75.74*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*53.18*	
		For Safety Glow Touchpad, Add	*191.86*	
08 71 16 00-2148	EA	Exit Only Trim Plate (EO), Von Duprin Series 98/99 Note: Satin chrome plated US26D (BHMA 626) finish.	100.40	11.75
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*2.07*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*3.11*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*11.74*	
08 71 16 00-2149	EA	Dummy Trim (DT), Von Duprin Series 98/99 Note: Satin chrome plated US26D (BHMA 626) finish.	146.61	14.69
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*3.22*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*4.83*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*18.26*	
08 71 16 00-2150	EA	Night Latch (NL) Pull Trim With 110NL Cylinder, Von Duprin Series 98/99 Note: Satin chrome plated US26D (BHMA 626) finish.	233.64	19.58
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*5.36*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*8.05*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*30.40*	
08 71 16 00-2151	EA	Night Latch (NL) Pull Trim Without Cylinder, Von Duprin Series 98/99 Note: Satin chrome plated US26D (BHMA 626) finish.	169.94	19.58
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*3.45*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*5.18*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*19.57*	
08 71 16 00-2152	EA	Lever Trim (L) With 110NL Cylinder, Von Duprin Series 98/99 Note: Satin chrome plated US26D (BHMA 626) finish.	390.35	29.38
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*9.36*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*14.04*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*53.04*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-2153	EA	Lever Trim (L) Without Cylinder, Von Duprin Series 98/99	326.65	29.38
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*7.45*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*11.17*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*42.21*	
08 71 16 00-2154	EA	Lever - Blank Escutcheon (L-BE), Von Duprin Series 98/99	326.65	29.38
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*7.45*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*11.17*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*42.21*	
08 71 16 00-2155	EA	Lever - Night Latch (L-NL) With 110NL Cylinder, Von Duprin Series 98/99	335.53	29.38
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*7.72*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*11.57*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*43.72*	
08 71 16 00-2156	EA	Lever - Night Latch (L-NL) Without Cylinder, Von Duprin Series 98/99	271.83	29.38
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*5.81*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*8.71*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*32.90*	
08 71 16 00-2157	EA	Lever Dummy Trim (L-DT), Von Duprin Series 98/99	271.83	29.38
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*5.81*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*8.71*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*32.90*	
08 71 16 00-2158	EA	Knob Trim (K) With 110NL Cylinder, Von Duprin Series 98/99	326.77	29.38
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*7.45*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*11.18*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*42.23*	
08 71 16 00-2159	EA	Knob Trim (K) Without Cylinder, Von Duprin Series 98/99	263.07	29.38
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*5.54*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*8.31*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*31.41*	
08 71 16 00-2160	EA	Knob - Blank Escutcheon (K-BE), Von Duprin Series 98/99	263.07	29.38
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*5.54*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*8.31*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*31.41*	
08 71 16 00-2161	EA	Knob - Night Latch (K-NL) With 110NL Cylinder, Von Duprin Series 98/99	321.83	29.38
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*7.31*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*10.96*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*41.40*	
08 71 16 00-2162	EA	Knob - Night Latch (K-NL) Without Cylinder, Von Duprin Series 98/99	258.13	29.38
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*5.39*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*8.09*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*30.57*	
08 71 16 00-2163	EA	Knob Dummy Trim (K-DT) Without Cylinder, Von Duprin Series 98/99	258.13	29.38
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*5.39*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*8.09*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*30.57*	
08 71 16 00-2164	EA	Thumbpiece Trim (TP) With 110NL Cylinder, Von Duprin Series 98/99	294.97	29.38
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*6.50*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*9.75*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*36.83*	
08 71 16 00-2165	EA	Thumbpiece Trim (TP) Without Cylinder, Von Duprin Series 98/99	231.27	29.38
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*4.59*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*6.88*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*26.00*	
08 71 16 00-2166	EA	Thumbpiece - Blank Escutcheon (T-BE), Von Duprin Series 98/99	231.27	29.38
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*4.59*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*6.88*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*26.00*	
08 71 16 00-2167	EA	Push/Pull Hospital Latch Trim (HL) With 110NL Cylinder, Von Duprin Series 98/99	248.62	29.38
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*5.11*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*7.66*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*28.95*	

08 71 16 00-2168 Option And Kits For Series 22, 33, 35, 98 Or 99 *(08 71 16 00-2087)*

08 71 16 00-2169	EA	Alarm Kit With Switch And 9 Volt Battery Back-up	644.47	29.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-2170	EA	Power Supply For Chexit Or Electric Latch Devices (Von Duprin PS914) Note: 4 amp @ 12 volt DC, 2 amp @ 24 volt DC.	495.96	29.38
		For Battery Backup (Includes Board And 2 Batteries), Add	*66.45*	
		For Fire Alarm Interface, Add	*33.22*	
		For 2 Relay Panic Device Control Board, Add	*96.35*	
		For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	*112.95*	
		For 4 Relay Output Board, Add	*93.02*	
		For 4 Relay Logic Board, Add	*255.13*	
		For Fused 8 Zone Distribution Board, Add	*33.22*	
08 71 16 00-2171	EA	Jamb Mounted Concealed Electric Power Transfer (Von Duprin EPT-10)	463.01	29.38
08 71 16 00-2172	EA	Power Supply, 2 Amp (Von Duprin PS902) Note: 2A@12/24 VDC	215.75	29.38
		For Battery Backup (Includes Board And 2 Batteries), Add	*66.45*	
		For Fire Alarm Interface, Add	*33.22*	
		For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	*112.95*	
		For 4 Relay Output Board, Add	*93.02*	
		For 4 Relay Logic Board, Add	*255.13*	
		For Fused 8 Zone Distribution Board, Add	*33.22*	
08 71 16 00-2173	EA	Power Supply, 4 Amp (Von Duprin PS904) Note: 4A@12/24 VDC	337.36	29.38
		For Battery Backup (Includes Board And 2 Batteries), Add	*66.45*	
		For Fire Alarm Interface, Add	*33.22*	
		For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	*112.95*	
		For 4 Relay Output Board, Add	*93.02*	
		For 4 Relay Logic Board, Add	*255.13*	
		For Fused 8 Zone Distribution Board, Add	*33.22*	
08 71 16 00-2174	EA	Request to Exit Push Pad Monitor Switch (RX)	143.87	19.58

08 71 16 00-2175 Removable Verticals, Mullions (Von Duprin) *(08 71 16 00-2087)*

08 71 16 00-2176	EA	7'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-72) Note: For use with Von Duprin Panic rim devices.	377.33	19.58
		For Owner Furnished Material, Deduct	*-299.00*	
08 71 16 00-2177	EA	8'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-82) Note: For use with Von Duprin Panic rim devices.	400.73	19.58
		For Owner Furnished Material, Deduct	*-322.40*	
08 71 16 00-2178	EA	10'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-102) Note: For use with Von Duprin Panic rim devices.	653.13	19.58
		For Owner Furnished Material, Deduct	*-574.80*	
08 71 16 00-2179	EA	7'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-76) Note: For use with Von Duprin Panic rim devices.	642.60	23.50
		For Owner Furnished Material, Deduct	*-548.60*	
08 71 16 00-2180	EA	8'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-86) Note: For use with Von Duprin Panic rim devices.	666.00	23.50
		For Owner Furnished Material, Deduct	*-572.00*	
08 71 16 00-2181	EA	10'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-106) Note: For use with Von Duprin Panic rim devices.	717.35	23.50
		For Owner Furnished Material, Deduct	*-623.35*	
08 71 16 00-2182	EA	7'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-73) Note: For use with Von Duprin Panic rim devices.	541.13	19.58
		For Owner Furnished Material, Deduct	*-462.80*	
08 71 16 00-2183	EA	8'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-83) Note: For use with Von Duprin Panic rim devices.	565.18	19.58
		For Owner Furnished Material, Deduct	*-486.85*	
08 71 16 00-2184	EA	10'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-103) Note: For use with Von Duprin Panic rim devices.	613.93	19.58
		For Owner Furnished Material, Deduct	*-535.60*	
08 71 16 00-2185	EA	7'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-75) Note: For use with Von Duprin Panic rim devices.	831.75	23.50
		For Owner Furnished Material, Deduct	*-737.75*	
08 71 16 00-2186	EA	8'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-85) Note: For use with Von Duprin Panic rim devices.	855.80	23.50
		For Owner Furnished Material, Deduct	*-761.80*	
08 71 16 00-2187	EA	10'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-105) Note: For use with Von Duprin Panic rim devices.	1,611.56	23.50
		For Owner Furnished Material, Deduct	*-1,517.56*	
08 71 16 00-2188	EA	Mullion Stabilizer Set (Von Duprin 154) Note: For use with Von Duprin Panic rim devices.	80.08	15.67
		For Owner Furnished Material, Deduct	*-48.75*	

08 71 16 00-2189 Cross Bar Exit Device, Narrow Stile, Von Duprin Series 55 *(08 71 16 00-2087)*

Note: Grade 1, BHMA 156.3.

08 71 16 00-2190	EA	42" Crossbar Exit Device, Rim Type, Narrow Stile Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 55.	1,476.51	88.13
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*156.43*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*180.02*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*237.13*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*258.23*	
08 71 16 00-2191	EA	42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547.	1,902.64	121.42
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*198.77*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*228.74*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*301.31*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*328.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-2192	EA	42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile, Fire Rated	2,078.79	121.42
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*220.97*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*254.29*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*334.96*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*364.77*	
08 71 16 00-2193	EA	42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile	1,946.19	121.42
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*204.26*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*235.06*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*309.63*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*337.19*	
08 71 16 00-2194	EA	42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile, Fire Rated	2,117.14	121.42
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*225.80*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*259.85*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*342.28*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*372.75*	
08 71 16 00-2195	EA	42" Crossbar Exit Device, Mortise Lock, Narrow Stile	1,478.06	109.67
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*149.22*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*171.72*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*226.20*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*246.33*	
08 71 16 00-2196	EA	42" Crossbar Exit Device, Mortise Lock, Narrow Stile, Fire Rated	1,593.11	109.67
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*163.72*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*188.41*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*248.18*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*270.26*	
08 71 16 00-2197	EA	Dummy Trim (DT) Pull Bracket, Von Duprin Series 55	253.02	14.69
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*26.95*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*31.01*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*40.85*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*44.48*	
08 71 16 00-2198	EA	Cylinder Assembly, Von Duprin Series 55	115.28	20.76
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*7.62*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*8.77*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*11.55*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*12.57*	
08 71 16 00-2199	EA	Night Latch Pull Trim (NL) With Cylinder, Von Duprin Series 55	426.63	20.76
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*46.85*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*53.91*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*71.01*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*77.33*	
08 71 16 00-2200	EA	Thumbturn Trim (376T) With Cylinder, Von Duprin Series 55	457.93	29.38
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*47.83*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*55.04*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*72.50*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*78.96*	
08 71 16 00-2201	EA	Thumbturn - Blank Escutcheon (376T-BE), Von Duprin Series 55	373.43	29.38
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*37.18*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*42.79*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*56.36*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*61.38*	
08 71 16 00-2202	EA	Lever Trim (371L) With Cylinder, Von Duprin Series 55	457.93	29.38
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*47.83*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*55.04*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*72.50*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*78.96*	
08 71 16 00-2203	EA	Lever Trim (575L) With Cylinder, Von Duprin Series 55	526.83	29.38
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*56.51*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*65.03*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*85.66*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*93.29*	
08 71 16 00-2204		**Cross Bar Exit Device, Von Duprin Series 88** *(08 71 16 00-2087)*		
		Note: Grade 1, BHMA 156.3.		
08 71 16 00-2205	EA	42" Crossbar Exit Device, Rim Type	938.96	88.13
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 88.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*21.82*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*22.53*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*192.18*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*192.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-2206	EA	42" Crossbar Exit Device, Rim Type, Fire Rated	1,094.31	88.13
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 88-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*26.64*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*27.50*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*234.59*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*234.59*	
08 71 16 00-2207	EA	42" Crossbar Exit Device, Surface Vertical Rods	1,214.11	105.75
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8827.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*28.90*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*29.83*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*254.46*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*254.46*	
08 71 16 00-2208	EA	42" Crossbar Exit Device, Surface Vertical Rods, Fire Rated	1,550.16	105.75
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8827-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*39.31*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*40.58*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*346.20*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*346.20*	
08 71 16 00-2209	EA	42" Crossbar Exit Device, Concealed Vertical Rods	1,172.63	121.42
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8847.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*26.27*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*27.12*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*231.38*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*231.38*	
08 71 16 00-2210	EA	42" Crossbar Exit Device, Concealed Vertical Rods, Fire Rated	1,478.19	121.42
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8847-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*35.75*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*36.90*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*314.80*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*314.80*	
08 71 16 00-2211	EA	42" Crossbar Exit Device, Mortise Lock	1,255.76	109.67
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8875.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*29.82*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*30.78*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*262.63*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*262.63*	
08 71 16 00-2212	EA	42" Crossbar Exit Device, Mortise Lock, Fire Rated	1,335.06	109.67
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8875-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*32.28*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*33.32*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*284.27*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*284.27*	
08 71 16 00-2213	EA	Dummy Trim (DT), Von Duprin Series 88	141.87	14.69
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*3.18*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*3.29*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*28.04*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*28.04*	
08 71 16 00-2214	EA	Night Latch Pull Trim (NL) With Cylinder, Von Duprin Series 88	227.08	19.58
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*5.34*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*5.51*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*47.02*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*47.02*	
08 71 16 00-2215	EA	Thumbturn Trim (376T Or 377T) With Cylinder, Von Duprin Series 88	394.23	29.38
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*9.79*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*10.11*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*86.24*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*86.24*	
08 71 16 00-2216	EA	Lever Trim (373L) With Cylinder, Von Duprin Series 88	368.23	29.38
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*8.99*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*9.28*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*79.14*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*79.14*	
08 71 16 00-2217	EA	Knob Trim (K) With Cylinder, Von Duprin Series 88	280.48	29.38
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*6.27*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*6.47*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*55.19*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*55.19*	
08 71 16 00-2218	EA	Thumbpiece Trim (TP) With Cylinder, Von Duprin Series 88	280.48	29.38
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*6.27*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*6.47*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*55.19*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*55.19*	
08 71 16 00-2219		Push Bar Exit Device, Precision Hardware Apex 2000 Series *(08 71 16 00-2087)*		
		Note: Grade 1, BHMA 156.3. Anodized Aluminum Finish.		
08 71 16 00-2220	EA	3' Push Bar Exit Device, Rim Type (Precision Hardware 2100 Series)	900.20	88.13
		For 4' Push Bar, Add	*13.00*	
		For Owner Furnished Material, Deduct	*-665.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-2221	EA	3' Push Bar Exit Device, Rim Type, Fire Rated (Precision Hardware 2100 Series)	945.90	88.13
		For 4' Push Bar, Add	*13.00*	
		For Owner Furnished Material, Deduct	*-710.89*	
08 71 16 00-2222	EA	3' Push Bar Exit Device, Surface Vertical Rod (Top Only) (Precision Hardware 2200 Series)	1,220.85	105.75
		For 4' Push Bar, Add	*13.00*	
		For Owner Furnished Material, Deduct	*-938.84*	
08 71 16 00-2223	EA	3' Push Bar Exit Device, Surface Vertical Rod (Top Only), Fire Rated (Precision Hardware 2200 Series)	1,266.55	105.75
		For 4' Push Bar, Add	*13.00*	
		For Owner Furnished Material, Deduct	*-984.54*	
08 71 16 00-2224	EA	Exit Only, Cover Plate, Lever/Knob Trim (Precision 4901)	110.72	11.75
		For Owner Furnished Material, Deduct	*-79.39*	
08 71 16 00-2225	EA	Exit Only, Dummy Trim, Lever/Knob Trim (Precision 4902A)	280.34	14.69
		For Owner Furnished Material, Deduct	*-241.17*	
08 71 16 00-2226	EA	Key Retracts Latchbolt, Lever/Knob Trim (Precision 4903A)	319.50	29.38
		For Owner Furnished Material, Deduct	*-241.17*	
08 71 16 00-2227	EA	Key Controls Lever/Knob, Lever/Knob Trim (Precision 4908A)	379.65	29.38
		For Owner Furnished Material, Deduct	*-301.32*	
08 71 16 00-2228	EA	Key Controls Lever, Lever/Knob Trim (Precision V4908A)	379.65	29.38
		For Owner Furnished Material, Deduct	*-301.32*	
08 71 16 00-2229	EA	Lever/Knob Always Active, Lever/Knob Trim (Precision 4914A)	379.65	29.38
		For Owner Furnished Material, Deduct	*-301.32*	
08 71 16 00-2230	EA	Exit Only, Cover Plate, Pull Trim (Precision 1701)	84.25	11.75
		For Owner Furnished Material, Deduct	*-52.92*	
08 71 16 00-2231	EA	Exit Only, Dummy Trim, Pull Trim (Precision 1702A)	170.28	14.69
		For Owner Furnished Material, Deduct	*-131.11*	
08 71 16 00-2232	EA	Key Retracts Latchbolt, Pull Trim (Precision 1703A)	185.94	19.58
		For Owner Furnished Material, Deduct	*-131.11*	
08 71 16 00-2233	EA	Key Controls Thumb Piece, Pull Trim (Precision 1705A)	262.36	29.38
		For Owner Furnished Material, Deduct	*-184.03*	
08 71 16 00-2234	EA	Thumb Piece Always Active, Pull Trim (Precision 1715A)	262.36	29.38
		For Owner Furnished Material, Deduct	*-184.03*	

08 71 16 00-2235 Door Closers *(08 71 16)*

Note: Includes standard cover and arm.

08 71 16 00-2236	EA	Surface Mounted Standard Duty Door Closer (LCN 1460 Series)	293.27	22.71
		For Delayed Action, Add	*12.60*	
		For AVB (5 LB Per Push), Add	*6.60*	
		For Fusible Link Arm, Add	*39.60*	
		For Shock Absorbing Arm, Add	*19.80*	
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	
		For Parallel Arm, Add	*22.40*	
08 71 16 00-2237	EA	Surface Mounted Heavy Duty Door Closer (LCN 4010/4020/4110 Series)	353.02	22.71
		For Delayed Action, Add	*12.60*	
		For AVB (5 LB Per Push), Add	*6.60*	
		For Fusible Link Arm, Add	*39.60*	
		For Shock Absorbing Arm, Add	*19.80*	
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	
08 71 16 00-2238	EA	Surface Mounted Heavy Duty Door Closer (LCN 4040XP/4041 Series)	362.52	22.71
		For Delayed Action, Add	*12.60*	
		For AVB (5 LB Per Push), Add	*6.60*	
		For Fusible Link Arm, Add	*39.60*	
		For Shock Absorbing Arm, Add	*19.80*	
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	
		For Spring Cush Arm, Add	*67.20*	
		For Parallel Arm And PA Shoe, Add	*22.40*	
		For Stainless Steel Finish, Add	*145.00*	
08 71 16 00-2239	EA	Surface Mounted High Security Door Closer, Metal Cover (LCN 4510)	374.41	22.71
		For Delayed Action, Add	*12.60*	
		For AVB (5 LB Per Push), Add	*6.60*	
		For Fusible Link Arm, Add	*39.60*	
		For Shock Absorbing Arm, Add	*19.80*	
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	
08 71 16 00-2240	EA	Surface Mounted Standard Duty Door Closer (Norton 8301)	248.52	22.71
		For Parallel Arm, Add	*22.40*	
08 71 16 00-2241	EA	Surface Mounted Standard Duty Door Closer (Norton 8501)	250.52	22.71
		For Parallel Arm, Add	*22.40*	

08 71 16 00-2242 Concealed Door Closers *(08 71 16)*

08 71 16 00-2243	EA	Floor Concealed Door Closer, Non Hold Open (Rixson 27/28)	830.07	67.37
08 71 16 00-2244	EA	Floor Concealed Door Closer, Selective Hold Open (Rixson 27/27)	886.07	67.37
08 71 16 00-2245	EA	Concealed (In Door) Overhead Door Closer (LCN 3130)	417.11	27.42
		For Delayed Action, Add	*12.60*	
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-2246	EA	Concealed (In Frame) Overhead Door Closer (LCN 5010)	449.87	27.42
		For Delayed Action, Add	*12.60*	
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	

08 71 16 00-2247 Locks And Latches *(08 71 16)*

Note: All locksets are supplied with knob, lever or thumb piece, set of 3 keys and include construction cores. Multi purchase locksets are keyed alike and to the existing master key. The cost for boring hole or preparing mortise is included with the new door.

08 71 16 00-2248 Locksmith Services *(08 71 16 00-2247)*

08 71 16 00-2249	EA	Provide Extra Keys (Above The Three Provided For New Locks) Or Duplicate Keys	1.13	
		For >50, Deduct	*-0.23*	
08 71 16 00-2250	EA	Rekey Existing Cylinder To Match Existing Cylinders Or Master Key	94.04	
		For >5, Deduct	*-9.40*	
08 71 16 00-2251	EA	Replace Cylinder With Owner Supplied Cylinder	94.04	
		For >5, Deduct	*-9.40*	
08 71 16 00-2252	EA	Replace Cylinder With New Cylinder Note: Excludes core.	106.03	
		For >5, Deduct	*-9.40*	
08 71 16 00-2253	EA	Open Locked Doors	94.04	
08 71 16 00-2254	EA	Install Owner Furnished Cores And Cylinders	39.49	

08 71 16 00-2255 Mortise Locksets And Latchsets *(08 71 16 00-2247)*

Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.13 Grade 1. Levers or knobs.

08 71 16 00-2256	EA	Passage/Closet F01 Mortise Latchset Note: Both sides always unlocked.	331.31	19.58
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*8.35*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*7.59*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*12.65*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*89.30*	
08 71 16 00-2257	EA	Bath/Bedroom Privacy F02 Mortise Lockset Note: Locked with thumb knob inside.	387.52	19.58
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*10.20*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*9.28*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*15.46*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*109.14*	
08 71 16 00-2258	EA	Entrance/Office F04 Mortise Lockset Note: Locked with key outside and thumb knob inside.	427.28	19.58
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*11.52*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*10.47*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*17.45*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*123.18*	
08 71 16 00-2259	EA	Classroom F05 Mortise Lockset Note: Locked with key outside. Inside always unlocked.	401.16	19.58
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*10.65*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*9.68*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*16.14*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*113.96*	
		For Security Function (Double Cylinder) With Visual Indicator, Add	*39.33*	
08 71 16 00-2260	EA	Storeroom/Closet F07 Mortise Lockset Note: Locked with key outside. Inside always unlocked. Fixed outside handle.	401.16	19.58
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*10.65*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*9.68*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*16.14*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*113.96*	
08 71 16 00-2261	EA	Entrance F08 Mortise Lockset Note: Locked with key outside and thumb knob inside.	443.93	19.58
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*12.06*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*10.97*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*18.28*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*129.06*	
08 71 16 00-2262	EA	Dormitory/Exit F13 Mortise Lockset Note: Locked with key outside and thumb knob inside.	387.13	19.58
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*10.19*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*9.26*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*15.44*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*109.01*	

08 71 16 00-2263 Locks And Latches *(08 71 16 00-2247)*

08 71 16 00-2264 Preassembled Locks And Latches *(08 71 16 00-2263)*

Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989 Grade 1, with knob handles.

08 71 16 00-2265	EA	Passage/Closet F36 Pre-Assembled Latchset Note: Both sides always unlocked.	554.73	19.58
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*14.29*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*23.82*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*168.17*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*88.61*	
		For Grade 2 With Lever Handles, Deduct	*-185.32*	
		For Grade 2 With Knobs, Deduct	*-319.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-2266	EA	Bath/Bedroom Privacy F37 Pre-Assembled Lockset	596.38	19.58
		Note: Locked with push button inside.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*15.54*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*25.90*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*182.87*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*96.36*	
		For Grade 2 With Lever Handles, Deduct	*-201.52*	
		For Grade 2 With Knobs, Deduct	*-347.09*	
08 71 16 00-2267	EA	Entrance/Office F41 Pre-Assembled Lockset	671.06	19.58
		Note: Locked with key outside and push button inside.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*17.78*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*29.64*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*209.23*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*110.25*	
		For Grade 2 With Lever Handles, Deduct	*-230.57*	
		For Grade 2 With Knobs, Deduct	*-397.13*	
08 71 16 00-2268	EA	Classroom F42 Pre-Assembled Lockset	671.06	19.58
		Note: Locked with key outside. Inside always unlocked.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*17.78*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*29.64*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*209.23*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*110.25*	
		For Grade 2 With Lever Handles, Deduct	*-230.57*	
		For Grade 2 With Knobs, Deduct	*-397.13*	
08 71 16 00-2269	EA	Storeroom/Closet F44 Pre-Assembled Lockset	671.06	19.58
		Note: Locked with key outside. Inside always unlocked. Fixed outside handle.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*17.78*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*29.64*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*209.23*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*110.25*	
		For Grade 2 With Lever Handles, Deduct	*-230.57*	
		For Grade 2 With Knobs, Deduct	*-397.13*	

08 71 16 00-2270 Bored Locks And Latches *(08 71 16 00-2263)*

Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989, Grade 1, 6 pins or 7 pins. Levers or knobs.

08 71 16 00-2271	EA	Passage/Closet F75 Bored Latchset	190.19	19.58
		Note: Both sides always unlocked.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*3.36*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*5.59*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*39.49*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*20.81*	
		For Grade 2, Deduct	*-5.59*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*2.24*	
		For Interchangeable Core, Add	*9.45*	
08 71 16 00-2272	EA	Bath/Bedroom Privacy F76 Bored Lockset	216.87	19.58
		Note: Locked with push button inside.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*4.16*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*6.93*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*48.90*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*25.77*	
		For Grade 2, Deduct	*-6.93*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*2.77*	
		For Interchangeable Core, Add	*9.45*	
08 71 16 00-2273	EA	Entrance/Office F82 Bored Lockset	238.37	19.58
		Note: Locked with key outside and push button inside.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*4.80*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*8.00*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*56.49*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*29.77*	
		For Grade 2, Deduct	*-8.00*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*3.20*	
		For Interchangeable Core, Add	*9.45*	
08 71 16 00-2274	EA	Classroom F84 Bored Lockset	238.37	19.58
		Note: Locked with key outside. Inside always unlocked.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*4.80*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*8.00*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*56.49*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*29.77*	
		For Grade 2, Deduct	*-8.00*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*3.20*	
		For Interchangeable Core, Add	*9.45*	
08 71 16 00-2275	EA	Storeroom/Closet F86 Bored Lockset	238.37	19.58
		Note: Locked with key outside. Inside always unlocked. Fixed outside handle.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*4.80*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*8.00*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*56.49*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*29.77*	
		For Grade 2, Deduct	*-8.00*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*3.20*	
		For Interchangeable Core, Add	*9.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-2276	EA	Corridor/Dormitory F90 Bored Lockset Note: Locked with key outside and push button inside.	238.37	19.58
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*4.80*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*8.00*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*56.49*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*29.77*	
		For Grade 2, Deduct	*-8.00*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*3.20*	
		For Interchangeable Core, Add	*9.45*	
08 71 16 00-2277		**Other Locks** *(08 71 16 00-2247)* Note: BHMA A156.5.		
08 71 16 00-2278	EA	Steel Exit Lock With Alarm, Single Door Satin Chrome Plated, BHMA E0421	619.65	101.83
08 71 16 00-2279	EA	Exit Lock With Alarm At Active Leaf And Vertical Rod - Inactive Leaf Rod For Inactive Leaf (Pair Doors) Steel With Satin Chrome Plating BHMA - E0461	1,391.29	203.67
08 71 16 00-2280		**Pushbutton Combination Locks** *(08 71 16 00-2247)*		
08 71 16 00-2281		**Mechanical Pushbutton Combination Locks** *(08 71 16 00-2280)* Note: Passage option allows access without using the lock entry code and is activated from the inside with a thumbturn or key. Lockout option disables the lock from the inside so that the entry code cannot be used to gain access.		
08 71 16 00-2282		**Mechanical Pushbutton Combination Locks (Kaba® Simplex® 1000 Series)** *(08 71 16 00-2281)* Note: Satin chrome or antique brass finish.		
08 71 16 00-2283	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1000 Series)	494.96	49.37
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
08 71 16 00-2284	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1000 Series)	529.96	49.37
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
08 71 16 00-2285	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1000 Series)	543.96	49.37
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
08 71 16 00-2286	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1000 Series)	578.96	49.37
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
08 71 16 00-2287	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1000 Series)	554.46	49.37
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
08 71 16 00-2288	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1000 Series)	589.46	49.37
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
08 71 16 00-2289	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1000 Series)	603.46	49.37
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
08 71 16 00-2290	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1000 Series)	638.46	49.37
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
08 71 16 00-2291		**Mechanical Pushbutton Combination Locks (Kaba® Simplex® 5000 Series)** *(08 71 16 00-2281)* Note: ANSI/BHMA Grade 1, Satin chrome finish or black with satin chrome accents.		
08 71 16 00-2292	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series)	546.06	49.37
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
08 71 16 00-2293	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series)	574.06	49.37
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
08 71 16 00-2294	EA	Five Button, Mortise Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)	630.06	49.37
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
08 71 16 00-2295	EA	Five Button, Mortise Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)	651.06	49.37
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
08 71 16 00-2296	EA	Five Button, Mortise Locking Device With Deadbolt And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)	651.06	49.37
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
08 71 16 00-2297	EA	Five Button, Exit Trim, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)	616.06	49.37
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
08 71 16 00-2298		**Mechanical Pushbutton Combination Locks (Kaba® Simplex® 8100 Series)** *(08 71 16 00-2281)* Note: Satin chrome or antique brass finish.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-2299	EA	Five Button, Mortise Locking Device With Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series)	655.96	49.37
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
08 71 16 00-2300	EA	Five Button, Mortise Locking Device With Deadbolt, Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series)	676.96	49.37
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	

08 71 16 00-2301 Mechanical Pushbutton Combination Locks (Kaba® Simplex® LD 450/470)

(08 71 16 00-2281)

Note: Satin stainless, bright brass or antique brass finish.

08 71 16 00-2302	EA	Twelve Button, Tubular Latch Locking Device, Light Duty, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® LD 450 Series)	294.06	49.37
08 71 16 00-2303	EA	Twelve Button, Tubular Latch Locking Device With Passage, Light Duty, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® LD 470 Series)	386.46	49.37

08 71 16 00-2304 Electrical Pushbutton Combination Locks *(08 71 16 00-2280)*

Note: Privacy option limits access to privileged users (master codes).

08 71 16 00-2305 Electrical Pushbutton Combination Locks (Kaba® E-Plex® 2000 Series) *(08 71 16 00-2304)*

Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 100 access codes and 1,000 audit events.

08 71 16 00-2306	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series)	512.46	49.37
		For Satin Brass Finish, Add	*17.50*	
08 71 16 00-2307	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series)	596.46	49.37
		For Satin Brass Finish, Add	*17.50*	
08 71 16 00-2308	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series)	617.46	49.37
		For Satin Brass Finish, Add	*17.50*	
08 71 16 00-2309	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series)	582.46	49.37
		For Satin Brass Finish, Add	*17.50*	
08 71 16 00-2310	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	547.46	49.37
		For Satin Brass Finish, Add	*17.50*	
08 71 16 00-2311	EA	Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	617.46	49.37
		For Satin Brass Finish, Add	*17.50*	
08 71 16 00-2312	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	631.46	49.37
		For Satin Brass Finish, Add	*17.50*	
08 71 16 00-2313	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	652.46	49.37
		For Satin Brass Finish, Add	*17.50*	
08 71 16 00-2314	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	617.46	49.37
		For Satin Brass Finish, Add	*17.50*	

08 71 16 00-2315 Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3000 Series) *(08 71 16 00-2304)*

Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 300 access codes and 9,000 audit events.

08 71 16 00-2316	EA	Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series)	652.46	49.37
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*85.62*	
		Note: Excludes momentary contact switch.		
08 71 16 00-2317	EA	Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series)	652.46	49.37
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*85.62*	
		Note: Excludes momentary contact switch.		

08 71 16 00-2318 Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3200 Series) *(08 71 16 00-2304)*

Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.

08 71 16 00-2319	EA	Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series)	760.96	49.37
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*85.62*	
		Note: Excludes momentary contact switch.		
08 71 16 00-2320	EA	Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series)	760.96	49.37
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*85.62*	
		Note: Excludes momentary contact switch.		

08 71 16 00-2321 Electrical Pushbutton Combination Locks (Kaba® E-Plex® 5200 Series) *(08 71 16 00-2304)*

Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-2322	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	816.96	49.37
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*85.62*	
		Note: Excludes momentary contact switch.		
08 71 16 00-2323	EA	Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	886.96	49.37
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*85.62*	
		Note: Excludes momentary contact switch.		
08 71 16 00-2324	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	900.96	49.37
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*85.62*	
		Note: Excludes momentary contact switch.		
08 71 16 00-2325	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	921.96	49.37
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*85.62*	
		Note: Excludes momentary contact switch.		
08 71 16 00-2326	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	886.96	49.37
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*85.62*	
		Note: Excludes momentary contact switch.		

08 71 16 00-2327 Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5800 Series) *(08 71 16 00-2304)*

Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.

08 71 16 00-2328	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	1,149.46	49.37
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*85.62*	
		Note: Excludes momentary contact switch.		
08 71 16 00-2329	EA	Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	1,219.46	49.37
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*85.62*	
		Note: Excludes momentary contact switch.		
08 71 16 00-2330	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	1,233.46	49.37
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*85.62*	
		Note: Excludes momentary contact switch.		
08 71 16 00-2331	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	1,254.46	49.37
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*85.62*	
		Note: Excludes momentary contact switch.		
08 71 16 00-2332	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	1,219.46	49.37
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*85.62*	
		Note: Excludes momentary contact switch.		

08 71 16 00-2333 Entry/Egress, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5886 Series) *(08 71 16 00-2304)*

Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.

08 71 16 00-2334	EA	Twelve Button, Mortise Locking Device, Entry/Egress, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5886 Series)	1,625.46	49.37
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*35.00*	

08 71 16 00-2335 Stand Alone Access Controller, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5870 Series) *(08 71 16 00-2304)*

Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-2336	EA	Twelve Button, Stand Alone Access Controller, Electrical Pushbutton Combination Lock/Card Reader (Kaba® E-Plex® 5870 Series)	1,026.96	49.37
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	

08 71 16 00-2337 Electrical Pushbutton Combination Lock Accessories (Kaba® E-Plex®) *(08 71 16 00-2304)*

08 71 16 00-2338	EA	Standard Software Implementation Kit (Kaba® E-Plex®)	507.98	
08 71 16 00-2339	EA	Enterprise Software Implementation Kit (Kaba® E-Plex®)	647.98	
08 71 16 00-2340	EA	E-Plex General FIPS Software Implementation Kit (Kaba® E-Plex®)	857.98	
08 71 16 00-2341	EA	USB FIPS/DESFire Card Reader/Enroller (Kaba® E-Plex®)	257.49	
08 71 16 00-2342	EA	High Capacity Battery Kit (Kaba® E-Plex® E5x00 Series) Note: Includes 4 C-cell battery pack.	78.55	
08 71 16 00-2343	EA	12-24 VDC Power Interface Kit (Kaba® E-Plex® E5x00 Series)	93.25	

08 71 16 00-2344 Self-Powered, Electrical Pushbutton Combination Locks (Kaba® PowerPlex® 2000 Series) *(08 71 16 00-2304)*

Note: ANSI/BHMA Grade 1. Satin chrome finish.

08 71 16 00-2345	EA	Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	634.96	49.37
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-437.50*	
08 71 16 00-2346	EA	Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	718.96	49.37
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-521.50*	
08 71 16 00-2347	EA	Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	739.96	49.37
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-542.50*	
08 71 16 00-2348	EA	Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	704.96	49.37
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-507.50*	
08 71 16 00-2349	EA	Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	669.96	49.37
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-472.50*	
08 71 16 00-2350	EA	Twelve Button, Cylindrical Locking Device With Privacy, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	739.96	49.37
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-542.50*	
08 71 16 00-2351	EA	Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	753.96	49.37
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-556.50*	
08 71 16 00-2352	EA	Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	774.96	49.37
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-577.50*	
08 71 16 00-2353	EA	Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	739.96	49.37
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-542.50*	

08 71 16 00-2354 Electrical Pushbutton Combination Locks (Schlage) *(08 71 16 00-2304)*

Note: ANSI/BHMA Grade 1. Satin chrome finish.

08 71 16 00-2355	EA	Class 100, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO100CY70KP626BD-D)	562.94	48.96
		For Owner Furnished Material, Deduct	*-367.11*	
08 71 16 00-2356	EA	Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70KP-D)	645.36	48.96
		For Owner Furnished Material, Deduct	*-449.53*	
08 71 16 00-2357	EA	Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70MSK626)	722.95	48.96
		For Owner Furnished Material, Deduct	*-527.12*	
08 71 16 00-2358	EA	Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70KP626)	931.66	48.96
		For Owner Furnished Material, Deduct	*-735.83*	
08 71 16 00-2359	EA	Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70MKS626)	1,014.61	48.96
		For Owner Furnished Material, Deduct	*-818.78*	
08 71 16 00-2360	EA	Class 400, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD400CY70MSKSPA626)	1,112.01	48.96
		For Owner Furnished Material, Deduct	*-916.18*	
08 71 16 00-2361	EA	Class 300, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD300CY70MSKSPA626)	1,025.31	48.96
		For Owner Furnished Material, Deduct	*-829.48*	

08 71 16 00-2362 Residential Locks And Latchsets *(08 71 16 00-2247)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-2363	EA	Residential Entry Lockset With Knobs (Master Keyed)	55.44	11.84
08 71 16 00-2364	EA	Residential Privacy Lockset With Knobs	54.53	11.84
08 71 16 00-2365	EA	Residential Passage Lockset With Knobs	54.41	11.84
08 71 16 00-2366	EA	Residential Dummy Lockset With Knobs	43.65	9.87
08 71 16 00-2367	EA	Residential Entry Lockset With Levers (Master Keyed)	61.69	11.84
08 71 16 00-2368	EA	Residential Privacy Lockset With Levers	59.61	11.84
08 71 16 00-2369	EA	Residential Passage Lockset With Levers	58.11	11.84
08 71 16 00-2370	EA	Residential Dummy Lockset With Levers	44.37	9.87
08 71 16 00-2371	EA	Screen Door - Closer	32.71	8.53
08 71 16 00-2372	EA	Screen Door - Locking Handle	37.33	12.24

08 71 16 00-2373 Deadbolts *(08 71 16 00-2247)*

08 71 16 00-2374 Cylindrical Deadbolts, Grade 1, ANSI 156.5 *(08 71 16 00-2373)*

Note: 2-3/8" or 2-3/4" backset.

08 71 16 00-2375	EA	Single Cylinder Deadbolt, Key One Side, Knob One Side Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish.	123.87	19.58
		For Bright Chromium Or Oiled Rubbed Bronze Finish, Add	*4.20*	
08 71 16 00-2376	EA	Double Cylinder Deadbolt, Key Both Sides Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish.	140.07	19.58
		For Bright Chromium Or Oiled Rubbed Bronze Finish, Add	*4.20*	

08 71 16 00-2377 Cylindrical Deadbolts, Grade 2, ANSI 156.5 *(08 71 16 00-2373)*

Note: 2-3/8" or 2-3/4" backset.

08 71 16 00-2378	EA	Single Cylinder Deadbolt, Key One Side, Knob One Side Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish.	112.77	19.58
		For Bright Chromium Or Oiled Rubbed Bronze Finish, Add	*4.20*	
08 71 16 00-2379	EA	Double Cylinder Deadbolt, Key Both Sides Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish.	130.47	19.58
		For Bright Chromium Or Oiled Rubbed Bronze Finish, Add	*4.20*	

08 71 16 00-2380 Small Case Mortised Deadbolts, Grade 1, ANSI 156.5 *(08 71 16 00-2373)*

Note: Interchangeable cores with small case size, 4-1/2" x 3-1/2" nominal.

08 71 16 00-2381	EA	Small Case Mortised Deadbolt, Key One Side, Knob One Side Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).	159.93	19.58
08 71 16 00-2382	EA	Small Case Mortised Deadbolt, Key Both Sides Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal). Also used for Classroom version.	174.93	19.58
08 71 16 00-2383	EA	Small Case Mortised Deadbolt, Key One Side, Cover Plate One Side Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).	156.93	19.58

08 71 16 00-2384 Mortised Deadbolts, Grade 1, ANSI 156.5 *(08 71 16 00-2373)*

Note: Interchangeable cores with standard case size, 4-1/2" x 6" nominal.

08 71 16 00-2385	EA	Mortised Deadbolt, Key One Side, Knob One Side Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).	200.73	19.58
08 71 16 00-2386	EA	Mortised Deadbolt, Key Both Sides Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal). Also used for Classroom version.	225.33	19.58
08 71 16 00-2387	EA	Mortised Deadbolt, Key One Side, Cover Plate One Side Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).	179.73	19.58

08 71 16 00-2388 Surface Mounted Deadbolts *(08 71 16 00-2373)*

08 71 16 00-2389	EA	Single Cylinder Surface Mounted Deadbolt Note: Key one side, knob one side, bright brass finish.	88.60	19.58
		For Brushed Chrome Finish, Add	*10.50*	
08 71 16 00-2390	EA	Double Cylinder Surface Mounted Deadbolt Note: Key both sides, bright brass finish.	99.44	19.58
		For Brushed Chrome Finish, Add	*10.50*	
08 71 16 00-2391	EA	Single Cylinder Surface Mounted Interlocking Deadbolt Note: Jimmy proof, key one side, knob one side, bright brass finish.	108.06	19.58
		For Brushed Chrome Finish, Add	*10.50*	
08 71 16 00-2392	EA	Double Cylinder Surface Mounted Interlocking Deadbolt Note: Jimmy proof, key both sides, bright brass finish.	118.90	19.58
		For Brushed Chrome Finish, Add	*10.50*	

08 71 16 00-2393 Surface Mounted Deadlatches *(08 71 16 00-2247)*

08 71 16 00-2394	EA	Single Cylinder Surface Mounted Deadlatch Note: Key one side, knob one side, bright brass finish.	89.45	19.58
		For Brushed Chrome Finish, Add	*10.50*	
08 71 16 00-2395	EA	Single Cylinder Surface Mounted Interlocking Deadlatch Note: Jimmy proof, key one side, knob one side, bright brass finish.	108.10	19.58
		For Brushed Chrome Finish, Add	*10.50*	

08 71 16 00-2396 Electric Strikes *(08 71 16 00-2247)*

08 71 16 00-2397	EA	Aluminum/Steel Body Electric Strike (Von Duprin 5100)	230.17	39.17
08 71 16 00-2398	EA	Stainless Steel Body Electric Strike For Rim Mounted Lock (Von Duprin 6112)	485.22	39.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-2399	EA	Stainless Steel Body Electric Strike (Von Duprin 6215)	511.20	39.17
08 71 16 00-2400	EA	Dual Voltage Electric Strike, Stainless Steel Body, 12/24 Volts DC, 3,070 LB Static Strength (HES 1006)	364.15	39.17
08 71 16 00-2401	EA	Fire Rated Electric Strike, Stainless Steel Body, 12/24 Volts DC, 3,000 LB Static Strength (HES 4500)	362.13	39.17
08 71 16 00-2402	EA	Low Profile Electric Strike, Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 5000)	188.23	39.17
08 71 16 00-2403	EA	Adjustable Electric Strike, Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 5200)	188.23	39.17
08 71 16 00-2404	EA	Electric Strike With Preload, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength, Cylindrical Or Rim Exit Device (HES 7000)	235.46	39.17
08 71 16 00-2405	EA	Cylindrical Lock Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 7500)	402.52	39.17
08 71 16 00-2406	EA	Compact Concealed Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 8000)	210.11	39.17
08 71 16 00-2407	EA	Fire Rated Compact Concealed Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 8300)	371.66	39.17
08 71 16 00-2408	EA	Fire Rated Concealed Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 8500)	330.94	39.17
08 71 16 00-2409	EA	Slim Line Surface Mounted Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 9400)	395.88	51.70
08 71 16 00-2410	EA	Fire Rated Surface Mounted Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength, Rim Exit Device (HES 9500)	446.67	51.70
08 71 16 00-2411	EA	Surface Mounted Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength, Rim Exit Device (HES 9600)	396.15	51.70

08 71 16 00-2412 Electric Hardware *(08 71 16 00-2247)*

08 71 16 00-2413	EA	Electrified Cylindrical Lock Option Note: Excludes the lock. This task is used in conjunction with other locks in the CTC to electrify the lock.	112.24	
08 71 16 00-2414	EA	Electrified Mortise Lock Option Note: Excludes the lock. This task is used in conjunction with other locks in the CTC to electrify the lock.	129.22	
08 71 16 00-2415	EA	24" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	71.25	19.58
08 71 16 00-2416	EA	1 Amp At 12/24 Volt DC, Door Hardware Power Supply	213.75	19.58
08 71 16 00-2417	EA	3 Amp At 12 Volt DC, 2 Amp At 24 Volt DC, Door Hardware Power Supply	365.28	19.58
08 71 16 00-2418	EA	4.5 Amp At 12 Volt DC, 3 Amp At 24 Volt DC, Door Hardware Power Supply	555.19	19.58
08 71 16 00-2419	EA	6 Amp At 12 Volt DC, 4 Amp At 24 Volt DC, Door Hardware Power Supply	612.99	19.58
08 71 16 00-2420	EA	9 Amp At 12 Volt DC, 6 Amp At 24 Volt DC, Door Hardware Power Supply	730.57	19.58
08 71 16 00-2421	EA	15 Amp At 12 Volt DC, 10 Amp At 24 Volt DC, Door Hardware Power Supply	884.31	19.58
08 71 16 00-2422	EA	18" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	61.36	19.58
08 71 16 00-2423	EA	24" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	62.53	19.58
08 71 16 00-2424	EA	30" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	69.68	19.58
08 71 16 00-2425	EA	45" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	71.10	19.58
08 71 16 00-2426	EA	60" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	71.82	19.58
08 71 16 00-2427	EA	72" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	75.93	19.58
08 71 16 00-2428	EA	12" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	62.10	19.58
08 71 16 00-2429	EA	18" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	67.84	19.58
08 71 16 00-2430	EA	36" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	72.38	19.58
08 71 16 00-2431	EA	49" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	80.22	19.58
08 71 16 00-2432	EA	60" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	82.40	19.58
08 71 16 00-2433	EA	12" Long, 1/2" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	69.27	19.58
08 71 16 00-2434	EA	18" Long, 1/2" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	77.30	19.58
08 71 16 00-2435	EA	18" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	50.20	19.58
08 71 16 00-2436	EA	24" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	56.41	19.58
08 71 16 00-2437	EA	30" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	59.70	19.58
08 71 16 00-2438	EA	36" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	63.21	19.58
08 71 16 00-2439	EA	60" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	81.50	19.58
08 71 16 00-2440	EA	72" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	89.14	19.58
08 71 16 00-2441	EA	12" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	52.74	19.58
08 71 16 00-2442	EA	18" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	55.13	19.58
08 71 16 00-2443	EA	24" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	62.26	19.58
08 71 16 00-2444	EA	36" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	73.61	19.58
08 71 16 00-2445	EA	48" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	83.76	19.58
08 71 16 00-2446	EA	60" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	100.42	19.58
08 71 16 00-2447	EA	12" Long, 1/2" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	56.73	19.58
08 71 16 00-2448	EA	18" Long, 1/2" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	60.40	19.58
08 71 16 00-2449	EA	Two 18 Gauge Wire, Door Frame To Edge Of Door Electrical Power Transfer	378.36	19.58
08 71 16 00-2450	EA	Ten 24 Gauge Wire, Door Frame To Edge Of Door Electrical Power Transfer	414.03	27.42

08 71 16 00-2451 Magnetic Locks *(08 71 16 00-2247)*

08 71 16 00-2452	EA	Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40)	468.25	94.00
08 71 16 00-2453	EA	Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40TJ)	560.08	105.75
08 71 16 00-2454	EA	Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70)	543.70	94.00
08 71 16 00-2455	EA	Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70TJ)	635.37	105.75
08 71 16 00-2456	EA	Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420)	569.90	101.83
08 71 16 00-2457	EA	Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450)	621.64	101.83
08 71 16 00-2458	EA	Electromagnetic Lock, 1500 lb. Holding Force, Aluminum (Schlage M490)	661.92	101.83
08 71 16 00-2459	EA	Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420P) Note: Includes magnetic bond sensor, door position switch and relock time delay.	728.59	117.50
08 71 16 00-2460	EA	Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450P) Note: Includes magnetic bond sensor, door position switch and relock time delay.	797.37	117.50
08 71 16 00-2461	EA	Electromagnetic Lock, 1500 lb. Holding Force, Aluminum (Schlage M490P) Note: Includes magnetic bond sensor, door position switch and relock time delay.	828.35	117.50
08 71 16 00-2462	EA	2 Amp Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS902)	249.13	39.17
08 71 16 00-2463	EA	4 Amp Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS904)	403.66	39.17
08 71 16 00-2464	EA	6 Amp Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS906)	483.98	39.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 16 00-2465		Door Coordinators *(08 71 16)*		
08 71 16 00-2466	EA	32" COR Series Door Coordinator	284.20	24.48
		Note: Satin chrome finish. Includes two mounting brackets.		
		For Anodized Aluminum Finish, Deduct	*-74.51*	
08 71 16 00-2467	EA	42" COR Series Door Coordinator	298.29	25.46
		Note: Satin chrome finish. Includes two mounting brackets.		
		For Anodized Aluminum Finish, Deduct	*-78.58*	
08 71 16 00-2468	EA	52" COR Series Door Coordinator	305.64	26.44
		Note: Satin chrome finish. Includes two mounting brackets.		
		For Anodized Aluminum Finish, Deduct	*-79.96*	
08 71 16 00-2469	EA	60" COR Series Door Coordinator	318.83	27.42
		Note: Satin chrome finish. Includes two mounting brackets.		
		For Anodized Aluminum Finish, Deduct	*-83.66*	
08 71 16 00-2470	EA	72" COR Series Door Coordinator	341.13	28.39
		Note: Satin chrome finish. Includes two mounting brackets.		
		For Anodized Aluminum Finish, Deduct	*-91.02*	
08 71 16 00-2471	EA	Up To 20" Filler Bar For Door Coordinator	68.32	7.83
		For Anodized Aluminum Finish, Deduct	*-14.80*	
08 71 16 00-2472	EA	Up To 32" Filler Bar For Door Coordinator	75.38	8.81
		For Anodized Aluminum Finish, Deduct	*-16.05*	
08 71 16 00-2473	EA	Up To 44" Filler Bar For Door Coordinator	86.38	9.80
		For Anodized Aluminum Finish, Deduct	*-18.88*	
08 71 16 00-2474	EA	CB1 Carry Bar For Door Coordinator	65.47	9.80
		For Anodized Aluminum Finish, Deduct	*-10.52*	
08 71 16 00-2475	EA	7" Projection COR Series Gravity Type Door Coordinator	96.90	14.69
		For Anodized Aluminum Finish, Deduct	*-15.26*	
08 71 16 00-2476	EA	9" Projection COR Series Gravity Type Door Coordinator	103.01	14.69
		For Anodized Aluminum Finish, Deduct	*-17.70*	
08 71 16 00-2477		Removal And Reinstallation Of Door Hardware *(08 71 16)*		
		Note: Includes storage and cleaning.		
08 71 16 00-2478	EA	Remove And Reinstall Door Lockset, Entrance	58.75	
08 71 16 00-2479	EA	Remove And Reinstall Door Lockset, Mortise	94.00	
08 71 16 00-2480	EA	Remove And Reinstall Deadbolt Lock	62.67	
08 71 16 00-2481	PR	Remove And Reinstall Butts/Hinges	15.67	
08 71 16 00-2482	EA	Remove And Reinstall Door Bumper	5.49	
08 71 16 00-2483	EA	Remove And Reinstall Surface Mounted Panic Device	156.66	
08 71 16 00-2484	EA	Remove And Reinstall Kick Plate	19.58	
08 71 16 00-2485	EA	Remove And Reinstall Push Plate	15.67	
08 71 16 00-2486	EA	Remove And Reinstall Surface Mounted Door Closer Or Holder	78.33	
08 71 16 00-2487	EA	Remove And Reinstall Door Handles	11.75	
08 71 16 00-2488		Electromagnetic Door Release *(08 71 16)*		
08 71 16 00-2489	EA	Electro-Magnetic Door Release, Wall Mount, Surface 120 Volt AC, 24 Volt AC/DC, 12 Volt DC	354.56	49.36
08 71 16 00-2490	EA	Electro-Magnetic Door Release, Wall Mount, Recessed 120 Volt AC, 24 Volt AC/DC, 12 Volt DC	346.97	49.36
08 71 16 00-2491	EA	Electro-Magnetic Door Release, Wall Mount, Recessed, Adjustable 120 Volt AC, 24 Volt AC/DC, 12 Volt DC	385.24	49.36
08 71 16 00-2492	EA	Electro-Magnetic Door Release, Wall Mount, Surface Or Recessed, High Hold 24 Volt AC/DC	611.11	49.36
08 71 16 00-2493	EA	Electro-Magnetic Door Release, Sliding Door 24 Volt DC	590.97	49.36
08 71 16 00-2494	EA	Electro-Magnetic Door Release, Overhead Door 120 Volt AC, 24 Volt AC/DC, 12 Volt DC	590.97	49.36
08 71 16 00-2495	EA	Electro-Magnetic Door Release, Floor Mount, Single Door 120 Volt AC, 24 Volt AC/DC, 12 Volt DC	541.71	49.36
08 71 16 00-2496	EA	Electro-Magnetic Door Release, Floor Mount, Back-to-Back Door 120 Volt AC, 24 Volt AC/DC, 12 Volt DC	666.26	49.36
08 71 16 00-2497	EA	Photo Electric Smoke Detector Suitable For Door Holder Release	642.41	49.36
08 71 16 00-2498	EA	Ionization Type Smoke Detector Suitable For Door Holder Release	782.53	49.36
08 71 19		**Weatherstripping And Seals** *(08 71)*		
08 71 19 00-0001		Weather-Stripping And Seals *(08 71 19)*		
08 71 19 00-0002		Astragals *(08 71 19 00-0001)*		
		Note: Astragal and meeting stile seals are used to seal the gap between a pair of doors.		
08 71 19 00-0003		Adhesive Backed Astragals *(08 71 19 00-0002)*		
08 71 19 00-0004	LF	7/16" Width, 9/32" Height, Edge Mount, Single Fin, Adhesive Backed Flexible Astragal (Pemko S771)	3.30	0.58
08 71 19 00-0005	LF	1/2" Width, 3/16" Height, Edge Mount, Double Fin, Adhesive Backed Flexible Astragal (Pemko S772)	3.38	0.58
08 71 19 00-0006	LF	1-1/8" Width, 3/16" Height, Mullion Mount, Adhesive Backed Mullion Gasketing (Pemko 5110)	3.15	0.58
08 71 19 00-0007		Overlapping Astragals *(08 71 19 00-0002)*		
08 71 19 00-0008		Aluminum, Overlapping Astragals *(08 71 19 00-0007)*		
08 71 19 00-0009	LF	2" Width, 1/8" Height, Clear Anodized Aluminum, Overlapping Astragal (Pemko 357C)	12.30	3.52
		For Color Anodized Finish, Add	*1.60*	
08 71 19 00-0010		Stainless Steel, Overlapping Astragals *(08 71 19 00-0007)*		
08 71 19 00-0011	LF	2" Width, 1/8" Height, Stainless Steel, Overlapping Astragal (Pemko 357SS)	30.48	3.52
08 71 19 00-0012		"T" Astragals *(08 71 19 00-0002)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 19 00-0013		Aluminum, "T" Astragals *(08 71 19 00-0012)*		
08 71 19 00-0014	LF	1" Width, 11/16" Height, Mill Aluminum, "T" Astragal (Pemko 359A)	8.98	3.52
		For Color Anodized Finish, Add	*0.71*	
08 71 19 00-0015	LF	Vinyl Insert, 3/4" Width, 1/4" Height, Mill Aluminum, "T" Astragal (Pemko 356AV)	10.67	3.52
		For Color Anodized Finish, Add	*0.74*	
08 71 19 00-0016	LF	Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 355CP)	14.97	3.52
		For Color Anodized Finish, Add	*2.80*	
		For Silicone Insert, Add	*0.63*	
08 71 19 00-0017	LF	Neoprene Sponge Insert, 1-1/8" Width, 1/2" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 352CR)	21.35	3.52
		For Color Anodized Finish, Add	*5.04*	
08 71 19 00-0018		Brass/Bronze, "T" Astragals *(08 71 19 00-0012)*		
08 71 19 00-0019	LF	Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Brass/Bronze, "T" Astragal (Pemko 355BP)	59.71	3.52
		For Silicone Insert, Add	*0.63*	
08 71 19 00-0020		Locking Astragals *(08 71 19 00-0002)*		
08 71 19 00-0021		Outswing Locking Astragals *(08 71 19 00-0020)*		
		Note: Includes two units. A housing containing the locking bolt which fastens to the inactive leaf and a "T" astragal with a seal that fastens to the active leaf.		
08 71 19 00-0022		Aluminum, Outswing Locking Astragals *(08 71 19 00-0021)*		
08 71 19 00-0023	LF	Slide Bolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3443CS)	27.02	3.52
		Note: Includes pile seal at inner door edge and neoprene bottom seal.		
		For Color Anodized Finish, Add	*4.01*	
08 71 19 00-0024	LF	Locking Springbolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3444CS)	31.32	3.52
		Note: Includes pile seal at inner door edge and neoprene bottom seal.		
		For Color Anodized Finish, Add	*4.87*	
08 71 19 00-0025	LF	Slide Bolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3445BDQ)	35.62	3.52
		Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
		For Thermal Break, Add	*1.72*	
08 71 19 00-0026	LF	Locking Springbolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3446BDGQ)	39.91	3.52
		Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
		For Thermal Break, Add	*1.98*	
08 71 19 00-0027		Inswing Locking Astragals *(08 71 19 00-0020)*		
		Note: Includes one unit containing the locking bolt and astragal with seal, which fastens to the inactive leaf.		
08 71 19 00-0028		Wood, Inswing Locking Astragals *(08 71 19 00-0027)*		
08 71 19 00-0029	LF	Flush Bolt, 1-1/4" Width, 1/2" Height, Wood, Inswing Locking Astragal (Pemko 34832)	32.33	3.52
08 71 19 00-0030	LF	Flush Bolt, 1-1/4" Width, 1-3/16" Height, Wood, Inswing Locking Astragal (Pemko 3481Q)	30.74	3.52
		Note: Includes kerf-in foam seal.		
08 71 19 00-0031		Aluminum, Inswing Locking Astragals *(08 71 19 00-0027)*		
08 71 19 00-0032	LF	Slide Bolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3493CV)	18.02	3.52
		Note: Includes pile seal at inner door edge and neoprene bottom seal.		
		For Silicone Insert, Add	*0.63*	
		For Color Anodized Finish, Add	*2.21*	
08 71 19 00-0033	LF	Locking Springbolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3494CV)	21.61	3.52
		Note: Includes pile seal at inner door edge and neoprene bottom seal.		
		For Silicone Insert, Add	*0.63*	
		For Color Anodized Finish, Add	*2.93*	
08 71 19 00-0034	LF	Slide Bolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3495CQ)	19.36	3.52
		Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
		For Magnetic Kerf-In Insert, Add	*0.47*	
		For Color Anodized Finish, Add	*2.48*	
08 71 19 00-0035	LF	Locking Springbolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3496CQ)	22.93	3.52
		Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
		For Magnetic Kerf-In Insert, Add	*0.47*	
		For Color Anodized Finish, Add	*3.19*	
08 71 19 00-0036		Security Astragals *(08 71 19 00-0002)*		
08 71 19 00-0037	LF	Vinyl Seal, 1/2" Thick Cam, 1-3/4" Width, Clear Anodized Aluminum, Security Astragal (Pemko 378C)	16.80	3.52
		For Color Anodized Finish, Add	*9.84*	
08 71 19 00-0038	LF	2-1/4" Width, 10 Gauge Galvanized Steel, Offset Security Bar, Security Astragal (Pemko 3572SP)	32.97	3.52
08 71 19 00-0039		Meeting Stile Astragals *(08 71 19 00-0002)*		
08 71 19 00-0040		One Piece, Meeting Stile Astragals *(08 71 19 00-0039)*		
		Note: Includes an astragal for one door only.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 19 00-0041	LF	1/4" Vinyl Or Pile Insert, 5/32" Width, 13/32" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 369AP)	10.79	3.52
		For Color Anodized Finish, Add	*1.15*	
08 71 19 00-0042	LF	1/4" Neoprene Loop Insert, 7/16" Width, 3/4" Height, Surface/Mortise Mount, Mill Aluminum, One Piece, Meeting Stile Astragal (Pemko 313AN)	16.54	5.24
		For Color Anodized Finish, Add	*2.43*	
08 71 19 00-0043	LF	9/16" Neoprene Loop Insert, 3/4" Width, 1-3/8" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 314CN)	22.08	5.24
		For Color Anodized Finish, Add	*1.16*	
08 71 19 00-0044	LF	15/16" Neoprene Loop Insert, 1-1/8" Width, 1-3/4" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 358CN)	22.71	5.24
		For Color Anodized Finish, Add	*3.06*	
08 71 19 00-0045	LF	1/8" Width, 1-1/2" Height, Side Mount, Spring Bronze, One Piece, Meeting Stile Astragal (Pemko B71)	23.72	5.24

08 71 19 00-0046 Two Piece, Meeting Stile Split Astragals *(08 71 19 00-0039)*

Note: Includes one astragal for each door.

08 71 19 00-0047	LF	1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 297AV)	13.11	5.24
		For Silicone Insert, Add	*0.95*	
		For Color Anodized Finish, Add	*2.65*	
08 71 19 00-0048	LF	1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 316AV)	13.24	5.24
		For Color Anodized Finish, Add	*2.78*	
08 71 19 00-0049	LF	1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 303AV)	13.24	5.24
		For Silicone Insert, Add	*0.95*	
		For Color Anodized Finish, Add	*2.78*	
08 71 19 00-0050	LF	3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 305CN)	20.77	5.24
		For Silicone Insert, Add	*0.63*	
		For Color Anodized Finish, Add	*2.06*	
08 71 19 00-0051	LF	3/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18041CNB)	17.59	5.24
		For Color Anodized Finish, Add	*2.85*	
08 71 19 00-0052	LF	5/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18061CNB)	18.12	5.24
		For Color Anodized Finish, Add	*3.06*	
08 71 19 00-0053	LF	3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29310CV)	21.29	5.24
		For Color Anodized Finish, Add	*5.42*	
		For Silicone Insert, Add	*0.95*	
08 71 19 00-0054	LF	3/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29324CNB)	22.35	5.24
		For Color Anodized Finish, Add	*4.76*	
08 71 19 00-0055	LF	5/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29326CNB)	22.87	5.24
		For Color Anodized Finish, Add	*4.96*	

08 71 19 00-0056 Two Piece, Adjustable Meeting Stile Split Astragals *(08 71 19 00-0039)*

Note: Includes one astragal for each door.

08 71 19 00-0057 Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals *(08 71 19 00-0056)*

08 71 19 00-0058	LF	3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354CP)	38.96	5.24
		For Color Anodized Finish, Add	*7.13*	
		For Silicone Insert, Add	*0.63*	
08 71 19 00-0059	LF	3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351CP)	40.58	5.24
		For Silicone Insert, Add	*0.63*	
		For Color Anodized Finish, Add	*6.02*	

08 71 19 00-0060 Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals *(08 71 19 00-0056)*

08 71 19 00-0061	LF	3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Mortise Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354BP)	172.50	5.24
		For Silicone Insert, Add	*0.63*	
08 71 19 00-0062	LF	3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351BP)	161.17	5.24
		For Silicone Insert, Add	*0.63*	

08 71 19 00-0063 Door Sweeps *(08 71 19 00-0001)*

08 71 19 00-0064 Tack On Door Sweeps *(08 71 19 00-0063)*

08 71 19 00-0065	LF	For Sealing Up To 3/4" Gap, Side Mount, Vinyl Tack On Door Sweep (Pemko V365)	4.97	1.96
08 71 19 00-0066	LF	For Sealing Up To 5/8" Gap, Bottom Mount, Rubber Tack On Door Sweep (Pemko R364)	5.06	1.96
08 71 19 00-0067	LF	For Sealing Up To 1-3/8" Gap, Bottom Mount, Vinyl Tack On Door Sweep (Pemko P361V)	5.32	1.96

08 71 19 00-0068 Aluminum Retainer Door Sweeps *(08 71 19 00-0063)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 19 00-0069		35 Degree, Aluminum Retainer Door Sweeps *(08 71 19 00-0068)*		
		Note: The retainer mounts to the door face with the sweep positioned 35 degrees from the door. Includes clear anodized finish.		
08 71 19 00-0070	LF	5/16" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35041CNB)	11.53	3.91
		For Color Anodized Finish, Add	*1.48*	
08 71 19 00-0071	LF	1/2" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35061CNB)	11.92	3.91
		For Color Anodized Finish, Add	*1.43*	
08 71 19 00-0072		45 Degree, Aluminum Retainer Door Sweeps *(08 71 19 00-0068)*		
		Note: The retainer mounts to the door face with the sweep positioned 45 degrees from the door. Includes clear anodized finish.		
08 71 19 00-0073	LF	1-3/4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45175CNB)	18.14	3.91
		For Color Anodized Finish, Add	*4.12*	
08 71 19 00-0074	LF	2-1/2" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45250CNB)	19.33	3.91
		For Color Anodized Finish, Add	*4.60*	
08 71 19 00-0075	LF	4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45400CNB)	22.76	3.91
		For Color Anodized Finish, Add	*5.97*	
08 71 19 00-0076		90 Degree, Aluminum Retainer Door Sweeps *(08 71 19 00-0068)*		
		Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.		
08 71 19 00-0077	LF	3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90041CNB)	12.85	3.91
		For Color Anodized Finish, Add	*0.50*	
08 71 19 00-0078	LF	5/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90062CNB)	12.85	3.91
		For Color Anodized Finish, Add	*0.50*	
08 71 19 00-0079	LF	1" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90100CNB)	13.65	3.91
		For Color Anodized Finish, Add	*2.04*	
08 71 19 00-0080	LF	1-3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90137CNB)	14.04	3.91
		For Color Anodized Finish, Add	*2.48*	
08 71 19 00-0081	LF	7/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 315CN)	12.32	3.91
		For Color Anodized Finish, Add	*1.12*	
08 71 19 00-0082	LF	11/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 368CN)	15.49	3.91
		For Color Anodized Finish, Add	*1.53*	
08 71 19 00-0083	LF	15/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 321CN)	12.98	3.91
		For Color Anodized Finish, Add	*1.03*	
08 71 19 00-0084	LF	9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 308AV)	9.81	3.91
		Note: Includes mill finish.		
		For Color Anodized Finish, Add	*0.99*	
08 71 19 00-0085	LF	1" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 307AV)	9.81	3.91
		Note: Includes mill finish.		
		For Color Anodized Finish, Add	*0.99*	
08 71 19 00-0086	LF	1-9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 56AV)	10.81	3.91
		Note: Includes mill finish.		
		For Color Anodized Finish, Add	*1.04*	
08 71 19 00-0087		180 Degree, Aluminum Retainer Door Sweeps *(08 71 19 00-0068)*		
		Note: The retainer mounts to the door face with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.		
08 71 19 00-0088		180 Degree, Aluminum Retainer Door Sweeps *(08 71 19 00-0087)*		
08 71 19 00-0089	LF	3/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18041CNB)	11.40	3.91
		For Color Anodized Finish, Add	*1.43*	
08 71 19 00-0090	LF	5/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18061CNB)	11.66	3.91
		For Color Anodized Finish, Add	*1.53*	
08 71 19 00-0091	LF	1" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18100CNB)	13.65	3.91
		For Color Anodized Finish, Add	*2.04*	
08 71 19 00-0092		180 Degree, Concealed Fastener, Aluminum Retainer Door Sweeps *(08 71 19 00-0087)*		
08 71 19 00-0093	LF	3/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29324CNB)	13.77	3.91
		For Color Anodized Finish, Add	*2.38*	
08 71 19 00-0094	LF	5/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29326CNB)	14.04	3.91
		For Color Anodized Finish, Add	*2.48*	
08 71 19 00-0095	LF	1" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 293100CNB)	14.96	3.91
		For Color Anodized Finish, Add	*2.85*	
08 71 19 00-0096		Mortised, Aluminum Retainer Door Sweeps *(08 71 19 00-0068)*		
		Note: The retainer is mortised into the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish. Excludes mortising.		
08 71 19 00-0097	LF	1/4" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5025ASB)	10.21	3.91
08 71 19 00-0098	LF	13/32" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5041ANB)	10.21	3.91
08 71 19 00-0099	LF	5/8" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5061ANB)	10.34	3.91
08 71 19 00-0100		Aluminum Retainer Door Sweeps With Rain Drip *(08 71 19 00-0063)*		
08 71 19 00-0101		90 Degree, Aluminum Retainer Door Sweeps With Rain Drip *(08 71 19 00-0100)*		
		Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 19 00-0102	LF	1/4" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 3452AV)	9.81	3.91
		For Color Anodized Finish, Add	*1.39*	
08 71 19 00-0103	LF	1/2" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 345AV)	11.40	3.91
		For Color Anodized Finish, Add	*1.43*	
08 71 19 00-0104	LF	3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 3452CNB) Note: Includes clear anodized finish.	13.65	3.91
		For Color Anodized Finish, Add	*1.16*	
08 71 19 00-0105	LF	7/16" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 345ANB)	13.91	3.91
		For Color Anodized Finish, Add	*1.22*	
08 71 19 00-0106		Brass/Bronze Retainer Door Sweeps *(08 71 19 00-0063)*		
08 71 19 00-0107		90 Degree, Brass/Bronze Retainer Door Sweeps *(08 71 19 00-0106)* Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.		
08 71 19 00-0108	LF	7/16" Neoprene Insert, 90 Degree, Brass/Bronze Retainer Door Sweep (Pemko 315BN)	12.32	3.91
08 71 19 00-0109		Oak Retainer Door Sweeps *(08 71 19 00-0063)*		
08 71 19 00-0110		90 Degree, Oak Retainer Door Sweeps *(08 71 19 00-0109)* Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.		
08 71 19 00-0111	LF	9/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18062WNB)	12.72	3.91
08 71 19 00-0112	LF	15/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18100WNB)	14.17	3.91
08 71 19 00-0113		Door Shoes And Bottoms *(08 71 19 00-0001)*		
08 71 19 00-0114		Door Shoes *(08 71 19 00-0113)*		
08 71 19 00-0115		Aluminum Retainer Door Shoes *(08 71 19 00-0114)*		
08 71 19 00-0116		Bottom Mount, Aluminum Retainer Door Shoes *(08 71 19 00-0115)*		
08 71 19 00-0117	LF	Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 234AV)	10.61	3.91
		For Color Anodized Finish, Add	*1.11*	
		For Thermo-Plastic Elastomer Insert, Add	*0.68*	
08 71 19 00-0118	LF	Vinyl Insert, 1-3/8" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 209AV)	10.87	3.91
		For Color Anodized Finish, Add	*1.22*	
08 71 19 00-0119	LF	Notched Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 2343AV)	19.10	3.91
		For Color Anodized Finish, Add	*2.25*	
08 71 19 00-0120		Side Mount, Aluminum Retainer Door Shoes *(08 71 19 00-0115)*		
08 71 19 00-0121	LF	Vinyl Insert, 1-3/4" Width, Side Mount, Aluminum Retainers Door Shoe (Pemko 318AV)	12.18	3.91
		For Color Anodized Finish, Add	*1.74*	
		For Thermo-Plastic Elastomer Insert, Add	*0.68*	
08 71 19 00-0122		L Or U Shaped, Aluminum Retainer Door Shoes *(08 71 19 00-0115)*		
08 71 19 00-0123	LF	Vinyl Insert, 1-1/4" Width, L-Shaped, Aluminum Retainer Door Shoe (Pemko 211AV)	11.27	3.91
		For Color Anodized Finish, Add	*1.72*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 71 19 00-0124	LF	Vinyl Insert, 1-3/8" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 220AV)	12.06	3.91
		For Color Anodized Finish, Add	*1.69*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 71 19 00-0125	LF	Vinyl Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 217AV)	12.06	3.91
		For Color Anodized Finish, Add	*1.69*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 71 19 00-0126	LF	Notched Vinyl Insert, 1-5/16" Width, L-Shaped, Aluminum Retainer Door Shoe (Pemko 2113AV)	19.46	3.91
		For Color Anodized Finish, Add	*2.33*	
08 71 19 00-0127	LF	Notched Vinyl Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 2173AV)	19.72	3.91
		For Color Anodized Finish, Add	*2.38*	
08 71 19 00-0128		L Or U Shaped With Rain Drip, Aluminum Retainer Door Shoes *(08 71 19 00-0115)*		
08 71 19 00-0129	LF	Vinyl Insert, 1-1/4" Width, L-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 210AV)	11.27	3.91
		For Color Anodized Finish, Add	*1.72*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 71 19 00-0130	LF	Vinyl Insert, 1-3/8" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 215AV)	12.06	3.91
		For Color Anodized Finish, Add	*1.69*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 71 19 00-0131	LF	Vinyl Insert, 1-3/4" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 216AV)	12.06	3.91
		For Color Anodized Finish, Add	*1.69*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 71 19 00-0132		Vinyl Door Shoes *(08 71 19 00-0114)*		
08 71 19 00-0133	LF	1-3/4" Width, L-Shaped, Vinyl Door Shoe (Pemko V80)	11.84	3.91
08 71 19 00-0134	LF	1-3/4" Width, U-Shaped, Vinyl Door Shoe (Pemko 2170DV)	19.63	3.91
08 71 19 00-0135		Door Bottoms *(08 71 19 00-0113)*		
08 71 19 00-0136		Automatic Door Bottoms *(08 71 19 00-0135)*		

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 19 00-0137		Aluminum Automatic Door Bottoms *(08 71 19 00-0136)*		
08 71 19 00-0138	LF	Sponge Neoprene Insert, 9/16" Width, 1-7/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4131CRL)	27.60	3.91
		For Color Anodized Finish, Add	*3.95*	
08 71 19 00-0139	LF	Sponge Neoprene Insert, 31/32" Width, 2-1/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4301CRL)	39.98	3.91
		For Color Anodized Finish, Add	*6.43*	
08 71 19 00-0140		Door Top Protection *(08 71 19 00-0001)*		
08 71 19 00-0141	LF	Aluminum, Door Top Cover For 1-3/8" Wood Doors (Pemko PA343)	9.55	3.13
		For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add	*0.90*	
08 71 19 00-0142	LF	Aluminum, Door Top Cover For 1-3/4" Wood Doors (Pemko PA344)	9.55	3.13
		For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add	*0.90*	
08 71 19 00-0143	LF	2-1/2" Aluminum Overhead Rain Drip With Slotted Holes (Pemko 346C)	11.86	3.13
		For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add	*1.53*	
08 71 19 00-0144	EA	For 20 Oz Copper Drip Cap For Exterior Door	96.16	
08 71 19 00-0145		Perimeter Gasketing Weather-Strip *(08 71 19 00-0001)*		
		Note: Perimeter gasketing is used to seal the gap around the top and the two sides of a door assembly.		
08 71 19 00-0146		Adhesive Backed Perimeter Gasketing Weather-Strip *(08 71 19 00-0145)*		
08 71 19 00-0147	LF	3/8" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK33)	3.02	1.96
		For Intumescent Seal, Add	*1.50*	
08 71 19 00-0148	LF	1/2" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK55)	3.06	1.96
		For Intumescent Seal, Add	*1.50*	
08 71 19 00-0149	LF	1/2" x 1/4", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S88)	3.49	1.96
08 71 19 00-0150	LF	7/16" x 5/16", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S44)	3.35	1.96
08 71 19 00-0151	LF	5/16" x 1/2", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S77)	3.80	1.96
		For Intumescent Seal, Add	*1.50*	
08 71 19 00-0152	LF	1/2" x 3/8", Silicone Triple Fin, Hospitality, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S773)	4.16	1.96
		For Intumescent Seal, Add	*1.50*	
08 71 19 00-0153	LF	7/16" x 5/16", Intumescent And Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS44)	5.61	1.96
08 71 19 00-0154	LF	1/2" x 1/4", Intumescent And Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS88)	5.39	1.96
08 71 19 00-0155		Kerf-In Perimeter Gasketing Weather-Strip *(08 71 19 00-0145)*		
08 71 19 00-0156	LF	3/8" x 1/4" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko P50)	2.66	1.96
08 71 19 00-0157	LF	7/16" x 3/8" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko S52)	4.13	1.96
08 71 19 00-0158	LF	3/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q103)	3.02	1.96
08 71 19 00-0159	LF	5/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q102)	2.97	1.96
08 71 19 00-0160	LF	3/8" Magnetic, Kerf-In Perimeter Gasketing Weather-Strip (Pemko MAG349)	3.97	1.96
08 71 19 00-0161		Cushion/Spring Perimeter Gasketing Weather-Strip *(08 71 19 00-0145)*		
08 71 19 00-0162		Spring Bronze Perimeter Gasketing Weather-Strip *(08 71 19 00-0161)*		
08 71 19 00-0163	LF	1-1/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70C)	6.50	1.96
08 71 19 00-0164	LF	1-1/4" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70D)	7.02	1.96
08 71 19 00-0165	LF	1-3/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70E)	7.65	1.96
08 71 19 00-0166	LF	1-1/2" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70F)	7.76	1.96
08 71 19 00-0167		Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip *(08 71 19 00-0161)*		
08 71 19 00-0168	LF	5/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B73)	6.64	1.96
08 71 19 00-0169	LF	7/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B74)	7.57	1.96
08 71 19 00-0170	LF	1-1/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B75)	8.88	1.96
08 71 19 00-0171		Aluminum Retainer, Perimeter Gasketing Weather-Strip *(08 71 19 00-0145)*		
08 71 19 00-0172		Aluminum Retainer, Perimeter Gasketing Weather-Strip *(08 71 19 00-0171)*		
08 71 19 00-0173	LF	1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 297AV)	5.24	1.96
		For Silicone Insert, Add	*0.95*	
		For Color Anodized Finish, Add	*1.33*	
08 71 19 00-0174	LF	1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 316AV)	5.30	1.96
		For Silicone Insert, Add	*0.95*	
		For Color Anodized Finish, Add	*1.39*	
08 71 19 00-0175	LF	1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 303AV)	5.30	1.96
		For Silicone Insert, Add	*0.95*	
		For Color Anodized Finish, Add	*1.39*	
08 71 19 00-0176	LF	3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 305CN)	9.06	1.96
		For Silicone Insert, Add	*0.63*	
		For Color Anodized Finish, Add	*1.03*	

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08 71 19 00-0177	LF	3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip With Concealed Fasteners (Pemko 29310CV)	9.33	1.96
		For Color Anodized Finish, Add	*2.71*	
		For Silicone Insert, Add	*0.95*	
08 71 19 00-0178	LF	Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 375CR)	9.33	1.96
		For Color Anodized Finish, Add	*1.90*	
08 71 19 00-0179		Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip *(08 71 19 00-0171)*		
08 71 19 00-0180		Standard Jamb, Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip *(08 71 19 00-0179)*		
08 71 19 00-0181	LF	1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 290AV)	9.99	1.96
		For Silicone Insert, Add	*0.95*	
08 71 19 00-0182		Head Section, Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip *(08 71 19 00-0179)*		
08 71 19 00-0183	LF	1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Head Section, Heavy Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 2891AV)	11.18	1.96
08 71 19 00-0184		Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip *(08 71 19 00-0145)*		
08 71 19 00-0185		Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip *(08 71 19 00-0184)*		
08 71 19 00-0186	LF	3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 305BR)	19.64	1.96
		For Silicone Insert, Add	*1.58*	
08 71 19 00-0187	LF	Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 375BR)	39.79	1.96
08 71 19 00-0188		Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip *(08 71 19 00-0184)*		
08 71 19 00-0189		Standard Jamb, Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip *(08 71 19 00-0188)*		
08 71 19 00-0190	LF	1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 290BV)	41.10	1.96
		For Silicone Insert, Add	*0.63*	
08 71 19 00-0191		Aluminum Interlock, Perimeter Gasketing Weather-Strip *(08 71 19 00-0145)*		
08 71 19 00-0192	LF	Side Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 335AR, 336A) Note: For weather-stripping latch or hinge side of door. Includes aluminum interlocking devices for door and door frame.	14.05	3.91
		For Color Anodized Finish, Add	*2.49*	
08 71 19 00-0193	LF	Top Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 347A, 68AR) Note: For weather-stripping the top of doors. Includes rain drip shield and aluminum interlocking devices for door and door frame.	14.57	3.91
		For Color Anodized Finish, Add	*2.70*	
08 71 19 00-0194		Adjustable Aluminum Retainer, Perimeter Gasketing Weather-Strip *(08 71 19 00-0145)* Note: Seals gaps from 1/16" to 1/4".		
08 71 19 00-0195	LF	Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Stop Gasketing Weather-Strip (Pemko 350CSR)	18.71	1.96
		For Color Anodized Finish, Add	*2.96*	
08 71 19 00-0196	LF	Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Jamb Gasketing Weather-Strip (Pemko 350CR)	19.76	1.96
		For Color Anodized Finish, Add	*3.17*	
08 71 21		**Thresholds** *(08 71)*		
08 71 21 00-0001		Thresholds *(08 71 21)* Note: Includes material, fasteners, installation, caulk and sealants.		
08 71 21 00-0002		Metal Thresholds *(08 71 21 00-0001)*		
08 71 21 00-0003		Saddle Thresholds *(08 71 21 00-0002)*		
08 71 21 00-0004		Aluminum Saddle Thresholds *(08 71 21 00-0003)* Note: Includes mill finish.		
08 71 21 00-0005		3/16" Height, Aluminum Saddle Thresholds *(08 71 21 00-0004)*		
08 71 21 00-0006	LF	2-1/4" Width, 3/16" Height, Aluminum Saddle Threshold (Pemko 173A)	20.29	6.26
		For Color Anodized Finish, Add	*1.85*	
08 71 21 00-0007		1/4" Height, Aluminum Saddle Thresholds *(08 71 21 00-0004)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 21 00-0008	LF	3" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 151A)	22.27	6.26
		For Color Anodized Finish, Add	*2.64*	
08 71 21 00-0009	LF	4" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 270A)	26.04	7.83
		For Color Anodized Finish, Add	*4.53*	
08 71 21 00-0010	LF	5" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 271A)	29.74	7.83
		For Color Anodized Finish, Add	*5.09*	
08 71 21 00-0011	LF	6" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 272A)	32.26	7.83
		For Color Anodized Finish, Add	*4.44*	
08 71 21 00-0012	LF	7" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 276A)	36.75	7.83
		For Color Anodized Finish, Add	*4.30*	
08 71 21 00-0013	LF	8" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2748A)	42.52	9.40
		For Color Anodized Finish, Add	*4.76*	
08 71 21 00-0014	LF	9" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2749A)	46.47	9.40
		For Color Anodized Finish, Add	*5.75*	
08 71 21 00-0015	LF	10" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2750A)	50.31	9.40
		For Color Anodized Finish, Add	*6.71*	

08 71 21 00-0016 5/16" Height, Aluminum Saddle Thresholds *(08 71 21 00-0004)*

08 71 21 00-0017	LF	2-1/2" Width, 5/16" Height, Aluminum Saddle Threshold (Pemko 166A)	22.00	6.26
		For Color Anodized Finish, Add	*2.22*	

08 71 21 00-0018 1/2" Height, Aluminum Saddle Thresholds *(08 71 21 00-0004)*

08 71 21 00-0019	LF	3" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 169A)	22.13	6.26
		For Color Anodized Finish, Add	*3.24*	
08 71 21 00-0020	LF	4" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 170A)	26.18	7.83
		For Color Anodized Finish, Add	*4.63*	
08 71 21 00-0021	LF	5" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 171A)	29.74	7.83
		For Color Anodized Finish, Add	*5.09*	
08 71 21 00-0022	LF	6" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 172A)	32.26	7.83
		For Color Anodized Finish, Add	*4.44*	
08 71 21 00-0023	LF	7" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 176A)	36.75	7.83
		For Color Anodized Finish, Add	*4.30*	
08 71 21 00-0024	LF	8" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2548A)	43.71	9.40
		For Color Anodized Finish, Add	*7.08*	
08 71 21 00-0025	LF	9" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2549A)	44.76	9.40
		For Color Anodized Finish, Add	*8.51*	
08 71 21 00-0026	LF	10" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2550A)	46.75	9.40
		For Color Anodized Finish, Add	*9.30*	

08 71 21 00-0027 Brass/Bronze Saddle Thresholds *(08 71 21 00-0003)*

08 71 21 00-0028 3/16" Height, Brass/Bronze Saddle Thresholds *(08 71 21 00-0027)*

08 71 21 00-0029	LF	2-1/4" Width, 3/16" Height, Brass/Bronze Saddle Threshold (Pemko 173B)	60.54	6.26

08 71 21 00-0030 1/4" Height, Brass/Bronze Saddle Thresholds *(08 71 21 00-0027)*

08 71 21 00-0031	LF	3" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 151B)	98.39	6.26
08 71 21 00-0032	LF	4" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 270B)	123.26	7.83
08 71 21 00-0033	LF	5" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 271B)	133.27	7.83
08 71 21 00-0034	LF	6" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 272B)	150.80	7.83
08 71 21 00-0035	LF	7" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 276B)	185.84	7.83
08 71 21 00-0036	LF	8" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 274X4B)	229.24	9.40

08 71 21 00-0037 1/2" Height, Brass/Bronze Saddle Thresholds *(08 71 21 00-0027)*

08 71 21 00-0038	LF	4" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 170B)	132.60	7.83
08 71 21 00-0039	LF	5" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 171B)	149.97	7.83
08 71 21 00-0040	LF	6" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 172B)	189.13	7.83
08 71 21 00-0041	LF	7" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 176B)	211.08	7.83
08 71 21 00-0042	LF	8" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 254X4B)	283.48	9.40
08 71 21 00-0043	LF	10" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 255X5B)	308.87	9.40

08 71 21 00-0044 Stainless Steel Saddle Thresholds *(08 71 21 00-0003)*

08 71 21 00-0045 1/2" Height, Stainless Steel Saddle Thresholds *(08 71 21 00-0044)*

08 71 21 00-0046	LF	4" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 175SS)	119.91	7.83
08 71 21 00-0047	LF	5" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 154SS)	127.08	7.83

08 71 21 00-0048 Half Saddle Thresholds *(08 71 21 00-0002)*

08 71 21 00-0049 Aluminum Half Saddle Thresholds *(08 71 21 00-0048)*

Note: Includes mill finish.

08 71 21 00-0050 3/4" Height, Aluminum Half Saddle Thresholds *(08 71 21 00-0049)*

08 71 21 00-0051	LF	5" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1875A)	34.63	7.83
		For Color Anodized Finish, Add	*6.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 21 00-0052	LF	7" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1877A)	40.71	7.83
		For Color Anodized Finish, Add	*2.11*	
08 71 21 00-0053		**Offset Saddle Thresholds** *(08 71 21 00-0002)*		
08 71 21 00-0054		**Aluminum Offset Saddle Thresholds** *(08 71 21 00-0053)* Note: Includes mill finish.		
08 71 21 00-0055		**1/2" Height, Aluminum Offset Saddle Thresholds** *(08 71 21 00-0054)*		
08 71 21 00-0056	LF	5-1/2" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 158A)	31.73	7.83
		For Color Anodized Finish, Add	*6.08*	
08 71 21 00-0057	LF	7" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 2727A)	35.03	7.83
		For Color Anodized Finish, Add	*5.41*	
08 71 21 00-0058		**3/4" Height, Aluminum Offset Saddle Thresholds** *(08 71 21 00-0054)*		
08 71 21 00-0059	LF	5-1/2" Width, 3/4" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 157A)	31.73	7.83
		For Color Anodized Finish, Add	*6.08*	
08 71 21 00-0060		**1" Height, Aluminum Offset Saddle Thresholds** *(08 71 21 00-0054)*		
08 71 21 00-0061	LF	7" Width, 1" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 182A)	36.09	7.83
		For Color Anodized Finish, Add	*5.78*	
08 71 21 00-0062		**Modular Ramp Thresholds** *(08 71 21 00-0001)* Note: Includes mill finish.		
08 71 21 00-0063		**Flush, Aluminum Modular Ramp Thresholds** *(08 71 21 00-0062)*		
08 71 21 00-0064	LF	6-1/8" Length, 1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.5FA)	29.20	7.83
		For Non-Slip Surfacing, Add	*40.62*	
08 71 21 00-0065	LF	9-1/4" Length, 3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.75FA)	40.79	8.62
		For Non-Slip Surfacing, Add	*65.97*	
08 71 21 00-0066	LF	12-3/8" Length, 1" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1FA)	51.17	9.79
		For Non-Slip Surfacing, Add	*88.48*	
08 71 21 00-0067	LF	15-1/2" Length, 1-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.25FA)	63.85	10.17
		For Non-Slip Surfacing, Add	*117.42*	
08 71 21 00-0068	LF	18-5/8" Length, 1-1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.5FA)	66.31	10.96
		For Non-Slip Surfacing, Add	*133.17*	
08 71 21 00-0069	LF	21-3/4" Length, 1-3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.75FA)	87.81	12.14
		For Non-Slip Surfacing, Add	*165.18*	
08 71 21 00-0070	LF	24-7/8" Length, 2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2FA)	99.73	13.31
		For Non-Slip Surfacing, Add	*190.09*	
08 71 21 00-0071	LF	28" Length, 2-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2.25FA)	115.39	14.09
		For Non-Slip Surfacing, Add	*218.00*	
08 71 21 00-0072		**3-1/2" Top Plate, Offset, Aluminum Modular Ramp Thresholds** *(08 71 21 00-0062)*		
08 71 21 00-0073	LF	12-3/4" Length, 1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSSA)	55.02	9.79
		For Non-Slip Surfacing, Add	*95.72*	
08 71 21 00-0074	LF	15-7/8" Length, 3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSSA)	63.85	10.17
		For Non-Slip Surfacing, Add	*117.42*	
08 71 21 00-0075	LF	18" Length, 1" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSSA)	78.87	11.75
		For Non-Slip Surfacing, Add	*143.99*	
08 71 21 00-0076	LF	22-1/8" Length, 1-1/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSSA)	87.93	12.53
		For Non-Slip Surfacing, Add	*163.46*	
08 71 21 00-0077	LF	25-1/4" Length, 1-1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSSA)	102.04	13.31
		For Non-Slip Surfacing, Add	*196.09*	
08 71 21 00-0078	LF	28-3/8" Length, 1-3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSSA)	113.19	14.09
		For Non-Slip Surfacing, Add	*221.00*	
08 71 21 00-0079	LF	31-1/2" Length, 2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSSA)	128.84	14.88
		For Non-Slip Surfacing, Add	*257.63*	
08 71 21 00-0080		**7" Top Plate, Offset, Aluminum Modular Ramp Thresholds** *(08 71 21 00-0062)*		
08 71 21 00-0081	LF	16-1/4" Length, 1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSA)	63.76	10.57
		For Non-Slip Surfacing, Add	*119.31*	
08 71 21 00-0082	LF	19-3/8" Length, 3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSA)	74.14	11.75
		For Non-Slip Surfacing, Add	*141.82*	
08 71 21 00-0083	LF	22-1/2" Length, 1" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSA)	87.49	12.53
		For Non-Slip Surfacing, Add	*168.56*	
08 71 21 00-0084	LF	25-5/8" Length, 1-1/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSA)	96.64	13.31
		For Non-Slip Surfacing, Add	*189.05*	
08 71 21 00-0085	LF	28-3/4" Length, 1-1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSA)	110.87	14.09
		For Non-Slip Surfacing, Add	*214.97*	
08 71 21 00-0086	LF	31-7/8" Length, 1-3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSA)	121.79	14.88
		For Non-Slip Surfacing, Add	*239.30*	
08 71 21 00-0087	LF	35" Length, 2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSA)	137.57	15.66
		For Non-Slip Surfacing, Add	*265.63*	
08 71 21 00-0088		**Accessories For Aluminum Modular Ramp Thresholds** *(08 71 21 00-0062)*		

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 21 00-0089		Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds *(08 71 21 00-0088)*			
08 71 21 00-0090	PR	Up To 1" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds		150.14	9.79
		For Non-Slip Surfacing, Add		*15.67*	
08 71 21 00-0091	PR	>1" To 1-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds		232.29	9.79
		For Non-Slip Surfacing, Add		*25.53*	
08 71 21 00-0092	PR	>1-1/4" To 2-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds		460.33	13.71
		For Non-Slip Surfacing, Add		*51.95*	
08 71 21 00-0093		Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds *(08 71 21 00-0088)*			
08 71 21 00-0094	PR	Up To 1/2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds		150.14	9.79
		For Non-Slip Surfacing, Add		*15.67*	
08 71 21 00-0095	PR	>1/2" To 1" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds		232.29	9.79
		For Non-Slip Surfacing, Add		*25.53*	
08 71 21 00-0096	PR	>1" To 2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds		460.33	13.71
		For Non-Slip Surfacing, Add		*51.95*	
08 71 21 00-0097		Latching Panic Exit Saddle Thresholds *(08 71 21 00-0001)*			
		Note: Includes vinyl or pile seal.			
08 71 21 00-0098		Aluminum, Latching Panic Exit Saddle Thresholds *(08 71 21 00-0097)*			
		Note: Includes mill finish.			
08 71 21 00-0099		Aluminum, Latching Panic Exit Saddle Thresholds *(08 71 21 00-0098)*			
08 71 21 00-0100		7/8" Height, Aluminum, Latching Panic Exit Saddle Thresholds *(08 71 21 00-0099)*			
08 71 21 00-0101	LF	4" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AP)		34.37	7.83
		For Color Anodized Finish, Add		*5.18*	
		For Thermoseal, Add		*0.63*	
08 71 21 00-0102	LF	5" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 177AP)		31.59	7.83
		For Color Anodized Finish, Add		*6.01*	
		For Thermoseal, Add		*0.63*	
08 71 21 00-0103	LF	6" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AP)		38.34	7.83
		For Color Anodized Finish, Add		*6.57*	
		For Thermoseal, Add		*0.63*	
08 71 21 00-0104	LF	7" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AP)		40.31	7.83
		For Color Anodized Finish, Add		*7.26*	
		For Thermoseal, Add		*0.63*	
08 71 21 00-0105		1" Height, Aluminum, Latching Panic Exit Saddle Thresholds *(08 71 21 00-0099)*			
08 71 21 00-0106	LF	3-5/8" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 185AP)		30.53	7.83
		For Color Anodized Finish, Add		*5.48*	
		For Thermoseal, Add		*0.63*	
08 71 21 00-0107	LF	5" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 181AP)		31.59	7.83
		For Color Anodized Finish, Add		*6.01*	
		For Thermoseal, Add		*0.63*	
08 71 21 00-0108		Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds *(08 71 21 00-0098)*			
08 71 21 00-0109		7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds *(08 71 21 00-0108)*			
08 71 21 00-0110	LF	4-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AFGP)		34.37	7.83
		For Color Anodized Finish, Add		*5.92*	
		For Thermoseal, Add		*0.63*	
08 71 21 00-0111	LF	5-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 253X226AFGP)		36.35	7.83
		For Color Anodized Finish, Add		*6.71*	
		For Thermoseal, Add		*0.63*	
08 71 21 00-0112	LF	6-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AFGP)		38.34	7.83
		For Color Anodized Finish, Add		*6.57*	
		For Thermoseal, Add		*0.63*	
08 71 21 00-0113	LF	7-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AFGP)		40.31	7.83
		For Color Anodized Finish, Add		*7.26*	
		For Thermoseal, Add		*0.63*	
08 71 21 00-0114		Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 71 21 00-0097)*			
08 71 21 00-0115		Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 71 21 00-0114)*			
08 71 21 00-0116		7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 71 21 00-0115)*			
08 71 21 00-0117	LF	4" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BV)		177.00	7.83
		For Thermoseal, Add		*0.63*	
08 71 21 00-0118	LF	5" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 177BV)		175.03	7.83
		For Thermoseal, Add		*0.63*	
08 71 21 00-0119	LF	6" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BV)		236.63	7.83
		For Thermoseal, Add		*0.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 21 00-0120	LF	7" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BV)	249.24	7.83
		For Thermoseal, Add	*0.63*	
08 71 21 00-0121		1" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 71 21 00-0115)*		
08 71 21 00-0122	LF	5" Width, 1" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 181BV)	187.49	7.83
		For Thermoseal, Add	*0.63*	
08 71 21 00-0123		Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 71 21 00-0114)*		
08 71 21 00-0124		7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 71 21 00-0123)*		
08 71 21 00-0125	LF	4-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BFGV)	174.03	8.62
		For Thermoseal, Add	*0.63*	
08 71 21 00-0126	LF	5-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 253X226BFGV)	199.26	8.62
		For Thermoseal, Add	*0.63*	
08 71 21 00-0127	LF	6-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BFGV)	236.77	8.62
		For Thermoseal, Add	*0.63*	
08 71 21 00-0128	LF	7-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BFGV)	250.07	9.01
		For Thermoseal, Add	*0.63*	
08 71 21 00-0129		Carpet Separator Thresholds *(08 71 21 00-0001)*		
08 71 21 00-0130		Aluminum, Carpet Separator Thresholds *(08 71 21 00-0129)* Note: Includes mill finish.		
08 71 21 00-0131		3/8" Height, Aluminum, Carpet Separator Thresholds *(08 71 21 00-0130)*		
08 71 21 00-0132	LF	2-1/2" Width, 3/8" Height, Aluminum, Carpet Separator Threshold (Pemko 174C)	22.67	6.26
		For Color Anodized Finish, Add	*2.80*	
08 71 21 00-0133		7/16" Height, Aluminum, Carpet Separator Thresholds *(08 71 21 00-0130)*		
08 71 21 00-0134	LF	1-3/4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 236A)	18.73	5.49
		For Color Anodized Finish, Add	*1.76*	
08 71 21 00-0135	LF	4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2364A)	28.55	6.26
		For Color Anodized Finish, Add	*3.59*	
08 71 21 00-0136	LF	6" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2366A)	33.57	6.26
		For Color Anodized Finish, Add	*5.60*	
08 71 21 00-0137		1/2" Height, Aluminum, Carpet Separator Thresholds *(08 71 21 00-0130)*		
08 71 21 00-0138	LF	1-3/8" Width, 1/2" Height, Aluminum, Carpet Separator Threshold (Pemko 1951A)	17.28	5.49
		For Color Anodized Finish, Add	*0.89*	
08 71 21 00-0139		3/4" Height, Aluminum, Carpet Separator Thresholds *(08 71 21 00-0130)*		
08 71 21 00-0140	LF	1-3/4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 246A)	18.86	5.49
		For Color Anodized Finish, Add	*1.55*	
08 71 21 00-0141	LF	3" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 230A)	29.08	7.83
		For Color Anodized Finish, Add	*3.80*	
08 71 21 00-0142	LF	4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 2464A)	30.40	7.83
		For Color Anodized Finish, Add	*3.25*	
08 71 21 00-0143		Brass/Bronze, Carpet Separator Thresholds *(08 71 21 00-0129)*		
08 71 21 00-0144		3/8" Height, Brass/Bronze, Carpet Separator Thresholds *(08 71 21 00-0143)*		
08 71 21 00-0145	LF	2-1/2" Width, 3/8" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 174B)	101.99	6.26
08 71 21 00-0146		7/16" Height, Brass/Bronze, Carpet Separator Thresholds *(08 71 21 00-0143)*		
08 71 21 00-0147	LF	1-3/4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 236B)	61.06	5.49
08 71 21 00-0148	LF	4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 2364B)	127.20	7.83
08 71 21 00-0149		Vinyl Transition Thresholds *(08 71 21 00-0001)* Note: Serves as a transition where carpet meets carpet, tile, VCT or concrete beneath a door.		
08 71 21 00-0150		Carpet To Carpet, Vinyl Transition Thresholds *(08 71 21 00-0149)* Note: Serves as a transition where carpet meets carpet beneath a door.		
08 71 21 00-0151	LF	2-3/4" Width, 23/32" Height, Carpet To Carpet, Vinyl Transition Threshold (Pemko V232BL)	28.14	6.26
08 71 21 00-0152		Carpet To Tile, Vinyl Transition Thresholds *(08 71 21 00-0149)* Note: Serves as a transition where carpet meets tile beneath a door.		
08 71 21 00-0153	LF	2-3/4" Width, 23/32" Height, Carpet To Tile, Vinyl Transition Threshold (Pemko V2325BL)	28.14	6.26

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 21 00-0154		Carpet To Concrete, Vinyl Transition Thresholds *(08 71 21 00-0149)* Note: Serves as a transition where carpet meets concrete beneath a door.		
08 71 21 00-0155	LF	3-1/2" Width, 23/32" Height, Carpet To Concrete, Vinyl Transition Threshold (Pemko V2320BL)	32.05	7.83
08 71 21 00-0156		Carpet To VCT Tile, Vinyl Transition Thresholds *(08 71 21 00-0149)* Note: Serves as a transition where carpet meets VCT Tile beneath a door.		
08 71 21 00-0157	LF	3-7/16" Width, 23/32" Height, Carpet To VCT Tile, Vinyl Transition Threshold (Pemko V2322BL)	32.05	7.83
08 71 21 00-0158		Residential Thresholds *(08 71 21 00-0001)*		
08 71 21 00-0159		Wood Residential Thresholds *(08 71 21 00-0158)*		
08 71 21 00-0160	LF	1-1/4" Width, 1/4" Height, Oak Residential Threshold (Pemko 2219W)	11.99	3.91
08 71 21 00-0161	LF	1-3/4" Width, 5/16" Height, Oak Residential Threshold (Pemko 2175W)	12.43	3.91
08 71 21 00-0162	LF	3" Width, 3/8" Height, Oak Residential Threshold (Pemko 2300W)	16.80	4.17
08 71 21 00-0163	LF	3-1/2" Width, 1/2" Height, Oak Residential Threshold (Pemko 2350W)	16.79	4.32
08 71 21 00-0164	LF	5" Width, 1/2" Height, Oak Residential Threshold (Pemko 2500W)	25.72	4.45
08 71 21 00-0165		Vinyl Top, Wood Residential Thresholds *(08 71 21 00-0158)*		
08 71 21 00-0166	LF	1-5/8" Width, 15/16" Height, Vinyl Top, Wood Residential Threshold (Pemko 208OAK)	14.27	3.91
08 71 21 00-0167	LF	3-1/2" Width, 1-1/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 203OAK)	17.27	4.32
08 71 21 00-0168	LF	3-5/8" Width, 1-3/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 204OAK)	29.64	4.32
08 71 21 00-0169		Vinyl Top, Aluminum Residential Thresholds *(08 71 21 00-0158)*		
08 71 21 00-0170	LF	1-3/8" Width, 1/2" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 208AV)	13.09	3.91
		For Color Anodized Finish, Add	*1.32*	
08 71 21 00-0171	LF	3-1/4" Width, 3/4" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 206AV)	16.75	4.32
		For Color Anodized Finish, Add	*2.38*	
08 71 21 00-0172	LF	3-1/2" Width, 1-1/8" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 207AV)	17.55	4.32
		For Color Anodized Finish, Add	*2.70*	
08 71 21 00-0173		Interlocking Residential Thresholds *(08 71 21 00-0158)*		
08 71 21 00-0174		Aluminum Interlocking Residential Thresholds *(08 71 21 00-0173)*		
08 71 21 00-0175		1/2" Height, Aluminum Interlocking Residential Thresholds *(08 71 21 00-0174)*		
08 71 21 00-0176	LF	4-1/4" Width, 1/2" Height, Aluminum Interlocking Residential Threshold (Pemko 114A)	23.01	4.45
		For Color Anodized Finish, Add	*3.57*	
08 71 21 00-0177		5/8" Height, Aluminum Interlocking Residential Thresholds *(08 71 21 00-0174)*		
08 71 21 00-0178	LF	3" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 121A)	20.73	4.17
		For Color Anodized Finish, Add	*3.09*	
08 71 21 00-0179	LF	3-1/2" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 110A)	19.27	4.32
		For Color Anodized Finish, Add	*4.23*	
08 71 21 00-0180	LF	4-1/4" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 115A)	21.82	4.45
		For Color Anodized Finish, Add	*3.21*	
08 71 21 00-0181		7/8" Height, Aluminum Interlocking Residential Thresholds *(08 71 21 00-0174)*		
08 71 21 00-0182	LF	4-1/2" Width, 7/8" Height, Aluminum Interlocking Residential Threshold (Pemko 120A)	23.67	4.45
		For Color Anodized Finish, Add	*6.28*	
08 71 21 00-0183		Brass/Bronze Interlocking Residential Thresholds *(08 71 21 00-0173)*		
08 71 21 00-0184		1/2" Height, Brass/Bronze Interlocking Residential Thresholds *(08 71 21 00-0183)*		
08 71 21 00-0185	LF	4-1/4" Width, 1/2" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 114B)	132.19	4.45
08 71 21 00-0186		5/8" Height, Brass/Bronze Interlocking Residential Thresholds *(08 71 21 00-0183)*		
08 71 21 00-0187	LF	3-1/2" Width, 5/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 110B)	102.06	4.32
08 71 21 00-0188		7/8" Height, Brass/Bronze Interlocking Residential Thresholds *(08 71 21 00-0183)*		
08 71 21 00-0189	LF	4-1/2" Width, 7/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 120B)	187.72	4.45
08 71 21 00-0190	LF	5-3/4" Width, 7/8" Height, 3/4" Offset, Brass/Bronze Interlocking Residential Threshold (Pemko 123B)	188.03	4.57
08 71 21 00-0191		Residential Door Sills *(08 71 21 00-0001)*		
08 71 21 00-0192		Fixed Aluminum Residential Door Sills *(08 71 21 00-0191)*		
08 71 21 00-0193	LF	4-9/16" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 84514A)	17.86	4.45
		For Color Anodized Finish, Add	*3.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 21 00-0194	LF	5-5/8" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 85514A)	19.09	4.57
		For Color Anodized Finish, Add	*3.06*	
08 71 21 00-0195		**Adjustable Aluminum Top, Aluminum Residential Door Sills** *(08 71 21 00-0191)*		
08 71 21 00-0196	LF	4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518A)	25.11	4.45
		For Color Anodized Finish, Add	*4.90*	
08 71 21 00-0197	LF	5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518A)	26.15	4.57
		For Color Anodized Finish, Add	*5.15*	
08 71 21 00-0198		**Adjustable Wood Top, Aluminum Residential Door Sills** *(08 71 21 00-0191)*		
08 71 21 00-0199	LF	3-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 93518AW)	24.02	4.32
		For Color Anodized Finish, Add	*4.62*	
08 71 21 00-0200	LF	4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518AW)	25.84	4.45
		For Color Anodized Finish, Add	*3.68*	
08 71 21 00-0201	LF	5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518AW)	26.93	4.57
		For Color Anodized Finish, Add	*3.88*	
08 71 21 00-0202		**Extenders For Aluminum Residential Door Sills** *(08 71 21 00-0191)*		
08 71 21 00-0203	LF	3/4" Extender For Aluminum Residential Door Sills (Pemko EXT3/4A)	10.87	3.91
		For Color Anodized Finish, Add	*2.13*	
08 71 21 00-0204	LF	2" Extender For Aluminum Residential Door Sills (Pemko EXT2A)	11.80	3.91
		For Color Anodized Finish, Add	*1.99*	
08 71 21 00-0205	LF	3" Extender For Aluminum Residential Door Sills (Pemko EXT3A)	12.85	3.91
		For Color Anodized Finish, Add	*1.26*	
08 71 21 00-0206		**Stone Thresholds** *(08 71 21 00-0001)*		
08 71 21 00-0207		**Marble Thresholds** *(08 71 21 00-0206)*		
08 71 21 00-0208	LF	2" Width, 5/8" Height, Plain Marble Threshold	15.08	5.80
08 71 21 00-0209	LF	4" Width, 5/8" Height, Plain Marble Threshold	16.68	5.80
08 71 21 00-0210	LF	6" Width, 5/8" Height, Plain Marble Threshold	18.82	5.80
08 71 21 00-0211	LF	4" Width, 7/8" Height, Plain Marble Threshold	23.64	5.80
08 71 21 00-0212	LF	6" Width, 7/8" Height, Plain Marble Threshold	29.28	5.80
08 71 21 00-0213		**Corian Thresholds** *(08 71 21 00-0206)*		
08 71 21 00-0214	LF	Up To 5-3/4" Width, Corian Threshold	48.49	6.50
08 71 53		**Security Door Hardware** *(08 71)*		
08 71 53 00-0001		**Door Exit Alarm Hardware** *(08 71 53)*		
08 71 53 00-0002	EA	Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500)	206.59	29.38
08 71 53 00-0003	EA	Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500W)	281.31	29.38
08 71 53 00-0004	EA	Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300) Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.	238.51	29.38
08 71 53 00-0005	EA	Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300W) Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.	304.59	29.38
08 71 53 00-0006	EA	Wall Mount Exit Alarm, Audible Alarm, AC/DC (Detex EAX-2500)	355.89	39.17
08 71 53 00-0007	EA	Surface Mounted Magnetic Switch (Detex MS-1039S or MS-1059S) Note: For use with Detex EAX exit alarms.	63.91	39.17
08 71 63		**Detention Door Hardware** *(08 71)*		
08 71 63 00-0001	EA	Solid Steel Deadlock For Swinging Doors, Five-Lever Tumblers Note: Includes keeper.	395.91	43.45
08 74		**Access Control Hardware** *(08 70)*		
08 74 16		**Keypad Access Control Hardware** *(08 74)*		
08 74 16 00-0001		**Vindicator Security Alarm System** *(08 74 16)*		
08 74 16 00-0002	EA	Switch, Balanced Magnetic Door (Security) Vindicator #192-30894-00	966.44	171.58
08 74 16 00-0003	EA	Detector, Passive Infrared (Security) Vindicator #316-30812-00	1,219.40	223.01
08 74 16 00-0004	EA	Premise Control Unit (Security) Vindicator #548-32004-01	6,110.85	488.81
08 74 16 00-0005	EA	Access Manager (Security Key Pad) Vindicator #548-31894-01	2,870.89	416.56
08 74 16 00-0006	EA	ALS Duress Switch (Security) Vindicator #192-30810-00	801.58	227.86
08 75		**Window Hardware** *(08 70)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 75 00 00-0001		Window Opener Electric, With 1/2 HP Motor *(08 75)*		
08 75 00 00-0002	EA	Gym Window Electronic Opener	1,222.20	166.85
08 79		**Hardware Accessories** *(08 70)*		
08 79 00 00-0001		Pad Locks *(08 79)*		
08 79 00 00-0002	EA	Combination Padlock	15.23	3.92
08 79 00 00-0003	EA	Resettable Combination Padlock With Control Key, 4 Digit, 2" Wide Case, 1" Shackle Height	34.20	3.92
08 79 00 00-0004	EA	Resettable Combination Padlock, 4 Digit, 2" Wide Case, 1" Shackle Height	31.63	3.92
08 79 00 00-0005	EA	Resettable Combination Padlock, 4 Digit, 2" Wide Case, 2-1/4" Shackle Height	34.82	3.92
08 79 00 00-0006	EA	Commercial U-Bar Lock	42.18	3.92
08 79 00 00-0007	EA	Weather Tough Padlocks Keyed Alike	35.46	3.92
08 79 00 00-0008	EA	High Security Padlocks	32.05	3.92
08 79 00 00-0009	EA	Standard Key, Medium Security Padlock Keyed Alike	17.10	3.92
08 79 00 00-0010		Key Cabinet *(08 79)*		
08 79 00 00-0011		Key Cabinets *(08 79 00 00-0010)*		
08 79 00 00-0012	EA	Wall Mounted Key Cabinet, Up To 30 Keys	274.62	14.09
08 79 00 00-0013	EA	Wall Mounted Key Cabinet, Up To 60 Keys	369.95	15.66
08 79 00 00-0014	EA	Wall Mounted Key Cabinet, Up To 240 Keys	827.24	23.49
08 79 00 00-0015	EA	Wall Mounted Key Cabinet, Up To 1,200 Keys	2,124.60	31.32
08 79 00 00-0016	EA	Drawer Type Key Cabinet, Up To 600 Keys	2,263.85	20.75
08 79 00 00-0017	EA	Drawer Type Key Cabinet, Up To 2,400 Keys	5,106.08	15.66
08 79 00 00-0018	EA	Tray Type Key Cabinet, Up To 20 Keys	115.63	6.26
08 79 00 00-0019	EA	Tray Type Key Cabinet, Up To 50 Keys	164.58	7.83
08 79 00 00-0020		Key Boxes Wall Mounted On Any Type Wall, With Anchor *(08 79 00 00-0010)*		
08 79 00 00-0021	EA	Key Box, Metal, 30 Key Hooks, Key Lock Door 3" Deep x 10" Wide x 12" High	158.67	11.75
08 79 00 00-0022	EA	Key Box, Metal, 60 Key Hooks, Key Lock Door, 3" Deep x 10" Wide x 12" High	179.29	11.75
08 79 00 00-0023	EA	Relocate Key Box, Metal, 3" Deep x 10" Wide x 12" High, Including Storage And Cleaning	39.95	
08 79 00 00-0024	EA	Relocate Heavy Duty Key Box, With Combo Lock Door, Including Storage And Cleaning	90.08	
08 80		**Glazing** *(08)*		
		Note: Includes neoprene setting blocks and spacers and elastomeric sealants for all glazing tasks. Demolition for all glazing includes removal of glazing (broken or whole), sealant compound and/or astragal, taking down and resetting mullion where necessary.		
08 81		**Glass Glazing** *(08 80)*		
08 81 23		**Factory Installed Glass** *(08 81)*		
08 81 23 00-0001		Clear Float Factory Installed Glass *(08 81 23)*		
08 81 23 00-0002		Clear Float Factory Installed Glass *(08 81 23 00-0001)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 00-0003	SF	1/8" Thick, Clear Float Factory Installed Glass	1.80	
		For >50 To 200, Deduct	*-0.05*	
		For >200 To 400, Deduct	*-0.11*	
		For >400, Deduct	*-0.16*	
		For Tinted Glass, Add	*0.45*	
		For Reflective Coated Glass, Add	*0.81*	
		For Low-E Coated Glass, Add	*0.45*	
08 81 23 00-0004	SF	3/16" Thick, Clear Float Factory Installed Glass	1.93	
		For >50 To 200, Deduct	*-0.06*	
		For >200 To 400, Deduct	*-0.12*	
		For >400, Deduct	*-0.17*	
		For Tinted Glass, Add	*0.48*	
		For Reflective Coated Glass, Add	*0.87*	
		For Low-E Coated Glass, Add	*0.48*	
08 81 23 00-0005	SF	1/4" Thick, Clear Float Factory Installed Glass	2.34	
		For >50 To 200, Deduct	*-0.07*	
		For >200 To 400, Deduct	*-0.14*	
		For >400, Deduct	*-0.21*	
		For Tinted Glass, Add	*0.59*	
		For Reflective Coated Glass, Add	*1.05*	
		For Low-E Coated Glass, Add	*0.59*	
08 81 23 00-0006	SF	5/16" Thick, Clear Float Factory Installed Glass	3.89	
		For >50 To 200, Deduct	*-0.12*	
		For >200 To 400, Deduct	*-0.23*	
		For >400, Deduct	*-0.35*	
		For Tinted Glass, Add	*0.97*	
		For Reflective Coated Glass, Add	*1.75*	
		For Low-E Coated Glass, Add	*0.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 00-0007	SF	3/8" Thick, Clear Float Factory Installed Glass	5.66	
		For >50 To 200, Deduct	*-0.17*	
		For >200 To 400, Deduct	*-0.34*	
		For >400, Deduct	*-0.51*	
		For Tinted Glass, Add	*1.42*	
		For Reflective Coated Glass, Add	*2.55*	
		For Low-E Coated Glass, Add	*1.42*	
08 81 23 00-0008	SF	1/2" Thick, Clear Float Factory Installed Glass	6.22	
		For >50 To 200, Deduct	*-0.19*	
		For >200 To 400, Deduct	*-0.37*	
		For >400, Deduct	*-0.56*	
		For Tinted Glass, Add	*1.56*	
		For Reflective Coated Glass, Add	*2.80*	
		For Low-E Coated Glass, Add	*1.56*	
08 81 23 00-0009	SF	5/8" Thick, Clear Float Factory Installed Glass	7.44	
		For >50 To 200, Deduct	*-0.22*	
		For >200 To 400, Deduct	*-0.45*	
		For >400, Deduct	*-0.67*	
		For Tinted Glass, Add	*1.86*	
		For Reflective Coated Glass, Add	*3.35*	
		For Low-E Coated Glass, Add	*1.86*	
08 81 23 00-0010	SF	3/4" Thick, Clear Float Factory Installed Glass	9.19	
		For >50 To 200, Deduct	*-0.28*	
		For >200 To 400, Deduct	*-0.55*	
		For >400, Deduct	*-0.83*	
		For Tinted Glass, Add	*2.30*	
		For Reflective Coated Glass, Add	*4.14*	
		For Low-E Coated Glass, Add	*2.30*	

08 81 23 00-0011 Heat Treated Factory Installed Glass *(08 81 23)*

08 81 23 00-0012 Tempered, Clear Float Factory Installed Glass *(08 81 23 00-0011)*

Note: Type I, Class I, Quality Q3.

08 81 23 00-0013	SF	1/8" Thick, Tempered, Clear Float Factory Installed Glass	2.61	
		For >50 To 200, Deduct	*-0.08*	
		For >200 To 400, Deduct	*-0.16*	
		For >400, Deduct	*-0.23*	
		For Tinted Glass, Add	*0.65*	
		For Reflective Coated Glass, Add	*1.17*	
		For Low-E Coated Glass, Add	*0.65*	
08 81 23 00-0014	SF	3/16" Thick, Tempered, Clear Float Factory Installed Glass	2.79	
		For >50 To 200, Deduct	*-0.08*	
		For >200 To 400, Deduct	*-0.17*	
		For >400, Deduct	*-0.25*	
		For Tinted Glass, Add	*0.70*	
		For Reflective Coated Glass, Add	*1.26*	
		For Low-E Coated Glass, Add	*0.70*	
08 81 23 00-0015	SF	1/4" Thick, Tempered, Clear Float Factory Installed Glass	3.39	
		For >50 To 200, Deduct	*-0.10*	
		For >200 To 400, Deduct	*-0.20*	
		For >400, Deduct	*-0.31*	
		For Tinted Glass, Add	*0.85*	
		For Reflective Coated Glass, Add	*1.53*	
		For Low-E Coated Glass, Add	*0.85*	
08 81 23 00-0016	SF	5/16" Thick, Tempered, Clear Float Factory Installed Glass	5.65	
		For >50 To 200, Deduct	*-0.17*	
		For >200 To 400, Deduct	*-0.34*	
		For >400, Deduct	*-0.51*	
		For Tinted Glass, Add	*1.41*	
		For Reflective Coated Glass, Add	*2.54*	
		For Low-E Coated Glass, Add	*1.41*	
08 81 23 00-0017	SF	3/8" Thick, Tempered, Clear Float Factory Installed Glass	8.21	
		For >50 To 200, Deduct	*-0.25*	
		For >200 To 400, Deduct	*-0.49*	
		For >400, Deduct	*-0.74*	
		For Tinted Glass, Add	*2.05*	
		For Reflective Coated Glass, Add	*3.69*	
		For Low-E Coated Glass, Add	*2.05*	
08 81 23 00-0018	SF	1/2" Thick, Tempered, Clear Float Factory Installed Glass	9.02	
		For >50 To 200, Deduct	*-0.27*	
		For >200 To 400, Deduct	*-0.54*	
		For >400, Deduct	*-0.81*	
		For Tinted Glass, Add	*2.26*	
		For Reflective Coated Glass, Add	*4.06*	
		For Low-E Coated Glass, Add	*2.26*	
08 81 23 00-0019	SF	5/8" Thick, Tempered, Clear Float Factory Installed Glass	10.79	
		For >50 To 200, Deduct	*-0.32*	
		For >200 To 400, Deduct	*-0.65*	
		For >400, Deduct	*-0.97*	
		For Tinted Glass, Add	*2.70*	
		For Reflective Coated Glass, Add	*4.86*	
		For Low-E Coated Glass, Add	*2.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 00-0020	SF	3/4" Thick, Tempered, Clear Float Factory Installed Glass	13.33	
		For >50 To 200, Deduct	*-0.40*	
		For >200 To 400, Deduct	*-0.80*	
		For >400, Deduct	*-1.20*	
		For Tinted Glass, Add	*3.33*	
		For Reflective Coated Glass, Add	*6.00*	
		For Low-E Coated Glass, Add	*3.33*	
08 81 23 00-0021		Patterned Factory Installed Glass *(08 81 23)*		
08 81 23 00-0022		Rough Obscure, Factory Installed Glass *(08 81 23 00-0021)*		
		Note: Class II, Form 3, Finish F1.		
08 81 23 00-0023	SF	1/4" Thick, Rough Obscure, Factory Installed Glass	5.12	
08 81 23 00-0024		Patterned, Figured Factory Installed Glass *(08 81 23 00-0021)*		
		Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.		
08 81 23 00-0025	SF	1/8" Thick, Patterned, Figured Factory Installed Glass	3.11	
08 81 23 00-0026	SF	7/32" Thick, Patterned, Figured Factory Installed Glass	3.11	
08 81 23 00-0027		Wired Factory Installed Glass *(08 81 23)*		
08 81 23 00-0028		Square Or Diamond Pattern, Wired Factory Installed Glass *(08 81 23 00-0027)*		
		Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.		
08 81 23 00-0029	SF	1/4" Thick, Square Pattern, Wired Factory Installed Glass	8.05	
08 81 23 00-0030	SF	1/4" Thick, Diamond Pattern, Wired Factory Installed Glass	8.05	
08 81 23 00-0031		Polished, Wired Factory Installed Glass *(08 81 23 00-0027)*		
08 81 23 00-0032	SF	1/4" Thick, Polished, Wired Factory Installed Glass	8.80	
08 81 23 00-0033		Frosted Factory Installed Glass *(08 81 23)*		
08 81 23 00-0034		Frosted Factory Installed Glass *(08 81 23 00-0033)*		
08 81 23 00-0035	SF	1/8" Thick, Frosted Factory Installed Glass	4.07	
		For >50 To 200, Deduct	*-0.12*	
		For >200 To 400, Deduct	*-0.24*	
		For >400, Deduct	*-0.37*	
08 81 23 00-0036	SF	3/16" Thick, Frosted Factory Installed Glass	5.34	
		For >50 To 200, Deduct	*-0.16*	
		For >200 To 400, Deduct	*-0.32*	
		For >400, Deduct	*-0.48*	
08 81 23 00-0037	SF	1/4" Thick, Frosted Factory Installed Glass	6.75	
		For >50 To 200, Deduct	*-0.20*	
		For >200 To 400, Deduct	*-0.41*	
		For >400, Deduct	*-0.61*	
08 81 23 00-0038	SF	3/8" Thick, Frosted Factory Installed Glass	10.09	
		For >50 To 200, Deduct	*-0.30*	
		For >200 To 400, Deduct	*-0.61*	
		For >400, Deduct	*-0.91*	
08 81 23 00-0039		Fire Rated Factory Installed Glass *(08 81 23)*		
08 81 23 00-0040		Fire Rated Factory Installed Glass *(08 81 23 00-0039)*		
08 81 23 00-0041	SF	20 Minute, Fire Rated Factory Installed Glass	11.05	
08 81 23 00-0042	SF	45 Minute, Fire Rated Factory Installed Glass	22.00	
08 81 23 00-0043	SF	60 Minute, Fire Rated Factory Installed Glass	34.00	
08 81 23 00-0044	SF	90 Minute, Fire Rated Factory Installed Glass	45.00	
08 81 23 00-0045		Laminated Factory Installed Glass *(08 81 23)*		
08 81 23 00-0046		Laminated Glass With PVB Interlayer, Factory Installed Glass *(08 81 23 00-0045)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 00-0047	SF	1/4" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass	7.17	
		For >50 To 200, Deduct	*-0.22*	
		For >200 To 400, Deduct	*-0.43*	
		For >400, Deduct	*-0.65*	
		For Tinted Glass, Add	*1.79*	
		For Reflective Coated Glass, Add	*3.23*	
		For Low-E Coated Glass, Add	*1.79*	
		For One Piece Heat Strengthened Glass, Add	*1.43*	
		For One Piece Fully Tempered Glass, Add	*1.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 00-0048	SF	3/8" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass	8.95	
		For >50 To 200, Deduct	*-0.27*	
		For >200 To 400, Deduct	*-0.54*	
		For >400, Deduct	*-0.81*	
		For Tinted Glass, Add	*2.24*	
		For Reflective Coated Glass, Add	*4.03*	
		For Low-E Coated Glass, Add	*2.24*	
		For One Piece Heat Strengthened Glass, Add	*1.79*	
		For One Piece Fully Tempered Glass, Add	*1.79*	
08 81 23 00-0049	SF	1/2" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass	12.16	
		For >50 To 200, Deduct	*-0.36*	
		For >200 To 400, Deduct	*-0.73*	
		For >400, Deduct	*-1.09*	
		For Tinted Glass, Add	*3.04*	
		For Reflective Coated Glass, Add	*5.47*	
		For Low-E Coated Glass, Add	*3.04*	
		For One Piece Heat Strengthened Glass, Add	*2.43*	
		For One Piece Fully Tempered Glass, Add	*2.43*	

08 81 23 00-0050 Insulated Factory Installed Glass *(08 81 23)*

08 81 23 00-0051 Insulated, Factory Installed Glass *(08 81 23 00-0050)*
Note: Type I, Class I, Quality Q3.

08 81 23 00-0052	SF	1/2" Thick, Insulated Factory Installed Glass Note: Two 1/8" lites with 1/4" air space.	5.19	
		For >50 To 200, Deduct	*-0.16*	
		For >200 To 400, Deduct	*-0.31*	
		For >400, Deduct	*-0.47*	
		For Tinted Glass, Add	*1.30*	
		For Reflective Coated Glass, Add	*2.34*	
		For Low-E Coated Glass, Add	*1.30*	
		For One Piece Heat Strengthened Glass, Add	*1.04*	
		For One Piece Fully Tempered Glass, Add	*1.04*	
		For One Piece Obscure Glass, Add	*2.21*	
		For Argon Gas, Add	*1.43*	
08 81 23 00-0053	SF	5/8" Thick, Insulated Factory Installed Glass Note: Two 3/16" lites with 1/4" air space.	5.25	
		For >50 To 200, Deduct	*-0.16*	
		For >200 To 400, Deduct	*-0.32*	
		For >400, Deduct	*-0.47*	
		For Tinted Glass, Add	*1.31*	
		For Reflective Coated Glass, Add	*2.36*	
		For Low-E Coated Glass, Add	*1.31*	
		For One Piece Heat Strengthened Glass, Add	*1.05*	
		For One Piece Fully Tempered Glass, Add	*1.05*	
		For One Piece Obscure Glass, Add	*2.23*	
		For Argon Gas, Add	*1.44*	
08 81 23 00-0054	SF	3/4" Thick, Insulated Factory Installed Glass Note: Two 1/4" lites with 1/4" air space.	5.50	
		For >50 To 200, Deduct	*-0.17*	
		For >200 To 400, Deduct	*-0.33*	
		For >400, Deduct	*-0.50*	
		For Tinted Glass, Add	*1.38*	
		For Reflective Coated Glass, Add	*2.48*	
		For Low-E Coated Glass, Add	*1.38*	
		For One Piece Heat Strengthened Glass, Add	*1.10*	
		For One Piece Fully Tempered Glass, Add	*1.10*	
		For One Piece Obscure Glass, Add	*2.34*	
		For Argon Gas, Add	*1.51*	
08 81 23 00-0055	SF	1" Thick, Insulated Factory Installed Glass Note: Two 1/4" lites with 1/2" air space.	6.67	
		For >50 To 200, Deduct	*-0.20*	
		For >200 To 400, Deduct	*-0.40*	
		For >400, Deduct	*-0.60*	
		For Tinted Glass, Add	*1.67*	
		For Reflective Coated Glass, Add	*3.00*	
		For Low-E Coated Glass, Add	*1.67*	
		For One Piece Heat Strengthened Glass, Add	*1.33*	
		For One Piece Fully Tempered Glass, Add	*1.33*	
		For One Piece Obscure Glass, Add	*2.83*	
		For Argon Gas, Add	*1.83*	

08 81 26 Field Installed Glass *(08 81)*

08 81 26 00-0001 Heat Treated Field Installed Glass *(08 81 26)*

08 81 26 00-0002 Tempered, Clear Float Field Installed Glass *(08 81 26 00-0001)*
Note: Type I, Class I, Quality Q3.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 26 00-0003	SF	1/8" Thick, Tempered, Clear Float Field Installed Glass	12.84	
		For >50 To 200, Deduct	*-0.08*	
		For >200 To 400, Deduct	*-0.16*	
		For >400, Deduct	*-0.23*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*10.23*	
		For Tinted Glass, Add	*0.65*	
		For Reflective Coated Glass, Add	*1.17*	
		For Low-E Coated Glass, Add	*0.65*	
08 81 26 00-0004	SF	3/16" Thick, Tempered, Clear Float Field Installed Glass	13.80	
		For >50 To 200, Deduct	*-0.08*	
		For >200 To 400, Deduct	*-0.17*	
		For >400, Deduct	*-0.25*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.01*	
		For Tinted Glass, Add	*0.70*	
		For Reflective Coated Glass, Add	*1.26*	
		For Low-E Coated Glass, Add	*0.70*	
08 81 26 00-0005	SF	1/4" Thick, Tempered, Clear Float Field Installed Glass	15.18	
		For >50 To 200, Deduct	*-0.10*	
		For >200 To 400, Deduct	*-0.20*	
		For >400, Deduct	*-0.31*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.79*	
		For Tinted Glass, Add	*0.85*	
		For Reflective Coated Glass, Add	*1.53*	
		For Low-E Coated Glass, Add	*0.85*	
08 81 26 00-0006	SF	5/16" Thick, Tempered, Clear Float Field Installed Glass	19.01	
		For >50 To 200, Deduct	*-0.17*	
		For >200 To 400, Deduct	*-0.34*	
		For >400, Deduct	*-0.51*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.36*	
		For Tinted Glass, Add	*1.41*	
		For Reflective Coated Glass, Add	*2.54*	
		For Low-E Coated Glass, Add	*1.41*	
08 81 26 00-0007	SF	3/8" Thick, Tempered, Clear Float Field Installed Glass	23.15	
		For >50 To 200, Deduct	*-0.25*	
		For >200 To 400, Deduct	*-0.49*	
		For >400, Deduct	*-0.74*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.94*	
		For Tinted Glass, Add	*2.05*	
		For Reflective Coated Glass, Add	*3.69*	
		For Low-E Coated Glass, Add	*2.05*	
08 81 26 00-0008	SF	1/2" Thick, Tempered, Clear Float Field Installed Glass	25.53	
		For >50 To 200, Deduct	*-0.27*	
		For >200 To 400, Deduct	*-0.54*	
		For >400, Deduct	*-0.81*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.51*	
		For Tinted Glass, Add	*2.26*	
		For Reflective Coated Glass, Add	*4.06*	
		For Low-E Coated Glass, Add	*2.26*	
08 81 26 00-0009	SF	5/8" Thick, Tempered, Clear Float Field Installed Glass	31.23	
		For >50 To 200, Deduct	*-0.32*	
		For >200 To 400, Deduct	*-0.65*	
		For >400, Deduct	*-0.97*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*20.44*	
		For Tinted Glass, Add	*2.70*	
		For Reflective Coated Glass, Add	*4.86*	
		For Low-E Coated Glass, Add	*2.70*	
08 81 26 00-0010	SF	3/4" Thick, Tempered, Clear Float Field Installed Glass	37.70	
		For >50 To 200, Deduct	*-0.40*	
		For >200 To 400, Deduct	*-0.80*	
		For >400, Deduct	*-1.20*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*24.37*	
		For Tinted Glass, Add	*3.33*	
		For Reflective Coated Glass, Add	*6.00*	
		For Low-E Coated Glass, Add	*3.33*	

08 81 26 00-0011 Clear Float Field Installed Glass *(08 81 26)*

08 81 26 00-0012 Clear Float Field Installed Glass *(08 81 26 00-0011)*

Note: Type I, Class I, Quality Q3.

08 81 26 00-0013	SF	1/8" Thick, Clear Float Field Installed Glass	12.03	
		For >50 To 200, Deduct	*-0.05*	
		For >200 To 400, Deduct	*-0.11*	
		For >400, Deduct	*-0.16*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*10.23*	
		For Tinted Glass, Add	*0.45*	
		For Reflective Coated Glass, Add	*0.81*	
		For Low-E Coated Glass, Add	*0.45*	
08 81 26 00-0014	SF	3/16" Thick, Clear Float Field Installed Glass	12.94	
		For >50 To 200, Deduct	*-0.06*	
		For >200 To 400, Deduct	*-0.12*	
		For >400, Deduct	*-0.17*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.01*	
		For Tinted Glass, Add	*0.48*	
		For Reflective Coated Glass, Add	*0.87*	
		For Low-E Coated Glass, Add	*0.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 26 00-0015	SF	1/4" Thick, Clear Float Field Installed Glass	14.13	
		For >50 To 200, Deduct	*-0.07*	
		For >200 To 400, Deduct	*-0.14*	
		For >400, Deduct	*-0.21*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.79*	
		For Tinted Glass, Add	*0.59*	
		For Reflective Coated Glass, Add	*1.05*	
		For Low-E Coated Glass, Add	*0.59*	
08 81 26 00-0016	SF	5/16" Thick, Clear Float Field Installed Glass	17.25	
		For >50 To 200, Deduct	*-0.12*	
		For >200 To 400, Deduct	*-0.23*	
		For >400, Deduct	*-0.35*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.36*	
		For Tinted Glass, Add	*0.97*	
		For Reflective Coated Glass, Add	*1.75*	
		For Low-E Coated Glass, Add	*0.97*	
08 81 26 00-0017	SF	3/8" Thick, Clear Float Field Installed Glass	20.60	
		For >50 To 200, Deduct	*-0.17*	
		For >200 To 400, Deduct	*-0.34*	
		For >400, Deduct	*-0.51*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.94*	
		For Tinted Glass, Add	*1.42*	
		For Reflective Coated Glass, Add	*2.55*	
		For Low-E Coated Glass, Add	*1.42*	
08 81 26 00-0018	SF	1/2" Thick, Clear Float Field Installed Glass	22.73	
		For >50 To 200, Deduct	*-0.19*	
		For >200 To 400, Deduct	*-0.37*	
		For >400, Deduct	*-0.56*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.51*	
		For Tinted Glass, Add	*1.56*	
		For Reflective Coated Glass, Add	*2.80*	
		For Low-E Coated Glass, Add	*1.56*	
08 81 26 00-0019	SF	5/8" Thick, Clear Float Field Installed Glass	27.88	
		For >50 To 200, Deduct	*-0.22*	
		For >200 To 400, Deduct	*-0.45*	
		For >400, Deduct	*-0.67*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*20.44*	
		For Tinted Glass, Add	*1.86*	
		For Reflective Coated Glass, Add	*3.35*	
		For Low-E Coated Glass, Add	*1.86*	
08 81 26 00-0020	SF	3/4" Thick, Clear Float Field Installed Glass	33.56	
		For >50 To 200, Deduct	*-0.28*	
		For >200 To 400, Deduct	*-0.55*	
		For >400, Deduct	*-0.83*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*24.37*	
		For Tinted Glass, Add	*2.30*	
		For Reflective Coated Glass, Add	*4.14*	
		For Low-E Coated Glass, Add	*2.30*	

08 81 26 00-0021 Patterned Field Installed Glass *(08 81 26)*

08 81 26 00-0022 Rough Obscure Field Installed Glass *(08 81 26 00-0021)*

Note: Class II, Form 3, Finish F1.

08 81 26 00-0023	SF	1/4" Thick, Rough Obscure Field Installed Glass	16.91	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.79*	

08 81 26 00-0024 Patterned, Figured Field Installed Glass *(08 81 26 00-0021)*

Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.

08 81 26 00-0025	SF	1/8" Thick, Patterned, Figured Field Installed Glass	13.34	
		For Glass Removal And Preparing Opening For New Glazing, Add	*10.23*	
08 81 26 00-0026	SF	7/32" Thick, Patterned, Figured Field Installed Glass	14.51	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.40*	

08 81 26 00-0027 Wired Field Installed Glass *(08 81 26)*

08 81 26 00-0028 Square Or Diamond Pattern, Wired Field Installed Glass *(08 81 26 00-0027)*

Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.

08 81 26 00-0029	SF	1/4" Thick, Square Pattern, Wired Field Installed Glass	19.84	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.79*	
08 81 26 00-0030	SF	1/4" Thick, Diamond Pattern, Wired Field Installed Glass	19.84	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.79*	

08 81 26 00-0031 Polished, Wired Field Installed Glass *(08 81 26 00-0027)*

08 81 26 00-0032	SF	1/4" Thick, Polished, Wired Field Installed Glass	20.59	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.79*	

08 81 26 00-0033 Frosted Field Installed Glass *(08 81 26)*

08 81 26 00-0034 Frosted Field Installed Glass *(08 81 26 00-0033)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 26 00-0035	SF	1/8" Thick, Frosted Field Installed Glass	14.30	
		For >50 To 200, Deduct	*-0.12*	
		For >200 To 400, Deduct	*-0.24*	
		For >400, Deduct	*-0.37*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*10.23*	
08 81 26 00-0036	SF	3/16" Thick, Frosted Field Installed Glass	16.35	
		For >50 To 200, Deduct	*-0.16*	
		For >200 To 400, Deduct	*-0.32*	
		For >400, Deduct	*-0.48*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.01*	
08 81 26 00-0037	SF	1/4" Thick, Frosted Field Installed Glass	18.54	
		For >50 To 200, Deduct	*-0.20*	
		For >200 To 400, Deduct	*-0.41*	
		For >400, Deduct	*-0.61*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.79*	
08 81 26 00-0038	SF	3/8" Thick, Frosted Field Installed Glass	25.03	
		For >50 To 200, Deduct	*-0.30*	
		For >200 To 400, Deduct	*-0.61*	
		For >400, Deduct	*-0.91*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.94*	

08 81 26 00-0039 Fire Rated Field Installed Glass *(08 81 26)*

08 81 26 00-0040 Fire Rated Field Installed Glass *(08 81 26 00-0039)*

08 81 26 00-0041	SF	20 Minute, Fire Rated Field Installed Glass	22.84	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.79*	
08 81 26 00-0042	SF	45 Minute, Fire Rated Field Installed Glass	33.79	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.79*	
08 81 26 00-0043	SF	60 Minute, Fire Rated Field Installed Glass	45.79	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.79*	
08 81 26 00-0044	SF	90 Minute, Fire Rated Field Installed Glass	56.79	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.79*	

08 81 26 00-0045 Laminated Field Installed Glass *(08 81 26)*

08 81 26 00-0046 Laminated Glass With PVB Interlayer, Field Installed Glass *(08 81 26 00-0045)*
Note: Type I, Class I, Quality Q3.

08 81 26 00-0047	SF	1/4" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	18.96	
		For >50 To 200, Deduct	*-0.22*	
		For >200 To 400, Deduct	*-0.43*	
		For >400, Deduct	*-0.65*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.79*	
		For Tinted Glass, Add	*1.79*	
		For Reflective Coated Glass, Add	*3.23*	
		For Low-E Coated Glass, Add	*1.79*	
		For One Piece Heat Strengthened Glass, Add	*1.43*	
		For One Piece Fully Tempered Glass, Add	*1.43*	
08 81 26 00-0048	SF	3/8" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	23.89	
		For >50 To 200, Deduct	*-0.27*	
		For >200 To 400, Deduct	*-0.54*	
		For >400, Deduct	*-0.81*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.94*	
		For Tinted Glass, Add	*2.24*	
		For Reflective Coated Glass, Add	*4.03*	
		For Low-E Coated Glass, Add	*2.24*	
		For One Piece Heat Strengthened Glass, Add	*1.79*	
		For One Piece Fully Tempered Glass, Add	*1.79*	
08 81 26 00-0049	SF	1/2" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	28.67	
		For >50 To 200, Deduct	*-0.36*	
		For >200 To 400, Deduct	*-0.73*	
		For >400, Deduct	*-1.09*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.51*	
		For Tinted Glass, Add	*3.04*	
		For Reflective Coated Glass, Add	*5.47*	
		For Low-E Coated Glass, Add	*3.04*	
		For One Piece Heat Strengthened Glass, Add	*2.43*	
		For One Piece Fully Tempered Glass, Add	*2.43*	

08 81 26 00-0050 Insulated Field Installed Glass *(08 81 26)*

08 81 26 00-0051 Insulated Glass, Field Installed Glass *(08 81 26 00-0050)*
Note: Type I, Class I, Quality Q3.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 26 00-0052	SF	1/2" Thick, Insulated Field Installed Glass Note: Two 1/8" lites with 1/4" air space.	18.94	
		For >50 To 200, Deduct	*-0.16*	
		For >200 To 400, Deduct	*-0.31*	
		For >400, Deduct	*-0.47*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.75*	
		For Tinted Glass, Add	*1.30*	
		For Reflective Coated Glass, Add	*2.34*	
		For Low-E Coated Glass, Add	*1.30*	
		For One Piece Heat Strengthened Glass, Add	*1.04*	
		For One Piece Fully Tempered Glass, Add	*1.04*	
		For One Piece Obscure Glass, Add	*2.21*	
		For Argon Gas, Add	*1.43*	
08 81 26 00-0053	SF	5/8" Thick, Insulated Field Installed Glass Note: Two 3/16" lites with 1/4" air space.	19.93	
		For >50 To 200, Deduct	*-0.16*	
		For >200 To 400, Deduct	*-0.32*	
		For >400, Deduct	*-0.47*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.68*	
		For Tinted Glass, Add	*1.31*	
		For Reflective Coated Glass, Add	*2.36*	
		For Low-E Coated Glass, Add	*1.31*	
		For One Piece Heat Strengthened Glass, Add	*1.05*	
		For One Piece Fully Tempered Glass, Add	*1.05*	
		For One Piece Obscure Glass, Add	*2.23*	
		For Argon Gas, Add	*1.44*	
08 81 26 00-0054	SF	3/4" Thick, Insulated Field Installed Glass Note: Two 1/4" lites with 1/4" air space.	21.52	
		For >50 To 200, Deduct	*-0.17*	
		For >200 To 400, Deduct	*-0.33*	
		For >400, Deduct	*-0.50*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.02*	
		For Tinted Glass, Add	*1.38*	
		For Reflective Coated Glass, Add	*2.48*	
		For Low-E Coated Glass, Add	*1.38*	
		For One Piece Heat Strengthened Glass, Add	*1.10*	
		For One Piece Fully Tempered Glass, Add	*1.10*	
		For One Piece Obscure Glass, Add	*2.34*	
		For Argon Gas, Add	*1.51*	
08 81 26 00-0055	SF	1" Thick, Insulated Field Installed Glass Note: Two 1/4" lites with 1/2" air space.	23.18	
		For >50 To 200, Deduct	*-0.20*	
		For >200 To 400, Deduct	*-0.40*	
		For >400, Deduct	*-0.60*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.51*	
		For Tinted Glass, Add	*1.67*	
		For Reflective Coated Glass, Add	*3.00*	
		For Low-E Coated Glass, Add	*1.67*	
		For One Piece Heat Strengthened Glass, Add	*1.33*	
		For One Piece Fully Tempered Glass, Add	*1.33*	
		For One Piece Obscure Glass, Add	*2.83*	
		For Argon Gas, Add	*1.83*	

08 81 26 00-0056 Spandrel Field Installed Glass *(08 81 26)*

08 81 26 00-0057 Monolithic Float Glass Panels Ceramic Back, Coated, Field Installed Glass *(08 81 26 00-0056)*

08 81 26 00-0058	SF	1/4" - 5/16" Spandrel Glass, Up To 1,000 SF, Field Installed Glass	18.90	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.10*	
08 81 26 00-0059	SF	1/4" - 5/16" Spandrel Glass, >1,000 SF, Field Installed Glass	17.66	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.10*	

08 81 26 00-0060 Insulating Float Glass Panels Ceramic Back, Coated, Tempered, Field Installed Glass *(08 81 26 00-0056)*

08 81 26 00-0061 1/4" Glass With 1" Fiberglass Insulation, Field Installed Glass *(08 81 26 00-0060)*

Note: Also with aluminum foil vapor barrier.

08 81 26 00-0062	SF	1/4" Spandrel Glass With 1" Fiberglass Insulation Up To 20,000 SF, Foil Vapor Barrier, Field Installed Glass	20.20	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.10*	
08 81 26 00-0063	SF	1/4" Spandrel Glass With 1" Fiberglass Insulation >20,000 SF, Foil Vapor Barrier, Field Installed Glass	18.79	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.10*	

08 81 26 00-0064 1/4" Glass With 3/4 To 7/8" Insulation, Field Installed Glass *(08 81 26 00-0060)*

08 81 26 00-0065	SF	1/4" Spandrel Glass, 3/4" - 7/8" Insulation 24 Gauge Steel Interfacing, Field Installed Glass	22.65	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.10*	
08 81 26 00-0066	SF	1/4" Spandrel Glass, 3/4" - 7/8" Insulation 16 Gauge Steel Interfacing, Field Installed Glass	19.88	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.10*	

08 83 Mirrors *(08 80)*

Note: Kind FT, Type I, Class I, Quality Q1.

08 83 13 Mirrored Glass Glazing *(08 83)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 83 13 00-0001		Mirror Glass *(08 83 13)*		
08 83 13 00-0002		One-Way Vision Glass (Transparent Mirrors) *(08 83 13 00-0001)*		
08 83 13 00-0003	SF	1/4" One-Way Vision Glass (Transparent Mirrors)	27.85	5.89
		For >50 To 200, Deduct	*-0.49*	
		For >200 To 400, Deduct	*-0.81*	
		For >400, Deduct	*-1.30*	
08 83 13 00-0004		Tempered, One-Way Vision Glass (Transparent Mirrors) *(08 83 13 00-0001)*		
08 83 13 00-0005	SF	1/4" Tempered, One-Way Vision Glass (Transparent Mirrors)	35.29	5.89
		For >50 To 200, Deduct	*-0.71*	
		For >200 To 400, Deduct	*-1.18*	
		For >400, Deduct	*-1.89*	
08 83 13 00-0006		Clear Mirror Glass *(08 83 13 00-0001)*		
08 83 13 00-0007	SF	1/8" Clear Mirror Glass	13.03	4.72
		For >50 To 200, Deduct	*-0.11*	
		For >200 To 400, Deduct	*-0.18*	
		For >400, Deduct	*-0.29*	
08 83 13 00-0008	SF	3/16" Clear Mirror Glass	15.20	5.50
		For >50 To 200, Deduct	*-0.13*	
		For >200 To 400, Deduct	*-0.22*	
		For >400, Deduct	*-0.35*	
08 83 13 00-0009	SF	1/4" Clear Mirror Glass	16.51	5.89
		For >50 To 200, Deduct	*-0.15*	
		For >200 To 400, Deduct	*-0.24*	
		For >400, Deduct	*-0.39*	
08 83 13 00-0010		Tempered, Clear Mirror Glass *(08 83 13 00-0001)*		
08 83 13 00-0011	SF	1/8" Tempered, Clear Mirror Glass	17.15	4.72
		For >50 To 200, Deduct	*-0.23*	
		For >200 To 400, Deduct	*-0.39*	
		For >400, Deduct	*-0.62*	
08 83 13 00-0012	SF	3/16" Tempered, Clear Mirror Glass	19.56	5.50
		For >50 To 200, Deduct	*-0.26*	
		For >200 To 400, Deduct	*-0.44*	
		For >400, Deduct	*-0.70*	
08 83 13 00-0013	SF	1/4" Tempered, Clear Mirror Glass	21.37	5.89
		For >50 To 200, Deduct	*-0.29*	
		For >200 To 400, Deduct	*-0.49*	
		For >400, Deduct	*-0.78*	
08 83 13 00-0014		Clear Mirror Glass With Laminated Safety Backing *(08 83 13 00-0001)*		
08 83 13 00-0015	SF	1/4" Clear Mirror Glass With Laminated Safety Backing	23.80	5.89
		For >50 To 200, Deduct	*-0.36*	
		For >200 To 400, Deduct	*-0.61*	
		For >400, Deduct	*-0.97*	
08 83 13 00-0016		Laminated Safety Mirror Glass *(08 83 13 00-0001)*		
		Note: Clear glass laminated to face of mirror with PVB interlayer.		
08 83 13 00-0017	SF	1/4" Laminated Safety Mirror Glass	42.72	5.89
		For >50 To 200, Deduct	*-0.93*	
		For >200 To 400, Deduct	*-1.55*	
		For >400, Deduct	*-2.49*	
08 83 13 00-0018		Accessories For Mirror Glass *(08 83 13)*		
08 83 13 00-0019	LF	1/8" Aluminum J-Channel For Mounting Mirror Glass	3.31	
08 83 13 00-0020	LF	3/16" Aluminum J-Channel For Mounting Mirror Glass	3.36	
08 83 13 00-0021	LF	1/4" Aluminum J-Channel For Mounting Mirror Glass	4.01	
08 83 13 00-0022	LF	Aluminum Frame For Mounting Mirror Glass	4.92	
08 84		Plastic Glazing *(08 80)*		
08 84 00 00-0001		Clear Polycarbonate Glazing (GE Lexan) *(08 84)*		
		See CSI section 08 88 53 00-0026 for security rated polycarbonate glazing.		
08 84 00 00-0002	SF	1/8" Thick, Clear Polycarbonate Glazing (GE Lexan)	14.36	
		For >50 To 200, Deduct	*-0.35*	
		For >200 To 400, Deduct	*-0.69*	
		For >400, Deduct	*-1.04*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*7.42*	
08 84 00 00-0003	SF	3/16" Thick, Clear Polycarbonate Glazing (GE Lexan)	16.81	
		For >50 To 200, Deduct	*-0.46*	
		For >200 To 400, Deduct	*-0.91*	
		For >400, Deduct	*-1.37*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*7.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 84 00 00-0004	SF	1/4" Thick, Clear Polycarbonate Glazing (GE Lexan)	19.63	
		For >50 To 200, Deduct	*-0.58*	
		For >200 To 400, Deduct	*-1.16*	
		For >400, Deduct	*-1.74*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*8.01*	
08 84 00 00-0005	SF	3/8" Thick, Clear Polycarbonate Glazing (GE Lexan)	26.60	
		For >50 To 200, Deduct	*-0.92*	
		For >200 To 400, Deduct	*-1.84*	
		For >400, Deduct	*-2.75*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*8.24*	
08 84 00 00-0006	SF	1/2" Thick, Clear Polycarbonate Glazing (GE Lexan)	35.91	
		For >50 To 200, Deduct	*-1.35*	
		For >200 To 400, Deduct	*-2.71*	
		For >400, Deduct	*-4.06*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*8.84*	

08 84 00 00-0007 Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10) *(08 84)*

08 84 00 00-0008	SF	1/8" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	23.98	
		For >50 To 200, Deduct	*-0.83*	
		For >200 To 400, Deduct	*-1.66*	
		For >400, Deduct	*-2.48*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*7.42*	
08 84 00 00-0009	SF	3/16" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	31.43	
		For >50 To 200, Deduct	*-1.19*	
		For >200 To 400, Deduct	*-2.37*	
		For >400, Deduct	*-3.56*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*7.71*	
08 84 00 00-0010	SF	1/4" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	31.90	
		For >50 To 200, Deduct	*-1.19*	
		For >200 To 400, Deduct	*-2.39*	
		For >400, Deduct	*-3.58*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*8.01*	
08 84 00 00-0011	SF	3/8" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	42.74	
		For >50 To 200, Deduct	*-1.73*	
		For >200 To 400, Deduct	*-3.45*	
		For >400, Deduct	*-5.18*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*8.24*	
08 84 00 00-0012	SF	1/2" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	49.78	
		For >50 To 200, Deduct	*-2.05*	
		For >200 To 400, Deduct	*-4.09*	
		For >400, Deduct	*-6.14*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*8.84*	

08 84 00 00-0013 Clear Acrylic Glazing (Plexiglas) *(08 84)*

08 84 00 00-0014	SF	1/10" Thick, Clear Acrylic Glazing (Plexiglas)	10.74	
		For >50 To 200, Deduct	*-0.18*	
		For >200 To 400, Deduct	*-0.37*	
		For >400, Deduct	*-0.55*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*7.08*	
		For Colored, Add	*0.73*	
		For Shatterproof, Add	*2.20*	
		For Mirrored, Add	*2.93*	
08 84 00 00-0015	SF	1/8" Thick, Clear Acrylic Glazing (Plexiglas)	11.48	
		For >50 To 200, Deduct	*-0.20*	
		For >200 To 400, Deduct	*-0.41*	
		For >400, Deduct	*-0.61*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*7.42*	
		For Colored, Add	*0.81*	
		For Shatterproof, Add	*2.44*	
		For Mirrored, Add	*3.25*	
08 84 00 00-0016	SF	3/16" Thick, Clear Acrylic Glazing (Plexiglas)	13.91	
		For >50 To 200, Deduct	*-0.31*	
		For >200 To 400, Deduct	*-0.62*	
		For >400, Deduct	*-0.93*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*7.71*	
		For Colored, Add	*1.24*	
		For Shatterproof, Add	*3.72*	
		For Mirrored, Add	*4.96*	
08 84 00 00-0017	SF	1/4" Thick, Clear Acrylic Glazing (Plexiglas)	16.02	
		For >50 To 200, Deduct	*-0.40*	
		For >200 To 400, Deduct	*-0.80*	
		For >400, Deduct	*-1.20*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*8.01*	
		For Colored, Add	*1.60*	
		For Shatterproof, Add	*4.81*	
		For Mirrored, Add	*6.41*	
08 84 00 00-0018	SF	5/16" Thick, Clear Acrylic Glazing (Plexiglas)	16.93	
		For >50 To 200, Deduct	*-0.44*	
		For >200 To 400, Deduct	*-0.89*	
		For >400, Deduct	*-1.33*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*8.06*	
		For Colored, Add	*1.77*	
		For Shatterproof, Add	*5.32*	
		For Mirrored, Add	*7.10*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 84 00 00-0019	SF	3/8" Thick, Clear Acrylic Glazing (Plexiglas)	18.18	
		For >50 To 200, Deduct	*-0.50*	
		For >200 To 400, Deduct	*-0.99*	
		For >400, Deduct	*-1.49*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*8.24*	
		For Colored, Add	*1.99*	
		For Shatterproof, Add	*5.96*	
		For Mirrored, Add	*7.95*	
08 84 00 00-0020	SF	1/2" Thick, Clear Acrylic Glazing (Plexiglas)	22.51	
		For >50 To 200, Deduct	*-0.68*	
		For >200 To 400, Deduct	*-1.37*	
		For >400, Deduct	*-2.05*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*8.84*	
		For Colored, Add	*2.73*	
		For Shatterproof, Add	*8.20*	
		For Mirrored, Add	*10.94*	
08 84 00 00-0021	SF	3/4" Thick, Clear Acrylic Glazing (Plexiglas)	31.57	
		For >50 To 200, Deduct	*-1.02*	
		For >200 To 400, Deduct	*-2.04*	
		For >400, Deduct	*-3.06*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.19*	
08 84 00 00-0022	SF	1" Thick, Clear Acrylic Glazing (Plexiglas)	42.54	
		For >50 To 200, Deduct	*-1.52*	
		For >200 To 400, Deduct	*-3.04*	
		For >400, Deduct	*-4.56*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.16*	

08 85 Glazing Accessories *(08 80)*

Note: Applicable to reglazing tasks only, new window installations include the gasket.

08 85 00 00-0001 Neoprene Glazing Gaskets, Tongued Section Or Tongued Mullion *(08 85)*

Note: For glass sizes listed.

08 85 00 00-0002	LF	Neoprene Glazing Gasket, 1/4" Glass Tongued Section / Tongued Mullion	6.74	1.57
08 85 00 00-0003	LF	Neoprene Glazing Gasket, 3/8" Glass Tongued Section / Tongued Mullion	6.99	1.57
08 85 00 00-0004	LF	Neoprene Glazing Gasket, 1/2" Glass Tongued Section / Tongued Mullion	7.12	1.57
08 85 00 00-0005	LF	Neoprene Glazing Gasket, 3/4" Glass Tongued Section / Tongued Mullion	7.39	1.57
08 85 00 00-0006	LF	Neoprene Glazing Gasket, 1" Glass Tongued Section / Tongued Mullion	7.69	1.57

08 85 00 00-0007 Mullion Section, For Glass Sizes Listed *(08 85)*

08 85 00 00-0008	LF	Mullion Section For 1/4" Glass	3.38	0.78
08 85 00 00-0009	LF	Mullion Section For 3/8" Glass	4.10	0.78
08 85 00 00-0010	LF	Mullion Section For 1/2" Glass	4.69	0.78
08 85 00 00-0011	LF	Mullion Section For 3/4" Glass	5.85	0.78
08 85 00 00-0012	LF	Mullion Section For 1" Glass	6.75	0.78
08 85 00 00-0013	EA	Mullion Section Molded Corners	140.34	25.94

08 85 00 00-0014 Framing For Glass Windscreens *(08 85)*

Note: Excludes glazing.

08 85 00 00-0015	LF	1-1/4" x 1-1/2" Aluminum Framed Window Walls	11.09	1.70
		For Bronze Anodized Aluminum, Add	*0.96*	
		For Stainless Steel, Add	*4.08*	
		For Black Anodized Finish, Add	*1.73*	
08 85 00 00-0016	LF	1-1/2" x 2" Aluminum Framed Window Walls	13.26	2.13
		For Bronze Anodized Aluminum, Add	*1.22*	
		For Stainless Steel, Add	*5.15*	
		For Black Anodized Finish, Add	*2.20*	
08 85 00 00-0017	LF	1-1/2" x 3" Aluminum Framed Window Walls	15.70	1.70
		For Bronze Anodized Aluminum, Add	*1.46*	
		For Stainless Steel, Add	*6.14*	
		For Black Anodized Finish, Add	*2.63*	
08 85 00 00-0018	LF	1-1/2" x 4" Aluminum Framed Window Walls	19.31	2.56
		For Bronze Anodized Aluminum, Add	*1.75*	
		For Stainless Steel, Add	*7.37*	
		For Black Anodized Finish, Add	*3.14*	
08 85 00 00-0019	LF	2" x 3" Aluminum Framed Window Walls	18.77	2.13
		For Bronze Anodized Aluminum, Add	*1.86*	
		For Stainless Steel, Add	*7.75*	
		For Black Anodized Finish, Add	*3.34*	
08 85 00 00-0020	LF	2" x 4" Aluminum Framed Window Walls	23.31	2.56
		For Bronze Anodized Aluminum, Add	*2.22*	
		For Stainless Steel, Add	*9.30*	
		For Black Anodized Finish, Add	*3.99*	

08 87 Glazing Surface Films *(08 80)*

08 87 13 Solar Control Films *(08 87)*

Note: Applied directly to one side of glazing with adhesive.

08 87 13 00-0001 Window Tinting And Film *(08 87 13)*

Note: Applied directly to one side of glazing with adhesive. Includes cleaning of window glazing prior to installation.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 87 13 00-0002	SF	Tinted, Solar Control Window Film	5.11	
08 87 13 00-0003	SF	Obscurant, Solar Control Window Film	5.11	
08 87 13 00-0004	SF	Tinted, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™)	6.69	
08 87 13 00-0005	SF	Low E, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™)	7.01	

08 87 23 Safety And Security Films *(08 87)*

08 87 23 16 Security Films *(08 87 23)*

Note: Applied directly to one side of glazing with adhesive and secured at window frame with clear silicone adhesive.

08 87 23 16-0001 High Performance, Security And Safety Glazing Films *(08 87 23 16)*

Note: Includes cleaning of window glazing prior to installation.

08 87 23 16-0002 Clear, High Performance, Security And Safety Glazing Films *(08 87 23 16-0001)*

08 87 23 16-0003	SF	0.002" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL150)	10.93	
		For >1,000 To 5,000, Deduct	*-0.51*	
		For >5,000, Deduct	*-0.68*	
08 87 23 16-0004	SF	0.004" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL400)	11.53	
		For >1,000 To 5,000, Deduct	*-0.53*	
		For >5,000, Deduct	*-0.74*	
08 87 23 16-0005	SF	0.006" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ Ultra600)	12.36	
		For >1,000 To 5,000, Deduct	*-0.56*	
		For >5,000, Deduct	*-0.83*	

08 87 23 16-0006 Tinted, High Performance Sun/Solar, Security And Safety Glazing Films *(08 87 23 16-0001)*

08 87 23 16-0007	SF	0.004" Silver, 20% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S20SIAR400)	12.19	
		For >1,000 To 5,000, Deduct	*-0.55*	
		For >5,000, Deduct	*-0.81*	
08 87 23 16-0008	SF	0.004" Neutral, 35% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S35NEAR400)	12.19	
		For >1,000 To 5,000, Deduct	*-0.55*	
		For >5,000, Deduct	*-0.81*	
08 87 23 16-0009	SF	0.004" Neutral, 50% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S50NEAR400)	12.19	
		For >1,000 To 5,000, Deduct	*-0.55*	
		For >5,000, Deduct	*-0.81*	

08 87 23 16-0010 Security And Safety Glazing Films *(08 87 23 16)*

Note: Includes cleaning of window glazing prior to installation.

08 87 23 16-0011	SF	0.007" Clear Security And Safety Glazing Film (3M Scotchshield™ SH7CLARL)	10.28	
		For >1,000 To 5,000, Deduct	*-0.48*	
		For >5,000, Deduct	*-0.62*	
08 87 23 16-0012	SF	0.008" Clear Security And Safety Glazing Film (3M Scotchshield™ SH8CLARL)	10.44	
		For >1,000 To 5,000, Deduct	*-0.49*	
		For >5,000, Deduct	*-0.63*	
08 87 23 16-0013	SF	0.014" Clear Security And Safety Glazing Film (3M Scotchshield™ SH14CLARL)	11.93	
		For >1,000 To 5,000, Deduct	*-0.54*	
		For >5,000, Deduct	*-0.78*	

08 87 23 16-0014 Anti-Graffiti Glazing Films *(08 87 23 16)*

Note: Includes cleaning of window glazing prior to installation.

08 87 23 16-0015	SF	0.004" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-4)	10.28	
		For >1,000 To 5,000, Deduct	*-0.48*	
		For >5,000, Deduct	*-0.62*	
08 87 23 16-0016	SF	0.007" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-7)	10.44	
		For >1,000 To 5,000, Deduct	*-0.49*	
		For >5,000, Deduct	*-0.63*	

08 88 Special Function Glazing *(08 80)*

08 88 49 Radiation-Resistant Glazing *(08 88)*

08 88 49 00-0001 Leaded Glass (X-Ray Shielding) *(08 88 49)*

08 88 49 00-0002	SF	1/4" Thick Lead Glass With 1/16" Pb Equivalence	187.30	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.94*	
08 88 49 00-0003	SF	1/4" Thick Lead Glass With 1/8" Pb Equivalence	276.70	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.94*	

08 88 53 Security Glazing *(08 88)*

08 88 53 00-0001 Forced Entry And/Or Ballistic Resistant All Glass Laminate *(08 88 53)*

08 88 53 00-0002 Ballistic Resistant Glass *(08 88 53 00-0001)*

08 88 53 00-0003	SF	1.28" All Glass Laminate Ballistic Resistant Glass, Level 1, 16.2 LB/SF, For A Single Piece, Up To 15 SF	73.85	19.66
		For Glass Removal And Preparing Opening For New Glazing, Add	*48.74*	
08 88 53 00-0004	SF	1.28" All Glass Laminate Ballistic Resistant Glass, Level 1, 16.2 LB/SF, For A Single Piece, >15 SF	82.36	19.66
		For Glass Removal And Preparing Opening For New Glazing, Add	*48.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 88 53 00-0005	SF	1.55" All Glass Laminate Ballistic Resistant Glass, Level 2, 21.2 LB/SF, For A Single Piece, Up To 15 SF	93.29	22.01
		For Glass Removal And Preparing Opening For New Glazing, Add	*55.04*	
08 88 53 00-0006	SF	1.55" All Glass Laminate Ballistic Resistant Glass, Level 2, 21.2 LB/SF, For A Single Piece, >15 SF	100.39	22.01
		For Glass Removal And Preparing Opening For New Glazing, Add	*55.04*	
08 88 53 00-0007	SF	2.05" All Glass Laminate Ballistic Resistant Glass, Level 3, 26.1 LB/SF, For A Single Piece, Up To 15 SF	114.27	25.16
		For Glass Removal And Preparing Opening For New Glazing, Add	*62.89*	
08 88 53 00-0008	SF	2.05" All Glass Laminate Ballistic Resistant Glass, Level 3, 26.1 LB/SF, For A Single Piece, >15 SF	119.98	25.16
		For Glass Removal And Preparing Opening For New Glazing, Add	*62.89*	
08 88 53 00-0009		**Forced Entry Resistant Glass** *(08 88 53 00-0001)*		
08 88 53 00-0010	SF	5/16" Forced Entry Resistant Laminated Glass Sheet	26.93	5.89
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.28*	
08 88 53 00-0011	SF	1/2" Forced Entry Resistant Laminated Glass Sheet	30.23	6.29
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.10*	
08 88 53 00-0012	SF	11/16" Forced Entry Resistant Laminated Glass Sheet	34.10	6.69
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.03*	
08 88 53 00-0013	SF	7/8" Forced Entry Resistant Laminated Glass Sheet	38.20	7.47
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.12*	
08 88 53 00-0014		**Glass Clad Polycarbonate** *(08 88 53)*		
08 88 53 00-0015	SF	0.76" Ballistic Resistant Glass/Poly, Level 1, 6.4 LB/SF	102.10	23.59
		For Glass Removal And Preparing Opening For New Glazing, Add	*59.75*	
08 88 53 00-0016	SF	0.8125" Ballistic Resistant Glass/Poly, Level 2, 8.99 LB/SF	115.38	27.68
		For Glass Removal And Preparing Opening For New Glazing, Add	*69.18*	
08 88 53 00-0017	SF	1.18" Ballistic Resistant Glass/Poly, Level 3, 11.5 LB/SF	142.41	31.45
		For Glass Removal And Preparing Opening For New Glazing, Add	*78.61*	
08 88 53 00-0018		**Ballistic Resistant Acrylic** *(08 88 53)*		
08 88 53 00-0019	SF	1.25" Ballistic Resistant Acrylic Glass, Level 1, 7.7 LB/SF	153.25	23.59
		For Glass Removal And Preparing Opening For New Glazing, Add	*59.75*	
08 88 53 00-0020	SF	1.378" Ballistic Resistant Acrylic Glass, Level 2, 8.5 LB/SF	179.18	27.52
		For Glass Removal And Preparing Opening For New Glazing, Add	*69.18*	
08 88 53 00-0021	SF	1.25" Ballistic Resistant Acrylic Glass, Level 3, 7.5 LB/SF	232.61	31.45
		For Glass Removal And Preparing Opening For New Glazing, Add	*78.61*	
08 88 53 00-0022		**Ballistic Resistant Fiberglass** *(08 88 53)*		
08 88 53 00-0023	SF	5/16" Ballistic Resistant Fiberglass, Level 1, 3.2 LB/SF	45.49	14.94
		For Glass Removal And Preparing Opening For New Glazing, Add	*29.87*	
08 88 53 00-0024	SF	3/8" Ballistic Resistant Fiberglass, Level 2, 3.5 LB/SF	53.44	17.29
		For Glass Removal And Preparing Opening For New Glazing, Add	*34.60*	
08 88 53 00-0025	SF	7/16" Ballistic Resistant Fiberglass, Level 3, 4.5 LB/SF	60.65	19.66
		For Glass Removal And Preparing Opening For New Glazing, Add	*39.31*	
08 88 53 00-0026		**Forced Entry And/Or Ballistic Resistant Polycarbonate** *(08 88 53)*		
08 88 53 00-0027		**Forced Entry Resistant Monolithic Polycarbonate** *(08 88 53 00-0026)* Note: GE-Lexan MR10.		
08 88 53 00-0028	SF	1/2" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level 1 or ASTM F1233, Class II (Step 5).	74.49	35.69
		For Glass Removal And Preparing Opening For New Glazing, Add	*47.65*	
08 88 53 00-0029		**Forced Entry Resistant Glass Clad Polycarbonate Laminate** *(08 88 53 00-0026)* Note: Chemically strengthened clear glass laminated to each side of a polycarbonate core. GE-Insulgard.		
08 88 53 00-0030	SF	9/16" Overall Nominal Thickness, H.P. White TP-0500.01, Level 1	92.10	23.58
		For Glass Removal And Preparing Opening For New Glazing, Add	*58.97*	
08 88 53 00-0031		**Forced Entry Resistant Polycarbonate Laminate** *(08 88 53 00-0026)* Note: GE-Lexgard MPC-500.		
08 88 53 00-0032	SF	1/2" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level II (Step 12) Or ASTM 1233 Class III (Step 15).	110.71	45.27
		For Glass Removal And Preparing Opening For New Glazing, Add	*62.89*	
08 88 53 00-0033		**Fire Resistant, Forced Entry Resistant Polycarbonate Laminate** *(08 88 53 00-0026)* Note: Wire glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. GE-Firegard.		
08 88 53 00-0034	SF	7/8" Overall Nominal Thickness, H.P. White TP-0500.01, Level I Note: UL-9 Fire Resistant.	120.79	27.93
		For Glass Removal And Preparing Opening For New Glazing, Add	*66.82*	
08 88 53 00-0035		**Insulated, Forced Entry Resistant Polycarbonate Laminate** *(08 88 53 00-0026)* Note: Glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. GE-Insulgard.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 88 53 00-0036	SF	1-5/16" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level I (1/4" tempered float glass, 1/2" airspace).	103.95	23.58
		For Glass Removal And Preparing Opening For New Glazing, Add	*58.97*	

08 88 53 00-0037 Ballistic And Forced Entry Resistant Polycarbonate Laminate *(08 88 53 00-0026)*

08 88 53 00-0038	SF	1" Nominal Thickness, Ballistic Or Forced Entry Resistant Note: 1" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (step 42) or ASTM 1233 class V (Step 40) ballistic resistance: UL 752, level 2-high powered small arms (.357 Magnum handgun).	238.37	52.52
		For Glass Removal And Preparing Opening For New Glazing, Add	*130.50*	
08 88 53 00-0039	SF	1-1/4" Nominal Thickness, Ballistic Or Forced Entry Resistant Note: 1 1/4" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (Step 42) or ASTM 1233 class V (step 40) ballistic resistance: UL 752, level 3-super high powered small arms (.44 Magnum handgun).	240.92	52.52
		For Glass Removal And Preparing Opening For New Glazing, Add	*130.50*	

08 88 53 00-0040 Ballistic Resistant Glass Clad Polycarbonate Laminate *(08 88 53 00-0026)*

Note: Chemically strengthened clear glass laminated to attack side of a polycarbonate core.

08 88 53 00-0041	SF	1-5/16" Overall Nominal Thickness, Ballistic Resistant Note: UL 752, Level 4 - Super High Powered Rifle (.30-06 Rifle), (GE-Armor-Gard).	158.97	33.29
		For Glass Removal And Preparing Opening For New Glazing, Add	*88.06*	

08 90 Louvers And Vents *(08)*

08 91 Louvers *(08 90)*

08 91 13 Motorized Wall Louvers *(08 91)*

08 91 13 00-0001 Motorized Wall Louver Actuator *(08 91 13)*

See CSI section 08 91 16 00-0001 for adjustable intake wall louvers.

08 91 13 00-0002	EA	115 Volt Actuator For Adjustable Intake Louver	1,058.51	73.29
08 91 13 00-0003	EA	230 Volt Actuator For Adjustable Intake Louver	1,597.31	73.29
08 91 13 00-0004	EA	24 Volt Actuator For Adjustable Intake Louver	1,135.31	73.29
08 91 13 00-0005	EA	115 Volt Hazardous Location Actuator For Adjustable Intake Louver	4,297.91	73.29

08 91 16 Operable Wall Louvers *(08 91)*

08 91 16 00-0001 Adjustable Intake Wall Louvers *(08 91 16)*

See CSI section 08 91 16 00-0137 for adjustable intake wall louver operators.

08 91 16 00-0002	EA	12" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	285.40	19.40
		For Flange Frame, Add	*24.66*	
		For Clear Lacquer Finish, Add	*49.32*	
		For Baked Enamel Standard Colors, Add	*73.98*	
		For Anodized Finish, Add	*98.64*	
		For Kynar™ Standard Colors Finish, Add	*135.63*	
08 91 16 00-0003	EA	12" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	356.42	23.71
		For Flange Frame, Add	*30.90*	
		For Clear Lacquer Finish, Add	*61.80*	
		For Baked Enamel Standard Colors, Add	*92.70*	
		For Anodized Finish, Add	*123.60*	
		For Kynar™ Standard Colors Finish, Add	*169.95*	
08 91 16 00-0004	EA	12" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	421.45	28.02
		For Flange Frame, Add	*36.54*	
		For Clear Lacquer Finish, Add	*73.08*	
		For Baked Enamel Standard Colors, Add	*109.62*	
		For Anodized Finish, Add	*146.16*	
		For Kynar™ Standard Colors Finish, Add	*200.97*	
08 91 16 00-0005	EA	12" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	493.06	32.34
		For Flange Frame, Add	*42.84*	
		For Clear Lacquer Finish, Add	*85.68*	
		For Baked Enamel Standard Colors, Add	*128.52*	
		For Anodized Finish, Add	*171.36*	
		For Kynar™ Standard Colors Finish, Add	*235.62*	
08 91 16 00-0006	EA	12" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	555.69	36.64
		For Flange Frame, Add	*48.24*	
		For Clear Lacquer Finish, Add	*96.48*	
		For Baked Enamel Standard Colors, Add	*144.72*	
		For Anodized Finish, Add	*192.96*	
		For Kynar™ Standard Colors Finish, Add	*265.32*	
08 91 16 00-0007	EA	12" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	654.91	40.95
		For Flange Frame, Add	*57.30*	
		For Clear Lacquer Finish, Add	*114.60*	
		For Baked Enamel Standard Colors, Add	*171.90*	
		For Anodized Finish, Add	*229.20*	
		For Kynar™ Standard Colors Finish, Add	*315.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0008	EA	12" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum	745.73	45.27
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*65.52*	
		For Clear Lacquer Finish, Add	*131.04*	
		For Baked Enamel Standard Colors, Add	*196.56*	
		For Anodized Finish, Add	*262.08*	
		For Kynar™ Standard Colors Finish, Add	*360.36*	
08 91 16 00-0009	EA	12" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum	828.87	51.73
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*72.54*	
		For Clear Lacquer Finish, Add	*145.08*	
		For Baked Enamel Standard Colors, Add	*217.62*	
		For Anodized Finish, Add	*290.16*	
		For Kynar™ Standard Colors Finish, Add	*398.97*	
08 91 16 00-0010	EA	12" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum	884.88	56.05
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*77.28*	
		For Clear Lacquer Finish, Add	*154.56*	
		For Baked Enamel Standard Colors, Add	*231.84*	
		For Anodized Finish, Add	*309.12*	
		For Kynar™ Standard Colors Finish, Add	*425.04*	
08 91 16 00-0011	EA	12" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum	954.71	60.35
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*83.40*	
		For Clear Lacquer Finish, Add	*166.80*	
		For Baked Enamel Standard Colors, Add	*250.20*	
		For Anodized Finish, Add	*333.60*	
		For Kynar™ Standard Colors Finish, Add	*458.70*	
08 91 16 00-0012	EA	12" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum	1,016.13	64.66
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*88.68*	
		For Clear Lacquer Finish, Add	*177.36*	
		For Baked Enamel Standard Colors, Add	*266.04*	
		For Anodized Finish, Add	*354.72*	
		For Kynar™ Standard Colors Finish, Add	*487.74*	
08 91 16 00-0013	EA	12" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum	1,094.35	68.98
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*95.64*	
		For Clear Lacquer Finish, Add	*191.28*	
		For Baked Enamel Standard Colors, Add	*286.92*	
		For Anodized Finish, Add	*382.56*	
		For Kynar™ Standard Colors Finish, Add	*526.02*	
08 91 16 00-0014	EA	12" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum	1,169.57	73.29
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*102.30*	
		For Clear Lacquer Finish, Add	*204.60*	
		For Baked Enamel Standard Colors, Add	*306.90*	
		For Anodized Finish, Add	*409.20*	
		For Kynar™ Standard Colors Finish, Add	*562.65*	
08 91 16 00-0015	EA	12" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum	1,263.50	79.76
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*110.40*	
		For Clear Lacquer Finish, Add	*220.80*	
		For Baked Enamel Standard Colors, Add	*331.20*	
		For Anodized Finish, Add	*441.60*	
		For Kynar™ Standard Colors Finish, Add	*607.20*	
08 91 16 00-0016	EA	12" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum	1,333.44	86.22
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*116.10*	
		For Clear Lacquer Finish, Add	*232.20*	
		For Baked Enamel Standard Colors, Add	*348.30*	
		For Anodized Finish, Add	*464.40*	
		For Kynar™ Standard Colors Finish, Add	*638.55*	
08 91 16 00-0017	EA	18" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum	321.02	23.71
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*27.36*	
		For Clear Lacquer Finish, Add	*54.72*	
		For Baked Enamel Standard Colors, Add	*82.08*	
		For Anodized Finish, Add	*109.44*	
		For Kynar™ Standard Colors Finish, Add	*150.48*	
08 91 16 00-0018	EA	18" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum	405.35	30.17
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*34.50*	
		For Clear Lacquer Finish, Add	*69.00*	
		For Baked Enamel Standard Colors, Add	*103.50*	
		For Anodized Finish, Add	*138.00*	
		For Kynar™ Standard Colors Finish, Add	*189.75*	
08 91 16 00-0019	EA	18" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum	475.18	34.49
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*40.62*	
		For Clear Lacquer Finish, Add	*81.24*	
		For Baked Enamel Standard Colors, Add	*121.86*	
		For Anodized Finish, Add	*162.48*	
		For Kynar™ Standard Colors Finish, Add	*223.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0020	EA	18" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum	591.42	43.11
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*50.52*	
		For Clear Lacquer Finish, Add	*101.04*	
		For Baked Enamel Standard Colors, Add	*151.56*	
		For Anodized Finish, Add	*202.08*	
		For Kynar™ Standard Colors Finish, Add	*277.86*	
08 91 16 00-0021	EA	18" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum	672.04	47.42
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*57.72*	
		For Clear Lacquer Finish, Add	*115.44*	
		For Baked Enamel Standard Colors, Add	*173.16*	
		For Anodized Finish, Add	*230.88*	
		For Kynar™ Standard Colors Finish, Add	*317.46*	
08 91 16 00-0022	EA	18" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum	752.67	51.73
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*64.92*	
		For Clear Lacquer Finish, Add	*129.84*	
		For Baked Enamel Standard Colors, Add	*194.76*	
		For Anodized Finish, Add	*259.68*	
		For Kynar™ Standard Colors Finish, Add	*357.06*	
08 91 16 00-0023	EA	18" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum	848.88	56.05
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*73.68*	
		For Clear Lacquer Finish, Add	*147.36*	
		For Baked Enamel Standard Colors, Add	*221.04*	
		For Anodized Finish, Add	*294.72*	
		For Kynar™ Standard Colors Finish, Add	*405.24*	
08 91 16 00-0024	EA	18" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum	941.62	62.51
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*81.66*	
		For Clear Lacquer Finish, Add	*163.32*	
		For Baked Enamel Standard Colors, Add	*244.98*	
		For Anodized Finish, Add	*326.64*	
		For Kynar™ Standard Colors Finish, Add	*449.13*	
08 91 16 00-0025	EA	18" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum	1,016.35	68.98
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*87.84*	
		For Clear Lacquer Finish, Add	*175.68*	
		For Baked Enamel Standard Colors, Add	*263.52*	
		For Anodized Finish, Add	*351.36*	
		For Kynar™ Standard Colors Finish, Add	*483.12*	
08 91 16 00-0026	EA	18" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum	1,087.37	73.29
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*94.08*	
		For Clear Lacquer Finish, Add	*188.16*	
		For Baked Enamel Standard Colors, Add	*282.24*	
		For Anodized Finish, Add	*376.32*	
		For Kynar™ Standard Colors Finish, Add	*517.44*	
08 91 16 00-0027	EA	18" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum	1,154.20	77.59
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*99.90*	
		For Clear Lacquer Finish, Add	*199.80*	
		For Baked Enamel Standard Colors, Add	*299.70*	
		For Anodized Finish, Add	*399.60*	
		For Kynar™ Standard Colors Finish, Add	*549.45*	
08 91 16 00-0028	EA	18" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum	1,240.22	81.91
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*107.64*	
		For Clear Lacquer Finish, Add	*215.28*	
		For Baked Enamel Standard Colors, Add	*322.92*	
		For Anodized Finish, Add	*430.56*	
		For Kynar™ Standard Colors Finish, Add	*592.02*	
08 91 16 00-0029	EA	18" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum	1,323.24	86.22
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*115.08*	
		For Clear Lacquer Finish, Add	*230.16*	
		For Baked Enamel Standard Colors, Add	*345.24*	
		For Anodized Finish, Add	*460.32*	
		For Kynar™ Standard Colors Finish, Add	*632.94*	
08 91 16 00-0030	EA	18" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum	1,424.97	92.69
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*123.96*	
		For Clear Lacquer Finish, Add	*247.92*	
		For Baked Enamel Standard Colors, Add	*371.88*	
		For Anodized Finish, Add	*495.84*	
		For Kynar™ Standard Colors Finish, Add	*681.78*	
08 91 16 00-0031	EA	18" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum	1,502.70	99.15
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*130.44*	
		For Clear Lacquer Finish, Add	*260.88*	
		For Baked Enamel Standard Colors, Add	*391.32*	
		For Anodized Finish, Add	*521.76*	
		For Kynar™ Standard Colors Finish, Add	*717.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0032	EA	24" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	359.65	28.02
		For Flange Frame, Add	*30.36*	
		For Clear Lacquer Finish, Add	*60.72*	
		For Baked Enamel Standard Colors, Add	*91.08*	
		For Anodized Finish, Add	*121.44*	
		For Kynar™ Standard Colors Finish, Add	*166.98*	
08 91 16 00-0033	EA	24" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	455.98	34.49
		For Flange Frame, Add	*38.70*	
		For Clear Lacquer Finish, Add	*77.40*	
		For Baked Enamel Standard Colors, Add	*116.10*	
		For Anodized Finish, Add	*154.80*	
		For Kynar™ Standard Colors Finish, Add	*212.85*	
08 91 16 00-0034	EA	24" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	564.31	40.95
		For Flange Frame, Add	*48.24*	
		For Clear Lacquer Finish, Add	*96.48*	
		For Baked Enamel Standard Colors, Add	*144.72*	
		For Anodized Finish, Add	*192.96*	
		For Kynar™ Standard Colors Finish, Add	*265.32*	
08 91 16 00-0035	EA	24" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	666.15	49.58
		For Flange Frame, Add	*56.70*	
		For Clear Lacquer Finish, Add	*113.40*	
		For Baked Enamel Standard Colors, Add	*170.10*	
		For Anodized Finish, Add	*226.80*	
		For Kynar™ Standard Colors Finish, Add	*311.85*	
08 91 16 00-0036	EA	24" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	754.58	53.88
		For Flange Frame, Add	*64.68*	
		For Clear Lacquer Finish, Add	*129.36*	
		For Baked Enamel Standard Colors, Add	*194.04*	
		For Anodized Finish, Add	*258.72*	
		For Kynar™ Standard Colors Finish, Add	*355.74*	
08 91 16 00-0037	EA	24" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	847.80	58.20
		For Flange Frame, Add	*73.14*	
		For Clear Lacquer Finish, Add	*146.28*	
		For Baked Enamel Standard Colors, Add	*219.42*	
		For Anodized Finish, Add	*292.56*	
		For Kynar™ Standard Colors Finish, Add	*402.27*	
08 91 16 00-0038	EA	24" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	963.33	64.66
		For Flange Frame, Add	*83.40*	
		For Clear Lacquer Finish, Add	*166.80*	
		For Baked Enamel Standard Colors, Add	*250.20*	
		For Anodized Finish, Add	*333.60*	
		For Kynar™ Standard Colors Finish, Add	*458.70*	
08 91 16 00-0039	EA	24" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,062.17	73.29
		For Flange Frame, Add	*91.56*	
		For Clear Lacquer Finish, Add	*183.12*	
		For Baked Enamel Standard Colors, Add	*274.68*	
		For Anodized Finish, Add	*366.24*	
		For Kynar™ Standard Colors Finish, Add	*503.58*	
08 91 16 00-0040	EA	24" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,138.00	77.59
		For Flange Frame, Add	*98.28*	
		For Clear Lacquer Finish, Add	*196.56*	
		For Baked Enamel Standard Colors, Add	*294.84*	
		For Anodized Finish, Add	*393.12*	
		For Kynar™ Standard Colors Finish, Add	*540.54*	
08 91 16 00-0041	EA	24" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,222.44	86.22
		For Flange Frame, Add	*105.00*	
		For Clear Lacquer Finish, Add	*210.00*	
		For Baked Enamel Standard Colors, Add	*315.00*	
		For Anodized Finish, Add	*420.00*	
		For Kynar™ Standard Colors Finish, Add	*577.50*	
08 91 16 00-0042	EA	24" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,299.46	90.53
		For Flange Frame, Add	*111.84*	
		For Clear Lacquer Finish, Add	*223.68*	
		For Baked Enamel Standard Colors, Add	*335.52*	
		For Anodized Finish, Add	*447.36*	
		For Kynar™ Standard Colors Finish, Add	*615.12*	
08 91 16 00-0043	EA	24" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,403.49	94.84
		For Flange Frame, Add	*121.38*	
		For Clear Lacquer Finish, Add	*242.76*	
		For Baked Enamel Standard Colors, Add	*364.14*	
		For Anodized Finish, Add	*485.52*	
		For Kynar™ Standard Colors Finish, Add	*667.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0044	EA	24" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum	1,491.90	99.15
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*129.36*	
		For Clear Lacquer Finish, Add	*258.72*	
		For Baked Enamel Standard Colors, Add	*388.08*	
		For Anodized Finish, Add	*517.44*	
		For Kynar™ Standard Colors Finish, Add	*711.48*	
08 91 16 00-0045	EA	24" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum	1,603.83	105.62
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*139.26*	
		For Clear Lacquer Finish, Add	*278.52*	
		For Baked Enamel Standard Colors, Add	*417.78*	
		For Anodized Finish, Add	*557.04*	
		For Kynar™ Standard Colors Finish, Add	*765.93*	
08 91 16 00-0046	EA	24" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum	1,686.98	112.08
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*146.28*	
		For Clear Lacquer Finish, Add	*292.56*	
		For Baked Enamel Standard Colors, Add	*438.84*	
		For Anodized Finish, Add	*585.12*	
		For Kynar™ Standard Colors Finish, Add	*804.54*	
08 91 16 00-0047	EA	30" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum	401.26	32.34
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*33.66*	
		For Clear Lacquer Finish, Add	*67.32*	
		For Baked Enamel Standard Colors, Add	*100.98*	
		For Anodized Finish, Add	*134.64*	
		For Kynar™ Standard Colors Finish, Add	*185.13*	
08 91 16 00-0048	EA	30" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum	534.42	43.11
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*44.82*	
		For Clear Lacquer Finish, Add	*89.64*	
		For Baked Enamel Standard Colors, Add	*134.46*	
		For Anodized Finish, Add	*179.28*	
		For Kynar™ Standard Colors Finish, Add	*246.51*	
08 91 16 00-0049	EA	30" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum	633.75	49.58
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*53.46*	
		For Clear Lacquer Finish, Add	*106.92*	
		For Baked Enamel Standard Colors, Add	*160.38*	
		For Anodized Finish, Add	*213.84*	
		For Kynar™ Standard Colors Finish, Add	*294.03*	
08 91 16 00-0050	EA	30" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum	742.08	56.05
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*63.00*	
		For Clear Lacquer Finish, Add	*126.00*	
		For Baked Enamel Standard Colors, Add	*189.00*	
		For Anodized Finish, Add	*252.00*	
		For Kynar™ Standard Colors Finish, Add	*346.50*	
08 91 16 00-0051	EA	30" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum	838.31	60.35
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*71.76*	
		For Clear Lacquer Finish, Add	*143.52*	
		For Baked Enamel Standard Colors, Add	*215.28*	
		For Anodized Finish, Add	*287.04*	
		For Kynar™ Standard Colors Finish, Add	*394.68*	
08 91 16 00-0052	EA	30" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum	938.84	66.82
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*80.52*	
		For Clear Lacquer Finish, Add	*161.04*	
		For Baked Enamel Standard Colors, Add	*241.56*	
		For Anodized Finish, Add	*322.08*	
		For Kynar™ Standard Colors Finish, Add	*442.86*	
08 91 16 00-0053	EA	30" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum	1,057.86	71.13
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*91.56*	
		For Clear Lacquer Finish, Add	*183.12*	
		For Baked Enamel Standard Colors, Add	*274.68*	
		For Anodized Finish, Add	*366.24*	
		For Kynar™ Standard Colors Finish, Add	*503.58*	
08 91 16 00-0054	EA	30" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum	1,160.80	77.59
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*100.56*	
		For Clear Lacquer Finish, Add	*201.12*	
		For Baked Enamel Standard Colors, Add	*301.68*	
		For Anodized Finish, Add	*402.24*	
		For Kynar™ Standard Colors Finish, Add	*553.08*	
08 91 16 00-0055	EA	30" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum	1,245.02	81.91
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*108.12*	
		For Clear Lacquer Finish, Add	*216.24*	
		For Baked Enamel Standard Colors, Add	*324.36*	
		For Anodized Finish, Add	*432.48*	
		For Kynar™ Standard Colors Finish, Add	*594.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0056	EA	30" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,339.06	90.53
		For Flange Frame, Add	*115.80*	
		For Clear Lacquer Finish, Add	*231.60*	
		For Baked Enamel Standard Colors, Add	*347.40*	
		For Anodized Finish, Add	*463.20*	
		For Kynar™ Standard Colors Finish, Add	*636.90*	
08 91 16 00-0057	EA	30" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,428.19	97.00
		For Flange Frame, Add	*123.42*	
		For Clear Lacquer Finish, Add	*246.84*	
		For Baked Enamel Standard Colors, Add	*370.26*	
		For Anodized Finish, Add	*493.68*	
		For Kynar™ Standard Colors Finish, Add	*678.81*	
08 91 16 00-0058	EA	30" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,538.82	101.30
		For Flange Frame, Add	*133.62*	
		For Clear Lacquer Finish, Add	*267.24*	
		For Baked Enamel Standard Colors, Add	*400.86*	
		For Anodized Finish, Add	*534.48*	
		For Kynar™ Standard Colors Finish, Add	*734.91*	
08 91 16 00-0059	EA	30" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,635.03	105.62
		For Flange Frame, Add	*142.38*	
		For Clear Lacquer Finish, Add	*284.76*	
		For Baked Enamel Standard Colors, Add	*427.14*	
		For Anodized Finish, Add	*569.52*	
		For Kynar™ Standard Colors Finish, Add	*783.09*	
08 91 16 00-0060	EA	30" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,752.38	112.08
		For Flange Frame, Add	*152.82*	
		For Clear Lacquer Finish, Add	*305.64*	
		For Baked Enamel Standard Colors, Add	*458.46*	
		For Anodized Finish, Add	*611.28*	
		For Kynar™ Standard Colors Finish, Add	*840.51*	
08 91 16 00-0061	EA	30" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,846.31	118.55
		For Flange Frame, Add	*160.92*	
		For Clear Lacquer Finish, Add	*321.84*	
		For Baked Enamel Standard Colors, Add	*482.76*	
		For Anodized Finish, Add	*643.68*	
		For Kynar™ Standard Colors Finish, Add	*885.06*	
08 91 16 00-0062	EA	36" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	439.89	36.64
		For Flange Frame, Add	*36.66*	
		For Clear Lacquer Finish, Add	*73.32*	
		For Baked Enamel Standard Colors, Add	*109.98*	
		For Anodized Finish, Add	*146.64*	
		For Kynar™ Standard Colors Finish, Add	*201.63*	
08 91 16 00-0063	EA	36" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	594.64	47.42
		For Flange Frame, Add	*49.98*	
		For Clear Lacquer Finish, Add	*99.96*	
		For Baked Enamel Standard Colors, Add	*149.94*	
		For Anodized Finish, Add	*199.92*	
		For Kynar™ Standard Colors Finish, Add	*274.89*	
08 91 16 00-0064	EA	36" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	694.58	53.88
		For Flange Frame, Add	*58.68*	
		For Clear Lacquer Finish, Add	*117.36*	
		For Baked Enamel Standard Colors, Add	*176.04*	
		For Anodized Finish, Add	*234.72*	
		For Kynar™ Standard Colors Finish, Add	*322.74*	
08 91 16 00-0065	EA	36" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	813.11	60.35
		For Flange Frame, Add	*69.24*	
		For Clear Lacquer Finish, Add	*138.48*	
		For Baked Enamel Standard Colors, Add	*207.72*	
		For Anodized Finish, Add	*276.96*	
		For Kynar™ Standard Colors Finish, Add	*380.82*	
08 91 16 00-0066	EA	36" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	922.45	65.53
		For Flange Frame, Add	*79.14*	
		For Clear Lacquer Finish, Add	*158.28*	
		For Baked Enamel Standard Colors, Add	*237.42*	
		For Anodized Finish, Add	*316.56*	
		For Kynar™ Standard Colors Finish, Add	*435.27*	
08 91 16 00-0067	EA	36" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,025.46	71.13
		For Flange Frame, Add	*88.32*	
		For Clear Lacquer Finish, Add	*176.64*	
		For Baked Enamel Standard Colors, Add	*264.96*	
		For Anodized Finish, Add	*353.28*	
		For Kynar™ Standard Colors Finish, Add	*485.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0068	EA	36" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,158.28	75.44
		For Flange Frame, Add	*100.74*	
		For Clear Lacquer Finish, Add	*201.48*	
		For Baked Enamel Standard Colors, Add	*302.22*	
		For Anodized Finish, Add	*402.96*	
		For Kynar™ Standard Colors Finish, Add	*554.07*	
08 91 16 00-0069	EA	36" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,273.82	81.91
		For Flange Frame, Add	*111.00*	
		For Clear Lacquer Finish, Add	*222.00*	
		For Baked Enamel Standard Colors, Add	*333.00*	
		For Anodized Finish, Add	*444.00*	
		For Kynar™ Standard Colors Finish, Add	*610.50*	
08 91 16 00-0070	EA	36" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,368.35	88.37
		For Flange Frame, Add	*119.16*	
		For Clear Lacquer Finish, Add	*238.32*	
		For Baked Enamel Standard Colors, Add	*357.48*	
		For Anodized Finish, Add	*476.64*	
		For Kynar™ Standard Colors Finish, Add	*655.38*	
08 91 16 00-0071	EA	36" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,465.29	94.84
		For Flange Frame, Add	*127.56*	
		For Clear Lacquer Finish, Add	*255.12*	
		For Baked Enamel Standard Colors, Add	*382.68*	
		For Anodized Finish, Add	*510.24*	
		For Kynar™ Standard Colors Finish, Add	*701.58*	
08 91 16 00-0072	EA	36" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,565.22	101.30
		For Flange Frame, Add	*136.26*	
		For Clear Lacquer Finish, Add	*272.52*	
		For Baked Enamel Standard Colors, Add	*408.78*	
		For Anodized Finish, Add	*545.04*	
		For Kynar™ Standard Colors Finish, Add	*749.43*	
08 91 16 00-0073	EA	36" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,686.03	105.62
		For Flange Frame, Add	*147.48*	
		For Clear Lacquer Finish, Add	*294.96*	
		For Baked Enamel Standard Colors, Add	*442.44*	
		For Anodized Finish, Add	*589.92*	
		For Kynar™ Standard Colors Finish, Add	*811.14*	
08 91 16 00-0074	EA	36" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,789.46	109.93
		For Flange Frame, Add	*156.96*	
		For Clear Lacquer Finish, Add	*313.92*	
		For Baked Enamel Standard Colors, Add	*470.88*	
		For Anodized Finish, Add	*627.84*	
		For Kynar™ Standard Colors Finish, Add	*863.28*	
08 91 16 00-0075	EA	36" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,921.79	116.40
		For Flange Frame, Add	*168.90*	
		For Clear Lacquer Finish, Add	*337.80*	
		For Baked Enamel Standard Colors, Add	*506.70*	
		For Anodized Finish, Add	*675.60*	
		For Kynar™ Standard Colors Finish, Add	*928.95*	
08 91 16 00-0076	EA	36" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,021.12	122.86
		For Flange Frame, Add	*177.54*	
		For Clear Lacquer Finish, Add	*355.08*	
		For Baked Enamel Standard Colors, Add	*532.62*	
		For Anodized Finish, Add	*710.16*	
		For Kynar™ Standard Colors Finish, Add	*976.47*	
08 91 16 00-0077	EA	42" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	503.11	40.95
		For Flange Frame, Add	*42.12*	
		For Clear Lacquer Finish, Add	*84.24*	
		For Baked Enamel Standard Colors, Add	*126.36*	
		For Anodized Finish, Add	*168.48*	
		For Kynar™ Standard Colors Finish, Add	*231.66*	
08 91 16 00-0078	EA	42" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	641.67	51.73
		For Flange Frame, Add	*53.82*	
		For Clear Lacquer Finish, Add	*107.64*	
		For Baked Enamel Standard Colors, Add	*161.46*	
		For Anodized Finish, Add	*215.28*	
		For Kynar™ Standard Colors Finish, Add	*296.01*	
08 91 16 00-0079	EA	42" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	752.40	58.20
		For Flange Frame, Add	*63.60*	
		For Clear Lacquer Finish, Add	*127.20*	
		For Baked Enamel Standard Colors, Add	*190.80*	
		For Anodized Finish, Add	*254.40*	
		For Kynar™ Standard Colors Finish, Add	*349.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0080	EA	42" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	879.44	66.82
		For Flange Frame, Add	*74.58*	
		For Clear Lacquer Finish, Add	*149.16*	
		For Baked Enamel Standard Colors, Add	*223.74*	
		For Anodized Finish, Add	*298.32*	
		For Kynar™ Standard Colors Finish, Add	*410.19*	
08 91 16 00-0081	EA	42" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	995.46	71.13
		For Flange Frame, Add	*85.32*	
		For Clear Lacquer Finish, Add	*170.64*	
		For Baked Enamel Standard Colors, Add	*255.96*	
		For Anodized Finish, Add	*341.28*	
		For Kynar™ Standard Colors Finish, Add	*469.26*	
08 91 16 00-0082	EA	42" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,105.48	75.44
		For Flange Frame, Add	*95.46*	
		For Clear Lacquer Finish, Add	*190.92*	
		For Baked Enamel Standard Colors, Add	*286.38*	
		For Anodized Finish, Add	*381.84*	
		For Kynar™ Standard Colors Finish, Add	*525.03*	
08 91 16 00-0083	EA	42" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,249.70	79.76
		For Flange Frame, Add	*109.02*	
		For Clear Lacquer Finish, Add	*218.04*	
		For Baked Enamel Standard Colors, Add	*327.06*	
		For Anodized Finish, Add	*436.08*	
		For Kynar™ Standard Colors Finish, Add	*599.61*	
08 91 16 00-0084	EA	42" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,367.04	86.22
		For Flange Frame, Add	*119.46*	
		For Clear Lacquer Finish, Add	*238.92*	
		For Baked Enamel Standard Colors, Add	*358.38*	
		For Anodized Finish, Add	*477.84*	
		For Kynar™ Standard Colors Finish, Add	*657.03*	
08 91 16 00-0085	EA	42" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,472.97	92.69
		For Flange Frame, Add	*128.76*	
		For Clear Lacquer Finish, Add	*257.52*	
		For Baked Enamel Standard Colors, Add	*386.28*	
		For Anodized Finish, Add	*515.04*	
		For Kynar™ Standard Colors Finish, Add	*708.18*	
08 91 16 00-0086	EA	42" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,572.30	99.15
		For Flange Frame, Add	*137.40*	
		For Clear Lacquer Finish, Add	*274.80*	
		For Baked Enamel Standard Colors, Add	*412.20*	
		For Anodized Finish, Add	*549.60*	
		For Kynar™ Standard Colors Finish, Add	*755.70*	
08 91 16 00-0087	EA	42" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,680.63	105.62
		For Flange Frame, Add	*146.94*	
		For Clear Lacquer Finish, Add	*293.88*	
		For Baked Enamel Standard Colors, Add	*440.82*	
		For Anodized Finish, Add	*587.76*	
		For Kynar™ Standard Colors Finish, Add	*808.17*	
08 91 16 00-0088	EA	42" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,810.46	109.93
		For Flange Frame, Add	*159.06*	
		For Clear Lacquer Finish, Add	*318.12*	
		For Baked Enamel Standard Colors, Add	*477.18*	
		For Anodized Finish, Add	*636.24*	
		For Kynar™ Standard Colors Finish, Add	*874.83*	
08 91 16 00-0089	EA	42" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,923.48	114.24
		For Flange Frame, Add	*169.50*	
		For Clear Lacquer Finish, Add	*339.00*	
		For Baked Enamel Standard Colors, Add	*508.50*	
		For Anodized Finish, Add	*678.00*	
		For Kynar™ Standard Colors Finish, Add	*932.25*	
08 91 16 00-0090	EA	42" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,071.42	120.71
		For Flange Frame, Add	*183.00*	
		For Clear Lacquer Finish, Add	*366.00*	
		For Baked Enamel Standard Colors, Add	*549.00*	
		For Anodized Finish, Add	*732.00*	
		For Kynar™ Standard Colors Finish, Add	*1,006.50*	
08 91 16 00-0091	EA	42" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,174.95	127.17
		For Flange Frame, Add	*192.06*	
		For Clear Lacquer Finish, Add	*384.12*	
		For Baked Enamel Standard Colors, Add	*576.18*	
		For Anodized Finish, Add	*768.24*	
		For Kynar™ Standard Colors Finish, Add	*1,056.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0092	EA	48" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	544.73	45.27
		For Flange Frame, Add	*45.42*	
		For Clear Lacquer Finish, Add	*90.84*	
		For Baked Enamel Standard Colors, Add	*136.26*	
		For Anodized Finish, Add	*181.68*	
		For Kynar™ Standard Colors Finish, Add	*249.81*	
08 91 16 00-0093	EA	48" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	691.68	56.05
		For Flange Frame, Add	*57.96*	
		For Clear Lacquer Finish, Add	*115.92*	
		For Baked Enamel Standard Colors, Add	*173.88*	
		For Anodized Finish, Add	*231.84*	
		For Kynar™ Standard Colors Finish, Add	*318.78*	
08 91 16 00-0094	EA	48" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	818.13	64.66
		For Flange Frame, Add	*68.88*	
		For Clear Lacquer Finish, Add	*137.76*	
		For Baked Enamel Standard Colors, Add	*206.64*	
		For Anodized Finish, Add	*275.52*	
		For Kynar™ Standard Colors Finish, Add	*378.84*	
08 91 16 00-0095	EA	48" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	947.46	71.13
		For Flange Frame, Add	*80.52*	
		For Clear Lacquer Finish, Add	*161.04*	
		For Baked Enamel Standard Colors, Add	*241.56*	
		For Anodized Finish, Add	*322.08*	
		For Kynar™ Standard Colors Finish, Add	*442.86*	
08 91 16 00-0096	EA	48" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,075.48	75.44
		For Flange Frame, Add	*92.46*	
		For Clear Lacquer Finish, Add	*184.92*	
		For Baked Enamel Standard Colors, Add	*277.38*	
		For Anodized Finish, Add	*369.84*	
		For Kynar™ Standard Colors Finish, Add	*508.53*	
08 91 16 00-0097	EA	48" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,199.30	79.76
		For Flange Frame, Add	*103.98*	
		For Clear Lacquer Finish, Add	*207.96*	
		For Baked Enamel Standard Colors, Add	*311.94*	
		For Anodized Finish, Add	*415.92*	
		For Kynar™ Standard Colors Finish, Add	*571.89*	
08 91 16 00-0098	EA	48" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,353.84	86.22
		For Flange Frame, Add	*118.14*	
		For Clear Lacquer Finish, Add	*236.28*	
		For Baked Enamel Standard Colors, Add	*354.42*	
		For Anodized Finish, Add	*472.56*	
		For Kynar™ Standard Colors Finish, Add	*649.77*	
08 91 16 00-0099	EA	48" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,481.97	92.69
		For Flange Frame, Add	*129.66*	
		For Clear Lacquer Finish, Add	*259.32*	
		For Baked Enamel Standard Colors, Add	*388.98*	
		For Anodized Finish, Add	*518.64*	
		For Kynar™ Standard Colors Finish, Add	*713.13*	
08 91 16 00-0100	EA	48" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,593.30	99.15
		For Flange Frame, Add	*139.50*	
		For Clear Lacquer Finish, Add	*279.00*	
		For Baked Enamel Standard Colors, Add	*418.50*	
		For Anodized Finish, Add	*558.00*	
		For Kynar™ Standard Colors Finish, Add	*767.25*	
08 91 16 00-0101	EA	48" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,706.43	105.62
		For Flange Frame, Add	*149.52*	
		For Clear Lacquer Finish, Add	*299.04*	
		For Baked Enamel Standard Colors, Add	*448.56*	
		For Anodized Finish, Add	*598.08*	
		For Kynar™ Standard Colors Finish, Add	*822.36*	
08 91 16 00-0102	EA	48" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,817.18	112.08
		For Flange Frame, Add	*159.30*	
		For Clear Lacquer Finish, Add	*318.60*	
		For Baked Enamel Standard Colors, Add	*477.90*	
		For Anodized Finish, Add	*637.20*	
		For Kynar™ Standard Colors Finish, Add	*876.15*	
08 91 16 00-0103	EA	48" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,963.79	116.40
		For Flange Frame, Add	*173.10*	
		For Clear Lacquer Finish, Add	*346.20*	
		For Baked Enamel Standard Colors, Add	*519.30*	
		For Anodized Finish, Add	*692.40*	
		For Kynar™ Standard Colors Finish, Add	*952.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0104	EA	48" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,085.82	120.71
		For Flange Frame, Add	*184.44*	
		For Clear Lacquer Finish, Add	*368.88*	
		For Baked Enamel Standard Colors, Add	*553.32*	
		For Anodized Finish, Add	*737.76*	
		For Kynar™ Standard Colors Finish, Add	*1,014.42*	
08 91 16 00-0105	EA	48" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,236.04	125.02
		For Flange Frame, Add	*198.60*	
		For Clear Lacquer Finish, Add	*397.20*	
		For Baked Enamel Standard Colors, Add	*595.80*	
		For Anodized Finish, Add	*794.40*	
		For Kynar™ Standard Colors Finish, Add	*1,092.30*	
08 91 16 00-0106	EA	48" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,349.77	131.49
		For Flange Frame, Add	*208.68*	
		For Clear Lacquer Finish, Add	*417.36*	
		For Baked Enamel Standard Colors, Add	*626.04*	
		For Anodized Finish, Add	*834.72*	
		For Kynar™ Standard Colors Finish, Add	*1,147.74*	
08 91 16 00-0107	EA	54" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	632.07	51.73
		For Flange Frame, Add	*52.86*	
		For Clear Lacquer Finish, Add	*105.72*	
		For Baked Enamel Standard Colors, Add	*158.58*	
		For Anodized Finish, Add	*211.44*	
		For Kynar™ Standard Colors Finish, Add	*290.73*	
08 91 16 00-0108	EA	54" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	809.02	62.51
		For Flange Frame, Add	*68.40*	
		For Clear Lacquer Finish, Add	*136.80*	
		For Baked Enamel Standard Colors, Add	*205.20*	
		For Anodized Finish, Add	*273.60*	
		For Kynar™ Standard Colors Finish, Add	*376.20*	
08 91 16 00-0109	EA	54" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	948.17	73.29
		For Flange Frame, Add	*80.16*	
		For Clear Lacquer Finish, Add	*160.32*	
		For Baked Enamel Standard Colors, Add	*240.48*	
		For Anodized Finish, Add	*320.64*	
		For Kynar™ Standard Colors Finish, Add	*440.88*	
08 91 16 00-0110	EA	54" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,087.00	77.59
		For Flange Frame, Add	*93.18*	
		For Clear Lacquer Finish, Add	*186.36*	
		For Baked Enamel Standard Colors, Add	*279.54*	
		For Anodized Finish, Add	*372.72*	
		For Kynar™ Standard Colors Finish, Add	*512.49*	
08 91 16 00-0111	EA	54" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,237.82	81.91
		For Flange Frame, Add	*107.40*	
		For Clear Lacquer Finish, Add	*214.80*	
		For Baked Enamel Standard Colors, Add	*322.20*	
		For Anodized Finish, Add	*429.60*	
		For Kynar™ Standard Colors Finish, Add	*590.70*	
08 91 16 00-0112	EA	54" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,373.04	86.22
		For Flange Frame, Add	*120.06*	
		For Clear Lacquer Finish, Add	*240.12*	
		For Baked Enamel Standard Colors, Add	*360.18*	
		For Anodized Finish, Add	*480.24*	
		For Kynar™ Standard Colors Finish, Add	*660.33*	
08 91 16 00-0113	EA	54" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,552.17	92.69
		For Flange Frame, Add	*136.68*	
		For Clear Lacquer Finish, Add	*273.36*	
		For Baked Enamel Standard Colors, Add	*410.04*	
		For Anodized Finish, Add	*546.72*	
		For Kynar™ Standard Colors Finish, Add	*751.74*	
08 91 16 00-0114	EA	54" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,726.50	99.15
		For Flange Frame, Add	*152.82*	
		For Clear Lacquer Finish, Add	*305.64*	
		For Baked Enamel Standard Colors, Add	*458.46*	
		For Anodized Finish, Add	*611.28*	
		For Kynar™ Standard Colors Finish, Add	*840.51*	
08 91 16 00-0115	EA	54" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,857.63	105.62
		For Flange Frame, Add	*164.64*	
		For Clear Lacquer Finish, Add	*329.28*	
		For Baked Enamel Standard Colors, Add	*493.92*	
		For Anodized Finish, Add	*658.56*	
		For Kynar™ Standard Colors Finish, Add	*905.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0116	EA	54" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,986.98	112.08
		For Flange Frame, Add	*176.28*	
		For Clear Lacquer Finish, Add	*352.56*	
		For Baked Enamel Standard Colors, Add	*528.84*	
		For Anodized Finish, Add	*705.12*	
		For Kynar™ Standard Colors Finish, Add	*969.54*	
08 91 16 00-0117	EA	54" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,110.79	116.40
		For Flange Frame, Add	*187.80*	
		For Clear Lacquer Finish, Add	*375.60*	
		For Baked Enamel Standard Colors, Add	*563.40*	
		For Anodized Finish, Add	*751.20*	
		For Kynar™ Standard Colors Finish, Add	*1,032.90*	
08 91 16 00-0118	EA	54" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,274.22	120.71
		For Flange Frame, Add	*203.28*	
		For Clear Lacquer Finish, Add	*406.56*	
		For Baked Enamel Standard Colors, Add	*609.84*	
		For Anodized Finish, Add	*813.12*	
		For Kynar™ Standard Colors Finish, Add	*1,118.04*	
08 91 16 00-0119	EA	54" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,410.64	125.02
		For Flange Frame, Add	*216.06*	
		For Clear Lacquer Finish, Add	*432.12*	
		For Baked Enamel Standard Colors, Add	*648.18*	
		For Anodized Finish, Add	*864.24*	
		For Kynar™ Standard Colors Finish, Add	*1,188.33*	
08 91 16 00-0120	EA	54" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,586.06	129.33
		For Flange Frame, Add	*232.74*	
		For Clear Lacquer Finish, Add	*465.48*	
		For Baked Enamel Standard Colors, Add	*698.22*	
		For Anodized Finish, Add	*930.96*	
		For Kynar™ Standard Colors Finish, Add	*1,280.07*	
08 91 16 00-0121	EA	54" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,718.39	135.79
		For Flange Frame, Add	*244.68*	
		For Clear Lacquer Finish, Add	*489.36*	
		For Baked Enamel Standard Colors, Add	*734.04*	
		For Anodized Finish, Add	*978.72*	
		For Kynar™ Standard Colors Finish, Add	*1,345.74*	
08 91 16 00-0122	EA	60" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	671.28	56.05
		For Flange Frame, Add	*55.92*	
		For Clear Lacquer Finish, Add	*111.84*	
		For Baked Enamel Standard Colors, Add	*167.76*	
		For Anodized Finish, Add	*223.68*	
		For Kynar™ Standard Colors Finish, Add	*307.56*	
08 91 16 00-0123	EA	60" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	863.35	68.98
		For Flange Frame, Add	*72.54*	
		For Clear Lacquer Finish, Add	*145.08*	
		For Baked Enamel Standard Colors, Add	*217.62*	
		For Anodized Finish, Add	*290.16*	
		For Kynar™ Standard Colors Finish, Add	*398.97*	
08 91 16 00-0124	EA	60" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,004.80	77.59
		For Flange Frame, Add	*84.96*	
		For Clear Lacquer Finish, Add	*169.92*	
		For Baked Enamel Standard Colors, Add	*254.88*	
		For Anodized Finish, Add	*339.84*	
		For Kynar™ Standard Colors Finish, Add	*467.28*	
08 91 16 00-0125	EA	60" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,157.42	81.91
		For Flange Frame, Add	*99.36*	
		For Clear Lacquer Finish, Add	*198.72*	
		For Baked Enamel Standard Colors, Add	*298.08*	
		For Anodized Finish, Add	*397.44*	
		For Kynar™ Standard Colors Finish, Add	*546.48*	
08 91 16 00-0126	EA	60" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,317.95	88.37
		For Flange Frame, Add	*114.12*	
		For Clear Lacquer Finish, Add	*228.24*	
		For Baked Enamel Standard Colors, Add	*342.36*	
		For Anodized Finish, Add	*456.48*	
		For Kynar™ Standard Colors Finish, Add	*627.66*	
08 91 16 00-0127	EA	60" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,460.97	92.69
		For Flange Frame, Add	*127.56*	
		For Clear Lacquer Finish, Add	*255.12*	
		For Baked Enamel Standard Colors, Add	*382.68*	
		For Anodized Finish, Add	*510.24*	
		For Kynar™ Standard Colors Finish, Add	*701.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0128	EA	60" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,652.70	99.15
		For Flange Frame, Add	*145.44*	
		For Clear Lacquer Finish, Add	*290.88*	
		For Baked Enamel Standard Colors, Add	*436.32*	
		For Anodized Finish, Add	*581.76*	
		For Kynar™ Standard Colors Finish, Add	*799.92*	
08 91 16 00-0129	EA	60" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,831.83	105.62
		For Flange Frame, Add	*162.06*	
		For Clear Lacquer Finish, Add	*324.12*	
		For Baked Enamel Standard Colors, Add	*486.18*	
		For Anodized Finish, Add	*648.24*	
		For Kynar™ Standard Colors Finish, Add	*891.33*	
08 91 16 00-0130	EA	60" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,971.98	112.08
		For Flange Frame, Add	*174.78*	
		For Clear Lacquer Finish, Add	*349.56*	
		For Baked Enamel Standard Colors, Add	*524.34*	
		For Anodized Finish, Add	*699.12*	
		For Kynar™ Standard Colors Finish, Add	*961.29*	
08 91 16 00-0131	EA	60" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,109.71	118.55
		For Flange Frame, Add	*187.26*	
		For Clear Lacquer Finish, Add	*374.52*	
		For Baked Enamel Standard Colors, Add	*561.78*	
		For Anodized Finish, Add	*749.04*	
		For Kynar™ Standard Colors Finish, Add	*1,029.93*	
08 91 16 00-0132	EA	60" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,241.32	122.86
		For Flange Frame, Add	*199.56*	
		For Clear Lacquer Finish, Add	*399.12*	
		For Baked Enamel Standard Colors, Add	*598.68*	
		For Anodized Finish, Add	*798.24*	
		For Kynar™ Standard Colors Finish, Add	*1,097.58*	
08 91 16 00-0133	EA	60" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,418.55	127.17
		For Flange Frame, Add	*216.42*	
		For Clear Lacquer Finish, Add	*432.84*	
		For Baked Enamel Standard Colors, Add	*649.26*	
		For Anodized Finish, Add	*865.68*	
		For Kynar™ Standard Colors Finish, Add	*1,190.31*	
08 91 16 00-0134	EA	60" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,561.57	131.49
		For Flange Frame, Add	*229.86*	
		For Clear Lacquer Finish, Add	*459.72*	
		For Baked Enamel Standard Colors, Add	*689.58*	
		For Anodized Finish, Add	*919.44*	
		For Kynar™ Standard Colors Finish, Add	*1,264.23*	
08 91 16 00-0135	EA	60" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,745.99	135.79
		For Flange Frame, Add	*247.44*	
		For Clear Lacquer Finish, Add	*494.88*	
		For Baked Enamel Standard Colors, Add	*742.32*	
		For Anodized Finish, Add	*989.76*	
		For Kynar™ Standard Colors Finish, Add	*1,360.92*	
08 91 16 00-0136	EA	60" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,881.81	140.11
		For Flange Frame, Add	*260.16*	
		For Clear Lacquer Finish, Add	*520.32*	
		For Baked Enamel Standard Colors, Add	*780.48*	
		For Anodized Finish, Add	*1,040.64*	
		For Kynar™ Standard Colors Finish, Add	*1,430.88*	

08 91 16 00-0137 Adjustable Intake Wall Louvers Operators *(08 91 16)*

08 91 16 00-0138	EA	5' Chain Actuator For Adjustable Intake Louver	172.71	21.56
08 91 16 00-0139	EA	Panel Crank For Adjustable Intake Louver	364.04	8.62

08 91 19 Fixed Louvers *(08 91)*

08 91 19 00-0001 Fixed Intake Wall Louvers *(08 91 19)*

08 91 19 00-0002	EA	12" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	220.00	19.40
		For Flange Frame, Add	*18.12*	
		For Clear Lacquer Finish, Add	*36.24*	
		For Baked Enamel Standard Colors, Add	*54.36*	
		For Anodized Finish, Add	*72.48*	
		For Kynar™ Standard Colors Finish, Add	*99.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0003	EA	12" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	261.62	23.71
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*21.42*	
		For Clear Lacquer Finish, Add	*42.84*	
		For Baked Enamel Standard Colors, Add	*64.26*	
		For Anodized Finish, Add	*85.68*	
		For Kynar™ Standard Colors Finish, Add	*117.81*	
08 91 19 00-0004	EA	12" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	303.85	28.02
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*24.78*	
		For Clear Lacquer Finish, Add	*49.56*	
		For Baked Enamel Standard Colors, Add	*74.34*	
		For Anodized Finish, Add	*99.12*	
		For Kynar™ Standard Colors Finish, Add	*136.29*	
08 91 19 00-0005	EA	12" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	356.26	32.34
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*29.16*	
		For Clear Lacquer Finish, Add	*58.32*	
		For Baked Enamel Standard Colors, Add	*87.48*	
		For Anodized Finish, Add	*116.64*	
		For Kynar™ Standard Colors Finish, Add	*160.38*	
08 91 19 00-0006	EA	12" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	400.89	36.64
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*32.76*	
		For Clear Lacquer Finish, Add	*65.52*	
		For Baked Enamel Standard Colors, Add	*98.28*	
		For Anodized Finish, Add	*131.04*	
		For Kynar™ Standard Colors Finish, Add	*180.18*	
08 91 19 00-0007	EA	12" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	471.91	40.95
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*39.00*	
		For Clear Lacquer Finish, Add	*78.00*	
		For Baked Enamel Standard Colors, Add	*117.00*	
		For Anodized Finish, Add	*156.00*	
		For Kynar™ Standard Colors Finish, Add	*214.50*	
08 91 19 00-0008	EA	12" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	511.73	45.27
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*42.12*	
		For Clear Lacquer Finish, Add	*84.24*	
		For Baked Enamel Standard Colors, Add	*126.36*	
		For Anodized Finish, Add	*168.48*	
		For Kynar™ Standard Colors Finish, Add	*231.66*	
08 91 19 00-0009	EA	12" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	572.67	51.73
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*46.92*	
		For Clear Lacquer Finish, Add	*93.84*	
		For Baked Enamel Standard Colors, Add	*140.76*	
		For Anodized Finish, Add	*187.68*	
		For Kynar™ Standard Colors Finish, Add	*258.06*	
08 91 19 00-0010	EA	12" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	609.48	56.05
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*49.74*	
		For Clear Lacquer Finish, Add	*99.48*	
		For Baked Enamel Standard Colors, Add	*149.22*	
		For Anodized Finish, Add	*198.96*	
		For Kynar™ Standard Colors Finish, Add	*273.57*	
08 91 19 00-0011	EA	12" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	658.91	60.35
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*53.82*	
		For Clear Lacquer Finish, Add	*107.64*	
		For Baked Enamel Standard Colors, Add	*161.46*	
		For Anodized Finish, Add	*215.28*	
		For Kynar™ Standard Colors Finish, Add	*296.01*	
08 91 19 00-0012	EA	12" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	702.33	64.66
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*57.30*	
		For Clear Lacquer Finish, Add	*114.60*	
		For Baked Enamel Standard Colors, Add	*171.90*	
		For Anodized Finish, Add	*229.20*	
		For Kynar™ Standard Colors Finish, Add	*315.15*	
08 91 19 00-0013	EA	12" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	753.55	68.98
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*61.56*	
		For Clear Lacquer Finish, Add	*123.12*	
		For Baked Enamel Standard Colors, Add	*184.68*	
		For Anodized Finish, Add	*246.24*	
		For Kynar™ Standard Colors Finish, Add	*338.58*	
08 91 19 00-0014	EA	12" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	801.77	73.29
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*65.52*	
		For Clear Lacquer Finish, Add	*131.04*	
		For Baked Enamel Standard Colors, Add	*196.56*	
		For Anodized Finish, Add	*262.08*	
		For Kynar™ Standard Colors Finish, Add	*360.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0015	EA	12" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	845.90	79.76
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*68.64*	
		For Clear Lacquer Finish, Add	*137.28*	
		For Baked Enamel Standard Colors, Add	*205.92*	
		For Anodized Finish, Add	*274.56*	
		For Kynar™ Standard Colors Finish, Add	*377.52*	
08 91 19 00-0016	EA	12" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	903.84	86.22
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*73.14*	
		For Clear Lacquer Finish, Add	*146.28*	
		For Baked Enamel Standard Colors, Add	*219.42*	
		For Anodized Finish, Add	*292.56*	
		For Kynar™ Standard Colors Finish, Add	*402.27*	
08 91 19 00-0017	EA	18" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	256.22	23.71
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*20.88*	
		For Clear Lacquer Finish, Add	*41.76*	
		For Baked Enamel Standard Colors, Add	*62.64*	
		For Anodized Finish, Add	*83.52*	
		For Kynar™ Standard Colors Finish, Add	*114.84*	
08 91 19 00-0018	EA	18" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	308.15	30.17
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*24.78*	
		For Clear Lacquer Finish, Add	*49.56*	
		For Baked Enamel Standard Colors, Add	*74.34*	
		For Anodized Finish, Add	*99.12*	
		For Kynar™ Standard Colors Finish, Add	*136.29*	
08 91 19 00-0019	EA	18" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	356.98	34.49
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*28.80*	
		For Clear Lacquer Finish, Add	*57.60*	
		For Baked Enamel Standard Colors, Add	*86.40*	
		For Anodized Finish, Add	*115.20*	
		For Kynar™ Standard Colors Finish, Add	*158.40*	
08 91 19 00-0020	EA	18" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	447.42	43.11
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*36.12*	
		For Clear Lacquer Finish, Add	*72.24*	
		For Baked Enamel Standard Colors, Add	*108.36*	
		For Anodized Finish, Add	*144.48*	
		For Kynar™ Standard Colors Finish, Add	*198.66*	
08 91 19 00-0021	EA	18" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	512.44	47.42
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*41.76*	
		For Clear Lacquer Finish, Add	*83.52*	
		For Baked Enamel Standard Colors, Add	*125.28*	
		For Anodized Finish, Add	*167.04*	
		For Kynar™ Standard Colors Finish, Add	*229.68*	
08 91 19 00-0022	EA	18" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	570.27	51.73
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*46.68*	
		For Clear Lacquer Finish, Add	*93.36*	
		For Baked Enamel Standard Colors, Add	*140.04*	
		For Anodized Finish, Add	*186.72*	
		For Kynar™ Standard Colors Finish, Add	*256.74*	
08 91 19 00-0023	EA	18" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	611.88	56.05
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*49.98*	
		For Clear Lacquer Finish, Add	*99.96*	
		For Baked Enamel Standard Colors, Add	*149.94*	
		For Anodized Finish, Add	*199.92*	
		For Kynar™ Standard Colors Finish, Add	*274.89*	
08 91 19 00-0024	EA	18" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	681.22	62.51
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*55.62*	
		For Clear Lacquer Finish, Add	*111.24*	
		For Baked Enamel Standard Colors, Add	*166.86*	
		For Anodized Finish, Add	*222.48*	
		For Kynar™ Standard Colors Finish, Add	*305.91*	
08 91 19 00-0025	EA	18" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	730.75	68.98
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*59.28*	
		For Clear Lacquer Finish, Add	*118.56*	
		For Baked Enamel Standard Colors, Add	*177.84*	
		For Anodized Finish, Add	*237.12*	
		For Kynar™ Standard Colors Finish, Add	*326.04*	
08 91 19 00-0026	EA	18" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	793.37	73.29
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*64.68*	
		For Clear Lacquer Finish, Add	*129.36*	
		For Baked Enamel Standard Colors, Add	*194.04*	
		For Anodized Finish, Add	*258.72*	
		For Kynar™ Standard Colors Finish, Add	*355.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0027	EA	18" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	841.60	77.59
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*68.64*	
		For Clear Lacquer Finish, Add	*137.28*	
		For Baked Enamel Standard Colors, Add	*205.92*	
		For Anodized Finish, Add	*274.56*	
		For Kynar™ Standard Colors Finish, Add	*377.52*	
08 91 19 00-0028	EA	18" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	895.22	81.91
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*73.14*	
		For Clear Lacquer Finish, Add	*146.28*	
		For Baked Enamel Standard Colors, Add	*219.42*	
		For Anodized Finish, Add	*292.56*	
		For Kynar™ Standard Colors Finish, Add	*402.27*	
08 91 19 00-0029	EA	18" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	951.24	86.22
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*77.88*	
		For Clear Lacquer Finish, Add	*155.76*	
		For Baked Enamel Standard Colors, Add	*233.64*	
		For Anodized Finish, Add	*311.52*	
		For Kynar™ Standard Colors Finish, Add	*428.34*	
08 91 19 00-0030	EA	18" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	1,001.97	92.69
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*81.66*	
		For Clear Lacquer Finish, Add	*163.32*	
		For Baked Enamel Standard Colors, Add	*244.98*	
		For Anodized Finish, Add	*326.64*	
		For Kynar™ Standard Colors Finish, Add	*449.13*	
08 91 19 00-0031	EA	18" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	1,071.30	99.15
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*87.30*	
		For Clear Lacquer Finish, Add	*174.60*	
		For Baked Enamel Standard Colors, Add	*261.90*	
		For Anodized Finish, Add	*349.20*	
		For Kynar™ Standard Colors Finish, Add	*480.15*	
08 91 19 00-0032	EA	24" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	296.65	28.02
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*24.06*	
		For Clear Lacquer Finish, Add	*48.12*	
		For Baked Enamel Standard Colors, Add	*72.18*	
		For Anodized Finish, Add	*96.24*	
		For Kynar™ Standard Colors Finish, Add	*132.33*	
08 91 19 00-0033	EA	24" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	353.98	34.49
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*28.50*	
		For Clear Lacquer Finish, Add	*57.00*	
		For Baked Enamel Standard Colors, Add	*85.50*	
		For Anodized Finish, Add	*114.00*	
		For Kynar™ Standard Colors Finish, Add	*156.75*	
08 91 19 00-0034	EA	24" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	437.71	40.95
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*35.58*	
		For Clear Lacquer Finish, Add	*71.16*	
		For Baked Enamel Standard Colors, Add	*106.74*	
		For Anodized Finish, Add	*142.32*	
		For Kynar™ Standard Colors Finish, Add	*195.69*	
08 91 19 00-0035	EA	24" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	516.75	49.58
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*41.76*	
		For Clear Lacquer Finish, Add	*83.52*	
		For Baked Enamel Standard Colors, Add	*125.28*	
		For Anodized Finish, Add	*167.04*	
		For Kynar™ Standard Colors Finish, Add	*229.68*	
08 91 19 00-0036	EA	24" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	590.18	53.88
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*48.24*	
		For Clear Lacquer Finish, Add	*96.48*	
		For Baked Enamel Standard Colors, Add	*144.72*	
		For Anodized Finish, Add	*192.96*	
		For Kynar™ Standard Colors Finish, Add	*265.32*	
08 91 19 00-0037	EA	24" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	658.20	58.20
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*54.18*	
		For Clear Lacquer Finish, Add	*108.36*	
		For Baked Enamel Standard Colors, Add	*162.54*	
		For Anodized Finish, Add	*216.72*	
		For Kynar™ Standard Colors Finish, Add	*297.99*	
08 91 19 00-0038	EA	24" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	716.13	64.66
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*58.68*	
		For Clear Lacquer Finish, Add	*117.36*	
		For Baked Enamel Standard Colors, Add	*176.04*	
		For Anodized Finish, Add	*234.72*	
		For Kynar™ Standard Colors Finish, Add	*322.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0039	EA	24" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	793.37	73.29
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*64.68*	
		For Clear Lacquer Finish, Add	*129.36*	
		For Baked Enamel Standard Colors, Add	*194.04*	
		For Anodized Finish, Add	*258.72*	
		For Kynar™ Standard Colors Finish, Add	*355.74*	
08 91 19 00-0040	EA	24" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	844.00	77.59
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*68.88*	
		For Clear Lacquer Finish, Add	*137.76*	
		For Baked Enamel Standard Colors, Add	*206.64*	
		For Anodized Finish, Add	*275.52*	
		For Kynar™ Standard Colors Finish, Add	*378.84*	
08 91 19 00-0041	EA	24" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	927.84	86.22
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*75.54*	
		For Clear Lacquer Finish, Add	*151.08*	
		For Baked Enamel Standard Colors, Add	*226.62*	
		For Anodized Finish, Add	*302.16*	
		For Kynar™ Standard Colors Finish, Add	*415.47*	
08 91 19 00-0042	EA	24" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	980.26	90.53
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*79.92*	
		For Clear Lacquer Finish, Add	*159.84*	
		For Baked Enamel Standard Colors, Add	*239.76*	
		For Anodized Finish, Add	*319.68*	
		For Kynar™ Standard Colors Finish, Add	*439.56*	
08 91 19 00-0043	EA	24" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	1,047.69	94.84
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*85.80*	
		For Clear Lacquer Finish, Add	*171.60*	
		For Baked Enamel Standard Colors, Add	*257.40*	
		For Anodized Finish, Add	*343.20*	
		For Kynar™ Standard Colors Finish, Add	*471.90*	
08 91 19 00-0044	EA	24" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	1,113.90	99.15
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*91.56*	
		For Clear Lacquer Finish, Add	*183.12*	
		For Baked Enamel Standard Colors, Add	*274.68*	
		For Anodized Finish, Add	*366.24*	
		For Kynar™ Standard Colors Finish, Add	*503.58*	
08 91 19 00-0045	EA	24" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	1,165.83	105.62
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*95.46*	
		For Clear Lacquer Finish, Add	*190.92*	
		For Baked Enamel Standard Colors, Add	*286.38*	
		For Anodized Finish, Add	*381.84*	
		For Kynar™ Standard Colors Finish, Add	*525.03*	
08 91 19 00-0046	EA	24" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	1,249.58	112.08
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*102.54*	
		For Clear Lacquer Finish, Add	*205.08*	
		For Baked Enamel Standard Colors, Add	*307.62*	
		For Anodized Finish, Add	*410.16*	
		For Kynar™ Standard Colors Finish, Add	*563.97*	
08 91 19 00-0047	EA	30" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	332.86	32.34
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*26.82*	
		For Clear Lacquer Finish, Add	*53.64*	
		For Baked Enamel Standard Colors, Add	*80.46*	
		For Anodized Finish, Add	*107.28*	
		For Kynar™ Standard Colors Finish, Add	*147.51*	
08 91 19 00-0048	EA	30" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	431.22	43.11
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*34.50*	
		For Clear Lacquer Finish, Add	*69.00*	
		For Baked Enamel Standard Colors, Add	*103.50*	
		For Anodized Finish, Add	*138.00*	
		For Kynar™ Standard Colors Finish, Add	*189.75*	
08 91 19 00-0049	EA	30" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	502.95	49.58
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*40.38*	
		For Clear Lacquer Finish, Add	*80.76*	
		For Baked Enamel Standard Colors, Add	*121.14*	
		For Anodized Finish, Add	*161.52*	
		For Kynar™ Standard Colors Finish, Add	*222.09*	
08 91 19 00-0050	EA	30" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	586.08	56.05
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*47.40*	
		For Clear Lacquer Finish, Add	*94.80*	
		For Baked Enamel Standard Colors, Add	*142.20*	
		For Anodized Finish, Add	*189.60*	
		For Kynar™ Standard Colors Finish, Add	*260.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0051	EA	30" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	673.91	60.35
		For Flange Frame, Add	*55.32*	
		For Clear Lacquer Finish, Add	*110.64*	
		For Baked Enamel Standard Colors, Add	*165.96*	
		For Anodized Finish, Add	*221.28*	
		For Kynar™ Standard Colors Finish, Add	*304.26*	
08 91 19 00-0052	EA	30" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	749.24	66.82
		For Flange Frame, Add	*61.56*	
		For Clear Lacquer Finish, Add	*123.12*	
		For Baked Enamel Standard Colors, Add	*184.68*	
		For Anodized Finish, Add	*246.24*	
		For Kynar™ Standard Colors Finish, Add	*338.58*	
08 91 19 00-0053	EA	30" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	805.26	71.13
		For Flange Frame, Add	*66.30*	
		For Clear Lacquer Finish, Add	*132.60*	
		For Baked Enamel Standard Colors, Add	*198.90*	
		For Anodized Finish, Add	*265.20*	
		For Kynar™ Standard Colors Finish, Add	*364.65*	
08 91 19 00-0054	EA	30" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	884.20	77.59
		For Flange Frame, Add	*72.90*	
		For Clear Lacquer Finish, Add	*145.80*	
		For Baked Enamel Standard Colors, Add	*218.70*	
		For Anodized Finish, Add	*291.60*	
		For Kynar™ Standard Colors Finish, Add	*400.95*	
08 91 19 00-0055	EA	30" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	946.82	81.91
		For Flange Frame, Add	*78.30*	
		For Clear Lacquer Finish, Add	*156.60*	
		For Baked Enamel Standard Colors, Add	*234.90*	
		For Anodized Finish, Add	*313.20*	
		For Kynar™ Standard Colors Finish, Add	*430.65*	
08 91 19 00-0056	EA	30" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,043.26	90.53
		For Flange Frame, Add	*86.22*	
		For Clear Lacquer Finish, Add	*172.44*	
		For Baked Enamel Standard Colors, Add	*258.66*	
		For Anodized Finish, Add	*344.88*	
		For Kynar™ Standard Colors Finish, Add	*474.21*	
08 91 19 00-0057	EA	30" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,105.39	97.00
		For Flange Frame, Add	*91.14*	
		For Clear Lacquer Finish, Add	*182.28*	
		For Baked Enamel Standard Colors, Add	*273.42*	
		For Anodized Finish, Add	*364.56*	
		For Kynar™ Standard Colors Finish, Add	*501.27*	
08 91 19 00-0058	EA	30" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,177.02	101.30
		For Flange Frame, Add	*97.44*	
		For Clear Lacquer Finish, Add	*194.88*	
		For Baked Enamel Standard Colors, Add	*292.32*	
		For Anodized Finish, Add	*389.76*	
		For Kynar™ Standard Colors Finish, Add	*535.92*	
08 91 19 00-0059	EA	30" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,248.03	105.62
		For Flange Frame, Add	*103.68*	
		For Clear Lacquer Finish, Add	*207.36*	
		For Baked Enamel Standard Colors, Add	*311.04*	
		For Anodized Finish, Add	*414.72*	
		For Kynar™ Standard Colors Finish, Add	*570.24*	
08 91 19 00-0060	EA	30" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,308.98	112.08
		For Flange Frame, Add	*108.48*	
		For Clear Lacquer Finish, Add	*216.96*	
		For Baked Enamel Standard Colors, Add	*325.44*	
		For Anodized Finish, Add	*433.92*	
		For Kynar™ Standard Colors Finish, Add	*596.64*	
08 91 19 00-0061	EA	30" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,403.51	118.55
		For Flange Frame, Add	*116.64*	
		For Clear Lacquer Finish, Add	*233.28*	
		For Baked Enamel Standard Colors, Add	*349.92*	
		For Anodized Finish, Add	*466.56*	
		For Kynar™ Standard Colors Finish, Add	*641.52*	
08 91 19 00-0062	EA	36" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	369.69	36.64
		For Flange Frame, Add	*29.64*	
		For Clear Lacquer Finish, Add	*59.28*	
		For Baked Enamel Standard Colors, Add	*88.92*	
		For Anodized Finish, Add	*118.56*	
		For Kynar™ Standard Colors Finish, Add	*163.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0063	EA	36" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	484.84	47.42
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*39.00*	
		For Clear Lacquer Finish, Add	*78.00*	
		For Baked Enamel Standard Colors, Add	*117.00*	
		For Anodized Finish, Add	*156.00*	
		For Kynar™ Standard Colors Finish, Add	*214.50*	
08 91 19 00-0064	EA	36" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	560.18	53.88
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*45.24*	
		For Clear Lacquer Finish, Add	*90.48*	
		For Baked Enamel Standard Colors, Add	*135.72*	
		For Anodized Finish, Add	*180.96*	
		For Kynar™ Standard Colors Finish, Add	*248.82*	
08 91 19 00-0065	EA	36" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	649.31	60.35
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*52.86*	
		For Clear Lacquer Finish, Add	*105.72*	
		For Baked Enamel Standard Colors, Add	*158.58*	
		For Anodized Finish, Add	*211.44*	
		For Kynar™ Standard Colors Finish, Add	*290.73*	
08 91 19 00-0066	EA	36" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	748.45	65.53
		Note: Includes bird screen.		
		For Flange Frame, Add	*61.74*	
		For Clear Lacquer Finish, Add	*123.48*	
		For Baked Enamel Standard Colors, Add	*185.22*	
		For Anodized Finish, Add	*246.96*	
		For Kynar™ Standard Colors Finish, Add	*339.57*	
08 91 19 00-0067	EA	36" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	826.26	71.13
		Note: Includes bird screen.		
		For Flange Frame, Add	*68.40*	
		For Clear Lacquer Finish, Add	*136.80*	
		For Baked Enamel Standard Colors, Add	*205.20*	
		For Anodized Finish, Add	*273.60*	
		For Kynar™ Standard Colors Finish, Add	*376.20*	
08 91 19 00-0068	EA	36" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	893.08	75.44
		Note: Includes bird screen.		
		For Flange Frame, Add	*74.22*	
		For Clear Lacquer Finish, Add	*148.44*	
		For Baked Enamel Standard Colors, Add	*222.66*	
		For Anodized Finish, Add	*296.88*	
		For Kynar™ Standard Colors Finish, Add	*408.21*	
08 91 19 00-0069	EA	36" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	982.82	81.91
		Note: Includes bird screen.		
		For Flange Frame, Add	*81.90*	
		For Clear Lacquer Finish, Add	*163.80*	
		For Baked Enamel Standard Colors, Add	*245.70*	
		For Anodized Finish, Add	*327.60*	
		For Kynar™ Standard Colors Finish, Add	*450.45*	
08 91 19 00-0070	EA	36" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	1,051.55	88.37
		Note: Includes bird screen.		
		For Flange Frame, Add	*87.48*	
		For Clear Lacquer Finish, Add	*174.96*	
		For Baked Enamel Standard Colors, Add	*262.44*	
		For Anodized Finish, Add	*349.92*	
		For Kynar™ Standard Colors Finish, Add	*481.14*	
08 91 19 00-0071	EA	36" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	1,158.69	94.84
		Note: Includes bird screen.		
		For Flange Frame, Add	*96.90*	
		For Clear Lacquer Finish, Add	*193.80*	
		For Baked Enamel Standard Colors, Add	*290.70*	
		For Anodized Finish, Add	*387.60*	
		For Kynar™ Standard Colors Finish, Add	*532.95*	
08 91 19 00-0072	EA	36" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	1,230.42	101.30
		Note: Includes bird screen.		
		For Flange Frame, Add	*102.78*	
		For Clear Lacquer Finish, Add	*205.56*	
		For Baked Enamel Standard Colors, Add	*308.34*	
		For Anodized Finish, Add	*411.12*	
		For Kynar™ Standard Colors Finish, Add	*565.29*	
08 91 19 00-0073	EA	36" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	1,306.83	105.62
		Note: Includes bird screen.		
		For Flange Frame, Add	*109.56*	
		For Clear Lacquer Finish, Add	*219.12*	
		For Baked Enamel Standard Colors, Add	*328.68*	
		For Anodized Finish, Add	*438.24*	
		For Kynar™ Standard Colors Finish, Add	*602.58*	
08 91 19 00-0074	EA	36" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	1,386.26	109.93
		Note: Includes bird screen.		
		For Flange Frame, Add	*116.64*	
		For Clear Lacquer Finish, Add	*233.28*	
		For Baked Enamel Standard Colors, Add	*349.92*	
		For Anodized Finish, Add	*466.56*	
		For Kynar™ Standard Colors Finish, Add	*641.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0075	EA	36" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	1,455.59	116.40
		Note: Includes bird screen.		
		For Flange Frame, Add	*122.28*	
		For Clear Lacquer Finish, Add	*244.56*	
		For Baked Enamel Standard Colors, Add	*366.84*	
		For Anodized Finish, Add	*489.12*	
		For Kynar™ Standard Colors Finish, Add	*672.54*	
08 91 19 00-0076	EA	36" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	1,562.12	122.86
		Note: Includes bird screen.		
		For Flange Frame, Add	*131.64*	
		For Clear Lacquer Finish, Add	*263.28*	
		For Baked Enamel Standard Colors, Add	*394.92*	
		For Anodized Finish, Add	*526.56*	
		For Kynar™ Standard Colors Finish, Add	*724.02*	
08 91 19 00-0077	EA	42" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	429.31	40.95
		Note: Includes bird screen.		
		For Flange Frame, Add	*34.74*	
		For Clear Lacquer Finish, Add	*69.48*	
		For Baked Enamel Standard Colors, Add	*104.22*	
		For Anodized Finish, Add	*138.96*	
		For Kynar™ Standard Colors Finish, Add	*191.07*	
08 91 19 00-0078	EA	42" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	527.07	51.73
		Note: Includes bird screen.		
		For Flange Frame, Add	*42.36*	
		For Clear Lacquer Finish, Add	*84.72*	
		For Baked Enamel Standard Colors, Add	*127.08*	
		For Anodized Finish, Add	*169.44*	
		For Kynar™ Standard Colors Finish, Add	*232.98*	
08 91 19 00-0079	EA	42" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	610.20	58.20
		Note: Includes bird screen.		
		For Flange Frame, Add	*49.38*	
		For Clear Lacquer Finish, Add	*98.76*	
		For Baked Enamel Standard Colors, Add	*148.14*	
		For Anodized Finish, Add	*197.52*	
		For Kynar™ Standard Colors Finish, Add	*271.59*	
08 91 19 00-0080	EA	42" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	713.24	66.82
		Note: Includes bird screen.		
		For Flange Frame, Add	*57.96*	
		For Clear Lacquer Finish, Add	*115.92*	
		For Baked Enamel Standard Colors, Add	*173.88*	
		For Anodized Finish, Add	*231.84*	
		For Kynar™ Standard Colors Finish, Add	*318.78*	
08 91 19 00-0081	EA	42" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	820.26	71.13
		Note: Includes bird screen.		
		For Flange Frame, Add	*67.80*	
		For Clear Lacquer Finish, Add	*135.60*	
		For Baked Enamel Standard Colors, Add	*203.40*	
		For Anodized Finish, Add	*271.20*	
		For Kynar™ Standard Colors Finish, Add	*372.90*	
08 91 19 00-0082	EA	42" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	906.28	75.44
		Note: Includes bird screen.		
		For Flange Frame, Add	*75.54*	
		For Clear Lacquer Finish, Add	*151.08*	
		For Baked Enamel Standard Colors, Add	*226.62*	
		For Anodized Finish, Add	*302.16*	
		For Kynar™ Standard Colors Finish, Add	*415.47*	
08 91 19 00-0083	EA	42" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	980.90	79.76
		Note: Includes bird screen.		
		For Flange Frame, Add	*82.14*	
		For Clear Lacquer Finish, Add	*164.28*	
		For Baked Enamel Standard Colors, Add	*246.42*	
		For Anodized Finish, Add	*328.56*	
		For Kynar™ Standard Colors Finish, Add	*451.77*	
08 91 19 00-0084	EA	42" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	1,070.64	86.22
		Note: Includes bird screen.		
		For Flange Frame, Add	*89.82*	
		For Clear Lacquer Finish, Add	*179.64*	
		For Baked Enamel Standard Colors, Add	*269.46*	
		For Anodized Finish, Add	*359.28*	
		For Kynar™ Standard Colors Finish, Add	*494.01*	
08 91 19 00-0085	EA	42" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	1,147.77	92.69
		Note: Includes bird screen.		
		For Flange Frame, Add	*96.24*	
		For Clear Lacquer Finish, Add	*192.48*	
		For Baked Enamel Standard Colors, Add	*288.72*	
		For Anodized Finish, Add	*384.96*	
		For Kynar™ Standard Colors Finish, Add	*529.32*	
08 91 19 00-0086	EA	42" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	1,266.30	99.15
		Note: Includes bird screen.		
		For Flange Frame, Add	*106.80*	
		For Clear Lacquer Finish, Add	*213.60*	
		For Baked Enamel Standard Colors, Add	*320.40*	
		For Anodized Finish, Add	*427.20*	
		For Kynar™ Standard Colors Finish, Add	*587.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0087	EA	42" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,343.43	105.62
		For Flange Frame, Add	*113.22*	
		For Clear Lacquer Finish, Add	*226.44*	
		For Baked Enamel Standard Colors, Add	*339.66*	
		For Anodized Finish, Add	*452.88*	
		For Kynar™ Standard Colors Finish, Add	*622.71*	
08 91 19 00-0088	EA	42" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,429.46	109.93
		For Flange Frame, Add	*120.96*	
		For Clear Lacquer Finish, Add	*241.92*	
		For Baked Enamel Standard Colors, Add	*362.88*	
		For Anodized Finish, Add	*483.84*	
		For Kynar™ Standard Colors Finish, Add	*665.28*	
08 91 19 00-0089	EA	42" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,516.08	114.24
		For Flange Frame, Add	*128.76*	
		For Clear Lacquer Finish, Add	*257.52*	
		For Baked Enamel Standard Colors, Add	*386.28*	
		For Anodized Finish, Add	*515.04*	
		For Kynar™ Standard Colors Finish, Add	*708.18*	
08 91 19 00-0090	EA	42" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,597.42	120.71
		For Flange Frame, Add	*135.60*	
		For Clear Lacquer Finish, Add	*271.20*	
		For Baked Enamel Standard Colors, Add	*406.80*	
		For Anodized Finish, Add	*542.40*	
		For Kynar™ Standard Colors Finish, Add	*745.80*	
08 91 19 00-0091	EA	42" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,711.75	127.17
		For Flange Frame, Add	*145.74*	
		For Clear Lacquer Finish, Add	*291.48*	
		For Baked Enamel Standard Colors, Add	*437.22*	
		For Anodized Finish, Add	*582.96*	
		For Kynar™ Standard Colors Finish, Add	*801.57*	
08 91 19 00-0092	EA	48" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	469.73	45.27
		For Flange Frame, Add	*37.92*	
		For Clear Lacquer Finish, Add	*75.84*	
		For Baked Enamel Standard Colors, Add	*113.76*	
		For Anodized Finish, Add	*151.68*	
		For Kynar™ Standard Colors Finish, Add	*208.56*	
08 91 19 00-0093	EA	48" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	575.88	56.05
		For Flange Frame, Add	*46.38*	
		For Clear Lacquer Finish, Add	*92.76*	
		For Baked Enamel Standard Colors, Add	*139.14*	
		For Anodized Finish, Add	*185.52*	
		For Kynar™ Standard Colors Finish, Add	*255.09*	
08 91 19 00-0094	EA	48" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	674.13	64.66
		For Flange Frame, Add	*54.48*	
		For Clear Lacquer Finish, Add	*108.96*	
		For Baked Enamel Standard Colors, Add	*163.44*	
		For Anodized Finish, Add	*217.92*	
		For Kynar™ Standard Colors Finish, Add	*299.64*	
08 91 19 00-0095	EA	48" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	774.66	71.13
		For Flange Frame, Add	*63.24*	
		For Clear Lacquer Finish, Add	*126.48*	
		For Baked Enamel Standard Colors, Add	*189.72*	
		For Anodized Finish, Add	*252.96*	
		For Kynar™ Standard Colors Finish, Add	*347.82*	
08 91 19 00-0096	EA	48" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	896.68	75.44
		For Flange Frame, Add	*74.58*	
		For Clear Lacquer Finish, Add	*149.16*	
		For Baked Enamel Standard Colors, Add	*223.74*	
		For Anodized Finish, Add	*298.32*	
		For Kynar™ Standard Colors Finish, Add	*410.19*	
08 91 19 00-0097	EA	48" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	995.90	79.76
		For Flange Frame, Add	*83.64*	
		For Clear Lacquer Finish, Add	*167.28*	
		For Baked Enamel Standard Colors, Add	*250.92*	
		For Anodized Finish, Add	*334.56*	
		For Kynar™ Standard Colors Finish, Add	*460.02*	
08 91 19 00-0098	EA	48" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,079.04	86.22
		For Flange Frame, Add	*90.66*	
		For Clear Lacquer Finish, Add	*181.32*	
		For Baked Enamel Standard Colors, Add	*271.98*	
		For Anodized Finish, Add	*362.64*	
		For Kynar™ Standard Colors Finish, Add	*498.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0099	EA	48" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,208.37	92.69
		For Flange Frame, Add	*102.30*	
		For Clear Lacquer Finish, Add	*204.60*	
		For Baked Enamel Standard Colors, Add	*306.90*	
		For Anodized Finish, Add	*409.20*	
		For Kynar™ Standard Colors Finish, Add	*562.65*	
08 91 19 00-0100	EA	48" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,266.30	99.15
		For Flange Frame, Add	*106.80*	
		For Clear Lacquer Finish, Add	*213.60*	
		For Baked Enamel Standard Colors, Add	*320.40*	
		For Anodized Finish, Add	*427.20*	
		For Kynar™ Standard Colors Finish, Add	*587.40*	
08 91 19 00-0101	EA	48" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,392.63	105.62
		For Flange Frame, Add	*118.14*	
		For Clear Lacquer Finish, Add	*236.28*	
		For Baked Enamel Standard Colors, Add	*354.42*	
		For Anodized Finish, Add	*472.56*	
		For Kynar™ Standard Colors Finish, Add	*649.77*	
08 91 19 00-0102	EA	48" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,481.18	112.08
		For Flange Frame, Add	*125.70*	
		For Clear Lacquer Finish, Add	*251.40*	
		For Baked Enamel Standard Colors, Add	*377.10*	
		For Anodized Finish, Add	*502.80*	
		For Kynar™ Standard Colors Finish, Add	*691.35*	
08 91 19 00-0103	EA	48" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,576.79	116.40
		For Flange Frame, Add	*134.40*	
		For Clear Lacquer Finish, Add	*268.80*	
		For Baked Enamel Standard Colors, Add	*403.20*	
		For Anodized Finish, Add	*537.60*	
		For Kynar™ Standard Colors Finish, Add	*739.20*	
08 91 19 00-0104	EA	48" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,672.42	120.71
		For Flange Frame, Add	*143.10*	
		For Clear Lacquer Finish, Add	*286.20*	
		For Baked Enamel Standard Colors, Add	*429.30*	
		For Anodized Finish, Add	*572.40*	
		For Kynar™ Standard Colors Finish, Add	*787.05*	
08 91 19 00-0105	EA	48" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,752.44	125.02
		For Flange Frame, Add	*150.24*	
		For Clear Lacquer Finish, Add	*300.48*	
		For Baked Enamel Standard Colors, Add	*450.72*	
		For Anodized Finish, Add	*600.96*	
		For Kynar™ Standard Colors Finish, Add	*826.32*	
08 91 19 00-0106	EA	48" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,883.57	131.49
		For Flange Frame, Add	*162.06*	
		For Clear Lacquer Finish, Add	*324.12*	
		For Baked Enamel Standard Colors, Add	*486.18*	
		For Anodized Finish, Add	*648.24*	
		For Kynar™ Standard Colors Finish, Add	*891.33*	
08 91 19 00-0107	EA	54" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	521.07	51.73
		For Flange Frame, Add	*41.76*	
		For Clear Lacquer Finish, Add	*83.52*	
		For Baked Enamel Standard Colors, Add	*125.28*	
		For Anodized Finish, Add	*167.04*	
		For Kynar™ Standard Colors Finish, Add	*229.68*	
08 91 19 00-0108	EA	54" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	639.22	62.51
		For Flange Frame, Add	*51.42*	
		For Clear Lacquer Finish, Add	*102.84*	
		For Baked Enamel Standard Colors, Add	*154.26*	
		For Anodized Finish, Add	*205.68*	
		For Kynar™ Standard Colors Finish, Add	*282.81*	
08 91 19 00-0109	EA	54" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	748.37	73.29
		For Flange Frame, Add	*60.18*	
		For Clear Lacquer Finish, Add	*120.36*	
		For Baked Enamel Standard Colors, Add	*180.54*	
		For Anodized Finish, Add	*240.72*	
		For Kynar™ Standard Colors Finish, Add	*330.99*	
08 91 19 00-0110	EA	54" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	854.80	77.59
		For Flange Frame, Add	*69.96*	
		For Clear Lacquer Finish, Add	*139.92*	
		For Baked Enamel Standard Colors, Add	*209.88*	
		For Anodized Finish, Add	*279.84*	
		For Kynar™ Standard Colors Finish, Add	*384.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0111	EA	54" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,000.22	81.91
		For Flange Frame, Add	*83.64*	
		For Clear Lacquer Finish, Add	*167.28*	
		For Baked Enamel Standard Colors, Add	*250.92*	
		For Anodized Finish, Add	*334.56*	
		For Kynar™ Standard Colors Finish, Add	*460.02*	
08 91 19 00-0112	EA	54" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,101.84	86.22
		For Flange Frame, Add	*92.94*	
		For Clear Lacquer Finish, Add	*185.88*	
		For Baked Enamel Standard Colors, Add	*278.82*	
		For Anodized Finish, Add	*371.76*	
		For Kynar™ Standard Colors Finish, Add	*511.17*	
08 91 19 00-0113	EA	54" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,198.77	92.69
		For Flange Frame, Add	*101.34*	
		For Clear Lacquer Finish, Add	*202.68*	
		For Baked Enamel Standard Colors, Add	*304.02*	
		For Anodized Finish, Add	*405.36*	
		For Kynar™ Standard Colors Finish, Add	*557.37*	
08 91 19 00-0114	EA	54" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,339.50	99.15
		For Flange Frame, Add	*114.12*	
		For Clear Lacquer Finish, Add	*228.24*	
		For Baked Enamel Standard Colors, Add	*342.36*	
		For Anodized Finish, Add	*456.48*	
		For Kynar™ Standard Colors Finish, Add	*627.66*	
08 91 19 00-0115	EA	54" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,439.43	105.62
		For Flange Frame, Add	*122.82*	
		For Clear Lacquer Finish, Add	*245.64*	
		For Baked Enamel Standard Colors, Add	*368.46*	
		For Anodized Finish, Add	*491.28*	
		For Kynar™ Standard Colors Finish, Add	*675.51*	
08 91 19 00-0116	EA	54" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,586.78	112.08
		For Flange Frame, Add	*136.26*	
		For Clear Lacquer Finish, Add	*272.52*	
		For Baked Enamel Standard Colors, Add	*408.78*	
		For Anodized Finish, Add	*545.04*	
		For Kynar™ Standard Colors Finish, Add	*749.43*	
08 91 19 00-0117	EA	54" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,681.79	116.40
		For Flange Frame, Add	*144.90*	
		For Clear Lacquer Finish, Add	*289.80*	
		For Baked Enamel Standard Colors, Add	*434.70*	
		For Anodized Finish, Add	*579.60*	
		For Kynar™ Standard Colors Finish, Add	*796.95*	
08 91 19 00-0118	EA	54" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,790.02	120.71
		For Flange Frame, Add	*154.86*	
		For Clear Lacquer Finish, Add	*309.72*	
		For Baked Enamel Standard Colors, Add	*464.58*	
		For Anodized Finish, Add	*619.44*	
		For Kynar™ Standard Colors Finish, Add	*851.73*	
08 91 19 00-0119	EA	54" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,894.04	125.02
		For Flange Frame, Add	*164.40*	
		For Clear Lacquer Finish, Add	*328.80*	
		For Baked Enamel Standard Colors, Add	*493.20*	
		For Anodized Finish, Add	*657.60*	
		For Kynar™ Standard Colors Finish, Add	*904.20*	
08 91 19 00-0120	EA	54" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,980.66	129.33
		For Flange Frame, Add	*172.20*	
		For Clear Lacquer Finish, Add	*344.40*	
		For Baked Enamel Standard Colors, Add	*516.60*	
		For Anodized Finish, Add	*688.80*	
		For Kynar™ Standard Colors Finish, Add	*947.10*	
08 91 19 00-0121	EA	54" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,132.79	135.79
		For Flange Frame, Add	*186.12*	
		For Clear Lacquer Finish, Add	*372.24*	
		For Baked Enamel Standard Colors, Add	*558.36*	
		For Anodized Finish, Add	*744.48*	
		For Kynar™ Standard Colors Finish, Add	*1,023.66*	
08 91 19 00-0122	EA	60" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	560.28	56.05
		For Flange Frame, Add	*44.82*	
		For Clear Lacquer Finish, Add	*89.64*	
		For Baked Enamel Standard Colors, Add	*134.46*	
		For Anodized Finish, Add	*179.28*	
		For Kynar™ Standard Colors Finish, Add	*246.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0123	EA	60" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	691.15	68.98
		Note: Includes bird screen.		
		For Flange Frame, Add	*55.32*	
		For Clear Lacquer Finish, Add	*110.64*	
		For Baked Enamel Standard Colors, Add	*165.96*	
		For Anodized Finish, Add	*221.28*	
		For Kynar™ Standard Colors Finish, Add	*304.26*	
08 91 19 00-0124	EA	60" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	802.00	77.59
		Note: Includes bird screen.		
		For Flange Frame, Add	*64.68*	
		For Clear Lacquer Finish, Add	*129.36*	
		For Baked Enamel Standard Colors, Add	*194.04*	
		For Anodized Finish, Add	*258.72*	
		For Kynar™ Standard Colors Finish, Add	*355.74*	
08 91 19 00-0125	EA	60" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	924.62	81.91
		Note: Includes bird screen.		
		For Flange Frame, Add	*76.08*	
		For Clear Lacquer Finish, Add	*152.16*	
		For Baked Enamel Standard Colors, Add	*228.24*	
		For Anodized Finish, Add	*304.32*	
		For Kynar™ Standard Colors Finish, Add	*418.44*	
08 91 19 00-0126	EA	60" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,077.35	88.37
		Note: Includes bird screen.		
		For Flange Frame, Add	*90.06*	
		For Clear Lacquer Finish, Add	*180.12*	
		For Baked Enamel Standard Colors, Add	*270.18*	
		For Anodized Finish, Add	*360.24*	
		For Kynar™ Standard Colors Finish, Add	*495.33*	
08 91 19 00-0127	EA	60" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,190.97	92.69
		Note: Includes bird screen.		
		For Flange Frame, Add	*100.56*	
		For Clear Lacquer Finish, Add	*201.12*	
		For Baked Enamel Standard Colors, Add	*301.68*	
		For Anodized Finish, Add	*402.24*	
		For Kynar™ Standard Colors Finish, Add	*553.08*	
08 91 19 00-0128	EA	60" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	1,292.10	99.15
		Note: Includes bird screen.		
		For Flange Frame, Add	*109.38*	
		For Clear Lacquer Finish, Add	*218.76*	
		For Baked Enamel Standard Colors, Add	*328.14*	
		For Anodized Finish, Add	*437.52*	
		For Kynar™ Standard Colors Finish, Add	*601.59*	
08 91 19 00-0129	EA	60" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	1,442.43	105.62
		Note: Includes bird screen.		
		For Flange Frame, Add	*123.12*	
		For Clear Lacquer Finish, Add	*246.24*	
		For Baked Enamel Standard Colors, Add	*369.36*	
		For Anodized Finish, Add	*492.48*	
		For Kynar™ Standard Colors Finish, Add	*677.16*	
08 91 19 00-0130	EA	60" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	1,549.58	112.08
		Note: Includes bird screen.		
		For Flange Frame, Add	*132.54*	
		For Clear Lacquer Finish, Add	*265.08*	
		For Baked Enamel Standard Colors, Add	*397.62*	
		For Anodized Finish, Add	*530.16*	
		For Kynar™ Standard Colors Finish, Add	*728.97*	
08 91 19 00-0131	EA	60" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	1,708.91	118.55
		Note: Includes bird screen.		
		For Flange Frame, Add	*147.18*	
		For Clear Lacquer Finish, Add	*294.36*	
		For Baked Enamel Standard Colors, Add	*441.54*	
		For Anodized Finish, Add	*588.72*	
		For Kynar™ Standard Colors Finish, Add	*809.49*	
08 91 19 00-0132	EA	60" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	1,809.92	122.86
		Note: Includes bird screen.		
		For Flange Frame, Add	*156.42*	
		For Clear Lacquer Finish, Add	*312.84*	
		For Baked Enamel Standard Colors, Add	*469.26*	
		For Anodized Finish, Add	*625.68*	
		For Kynar™ Standard Colors Finish, Add	*860.31*	
08 91 19 00-0133	EA	60" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	1,924.75	127.17
		Note: Includes bird screen.		
		For Flange Frame, Add	*167.04*	
		For Clear Lacquer Finish, Add	*334.08*	
		For Baked Enamel Standard Colors, Add	*501.12*	
		For Anodized Finish, Add	*668.16*	
		For Kynar™ Standard Colors Finish, Add	*918.72*	
08 91 19 00-0134	EA	60" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	2,037.17	131.49
		Note: Includes bird screen.		
		For Flange Frame, Add	*177.42*	
		For Clear Lacquer Finish, Add	*354.84*	
		For Baked Enamel Standard Colors, Add	*532.26*	
		For Anodized Finish, Add	*709.68*	
		For Kynar™ Standard Colors Finish, Add	*975.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0135	EA	60" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	2,132.79	135.79
		Note: Includes bird screen.		
		For Flange Frame, Add	*186.12*	
		For Clear Lacquer Finish, Add	*372.24*	
		For Baked Enamel Standard Colors, Add	*558.36*	
		For Anodized Finish, Add	*744.48*	
		For Kynar™ Standard Colors Finish, Add	*1,023.66*	
08 91 19 00-0136	EA	60" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	2,290.81	140.11
		Note: Includes bird screen.		
		For Flange Frame, Add	*201.06*	
		For Clear Lacquer Finish, Add	*402.12*	
		For Baked Enamel Standard Colors, Add	*603.18*	
		For Anodized Finish, Add	*804.24*	
		For Kynar™ Standard Colors Finish, Add	*1,105.83*	
08 91 19 00-0137	EA	66" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	643.91	60.35
		Note: Includes bird screen.		
		For Flange Frame, Add	*52.32*	
		For Clear Lacquer Finish, Add	*104.64*	
		For Baked Enamel Standard Colors, Add	*156.96*	
		For Anodized Finish, Add	*209.28*	
		For Kynar™ Standard Colors Finish, Add	*287.76*	
08 91 19 00-0138	EA	66" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	795.77	73.29
		Note: Includes bird screen.		
		For Flange Frame, Add	*64.92*	
		For Clear Lacquer Finish, Add	*129.84*	
		For Baked Enamel Standard Colors, Add	*194.76*	
		For Anodized Finish, Add	*259.68*	
		For Kynar™ Standard Colors Finish, Add	*357.06*	
08 91 19 00-0139	EA	66" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	927.84	86.22
		Note: Includes bird screen.		
		For Flange Frame, Add	*75.54*	
		For Clear Lacquer Finish, Add	*151.08*	
		For Baked Enamel Standard Colors, Add	*226.62*	
		For Anodized Finish, Add	*302.16*	
		For Kynar™ Standard Colors Finish, Add	*415.47*	
08 91 19 00-0140	EA	66" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,061.26	90.53
		Note: Includes bird screen.		
		For Flange Frame, Add	*88.02*	
		For Clear Lacquer Finish, Add	*176.04*	
		For Baked Enamel Standard Colors, Add	*264.06*	
		For Anodized Finish, Add	*352.08*	
		For Kynar™ Standard Colors Finish, Add	*484.11*	
08 91 19 00-0141	EA	66" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,237.89	94.84
		Note: Includes bird screen.		
		For Flange Frame, Add	*104.82*	
		For Clear Lacquer Finish, Add	*209.64*	
		For Baked Enamel Standard Colors, Add	*314.46*	
		For Anodized Finish, Add	*419.28*	
		For Kynar™ Standard Colors Finish, Add	*576.51*	
08 91 19 00-0142	EA	66" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,361.70	99.15
		Note: Includes bird screen.		
		For Flange Frame, Add	*116.34*	
		For Clear Lacquer Finish, Add	*232.68*	
		For Baked Enamel Standard Colors, Add	*349.02*	
		For Anodized Finish, Add	*465.36*	
		For Kynar™ Standard Colors Finish, Add	*639.87*	
08 91 19 00-0143	EA	66" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	1,482.03	105.62
		Note: Includes bird screen.		
		For Flange Frame, Add	*127.08*	
		For Clear Lacquer Finish, Add	*254.16*	
		For Baked Enamel Standard Colors, Add	*381.24*	
		For Anodized Finish, Add	*508.32*	
		For Kynar™ Standard Colors Finish, Add	*698.94*	
08 91 19 00-0144	EA	66" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	1,622.78	112.08
		Note: Includes bird screen.		
		For Flange Frame, Add	*139.86*	
		For Clear Lacquer Finish, Add	*279.72*	
		For Baked Enamel Standard Colors, Add	*419.58*	
		For Anodized Finish, Add	*559.44*	
		For Kynar™ Standard Colors Finish, Add	*769.23*	
08 91 19 00-0145	EA	66" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	1,742.51	118.55
		Note: Includes bird screen.		
		For Flange Frame, Add	*150.54*	
		For Clear Lacquer Finish, Add	*301.08*	
		For Baked Enamel Standard Colors, Add	*451.62*	
		For Anodized Finish, Add	*602.16*	
		For Kynar™ Standard Colors Finish, Add	*827.97*	
08 91 19 00-0146	EA	66" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	1,925.95	127.17
		Note: Includes bird screen.		
		For Flange Frame, Add	*167.16*	
		For Clear Lacquer Finish, Add	*334.32*	
		For Baked Enamel Standard Colors, Add	*501.48*	
		For Anodized Finish, Add	*668.64*	
		For Kynar™ Standard Colors Finish, Add	*919.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0147	EA	66" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	2,041.48	133.64
		Note: Includes bird screen.		
		For Flange Frame, Add	*177.42*	
		For Clear Lacquer Finish, Add	*354.84*	
		For Baked Enamel Standard Colors, Add	*532.26*	
		For Anodized Finish, Add	*709.68*	
		For Kynar™ Standard Colors Finish, Add	*975.81*	
08 91 19 00-0148	EA	66" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	2,162.90	137.95
		Note: Includes bird screen.		
		For Flange Frame, Add	*188.70*	
		For Clear Lacquer Finish, Add	*377.40*	
		For Baked Enamel Standard Colors, Add	*566.10*	
		For Anodized Finish, Add	*754.80*	
		For Kynar™ Standard Colors Finish, Add	*1,037.85*	
08 91 19 00-0149	EA	66" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	2,286.73	142.26
		Note: Includes bird screen.		
		For Flange Frame, Add	*200.22*	
		For Clear Lacquer Finish, Add	*400.44*	
		For Baked Enamel Standard Colors, Add	*600.66*	
		For Anodized Finish, Add	*800.88*	
		For Kynar™ Standard Colors Finish, Add	*1,101.21*	
08 91 19 00-0150	EA	66" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	2,394.34	146.57
		Note: Includes bird screen.		
		For Flange Frame, Add	*210.12*	
		For Clear Lacquer Finish, Add	*420.24*	
		For Baked Enamel Standard Colors, Add	*630.36*	
		For Anodized Finish, Add	*840.48*	
		For Kynar™ Standard Colors Finish, Add	*1,155.66*	
08 91 19 00-0151	EA	66" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	2,570.37	150.88
		Note: Includes bird screen.		
		For Flange Frame, Add	*226.86*	
		For Clear Lacquer Finish, Add	*453.72*	
		For Baked Enamel Standard Colors, Add	*680.58*	
		For Anodized Finish, Add	*907.44*	
		For Kynar™ Standard Colors Finish, Add	*1,247.73*	
08 91 19 00-0152	EA	72" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	680.13	64.66
		Note: Includes bird screen.		
		For Flange Frame, Add	*55.08*	
		For Clear Lacquer Finish, Add	*110.16*	
		For Baked Enamel Standard Colors, Add	*165.24*	
		For Anodized Finish, Add	*220.32*	
		For Kynar™ Standard Colors Finish, Add	*302.94*	
08 91 19 00-0153	EA	72" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	839.20	77.59
		Note: Includes bird screen.		
		For Flange Frame, Add	*68.40*	
		For Clear Lacquer Finish, Add	*136.80*	
		For Baked Enamel Standard Colors, Add	*205.20*	
		For Anodized Finish, Add	*273.60*	
		For Kynar™ Standard Colors Finish, Add	*376.20*	
08 91 19 00-0154	EA	72" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	977.86	90.53
		Note: Includes bird screen.		
		For Flange Frame, Add	*79.68*	
		For Clear Lacquer Finish, Add	*159.36*	
		For Baked Enamel Standard Colors, Add	*239.04*	
		For Anodized Finish, Add	*318.72*	
		For Kynar™ Standard Colors Finish, Add	*438.24*	
08 91 19 00-0155	EA	72" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,123.39	97.00
		Note: Includes bird screen.		
		For Flange Frame, Add	*92.94*	
		For Clear Lacquer Finish, Add	*185.88*	
		For Baked Enamel Standard Colors, Add	*278.82*	
		For Anodized Finish, Add	*371.76*	
		For Kynar™ Standard Colors Finish, Add	*511.17*	
08 91 19 00-0156	EA	72" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,312.62	101.30
		Note: Includes bird screen.		
		For Flange Frame, Add	*111.00*	
		For Clear Lacquer Finish, Add	*222.00*	
		For Baked Enamel Standard Colors, Add	*333.00*	
		For Anodized Finish, Add	*444.00*	
		For Kynar™ Standard Colors Finish, Add	*610.50*	
08 91 19 00-0157	EA	72" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,443.03	105.62
		Note: Includes bird screen.		
		For Flange Frame, Add	*123.18*	
		For Clear Lacquer Finish, Add	*246.36*	
		For Baked Enamel Standard Colors, Add	*369.54*	
		For Anodized Finish, Add	*492.72*	
		For Kynar™ Standard Colors Finish, Add	*677.49*	
08 91 19 00-0158	EA	72" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	1,571.18	112.08
		Note: Includes bird screen.		
		For Flange Frame, Add	*134.70*	
		For Clear Lacquer Finish, Add	*269.40*	
		For Baked Enamel Standard Colors, Add	*404.10*	
		For Anodized Finish, Add	*538.80*	
		For Kynar™ Standard Colors Finish, Add	*740.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0159	EA	72" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	1,715.39	116.40
		Note: Includes bird screen.		
		For Flange Frame, Add	*148.26*	
		For Clear Lacquer Finish, Add	*296.52*	
		For Baked Enamel Standard Colors, Add	*444.78*	
		For Anodized Finish, Add	*593.04*	
		For Kynar™ Standard Colors Finish, Add	*815.43*	
08 91 19 00-0160	EA	72" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	1,840.52	122.86
		Note: Includes bird screen.		
		For Flange Frame, Add	*159.48*	
		For Clear Lacquer Finish, Add	*318.96*	
		For Baked Enamel Standard Colors, Add	*478.44*	
		For Anodized Finish, Add	*637.92*	
		For Kynar™ Standard Colors Finish, Add	*877.14*	
08 91 19 00-0161	EA	72" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	2,041.48	133.64
		Note: Includes bird screen.		
		For Flange Frame, Add	*177.42*	
		For Clear Lacquer Finish, Add	*354.84*	
		For Baked Enamel Standard Colors, Add	*532.26*	
		For Anodized Finish, Add	*709.68*	
		For Kynar™ Standard Colors Finish, Add	*975.81*	
08 91 19 00-0162	EA	72" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	2,168.41	140.11
		Note: Includes bird screen.		
		For Flange Frame, Add	*188.82*	
		For Clear Lacquer Finish, Add	*377.64*	
		For Baked Enamel Standard Colors, Add	*566.46*	
		For Anodized Finish, Add	*755.28*	
		For Kynar™ Standard Colors Finish, Add	*1,038.51*	
08 91 19 00-0163	EA	72" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	2,293.44	144.42
		Note: Includes bird screen.		
		For Flange Frame, Add	*200.46*	
		For Clear Lacquer Finish, Add	*400.92*	
		For Baked Enamel Standard Colors, Add	*601.38*	
		For Anodized Finish, Add	*801.84*	
		For Kynar™ Standard Colors Finish, Add	*1,102.53*	
08 91 19 00-0164	EA	72" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	2,420.26	148.73
		Note: Includes bird screen.		
		For Flange Frame, Add	*212.28*	
		For Clear Lacquer Finish, Add	*424.56*	
		For Baked Enamel Standard Colors, Add	*636.84*	
		For Anodized Finish, Add	*849.12*	
		For Kynar™ Standard Colors Finish, Add	*1,167.54*	
08 91 19 00-0165	EA	72" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	2,539.28	153.04
		Note: Includes bird screen.		
		For Flange Frame, Add	*223.32*	
		For Clear Lacquer Finish, Add	*446.64*	
		For Baked Enamel Standard Colors, Add	*669.96*	
		For Anodized Finish, Add	*893.28*	
		For Kynar™ Standard Colors Finish, Add	*1,228.26*	
08 91 19 00-0166	EA	72" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	2,726.70	157.35
		Note: Includes bird screen.		
		For Flange Frame, Add	*241.20*	
		For Clear Lacquer Finish, Add	*482.40*	
		For Baked Enamel Standard Colors, Add	*723.60*	
		For Anodized Finish, Add	*964.80*	
		For Kynar™ Standard Colors Finish, Add	*1,326.60*	
08 91 19 00-0167	EA	78" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	723.55	68.98
		Note: Includes bird screen.		
		For Flange Frame, Add	*58.56*	
		For Clear Lacquer Finish, Add	*117.12*	
		For Baked Enamel Standard Colors, Add	*175.68*	
		For Anodized Finish, Add	*234.24*	
		For Kynar™ Standard Colors Finish, Add	*322.08*	
08 91 19 00-0168	EA	78" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	886.82	81.91
		Note: Includes bird screen.		
		For Flange Frame, Add	*72.30*	
		For Clear Lacquer Finish, Add	*144.60*	
		For Baked Enamel Standard Colors, Add	*216.90*	
		For Anodized Finish, Add	*289.20*	
		For Kynar™ Standard Colors Finish, Add	*397.65*	
08 91 19 00-0169	EA	78" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,028.49	94.84
		Note: Includes bird screen.		
		For Flange Frame, Add	*83.88*	
		For Clear Lacquer Finish, Add	*167.76*	
		For Baked Enamel Standard Colors, Add	*251.64*	
		For Anodized Finish, Add	*335.52*	
		For Kynar™ Standard Colors Finish, Add	*461.34*	
08 91 19 00-0170	EA	78" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,183.62	101.30
		Note: Includes bird screen.		
		For Flange Frame, Add	*98.10*	
		For Clear Lacquer Finish, Add	*196.20*	
		For Baked Enamel Standard Colors, Add	*294.30*	
		For Anodized Finish, Add	*392.40*	
		For Kynar™ Standard Colors Finish, Add	*539.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0171	EA	78" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,383.63	105.62
		Note: Includes bird screen.		
		For Flange Frame, Add	*117.24*	
		For Clear Lacquer Finish, Add	*234.48*	
		For Baked Enamel Standard Colors, Add	*351.72*	
		For Anodized Finish, Add	*468.96*	
		For Kynar™ Standard Colors Finish, Add	*644.82*	
08 91 19 00-0172	EA	78" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,519.46	109.93
		Note: Includes bird screen.		
		For Flange Frame, Add	*129.96*	
		For Clear Lacquer Finish, Add	*259.92*	
		For Baked Enamel Standard Colors, Add	*389.88*	
		For Anodized Finish, Add	*519.84*	
		For Kynar™ Standard Colors Finish, Add	*714.78*	
08 91 19 00-0173	EA	78" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	1,656.59	116.40
		Note: Includes bird screen.		
		For Flange Frame, Add	*142.38*	
		For Clear Lacquer Finish, Add	*284.76*	
		For Baked Enamel Standard Colors, Add	*427.14*	
		For Anodized Finish, Add	*569.52*	
		For Kynar™ Standard Colors Finish, Add	*783.09*	
08 91 19 00-0174	EA	78" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	1,809.22	120.71
		Note: Includes bird screen.		
		For Flange Frame, Add	*156.78*	
		For Clear Lacquer Finish, Add	*313.56*	
		For Baked Enamel Standard Colors, Add	*470.34*	
		For Anodized Finish, Add	*627.12*	
		For Kynar™ Standard Colors Finish, Add	*862.29*	
08 91 19 00-0175	EA	78" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	1,943.35	127.17
		Note: Includes bird screen.		
		For Flange Frame, Add	*168.90*	
		For Clear Lacquer Finish, Add	*337.80*	
		For Baked Enamel Standard Colors, Add	*506.70*	
		For Anodized Finish, Add	*675.60*	
		For Kynar™ Standard Colors Finish, Add	*928.95*	
08 91 19 00-0176	EA	78" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	2,156.90	137.95
		Note: Includes bird screen.		
		For Flange Frame, Add	*188.10*	
		For Clear Lacquer Finish, Add	*376.20*	
		For Baked Enamel Standard Colors, Add	*564.30*	
		For Anodized Finish, Add	*752.40*	
		For Kynar™ Standard Colors Finish, Add	*1,034.55*	
08 91 19 00-0177	EA	78" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	2,289.84	144.42
		Note: Includes bird screen.		
		For Flange Frame, Add	*200.10*	
		For Clear Lacquer Finish, Add	*400.20*	
		For Baked Enamel Standard Colors, Add	*600.30*	
		For Anodized Finish, Add	*800.40*	
		For Kynar™ Standard Colors Finish, Add	*1,100.55*	
08 91 19 00-0178	EA	78" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	2,428.77	150.88
		Note: Includes bird screen.		
		For Flange Frame, Add	*212.70*	
		For Clear Lacquer Finish, Add	*425.40*	
		For Baked Enamel Standard Colors, Add	*638.10*	
		For Anodized Finish, Add	*850.80*	
		For Kynar™ Standard Colors Finish, Add	*1,169.85*	
08 91 19 00-0179	EA	78" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	2,555.59	155.20
		Note: Includes bird screen.		
		For Flange Frame, Add	*224.52*	
		For Clear Lacquer Finish, Add	*449.04*	
		For Baked Enamel Standard Colors, Add	*673.56*	
		For Anodized Finish, Add	*898.08*	
		For Kynar™ Standard Colors Finish, Add	*1,234.86*	
08 91 19 00-0180	EA	78" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	2,682.41	159.50
		Note: Includes bird screen.		
		For Flange Frame, Add	*236.34*	
		For Clear Lacquer Finish, Add	*472.68*	
		For Baked Enamel Standard Colors, Add	*709.02*	
		For Anodized Finish, Add	*945.36*	
		For Kynar™ Standard Colors Finish, Add	*1,299.87*	
08 91 19 00-0181	EA	78" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	2,881.83	163.82
		Note: Includes bird screen.		
		For Flange Frame, Add	*255.42*	
		For Clear Lacquer Finish, Add	*510.84*	
		For Baked Enamel Standard Colors, Add	*766.26*	
		For Anodized Finish, Add	*1,021.68*	
		For Kynar™ Standard Colors Finish, Add	*1,404.81*	
08 91 19 00-0182	EA	84" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	759.17	73.29
		Note: Includes bird screen.		
		For Flange Frame, Add	*61.26*	
		For Clear Lacquer Finish, Add	*122.52*	
		For Baked Enamel Standard Colors, Add	*183.78*	
		For Anodized Finish, Add	*245.04*	
		For Kynar™ Standard Colors Finish, Add	*336.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0183	EA	84" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	929.04	86.22
		Note: Includes bird screen.		
		For Flange Frame, Add	*75.66*	
		For Clear Lacquer Finish, Add	*151.32*	
		For Baked Enamel Standard Colors, Add	*226.98*	
		For Anodized Finish, Add	*302.64*	
		For Kynar™ Standard Colors Finish, Add	*416.13*	
08 91 19 00-0184	EA	84" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,085.10	99.15
		Note: Includes bird screen.		
		For Flange Frame, Add	*88.68*	
		For Clear Lacquer Finish, Add	*177.36*	
		For Baked Enamel Standard Colors, Add	*266.04*	
		For Anodized Finish, Add	*354.72*	
		For Kynar™ Standard Colors Finish, Add	*487.74*	
08 91 19 00-0185	EA	84" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,245.03	105.62
		Note: Includes bird screen.		
		For Flange Frame, Add	*103.38*	
		For Clear Lacquer Finish, Add	*206.76*	
		For Baked Enamel Standard Colors, Add	*310.14*	
		For Anodized Finish, Add	*413.52*	
		For Kynar™ Standard Colors Finish, Add	*568.59*	
08 91 19 00-0186	EA	84" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,457.66	109.93
		Note: Includes bird screen.		
		For Flange Frame, Add	*123.78*	
		For Clear Lacquer Finish, Add	*247.56*	
		For Baked Enamel Standard Colors, Add	*371.34*	
		For Anodized Finish, Add	*495.12*	
		For Kynar™ Standard Colors Finish, Add	*680.79*	
08 91 19 00-0187	EA	84" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,601.28	114.24
		Note: Includes bird screen.		
		For Flange Frame, Add	*137.28*	
		For Clear Lacquer Finish, Add	*274.56*	
		For Baked Enamel Standard Colors, Add	*411.84*	
		For Anodized Finish, Add	*549.12*	
		For Kynar™ Standard Colors Finish, Add	*755.04*	
08 91 19 00-0188	EA	84" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	1,741.42	120.71
		Note: Includes bird screen.		
		For Flange Frame, Add	*150.00*	
		For Clear Lacquer Finish, Add	*300.00*	
		For Baked Enamel Standard Colors, Add	*450.00*	
		For Anodized Finish, Add	*600.00*	
		For Kynar™ Standard Colors Finish, Add	*825.00*	
08 91 19 00-0189	EA	84" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	1,906.04	125.02
		Note: Includes bird screen.		
		For Flange Frame, Add	*165.60*	
		For Clear Lacquer Finish, Add	*331.20*	
		For Baked Enamel Standard Colors, Add	*496.80*	
		For Anodized Finish, Add	*662.40*	
		For Kynar™ Standard Colors Finish, Add	*910.80*	
08 91 19 00-0190	EA	84" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	2,046.77	131.49
		Note: Includes bird screen.		
		For Flange Frame, Add	*178.38*	
		For Clear Lacquer Finish, Add	*356.76*	
		For Baked Enamel Standard Colors, Add	*535.14*	
		For Anodized Finish, Add	*713.52*	
		For Kynar™ Standard Colors Finish, Add	*981.09*	
08 91 19 00-0191	EA	84" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	2,272.93	142.26
		Note: Includes bird screen.		
		For Flange Frame, Add	*198.84*	
		For Clear Lacquer Finish, Add	*397.68*	
		For Baked Enamel Standard Colors, Add	*596.52*	
		For Anodized Finish, Add	*795.36*	
		For Kynar™ Standard Colors Finish, Add	*1,093.62*	
08 91 19 00-0192	EA	84" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	2,410.66	148.73
		Note: Includes bird screen.		
		For Flange Frame, Add	*211.32*	
		For Clear Lacquer Finish, Add	*422.64*	
		For Baked Enamel Standard Colors, Add	*633.96*	
		For Anodized Finish, Add	*845.28*	
		For Kynar™ Standard Colors Finish, Add	*1,162.26*	
08 91 19 00-0193	EA	84" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	2,561.59	155.20
		Note: Includes bird screen.		
		For Flange Frame, Add	*225.12*	
		For Clear Lacquer Finish, Add	*450.24*	
		For Baked Enamel Standard Colors, Add	*675.36*	
		For Anodized Finish, Add	*900.48*	
		For Kynar™ Standard Colors Finish, Add	*1,238.16*	
08 91 19 00-0194	EA	84" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	2,722.01	159.50
		Note: Includes bird screen.		
		For Flange Frame, Add	*240.30*	
		For Clear Lacquer Finish, Add	*480.60*	
		For Baked Enamel Standard Colors, Add	*720.90*	
		For Anodized Finish, Add	*961.20*	
		For Kynar™ Standard Colors Finish, Add	*1,321.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0195	EA	84" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	2,866.83	163.82
		Note: Includes bird screen.		
		For Flange Frame, Add	*253.92*	
		For Clear Lacquer Finish, Add	*507.84*	
		For Baked Enamel Standard Colors, Add	*761.76*	
		For Anodized Finish, Add	*1,015.68*	
		For Kynar™ Standard Colors Finish, Add	*1,396.56*	
08 91 19 00-0196	EA	84" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	3,081.26	168.13
		Note: Includes bird screen.		
		For Flange Frame, Add	*274.50*	
		For Clear Lacquer Finish, Add	*549.00*	
		For Baked Enamel Standard Colors, Add	*823.50*	
		For Anodized Finish, Add	*1,098.00*	
		For Kynar™ Standard Colors Finish, Add	*1,509.75*	
08 91 19 00-0197	EA	90" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	806.30	79.76
		Note: Includes bird screen.		
		For Flange Frame, Add	*64.68*	
		For Clear Lacquer Finish, Add	*129.36*	
		For Baked Enamel Standard Colors, Add	*194.04*	
		For Anodized Finish, Add	*258.72*	
		For Kynar™ Standard Colors Finish, Add	*355.74*	
08 91 19 00-0198	EA	90" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	978.57	92.69
		Note: Includes bird screen.		
		For Flange Frame, Add	*79.32*	
		For Clear Lacquer Finish, Add	*158.64*	
		For Baked Enamel Standard Colors, Add	*237.96*	
		For Anodized Finish, Add	*317.28*	
		For Kynar™ Standard Colors Finish, Add	*436.26*	
08 91 19 00-0199	EA	90" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,140.63	105.62
		Note: Includes bird screen.		
		For Flange Frame, Add	*92.94*	
		For Clear Lacquer Finish, Add	*185.88*	
		For Baked Enamel Standard Colors, Add	*278.82*	
		For Anodized Finish, Add	*371.76*	
		For Kynar™ Standard Colors Finish, Add	*511.17*	
08 91 19 00-0200	EA	90" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,305.38	112.08
		Note: Includes bird screen.		
		For Flange Frame, Add	*108.12*	
		For Clear Lacquer Finish, Add	*216.24*	
		For Baked Enamel Standard Colors, Add	*324.36*	
		For Anodized Finish, Add	*432.48*	
		For Kynar™ Standard Colors Finish, Add	*594.66*	
08 91 19 00-0201	EA	90" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,532.39	116.40
		Note: Includes bird screen.		
		For Flange Frame, Add	*129.96*	
		For Clear Lacquer Finish, Add	*259.92*	
		For Baked Enamel Standard Colors, Add	*389.88*	
		For Anodized Finish, Add	*519.84*	
		For Kynar™ Standard Colors Finish, Add	*714.78*	
08 91 19 00-0202	EA	90" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,680.82	120.71
		Note: Includes bird screen.		
		For Flange Frame, Add	*143.94*	
		For Clear Lacquer Finish, Add	*287.88*	
		For Baked Enamel Standard Colors, Add	*431.82*	
		For Anodized Finish, Add	*575.76*	
		For Kynar™ Standard Colors Finish, Add	*791.67*	
08 91 19 00-0203	EA	90" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	1,822.64	125.02
		Note: Includes bird screen.		
		For Flange Frame, Add	*157.26*	
		For Clear Lacquer Finish, Add	*314.52*	
		For Baked Enamel Standard Colors, Add	*471.78*	
		For Anodized Finish, Add	*629.04*	
		For Kynar™ Standard Colors Finish, Add	*864.93*	
08 91 19 00-0204	EA	90" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	1,996.26	129.33
		Note: Includes bird screen.		
		For Flange Frame, Add	*173.76*	
		For Clear Lacquer Finish, Add	*347.52*	
		For Baked Enamel Standard Colors, Add	*521.28*	
		For Anodized Finish, Add	*695.04*	
		For Kynar™ Standard Colors Finish, Add	*955.68*	
08 91 19 00-0205	EA	90" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	2,144.19	135.79
		Note: Includes bird screen.		
		For Flange Frame, Add	*187.26*	
		For Clear Lacquer Finish, Add	*374.52*	
		For Baked Enamel Standard Colors, Add	*561.78*	
		For Anodized Finish, Add	*749.04*	
		For Kynar™ Standard Colors Finish, Add	*1,029.93*	
08 91 19 00-0206	EA	90" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	2,382.94	146.57
		Note: Includes bird screen.		
		For Flange Frame, Add	*208.98*	
		For Clear Lacquer Finish, Add	*417.96*	
		For Baked Enamel Standard Colors, Add	*626.94*	
		For Anodized Finish, Add	*835.92*	
		For Kynar™ Standard Colors Finish, Add	*1,149.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0207	EA	90" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	2,526.68	153.04
		Note: Includes bird screen.		
		For Flange Frame, Add	*222.06*	
		For Clear Lacquer Finish, Add	*444.12*	
		For Baked Enamel Standard Colors, Add	*666.18*	
		For Anodized Finish, Add	*888.24*	
		For Kynar™ Standard Colors Finish, Add	*1,221.33*	
08 91 19 00-0208	EA	90" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	2,690.81	159.50
		Note: Includes bird screen.		
		For Flange Frame, Add	*237.18*	
		For Clear Lacquer Finish, Add	*474.36*	
		For Baked Enamel Standard Colors, Add	*711.54*	
		For Anodized Finish, Add	*948.72*	
		For Kynar™ Standard Colors Finish, Add	*1,304.49*	
08 91 19 00-0209	EA	90" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	2,860.83	163.82
		Note: Includes bird screen.		
		For Flange Frame, Add	*253.32*	
		For Clear Lacquer Finish, Add	*506.64*	
		For Baked Enamel Standard Colors, Add	*759.96*	
		For Anodized Finish, Add	*1,013.28*	
		For Kynar™ Standard Colors Finish, Add	*1,393.26*	
08 91 19 00-0210	EA	90" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	3,006.37	170.28
		Note: Includes bird screen.		
		For Flange Frame, Add	*266.58*	
		For Clear Lacquer Finish, Add	*533.16*	
		For Baked Enamel Standard Colors, Add	*799.74*	
		For Anodized Finish, Add	*1,066.32*	
		For Kynar™ Standard Colors Finish, Add	*1,466.19*	
08 91 19 00-0211	EA	90" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	3,233.39	174.59
		Note: Includes bird screen.		
		For Flange Frame, Add	*288.42*	
		For Clear Lacquer Finish, Add	*576.84*	
		For Baked Enamel Standard Colors, Add	*865.26*	
		For Anodized Finish, Add	*1,153.68*	
		For Kynar™ Standard Colors Finish, Add	*1,586.31*	
08 91 19 00-0212	EA	96" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	847.44	86.22
		Note: Includes bird screen.		
		For Flange Frame, Add	*67.50*	
		For Clear Lacquer Finish, Add	*135.00*	
		For Baked Enamel Standard Colors, Add	*202.50*	
		For Anodized Finish, Add	*270.00*	
		For Kynar™ Standard Colors Finish, Add	*371.25*	
08 91 19 00-0213	EA	96" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,025.70	99.15
		Note: Includes bird screen.		
		For Flange Frame, Add	*82.74*	
		For Clear Lacquer Finish, Add	*165.48*	
		For Baked Enamel Standard Colors, Add	*248.22*	
		For Anodized Finish, Add	*330.96*	
		For Kynar™ Standard Colors Finish, Add	*455.07*	
08 91 19 00-0214	EA	96" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,195.58	112.08
		Note: Includes bird screen.		
		For Flange Frame, Add	*97.14*	
		For Clear Lacquer Finish, Add	*194.28*	
		For Baked Enamel Standard Colors, Add	*291.42*	
		For Anodized Finish, Add	*388.56*	
		For Kynar™ Standard Colors Finish, Add	*534.27*	
08 91 19 00-0215	EA	96" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,369.31	118.55
		Note: Includes bird screen.		
		For Flange Frame, Add	*113.22*	
		For Clear Lacquer Finish, Add	*226.44*	
		For Baked Enamel Standard Colors, Add	*339.66*	
		For Anodized Finish, Add	*452.88*	
		For Kynar™ Standard Colors Finish, Add	*622.71*	
08 91 19 00-0216	EA	96" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,603.52	122.86
		Note: Includes bird screen.		
		For Flange Frame, Add	*135.78*	
		For Clear Lacquer Finish, Add	*271.56*	
		For Baked Enamel Standard Colors, Add	*407.34*	
		For Anodized Finish, Add	*543.12*	
		For Kynar™ Standard Colors Finish, Add	*746.79*	
08 91 19 00-0217	EA	96" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,776.55	127.17
		Note: Includes bird screen.		
		For Flange Frame, Add	*152.22*	
		For Clear Lacquer Finish, Add	*304.44*	
		For Baked Enamel Standard Colors, Add	*456.66*	
		For Anodized Finish, Add	*608.88*	
		For Kynar™ Standard Colors Finish, Add	*837.21*	
08 91 19 00-0218	EA	96" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	1,927.37	131.49
		Note: Includes bird screen.		
		For Flange Frame, Add	*166.44*	
		For Clear Lacquer Finish, Add	*332.88*	
		For Baked Enamel Standard Colors, Add	*499.32*	
		For Anodized Finish, Add	*665.76*	
		For Kynar™ Standard Colors Finish, Add	*915.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0219	EA	96" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,092.59	135.79
		For Flange Frame, Add	*182.10*	
		For Clear Lacquer Finish, Add	*364.20*	
		For Baked Enamel Standard Colors, Add	*546.30*	
		For Anodized Finish, Add	*728.40*	
		For Kynar™ Standard Colors Finish, Add	*1,001.55*	
08 91 19 00-0220	EA	96" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,245.81	140.11
		For Flange Frame, Add	*196.56*	
		For Clear Lacquer Finish, Add	*393.12*	
		For Baked Enamel Standard Colors, Add	*589.68*	
		For Anodized Finish, Add	*786.24*	
		For Kynar™ Standard Colors Finish, Add	*1,081.08*	
08 91 19 00-0221	EA	96" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,501.97	150.88
		For Flange Frame, Add	*220.02*	
		For Clear Lacquer Finish, Add	*440.04*	
		For Baked Enamel Standard Colors, Add	*660.06*	
		For Anodized Finish, Add	*880.08*	
		For Kynar™ Standard Colors Finish, Add	*1,210.11*	
08 91 19 00-0222	EA	96" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,004.90	157.35
		For Flange Frame, Add	*169.02*	
		For Clear Lacquer Finish, Add	*338.04*	
		For Baked Enamel Standard Colors, Add	*507.06*	
		For Anodized Finish, Add	*676.08*	
		For Kynar™ Standard Colors Finish, Add	*929.61*	
08 91 19 00-0223	EA	96" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,818.23	163.82
		For Flange Frame, Add	*249.06*	
		For Clear Lacquer Finish, Add	*498.12*	
		For Baked Enamel Standard Colors, Add	*747.18*	
		For Anodized Finish, Add	*996.24*	
		For Kynar™ Standard Colors Finish, Add	*1,369.83*	
08 91 19 00-0224	EA	96" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,994.26	168.13
		For Flange Frame, Add	*265.80*	
		For Clear Lacquer Finish, Add	*531.60*	
		For Baked Enamel Standard Colors, Add	*797.40*	
		For Anodized Finish, Add	*1,063.20*	
		For Kynar™ Standard Colors Finish, Add	*1,461.90*	
08 91 19 00-0225	EA	96" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,146.99	174.59
		For Flange Frame, Add	*279.78*	
		For Clear Lacquer Finish, Add	*559.56*	
		For Baked Enamel Standard Colors, Add	*839.34*	
		For Anodized Finish, Add	*1,119.12*	
		For Kynar™ Standard Colors Finish, Add	*1,538.79*	
08 91 19 00-0226	EA	96" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,392.12	181.06
		For Flange Frame, Add	*303.00*	
		For Clear Lacquer Finish, Add	*606.00*	
		For Baked Enamel Standard Colors, Add	*909.00*	
		For Anodized Finish, Add	*1,212.00*	
		For Kynar™ Standard Colors Finish, Add	*1,666.50*	
08 91 19 00-0227		Gable Louver Vents *(08 91 19)* Note: 1" deep, residential/light commercial grade louvers.		
08 91 19 00-0228		Aluminum Gable Louver Vents *(08 91 19 00-0227)* Note: Includes screen.		
08 91 19 00-0229		Rectangular Aluminum Gable Louver Vents *(08 91 19 00-0228)* Note: Includes screen.		
08 91 19 00-0230	EA	12" x 18" Rectangular Fixed Aluminum Gable Louver Vent	140.38	7.45
08 91 19 00-0231	EA	12" x 24" Rectangular Fixed Aluminum Gable Louver Vent	153.79	8.55
08 91 19 00-0232	EA	18" x 24" Rectangular Fixed Aluminum Gable Louver Vent	177.32	9.65
08 91 19 00-0233	EA	18" x 30" Rectangular Fixed Aluminum Gable Louver Vent	194.29	10.27
08 91 19 00-0234	EA	24" x 30" Rectangular Fixed Aluminum Gable Louver Vent	221.35	10.87
08 91 19 00-0235	EA	24" x 36" Rectangular Fixed Aluminum Gable Louver Vent	248.08	13.03
08 91 19 00-0236	EA	30" x 36" Rectangular Fixed Aluminum Gable Louver Vent	288.18	16.29
08 91 19 00-0237	EA	30" x 42" Rectangular Fixed Aluminum Gable Louver Vent	321.59	19.01
08 91 19 00-0238	EA	36" x 42" Rectangular Fixed Aluminum Gable Louver Vent	368.38	22.82
08 91 19 00-0239	EA	42" x 48" Rectangular Fixed Aluminum Gable Louver Vent	461.91	30.42
08 91 19 00-0240		Square Aluminum Gable Louver Vents *(08 91 19 00-0228)* Note: Includes screen.		
08 91 19 00-0241	EA	12" x 12" Square Fixed Aluminum Gable Louver Vent	128.51	6.86
08 91 19 00-0242	EA	18" x 18" Square Fixed Aluminum Gable Louver Vent	159.26	8.70
08 91 19 00-0243	EA	24" x 24" Square Fixed Aluminum Gable Louver Vent	199.34	10.26
08 91 19 00-0244	EA	30" x 30" Square Fixed Aluminum Gable Louver Vent	254.76	13.58
08 91 19 00-0245	EA	36" x 36" Square Fixed Aluminum Gable Louver Vent	328.28	19.55
08 91 19 00-0246	EA	42" x 42" Square Fixed Aluminum Gable Louver Vent	415.08	26.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0247	EA	48" x 48" Square Fixed Aluminum Gable Louver Vent	515.39	34.76
08 91 19 00-0248		**Round Aluminum Gable Louver Vents** *(08 91 19 00-0228)* Note: Includes screen.		
08 91 19 00-0249	EA	12" Diameter Round Fixed Aluminum Gable Louver Vent	128.51	6.86
08 91 19 00-0250	EA	18" Diameter Round Fixed Aluminum Gable Louver Vent	159.26	8.70
08 91 19 00-0251	EA	24" Diameter Round Fixed Aluminum Gable Louver Vent	199.34	10.26
08 91 19 00-0252	EA	30" Diameter Round Fixed Aluminum Gable Louver Vent	254.76	13.58
08 91 19 00-0253	EA	36" Diameter Round Fixed Aluminum Gable Louver Vent	328.28	19.55
08 91 19 00-0254	EA	42" Diameter Round Fixed Aluminum Gable Louver Vent	415.14	26.61
08 91 19 00-0255		**Octagonal Aluminum Gable Louver Vents** *(08 91 19 00-0228)* Note: Includes screen.		
08 91 19 00-0256	EA	12" x 12" Octagonal Fixed Aluminum Gable Louver Vent	128.51	6.86
08 91 19 00-0257	EA	12" x 18" Octagonal Fixed Aluminum Gable Louver Vent	140.38	7.45
08 91 19 00-0258	EA	12" x 24" Octagonal Fixed Aluminum Gable Louver Vent	153.79	8.55
08 91 19 00-0259	EA	18" x 18" Octagonal Fixed Aluminum Gable Louver Vent	159.26	8.70
08 91 19 00-0260	EA	18" x 24" Octagonal Fixed Aluminum Gable Louver Vent	177.32	9.65
08 91 19 00-0261	EA	18" x 30" Octagonal Fixed Aluminum Gable Louver Vent	194.29	10.27
08 91 19 00-0262	EA	24" x 24" Octagonal Fixed Aluminum Gable Louver Vent	199.34	10.26
08 91 19 00-0263	EA	24" x 30" Octagonal Fixed Aluminum Gable Louver Vent	221.35	10.87
08 91 19 00-0264	EA	24" x 36" Octagonal Fixed Aluminum Gable Louver Vent	248.08	13.03
08 91 19 00-0265	EA	30" x 30" Octagonal Fixed Aluminum Gable Louver Vent	254.76	13.58
08 91 19 00-0266	EA	30" x 36" Octagonal Fixed Aluminum Gable Louver Vent	288.18	16.29
08 91 19 00-0267	EA	30" x 42" Octagonal Fixed Aluminum Gable Louver Vent	321.59	19.01
08 91 19 00-0268	EA	36" x 36" Octagonal Fixed Aluminum Gable Louver Vent	328.28	19.55
08 91 19 00-0269	EA	36" x 42" Octagonal Fixed Aluminum Gable Louver Vent	368.38	22.82
08 91 19 00-0270	EA	36" x 48" Octagonal Fixed Aluminum Gable Louver Vent	408.46	26.08
08 91 19 00-0271	EA	42" x 42" Octagonal Fixed Aluminum Gable Louver Vent	415.14	26.61
08 91 19 00-0272	EA	42" x 48" Octagonal Fixed Aluminum Gable Louver Vent	461.91	30.42
08 91 19 00-0273	EA	48" x 48" Octagonal Fixed Aluminum Gable Louver Vent	515.39	34.76
08 91 19 00-0274		**Round Top Aluminum Gable Louver Vents** *(08 91 19 00-0228)* Note: Includes screen.		
08 91 19 00-0275	EA	12" x 12" Round Top Fixed Aluminum Gable Louver Vent	128.51	6.86
08 91 19 00-0276	EA	12" x 18" Round Top Fixed Aluminum Gable Louver Vent	140.38	7.45
08 91 19 00-0277	EA	12" x 24" Round Top Fixed Aluminum Gable Louver Vent	153.79	8.55
08 91 19 00-0278	EA	18" x 18" Round Top Fixed Aluminum Gable Louver Vent	159.26	8.70
08 91 19 00-0279	EA	18" x 24" Round Top Fixed Aluminum Gable Louver Vent	177.32	9.65
08 91 19 00-0280	EA	18" x 30" Round Top Fixed Aluminum Gable Louver Vent	194.29	10.27
08 91 19 00-0281	EA	24" x 24" Round Top Fixed Aluminum Gable Louver Vent	199.34	10.26
08 91 19 00-0282	EA	24" x 30" Round Top Fixed Aluminum Gable Louver Vent	221.35	10.87
08 91 19 00-0283	EA	24" x 36" Round Top Fixed Aluminum Gable Louver Vent	248.08	13.03
08 91 19 00-0284	EA	30" x 30" Round Top Fixed Aluminum Gable Louver Vent	254.76	13.58
08 91 19 00-0285	EA	30" x 36" Round Top Fixed Aluminum Gable Louver Vent	288.18	16.29
08 91 19 00-0286	EA	30" x 42" Round Top Fixed Aluminum Gable Louver Vent	321.59	19.01
08 91 19 00-0287	EA	36" x 36" Round Top Fixed Aluminum Gable Louver Vent	328.28	19.55
08 91 19 00-0288	EA	36" x 42" Round Top Fixed Aluminum Gable Louver Vent	368.38	22.82
08 91 19 00-0289	EA	36" x 48" Round Top Fixed Aluminum Gable Louver Vent	408.46	26.08
08 91 19 00-0290	EA	42" x 42" Round Top Fixed Aluminum Gable Louver Vent	415.14	26.61
08 91 19 00-0291	EA	42" x 48" Round Top Fixed Aluminum Gable Louver Vent	461.91	30.42
08 91 19 00-0292	EA	48" x 48" Round Top Fixed Aluminum Gable Louver Vent	515.39	34.76
08 91 19 00-0293		**Triangle Aluminum Gable Louver Vents** *(08 91 19 00-0228)* Note: Includes screen.		
08 91 19 00-0294	EA	36" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent	264.92	8.55
08 91 19 00-0295	EA	36" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent	300.37	10.26
08 91 19 00-0296	EA	48" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent	322.38	10.87
08 91 19 00-0297	EA	48" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent	369.31	13.03
08 91 19 00-0298	EA	48" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent	411.35	13.58
08 91 19 00-0299	EA	60" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent	338.69	16.29
08 91 19 00-0300	EA	60" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent	397.36	19.01
08 91 19 00-0301	EA	60" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent	449.51	19.55
08 91 19 00-0302	EA	60" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent	509.81	22.82
08 91 19 00-0303	EA	72" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent	408.46	26.08
08 91 19 00-0304	EA	72" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent	470.71	26.61
08 91 19 00-0305	EA	72" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent	542.74	30.42
08 91 19 00-0306	EA	72" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent	616.41	34.76
08 91 19 00-0307	EA	72" Base x 48" High Triangle Fixed Aluminum Gable Louver Vent	692.59	39.95
08 91 19 00-0308		**Vinyl Gable Louver Vents** *(08 91 19 00-0227)* Note: Includes screen.		
08 91 19 00-0309	EA	12" x 12" Square Fixed Vinyl Gable Louver Vent	43.93	6.86
08 91 19 00-0310	EA	12" x 18" Rectangular Fixed Vinyl Gable Louver Vent	52.70	7.45
08 91 19 00-0311	EA	18" x 24" Rectangular Fixed Vinyl Gable Louver Vent	71.69	9.65
08 91 19 00-0312	EA	24" x 30" Rectangular Fixed Vinyl Gable Louver Vent	97.13	10.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0313	EA	18" Diameter Round Fixed Vinyl Gable Louver Vent	69.11	8.70
08 91 19 00-0314	EA	22" Diameter Round Fixed Vinyl Gable Louver Vent	79.97	10.26
08 91 19 00-0315	EA	30" Diameter Round Fixed Vinyl Gable Louver Vent	112.34	13.58
08 91 19 00-0316	EA	36" Diameter Round Fixed Vinyl Gable Louver Vent	164.06	19.55
08 91 19 00-0317	EA	18" x 18" Octagonal Fixed Vinyl Gable Louver Vent	69.11	8.70
08 91 19 00-0318	EA	22" x 22" Octagonal Fixed Vinyl Gable Louver Vent	78.16	9.65
08 91 19 00-0319	EA	27" x 27" Octagonal Fixed Vinyl Gable Louver Vent	100.11	10.87
08 91 19 00-0320	EA	32" x 32" Octagonal Fixed Vinyl Gable Louver Vent	142.55	16.29
08 91 19 00-0321	EA	40" x 40" Octagonal Fixed Vinyl Gable Louver Vent	333.11	26.08
08 91 19 00-0322	EA	14" x 22" Round Top Fixed Vinyl Gable Louver Vent	67.74	8.55
08 91 19 00-0323	EA	22" x 32" Round Top Fixed Vinyl Gable Louver Vent	93.94	10.87
08 91 19 00-0324	EA	34" x 22" Half Round Fixed Vinyl Gable Louver Vent	98.13	13.03
08 91 19 00-0325	EA	52" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent	219.06	16.29
08 91 19 00-0326	EA	56" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent	219.06	16.29
08 91 19 00-0327	EA	56" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent	219.06	16.29
08 91 19 00-0328	EA	62" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent	219.06	16.29
08 91 19 00-0329	EA	62-1/2" Base x 21" High Triangle Fixed Vinyl Gable Louver Vent	219.06	16.29
08 91 19 00-0330	EA	70-1/2" Base x 17" High Triangle Fixed Vinyl Gable Louver Vent	248.42	26.08
08 91 19 00-0331	EA	70-1/2" Base x 20-1/2" High Triangle Fixed Vinyl Gable Louver Vent	248.42	26.08
08 91 19 00-0332	EA	72-1/2" Base x 18" High Triangle Fixed Vinyl Gable Louver Vent	248.42	26.08
08 91 19 00-0333	EA	74" Base x 14-1/2" High Triangle Fixed Vinyl Gable Louver Vent	248.42	26.08

08 95 Vents *(08 90)*

08 95 13 Soffit Vents *(08 95)*

08 95 13 00-0001 Aluminum Soffit Vents *(08 95 13)*

08 95 13 00-0002	LF	2-1/2" Wide Aluminum Soffit Vent	4.81	1.98
08 95 13 00-0003	LF	3" Wide Aluminum Soffit Vent	9.15	3.88
08 95 13 00-0004	EA	4" x 16" Under Eave Vent, Mill Finish	13.45	5.17
08 95 13 00-0005	EA	8" x 16" Under Eave Vent, Mill Finish	13.70	5.17

08 95 13 00-0006 Vinyl Soffit Vents *(08 95 13)*

08 95 13 00-0007	LF	Up To 2" Vinyl Soffit Vent, Perforated, White	4.12	1.77
		For Colors, Add	*0.06*	
08 95 13 00-0008	LF	3" To 4" Vinyl Soffit Vent, Perforated, White	4.20	1.77
		For Colors, Add	*0.07*	

08 95 16 Wall Vents *(08 95)*

08 95 16 00-0001 Foundation Vents *(08 95 16)*

08 95 16 00-0002	SI	Galvanized Steel Foundation Vent	0.40	0.15
08 95 16 00-0003	SI	Aluminum Foundation Vent	0.41	0.15
08 95 16 00-0004	SI	Stainless Steel Foundation Vent	0.95	0.15
08 95 16 00-0005	SI	Plastic Foundation Vent	0.30	0.15

END OF SECTION 08

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 Finishes

09 01 Maintenance Of Finishes *(09)*

09 01 20 Maintenance Of Plaster And Gypsum Board *(09 01)*

09 01 20 00-0001 Drywall Repair *(09 01 20)*

Note: Includes cutting of exisiting gypsum board, cutting new board to fit opening, finishing, and disposal of debris into dumpster. Per location. See CSI section 09 29 00 00-0000 for "Gypsum Board" repairs > 32 SF.

09 01 20 00-0002	SF	Up To 2 SF, Cut And Patch Hole In Drywall To Match Existing Note: Per location.	13.58
09 01 20 00-0003	SF	>2 To 4 SF, Cut And Patch Hole In Drywall To Match Existing Note: Per location.	10.97
09 01 20 00-0004	SF	>4 To 8 SF, Cut And Patch Hole In Drywall To Match Existing Note: Per location.	9.86
09 01 20 00-0005	SF	>8 To 16 SF, Cut And Patch Hole In Drywall To Match Existing Note: Per location.	8.69
09 01 20 00-0006	SF	>16 To 32 SF, Cut And Patch Hole In Drywall To Match Existing Note: Per location. See CSI section 09 29 00 00-0001 for "Gypsum Board" repairs > 32 SF.	7.79

09 01 20 00-0007 Plaster Repair *(09 01 20)*

Note: Per location.

09 01 20 00-0008 Crack Repairs *(09 01 20 00-0007)*

Note: Includes plaster weld.

09 01 20 00-0009	LF	Up To 10', Chip, Clean And Repair Crack In Plaster	13.15
09 01 20 00-0010	LF	>10' To 50', Chip, Clean And Repair Crack In Plaster	10.54
09 01 20 00-0011	LF	>50' To 100', Chip, Clean And Repair Crack In Plaster	8.58
09 01 20 00-0012	LF	>100' To 250', Chip, Clean And Repair Crack In Plaster	6.64
09 01 20 00-0013	LF	>250' To 500', Chip, Clean And Repair Crack In Plaster	5.34
09 01 20 00-0014	LF	>500', Chip, Clean And Repair Crack In Plaster	4.03

09 01 20 00-0015 Hole Repairs *(09 01 20 00-0007)*

Note: Includes plaster weld.

09 01 20 00-0016	SF	Up To 10 SF, Cut And Patch Hole In Plaster To Match Existing	12.41
09 01 20 00-0017	SF	>10 To 50 SF, Cut And Patch Hole In Plaster To Match Existing	10.96
09 01 20 00-0018	SF	>50 To 100 SF, Cut And Patch Hole In Plaster To Match Existing	10.09
09 01 20 00-0019	SF	>100 To 250 SF, Cut And Patch Hole In Plaster To Match Existing	9.36
09 01 20 00-0020	SF	>250 To 500 SF, Cut And Patch Hole In Plaster To Match Existing	8.73
09 01 20 00-0021	SF	>500 SF, Cut And Patch Hole In Plaster To Match Existing	8.02

09 01 20 00-0022 Damage Repairs *(09 01 20 00-0007)*

Note: Includes plaster weld.

09 01 20 00-0023	SF	Up To 10 SF, Chip, Clean And Repair Plaster/Stucco	23.57
09 01 20 00-0024	SF	>10 To 50 SF, Chip, Clean And Repair Plaster/Stucco	17.06
09 01 20 00-0025	SF	>50 To 250 SF, Chip, Clean And Repair Plaster/Stucco	12.50
09 01 20 00-0026	SF	>250 SF, Chip, Clean And Repair Plaster/Stucco	9.90

09 01 30 Maintenance of Tiling *(09 01)*

09 01 30 91 Tile Restoration *(09 01 30)*

09 01 30 91-0001	SF	Regrout Floor Tile Including Removal Of Loose Grout	5.45
09 01 30 91-0002	SF	Regrout Wall Tile Including Removal Of Loose Grout	6.81
09 01 30 91-0003	SF	Cut And Patch Hole In Tile To Match Existing, Up To 1 SF Note: Per location.	35.15

09 01 60 Maintenance Of Flooring *(09 01)*

09 01 60 00-0001 Terrazzo Grinding, Polishing And Sealing *(09 01 60)*

09 01 60 00-0002	CSF	Grind Existing Terrazzo, Polish And Seal	249.17
09 01 60 00-0003	SF	Remove Setting Bed And Clean Area	3.82
09 01 60 00-0004	SF	Repair Existing Terrazzo	16.92
09 01 60 00-0005	LF	Repair Cracks In Existing Terrazzo	3.90

09 01 60 00-0006 Standard Maintenance *(09 01 60)*

09 01 60 00-0007	CSF	Carpet - Steam Clean	16.39
09 01 60 00-0008	CSF	Tile - Wax And Polish	36.27
		For Additional Coat, Add	*30.00*
09 01 60 00-0009	CSF	Wood - Wax And Polish	20.54
		For Additional Coat, Add	*17.75*
09 01 60 00-0010	MSF	Vacuum Floors	19.32

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 60 00-0011		**Concrete Floor Prep** *(09 01 60)*		
09 01 60 00-0012	SY	Grinding Of Existing Concrete Floor Prior To Installation Of Carpet	11.45	
09 01 60 00-0013	SY	Chemical Prepare Existing Concrete Floor Prior To Installation Of Carpet	6.08	
09 01 60 00-0014		**Masonry/Tile Floor Sealants** *(09 01 60)*		
09 01 60 00-0015	SF	Water-Based Emulsion Masonry/Tile/Stone/Terrazzo Floor Sealant/Finish, Per Coat Note: For terrazzo, concrete, quarry tile, brick and unglazed ceramic tile.	0.97	
09 01 60 00-0016	SF	Fluorochemical Acrylate Copolymer Masonry/Tile/Stone/Terrazzo Floor Sealant	1.07	
09 01 60 00-0017	GAL	Masonry/Tile/Stone/Terrazzo Floor Sealant (Extra To Be Provided To Owner)	36.12	

09 05 Common Work Results For Finishes *(09)*

09 05 61 Common Work Results for Flooring Preparation *(09 05)*

09 05 61 13 Moisture Vapor Emission Control *(09 05 61)*

09 05 61 13-0001		**Moisture Vapor Reduction (Koester VAP)** *(09 05 61 13)*		
09 05 61 13-0002	EA	Up To 200 SF Water Vapor Emission Control System (Koester VAP 1-2000) Note: Clear	1,844.00	
09 05 61 13-0003	SF	>200 To 500 SF Water Vapor Emission Control System (Koester VAP 1-2001) Note: Clear	9.76	
09 05 61 13-0004	SF	>500 To 1,000 SF Water Vapor Emission Control System (Koester VAP 1-2002) Note: Clear	6.51	
09 05 61 13-0005	SF	>1,000 To 3,000 SF Water Vapor Emission Control System (Koester VAP 1-2003) Note: Clear	5.42	
09 05 61 13-0006	SF	>3,000 SF Water Vapor Emission Control System (Koester VAP 1-2004) Note: Clear	4.34	
09 05 61 13-0007		**Moisture Vapor Transmission Control (Dependable Cutdown® II)** *(09 05 61 13)*		
09 05 61 13-0008	SF	8# Two Coats, Moisture Vapor Transmission Control (Dependable Cutdown® II)	2.76	
09 05 61 13-0009	SF	15# Two Coats, Moisture Vapor Transmission Control (Dependable Cutdown® II)	3.66	

09 05 71 Acoustic Underlayment *(09 05)*

09 05 71 00-0001		**Acoustical Tile Floor Underlayment** *(09 05 71)*		
09 05 71 00-0002	SF	5 Mil Tile And Stone Acoustical Underlayment (EasyMat)	2.52	
		For Chemical Resistant Epoxy Grout, Add	*0.35*	
09 05 71 00-0003		**Resilient Floor Underlayment** *(09 05 71)*		
09 05 71 00-0004	SF	Acoustical Underlayment For Vinyl, Linoleum, LVT And Vinyl Strip Flooring (Impacta, Soundseal VC300)	1.91	
09 05 71 00-0005	SF	2 MM Thick Resilient Plank Floor Underlayment (Floormuffler)	1.18	
09 05 71 00-0006	SF	0.055" Thick High Density Polyurethane Foam Floor Underlayment (Silencer LVT)	1.50	

09 20 Plaster And Gypsum Board *(09)*

09 22 Supports For Plaster And Gypsum Board *(09 20)*

Note: Per SF of wall area measures one side. Do not deduct for opens of less than 25 SF when calculating total wall square footage.

09 22 13 Metal Furring *(09 22)*

09 22 13 00-0001		**Hat Channel, Drywall Furring Channel** *(09 22 13)* Note: Includes clips where required.		
09 22 13 00-0002		**Hat Channel, Drywall Furring Channel, Installed On Walls** *(09 22 13 00-0001)*		
09 22 13 00-0003	SF	7/8", 25 Gauge, Hat Channel, Drywall Furring Channel, Installed On Walls 16" On Center	2.96	1.23
		For Walls >10' High, Add	*0.37*	
		For 24" On Center, Deduct	*-0.35*	
		For 12" On Center, Add	*0.47*	
		For 22 Gauge, Add	*0.44*	
		For 20 Gauge, Add	*0.70*	
09 22 13 00-0004	SF	1-1/2", 25 Gauge, Hat Channel, Drywall Furring Channel, Installed On Walls 16" On Center	3.16	1.23
		For Walls >10' High, Add	*0.37*	
		For 24" On Center, Deduct	*-0.39*	
		For 12" On Center, Add	*0.51*	
		For 22 Gauge, Add	*0.54*	
		For 20 Gauge, Add	*0.84*	
09 22 13 00-0005		**Hat Channel, Drywall Furring Channel, Installed On Columns And Beams** *(09 22 13 00-0001)*		
09 22 13 00-0006	SF	7/8", 25 Gauge, Hat Channel, Drywall Furring Channel, Installed On Columns And Beams 16" On Center	4.28	1.89
		For Columns And Beams >10' High, Add	*0.75*	
		For 24" On Center, Deduct	*-0.48*	
		For 12" On Center, Add	*0.67*	
		For 22 Gauge, Add	*0.54*	
		For 20 Gauge, Add	*0.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 13 00-0007	SF	1-1/2", 25 Gauge, Hat Channel, Drywall Furring Channel, Installed On Columns And Beams 16" On Center	4.48	1.89
		For Columns And Beams >10' High, Add	*0.75*	
		For 24" On Center, Deduct	*-0.52*	
		For 12" On Center, Add	*0.71*	
		For 22 Gauge, Add	*0.64*	
		For 20 Gauge, Add	*1.03*	

09 22 13 00-0008 Hat Channel, Drywall Furring Channel, Installed On Ceilings *(09 22 13 00-0001)*

09 22 13 00-0009	SF	7/8", 25 Gauge, Hat Channel, Drywall Furring Channel, Installed On Ceilings 16" On Center	3.87	1.51
		For Ceilings >10' High, Add	*0.45*	
		For 24" On Center, Deduct	*-0.47*	
		For 12" On Center, Add	*0.62*	
		For 22 Gauge, Add	*0.65*	
		For 20 Gauge, Add	*1.01*	
09 22 13 00-0010	SF	1-1/2", 25 Gauge, Hat Channel, Drywall Furring Channel, Installed On Ceilings 16" On Center	4.07	1.51
		For Ceilings >10' High, Add	*0.45*	
		For 24" On Center, Deduct	*-0.51*	
		For 12" On Center, Add	*0.66*	
		For 22 Gauge, Add	*0.75*	
		For 20 Gauge, Add	*1.15*	

09 22 13 00-0011 Z Furring Channel *(09 22 13)*

09 22 13 00-0012 Z Furring Channel, Installed On Walls *(09 22 13 00-0011)*

09 22 13 00-0013	SF	1", 25 Gauge, Z Furring Channel, Installed On Walls 16" On Center	2.61	1.23
		For Walls >10' High, Add	*0.37*	
		For 24" On Center, Deduct	*-0.28*	
		For 12" On Center, Add	*0.40*	
		For 22 Gauge, Add	*0.26*	
		For 20 Gauge, Add	*0.47*	
09 22 13 00-0014	SF	1-1/2", 25 Gauge, Z Furring Channel, Installed On Walls 16" On Center	2.64	1.23
		For Walls >10' High, Add	*0.37*	
		For 24" On Center, Deduct	*-0.28*	
		For 12" On Center, Add	*0.41*	
		For 22 Gauge, Add	*0.28*	
		For 20 Gauge, Add	*0.49*	
09 22 13 00-0015	SF	2", 25 Gauge, Z Furring Channel, Installed On Walls 16" On Center	2.67	1.23
		For Walls >10' High, Add	*0.37*	
		For 24" On Center, Deduct	*-0.29*	
		For 12" On Center, Add	*0.41*	
		For 22 Gauge, Add	*0.29*	
		For 20 Gauge, Add	*0.51*	
09 22 13 00-0016	SF	2-1/2", 25 Gauge, Z Furring Channel, Installed On Walls 16" On Center	2.69	1.23
		For Walls >10' High, Add	*0.37*	
		For 24" On Center, Deduct	*-0.29*	
		For 12" On Center, Add	*0.42*	
		For 22 Gauge, Add	*0.30*	
		For 20 Gauge, Add	*0.53*	
09 22 13 00-0017	SF	3", 25 Gauge, Z Furring Channel, Installed On Walls 16" On Center	2.71	1.23
		For Walls >10' High, Add	*0.37*	
		For 24" On Center, Deduct	*-0.30*	
		For 12" On Center, Add	*0.42*	
		For 22 Gauge, Add	*0.31*	
		For 20 Gauge, Add	*0.54*	

09 22 13 00-0018 Single-Leg Resilient Channel, RC1 Furring Channel *(09 22 13)*

Note: Includes clips where required.

09 22 13 00-0019 Single-Leg Resilient Channel, RC1 Furring Channel, Installed On Walls *(09 22 13 00-0018)*

09 22 13 00-0020	SF	Single-Leg Resilient Channel, 25 Gauge, RC1 Furring Channel, Installed On Walls 16" On Center	2.78	1.23
		For Walls >10' High, Add	*0.37*	
		For 24" On Center, Deduct	*-0.31*	
		For 12" On Center, Add	*0.43*	
		For 20 Gauge, Add	*0.59*	

09 22 13 00-0021 Single-Leg Resilient Channel, RC1 Furring Channel, Installed On Ceilings *(09 22 13 00-0018)*

09 22 13 00-0022	SF	Single-Leg Resilient Channel, 25 Gauge, RC1 Furring Channel, Installed On Ceilings 16" On Center	3.35	1.51
		For Ceilings >10' High, Add	*0.45*	
		For 24" On Center, Deduct	*-0.37*	
		For 12" On Center, Add	*0.52*	
		For 20 Gauge, Add	*0.67*	

09 22 13 00-0023 Double-Leg Resilient Channel, RC2 Furring Channel *(09 22 13)*

Note: Includes clips where required.

09 22 13 00-0024 Double-Leg Resilient Channel, RC2 Furring Channel, Installed On Walls *(09 22 13 00-0023)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 13 00-0025	SF	Double-Leg Resilient Channel, 25 Gauge, RC2 Furring Channel, Installed On Walls 16" On Center	2.91	1.23
		For Walls >10' High, Add	*0.37*	
		For 24" On Center, Deduct	*-0.34*	
		For 12" On Center, Add	*0.46*	
		For 20 Gauge, Add	*0.67*	

09 22 13 00-0026 Double-Leg Resilient Channel, RC2 Furring Channel, Installed On Ceilings
(09 22 13 00-0023)

09 22 13 00-0027	SF	Double-Leg Resilient Channel, 25 Gauge, RC2 Furring Channel, Installed On Ceilings 16" On Center	3.48	1.51
		For Ceilings >10' High, Add	*0.45*	
		For 24" On Center, Deduct	*-0.39*	
		For 12" On Center, Add	*0.55*	
		For 20 Gauge, Add	*0.76*	

09 22 16 Non-Structural Metal Framing *(09 22)*

Note: Includes all necessary framing studs, bridging, fasteners necessary to attach to floors, walls, ceilings and a metal stiffener at half height. Per SF of wall area measures one side. Do not deduct for openings of less than 25 SF when calculating total wall square footage.

09 22 16 13 Non-Structural Metal Stud Framing *(09 22 16)*

09 22 16 13-0001 25 Gauge, Non Load Bearing, Non Structural Metal Framing *(09 22 16 13)*

09 22 16 13-0002	SF	1-5/8" Width, 25 Gauge, Non Load Bearing, Non Structural Metal Framing Stud With Tracks And Runners, 16" On Center	1.84	0.51
		For Walls >10' High, Add	*0.37*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.21*	
		For Soffit, Columns Or Beams >10' High, Add	*1.59*	
		For Horizontal Installation Up To 10' High, Add	*0.38*	
		For Horizontal Installation >10' High, Add	*0.50*	
		For Curved Wall, Add	*0.38*	
		For 12" On Center, Add	*0.30*	
		For 24" On Center, Deduct	*-0.30*	
		For Up To 200, Add	*0.62*	
		For >200 To 500, Add	*0.31*	
09 22 16 13-0003	SF	2-1/2" Width, 25 Gauge, Non Load Bearing, Non Structural Metal Framing Stud With Tracks And Runners, 16" On Center	1.95	0.53
		For Walls >10' High, Add	*0.39*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.27*	
		For Soffit, Columns Or Beams >10' High, Add	*1.67*	
		For Horizontal Installation Up To 10' High, Add	*0.40*	
		For Horizontal Installation >10' High, Add	*0.53*	
		For Curved Wall, Add	*0.40*	
		For 12" On Center, Add	*0.32*	
		For 24" On Center, Deduct	*-0.32*	
		For Up To 200, Add	*0.66*	
		For >200 To 500, Add	*0.33*	
09 22 16 13-0004	SF	3-5/8" Width, 25 Gauge, Non Load Bearing, Non Structural Metal Framing Stud With Tracks And Runners, 16" On Center	2.13	0.56
		For Walls >10' High, Add	*0.43*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.34*	
		For Soffit, Columns Or Beams >10' High, Add	*1.76*	
		For Horizontal Installation Up To 10' High, Add	*0.42*	
		For Horizontal Installation >10' High, Add	*0.57*	
		For Curved Wall, Add	*0.42*	
		For 12" On Center, Add	*0.36*	
		For 24" On Center, Deduct	*-0.36*	
		For Up To 200, Add	*0.71*	
		For >200 To 500, Add	*0.35*	
09 22 16 13-0005	SF	4" Width, 25 Gauge, Non Load Bearing, Non Structural Metal Framing Stud With Tracks And Runners, 16" On Center	2.27	0.59
		For Walls >10' High, Add	*0.45*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.40*	
		For Soffit, Columns Or Beams >10' High, Add	*1.84*	
		For Horizontal Installation Up To 10' High, Add	*0.45*	
		For Horizontal Installation >10' High, Add	*0.59*	
		For Curved Wall, Add	*0.44*	
		For 12" On Center, Add	*0.38*	
		For 24" On Center, Deduct	*-0.38*	
		For Up To 200, Add	*0.75*	
		For >200 To 500, Add	*0.37*	
09 22 16 13-0006	SF	6" Width, 25 Gauge, Non Load Bearing, Non Structural Metal Framing Stud With Tracks And Runners, 16" On Center	2.53	0.62
		For Walls >10' High, Add	*0.51*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.49*	
		For Soffit, Columns Or Beams >10' High, Add	*1.96*	
		For Horizontal Installation Up To 10' High, Add	*0.49*	
		For Horizontal Installation >10' High, Add	*0.64*	
		For Curved Wall, Add	*0.47*	
		For 12" On Center, Add	*0.43*	
		For 24" On Center, Deduct	*-0.43*	
		For Up To 200, Add	*0.82*	
		For >200 To 500, Add	*0.41*	

09 22 16 13-0007 20 Gauge, Non Load Bearing, Non Structural Metal Framing *(09 22 16 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0008	SF	1-5/8" Width, 20 Gauge, Non Load Bearing, Non Structural Metal Framing Stud With Tracks And Runners, 16" On Center	2.06	0.52
		For Walls >10' High, Add	*0.41*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.25*	
		For Soffit, Columns Or Beams >10' High, Add	*1.65*	
		For Horizontal Installation Up To 10' High, Add	*0.40*	
		For Horizontal Installation >10' High, Add	*0.53*	
		For Curved Wall, Add	*0.39*	
		For 12" On Center, Add	*0.35*	
		For 24" On Center, Deduct	*-0.35*	
		For Up To 200, Add	*0.67*	
		For >200 To 500, Add	*0.34*	
09 22 16 13-0009	SF	2-1/2" Width, 20 Gauge, Non Load Bearing, Non Structural Metal Framing Stud With Tracks And Runners, 16" On Center	2.26	0.55
		For Walls >10' High, Add	*0.45*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.33*	
		For Soffit, Columns Or Beams >10' High, Add	*1.74*	
		For Horizontal Installation Up To 10' High, Add	*0.43*	
		For Horizontal Installation >10' High, Add	*0.57*	
		For Curved Wall, Add	*0.41*	
		For 12" On Center, Add	*0.38*	
		For 24" On Center, Deduct	*-0.38*	
		For Up To 200, Add	*0.73*	
		For >200 To 500, Add	*0.36*	
09 22 16 13-0010	SF	3-5/8" Width, 20 Gauge, Non Load Bearing, Non Structural Metal Framing Stud With Tracks And Runners, 16" On Center	2.48	0.57
		For Walls >10' High, Add	*0.50*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.40*	
		For Soffit, Columns Or Beams >10' High, Add	*1.83*	
		For Horizontal Installation Up To 10' High, Add	*0.46*	
		For Horizontal Installation >10' High, Add	*0.61*	
		For Curved Wall, Add	*0.43*	
		For 12" On Center, Add	*0.42*	
		For 24" On Center, Deduct	*-0.42*	
		For Up To 200, Add	*0.78*	
		For >200 To 500, Add	*0.39*	
09 22 16 13-0011	SF	4" Width, 20 Gauge, Non Load Bearing, Non Structural Metal Framing Stud With Tracks And Runners, 16" On Center	2.64	0.60
		For Walls >10' High, Add	*0.53*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.47*	
		For Soffit, Columns Or Beams >10' High, Add	*1.93*	
		For Horizontal Installation Up To 10' High, Add	*0.49*	
		For Horizontal Installation >10' High, Add	*0.64*	
		For Curved Wall, Add	*0.45*	
		For 12" On Center, Add	*0.45*	
		For 24" On Center, Deduct	*-0.45*	
		For Up To 200, Add	*0.83*	
		For >200 To 500, Add	*0.42*	
09 22 16 13-0012	SF	6" Width, 20 Gauge, Non Load Bearing, Non Structural Metal Framing Stud With Tracks And Runners, 16" On Center	3.61	0.63
		For Walls >10' High, Add	*0.72*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.63*	
		For Soffit, Columns Or Beams >10' High, Add	*2.11*	
		For Horizontal Installation Up To 10' High, Add	*0.60*	
		For Horizontal Installation >10' High, Add	*0.76*	
		For Curved Wall, Add	*0.48*	
		For 12" On Center, Add	*0.64*	
		For 24" On Center, Deduct	*-0.64*	
		For Up To 200, Add	*1.04*	
		For >200 To 500, Add	*0.52*	

09 22 16 13-0013 18 Gauge, Non Load Bearing, Non Structural Metal Framing *(09 22 16 13)*

09 22 16 13-0014	SF	2-1/2" Width, 18 Gauge, Non Load Bearing, Non Structural Metal Framing Stud With Tracks And Runners, 16" On Center	2.62	0.56
		For Walls >10' High, Add	*0.52*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.39*	
		For Soffit, Columns Or Beams >10' High, Add	*1.81*	
		For Horizontal Installation Up To 10' High, Add	*0.47*	
		For Horizontal Installation >10' High, Add	*0.61*	
		For Curved Wall, Add	*0.42*	
		For 12" On Center, Add	*0.45*	
		For 24" On Center, Deduct	*-0.45*	
		For Up To 200, Add	*0.81*	
		For >200 To 500, Add	*0.40*	
09 22 16 13-0015	SF	3-5/8" Width, 18 Gauge, Non Load Bearing, Non Structural Metal Framing Stud With Tracks And Runners, 16" On Center	3.31	0.59
		For Walls >10' High, Add	*0.66*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.52*	
		For Soffit, Columns Or Beams >10' High, Add	*1.96*	
		For Horizontal Installation Up To 10' High, Add	*0.55*	
		For Horizontal Installation >10' High, Add	*0.70*	
		For Curved Wall, Add	*0.44*	
		For 12" On Center, Add	*0.59*	
		For 24" On Center, Deduct	*-0.59*	
		For Up To 200, Add	*0.96*	
		For >200 To 500, Add	*0.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0016	SF	4" Width, 18 Gauge, Non Load Bearing, Non Structural Metal Framing Stud With Tracks And Runners, 16" On Center	3.61	0.62
		For Walls >10' High, Add	*0.72*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.60*	
		For Soffit, Columns Or Beams >10' High, Add	*2.07*	
		For Horizontal Installation Up To 10' High, Add	*0.59*	
		For Horizontal Installation >10' High, Add	*0.75*	
		For Curved Wall, Add	*0.47*	
		For 12" On Center, Add	*0.64*	
		For 24" On Center, Deduct	*-0.64*	
		For Up To 200, Add	*1.03*	
		For >200 To 500, Add	*0.52*	
09 22 16 13-0017	SF	6" Width, 18 Gauge, Non Load Bearing, Non Structural Metal Framing Stud With Tracks And Runners, 16" On Center	4.65	0.65
		For Walls >10' High, Add	*0.93*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.77*	
		For Soffit, Columns Or Beams >10' High, Add	*2.26*	
		For Horizontal Installation Up To 10' High, Add	*0.71*	
		For Horizontal Installation >10' High, Add	*0.87*	
		For Curved Wall, Add	*0.49*	
		For 12" On Center, Add	*0.85*	
		For 24" On Center, Deduct	*-0.85*	
		For Up To 200, Add	*1.26*	
		For >200 To 500, Add	*0.63*	
09 22 16 13-0018	SF	8" Width, 18 Gauge, Non Load Bearing, Non Structural Metal Framing Stud With Tracks And Runners, 16" On Center	5.06	0.68
		For Walls >10' High, Add	*1.01*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.87*	
		For Soffit, Columns Or Beams >10' High, Add	*2.39*	
		For Horizontal Installation Up To 10' High, Add	*0.76*	
		For Horizontal Installation >10' High, Add	*0.93*	
		For Curved Wall, Add	*0.51*	
		For 12" On Center, Add	*0.93*	
		For 24" On Center, Deduct	*-0.93*	
		For Up To 200, Add	*1.35*	
		For >200 To 500, Add	*0.68*	

09 22 16 13-0019 16 Gauge, Non Load Bearing, Non Structural Metal Framing *(09 22 16 13)*

09 22 16 13-0020	SF	2-1/2" Width, 16 Gauge, Non Load Bearing, Non Structural Metal Framing Stud With Tracks And Runners, 16" On Center	3.23	0.57
		For Walls >10' High, Add	*0.65*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.48*	
		For Soffit, Columns Or Beams >10' High, Add	*1.91*	
		For Horizontal Installation Up To 10' High, Add	*0.54*	
		For Horizontal Installation >10' High, Add	*0.68*	
		For Curved Wall, Add	*0.43*	
		For 12" On Center, Add	*0.57*	
		For 24" On Center, Deduct	*-0.57*	
		For Up To 200, Add	*0.93*	
		For >200 To 500, Add	*0.47*	
09 22 16 13-0021	SF	3-5/8" Width, 16 Gauge, Non Load Bearing, Non Structural Metal Framing Stud With Tracks And Runners, 16" On Center	3.78	0.60
		For Walls >10' High, Add	*0.76*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.59*	
		For Soffit, Columns Or Beams >10' High, Add	*2.04*	
		For Horizontal Installation Up To 10' High, Add	*0.60*	
		For Horizontal Installation >10' High, Add	*0.76*	
		For Curved Wall, Add	*0.45*	
		For 12" On Center, Add	*0.68*	
		For 24" On Center, Deduct	*-0.68*	
		For Up To 200, Add	*1.06*	
		For >200 To 500, Add	*0.53*	
09 22 16 13-0022	SF	4" Width, 16 Gauge, Non Load Bearing, Non Structural Metal Framing Stud With Tracks And Runners, 16" On Center	4.00	0.63
		For Walls >10' High, Add	*0.80*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.67*	
		For Soffit, Columns Or Beams >10' High, Add	*2.15*	
		For Horizontal Installation Up To 10' High, Add	*0.64*	
		For Horizontal Installation >10' High, Add	*0.80*	
		For Curved Wall, Add	*0.48*	
		For 12" On Center, Add	*0.72*	
		For 24" On Center, Deduct	*-0.72*	
		For Up To 200, Add	*1.12*	
		For >200 To 500, Add	*0.56*	
09 22 16 13-0023	SF	6" Width, 16 Gauge, Non Load Bearing, Non Structural Metal Framing Stud With Tracks And Runners, 16" On Center	5.01	0.66
		For Walls >10' High, Add	*1.00*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.84*	
		For Soffit, Columns Or Beams >10' High, Add	*2.34*	
		For Horizontal Installation Up To 10' High, Add	*0.75*	
		For Horizontal Installation >10' High, Add	*0.92*	
		For Curved Wall, Add	*0.50*	
		For 12" On Center, Add	*0.92*	
		For 24" On Center, Deduct	*-0.92*	
		For Up To 200, Add	*1.34*	
		For >200 To 500, Add	*0.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0024	SF	8" Width, 16 Gauge, Non Load Bearing, Non Structural Metal Framing Stud With Tracks And Runners, 16" On Center	5.50	0.70
		For Walls >10' High, Add	*1.10*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.95*	
		For Soffit, Columns Or Beams >10' High, Add	*2.48*	
		For Horizontal Installation Up To 10' High, Add	*0.81*	
		For Horizontal Installation >10' High, Add	*0.99*	
		For Curved Wall, Add	*0.53*	
		For 12" On Center, Add	*1.01*	
		For 24" On Center, Deduct	*-1.01*	
		For Up To 200, Add	*1.45*	
		For >200 To 500, Add	*0.73*	

09 22 36 Lath *(09 22)*

09 22 36 13 Gypsum Lath *(09 22 36)*

09 22 36 13-0001 Plaster Base Gypsum Panel *(09 22 36 13)*

09 22 36 13-0002	SF	3/8" Plaster Base Gypsum Panel, Installed On Studs Or Furred Walls	0.95	0.34
		For Walls >10' High, Add	*0.09*	
		For Up To 100, Add	*0.34*	
		For >100 To 500, Add	*0.17*	
		For >5,000, Deduct	*-0.07*	
09 22 36 13-0003	SF	1/2" Plaster Base Gypsum Panel, Installed On Studs Or Furred Walls	1.28	0.39
		For Walls >10' High, Add	*0.10*	
		For Up To 100, Add	*0.39*	
		For >100 To 500, Add	*0.20*	
		For >5,000, Deduct	*-0.08*	
09 22 36 13-0004	SF	5/8" Plaster Base Gypsum Panel, Installed On Studs Or Furred Walls	1.62	0.45
		For Walls >10' High, Add	*0.11*	
		For Up To 100, Add	*0.45*	
		For >100 To 500, Add	*0.22*	
		For >5,000, Deduct	*-0.09*	
09 22 36 13-0005	SF	3/8" Plaster Base Gypsum Panel, Installed On Ceiling	1.23	0.47
		For Ceilings >10' High, Add	*0.14*	
		For Up To 100, Add	*0.48*	
		For >100 To 500, Add	*0.24*	
		For >5,000, Deduct	*-0.10*	
09 22 36 13-0006	SF	1/2" Plaster Base Gypsum Panel, Installed On Ceiling	1.60	0.55
		For Ceilings >10' High, Add	*0.17*	
		For Up To 100, Add	*0.55*	
		For >100 To 500, Add	*0.28*	
		For >5,000, Deduct	*-0.11*	
09 22 36 13-0007	SF	5/8" Plaster Base Gypsum Panel, Installed On Ceiling	1.99	0.63
		For Ceilings >10' High, Add	*0.19*	
		For Up To 100, Add	*0.63*	
		For >100 To 500, Add	*0.32*	
		For >5,000, Deduct	*-0.13*	
09 22 36 13-0008	SF	3/8" Plaster Base Gypsum Panel, Installed On Columns And Beams	1.50	0.61
		For Columns And Beams >10' High, Add	*0.18*	
		For Up To 100, Add	*0.62*	
		For >100 To 500, Add	*0.31*	
		For >5,000, Deduct	*-0.12*	
09 22 36 13-0009	SF	1/2" Plaster Base Gypsum Panel, Installed On Columns And Beams	1.92	0.70
		For Columns And Beams >10' High, Add	*0.21*	
		For Up To 100, Add	*0.71*	
		For >100 To 500, Add	*0.36*	
		For >5,000, Deduct	*-0.14*	
09 22 36 13-0010	SF	5/8" Plaster Base Gypsum Panel, Installed On Columns And Beams	2.35	0.81
		For Columns And Beams >10' High, Add	*0.24*	
		For Up To 100, Add	*0.81*	
		For >100 To 500, Add	*0.41*	
		For >5,000, Deduct	*-0.16*	

09 22 36 13-0011 Firestop Plaster Base Gypsum Panel *(09 22 36 13)*

09 22 36 13-0012	SF	3/8" Firestop Plaster Base Gypsum Panel, Installed On Studs Or Furred Walls	1.28	0.34
		For Walls >10' High, Add	*0.09*	
		For Up To 100, Add	*0.34*	
		For >100 To 500, Add	*0.17*	
		For >5,000, Deduct	*-0.07*	
09 22 36 13-0013	SF	1/2" Firestop Plaster Base Gypsum Panel, Installed On Studs Or Furred Walls	1.48	0.39
		For Walls >10' High, Add	*0.10*	
		For Up To 100, Add	*0.39*	
		For >100 To 500, Add	*0.20*	
		For >5,000, Deduct	*-0.08*	
09 22 36 13-0014	SF	3/8" Firestop Plaster Base Gypsum Panel, Installed On Ceiling	1.56	0.47
		For Ceilings >10' High, Add	*0.14*	
		For Up To 100, Add	*0.48*	
		For >100 To 500, Add	*0.24*	
		For >5,000, Deduct	*-0.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 13-0015	SF	1/2" Firestop Plaster Base Gypsum Panel, Installed On Ceiling	1.80	0.55
		For Ceilings >10' High, Add	*0.17*	
		For Up To 100, Add	*0.55*	
		For >100 To 500, Add	*0.28*	
		For >5,000, Deduct	*-0.11*	
09 22 36 13-0016	SF	3/8" Firestop Plaster Base Gypsum Panel, Installed On Columns And Beams	1.83	0.61
		For Columns And Beams >10' High, Add	*0.18*	
		For Up To 100, Add	*0.62*	
		For >100 To 500, Add	*0.31*	
		For >5,000, Deduct	*-0.12*	
09 22 36 13-0017	SF	1/2" Firestop Plaster Base Gypsum Panel, Installed On Columns And Beams	2.12	0.70
		For Columns And Beams >10' High, Add	*0.21*	
		For Up To 100, Add	*0.71*	
		For >100 To 500, Add	*0.36*	
		For >5,000, Deduct	*-0.14*	
09 22 36 13-0018		Foil Back Plaster Base Gypsum Panel *(09 22 36 13)*		
09 22 36 13-0019	SF	3/8" Foil Back Plaster Base Gypsum Panel, Installed On Studs Or Furred Walls	1.28	0.34
		For Walls >10' High, Add	*0.09*	
		For Up To 100, Add	*0.34*	
		For >100 To 500, Add	*0.17*	
		For >5,000, Deduct	*-0.07*	
09 22 36 13-0020	SF	1/2" Foil Back Plaster Base Gypsum Panel, Installed On Studs Or Furred Walls	1.48	0.39
		For Walls >10' High, Add	*0.10*	
		For Up To 100, Add	*0.39*	
		For >100 To 500, Add	*0.20*	
		For >5,000, Deduct	*-0.08*	
09 22 36 13-0021	SF	3/8" Foil Back Plaster Base Gypsum Panel, Installed On Ceiling	1.56	0.47
		For Ceilings >10' High, Add	*0.14*	
		For Up To 100, Add	*0.48*	
		For >100 To 500, Add	*0.24*	
		For >5,000, Deduct	*-0.10*	
09 22 36 13-0022	SF	1/2" Foil Back Plaster Base Gypsum Panel, Installed On Ceiling	1.80	0.55
		For Ceilings >10' High, Add	*0.17*	
		For Up To 100, Add	*0.55*	
		For >100 To 500, Add	*0.28*	
		For >5,000, Deduct	*-0.11*	
09 22 36 13-0023	SF	3/8" Foil Back Plaster Base Gypsum Panel, Installed On Columns And Beams	1.83	0.61
		For Columns And Beams >10' High, Add	*0.18*	
		For Up To 100, Add	*0.62*	
		For >100 To 500, Add	*0.31*	
		For >5,000, Deduct	*-0.12*	
09 22 36 13-0024	SF	1/2" Foil Back Plaster Base Gypsum Panel, Installed On Columns And Beams	2.12	0.70
		For Columns And Beams >10' High, Add	*0.21*	
		For Up To 100, Add	*0.71*	
		For >100 To 500, Add	*0.36*	
		For >5,000, Deduct	*-0.14*	
09 22 36 23		**Metal Lath** *(09 22 36)*		
09 22 36 23-0001		Flat Diamond, Expanded Metal Lath *(09 22 36 23)*		
09 22 36 23-0002	SF	1.75 LB/SY, Flat Diamond, Expanded Metal Lath, Installed On Studs Or Furred Walls	1.53	0.47
		For Walls >10' High, Add	*0.13*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.53*	
		For >100 To 500, Add	*0.26*	
		For >5,000, Deduct	*-0.11*	
09 22 36 23-0003	SF	2.0 LB/SY, Flat Diamond, Expanded Metal Lath, Installed On Studs Or Furred Walls	1.60	0.47
		For Walls >10' High, Add	*0.13*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.53*	
		For >100 To 500, Add	*0.26*	
		For >5,000, Deduct	*-0.11*	
09 22 36 23-0004	SF	2.5 LB/SY, Flat Diamond, Expanded Metal Lath, Installed On Studs Or Furred Walls	1.66	0.47
		For Walls >10' High, Add	*0.13*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.53*	
		For >100 To 500, Add	*0.26*	
		For >5,000, Deduct	*-0.11*	
09 22 36 23-0005	SF	3.4 LB/SY, Flat Diamond, Expanded Metal Lath, Installed On Studs Or Furred Walls	1.90	0.50
		For Walls >10' High, Add	*0.14*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.56*	
		For >100 To 500, Add	*0.28*	
		For >5,000, Deduct	*-0.11*	
09 22 36 23-0006	SF	1.75 LB/SY, Flat Diamond, Expanded Metal Lath, Installed On Ceiling	1.68	0.53
		For Ceilings >10' High, Add	*0.18*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.60*	
		For >100 To 500, Add	*0.30*	
		For >5,000, Deduct	*-0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 23-0007	SF	2.0 LB/SY, Flat Diamond, Expanded Metal Lath, Installed On Ceiling	1.75	0.53
		For Ceilings >10' High, Add	*0.18*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.60*	
		For >100 To 500, Add	*0.30*	
		For >5,000, Deduct	*-0.12*	
09 22 36 23-0008	SF	2.5 LB/SY, Flat Diamond, Expanded Metal Lath, Installed On Ceiling	1.81	0.53
		For Ceilings >10' High, Add	*0.18*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.60*	
		For >100 To 500, Add	*0.30*	
		For >5,000, Deduct	*-0.12*	
09 22 36 23-0009	SF	3.4 LB/SY, Flat Diamond, Expanded Metal Lath, Installed On Ceiling	1.98	0.53
		For Ceilings >10' High, Add	*0.18*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.60*	
		For >100 To 500, Add	*0.30*	
		For >5,000, Deduct	*-0.12*	
09 22 36 23-0010	SF	1.75 LB/SY, Flat Diamond, Expanded Metal Lath, Installed On Columns And Beams	2.24	0.75
		For Columns And Beams >10' High, Add	*0.25*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.84*	
		For >100 To 500, Add	*0.42*	
		For >5,000, Deduct	*-0.17*	
09 22 36 23-0011	SF	2.0 LB/SY, Flat Diamond, Expanded Metal Lath, Installed On Columns And Beams	2.30	0.75
		For Columns And Beams >10' High, Add	*0.25*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.84*	
		For >100 To 500, Add	*0.42*	
		For >5,000, Deduct	*-0.17*	
09 22 36 23-0012	SF	2.5 LB/SY, Flat Diamond, Expanded Metal Lath, Installed On Columns And Beams	2.36	0.75
		For Columns And Beams >10' High, Add	*0.25*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.84*	
		For >100 To 500, Add	*0.42*	
		For >5,000, Deduct	*-0.17*	
09 22 36 23-0013	SF	3.4 LB/SY, Flat Diamond, Expanded Metal Lath, Installed On Columns And Beams	2.95	0.95
		For Columns And Beams >10' High, Add	*0.32*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.05*	
		For >100 To 500, Add	*0.53*	
		For >5,000, Deduct	*-0.21*	

09 22 36 23-0014 Self Furring, Flat Diamond, Expanded Metal Lath *(09 22 36 23)*

09 22 36 23-0015	SF	1.75 LB/SY, Self Furring, Flat Diamond, Expanded Metal Lath, Installed On Solid Surface	1.60	0.50
		For Walls >10' High, Add	*0.14*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.56*	
		For >100 To 500, Add	*0.28*	
		For >5,000, Deduct	*-0.11*	
09 22 36 23-0016	SF	2.0 LB/SY, Self Furring, Flat Diamond, Expanded Metal Lath, Installed On Solid Surface	1.67	0.50
		For Walls >10' High, Add	*0.14*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.56*	
		For >100 To 500, Add	*0.28*	
		For >5,000, Deduct	*-0.11*	
09 22 36 23-0017	SF	2.5 LB/SY, Self Furring, Flat Diamond, Expanded Metal Lath, Installed On Solid Surface	1.73	0.50
		For Walls >10' High, Add	*0.14*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.56*	
		For >100 To 500, Add	*0.28*	
		For >5,000, Deduct	*-0.11*	
09 22 36 23-0018	SF	3.4 LB/SY, Self Furring, Flat Diamond, Expanded Metal Lath, Installed On Solid Surface	1.90	0.50
		For Walls >10' High, Add	*0.14*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.56*	
		For >100 To 500, Add	*0.28*	
		For >5,000, Deduct	*-0.11*	
09 22 36 23-0019	SF	1.75 LB/SY, Self Furring, Flat Diamond, Expanded Metal Lath, Installed On Columns And Beams	2.66	0.95
		For Columns And Beams >10' High, Add	*0.32*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.05*	
		For >100 To 500, Add	*0.53*	
		For >5,000, Deduct	*-0.21*	
09 22 36 23-0020	SF	2.0 LB/SY, Self Furring, Flat Diamond, Expanded Metal Lath, Installed On Columns And Beams	2.72	0.95
		For Columns And Beams >10' High, Add	*0.32*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.05*	
		For >100 To 500, Add	*0.53*	
		For >5,000, Deduct	*-0.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 23-0021	SF	2.5 LB/SY, Self Furring, Flat Diamond, Expanded Metal Lath, Installed On Columns And Beams	2.78	0.95
		For Columns And Beams >10' High, Add	*0.32*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.05*	
		For >100 To 500, Add	*0.53*	
		For >5,000, Deduct	*-0.21*	
09 22 36 23-0022	SF	3.4 LB/SY, Self Furring, Flat Diamond, Expanded Metal Lath, Installed On Columns And Beams	3.24	1.09
		For Columns And Beams >10' High, Add	*0.36*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.20*	
		For >100 To 500, Add	*0.60*	
		For >5,000, Deduct	*-0.24*	
09 22 36 23-0023		**High Rib Metal Lath** *(09 22 36 23)*		
09 22 36 23-0024	SF	2.75 LB/SY, 1/8" High Rib Metal Lath, Installed On Ceiling	1.87	0.53
		For Ceilings >10' High, Add	*0.18*	
		For Up To 100, Add	*0.60*	
		For >100 To 500, Add	*0.30*	
		For >5,000, Deduct	*-0.12*	
09 22 36 23-0025	SF	3.4 LB/SY, 1/8" High Rib Metal Lath, Installed On Ceiling	1.96	0.53
		For Ceilings >10' High, Add	*0.18*	
		For Up To 100, Add	*0.60*	
		For >100 To 500, Add	*0.30*	
		For >5,000, Deduct	*-0.12*	
09 22 36 23-0026	SF	3.4 LB/SY, 3/8" High Rib Metal Lath, Installed On Ceiling	2.02	0.53
		For Ceilings >10' High, Add	*0.18*	
		For Up To 100, Add	*0.60*	
		For >100 To 500, Add	*0.30*	
		For >5,000, Deduct	*-0.12*	
09 22 36 23-0027	SF	4.0 LB/SY, 3/8" High Rib Metal Lath, Installed On Ceiling	2.12	0.53
		For Ceilings >10' High, Add	*0.18*	
		For Up To 100, Add	*0.60*	
		For >100 To 500, Add	*0.30*	
		For >5,000, Deduct	*-0.12*	
09 22 36 33		**Fiberglass Lath** *(09 22 36)*		
09 22 36 33-0001		Fiberglass Non-Metallic Lath *(09 22 36 33)*		
09 22 36 33-0002	SF	1/8" Fiberglass Non Metallic Lath, Installed On Ceiling	2.01	0.53
		For Ceilings >10' High, Add	*0.18*	
		For Up To 100, Add	*0.60*	
		For >100 To 500, Add	*0.30*	
		For >5,000, Deduct	*-0.12*	
09 22 36 33-0003	SF	1/4" Fiberglass Non Metallic Lath, Installed On Ceiling	2.13	0.53
		For Ceilings >10' High, Add	*0.18*	
		For Up To 100, Add	*0.60*	
		For >100 To 500, Add	*0.30*	
		For >5,000, Deduct	*-0.12*	
09 22 36 33-0004	SF	1/8" Fiberglass Non Metallic Lath, Installed On Solid Surface	1.93	0.50
		For Walls >10' High, Add	*0.14*	
		For Up To 100, Add	*0.56*	
		For >100 To 500, Add	*0.28*	
		For >5,000, Deduct	*-0.11*	
09 22 36 33-0005	SF	1/4" Fiberglass Non Metallic Lath, Installed On Solid Surface	2.05	0.50
		For Walls >10' High, Add	*0.14*	
		For Up To 100, Add	*0.56*	
		For >100 To 500, Add	*0.28*	
		For >5,000, Deduct	*-0.11*	
09 23		**Gypsum Plastering** *(09 20)*		
09 23 13		**Acoustical Gypsum Plastering** *(09 23)*		
		Note: All plastering excludes lath, furring or studs except as noted. See CSI section 09 22 00 00-0000 for metal studs and furring.		
09 23 13 00-0001		Casing And Corner Beads *(09 23 13)*		
09 23 13 00-0002	LF	Galvanized Expanded Flange Casing Bead Note: Used for interior installations.	3.05	0.75
09 23 13 00-0003	LF	Zinc Expanded Flange Casing Bead Note: Used for exterior installations.	3.06	0.75
09 23 13 00-0004	LF	Vinyl Expanded Flange Casing Bead	3.35	0.75
09 23 13 00-0005	LF	Galvanized Corner Bead	2.96	0.75
09 23 13 00-0006	LF	Vinyl Corner Bead	3.03	0.75
09 23 13 00-0007		Trim *(09 23 13)*		
09 23 13 00-0008	LF	"J" Trim, Galvanized Steel	3.17	0.75
		For Vinyl Instead Of Galvanized, Add	*0.14*	
		For Zinc Instead Of Galvanized, Add	*0.91*	
09 23 13 00-0009	LF	"L" Trim, Galvanized Steel	3.17	0.75
		For Vinyl Instead Of Galvanized, Add	*0.14*	
		For Zinc Instead Of Galvanized, Add	*0.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 23 13 00-0010	LF	"U" Trim, Galvanized Steel	3.17	0.75
		For Vinyl Instead Of Galvanized, Add	*0.14*	
		For Zinc Instead Of Galvanized, Add	*0.91*	
09 23 13 00-0011		**Plaster Forms And Expansion Joints** *(09 23 13)*		
09 23 13 00-0012	SF	1" Architectural Foam Forms To Cover With Plaster	3.56	
09 23 13 00-0013	LF	3/4" Galvanized Expansion Joint	3.51	0.75
		Note: For plastering applications.		
09 23 13 00-0014		**One Skim Coat Gypsum Plaster On Walls** *(09 23 13)*		
09 23 13 00-0015	SF	Skim Coat One Coat Gypsum Plaster On Walls	0.94	
		For Walls >10' High, Add	*0.07*	
		For Horizontal Installation Up To 10' High, Add	*0.11*	
		For Horizontal Installation >10' High, Add	*0.22*	
		For Columns Or Beams Up To 10' High, Add	*0.22*	
		For Columns Or Beams >10' High, Add	*0.33*	
		For <100, Add	*0.36*	
		For >100 To 500, Add	*0.18*	
		For >5,000, Deduct	*-0.14*	
09 23 13 00-0016	SF	For Each Additional Coat Over One, Skim Coat Gypsum Plaster On Walls	0.68	
		For Walls >10' High, Add	*0.05*	
		For Horizontal Installation Up To 10' High, Add	*0.08*	
		For Horizontal Installation >10' High, Add	*0.16*	
		For Columns Or Beams Up To 10' High, Add	*0.16*	
		For Columns Or Beams >10' High, Add	*0.24*	
		For <100, Add	*0.26*	
		For >100 To 500, Add	*0.13*	
		For >5,000, Deduct	*-0.10*	
09 23 13 00-0017		**Two Coats Gypsum Plaster On Walls** *(09 23 13)*		
09 23 13 00-0018	SF	Smooth Finish Two Coats Gypsum Plaster On Walls	4.36	2.40
		For Walls >10' High, Add	*0.40*	
		For Horizontal Installation Up To 10' High, Add	*0.59*	
		For Horizontal Installation >10' High, Add	*1.19*	
		For Columns Or Beams Up To 10' High, Add	*1.23*	
		For Columns Or Beams >10' High, Add	*1.82*	
		For <100, Add	*1.98*	
		For >100 To 500, Add	*0.99*	
		For >5,000, Deduct	*-0.79*	
09 23 13 00-0019	SF	Sand Aggregate Two Coats Gypsum Plaster On Walls	4.48	2.28
		For Walls >10' High, Add	*0.37*	
		For Horizontal Installation Up To 10' High, Add	*0.56*	
		For Horizontal Installation >10' High, Add	*1.12*	
		For Columns Or Beams Up To 10' High, Add	*1.15*	
		For Columns Or Beams >10' High, Add	*1.71*	
		For <100, Add	*1.86*	
		For >100 To 500, Add	*0.93*	
		For >5,000, Deduct	*-0.74*	
09 23 13 00-0020	SF	Perlite Or Vermiculite Two Coats Gypsum Plaster On Walls	4.77	2.28
		For Walls >10' High, Add	*0.37*	
		For Horizontal Installation Up To 10' High, Add	*0.56*	
		For Horizontal Installation >10' High, Add	*1.12*	
		For Columns Or Beams Up To 10' High, Add	*1.15*	
		For Columns Or Beams >10' High, Add	*1.71*	
		For <100, Add	*1.86*	
		For >100 To 500, Add	*0.93*	
		For >5,000, Deduct	*-0.74*	
09 23 13 00-0021		**Three Coats Gypsum Plaster On Walls** *(09 23 13)*		
09 23 13 00-0022	SF	Smooth Finish Three Coats Gypsum Plaster On Walls	5.32	2.93
		For Walls >10' High, Add	*0.47*	
		For Horizontal Installation Up To 10' High, Add	*0.71*	
		For Horizontal Installation >10' High, Add	*1.42*	
		For Columns Or Beams Up To 10' High, Add	*1.47*	
		For Columns Or Beams >10' High, Add	*2.18*	
		For <100, Add	*2.37*	
		For >100 To 500, Add	*1.19*	
		For >5,000, Deduct	*-0.95*	
09 23 13 00-0023	SF	Sand Aggregate Three Coats Gypsum Plaster On Walls	5.34	2.67
		For Walls >10' High, Add	*0.44*	
		For Horizontal Installation Up To 10' High, Add	*0.66*	
		For Horizontal Installation >10' High, Add	*1.32*	
		For Columns Or Beams Up To 10' High, Add	*1.36*	
		For Columns Or Beams >10' High, Add	*2.02*	
		For <100, Add	*2.20*	
		For >100 To 500, Add	*1.10*	
		For >5,000, Deduct	*-0.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 23 13 00-0024	SF	Perlite Or Vermiculite Three Coats Gypsum Plaster On Walls	5.04	2.67
		For Walls >10' High, Add	*0.44*	
		For Horizontal Installation Up To 10' High, Add	*0.66*	
		For Horizontal Installation >10' High, Add	*1.31*	
		For Columns Or Beams Up To 10' High, Add	*1.36*	
		For Columns Or Beams >10' High, Add	*2.01*	
		For <100, Add	*2.19*	
		For >100 To 500, Add	*1.10*	
		For >5,000, Deduct	*-0.88*	
09 23 13 00-0025		Keene's Cement Plaster, Quick Setting, White Hard Plaster *(09 23 13)*		
		Note: Used for areas with higher than normal moisture.		
09 23 13 00-0026	SF	1 Coat Keene's Cement Plaster On Walls	3.36	1.62
		For Walls >10' High, Add	*0.26*	
		For Horizontal Installation Up To 10' High, Add	*0.39*	
		For Horizontal Installation >10' High, Add	*0.78*	
		For Columns Or Beams Up To 10' High, Add	*0.81*	
		For Columns Or Beams >10' High, Add	*1.20*	
		For <100, Add	*1.31*	
		For >100 To 500, Add	*0.65*	
		For >5,000, Deduct	*-0.52*	
09 23 13 00-0027	SF	2 Coat Keene's Cement Plaster On Walls	5.08	2.53
		For Walls >10' High, Add	*0.41*	
		For Horizontal Installation Up To 10' High, Add	*0.62*	
		For Horizontal Installation >10' High, Add	*1.24*	
		For Columns Or Beams Up To 10' High, Add	*1.28*	
		For Columns Or Beams >10' High, Add	*1.90*	
		For <100, Add	*2.07*	
		For >100 To 500, Add	*1.03*	
		For >5,000, Deduct	*-0.83*	
09 23 13 00-0028	SF	3 Coat Keene's Cement Plaster On Walls	5.74	2.86
		For Walls >10' High, Add	*0.47*	
		For Horizontal Installation Up To 10' High, Add	*0.70*	
		For Horizontal Installation >10' High, Add	*1.40*	
		For Columns Or Beams Up To 10' High, Add	*1.44*	
		For Columns Or Beams >10' High, Add	*2.14*	
		For <100, Add	*2.33*	
		For >100 To 500, Add	*1.17*	
		For >5,000, Deduct	*-0.93*	
09 23 13 00-0029		Plaster Bonding Agent *(09 23 13)*		
09 23 13 00-0030	SF	1 Coat, Brush/Roller Plaster Bonding Agent	0.48	
		For Walls >10' High, Add	*0.04*	
		For Columns Or Beams Up To 10' High, Add	*0.11*	
		For Columns Or Beams >10' High, Add	*0.17*	
		For Ceiling Application Up To 10' High, Add	*0.05*	
		For Ceiling Application >10' High, Add	*0.09*	

09 24 Cement Plastering *(09 20)*

09 24 23 Cement Stucco *(09 24)*

Note: Packaged product reinforced with fibers. All plastering excludes lath, furring or studs except as noted. See CSI section 09 22 00 00-0000 for metal studs and furring.

09 24 23 00-0001		Stucco *(09 24 23)*		
		Note: Excludes wall scaffolding or lifting equipment. See CSI section 09 22 36 00-0000 for lath.		
09 24 23 00-0002	SF	Three Coat Troweled Stucco, Scratch/Brown/Finish	6.32	2.02
		Note: Excludes lath and felt. Interior or exterior, one side.		
		For Walls >10' High, Add	*0.55*	
		For Horizontal Installation Up To 10' High, Add	*0.83*	
		For Horizontal Installation >10' High, Add	*1.65*	
		For Columns Or Beams Up To 10' High, Add	*1.71*	
		For Columns Or Beams >10' High, Add	*2.53*	
		For Color Added To Finish Coat, Add	*0.15*	
		For Smooth Float Finish, Add	*1.16*	
		For <100, Add	*2.76*	
		For >100 To 500, Add	*1.38*	
		For >5,000, Deduct	*-1.10*	
09 24 23 00-0003	SF	Two Coat Troweled Stucco, Scratch/Brown	2.73	0.97
		Note: Excludes lath and felt. Interior or exterior, one side.		
		For Walls >10' High, Add	*0.20*	
		For Horizontal Installation Up To 10' High, Add	*0.30*	
		For Horizontal Installation >10' High, Add	*0.61*	
		For Columns Or Beams Up To 10' High, Add	*0.63*	
		For Columns Or Beams >10' High, Add	*0.93*	
		For <100, Add	*1.01*	
		For >100 To 500, Add	*0.51*	
		For >5,000, Deduct	*-0.40*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 24 23 00-0004	SF	Two Coat Troweled Stucco, Scratch/Finish Note: Excludes lath and felt. Interior or exterior, one side.	4.17	0.97
		For Walls >10' High, Add	*0.36*	
		For Horizontal Installation Up To 10' High, Add	*0.54*	
		For Horizontal Installation >10' High, Add	*1.07*	
		For Columns Or Beams Up To 10' High, Add	*1.11*	
		For Columns Or Beams >10' High, Add	*1.65*	
		For Color Added To Finish Coat, Add	*0.15*	
		For Smooth Float Finish, Add	*0.98*	
		For <100, Add	*1.79*	
		For >100 To 500, Add	*0.90*	
		For >5,000, Deduct	*-0.72*	
09 24 23 00-0005	SF	Finish Coat Troweled Stucco Note: Excludes lath and felt. Interior or exterior, one side.	2.71	0.65
		For Walls >10' High, Add	*0.26*	
		For Horizontal Installation Up To 10' High, Add	*0.39*	
		For Horizontal Installation >10' High, Add	*0.78*	
		For Columns Or Beams Up To 10' High, Add	*0.81*	
		For Columns Or Beams >10' High, Add	*1.20*	
		For Color Added To Finish Coat, Add	*0.15*	
		For Smooth Float Finish, Add	*0.99*	
		For <100, Add	*1.31*	
		For >100 To 500, Add	*0.65*	
		For >5,000, Deduct	*-0.52*	

09 24 33 Cement Parging *(09 24)*

09 24 33 00-0001 Cement Parging *(09 24 33)*

09 24 33 00-0002	SF	1/8" Thick Sand And Cement Parging	2.75
09 24 33 00-0003	SF	1/4" Thick Sand And Cement Parging	3.51
09 24 33 00-0004	SF	1/2" Thick Sand And Cement Parging	4.37

09 28 Backing Boards And Underlayments *(09 20)*

09 28 13 Cementitious Backing Boards *(09 28)*

09 28 13 00-0001 Cementitious Backer Units *(09 28 13)*

Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.

09 28 13 00-0002	SF	1/4" Cementitious Backer Units For Installation On Floors	2.73	0.49
		For Up To 50, Add	*2.15*	
		For >50 To 250, Add	*0.39*	
		For >1,000, Deduct	*-0.20*	
		For Installation On Wall, Add	*0.39*	
		For Installation On Ceiling, Add	*0.98*	
09 28 13 00-0003	SF	1/2" Cementitious Backer Units For Installation On Floors	3.14	0.58
		For Up To 50, Add	*2.55*	
		For >50 To 250, Add	*0.47*	
		For >1,000, Deduct	*-0.24*	
		For Installation On Wall, Add	*0.47*	
		For Installation On Ceiling, Add	*1.18*	
09 28 13 00-0004	SF	5/8" Cementitious Backer Units For Installation On Floors	3.85	0.68
		For Up To 50, Add	*3.02*	
		For >50 To 250, Add	*0.55*	
		For >1,000, Deduct	*-0.27*	
		For Installation On Wall, Add	*0.55*	
		For Installation On Ceiling, Add	*1.37*	

09 28 16 Glass-Mat Faced Gypsum Backing Boards *(09 28)*

09 28 16 00-0001 Glass Mat Faced Backer Units, DensSheild *(09 28 16)*

Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.

09 28 16 00-0002	SF	1/2" DensShield Tile Backer For Installation On Floors	2.13	0.54
		For Up To 50, Add	*1.59*	
		For >50 To 250, Add	*0.28*	
		For >1,000, Deduct	*-0.14*	
		For Installation On Wall, Add	*0.28*	
		For Installation On Ceiling, Add	*0.71*	
09 28 16 00-0003	SF	5/8" DensShield Tile Backer For Installation On Floors	2.93	0.62
		For Up To 50, Add	*1.91*	
		For >50 To 250, Add	*0.31*	
		For >1,000, Deduct	*-0.16*	
		For Installation On Wall, Add	*0.31*	
		For Installation On Ceiling, Add	*0.79*	

09 28 23 Bullet Resistant Fiberglass Board *(09 28)*

09 28 23 00-0001 Laminated Bullet Resistant Fiberglass Panel *(09 28 23)*

Note: Material consisting of multiple layers of woven roving ballistic grade fiberglass cloth impregnated with a thermoset polyester resin and compressed into rigid flat sheets.

09 28 23 00-0002	SF	1/8" Thick Ballistic Resistant Fiberglass Panel, 1.2 LB/SF	12.12	1.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 28 23 00-0003	SF	3/16" Thick Ballistic Resistant Fiberglass Panel, 2 LB/SF	16.25	1.19
09 28 23 00-0004	SF	1/4" Thick Ballistic Resistant Fiberglass Panel, 2.4 To 2.6 LB/SF	18.30	1.26
09 28 23 00-0005	SF	5/16" Thick Ballistic Resistant Fiberglass Panel, 3 To 3.6 LB/SF	19.49	1.34
09 28 23 00-0006	SF	7/16" Thick Ballistic Resistant Fiberglass Panel, 4 To 4.9 LB/SF	22.66	1.50
09 28 23 00-0007	SF	9/16" Thick Ballistic Resistant Fiberglass Panel, 5.5 To 6.6 LB/SF	37.67	1.82
09 28 23 00-0008	SF	1-3/16" Thick Ballistic Resistant Fiberglass Panel, 12 To 13.2 LB/SF	63.94	3.39
09 28 23 00-0009	SF	1-5/16" Thick Ballistic Resistant Fiberglass Panel, 13.4 To 14 LB/SF	77.54	3.71
09 28 23 00-0010	SF	1-7/16" Thick Ballistic Resistant Fiberglass Panel, 15.2 To 16 LB/SF	87.94	3.95

09 29 Gypsum Board *(09 20)*

09 29 00 00-0001 Standard Gypsum Board Application *(09 29)*

Note: Price includes gypsum board screwed on one face only, without finishing. Installed on walls, ceilings, beams, columns, soffits, recesses and chases, flat or curved surfaces. See CSI section 09 01 20 00-0001 for small repairs, 09 29 00 00-0054 for finishing gypsum board, 09 29 00 00-0072 for casing and corner bead, 09 91 43 00-0011 for small repairs.

09 29 00 00-0002 Standard Gypsum Board Application *(09 29 00 00-0001)*

09 29 00 00-0003	SF	1/4" Gypsum Board	0.96	0.31
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.15*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.31*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.09*	
		For Horizontal Installation Up To 10' High, Add	*0.21*	
		For Horizontal Installation >10' High, Add	*0.31*	
		For Walls >10' High, Add	*0.05*	
		For Up To 128, Add	*0.32*	
		For >128 To 320, Add	*0.19*	
09 29 00 00-0004	SF	3/8" Gypsum Board	1.04	0.35
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.16*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.35*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.10*	
		For Foil Back Board, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.24*	
		For Horizontal Installation >10' High, Add	*0.35*	
		For Walls >10' High, Add	*0.06*	
		For Up To 128, Add	*0.35*	
		For >128 To 320, Add	*0.21*	
09 29 00 00-0005	SF	1/2" Gypsum Board	1.16	0.40
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.19*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.41*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.10*	
		For Foil Back Board, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.28*	
		For Horizontal Installation >10' High, Add	*0.41*	
		For Walls >10' High, Add	*0.07*	
		For Up To 128, Add	*0.40*	
		For >128 To 320, Add	*0.24*	
09 29 00 00-0006	SF	5/8" Gypsum Board	1.36	0.46
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.22*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.47*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.11*	
		For Foil Back Board, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.32*	
		For Horizontal Installation >10' High, Add	*0.47*	
		For Walls >10' High, Add	*0.08*	
		For Up To 128, Add	*0.46*	
		For >128 To 320, Add	*0.28*	
09 29 00 00-0007	SF	1/4" Gypsum Board, Two Layers	1.81	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.27*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.57*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.12*	
		For Horizontal Installation Up To 10' High, Add	*0.38*	
		For Horizontal Installation >10' High, Add	*0.57*	
		For Walls >10' High, Add	*0.09*	
		For Up To 128, Add	*0.59*	
		For >128 To 320, Add	*0.35*	
09 29 00 00-0008	SF	3/8" Gypsum Board, Two Layers	1.95	0.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.30*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.64*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.12*	
		For Horizontal Installation Up To 10' High, Add	*0.43*	
		For Horizontal Installation >10' High, Add	*0.64*	
		For Walls >10' High, Add	*0.10*	
		For Up To 128, Add	*0.64*	
		For >128 To 320, Add	*0.39*	
09 29 00 00-0009	SF	1/2" Gypsum Board, Two Layers	2.14	0.72
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.34*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.73*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.13*	
		For Horizontal Installation Up To 10' High, Add	*0.50*	
		For Horizontal Installation >10' High, Add	*0.73*	
		For Walls >10' High, Add	*0.12*	
		For Up To 128, Add	*0.72*	
		For >128 To 320, Add	*0.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 00 00-0010	SF	5/8" Gypsum Board, Two Layers	2.52	0.84
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.39*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.84*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.14*	
		For Horizontal Installation Up To 10' High, Add	*0.57*	
		For Horizontal Installation >10' High, Add	*0.84*	
		For Walls >10' High, Add	*0.13*	
		For Up To 128, Add	*0.84*	
		For >128 To 320, Add	*0.50*	
09 29 00 00-0011		Fire Rated Gypsum Board Application *(09 29 00 00-0001)*		
09 29 00 00-0012		Type X, Fire Rated Gypsum Board *(09 29 00 00-0011)*		
09 29 00 00-0013	SF	5/8" Type X Fire Rated Gypsum Board	1.44	0.46
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.24*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.52*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.11*	
		For Foil Back Board, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.35*	
		For Horizontal Installation >10' High, Add	*0.52*	
		For Walls >10' High, Add	*0.08*	
		For Up To 128, Add	*0.49*	
		For >128 To 320, Add	*0.30*	
09 29 00 00-0014	SF	5/8" Type X Fire Rated Gypsum Board, Two Layers	2.66	0.46
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.43*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.92*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.15*	
		For Horizontal Installation Up To 10' High, Add	*0.63*	
		For Horizontal Installation >10' High, Add	*0.92*	
		For Walls >10' High, Add	*0.15*	
		For Up To 128, Add	*0.90*	
		For >128 To 320, Add	*0.54*	
09 29 00 00-0015		Type C, Fire Rated Gypsum Board *(09 29 00 00-0011)*		
09 29 00 00-0016	SF	1/2" Type C Fire Rated Gypsum Board	1.33	0.40
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.21*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.45*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.11*	
		For Foil Back Board, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.31*	
		For Horizontal Installation >10' High, Add	*0.45*	
		For Walls >10' High, Add	*0.07*	
		For Up To 128, Add	*0.45*	
		For >128 To 320, Add	*0.27*	
09 29 00 00-0017	SF	5/8" Type C Fire Rated Gypsum Board	1.49	0.46
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.24*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.52*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.11*	
		For Foil Back Board, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.35*	
		For Horizontal Installation >10' High, Add	*0.52*	
		For Walls >10' High, Add	*0.08*	
		For Up To 128, Add	*0.50*	
		For >128 To 320, Add	*0.30*	
09 29 00 00-0018	SF	1/2" Type C Fire Rated Gypsum Board, Two Layers	2.46	0.40
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.38*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.80*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.14*	
		For Horizontal Installation Up To 10' High, Add	*0.54*	
		For Horizontal Installation >10' High, Add	*0.80*	
		For Walls >10' High, Add	*0.13*	
		For Up To 128, Add	*0.81*	
		For >128 To 320, Add	*0.49*	
09 29 00 00-0019	SF	5/8" Type C Fire Rated Gypsum Board, Two Layers	2.76	0.46
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.43*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.92*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.15*	
		For Horizontal Installation Up To 10' High, Add	*0.63*	
		For Horizontal Installation >10' High, Add	*0.92*	
		For Walls >10' High, Add	*0.15*	
		For Up To 128, Add	*0.92*	
		For >128 To 320, Add	*0.55*	
09 29 00 00-0020		Fire Rated Gypsum Board (Sheetrock® Ultracode®) *(09 29 00 00-0011)*		
09 29 00 00-0021	SF	3/4" Fire Rated Gypsum Board (Sheetrock® Ultracode®)	2.07	0.46
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.25*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.52*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.11*	
		For Horizontal Installation Up To 10' High, Add	*0.35*	
		For Horizontal Installation >10' High, Add	*0.52*	
		For Walls >10' High, Add	*0.08*	
		For Up To 128, Add	*0.62*	
		For >128 To 320, Add	*0.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 00 00-0022	SF	3/4" Fire Rated Gypsum Board (Sheetrock® Ultracode®), Two Layers	3.93	0.46
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.44*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.92*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.15*	
		For Horizontal Installation Up To 10' High, Add	*0.63*	
		For Horizontal Installation >10' High, Add	*0.92*	
		For Walls >10' High, Add	*0.15*	
		For Up To 128, Add	*1.15*	
		For >128 To 320, Add	*0.67*	
09 29 00 00-0023		Moisture Resistant Gypsum Board Application *(09 29 00 00-0001)*		
		Note: Water-resistant gypsum core.		
09 29 00 00-0024	SF	1/2" Moisture Resistant Gypsum Board	1.27	0.40
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.19*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.41*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.28*	
		For Horizontal Installation >10' High, Add	*0.41*	
		For Walls >10' High, Add	*0.07*	
		For Up To 128, Add	*0.42*	
		For >128 To 320, Add	*0.25*	
09 29 00 00-0025	SF	5/8" Moisture Resistant Gypsum Board	1.65	0.40
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.22*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.47*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.11*	
		For Horizontal Installation Up To 10' High, Add	*0.32*	
		For Horizontal Installation >10' High, Add	*0.47*	
		For Walls >10' High, Add	*0.08*	
		For Up To 128, Add	*0.52*	
		For >128 To 320, Add	*0.31*	
09 29 00 00-0026		Vinyl Faced Gypsum Board Application *(09 29 00 00-0001)*		
		Note: All prefinished vinyl faced panels include, screws, edge grip clips and adhesive.		
09 29 00 00-0027	SF	3/8" Prefinished, Vinyl Faced Gypsum Board	2.37	0.31
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.18*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.35*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.24*	
		For Horizontal Installation >10' High, Add	*0.35*	
		For Walls >10' High, Add	*0.06*	
		For Up To 128, Add	*0.61*	
		For >128 To 320, Add	*0.34*	
09 29 00 00-0028	SF	1/2" Prefinished, Vinyl Faced Gypsum Board	2.49	0.40
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.21*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.41*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.28*	
		For Horizontal Installation >10' High, Add	*0.41*	
		For Walls >10' High, Add	*0.07*	
		For Up To 128, Add	*0.66*	
		For >128 To 320, Add	*0.37*	
09 29 00 00-0029	SF	5/8" Prefinished, Vinyl Faced Gypsum Board	2.61	0.46
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.23*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.47*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.11*	
		For Horizontal Installation Up To 10' High, Add	*0.32*	
		For Horizontal Installation >10' High, Add	*0.47*	
		For Walls >10' High, Add	*0.08*	
		For Up To 128, Add	*0.71*	
		For >128 To 320, Add	*0.40*	
09 29 00 00-0030	SF	1/2" Fire Rated, Prefinished Vinyl Faced Gypsum Board	2.90	0.40
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.23*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.45*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.11*	
		For Horizontal Installation Up To 10' High, Add	*0.31*	
		For Horizontal Installation >10' High, Add	*0.45*	
		For Walls >10' High, Add	*0.07*	
		For Up To 128, Add	*0.76*	
		For >128 To 320, Add	*0.43*	
09 29 00 00-0031	SF	5/8" Fire Rated, Prefinished Vinyl Faced Gypsum Board	4.48	0.46
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.27*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.52*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.11*	
		For Horizontal Installation Up To 10' High, Add	*0.35*	
		For Horizontal Installation >10' High, Add	*0.52*	
		For Walls >10' High, Add	*0.08*	
		For Up To 128, Add	*1.10*	
		For >128 To 320, Add	*0.60*	
09 29 00 00-0032		Moisture And Mold Resistant Gypsum Board Application *(09 29 00 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 00 00-0033	SF	1/2", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board	1.49	0.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.20*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.41*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.10*	
		For Non-reinforced Board, Deduct	*-0.08*	
		For Horizontal Installation Up To 10' High, Add	*0.28*	
		For Horizontal Installation >10' High, Add	*0.41*	
		For Walls >10' High, Add	*0.07*	
		For Up To 128, Add	*0.46*	
		For >128 To 320, Add	*0.27*	
09 29 00 00-0034	SF	5/8", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board	1.76	0.44
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.22*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.47*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.11*	
		For Non-reinforced Board, Deduct	*-0.08*	
		For Horizontal Installation Up To 10' High, Add	*0.32*	
		For Horizontal Installation >10' High, Add	*0.47*	
		For Walls >10' High, Add	*0.08*	
		For Up To 128, Add	*0.54*	
		For >128 To 320, Add	*0.32*	
09 29 00 00-0035	SF	1/2" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board	1.77	0.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.22*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.45*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.11*	
		For Horizontal Installation Up To 10' High, Add	*0.31*	
		For Horizontal Installation >10' High, Add	*0.45*	
		For Walls >10' High, Add	*0.07*	
		For Up To 128, Add	*0.53*	
		For >128 To 320, Add	*0.31*	
09 29 00 00-0036	SF	5/8" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board	1.97	0.44
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.25*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.52*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.11*	
		For Horizontal Installation Up To 10' High, Add	*0.35*	
		For Horizontal Installation >10' High, Add	*0.52*	
		For Walls >10' High, Add	*0.08*	
		For Up To 128, Add	*0.60*	
		For >128 To 320, Add	*0.35*	

09 29 00 00-0037 Hi-Impact Gypsum Board *(09 29 00 00-0001)*

Note: Abrasion, impact and penetration resistant.

09 29 00 00-0038	SF	0.01" Polycarbonate Backed, Fire Rated, 5/8" Hi-Impact Gypsum Board	2.27	0.44
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.23*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.47*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.11*	
		For Horizontal Installation Up To 10' High, Add	*0.32*	
		For Horizontal Installation >10' High, Add	*0.47*	
		For Walls >10' High, Add	*0.07*	
		For Up To 128, Add	*0.64*	
		For >128 To 320, Add	*0.37*	
09 29 00 00-0039	SF	0.02" Polycarbonate Backed, Fire Rated, 5/8" Hi-Impact Gypsum Board	2.66	0.44
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.23*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.47*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.11*	
		For Horizontal Installation Up To 10' High, Add	*0.32*	
		For Horizontal Installation >10' High, Add	*0.47*	
		For Walls >10' High, Add	*0.07*	
		For Up To 128, Add	*0.72*	
		For >128 To 320, Add	*0.41*	
09 29 00 00-0040	SF	0.03" Polycarbonate Backed, Fire Rated, 5/8" Hi-Impact Gypsum Board	3.05	0.44
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.24*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.47*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.11*	
		For Horizontal Installation Up To 10' High, Add	*0.32*	
		For Horizontal Installation >10' High, Add	*0.47*	
		For Walls >10' High, Add	*0.07*	
		For Up To 128, Add	*0.80*	
		For >128 To 320, Add	*0.44*	
09 29 00 00-0041	SF	0.08" Polycarbonate Backed, Fire Rated, 5/8" Hi-Impact Gypsum Board	5.40	0.44
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.26*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.47*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.11*	
		For Horizontal Installation Up To 10' High, Add	*0.32*	
		For Horizontal Installation >10' High, Add	*0.47*	
		For Walls >10' High, Add	*0.07*	
		For Up To 128, Add	*1.27*	
		For >128 To 320, Add	*0.68*	

09 29 00 00-0042 Hi-Abuse Gypsum Board *(09 29 00 00-0001)*

Note: Surface indentation, impact, abrasion and moisture/mold/mildew resistant.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 00 00-0043	SF	5/8" Fire Rated, Hi-Abuse Gypsum Board	1.81	0.44
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.22*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.47*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.11*	
		For Horizontal Installation Up To 10' High, Add	*0.32*	
		For Horizontal Installation >10' High, Add	*0.47*	
		For Walls >10' High, Add	*0.07*	
		For Up To 128, Add	*0.55*	
		For >128 To 320, Add	*0.32*	
09 29 00 00-0044		**Soundproof Gypsum Board** *(09 29 00 00-0001)*		
		Note: Minimum STC rating for 1/2" board is 49 and 5/8" board is 51.		
09 29 00 00-0045	SF	1/2" Soundproof Gypsum Board	3.50	0.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.24*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.47*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.11*	
		For Horizontal Installation Up To 10' High, Add	*0.32*	
		For Horizontal Installation >10' High, Add	*0.47*	
		For Walls >10' High, Add	*0.08*	
		For Up To 128, Add	*0.89*	
		For >128 To 320, Add	*0.49*	
09 29 00 00-0046	SF	5/8" Soundproof Gypsum Board	4.28	0.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.25*	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.47*	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	*0.11*	
		For Horizontal Installation Up To 10' High, Add	*0.32*	
		For Horizontal Installation >10' High, Add	*0.47*	
		For Walls >10' High, Add	*0.08*	
		For Up To 128, Add	*1.04*	
		For >128 To 320, Add	*0.57*	
09 29 00 00-0047		**Shaft Wall** *(09 29)*		
		See CSI section 09 29 00 00-0054 for finishing drywall.		
09 29 00 00-0048	SF	3/4" Fire Rated Shaft Wall Assembly	5.02	1.96
		Note: 1/4" thick fiber-cement board with tapered edges over 1/2" thick type "X" gypsum board. Excludes studs or wall structure.		
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*1.96*	
		For Horizontal Installation Up To 10' High, Add	*1.33*	
		For Horizontal Installation >10' High, Add	*1.96*	
		For Walls >10' High, Add	*0.31*	
		For Up To 128, Add	*1.79*	
		For >128 To 320, Add	*1.09*	
09 29 00 00-0049	SF	7/8" Fire Rated Shaft Wall Assembly	5.83	2.35
		Note: 1/4" thick fiber-cement board with tapered edges over 5/8" thick type "X" gypsum board. Excludes studs or wall structure.		
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*2.35*	
		For Horizontal Installation Up To 10' High, Add	*1.60*	
		For Horizontal Installation >10' High, Add	*2.35*	
		For Walls >10' High, Add	*0.38*	
		For Up To 128, Add	*2.11*	
		For >128 To 320, Add	*1.29*	
09 29 00 00-0050	SF	2-1/2", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly	5.08	1.51
		Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.		
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*1.51*	
		For Horizontal Installation Up To 10' High, Add	*1.03*	
		For Horizontal Installation >10' High, Add	*1.51*	
		For Walls >10' High, Add	*0.24*	
		For Up To 128, Add	*1.62*	
		For >128 To 320, Add	*0.96*	
		For Glass Mat Surfaces, Add	*0.24*	
09 29 00 00-0051	SF	4", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly	5.39	1.58
		Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.		
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*1.58*	
		For Horizontal Installation Up To 10' High, Add	*1.07*	
		For Horizontal Installation >10' High, Add	*1.58*	
		For Walls >10' High, Add	*0.25*	
		For Up To 128, Add	*1.71*	
		For >128 To 320, Add	*1.01*	
		For Glass Mat Surfaces, Add	*0.24*	
09 29 00 00-0052	SF	2-1/2", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly	5.84	1.58
		Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.		
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*1.58*	
		For Horizontal Installation Up To 10' High, Add	*1.07*	
		For Horizontal Installation >10' High, Add	*1.58*	
		For Walls >10' High, Add	*0.25*	
		For Up To 128, Add	*1.80*	
		For >128 To 320, Add	*1.06*	
		For Glass Mat Surfaces, Add	*0.24*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 00 00-0053	SF	4", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly	6.18	1.66
		Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.		
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*1.66*	
		For Horizontal Installation Up To 10' High, Add	*1.13*	
		For Horizontal Installation >10' High, Add	*1.66*	
		For Walls >10' High, Add	*0.27*	
		For Up To 128, Add	*1.90*	
		For >128 To 320, Add	*1.12*	
		For Glass Mat Surfaces, Add	*0.24*	

09 29 00 00-0054 Finishing Gypsum Board Applications *(09 29)*

Note: Includes flat or curved walls, columns, soffits, recesses, and chases. Tape, spackle, sand and finish gypsum board to the appropriate level as defined by ASTM C 840. No taping or finishing is required for Level 0. For Level 1, tape is set in compound at joints and interior angles. Ridges and tool marks are acceptable. For Level 2, tape is set in compound and wiped with a joint knife leaving a thin coating of compound over joints, interior angles, fastener heads, and beads. Ridges and tool marks are acceptable. Compound applied over the body of the tape at the time of the tape is set satisfies the conditions for this level. For Level 3, tape is set in compound and one additional coat of compound is applied over all joints and interior angles. Fastener heads and accessories receive two separate coats of joint compound. Ridges and tool marks are not acceptable. For Level 4, tape is set in compound and two separate coats of compound are applied over all flat joints with one separate coat of compound applied over interior angles. Fastener heads and accessories receive three separate coats of compound. Ridges and tool marks are not acceptable. A Level 5 finish is a Level 4 finish plus a thin skim coat of compound applied to the entire drywall surface. All levels of finish require that the surface be free of excess compound. A single modifier may be used to change the level of finish to the appropriate level.

09 29 00 00-0055 Finish Gypsum Board Walls, ASTM C840 Level 4 *(09 29 00 00-0054)*

09 29 00 00-0056	SF	Up To 10' High, Walls, Tape, Spackle And Finish Gypsum Board	0.56
		For Up To 128, Add	*0.21*
		For >128 To 320, Add	*0.13*
		For ASTM C840 Level 1 Finish, Deduct	*-0.27*
		For ASTM C840 Level 2 Finish, Deduct	*-0.13*
		For ASTM C840 Level 3 Finish, Deduct	*-0.05*
		For ASTM C840 Level 5 High Quality Finish, Add	*0.41*
09 29 00 00-0057	SF	>10' High, Walls, Tape, Spackle And Finish Gypsum Board	0.75
		Note: Use this task for the entire wall area when the wall is >10' high.	
		For Up To 128, Add	*0.29*
		For >128 To 320, Add	*0.18*
		For ASTM C840 Level 1 Finish, Deduct	*-0.36*
		For ASTM C840 Level 2 Finish, Deduct	*-0.18*
		For ASTM C840 Level 3 Finish, Deduct	*-0.07*
		For ASTM C840 Level 5 High Quality Finish, Add	*0.56*

09 29 00 00-0058 Finish Gypsum Board Ceilings, ASTM C840 Level 4 *(09 29 00 00-0054)*

09 29 00 00-0059	SF	Up To 10' High, Ceilings, Tape, Spackle And Finish Gypsum Board	0.70
		For Up To 128, Add	*0.27*
		For >128 To 320, Add	*0.17*
		For ASTM C840 Level 1 Finish, Deduct	*-0.34*
		For ASTM C840 Level 2 Finish, Deduct	*-0.17*
		For ASTM C840 Level 3 Finish, Deduct	*-0.07*
		For ASTM C840 Level 5 High Quality Finish, Add	*0.52*
09 29 00 00-0060	SF	>10' High, Ceilings, Tape, Spackle And Finish Gypsum Board	0.88
		Note: Use this task for the entire wall area when the wall is >10' high.	
		For Up To 128, Add	*0.34*
		For >128 To 320, Add	*0.21*
		For ASTM C840 Level 1 Finish, Deduct	*-0.43*
		For ASTM C840 Level 2 Finish, Deduct	*-0.21*
		For ASTM C840 Level 3 Finish, Deduct	*-0.09*
		For ASTM C840 Level 5 High Quality Finish, Add	*0.65*

09 29 00 00-0061 Finish Gypsum Board Vertical Corners, ASTM C840 Level 4 *(09 29 00 00-0054)*

Note: Inside or outside gypsum board corners.

09 29 00 00-0062	LF	Up To 10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board	1.14
		For ASTM C840 Level 1 Finish, Deduct	*-0.53*
		For ASTM C840 Level 2 Finish, Deduct	*-0.27*
		For ASTM C840 Level 3 Finish, Deduct	*-0.11*
		For ASTM C840 Level 5 High Quality Finish, Add	*0.84*
09 29 00 00-0063	LF	>10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board	1.36
		Note: Use this task for the entire wall area when the wall is >10' high.	
		For ASTM C840 Level 1 Finish, Deduct	*-0.64*
		For ASTM C840 Level 2 Finish, Deduct	*-0.32*
		For ASTM C840 Level 3 Finish, Deduct	*-0.13*
		For ASTM C840 Level 5 High Quality Finish, Add	*1.00*

09 29 00 00-0064 Finish Gypsum Board Horizontal Corners, ASTM C840 Level 4 *(09 29 00 00-0054)*

Note: Inside or outside gypsum board corners.

09 29 00 00-0065	LF	Up To 10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board	1.32
		For ASTM C840 Level 1 Finish, Deduct	*-0.62*
		For ASTM C840 Level 2 Finish, Deduct	*-0.31*
		For ASTM C840 Level 3 Finish, Deduct	*-0.13*
		For ASTM C840 Level 5 High Quality Finish, Add	*0.97*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 00 00-0066	LF	>10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board Note: Use this task for the entire wall area when the wall is >10' high.	1.58	
		For ASTM C840 Level 1 Finish, Deduct	*-0.75*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.38*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.15*	
		For ASTM C840 Level 5 High Quality Finish, Add	*1.17*	
09 29 00 00-0067		**Textured Finishes For Gypsum Board** *(09 29 00 00-0054)*		
09 29 00 00-0068	SF	"Popcorn" Spray Applied, Finish On Existing Gypsum Board Ceiling	0.30	
09 29 00 00-0069	SF	Textured Finish On Existing Gypsum Board Ceiling Note: For non spray applied textures.	0.60	
09 29 00 00-0070	SF	Spray Applied Orange Peel Finish On Existing Gypsum Board Wall	0.29	
09 29 00 00-0071	SF	Spray Applied Knockdown Or Skip Trowel Finish On Existing Gypsum Board Wall	0.37	
09 29 00 00-0072		**Casing And Corner Beads** *(09 29)*		
09 29 00 00-0073	LF	Casing, J-Bead For Gypsum Board	2.81	0.78
09 29 00 00-0074	LF	Corner Bead, Galvanized Metal For Gypsum Board	2.70	0.78
09 29 00 00-0075		**Architectural Forms** *(09 29)*		
09 29 00 00-0076	SF	1" Architectural Foam Forms For Gypsum Board Cover	3.51	
09 29 00 00-0077		**Preformed Architectural Profiles** *(09 29)*		
09 29 00 00-0078		**Trim Reveals** *(09 29 00 00-0077)*		
09 29 00 00-0079	LF	1/8" x 1/2" Aluminum Extrusions, Trim Reveal, Single Fin	2.71	0.95
09 29 00 00-0080	LF	1/4" x 1/2" Aluminum Extrusions, Trim Reveal, Single Fin	2.72	0.95
09 29 00 00-0081	LF	3/8" x 1/2" Aluminum Extrusions, Trim Reveal, Single Fin	2.77	0.95
09 29 00 00-0082	LF	1/2" x 1/2" Aluminum Extrusions, Trim Reveal, Single Fin	2.80	0.95
09 29 00 00-0083	LF	5/8" x 1/2" Aluminum Extrusions, Trim Reveal, Single Fin	2.86	0.95
09 29 00 00-0084	LF	3/4" x 1/2" Aluminum Extrusions, Trim Reveal, Single Fin	2.93	0.95
09 29 00 00-0085	LF	1" x 1/2" Aluminum Extrusions, Trim Reveal, Single Fin	2.99	0.95
09 29 00 00-0086	LF	1-1/2" x 1/2" Aluminum Extrusions, Trim Reveal, Single Fin	3.20	0.95
09 29 00 00-0087	LF	2" x 1/2" Aluminum Extrusions, Trim Reveal, Single Fin	3.40	0.95
09 29 00 00-0088	LF	1/8" x 5/8" Aluminum Extrusions, Trim Reveal, Single Fin	2.84	1.02
09 29 00 00-0089	LF	1/4" x 5/8" Aluminum Extrusions, Trim Reveal, Single Fin	2.84	1.02
09 29 00 00-0090	LF	3/8" x 5/8" Aluminum Extrusions, Trim Reveal, Single Fin	2.98	1.02
09 29 00 00-0091	LF	1/2" x 5/8" Aluminum Extrusions, Trim Reveal, Single Fin	3.01	1.02
09 29 00 00-0092	LF	5/8" x 5/8" Aluminum Extrusions, Trim Reveal, Single Fin	3.10	1.02
09 29 00 00-0093	LF	3/4" x 5/8" Aluminum Extrusions, Trim Reveal, Single Fin	3.14	1.02
09 29 00 00-0094	LF	1" x 5/8" Aluminum Extrusions, Trim Reveal, Single Fin	3.19	1.02
09 29 00 00-0095	LF	1-1/2" x 5/8" Aluminum Extrusions, Trim Reveal, Single Fin	3.42	1.02
09 29 00 00-0096	LF	2" x 5/8" Aluminum Extrusions, Trim Reveal, Single Fin	3.65	1.02
09 29 00 00-0097	LF	3" x 5/8", Softforms Aluminum Extrusions, Trim Reveal	4.75	1.18
09 29 00 00-0098	LF	4" x 5/8", Softforms Aluminum Extrusions, Trim Reveal	5.13	1.18
09 29 00 00-0099		**Edge Trim** *(09 29 00 00-0077)*		
09 29 00 00-0100	LF	1/2" Aluminum Extrusions, Edge Trim	2.62	0.98
09 29 00 00-0101	LF	5/8" Aluminum Extrusions, Edge Trim	2.73	0.98
09 29 00 00-0102	LF	1" Aluminum Extrusions, Edge Trim	3.11	1.08
09 29 00 00-0103	LF	1-1/4" Aluminum Extrusions, Edge Trim	3.29	1.18
09 29 00 00-0104	LF	1/2" Flexible Aluminum Extrusions, Edge Trim	3.90	0.98
09 29 00 00-0105	LF	5/8" Flexible Aluminum Extrusions, Edge Trim	4.00	0.98
09 29 00 00-0106	LF	1" Flexible Aluminum Extrusions, Edge Trim	4.39	1.08
09 29 00 00-0107	LF	1-1/4" Flexible Aluminum Extrusions, Edge Trim	4.57	1.18
09 29 00 00-0108		**Bevel Trim** *(09 29 00 00-0077)*		
09 29 00 00-0109	LF	5/16" x 1/4" Aluminum Extrusions, Bevel Trim	2.73	0.98
09 29 00 00-0110	LF	5/8" x 5/8" Aluminum Extrusions, Bevel Trim	3.08	1.08
09 29 00 00-0111		**Trim/Wainscot Cap** *(09 29 00 00-0077)*		
09 29 00 00-0112	LF	1-1/2" Wide Aluminum Extrusions, Trim/Wainscot Cap, /LF	3.51	1.18
09 29 00 00-0113		**Single Fin Wall/Trim Reveals** *(09 29 00 00-0077)*		
09 29 00 00-0114	LF	1/8" x 1/2" Aluminum Extrusions, Wall Reveal, Single Fin	2.26	0.62
09 29 00 00-0115	LF	1/4" x 1/2" Aluminum Extrusions, Wall Reveal, Single Fin	2.38	0.70
09 29 00 00-0116	LF	3/8" x 1/2" Aluminum Extrusions, Wall Reveal, Single Fin	2.75	0.78
09 29 00 00-0117	LF	1/2" x 1/2" Aluminum Extrusions, Wall Reveal, Single Fin	2.95	0.87
09 29 00 00-0118	LF	5/8" x 1/2" Aluminum Extrusions, Wall/Trim Reveal, Single Fin	3.12	0.95
09 29 00 00-0119	LF	3/4" x 1/2" Aluminum Extrusions, Wall/Trim Reveal, Single Fin	3.16	0.95
09 29 00 00-0120	LF	1" x 1/2" Aluminum Extrusions, Wall/Trim Reveal, Single Fin	3.27	0.95
09 29 00 00-0121	LF	1-1/2" x 1/2" Aluminum Extrusions, Wall/Trim Reveal, Single Fin	3.49	0.95
09 29 00 00-0122	LF	2" x 1/2" Aluminum Extrusions, Wall/Trim Reveal, Single Fin	3.57	0.95

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 00 00-0123	LF	1/8" x 5/8" Aluminum Extrusions, Wall/Trim Reveal, Single Fin	3.10	1.02
09 29 00 00-0124	LF	1/4" x 5/8" Aluminum Extrusions, Wall/Trim Reveal, Single Fin	3.13	1.02
09 29 00 00-0125	LF	3/8" x 5/8" Aluminum Extrusions, Wall/Trim Reveal, Single Fin	3.27	1.02
09 29 00 00-0126	LF	1/2" x 5/8" Aluminum Extrusions, Wall/Trim Reveal, Single Fin	3.33	1.02
09 29 00 00-0127	LF	5/8" x 5/8" Aluminum Extrusions, Wall/Trim Reveal, Single Fin	3.38	1.02
09 29 00 00-0128	LF	3/4" x 5/8" Aluminum Extrusions, Wall/Trim Reveal, Single Fin	3.44	1.02
09 29 00 00-0129	LF	1" x 5/8" Aluminum Extrusions, Wall/Trim Reveal, Single Fin	3.53	1.02
09 29 00 00-0130	LF	1-1/2" x 5/8" Aluminum Extrusions, Wall/Trim Reveal, Single Fin	3.76	1.02
09 29 00 00-0131	LF	2" x 5/8" Aluminum Extrusions, Wall/Trim Reveal, Single Fin	3.96	1.02
09 29 00 00-0132	LF	3" x 5/8" Aluminum Extrusions, Wall/Trim Reveal, Single Fin	4.57	1.02
09 29 00 00-0133	LF	4" x 5/8" Aluminum Extrusions, Wall/Trim Reveal, Single Fin	5.74	1.02
09 29 00 00-0134	LF	3-1/16" x 7/16", Aluminum Extrusions, Wall Base, Single Fin	4.34	1.02
09 29 00 00-0135	LF	3-1/16" x 9/16", Aluminum Extrusions, Wall Base, Single Fin	4.44	1.02
09 29 00 00-0136	LF	4-1/16" x 7/16", Aluminum Extrusions, Wall Base, Single Fin	4.79	1.02
09 29 00 00-0137	LF	4-1/16" x 9/16", Aluminum Extrusions, Wall Base, Single Fin	4.82	1.02
09 29 00 00-0138	LF	9/16" Tall with 1/2" Reveal, Aluminum Extrusions, Wall Base with Reveal, Single Fin	5.32	1.02
09 29 00 00-0139	LF	5/8" Aluminum Extrusions, Wall/Trim Reveal Hanging Trim Reveal Hanging Track, Single Fin	4.58	1.02
09 29 00 00-0140		'V' Groove Wall Reveals *(09 29 00 00-0077)*		
09 29 00 00-0141	LF	1/4" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal	4.01	1.41
09 29 00 00-0142	LF	3/4" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal	4.63	1.57
09 29 00 00-0143	LF	1" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal	5.30	1.88
09 29 00 00-0144	LF	9/32" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal	5.54	2.03
09 29 00 00-0145		Double Fin Wall Reveals *(09 29 00 00-0077)*		
09 29 00 00-0146	LF	3/8" x 3/8" Aluminum Extrusions, Wall Reveal, Double Fin	3.32	0.95
09 29 00 00-0147	LF	1/8" x 1/2" Aluminum Extrusions, Wall Reveal, Double Fin	3.35	0.95
09 29 00 00-0148	LF	1/4" x 1/2" Aluminum Extrusions, Wall Reveal, Double Fin	3.37	0.95
09 29 00 00-0149	LF	3/8" x 1/2" Aluminum Extrusions, Wall Reveal, Double Fin	3.37	0.95
09 29 00 00-0150	LF	1/2" x 1/2" Aluminum Extrusions, Wall Reveal, Double Fin	3.49	0.95
09 29 00 00-0151	LF	5/8" x 1/2" Aluminum Extrusions, Wall Reveal, Double Fin	3.54	0.93
09 29 00 00-0152	LF	3/4" x 1/2" Aluminum Extrusions, Wall Reveal, Double Fin	3.59	0.95
09 29 00 00-0153	LF	1" x 1/2" Aluminum Extrusions, Wall Reveal, Double Fin	3.71	0.95
09 29 00 00-0154	LF	1-1/2" x 1/2" Aluminum Extrusions, Wall Reveal, Double Fin	3.90	0.95
09 29 00 00-0155	LF	2" x 1/2" Aluminum Extrusions, Wall Reveal, Double Fin	4.10	0.95
09 29 00 00-0156	LF	3/8" x 5/8" Aluminum Extrusions, Wall Reveal, Double Fin	3.55	1.02
09 29 00 00-0157	LF	1/4" x 5/8" Aluminum Extrusions, Wall Reveal, Double Fin	3.57	1.02
09 29 00 00-0158	LF	3/8" x 5/8" Aluminum Extrusions, Wall Reveal, Double Fin	3.62	1.02
09 29 00 00-0159	LF	1/2" x 5/8" Aluminum Extrusions, Wall Reveal, Double Fin	3.74	1.02
09 29 00 00-0160	LF	5/8" x 5/8" Aluminum Extrusions, Wall Reveal, Double Fin	3.79	1.02
09 29 00 00-0161	LF	3/4" x 5/8" Aluminum Extrusions, Wall Reveal, Double Fin	3.83	1.02
09 29 00 00-0162	LF	1" x 5/8" Aluminum Extrusions, Wall Reveal, Double Fin	3.96	1.02
09 29 00 00-0163	LF	1-1/2" x 5/8" Aluminum Extrusions, Wall Reveal, Double Fin	4.16	1.02
09 29 00 00-0164	LF	2" x 5/8" Aluminum Extrusions, Wall Reveal, Double Fin	4.36	1.02
09 29 00 00-0165	LF	3" x 5/8" Aluminum Extrusions, Wall Reveal, Double Fin	4.91	1.02
09 29 00 00-0166	LF	4" x 5/8" Aluminum Extrusions, Wall Reveal, Double Fin	6.06	1.02
09 29 00 00-0167	LF	1-1/2" x 1" Aluminum Extrusions, Wall Reveal, Double Fin	5.67	1.12
09 29 00 00-0168	LF	3/4" x 1 1/2" Aluminum Extrusions, Wall Reveal, Double Fin	6.56	1.36
09 29 00 00-0169	LF	1-1/2" x 1-1/2" Aluminum Extrusions, Wall Reveal, Double Fin	6.73	1.36
09 29 00 00-0170	LF	1/2", Aluminum Extrusions, Hanging Track Wall Reveal, Double Fin	5.07	0.93
09 29 00 00-0171	LF	1 3/16", Aluminum Extrusions, Hanging Track Wall Reveal, Double Fin	5.27	1.36
09 29 00 00-0172	LF	1/4" Aluminum Extrusions, Wall Covering Joiner, Double Fin	3.74	0.93
09 29 00 00-0173		Special Conditions Reveals *(09 29 00 00-0077)*		
09 29 00 00-0174		Radius Conditions *(09 29 00 00-0173)*		
09 29 00 00-0175	EA	8' Long Inside Radius Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.	31.92	
09 29 00 00-0176	EA	8' Long Outside Radius Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.	31.92	
09 29 00 00-0177	EA	8' Long Circular / Arched Radius Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.	31.92	
09 29 00 00-0178		Knee Brace Kit *(09 29 00 00-0173)*		
09 29 00 00-0179	EA	46" H, Aluminum Extrusions, Knee Brace Kit	80.86	9.79
09 29 00 00-0180		Wall Bumper Rail *(09 29 00 00-0173)*		
09 29 00 00-0181	LF	2-1/2" x 5/8", Aluminum Extrusions, Wall Bumper Rail	14.21	3.91
09 29 00 00-0182		Corners *(09 29 00 00-0077)*		
09 29 00 00-0183	LF	1/2"R, Aluminum Extrusions, Outside Corner	3.16	0.95
09 29 00 00-0184	LF	5/8"R, Aluminum Extrusions, Outside Corner	3.39	1.02
09 29 00 00-0185	LF	3/4"R, Aluminum Extrusions, Outside Corner	3.68	1.07
09 29 00 00-0186	LF	1"R, Aluminum Extrusions, Outside Corner	4.02	1.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 00 00-0187	LF	1-1/2" R, Aluminum Extrusions, Outside Corner	4.89	1.36
09 29 00 00-0188	LF	2" R, Aluminum Extrusions, Outside Corner	5.61	1.53
09 29 00 00-0189	LF	2-1/2" R, Aluminum Extrusions, Outside Corner	6.68	1.75
09 29 00 00-0190	LF	3" R, Aluminum Extrusions, Outside Corner	8.03	2.04
09 29 00 00-0191	LF	4" R, Aluminum Extrusions, Outside Corner	10.92	2.72
09 29 00 00-0192	LF	90 Degree 3/8" Aluminum Extrusions, Hi-Strength Corner	3.11	0.91
09 29 00 00-0193	LF	90 Degree 1-1/4" Aluminum Extrusions, Hi-Strength Corner	5.21	1.23
09 29 00 00-0194	LF	90 Degree 1-1/4" Aluminum Extrusions, Fabric Tuck Corner	4.15	1.23
09 29 00 00-0195	LF	90 Degree 1-1/4" Aluminum Extrusions, Corner With Vertical Reveal	6.33	1.23
09 29 00 00-0196	LF	45 Degree 2" Aluminum Extrusions, Corner	8.75	1.53
09 29 00 00-0197	LF	60 Degree 2" Aluminum Extrusions, Corner	8.47	1.53
09 29 00 00-0198	LF	3/4" Aluminum Extrusions, Chamfered Corner	3.26	1.07
09 29 00 00-0199	LF	5/8" R, Aluminum Extrusions, Corners Return	3.23	1.02
09 29 00 00-0200	LF	1/2" x 1/2" Aluminum Extrusions, Double Corner Step	3.14	0.95
09 29 00 00-0201	LF	5/8" x 5/8" Aluminum Extrusions, Double Corner Step	3.34	1.02
09 29 00 00-0202	LF	1" x 1" Aluminum Extrusions, Double Corner Step	4.19	1.12
09 29 00 00-0203	LF	1/2" x 1/2" Aluminum Extrusions, Triple Corner Step	3.64	0.95
09 29 00 00-0204	LF	5/8" x 5/8" Aluminum Extrusions, Triple Corner Step	3.88	1.02
09 29 00 00-0205	LF	1" x 1" Aluminum Extrusions, Triple Corner Step	5.23	1.12
09 29 00 00-0206	LF	1/3" x 1/2" Aluminum Extrusions, Quad Corner Step	5.43	0.95
09 29 00 00-0207	LF	3" Aluminum Extrusions, Bullnose	9.83	2.04
09 29 00 00-0208	LF	3-7/8" Aluminum Extrusions, Bullnose	10.34	2.04
09 29 00 00-0209	LF	5-3/8", Aluminum Extrusions, Bullnose	18.69	3.40
09 29 00 00-0210	LF	7-3/8", Aluminum Extrusions, Bullnose	30.06	4.82
09 29 00 00-0211	LF	3/4" R, Aluminum Extrusions, Inside Corner	3.69	1.05
09 29 00 00-0212	LF	1" R, Aluminum Extrusions, Inside Corner	4.10	1.10
09 29 00 00-0213	LF	1-1/2" R, Aluminum Extrusions, Inside Corner	4.95	1.34
09 29 00 00-0214	LF	2"R, Aluminum Extrusions, Inside Corner	5.92	1.51
09 29 00 00-0215	LF	2-1/2" R, Aluminum Extrusions, Inside Corner	7.89	1.72
09 29 00 00-0216	LF	3"R, Aluminum Extrusions, Inside Corner	8.71	2.01
09 29 00 00-0217	LF	4" R, Aluminum Extrusions, Inside Corner	10.36	2.68
09 29 00 00-0218	LF	3-5/8", Aluminum Extrusions, Aluminum Wall Caps	6.95	2.01
09 29 00 00-0219	LF	3-7/8", Aluminum Extrusions, Aluminum Wall Caps	7.02	2.01
09 29 00 00-0220	LF	4-3/4", Aluminum Extrusions, Aluminum Wall Caps	7.43	2.01
09 29 00 00-0221	LF	5", Aluminum Extrusions, Aluminum Wall Caps	7.55	2.01

09 30 Tiling *(09)*

Note: All tiles are standard grade ANSI 137.1 or higher, mounted and unmounted, cushioned or non-cushioned edge, all tile colors, all grout colors, PEI rating 1 through 4, and include patterns. Glazing shall meet ASTM C484 and C424. Mounted tiles are assembled into sheets to facilitate handling and installation. Perforated paper, fiber mesh, or other suitable bonding material applied to the front, backs or edges of the tile can be used to mount the tiles. Cushioned edge tile has facial edges with a distinct curvature that results in a slightly recessed joint. All floor, wall, ceiling, cove base and trim tile will be installed in accordance with ANSI 108.1 using these setting methods.

09 30 13 Ceramic Tiling *(09 30)*

Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

09 30 13 00-0001 Ceramic Tiling *(09 30 13)*

09 30 13 00-0002	SF	Less Than 8" x 8" Mounted Floor Tile Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.	8.32	2.11
		For Up To 50, Add	*5.24*	
		For >50 To 250, Add	*0.84*	
		For >1,000, Deduct	*-0.42*	
		For Epoxy Grout, Add	*0.91*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 13 00-0003	SF	8" x 8" And Larger Unmounted Floor Tile Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.	9.37	1.31
		For Up To 50, Add	*6.29*	
		For >50 To 250, Add	*1.05*	
		For >1,000, Deduct	*-0.53*	
		For Epoxy Grout, Add	*1.07*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 13 00-0004	SF	Mounted Floor Tile, Residential Grade Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.	6.80	2.11
		For Up To 50, Add	*4.86*	
		For >50 To 250, Add	*0.84*	
		For >1,000, Deduct	*-0.42*	
09 30 13 00-0005	SF	Less than 8" x 8" Mounted Wall Tile Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.	9.21	2.55
		For Up To 50, Add	*6.13*	
		For >50 To 250, Add	*1.02*	
		For >1,000, Deduct	*-0.51*	
		For Epoxy Grout, Add	*1.05*	
09 30 13 00-0006	SF	8" x 8" And Larger Unmounted Wall Tile Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.	10.55	1.62
		For Up To 50, Add	*7.47*	
		For >50 To 250, Add	*1.29*	
		For >1,000, Deduct	*-0.64*	
		For Epoxy Grout, Add	*1.25*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 13 00-0007	SF	Mounted Wall Tile, Residential Grade	7.69	2.55
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
		For Up To 50, Add	*5.75*	
		For >50 To 250, Add	*1.02*	
		For >1,000, Deduct	*-0.51*	
09 30 13 00-0008	SF	Less than 8" x 8" Mounted Ceiling Tile	12.94	4.43
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
		For Up To 50, Add	*9.86*	
		For >50 To 250, Add	*1.77*	
		For >1,000, Deduct	*-0.88*	
		For Chemical Resistant Epoxy Grout, Add	*1.62*	
09 30 13 00-0009	SF	8" x 8" And Larger Unmounted Ceiling Tile	14.72	2.65
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.		
		For Up To 50, Add	*11.64*	
		For >50 To 250, Add	*2.12*	
		For >1,000, Deduct	*-1.06*	
		For Chemical Resistant Epoxy Grout, Add	*1.89*	
09 30 13 00-0010	LF	4-1/4" To 4-1/2" High Glazed Porcelain, Unglazed Porcelain And Glazed Ceramic Cove Base Or Trim	11.47	1.84
		For Chemical Resistant Epoxy Grout, Add	*1.31*	

09 30 16 Quarry Tiling *(09 30)*

Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

09 30 16 00-0001	SF	Unglazed Quarry Floor Tile	7.75	1.49
		Note: With or without embedded abrasive grit.		
		For Up To 50, Add	*6.36*	
		For >50 To 250, Add	*1.18*	
		For >1,000, Deduct	*-0.59*	
		For Epoxy Grout, Add	*1.16*	
09 30 16 00-0002	SF	Glazed Quarry Floor Tile	13.50	1.49
		For Up To 50, Add	*7.79*	
		For >50 To 250, Add	*1.18*	
		For >1,000, Deduct	*-0.59*	
		For Epoxy Grout, Add	*1.16*	
09 30 16 00-0003	SF	Unglazed Quarry Wall Tile	8.93	1.75
		Note: With or without embedded abrasive grit.		
		For Up To 50, Add	*7.54*	
		For >50 To 250, Add	*1.41*	
		For >1,000, Deduct	*-0.71*	
		For Epoxy Grout, Add	*1.34*	
09 30 16 00-0004	SF	Glazed Quarry Wall Tile	14.68	1.75
		For Up To 50, Add	*8.97*	
		For >50 To 250, Add	*1.41*	
		For >1,000, Deduct	*-0.71*	
		For Epoxy Grout, Add	*1.34*	
09 30 16 00-0005	LF	6" High Unglazed Quarry Tile Cove Base Or Trim	10.69	1.95
		For Chemical Resistant Epoxy Grout, Add	*1.37*	
09 30 16 00-0006	LF	6" High Glazed Quarry Tile Cove Base Or Trim	20.12	1.95
		For Chemical Resistant Epoxy Grout, Add	*1.37*	

09 31 Thin-Set Tiling *(09 30)*

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

09 31 00 00-0001	SF	Thin Set - Latex Portland Cement Mortar	1.23	0.70
		For Up To 50, Add	*1.10*	
		For >50 To 250, Add	*0.21*	
		For >1,000, Deduct	*-0.11*	
09 31 00 00-0002	SF	Clean And Scarify Existing Tile For Installation Of New Tile Over Existing	0.67	
		For Up To 50, Add	*0.67*	
		For >50 To 250, Add	*0.13*	
		For >1,000, Deduct	*-0.07*	

09 32 Mortar-Bed Tiling *(09 30)*

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

09 32 00 00-0001	SF	3/4" Minimum Thickness Portland Cement Mortar Setting Bed	3.06	1.40
		Note: For residential floors. Includes 15# felt and wire reinforcement.		
		For Up To 50, Add	*2.35*	
		For >50 To 250, Add	*0.42*	
		For >1,000, Deduct	*-0.21*	
		For Exterior Installation (Galvanized Reinforcement), Add	*0.15*	
09 32 00 00-0002	SF	1-1/4" Minimum Thickness Portland Cement Mortar Setting Bed	4.37	1.87
		Note: For commercial floors. Includes 15# felt and wire reinforcement.		
		For Up To 50, Add	*3.19*	
		For >50 To 250, Add	*0.56*	
		For >1,000, Deduct	*-0.28*	
		For Exterior Installation (Galvanized Reinforcement), Add	*0.15*	
09 32 00 00-0003	SF	3/4" Portland Cement Plaster Scratch Coat for Walls	9.65	4.21
		Note: Includes 15# felt and expanded metal lath.		
		For Up To 50, Add	*8.72*	
		For >50 To 250, Add	*1.68*	
		For >1,000, Deduct	*-0.84*	
		For Exterior Installation (Galvanized Reinforcement), Add	*0.15*	
		For Installation Without Felt And Metal Lath, Deduct	*-1.81*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 34	**Waterproofing-Membrane Tiling** *(09 30)*				
	09 34 00 00-0001		**Bonded Waterproofing System for Tiled Showers, Steam Showers, and Bathtub Surrounds** *(09 34)*		
	09 34 00 00-0002		**Prefabricated Assemblies For Tiled Showers (Schluter® KERDI Shower ST)** *(09 34 00 00-0001)*		
			Note: For creating a watertight sloped shower assembly without a mortar bed. Includes a prefabricated polystyrene foam shower tray, 6" x 4-1/2" prefabricated polystyrene foam shower curb, waterproofing membrane for shower tray and surround, and center shower drain. Excludes tile, mortar, grout and shower accessories.		
	09 34 00 00-0003	EA	48" x 48", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC)	769.97	
	09 34 00 00-0004	EA	32" x 60", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC)	881.82	
	09 34 00 00-0005	EA	72" x 72", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC)	1,290.76	
	09 34 00 00-0006		**Prefabricated Polystyrene Shower Curbs And Ramps** *(09 34 00 00-0001)*		
			Note: Prefabricated shower curbs and ramps for tiling over. Excludes tile.		
	09 34 00 00-0007	EA	15-7/8" Width, 48" Length, Prefabricated Polystyrene Shower Ramp (Schluter® SR-122)	93.68	
	09 34 00 00-0008	EA	4-1/2" Width, 6" Height, 48" Length, Prefabricated Polystyrene Shower Curb (Schluter® SC-122)	88.12	
	09 34 00 00-0009		**Prefabricated Polystyrene Shower Benches** *(09 34 00 00-0001)*		
			Note: Prefabricated shower bench for tiling over. Excludes tile.		
	09 34 00 00-0010	EA	16" Width, 16" Depth, 20" Height, Triangular Prefabricated Polystyrene Shower Bench (Schluter® SB41)	180.35	
	09 34 00 00-0011	EA	32" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB4181)	357.05	
	09 34 00 00-0012	EA	48" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB41122)	439.51	
	09 34 00 00-0013	EA	32" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB2981)	321.71	
	09 34 00 00-0014	EA	42" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29107)	357.05	
	09 34 00 00-0015	EA	48" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29122)	380.61	
	09 34 00 00-0016		**Prefabricated Polystyrene Shower Tray** *(09 34 00 00-0001)*		
			Note: Prefabricated shower tray for tiling over. Excludes tile.		
	09 34 00 00-0017	EA	32" x 60", Prefabricated Polystyrene Shower Tray (Schluter® ST-81/152)	158.47	
	09 34 00 00-0018	EA	48" x 48", Prefabricated Polystyrene Shower Tray (Schluter® ST-122)	158.47	
	09 34 00 00-0019	EA	72" x 72", Prefabricated Polystyrene Shower Tray (Schluter® ST-183)	240.93	
	09 34 00 00-0020		**Waterproofing, Uncoupling And Vapor Management Membranes (Schluter® DITRA)** *(09 34 00 00-0001)*		
	09 34 00 00-0021	SF	1/8" Thick, High-Density Polyethylene Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA)	2.86	
	09 34 00 00-0022	SF	5/16" Thick, High-Density Polyethylene Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA-XL)	3.27	
	09 34 00 00-0023		**Bonded Waterproof Underlayment Membranes (Schluter® KERDI)** *(09 34 00 00-0001)*		
	09 34 00 00-0024	SF	0.008" Polyethylene Membrane With Polypropylene Fleece Laminated On Both Sides, Bonded Waterproof Underlayment Membrane (Schluter® KERDI 200/5M)	2.54	
09 35	**Chemical-Resistant Tiling** *(09 30)*				
			Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.		
	09 35 00 00-0001	SF	Thin Set - Epoxy Mortar	3.35	0.92
			Note: Impact and chemical resistant.		
			For Up To 50, Add	*1.90*	
			For >50 To 250, Add	*0.28*	
			For >1,000, Deduct	*-0.14*	
09 39	**Tiling Transitions And Accessories** *(09 30)*				
	09 39 00 00-0001		**Tile Substrate (Schluter® KERDI BOARD)** *(09 39)*		
	09 39 00 00-0002	LF	1/2" Tile Substrate And Building Panel (Schluter® KERDI BOARD)	5.08	0.54
	09 39 00 00-0003	LF	5/8" Tile Substrate And Building Panel (Schluter® KERDI BOARD)	5.71	0.62
	09 39 00 00-0004		**Floor Edge Protection And Transition Profiles For Tile** *(09 39)*		
	09 39 00 00-0005	LF	1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	2.37	
	09 39 00 00-0006	LF	5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	2.43	
	09 39 00 00-0007	LF	3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	2.50	
	09 39 00 00-0008	LF	1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	2.61	
	09 39 00 00-0009	LF	1/4" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	3.04	
	09 39 00 00-0010	LF	5/16" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	3.13	
	09 39 00 00-0011	LF	3/8" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	3.19	
	09 39 00 00-0012	LF	1/2" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	3.25	
	09 39 00 00-0013	LF	9/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T)	2.47	
	09 39 00 00-0014	LF	1" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T)	3.25	
	09 39 00 00-0015	LF	1/4" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	3.05	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 39 00 00-0016	LF	5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	3.19	
09 39 00 00-0017	LF	3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	3.33	
09 39 00 00-0018	LF	1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	3.96	
09 39 00 00-0019	LF	5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U)	3.15	
09 39 00 00-0020	LF	3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U)	3.29	
09 39 00 00-0021	LF	1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U)	3.92	

09 39 00 00-0022 Outside Wall Edge Protection And Transition Profiles For Tile *(09 39)*

09 39 00 00-0023	LF	1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	3.13	
09 39 00 00-0024	LF	5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	3.28	
09 39 00 00-0025	LF	3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	3.50	
09 39 00 00-0026	LF	1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	3.72	
09 39 00 00-0027	LF	1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	3.43	
09 39 00 00-0028	LF	5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	3.71	
09 39 00 00-0029	LF	3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	3.99	
09 39 00 00-0030	LF	1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	4.48	

09 50 Ceilings *(09)*

Note: Includes cutting for area around columns, speakers, sprinklers, diffusers, etc.

09 51 Acoustical Ceilings *(09 50)*

Note: Excludes suspension system. See CSI section 09 53 00 00-0000 for suspension systems.

09 51 13 Acoustical Panel Ceilings *(09 51)*

Note: Includes cutting around sprinkler heads, speakers, or other penetrations through the ceiling.

09 51 13 00-0001 Fiberglass Panels *(09 51 13)*

09 51 13 00-0002 Fiberglass Acoustical Panels *(09 51 13 00-0001)*

09 51 13 00-0003	SF	2' x 2' x 5/8" Fiberglass Acoustical Ceiling Panel	1.67	0.39
		For Recessed Edge, Add	*0.35*	
		For Fire Rated Panels, Add	*0.53*	
		For Up To 50, Add	*0.61*	
		For >50 To 200, Add	*0.35*	
		For >200 To 500, Add	*0.13*	
		For >2,500 To 4,000, Deduct	*-0.04*	
		For >4,000 To 5,000, Deduct	*-0.07*	
		For >5,000, Deduct	*-0.12*	
		For Individual Room Quantities <495, Add	*0.17*	
		Note: For use with projects >500 SF		
		For Acid Resistive, Add	*2.50*	
		For Black Ceiling Tiles, Add	*0.43*	
		For Ceilings >10' High, Add	*0.07*	
		For Concealed Spline Panels, Add	*0.30*	
09 51 13 00-0004	SF	2' x 4' x 5/8" Fiberglass Acoustical Ceiling Panel	1.65	0.39
		For Recessed Edge, Add	*0.35*	
		For Fire Rated Panels, Add	*0.52*	
		For Up To 50, Add	*0.60*	
		For >50 To 200, Add	*0.34*	
		For >200 To 500, Add	*0.13*	
		For >2,500 To 4,000, Deduct	*-0.04*	
		For >4,000 To 5,000, Deduct	*-0.07*	
		For >5,000, Deduct	*-0.12*	
		For Individual Room Quantities <495, Add	*0.17*	
		Note: For use with projects >500 SF		
		For Acid Resistive, Add	*2.50*	
		For Black Ceiling Tiles, Add	*0.43*	
		For Ceilings >10' High, Add	*0.07*	
		For Concealed Spline Panels, Add	*0.30*	
09 51 13 00-0005	SF	2' x 2' x 3/4" Fiberglass Acoustical Ceiling Panel	3.27	0.39
		For Recessed Edge, Add	*0.35*	
		For Fire Rated Panels, Add	*0.53*	
		For Up To 50, Add	*0.85*	
		For >50 To 200, Add	*0.51*	
		For >200 To 500, Add	*0.21*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.12*	
		For >5,000, Deduct	*-0.18*	
		For Individual Room Quantities <495, Add	*0.25*	
		Note: For use with projects >500 SF		
		For Acid Resistive, Add	*2.50*	
		For Black Ceiling Tiles, Add	*1.31*	
		For Ceilings >10' High, Add	*0.07*	
		For Concealed Spline Panels, Add	*0.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0006	SF	2' x 4' x 3/4" Fiberglass Acoustical Ceiling Panel	3.27	0.39
		For Recessed Edge, Add	*0.35*	
		For Fire Rated Panels, Add	*0.53*	
		For Up To 50, Add	*0.85*	
		For >50 To 200, Add	*0.51*	
		For >200 To 500, Add	*0.21*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.12*	
		For >5,000, Deduct	*-0.18*	
		For Individual Room Quantities <495, Add	*0.25*	
		Note: For use with projects >500 SF		
		For Acid Resistive, Add	*2.50*	
		For Black Ceiling Tiles, Add	*1.31*	
		For Ceilings >10' High, Add	*0.07*	
		For Concealed Spline Panels, Add	*0.46*	
09 51 13 00-0007	SF	2' x 2' x 1" Fiberglass Acoustical Ceiling Panel	3.47	0.47
		For Recessed Edge, Add	*0.35*	
		For Fire Rated Panels, Add	*0.53*	
		For Up To 50, Add	*0.88*	
		For >50 To 200, Add	*0.53*	
		For >200 To 500, Add	*0.22*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.12*	
		For >5,000, Deduct	*-0.19*	
		For Individual Room Quantities <495, Add	*0.26*	
		Note: For use with projects >500 SF		
		For Acid Resistive, Add	*2.50*	
		For Ceilings >10' High, Add	*0.07*	
		For Concealed Spline Panels, Add	*0.48*	
09 51 13 00-0008	SF	2' x 4' x 1" Fiberglass Acoustical Ceiling Panel	3.47	0.47
		For Recessed Edge, Add	*0.35*	
		For Fire Rated Panels, Add	*0.53*	
		For Up To 50, Add	*0.88*	
		For >50 To 200, Add	*0.53*	
		For >200 To 500, Add	*0.22*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.12*	
		For >5,000, Deduct	*-0.19*	
		For Individual Room Quantities <495, Add	*0.26*	
		Note: For use with projects >500 SF		
		For Acid Resistive, Add	*2.50*	
		For Ceilings >10' High, Add	*0.07*	
		For Concealed Spline Panels, Add	*0.48*	

09 51 13 00-0009 Glass Cloth Faced Fiberglass Panels *(09 51 13 00-0001)*

09 51 13 00-0010	SF	3/4" Thick Glass Cloth Faced Fiberglass Acoustical Ceiling Panels	2.78	0.47
		For Fire Rated Panels, Add	*0.57*	
		For Up To 50, Add	*0.87*	
		For >50 To 200, Add	*0.50*	
		For >200 To 500, Add	*0.20*	
		For >2,500 To 4,000, Deduct	*-0.06*	
		For >4,000 To 5,000, Deduct	*-0.11*	
		For >5,000, Deduct	*-0.18*	
		For Individual Room Quantities <495, Add	*0.25*	
		Note: For use with projects >500 SF		
		For Acid Resistive, Add	*2.50*	
		For Ceilings >10' High, Add	*0.08*	
09 51 13 00-0011	SF	1" Thick Glass Cloth Faced Fiberglass Acoustical Ceiling Panels	2.99	0.47
		For Fire Rated Panels, Add	*0.57*	
		For Up To 50, Add	*0.90*	
		For >50 To 200, Add	*0.52*	
		For >200 To 500, Add	*0.21*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.11*	
		For >5,000, Deduct	*-0.19*	
		For Individual Room Quantities <495, Add	*0.26*	
		Note: For use with projects >500 SF		
		For Acid Resistive, Add	*2.50*	
		For Ceilings >10' High, Add	*0.08*	
09 51 13 00-0012	SF	1-1/2" Thick Glass Cloth Faced Fiberglass Acoustical Ceiling Panels	4.16	0.78
		For Fire Rated Panels, Add	*0.64*	
		For Up To 50, Add	*1.21*	
		For >50 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.28*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.15*	
		For >5,000, Deduct	*-0.25*	
		For Individual Room Quantities <495, Add	*0.36*	
		Note: For use with projects >500 SF		
		For Acid Resistive, Add	*2.50*	
		For Ceilings >10' High, Add	*0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0013	SF	2" Thick Glass Cloth Faced Fiberglass Acoustical Ceiling Panels	5.16	0.78
		For Fire Rated Panels, Add	*0.64*	
		For Up To 50, Add	*1.36*	
		For >50 To 200, Add	*0.81*	
		For >200 To 500, Add	*0.33*	
		For >2,500 To 4,000, Deduct	*-0.11*	
		For >4,000 To 5,000, Deduct	*-0.18*	
		For >5,000, Deduct	*-0.29*	
		For Individual Room Quantities <495, Add	*0.41*	
		Note: For use with projects >500 SF		
		For Acid Resistive, Add	*2.50*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0014		Mineral Fiber Panels *(09 51 13)*		
09 51 13 00-0015		Mineral Fiber Acoustical Ceiling Panels *(09 51 13 00-0014)*		
09 51 13 00-0016	SF	1' x 2' x 3/4" Mineral Fiber Acoustical Ceiling Panels	1.98	0.47
		For Vinyl Faced Panels, Add	*1.09*	
		For Fire Rated Panels, Add	*0.55*	
		For Moisture Resistant Panels, Add	*1.09*	
		For Up To 50, Add	*0.69*	
		For >50 To 200, Add	*0.39*	
		For >200 To 500, Add	*0.15*	
		For >2,500 To 4,000, Deduct	*-0.04*	
		For >4,000 To 5,000, Deduct	*-0.08*	
		For >5,000, Deduct	*-0.14*	
		For Individual Room Quantities <495, Add	*0.20*	
		Note: For use with projects >500 SF		
		For Acid Resistive, Add	*2.50*	
		For Rough Texture, Add	*0.13*	
		For Integrated Wood Trim, Add	*7.65*	
		For Vertical Application, Add	*0.44*	
		For Single Angled Tegular Edge (Reveal), Add	*0.55*	
		For Ceilings >10' High, Add	*0.07*	
		For Concealed Spline Panels, Add	*0.35*	
09 51 13 00-0017	SF	2' x 2' x 5/8" Mineral Fiber Acoustical Ceiling Panels	1.41	0.47
		For Vinyl Faced Panels, Add	*1.06*	
		For Fire Rated Panels, Add	*0.53*	
		For Vinyl-Coated Aluminum Foil Surfaced, Add	*1.39*	
		For Moisture Resistant Panels, Add	*1.06*	
		For Up To 50, Add	*0.57*	
		For >50 To 200, Add	*0.32*	
		For >200 To 500, Add	*0.12*	
		For >2,500 To 4,000, Deduct	*-0.03*	
		For >4,000 To 5,000, Deduct	*-0.06*	
		For >5,000, Deduct	*-0.11*	
		For Individual Room Quantities <495, Add	*0.16*	
		Note: For use with projects >500 SF		
		For Acid Resistive, Add	*2.50*	
		For Rough Texture, Add	*0.07*	
		For Integrated Wood Trim, Add	*7.59*	
		For Vertical Application, Add	*0.40*	
		For Single Angled Tegular Edge (Reveal), Add	*0.32*	
		For Black Ceiling Tiles, Add	*0.29*	
		For Ceilings >10' High, Add	*0.07*	
		For Concealed Spline Panels, Add	*0.27*	
09 51 13 00-0018	SF	2' x 2' x 3/4" Mineral Fiber Acoustical Ceiling Panels	2.04	0.47
		For Premium Grade (Eclipse Or Cirrus, With Minimum .70 NRC) Ceiling Tile, Add	*0.29*	
		For Vinyl Faced Panels, Add	*1.06*	
		For Fire Rated Panels, Add	*0.53*	
		For Moisture Resistant Panels, Add	*1.06*	
		For Up To 50, Add	*0.66*	
		For >50 To 200, Add	*0.38*	
		For >200 To 500, Add	*0.15*	
		For >2,500 To 4,000, Deduct	*-0.05*	
		For >4,000 To 5,000, Deduct	*-0.08*	
		For >5,000, Deduct	*-0.14*	
		For Individual Room Quantities <495, Add	*0.19*	
		Note: For use with projects >500 SF		
		For Integrated Wood Trim, Add	*7.84*	
		For Acid Resistive, Add	*2.50*	
		For Rough Texture, Add	*0.14*	
		For Vertical Application, Add	*0.40*	
		For Single Angled Tegular Edge (Reveal), Add	*0.61*	
		For Scored Acoustical Tile, Add	*0.25*	
		For Black Ceiling Tiles, Add	*0.63*	
		For Ceilings >10' High, Add	*0.07*	
		For Concealed Spline Panels, Add	*0.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0019	SF	2' x 4' x 5/8" Mineral Fiber Acoustical Ceiling Panels	1.39	0.47
		For Vinyl Faced Panels, Add	*1.05*	
		For Fire Rated Panels, Add	*0.52*	
		For Vinyl-Coated Aluminum Foil Surfaced, Add	*1.39*	
		For Moisture Resistant Panels, Add	*1.05*	
		For Up To 50, Add	*0.56*	
		For >50 To 200, Add	*0.31*	
		For >200 To 500, Add	*0.11*	
		For >2,500 To 4,000, Deduct	*-0.03*	
		For >4,000 To 5,000, Deduct	*-0.06*	
		For >5,000, Deduct	*-0.11*	
		For Individual Room Quantities <495, Add	*0.16*	
		Note: For use with projects >500 SF		
		For Integrated Wood Trim, Add	*9.07*	
		For Acid Resistive, Add	*2.50*	
		For Rough Texture, Add	*0.07*	
		For Vertical Application, Add	*0.39*	
		For Single Angled Tegular Edge (Reveal), Add	*0.32*	
		For Black Ceiling Tiles, Add	*0.29*	
		For Ceilings >10' High, Add	*0.07*	
		For Concealed Spline Panels, Add	*0.27*	
09 51 13 00-0020	SF	2' x 4' x 3/4" Mineral Fiber Acoustical Ceiling Panels	2.02	0.47
		For Premium Grade (Eclipse Or Cirrus, With Minimum .70 NRC) Ceiling Tile, Add	*0.29*	
		For Vinyl Faced Panels, Add	*1.05*	
		For Fire Rated Panels, Add	*0.52*	
		For Moisture Resistant Panels, Add	*1.05*	
		For Up To 50, Add	*0.65*	
		For >50 To 200, Add	*0.38*	
		For >200 To 500, Add	*0.14*	
		For >2,500 To 4,000, Deduct	*-0.04*	
		For >4,000 To 5,000, Deduct	*-0.08*	
		For >5,000, Deduct	*-0.13*	
		For Individual Room Quantities <495, Add	*0.19*	
		Note: For use with projects >500 SF		
		For Integrated Wood Trim, Add	*9.32*	
		For Acid Resistive, Add	*2.50*	
		For Rough Texture, Add	*0.14*	
		For Vertical Application, Add	*0.39*	
		For Single Angled Tegular Edge (Reveal), Add	*0.60*	
		For Scored Acoustical Tile, Add	*0.25*	
		For Black Ceiling Tiles, Add	*0.63*	
		For Ceilings >10' High, Add	*0.07*	
		For Concealed Spline Panels, Add	*0.33*	
09 51 13 00-0021	SF	2' x 5' x 5/8" Mineral Fiber Acoustical Ceiling Panels	1.38	0.47
		For Vinyl Faced Panels, Add	*1.05*	
		For Fire Rated Panels, Add	*0.52*	
		For Moisture Resistant Panels, Add	*1.05*	
		For Up To 50, Add	*0.55*	
		For >50 To 200, Add	*0.31*	
		For >200 To 500, Add	*0.11*	
		For >2,500 To 4,000, Deduct	*-0.03*	
		For >4,000 To 5,000, Deduct	*-0.06*	
		For >5,000, Deduct	*-0.11*	
		For Individual Room Quantities <495, Add	*0.16*	
		Note: For use with projects >500 SF		
		For Integrated Wood Trim, Add	*9.32*	
		For Acid Resistive, Add	*2.50*	
		For Rough Texture, Add	*0.07*	
		For Vertical Application, Add	*0.39*	
		For Single Angled Tegular Edge (Reveal), Add	*0.32*	
		For Ceilings >10' High, Add	*0.06*	
		For Concealed Spline Panels, Add	*0.27*	

09 51 13 00-0022 Wood Fiber Panels *(09 51 13)*

09 51 13 00-0023	SF	2' x 2' x 1/2" Wood Fiber Acoustical Ceiling Panels	2.64	0.62
		For Up To 50, Add	*0.96*	
		For >50 To 200, Add	*0.54*	
		For >200 To 500, Add	*0.20*	
		For >2,500 To 4,000, Deduct	*-0.06*	
		For >4,000 To 5,000, Deduct	*-0.11*	
		For >5,000, Deduct	*-0.19*	
		For Individual Room Quantities <495, Add	*0.27*	
		Note: For use with projects >500 SF		
		For Flameproofing, Add	*0.05*	
		For Sculptured, 3 Dimensional, Add	*0.10*	
		For Ceilings >10' High, Add	*0.11*	
		For Concealed Spline Panels, Add	*0.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0024	SF	2' x 4' x 1/2" Wood Fiber Acoustical Ceiling Panels	2.49	0.54
		For Up To 50, Add	*0.87*	
		For >50 To 200, Add	*0.50*	
		For >200 To 500, Add	*0.19*	
		For >2,500 To 4,000, Deduct	*-0.06*	
		For >4,000 To 5,000, Deduct	*-0.10*	
		For >5,000, Deduct	*-0.17*	
		For Individual Room Quantities <495, Add	*0.25*	
		Note: For use with projects >500 SF		
		For Flameproofing, Add	*0.05*	
		For Sculptured, 3 Dimensional, Add	*0.10*	
		For Ceilings >10' High, Add	*0.09*	
		For Concealed Spline Panels, Add	*0.44*	
09 51 13 00-0025	SF	2' x 2' x 5/8" Wood Fiber Acoustical Ceiling Panels	3.20	0.62
		For Up To 50, Add	*1.04*	
		For >50 To 200, Add	*0.60*	
		For >200 To 500, Add	*0.23*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.12*	
		For >5,000, Deduct	*-0.21*	
		For Individual Room Quantities <495, Add	*0.30*	
		Note: For use with projects >500 SF		
		For Flameproofing, Add	*0.05*	
		For Sculptured, 3 Dimensional, Add	*0.10*	
		For Ceilings >10' High, Add	*0.11*	
		For Concealed Spline Panels, Add	*0.53*	
09 51 13 00-0026	SF	2' x 4' x 5/8" Wood Fiber Acoustical Ceiling Panels	3.05	0.54
		For Up To 50, Add	*0.96*	
		For >50 To 200, Add	*0.56*	
		For >200 To 500, Add	*0.22*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.12*	
		For >5,000, Deduct	*-0.20*	
		For Individual Room Quantities <495, Add	*0.28*	
		Note: For use with projects >500 SF		
		For Flameproofing, Add	*0.05*	
		For Sculptured, 3 Dimensional, Add	*0.10*	
		For Ceilings >10' High, Add	*0.09*	
		For Concealed Spline Panels, Add	*0.49*	
09 51 13 00-0027	SF	2' x 2' x 3/4" Wood Fiber Acoustical Ceiling Panels	3.74	0.62
		For Up To 50, Add	*1.12*	
		For >50 To 200, Add	*0.65*	
		For >200 To 500, Add	*0.26*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.14*	
		For >5,000, Deduct	*-0.23*	
		For Individual Room Quantities <495, Add	*0.33*	
		Note: For use with projects >500 SF		
		For Flameproofing, Add	*0.05*	
		For Sculptured, 3 Dimensional, Add	*0.10*	
		For Ceilings >10' High, Add	*0.11*	
		For Concealed Spline Panels, Add	*0.58*	
09 51 13 00-0028	SF	2' x 4' x 3/4" Wood Fiber Acoustical Ceiling Panels	3.59	0.54
		For Up To 50, Add	*1.04*	
		For >50 To 200, Add	*0.61*	
		For >200 To 500, Add	*0.24*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.13*	
		For >5,000, Deduct	*-0.22*	
		For Individual Room Quantities <495, Add	*0.30*	
		Note: For use with projects >500 SF		
		For Flameproofing, Add	*0.05*	
		For Sculptured, 3 Dimensional, Add	*0.10*	
		For Ceilings >10' High, Add	*0.09*	
		For Concealed Spline Panels, Add	*0.55*	
09 51 13 00-0029	SF	2' x 2' x 1" Wood Fiber Acoustical Ceiling Panels	2.97	0.62
		For Up To 50, Add	*1.01*	
		For >50 To 200, Add	*0.58*	
		For >200 To 500, Add	*0.22*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.12*	
		For >5,000, Deduct	*-0.20*	
		For Individual Room Quantities <495, Add	*0.29*	
		Note: For use with projects >500 SF		
		For Flameproofing, Add	*0.05*	
		For Sculptured, 3 Dimensional, Add	*0.10*	
		For Ceilings >10' High, Add	*0.11*	
		For Concealed Spline Panels, Add	*0.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0030	SF	2' x 4' x 1" Wood Fiber Acoustical Ceiling Panels	2.82	0.54
		For Up To 50, Add	*0.92*	
		For >50 To 200, Add	*0.53*	
		For >200 To 500, Add	*0.20*	
		For >2,500 To 4,000, Deduct	*-0.06*	
		For >4,000 To 5,000, Deduct	*-0.11*	
		For >5,000, Deduct	*-0.19*	
		For Individual Room Quantities <495, Add	*0.27*	
		Note: For use with projects >500 SF		
		For Flameproofing, Add	*0.05*	
		For Sculptured, 3 Dimensional, Add	*0.10*	
		For Ceilings >10' High, Add	*0.09*	
		For Concealed Spline Panels, Add	*0.47*	

09 51 13 00-0031 Air Distributing Panels *(09 51 13)*

09 51 13 00-0032	SF	3/4" Thick, Air Distribution Acoustical Ceiling Panels	5.43	1.18
		For Up To 50, Add	*1.86*	
		For >50 To 200, Add	*1.07*	
		For >200 To 500, Add	*0.40*	
		For >2,500 To 4,000, Deduct	*-0.12*	
		For >4,000 To 5,000, Deduct	*-0.22*	
		For >5,000, Deduct	*-0.37*	
		For Individual Room Quantities <495, Add	*0.53*	
		Note: For use with projects >500 SF		
		For Air Control Slides, Add	*0.12*	
		For Ceilings >10' High, Add	*0.20*	
09 51 13 00-0033	SF	5/8" Thick, Air Distribution Acoustical Ceiling Panels	3.43	0.87
		For Up To 50, Add	*1.30*	
		For >50 To 200, Add	*0.74*	
		For >200 To 500, Add	*0.27*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.14*	
		For >5,000, Deduct	*-0.25*	
		For Individual Room Quantities <495, Add	*0.37*	
		Note: For use with projects >500 SF		
		For Air Control Slides, Add	*0.12*	
		For Ceilings >10' High, Add	*0.15*	

09 51 13 00-0034 Removal And Reinstallation Of Acoustical Ceiling Panels *(09 51 13)*

Note: 2'x2' Or 2'x4'. Includes storage and cleaning.

09 51 13 00-0035	SF	Remove And Reinstall Acoustical Ceiling Tile And Grid, 2' x 2' Or 2' x 4'	1.15	
		For Ceilings >10' High, Add	*0.09*	
09 51 13 00-0036	SF	Remove And Reinstall Acoustical Panels Only	0.75	
		For Ceilings >10' High, Add	*0.06*	
09 51 13 00-0037	SF	Remove And Reinstall Grid System Only	0.69	
		For Ceilings >10' High, Add	*0.05*	

09 51 23 Acoustical Tile Ceilings *(09 51)*

Note: Includes fastening with staples and/or adhesive.

09 51 23 00-0001 Mineral Fiber Acoustical Tile Ceilings *(09 51 23)*

09 51 23 00-0002	SF	12" x 12" x 1/2" Tongue And Groove Mineral Fiber Acoustical Ceiling Tile	3.57	0.87
		For Furring 1 x 3 Strips 12" On Center, Add	*0.50*	
		For Up To 50, Add	*1.32*	
		For >50 To 200, Add	*0.75*	
		For >200 To 500, Add	*0.28*	
		For >2,500, Deduct	*-0.18*	
		For Ceilings >10' High, Add	*0.15*	
09 51 23 00-0003	SF	12" x 12" x 5/8" Spline Mineral Fiber Acoustical Ceiling Tile	4.17	0.87
		For Furring 1 x 3 Strips 12" On Center, Add	*0.50*	
		For Up To 50, Add	*1.41*	
		For >50 To 200, Add	*0.81*	
		For >200 To 500, Add	*0.31*	
		For >2,500, Deduct	*-0.21*	
		For No Adhesive (Suspended Ceiling System), Deduct	*-0.24*	
		For Ceilings >10' High, Add	*0.15*	
09 51 23 00-0004	SF	12" x 12" x 3/4" Spline Mineral Fiber Acoustical Ceiling Tile	4.65	0.87
		For Furring 1 x 3 Strips 12" On Center, Add	*0.50*	
		For Up To 50, Add	*1.48*	
		For >50 To 200, Add	*0.86*	
		For >200 To 500, Add	*0.33*	
		For >2,500, Deduct	*-0.23*	
		For No Adhesive (Suspended Ceiling System), Deduct	*-0.24*	
		For Ceilings >10' High, Add	*0.15*	

09 51 23 00-0005 Wood Fiber Acoustical Tile Ceilings *(09 51 23)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 23 00-0006	SF	12" x 12" x 1/2" Staple Flange Wood Fiber Acoustical Ceiling Tile	3.31	0.87
		For Furring 1 x 3 Strips 12" On Center, Add	*0.50*	
		For Up To 50, Add	*1.28*	
		For >50 To 200, Add	*0.72*	
		For >200 To 500, Add	*0.26*	
		For >2,500, Deduct	*-0.17*	
		For Ceilings >10' High, Add	*0.15*	

09 51 33 Acoustical Metal Pan Ceilings *(09 51)*

09 51 33 13 Acoustical Snap-in Metal Pan Ceilings *(09 51 33)*

09 51 33 13-0001 Metal Pan Units, 24 GA Steel *(09 51 33 13)*

Note: Excludes pads.

09 51 33 13-0002	SF	12" x 12" - 24 Gauge, Acoustical Metal Pan Units	15.30	1.02
		For Up To 50, Add	*3.19*	
		For >50 To 200, Add	*1.98*	
		For >200 To 500, Add	*0.88*	
		For >2,500, Deduct	*-0.77*	
		For Ceilings >10' High, Add	*0.17*	
09 51 33 13-0003	SF	12" x 24" - 24 Gauge, Acoustical Metal Pan Units	16.24	1.02
		For Up To 50, Add	*3.33*	
		For >50 To 200, Add	*2.07*	
		For >200 To 500, Add	*0.92*	
		For >2,500, Deduct	*-0.81*	
		For Ceilings >10' High, Add	*0.17*	
09 51 33 13-0004	SF	12" x 12" - 0.025" Thick, Acoustical Aluminum Pan	9.29	1.02
		For Up To 50, Add	*2.29*	
		For >50 To 200, Add	*1.38*	
		For >200 To 500, Add	*0.58*	
		For >2,500, Deduct	*-0.46*	
		For Ceilings >10' High, Add	*0.17*	
09 51 33 13-0005	SF	12" x 24" - 0.025" Thick, Acoustical Aluminum Pan	10.02	1.02
		For Up To 50, Add	*2.40*	
		For >50 To 200, Add	*1.45*	
		For >200 To 500, Add	*0.61*	
		For >2,500, Deduct	*-0.50*	
		For Ceilings >10' High, Add	*0.17*	
09 51 33 13-0006	SF	12" x 12" - 0.025" Thick, Acoustical Anodized Aluminum Pan Units	13.56	1.02
		For Up To 50, Add	*2.93*	
		For >50 To 200, Add	*1.80*	
		For >200 To 500, Add	*0.79*	
		For >2,500, Deduct	*-0.68*	
		For Ceilings >10' High, Add	*0.17*	
09 51 33 13-0007	SF	12" x 24" - 0.025" Thick, Acoustical Anodized Aluminum Pan Units	9.84	1.02
		For Up To 50, Add	*2.37*	
		For >50 To 200, Add	*1.43*	
		For >200 To 500, Add	*0.60*	
		For >2,500, Deduct	*-0.49*	
		For Ceilings >10' High, Add	*0.17*	
09 51 33 13-0008	SF	12" x 12" - 24 Gauge, Stainless Steel Acoustical Pan Units	34.39	1.02
		For Up To 50, Add	*6.05*	
		For >50 To 200, Add	*3.89*	
		For >200 To 500, Add	*1.83*	
		For >2,500, Deduct	*-1.72*	
		For Ceilings >10' High, Add	*0.17*	
09 51 33 13-0009	SF	12" x 24" - 24 Gauge, Stainless Steel Acoustical Pan Units	19.37	1.02
		For Up To 50, Add	*3.80*	
		For >50 To 200, Add	*2.38*	
		For >200 To 500, Add	*1.08*	
		For >2,500, Deduct	*-0.97*	
		For Ceilings >10' High, Add	*0.17*	

09 51 33 13-0010 Galvanized Steel, Acoustical Snap-In Metal Ceiling Panels *(09 51 33 13)*

09 51 33 13-0011	SF	24" x 24", Unperforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™)	11.93	0.68
09 51 33 13-0012	SF	24" x 24", Perforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™)	12.75	0.68

09 51 33 13-0013 Aluminum, Acoustical Snap-In Metal Ceiling Panels *(09 51 33 13)*

09 51 33 13-0014	SF	24" x 24", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	9.00	0.78
09 51 33 13-0015	SF	24" x 24", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	15.07	0.78
09 51 33 13-0016	SF	24" x 24", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	29.22	0.78
09 51 33 13-0017	SF	24" x 24", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	13.39	0.78
09 51 33 13-0018	SF	24" x 24", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	9.49	0.78
09 51 33 13-0019	SF	24" x 24", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	14.69	0.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 13-0020	SF	24" x 24", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	29.01	0.78
09 51 33 13-0021	SF	24" x 24", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	13.28	0.78
09 51 33 13-0022	SF	30" x 30", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	12.14	0.78
09 51 33 13-0023	SF	30" x 30", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	15.88	0.78
09 51 33 13-0024	SF	30" x 30", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	32.21	0.78
09 51 33 13-0025	SF	30" x 30", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	15.72	0.78
09 51 33 13-0026	SF	30" x 30", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	12.85	0.78
09 51 33 13-0027	SF	30" x 30", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	16.26	0.78
09 51 33 13-0028	SF	30" x 30", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	33.29	0.78
09 51 33 13-0029	SF	30" x 30", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	16.10	0.78
09 51 33 13-0030	SF	12" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	11.00	0.78
09 51 33 13-0031	SF	12" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	17.84	0.78
09 51 33 13-0032	SF	12" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	31.50	0.78
09 51 33 13-0033	SF	12" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	15.34	0.78
09 51 33 13-0034	SF	12" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	11.82	0.78
09 51 33 13-0035	SF	12" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	18.05	0.78
09 51 33 13-0036	SF	12" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	32.64	0.78
09 51 33 13-0037	SF	12" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	15.83	0.78
09 51 33 13-0038	SF	24" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	8.77	0.78
09 51 33 13-0039	SF	24" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	13.33	0.78
09 51 33 13-0040	SF	24" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	27.42	0.78
09 51 33 13-0041	SF	24" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	12.67	0.78
09 51 33 13-0042	SF	24" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	9.31	0.78
09 51 33 13-0043	SF	24" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	13.22	0.78
09 51 33 13-0044	SF	24" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	27.48	0.78
09 51 33 13-0045	SF	24" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	12.67	0.78

09 51 33 23 Acoustical Lay-in Metal Pan Ceilings *(09 51 33)*

09 51 33 23-0001 Acoustical Lay-In Metal Pan Ceilings *(09 51 33 23)*

09 51 33 23-0002 Aluminum, Acoustical Lay-In Metal Ceiling Panels *(09 51 33 23-0001)*

09 51 33 23-0003	SF	24" x 24", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	9.31	0.58
09 51 33 23-0004	SF	24" x 24", Unperforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	10.53	0.58
09 51 33 23-0005	SF	24" x 24", Unperforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	15.41	0.58
09 51 33 23-0006	SF	24" x 24", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	13.11	0.58
09 51 33 23-0007	SF	24" x 24", Perforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	14.06	0.58
09 51 33 23-0008	SF	24" x 24", Perforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	22.06	0.58
09 51 33 23-0009	SF	30" x 30", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	13.85	0.58
09 51 33 23-0010	SF	30" x 30", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	17.14	0.58
09 51 33 23-0011	SF	48" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	13.92	0.58
09 51 33 23-0012	SF	48" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	17.24	0.58
09 51 33 23-0013	SF	12" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	13.99	0.58
09 51 33 23-0014	SF	12" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	17.18	0.58
09 51 33 23-0015	SF	24" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	13.99	0.58
09 51 33 23-0016	SF	24" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	17.31	0.58

09 51 33 23-0017 Steel, Acoustical Lay-In Metal Ceiling Panels *(09 51 33 23-0001)*

09 51 33 23-0018	SF	24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	11.98	0.58
09 51 33 23-0019	SF	24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	14.26	0.58
09 51 33 23-0020	SF	24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	15.29	0.58
09 51 33 23-0021	SF	24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	14.37	0.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 23-0022	SF	24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	14.75	0.58
09 51 33 23-0023	SF	24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	15.61	0.58

09 51 33 33 Acoustical Tegular Lay-in Metal Pan Ceilings *(09 51 33)*

09 51 33 33-0001 Acoustical Tegular Lay-In Metal Pan Ceilings *(09 51 33 33)*

09 51 33 33-0002 Steel, Acoustical Tegular Lay-In Metal Pan Ceilings *(09 51 33 33-0001)*

09 51 33 33-0003	SF	24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	8.78	0.58
09 51 33 33-0004	SF	24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	9.87	0.58
09 51 33 33-0005	SF	24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	13.88	0.58
09 51 33 33-0006	SF	24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	9.97	0.58
09 51 33 33-0007	SF	24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	11.28	0.58
09 51 33 33-0008	SF	24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	15.13	0.58

09 53 Acoustical Ceiling Suspension Assemblies *(09 50)*

09 53 23 Metal Acoustical Ceiling Suspension Assemblies *(09 53)*

09 53 23 00-0001 Ceiling Suspension Systems *(09 53 23)*

Note: Hot-dipped galvanized steel. Includes single 8 gauge wire hangers (between 3' To 4') attached from structural steel, wood or metal deck, wood members or concrete deck above to main members 4' on center. Includes all main tees, cross tees, wall angle, wall anchors, connector clips, hold down clips, double faced tape (where required). All above shall be mechanically installed by minimum 2-1/4" x 3/8" wedge anchors. Excludes chain supports for lights.

09 53 23 00-0002	SF	12" x 12" Ceiling Tile Size, Concealed 15/16" T Bar Ceiling Suspension System Note: Excludes ceiling tile.	3.61	0.39
		For Vertical Application, Add	*2.09*	
		For Individual Room Quantities <495, Add	*0.42*	
		Note: For use with projects >500 SF		
		For Compression Struts With Splay Wires, Add	*0.41*	
		For Up To 50, Add	*1.50*	
		For >50 To 200, Add	*0.84*	
		For >200 To 500, Add	*0.30*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.16*	
		For >5,000, Deduct	*-0.23*	
		For Ceilings >10' High, Add	*0.18*	
09 53 23 00-0003	SF	1' x 2' Grid, 15/16" T Bar Ceiling Suspension System	2.96	0.39
		For UL Listed (Fire Guard), Add	*0.13*	
		For 1-1/2" Wide Faced Grid, Add	*0.25*	
		For Vertical Application, Add	*1.81*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For 9/16" Narrow Faced Grid, Add	*0.22*	
		For Individual Room Quantities <495, Add	*0.36*	
		Note: For use with projects >500 SF		
		For Aluminum T-Bar System, Add	*0.40*	
		For Compression Struts With Splay Wires, Add	*0.33*	
		For Up To 50, Add	*1.27*	
		For >50 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.25*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.13*	
		For >5,000, Deduct	*-0.19*	
		For Ceilings >10' High, Add	*0.16*	
09 53 23 00-0004	SF	2' x 2' Grid, 15/16" T Bar Ceiling Suspension System	2.43	0.39
		For UL Listed (Fire Guard), Add	*0.09*	
		For 1-1/2" Wide Faced Grid, Add	*0.18*	
		For Vertical Application, Add	*1.58*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For 9/16" Narrow Faced Grid, Add	*0.16*	
		For Individual Room Quantities <495, Add	*0.30*	
		Note: For use with projects >500 SF		
		For Aluminum T-Bar System, Add	*0.28*	
		For Compression Struts With Splay Wires, Add	*0.27*	
		For Up To 50, Add	*1.08*	
		For >50 To 200, Add	*0.60*	
		For >200 To 500, Add	*0.21*	
		For >2,500 To 4,000, Deduct	*-0.06*	
		For >4,000 To 5,000, Deduct	*-0.11*	
		For >5,000, Deduct	*-0.16*	
		For Black Grid, Add	*0.08*	
		For Ceilings >10' High, Add	*0.14*	
		For Concealed Spline Grid, Add	*0.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 53 23 00-0005	SF	2' x 4' Grid, 15/16" T Bar Ceiling Suspension System	2.06	0.39
		For UL Listed (Fire Guard), Add	*0.07*	
		For 1-1/2" Wide Faced Grid, Add	*0.14*	
		For Vertical Application, Add	*1.57*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For 9/16" Narrow Faced Grid, Add	*0.12*	
		For Individual Room Quantities <495, Add	*0.26*	
		Note: For use with projects >500 SF		
		For Aluminum T-Bar System, Add	*0.22*	
		For Compression Struts With Splay Wires, Add	*0.23*	
		For Up To 50, Add	*0.94*	
		For >50 To 200, Add	*0.52*	
		For >200 To 500, Add	*0.18*	
		For >2,500 To 4,000, Deduct	*-0.05*	
		For >4,000 To 5,000, Deduct	*-0.09*	
		For >5,000, Deduct	*-0.14*	
		For Black Grid, Add	*0.06*	
		For Ceilings >10' High, Add	*0.12*	
		For Concealed Spline Grid, Add	*0.28*	
09 53 23 00-0006	SF	2' x 5' Grid, 15/16" T Bar Ceiling Suspension System	1.98	0.39
		For UL Listed (Fire Guard), Add	*0.08*	
		For 1-1/2" Wide Faced Grid, Add	*0.15*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For 9/16" Narrow Faced Grid, Add	*0.14*	
		For Individual Room Quantities <495, Add	*0.24*	
		Note: For use with projects >500 SF		
		For Aluminum T-Bar System, Add	*0.25*	
		For Compression Struts With Splay Wires, Add	*0.22*	
		For Up To 50, Add	*0.87*	
		For >50 To 200, Add	*0.48*	
		For >200 To 500, Add	*0.17*	
		For >2,500 To 4,000, Deduct	*-0.05*	
		For >4,000 To 5,000, Deduct	*-0.09*	
		For >5,000, Deduct	*-0.13*	
		For Ceilings >10' High, Add	*0.11*	
09 53 23 00-0007	SF	2', 15/16" Suspended Ceiling Cross Tee	0.58	0.23
		Note: Can be used to convert an existing 2' x 4' suspension system to a 2' x 2' system or to replace an individual component.		
		For 1-1/2" Wide Faced Grid, Add	*0.04*	
		For Vertical Application, Add	*0.45*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For 9/16" Narrow Faced Grid, Add	*0.03*	
		For Individual Room Quantities <495, Add	*0.07*	
		Note: For use with projects >500 SF		
		For Aluminum T-Bar System, Add	*0.06*	
		For Up To 50, Add	*0.27*	
		For >50 To 200, Add	*0.15*	
		For >200 To 500, Add	*0.05*	
		For >2,500 To 4,000, Deduct	*-0.01*	
		For >4,000 To 5,000, Deduct	*-0.03*	
		For >5,000, Deduct	*-0.04*	
		For Ceilings >10' High, Add	*0.03*	
09 53 23 00-0008		Ceiling Suspension System Accessories *(09 53 23)*		
09 53 23 00-0009	LF	For Pencil Rod Support With Accessories And Attachments (Seismic Control Or Where Required)	0.87	
09 53 23 00-0010	LF	1" x 1/8" Flat Bar Bracing For Suspended Ceiling	2.32	1.10
		For 316 Stainless Steel, Add	*2.18*	
		For Aluminum, Add	*0.12*	
		For Galvanized Steel, Add	*0.42*	
		For 304 Stainless Steel, Add	*1.94*	
09 53 23 00-0011	LF	1" x 3/16" Flat Bar Bracing For Suspended Ceiling	3.32	1.18
09 53 23 00-0012	LF	1-1/2" x 1/4" Flat Bar Bracing For Suspended Ceiling	4.68	1.25

09 54 Specialty Ceilings *(09 50)*

09 54 23 Linear Metal Ceilings *(09 54)*

09 54 23 00-0001 Linear Ceiling Systems *(09 54 23)*

09 54 23 00-0002 0.032" Aluminum, Linear Ceiling Systems *(09 54 23 00-0001)*

Note: For flat ceilings. Includes round or box style panels with KYNAR 500® or HYLAR 5000® PVDF finish. Includes ceiling suspension system and flush or recessed filler strips.

09 54 23 00-0003	SF	4" Panel Width, 0.032" Aluminum, Linear Ceiling System	11.76	1.62
		For Up To 50, Add	*3.32*	
		For >50 To 200, Add	*1.96*	
		For >200 To 500, Add	*0.78*	
		For >2,500, Deduct	*-0.59*	
		For Ceilings >10' High, Add	*0.29*	
		For Linear Ceiling Systems Without Filler Strips, Deduct	*-1.95*	
		For Curved Ceilings, Add	*1.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 54 23 00-0004	SF	8" Panel Width, 0.032" Aluminum, Linear Ceiling System	9.66	1.62
		For Up To 50, Add	*2.98*	
		For >50 To 200, Add	*1.73*	
		For >200 To 500, Add	*0.67*	
		For >2,500, Deduct	*-0.48*	
		For Ceilings >10' High, Add	*0.29*	
		For Linear Ceiling Systems Without Filler Strips, Deduct	*-0.96*	
		For Curved Ceilings, Add	*0.99*	
09 54 23 00-0005	SF	12" Panel Width, 0.032" Aluminum, Linear Ceiling System	8.84	1.62
		For Up To 50, Add	*2.82*	
		For >50 To 200, Add	*1.63*	
		For >200 To 500, Add	*0.63*	
		For >2,500, Deduct	*-0.44*	
		For Ceilings >10' High, Add	*0.28*	
		For Linear Ceiling Systems Without Filler Strips, Deduct	*-0.65*	
		For Curved Ceilings, Add	*0.97*	

09 54 23 00-0006 Tin Ceilings *(09 54 23)*

09 54 23 00-0007	SF	2' x 2' Tin Ceiling Embossed Panels	11.81	2.52
		For Up To 50, Add	*2.99*	
		For >50 To 200, Add	*1.79*	
		For >200 To 500, Add	*0.74*	
		For >2,500, Deduct	*-0.59*	
		For Ceilings >10' High, Add	*0.23*	
09 54 23 00-0008	SF	12" x 12" Tin Ceiling Embossed Plates	17.19	1.62
		For Up To 50, Add	*3.86*	
		For >50 To 200, Add	*2.36*	
		For >200 To 500, Add	*1.02*	
		For >2,500, Deduct	*-0.86*	
		For Ceilings >10' High, Add	*0.24*	
09 54 23 00-0009	SF	12" x 24" Tin Ceiling Embossed Plates	12.74	1.62
		For Up To 50, Add	*3.19*	
		For >50 To 200, Add	*1.91*	
		For >200 To 500, Add	*0.80*	
		For >2,500, Deduct	*-0.64*	
		For Ceilings >10' High, Add	*0.24*	
09 54 23 00-0010	SF	24" x 24" Tin Ceiling Embossed Plates	11.70	1.62
		For Up To 50, Add	*2.94*	
		For >50 To 200, Add	*1.76*	
		For >200 To 500, Add	*0.73*	
		For >2,500, Deduct	*-0.59*	
		For Ceilings >10' High, Add	*0.22*	
09 54 23 00-0011	SF	24" x 48" Tin Ceiling Embossed Plates	10.21	1.22
		For Up To 50, Add	*2.56*	
		For >50 To 200, Add	*1.54*	
		For >200 To 500, Add	*0.64*	
		For >2,500, Deduct	*-0.51*	
		For Ceilings >10' High, Add	*0.19*	
09 54 23 00-0012	LF	3" Or 4" Wide Embossed Molding	8.62	2.44
		For Ceilings >10' High, Add	*0.36*	
09 54 23 00-0013	LF	6" Wide Embossed Molding	10.63	2.84
		For Ceilings >10' High, Add	*0.40*	
09 54 23 00-0014	LF	12" Wide Embossed Molding	14.16	3.33
		For Ceilings >10' High, Add	*0.50*	
09 54 23 00-0015	EA	3", 4" Or 6" Wide Embossed Cross, Tee Or Ell	25.24	7.72
		For Ceilings >10' High, Add	*1.13*	
09 54 23 00-0016	EA	12" Wide Embossed Cross, Tee Or Ell	34.37	9.02
		For Ceilings >10' High, Add	*1.36*	

09 57 Special Function Ceilings *(09 50)*

09 57 00 00-0001 High Impact Ceiling Systems *(09 57)*

09 57 00 00-0002	SF	Polyvinyl Chloride Face High Impact Ceiling Panels	4.28	0.78
		For Ceilings >10' High, Add	*0.09*	
09 57 00 00-0003	SF	High Impact Clips	1.77	0.62
		For Ceilings >10' High, Add	*0.07*	

09 60 Flooring *(09)*

09 61 Flooring Treatment *(09 60)*

09 61 13 Slip-Resistant Flooring Treatment *(09 61)*

09 61 13 00-0001 Anti-Slip Tape *(09 61 13)*

Note: Grit sandpaper surface with adhesive back.

09 61 13 00-0002	LF	1" Anti-Slip Tape	1.95	1.57
09 61 13 00-0003	LF	2" Anti-Slip Tape	2.40	1.72
09 61 13 00-0004	LF	3" Anti-Slip Tape	2.85	1.89
09 61 13 00-0005	LF	4" Anti-Slip Tape	3.29	2.08
09 61 13 00-0006	LF	6" Anti-Slip Tape	4.11	2.29
09 61 13 00-0007	LF	12" Anti-Slip Tape	7.06	3.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 61 13 00-0008	LF	24" Anti-Slip Tape	10.06	5.16

09 63 Masonry Flooring *(09 60)*

09 63 13 Brick Flooring *(09 63)*

09 63 13 00-0001 Clay Bricks *(09 63 13)*

09 63 13 00-0002	SF	2-1/4" Thick Clay Brick Floor	18.51	7.22
		For Basket Weave Pattern, Add	*1.55*	
		For Herringbone Pattern, Add	*2.06*	
		For Epoxy Joints, Add	*4.30*	
09 63 13 00-0003	SF	3" Thick Clay Brick Floor	20.55	7.22
		For Basket Weave Pattern, Add	*1.55*	
		For Herringbone Pattern, Add	*2.06*	
		For Epoxy Joints, Add	*4.30*	
09 63 13 00-0004	SF	1/2" Thick Unglazed Clay Brick Floor	12.77	7.22
		For Basket Weave Pattern, Add	*1.55*	
		For Herringbone Pattern, Add	*2.06*	
		For Epoxy Joints, Add	*4.30*	
09 63 13 00-0005	SF	1/2" Thick Glazed Clay Brick Floor	14.62	7.22
		For Basket Weave Pattern, Add	*1.55*	
		For Herringbone Pattern, Add	*2.06*	
		For Epoxy Joints, Add	*4.30*	
09 63 13 00-0006	SF	3/4" Thick Unglazed Clay Brick Floor	13.60	7.22
		For Basket Weave Pattern, Add	*1.55*	
		For Herringbone Pattern, Add	*2.06*	
		For Epoxy Joints, Add	*4.30*	
09 63 13 00-0007	SF	3/4" Thick Glazed Clay Brick Floor	16.05	7.22
		For Basket Weave Pattern, Add	*1.55*	
		For Herringbone Pattern, Add	*2.06*	
		For Epoxy Joints, Add	*4.30*	
09 63 13 00-0008	SF	15/16" Thick Unglazed Clay Brick Floor	14.40	7.22
		For Basket Weave Pattern, Add	*1.55*	
		For Herringbone Pattern, Add	*2.06*	
		For Epoxy Joints, Add	*4.30*	
09 63 13 00-0009	SF	15/16" Thick Glazed Clay Brick Floor	17.50	7.22
		For Basket Weave Pattern, Add	*1.55*	
		For Herringbone Pattern, Add	*2.06*	
		For Epoxy Joints, Add	*4.30*	

09 63 43 Composition Stone Flooring *(09 63)*

09 63 43 00-0001 Cupric Oxychloride Cement, Seamless Flooring System *(09 63 43)*

Note: Chemical and slip resistant. OSHA and USDA approved.

09 63 43 00-0002	SF	3/8" Thick, Cupric Oxychloride Cement, Seamless Flooring System, Trowel Applied	11.21	4.04

09 64 Wood Flooring *(09 60)*

09 64 13 Wood Flooring Underlayment *(09 64)*

09 64 13 00-0001 Wood Flooring Underlayment *(09 64 13)*

09 64 13 00-0002	SF	Regular Weight Red Rosin Paper, Wood Flooring Underlayment	0.37
09 64 13 00-0003	SF	Heavy Weight Red Rosin Paper, Wood Flooring Underlayment	0.37
09 64 13 00-0004	SF	30 LB, Waxed Paper, Wood Flooring Underlayment	0.38
09 64 13 00-0005	SF	15 LB, Asphalt Saturated Organic Felt, Wood Flooring Underlayment	0.40
09 64 13 00-0006	SF	6 Mil Thick, Polyethylene Film, Wood Flooring Underlayment	0.49
09 64 13 00-0007	SF	8 Mil Thick, Polyethylene Film, Wood Flooring Underlayment	0.57
09 64 13 00-0008	SF	1/8" Thick, Natural Cork, Wood Flooring Underlayment	1.35
09 64 13 00-0009	SF	1/4" Thick, Natural Cork, Wood Flooring Underlayment	1.41
09 64 13 00-0010	SF	3/32" Thick, Polyethylene Foam, Wood Flooring Underlayment (Roberts® Unison™ 70-025-15)	0.56
09 64 13 00-0011	SF	2.0mm Thick, Progressive Foam Technology, Wood Flooring Underlayment (Roberts® Quiet Cushion 70-180)	0.66
09 64 13 00-0012	SF	4.0mm Thick, Compressed Fiber, Wood Flooring Underlayment (Roberts® Super Felt 70-193)	0.71
09 64 13 00-0013	SF	2.5mm Thick, Closed Cell Foam, Wood Flooring Underlayment (Roberts® Black Jack™ 70-026)	0.84
09 64 13 00-0014	SF	1/8" Thick, Moisture Barrier, Sound Reduction And Cushioning, Wood Flooring Underlayment (Roberts® AirGuard™ 70-105)	0.85

09 64 23 Wood Parquet Flooring *(09 64)*

Note: All wood parquet flooring is prefinished at factory.

09 64 23 00-0001 Hardwood Parquet Flooring *(09 64 23)*

09 64 23 00-0002	SF	Oak Parquet Flooring 5/16" Thick	9.53	0.78
		For Up To 20, Add	*3.63*	
		For >20 To 50, Add	*1.93*	
		For >50 To 100, Add	*0.97*	
		For >100 To 300, Add	*0.48*	

09 64 29 Wood Strip And Plank Flooring *(09 64)*

Note: All wood strip flooring is unfinished, tongue and groove.

09 64 29 00-0001 Unfinished Fir, Wood Strip Flooring *(09 64 29)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 29 00-0002	SF	3-1/8" Plank Width, 3/4" Thick, Plain Sawn, Clear Vertical Grain (C Or Better) Unfinished Fir, Wood Strip Flooring	8.38	0.78
		For Factory Finish, Add	*0.49*	
		For Random Width Floor, Add	*1.92*	
		For Up To 20, Add	*2.84*	
		For >20 To 50, Add	*1.54*	
		For >50 To 100, Add	*0.77*	
		For >100 To 300, Add	*0.39*	

09 64 29 00-0003 Unfinished Oak, Wood Strip Flooring *(09 64 29)*

09 64 29 00-0004 Unfinished White Oak, Wood Strip Flooring *(09 64 29 00-0003)*

09 64 29 00-0005	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring	7.15	0.78
		For Factory Finish, Add	*0.25*	
		For Random Width Floor, Add	*1.56*	
		For Up To 20, Add	*3.15*	
		For >20 To 50, Add	*1.64*	
		For >50 To 100, Add	*0.82*	
		For >100 To 300, Add	*0.41*	
09 64 29 00-0006	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring	7.48	0.78
		For Factory Finish, Add	*0.29*	
		For Random Width Floor, Add	*1.64*	
		For Up To 20, Add	*3.20*	
		For >20 To 50, Add	*1.67*	
		For >50 To 100, Add	*0.84*	
		For >100 To 300, Add	*0.42*	
09 64 29 00-0007	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring	7.97	0.78
		For Factory Finish, Add	*0.34*	
		For Random Width Floor, Add	*1.76*	
		For Up To 20, Add	*3.27*	
		For >20 To 50, Add	*1.72*	
		For >50 To 100, Add	*0.86*	
		For >100 To 300, Add	*0.43*	
09 64 29 00-0008	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring	6.17	0.78
		For Factory Finish, Add	*0.27*	
		For Random Width Floor, Add	*1.37*	
		For Up To 20, Add	*2.51*	
		For >20 To 50, Add	*1.32*	
		For >50 To 100, Add	*0.66*	
		For >100 To 300, Add	*0.33*	
09 64 29 00-0009	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring	6.43	0.78
		For Factory Finish, Add	*0.29*	
		For Random Width Floor, Add	*1.43*	
		For Up To 20, Add	*2.55*	
		For >20 To 50, Add	*1.35*	
		For >50 To 100, Add	*0.67*	
		For >100 To 300, Add	*0.34*	
09 64 29 00-0010	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring	6.94	0.78
		For Factory Finish, Add	*0.34*	
		For Random Width Floor, Add	*1.56*	
		For Up To 20, Add	*2.63*	
		For >20 To 50, Add	*1.40*	
		For >50 To 100, Add	*0.70*	
		For >100 To 300, Add	*0.35*	

09 64 29 00-0011 Unfinished Red Oak, Wood Strip Flooring *(09 64 29 00-0003)*

09 64 29 00-0012	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring	7.20	0.78
		For Factory Finish, Add	*0.26*	
		For Random Width Floor, Add	*1.57*	
		For Up To 20, Add	*3.15*	
		For >20 To 50, Add	*1.64*	
		For >50 To 100, Add	*0.82*	
		For >100 To 300, Add	*0.41*	
09 64 29 00-0013	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring	7.53	0.78
		For Factory Finish, Add	*0.29*	
		For Random Width Floor, Add	*1.65*	
		For Up To 20, Add	*3.20*	
		For >20 To 50, Add	*1.68*	
		For >50 To 100, Add	*0.84*	
		For >100 To 300, Add	*0.42*	
09 64 29 00-0014	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring	8.03	0.78
		For Factory Finish, Add	*0.34*	
		For Random Width Floor, Add	*1.78*	
		For Up To 20, Add	*3.28*	
		For >20 To 50, Add	*1.73*	
		For >50 To 100, Add	*0.86*	
		For >100 To 300, Add	*0.43*	
09 64 29 00-0015	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring	6.22	0.78
		For Factory Finish, Add	*0.27*	
		For Random Width Floor, Add	*1.38*	
		For Up To 20, Add	*2.52*	
		For >20 To 50, Add	*1.33*	
		For >50 To 100, Add	*0.66*	
		For >100 To 300, Add	*0.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 29 00-0016	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring	6.55	0.78
		For Factory Finish, Add	*0.30*	
		For Random Width Floor, Add	*1.46*	
		For Up To 20, Add	*2.57*	
		For >20 To 50, Add	*1.36*	
		For >50 To 100, Add	*0.68*	
		For >100 To 300, Add	*0.34*	
09 64 29 00-0017	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring	7.00	0.78
		For Factory Finish, Add	*0.35*	
		For Random Width Floor, Add	*1.57*	
		For Up To 20, Add	*2.63*	
		For >20 To 50, Add	*1.40*	
		For >50 To 100, Add	*0.70*	
		For >100 To 300, Add	*0.35*	

09 64 29 00-0018 Unfinished Maple, Wood Strip Flooring *(09 64 29)*

09 64 29 00-0019 25/32" Thick, Unfinished Maple, Wood Strip Flooring *(09 64 29 00-0018)*

09 64 29 00-0020	SF	2-1/4" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	8.42	0.78
		For Factory Finish, Add	*0.38*	
		For Random Width Floor, Add	*1.87*	
		For Up To 20, Add	*3.34*	
		For >20 To 50, Add	*1.76*	
		For >50 To 100, Add	*0.88*	
		For >100 To 300, Add	*0.44*	
09 64 29 00-0021	SF	2-1/4" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	7.86	0.78
		For Factory Finish, Add	*0.33*	
		For Random Width Floor, Add	*1.73*	
		For Up To 20, Add	*3.25*	
		For >20 To 50, Add	*1.71*	
		For >50 To 100, Add	*0.85*	
		For >100 To 300, Add	*0.43*	
09 64 29 00-0022	SF	3" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	7.55	0.78
		For Factory Finish, Add	*0.40*	
		For Random Width Floor, Add	*1.71*	
		For Up To 20, Add	*2.72*	
		For >20 To 50, Add	*1.46*	
		For >50 To 100, Add	*0.73*	
		For >100 To 300, Add	*0.36*	
09 64 29 00-0023	SF	3" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	7.00	0.78
		For Factory Finish, Add	*0.35*	
		For Random Width Floor, Add	*1.57*	
		For Up To 20, Add	*2.63*	
		For >20 To 50, Add	*1.40*	
		For >50 To 100, Add	*0.70*	
		For >100 To 300, Add	*0.35*	

09 64 29 00-0024 33/32" Thick, Unfinished Maple, Wood Strip Flooring *(09 64 29 00-0018)*

09 64 29 00-0025	SF	2-1/4" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	9.61	0.78
		For Factory Finish, Add	*0.50*	
		For Random Width Floor, Add	*2.17*	
		For Up To 20, Add	*3.52*	
		For >20 To 50, Add	*1.88*	
		For >50 To 100, Add	*0.94*	
		For >100 To 300, Add	*0.47*	
09 64 29 00-0026	SF	2-1/4" Plank Width, 33/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	8.87	0.78
		For Factory Finish, Add	*0.43*	
		For Random Width Floor, Add	*1.99*	
		For Up To 20, Add	*3.41*	
		For >20 To 50, Add	*1.81*	
		For >50 To 100, Add	*0.90*	
		For >100 To 300, Add	*0.45*	
09 64 29 00-0027	SF	3" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	8.81	0.78
		For Factory Finish, Add	*0.53*	
		For Random Width Floor, Add	*2.03*	
		For Up To 20, Add	*2.91*	
		For >20 To 50, Add	*1.59*	
		For >50 To 100, Add	*0.79*	
		For >100 To 300, Add	*0.40*	
09 64 29 00-0028	SF	3" Plank Width, 33/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	8.08	0.78
		For Factory Finish, Add	*0.46*	
		For Random Width Floor, Add	*1.84*	
		For Up To 20, Add	*2.80*	
		For >20 To 50, Add	*1.51*	
		For >50 To 100, Add	*0.76*	
		For >100 To 300, Add	*0.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 29 00-0029		Prefinished Engineered Wood Flooring *(09 64 29)* Note: Glued or nailed. Excludes underlayment. See CSI section 09 64 13 00-0001 for wood flooring underlayment.		
09 64 29 00-0030	SF	1/2" Thick, Red Oak, Prefinished Engineered Wood Flooring	9.39	0.78
		For Up To 20, Add	*2.79*	
		For >20 To 50, Add	*1.55*	
		For >50 To 100, Add	*0.78*	
		For >100 To 300, Add	*0.39*	
09 64 29 00-0031	SF	1/2" Thick, White Oak, Prefinished Engineered Wood Flooring	9.39	0.78
		For Up To 20, Add	*2.79*	
		For >20 To 50, Add	*1.55*	
		For >50 To 100, Add	*0.78*	
		For >100 To 300, Add	*0.39*	
09 64 29 00-0032	SF	1/2" Thick, Select Maple, Prefinished Engineered Wood Flooring	9.12	0.78
		For Up To 20, Add	*2.75*	
		For >20 To 50, Add	*1.53*	
		For >50 To 100, Add	*0.76*	
		For >100 To 300, Add	*0.38*	
09 64 29 00-0033	SF	1/2" Thick, Natural Hickory, Prefinished Engineered Wood Flooring	9.33	0.78
		For Up To 20, Add	*2.78*	
		For >20 To 50, Add	*1.55*	
		For >50 To 100, Add	*0.77*	
		For >100 To 300, Add	*0.39*	
09 64 66		**Wood Athletic Flooring** *(09 64)* Note: On shims, sleepers and/or screeds. 1-1/2" or 2-1/4" widths. Excludes finish.		
09 64 66 00-0001		Wood Gym/Stage/Dance Floors *(09 64 66)* Note: Includes sanding and vent cove base. Excludes concrete repairs to subbase, thresholds, and finishing.		
09 64 66 00-0002	SF	25/32" Maple Wood Gym/Stage/Dance Floor	10.25	3.91
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
		For #1 Grade Material, Add	*0.50*	
09 64 66 00-0003	SF	Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Resilient Pads (Connor DuraCushion) Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/8" resilient pads.	13.61	5.09
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
		For #1 Grade Material, Add	*0.50*	
09 64 66 00-0004	SF	Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Two Stage Resilient Pads (Connor NeoShok) Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/4" hemispherical two stage polyurethane resilient pads.	14.32	5.09
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
		For #1 Grade Material, Add	*0.50*	
09 64 66 00-0005	SF	Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Subfloor With Continuous Steel Channel Encased Sleepers And Resilient Pads (Connor PermaFlex) Note: Includes 6 mil polyethylene vapor barrier, one layer of 15/32" plywood subfloor, a continuous steel channel encasing a 23/32" fixed sleeper, a 7/16" resilient pad and a 23/32" flex sleeper.	15.80	5.09
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
		For #1 Grade Material, Add	*0.50*	
09 64 66 00-0006	SF	Fixed Resilient 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Panel Subfloor With Resilient Pads (Connor Focus) Note: Includes 6 mil polyethylene vapor barrier, one layer of 3/4" subfloor, 9/16" resilient pads and concrete anchors and clips.	15.11	5.09
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
		For #1 Grade Material, Add	*0.50*	
09 64 66 00-0007	SF	Clip And Channel, Fixed 33/32" Maple Wood Gym/Stage/Dance Floor System (Connor PermaLock) Note: Includes 6 mil polyethylene vapor barrier, one layer of 1/2" impregnated fiberboard with channel grooves for 16 gauge steel anchor channel.	17.24	5.09
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
		For #1 Grade Material, Add	*0.50*	
09 65		Resilient Flooring *(09 60)* See CSI section 03 54 16 00-0001 for self leveling underlayment for uneven floors.		
09 65 13		**Resilient Base And Accessories** *(09 65)*		
09 65 13 13		**Resilient Base** *(09 65 13)*		
09 65 13 13-0001		Vinyl Plastic Wall Base *(09 65 13 13)* Note: Includes inside and outside premolded corners.		
09 65 13 13-0002	LF	4" High, 1/8" Vinyl Plastic Base, All Colors	2.81	1.01
09 65 13 13-0003	LF	6" High, 1/8" Vinyl Plastic Base, All Colors	3.75	1.22
09 65 13 13-0004		1/8" Thick Rubber Wall Base *(09 65 13 13)*		
09 65 13 13-0005	LF	4" High, 1/8" Rubber Base, Group 1 Black, Russet And Umber	3.14	1.22
09 65 13 13-0006	LF	6" High, 1/8" Rubber Base, Group 1 Black, Russet And Umber	3.33	1.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 13-0007	LF	4" High, 1/8" Rubber Base, Group 2 All (Except White)	3.21	1.22
09 65 13 13-0008	LF	6" High, 1/8" Rubber Base, Group 2 All (Except White)	3.47	1.22
09 65 13 13-0009	LF	4" High, 1/8" Rubber Base, Group 3 White Only	3.09	1.22
09 65 13 13-0010	LF	6" High, 1/8" Rubber Base, Group 3 Only	3.35	1.22
09 65 13 13-0011	EA	4" High, 1/8" Rubber Corner	3.69	1.22
09 65 13 13-0012	EA	6" High, 1/8" Rubber Corner	3.98	1.22

09 65 13 23 Resilient Stair Treads And Risers *(09 65 13)*

Note: All treads have integral nosing. Abrasive strip modifiers include either 1 or 2 strips running the length of the tread. All colors.

09 65 13 23-0001 Rubber Stair Treads and Risers *(09 65 13 23)*

09 65 13 23-0002 Raised Disc Or Other Patterned Rubber Stair Tread *(09 65 13 23-0001)*

09 65 13 23-0003	LF	3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Raised disc or other pattern.	13.97	1.62
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	
09 65 13 23-0004	LF	1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Raised disc or other pattern.	15.02	1.75
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	
09 65 13 23-0005	LF	5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Raised disc or other pattern.	18.32	1.87
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	

09 65 13 23-0006 Smooth Surface Rubber Stair Tread *(09 65 13 23-0001)*

09 65 13 23-0007	LF	3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Smooth surface.	13.13	1.62
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	
09 65 13 23-0008	LF	1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Smooth surface.	14.06	1.75
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	
09 65 13 23-0009	LF	5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Smooth surface.	17.09	1.87
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	

09 65 13 23-0010 Smooth Surface Rubber Stair Riser *(09 65 13 23-0001)*

09 65 13 23-0011	LF	1/8" Thick, Smooth Surface Rubber Stair Riser	7.65	0.97

09 65 13 23-0012 Smooth, Raised Disc or Other Patterned Rubber Landing Mats *(09 65 13 23-0001)*

09 65 13 23-0013	SF	1/8" Thick, Rubber Landing Mats Note: Smooth, raised disc or other patterned surface.	15.00	1.50
09 65 13 23-0014	SF	3/16" Thick, Rubber Landing Mats Note: Smooth, raised disc or other patterned surface.	17.78	1.62
09 65 13 23-0015	SF	7/32" Thick, Rubber Landing Mats Note: Smooth, raised disc or other patterned surface.	19.28	1.83

09 65 13 23-0016 Vinyl Stair Treads and Risers *(09 65 13 23)*

09 65 13 23-0017 Ribbed Vinyl Stair Tread *(09 65 13 23-0016)*

09 65 13 23-0018	LF	1/8" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread	10.70	1.48
		For Abrasive Strip, Add	*2.75*	
09 65 13 23-0019	LF	3/16" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread	11.80	1.62
		For Abrasive Strip, Add	*2.75*	
09 65 13 23-0020	LF	1/4" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread	14.02	1.75
		For Abrasive Strip, Add	*2.75*	

09 65 13 23-0021 Smooth Surface Vinyl Stair Riser *(09 65 13 23-0016)*

09 65 13 23-0022	LF	1/8" Thick, 7" High, Smooth Surface Vinyl Stair Riser	6.05	0.97

09 65 13 33 Resilient Accessories *(09 65 13)*

09 65 13 33-0001 Flexible Self Leveling Cementitious Underlayments *(09 65 13 33)*

09 65 13 33-0002	SF	1/8" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers	1.30	0.81
09 65 13 33-0003	SF	1/4" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers	1.95	0.81

09 65 13 33-0004 Concrete Floor Prep *(09 65 13 33)*

09 65 13 33-0005	SF	Remove Glue From Concrete Floor Note: For removal of glue from VCT or carpet placement. Not to be used in conjunction with demolition tasks associated with floor tile installation.	1.01	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 65 13 36 Resilient Carpet Transitions *(09 65 13)*

09 65 13 36-0001 Vinyl Transition Strip *(09 65 13 36)*

09 65 13 36-0002	LF	Vinyl Transition Strip, Brown Or Black		1.61	0.73
09 65 13 36-0003	LF	Vinyl Floor Tile Reducer Strip, Brown Or Black		1.48	0.73
09 65 13 36-0004	LF	Vinyl Floor Tile Feature Strip, Brown Or Black		1.33	0.73

09 65 16 Resilient Sheet Flooring *(09 65)*

09 65 16 23 Vinyl Sheet Flooring *(09 65 16)*

09 65 16 23-0001 Vinyl Sheet Flooring *(09 65 16 23)*

Note: For flash cove application, add additional square foot of material to form cove base.

09 65 16 23-0002	SF	0.080" Overall Thickness, 0.080" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring (Armstrong® Medintech®)		6.07	0.61
		For Up To 40, Add		*2.83*	
		For >40 To 100, Add		*1.41*	
		For >1,000, Deduct		*-0.48*	
09 65 16 23-0003	SF	0.080" Overall Thickness, 0.080" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring (Armstrong® Medley™)		5.04	0.61
		For Up To 40, Add		*2.62*	
		For >40 To 100, Add		*1.31*	
		For >1,000, Deduct		*-0.38*	
09 65 16 23-0004	SF	0.080" Overall Thickness, 0.050" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring (Armstrong® Connection Corlon®)		3.43	0.61
		For Up To 40, Add		*2.30*	
		For >40 To 100, Add		*1.15*	
		For >1,000, Deduct		*-0.22*	
09 65 16 23-0005	SF	0.080" Overall Thickness, 0.040" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring (Armstrong® Possibilities® Petit Point™)		4.33	0.61
		For Up To 40, Add		*2.48*	
		For >40 To 100, Add		*1.24*	
		For >1,000, Deduct		*-0.31*	
09 65 16 23-0006	SF	0.080" Overall Thickness, 0.060" Wear Layer, Inlaid With Felt Backing, Commercial Vinyl Sheet Flooring (Armstrong® Medintech Tandem®)		5.65	0.61
		For Up To 40, Add		*2.74*	
		For >40 To 100, Add		*1.37*	
		For >1,000, Deduct		*-0.44*	
09 65 16 23-0007	SF	0.080" Overall Thickness, 0.020" Wear Layer, Slip Retardant Surface, Commercial Vinyl Sheet Flooring (Armstrong® Safeguard®)		7.65	0.61
		For Up To 40, Add		*3.14*	
		For >40 To 100, Add		*1.57*	
		For >1,000, Deduct		*-0.64*	

09 65 16 23-0008 Heat Welding Vinyl Sheet Flooring Seams *(09 65 16 23)*

Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.

09 65 16 23-0009	LF	Heat Weld Non-Patterned Vinyl Sheet Flooring Seams		5.56	
09 65 16 23-0010	LF	Heat Weld Patterned Vinyl Sheet Flooring Seams		5.78	

09 65 19 Resilient Tile Flooring *(09 65)*

Note: Includes mastic and cleaning floor after installation is complete. Demolition includes removal of the tile and adhesive and cleaning of the surface for a new floor.

09 65 19 19 Vinyl Composition Tile Flooring *(09 65 19)*

09 65 19 19-0001 Vinyl Composition Tile (VCT) *(09 65 19 19)*

Note: The following vinyl composition tiles are certified to ASTM F 1066 Class 1 solid color tile, Class 2 through pattern tile or Class 3 surface pattern tile as listed in the task description.

09 65 19 19-0002	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Imperial Texture®)		2.55	1.22
		For Up To 100, Add		*0.20*	
		For >1,000 To 3,000, Deduct		*-0.06*	
		For >3,000 To 6,000, Deduct		*-0.15*	
		For >6,000, Deduct		*-0.29*	
		For 3/32" Thick, Deduct		*-0.11*	
		For Extra Stock, Material Only, Deduct		*-1.43*	
		For Up To 20, Add		*0.98*	
		For >20 To 40, Add		*0.56*	
09 65 19 19-0003	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon MultiColor™)		2.55	1.22
		For Up To 100, Add		*0.20*	
		For >1,000 To 3,000, Deduct		*-0.06*	
		For >3,000 To 6,000, Deduct		*-0.15*	
		For >6,000, Deduct		*-0.29*	
		For Extra Stock, Material Only, Deduct		*-1.43*	
		For Up To 20, Add		*0.98*	
		For >20 To 40, Add		*0.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19 19-0004	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Rave®)	2.55	1.22
		For Up To 100, Add	*0.20*	
		For >1,000 To 3,000, Deduct	*-0.06*	
		For >3,000 To 6,000, Deduct	*-0.15*	
		For >6,000, Deduct	*-0.29*	
		For Extra Stock, Material Only, Deduct	*-1.43*	
		For Up To 20, Add	*0.98*	
		For >20 To 40, Add	*0.56*	
09 65 19 19-0005	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® ChromaSpin™)	3.55	1.22
		For Up To 100, Add	*0.25*	
		For >1,000 To 3,000, Deduct	*-0.08*	
		For >3,000 To 6,000, Deduct	*-0.19*	
		For >6,000, Deduct	*-0.35*	
		For Extra Stock, Material Only, Deduct	*-1.43*	
		For Up To 20, Add	*1.13*	
		For >20 To 40, Add	*0.66*	
09 65 19 19-0006	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Companion Square®)	3.56	1.22
		For Up To 100, Add	*0.25*	
		For >1,000 To 3,000, Deduct	*-0.08*	
		For >3,000 To 6,000, Deduct	*-0.19*	
		For >6,000, Deduct	*-0.35*	
		For Extra Stock, Material Only, Deduct	*-1.43*	
		For Up To 20, Add	*1.13*	
		For >20 To 40, Add	*0.66*	
09 65 19 19-0007	SF	1/8" Thick, Class 3 Surface Pattern, Vinyl Composition Tile (VCT) (Armstrong® Arteffects®)	3.75	1.22
		For Up To 100, Add	*0.26*	
		For >1,000 To 3,000, Deduct	*-0.08*	
		For >3,000 To 6,000, Deduct	*-0.20*	
		For >6,000, Deduct	*-0.36*	
		For Extra Stock, Material Only, Deduct	*-1.43*	
		For Up To 20, Add	*1.16*	
		For >20 To 40, Add	*0.68*	
09 65 19 19-0008	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Stonetex®)	3.78	1.22
		For Up To 100, Add	*0.26*	
		For >1,000 To 3,000, Deduct	*-0.08*	
		For >3,000 To 6,000, Deduct	*-0.20*	
		For >6,000, Deduct	*-0.36*	
		For Extra Stock, Material Only, Deduct	*-1.43*	
		For Up To 20, Add	*1.17*	
		For >20 To 40, Add	*0.68*	
09 65 19 19-0009	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Raffia™)	3.90	1.22
		For Up To 100, Add	*0.27*	
		For >1,000 To 3,000, Deduct	*-0.09*	
		For >3,000 To 6,000, Deduct	*-0.21*	
		For >6,000, Deduct	*-0.37*	
		For Extra Stock, Material Only, Deduct	*-1.43*	
		For Up To 20, Add	*1.19*	
		For >20 To 40, Add	*0.69*	
09 65 19 19-0010	SF	1/8" Thick, Slip Retardant, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Safety Zone™)	5.00	1.22
		For Up To 100, Add	*0.33*	
		For >1,000 To 3,000, Deduct	*-0.11*	
		For >3,000 To 6,000, Deduct	*-0.25*	
		For >6,000, Deduct	*-0.44*	
		For Extra Stock, Material Only, Deduct	*-1.43*	
		For Up To 20, Add	*1.35*	
		For >20 To 40, Add	*0.80*	
09 65 19 19-0011	SF	1/8" Thick, Class 1 Solid Color, Vinyl Composition Tile (VCT) (Armstrong® Excelon Feature™)	5.43	1.22
		For Up To 100, Add	*0.35*	
		For >1,000 To 3,000, Deduct	*-0.12*	
		For >3,000 To 6,000, Deduct	*-0.27*	
		For >6,000, Deduct	*-0.46*	
		For Extra Stock, Material Only, Deduct	*-1.43*	
		For Up To 20, Add	*1.41*	
		For >20 To 40, Add	*0.84*	
09 65 19 19-0012	SF	1/8" Thick, Static Dissipative, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® SDT™)	7.11	1.22
		For Up To 100, Add	*0.43*	
		For >1,000 To 3,000, Deduct	*-0.15*	
		For >3,000 To 6,000, Deduct	*-0.34*	
		For >6,000, Deduct	*-0.56*	
		For Extra Stock, Material Only, Deduct	*-1.43*	
		For Up To 20, Add	*1.67*	
		For >20 To 40, Add	*1.01*	

09 65 19 23 Vinyl Tile Flooring *(09 65 19)*

09 65 19 23-0001 Vinyl Tile *(09 65 19 23)*
Note: Any size.

09 65 19 23-0002 Solid Vinyl Tile (SVT) *(09 65 19 23-0001)*
Note: The following solid vinyl tiles are certified to ASTM F 1700.

09 65 19 23-0003	SF	1/8" Thick, Class 1 Type A, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Cortina Grande)	6.15	1.22
		For Up To 100, Add	*0.41*	
		For >1,000 To 3,000, Deduct	*-0.13*	
		For >3,000 To 6,000, Deduct	*-0.32*	
		For >6,000, Deduct	*-0.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19 23-0004	SF	1/8" Thick, Class 1 Type A, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Karim Kolors)	6.30	1.22
		For Up To 100, Add	*0.42*	
		For >1,000 To 3,000, Deduct	*-0.14*	
		For >3,000 To 6,000, Deduct	*-0.32*	
		For >6,000, Deduct	*-0.57*	
		For Up To 20, Add	*1.78*	
		For >20 To 40, Add	*1.05*	
09 65 19 23-0005	SF	1/8" Thick, Slip Retardant, Class 1 Type B, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Cortina Grande SR)	6.40	1.22
		For Up To 100, Add	*0.42*	
		For >1,000 To 3,000, Deduct	*-0.14*	
		For >3,000 To 6,000, Deduct	*-0.33*	
		For >6,000, Deduct	*-0.57*	

09 65 19 23-0006 Luxury Vinyl Tile (LVT) *(09 65 19 23-0001)*

09 65 19 23-0007	SF	2.5mm Thick, Luxury Vinyl Tile (LVT) (Mannington, Amtico)	7.97	1.22
		For Up To 100, Add	*0.50*	
		For >1,000 To 3,000, Deduct	*-0.17*	
		For >3,000 To 6,000, Deduct	*-0.39*	
		For >6,000, Deduct	*-0.67*	

09 65 19 33 Rubber Tile Flooring *(09 65 19)*

09 65 19 33-0001 Rubber Tile *(09 65 19 33)*

09 65 19 33-0002 Rubber Tile With Raised Discs, Assorted Colors *(09 65 19 33-0001)*

09 65 19 33-0003	SF	1/8" Thick Rubber Tile Note: Smooth, raised disc or other patterned surface.	12.09	0.73
		For Up To 100, Add	*0.68*	
09 65 19 33-0004	SF	3/16" Thick Rubber Tile Note: Smooth, raised disc or other patterned surface.	14.59	0.81
		For Up To 100, Add	*0.81*	
09 65 19 33-0005	SF	7/32" Thick Rubber Tile Note: Smooth, raised disc or other patterned surface.	15.93	0.81
		For Up To 100, Add	*0.88*	

09 65 19 43 Polyester Composition Tile Flooring *(09 65 19)*

09 65 19 43-0001 Polyester Composition Floor Tile *(09 65 19 43)*

Note: Any size.

09 65 19 43-0002	SF	1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Migrations®)	3.62	1.22
		For Up To 100, Add	*0.26*	
		For >1,000 To 3,000, Deduct	*-0.08*	
		For >3,000 To 6,000, Deduct	*-0.20*	
		For >6,000, Deduct	*-0.35*	
		For Extra Stock, Material Only, Deduct	*-1.43*	
		For Up To 20, Add	*1.14*	
		For >20 To 40, Add	*0.66*	
09 65 19 43-0003	SF	1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Striations®)	4.07	1.22
		For Up To 100, Add	*0.28*	
		For >1,000 To 3,000, Deduct	*-0.09*	
		For >3,000 To 6,000, Deduct	*-0.22*	
		For >6,000, Deduct	*-0.38*	
		For Extra Stock, Material Only, Deduct	*-1.43*	
		For Up To 20, Add	*1.21*	
		For >20 To 40, Add	*0.71*	

09 65 43 Linoleum Flooring *(09 65)*

09 65 43 00-0001 Linoleum Flooring *(09 65 43)*

09 65 43 00-0002	SF	Linoleum Tile (Forbo Marmoleum Composition Tile, MCT)	4.38	1.22
09 65 43 00-0003	SF	2.5mm, Linoleum Sheet (Forbo Marmoleum)	3.15	0.61
		For 3.2mm Thickness, Add	*0.38*	
		For 2mm Thickness, Deduct	*-0.18*	
09 65 43 00-0004	LF	Heat Weld Linoleum Sheet Flooring Seams Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.	5.57	

09 65 66 Resilient Athletic Flooring *(09 65)*

09 65 66 00-0001 Sheet Goods For Gym *(09 65 66)*

09 65 66 00-0002	SF	1/4" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor	7.80	3.41
09 65 66 00-0003	SF	9/32" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor	7.97	3.41
09 65 66 00-0004	SF	3/8" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor	8.15	3.41
09 65 66 00-0005	SF	1/8" Rubber Sheet Good For Gym Floor Base	7.59	3.79
09 65 66 00-0006	SF	3/16" Rubber Sheet Good For Gym Floor Base	9.57	4.54
09 65 66 00-0007	SF	1/4" Rubber Sheet Good For Gym Floor Base	10.78	5.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 66 00-0008		**Interlocking Rubber Flooring** *(09 65 66)*		
09 65 66 00-0009	SF	3/8" Interlocking Rubber Athletic Flooring (Pawling HL-155)	20.95	0.56
		Note: Black with hidden or exposed locks.		
		For Colors, Add	*2.52*	
09 65 66 00-0010	SF	9/16" Interlocking Rubber Athletic Flooring (Pawling HL-100)	32.15	0.56
		Note: Black with hidden or exposed locks.		
		For Colors, Add	*3.92*	
09 65 66 00-0011	SF	7/16" Interlocking Rubber Athletic Flooring (Pawling PL-100)	18.70	0.56
		Note: Black with hidden or exposed locks.		
		For Colors, Add	*2.24*	
09 65 66 00-0012	SF	9/16" Interlocking Rubber Athletic Flooring (Pawling PL-200)	22.37	0.56
		Note: Black with hidden or exposed locks.		
		For Colors, Add	*2.70*	
09 65 66 00-0013	SF	7/16" Interlocking Rubber Athletic Flooring (Pawling FL-150)	18.70	0.56
		Note: Black with hidden or exposed locks.		
		For Colors, Add	*2.24*	
09 65 66 00-0014		**Polyurethane Floor Systems** *(09 65 66)*		
		See CSI section 09 93 23 53-0022 for game lines.		
09 65 66 00-0015	SF	7 mm Thick Base Coat, 2 mm Thick Top Coat, Polyurethane Floor System With Polyurethane/Rubber Granulate Base (Robbins Pulastic)	13.17	1.62
09 65 66 00-0016	SF	9 mm Thick Base Coat, 2 mm Thick Top Coat, Polyurethane Floor System With Polyurethane/Rubber Granulate Base (Robbins Pulastic)	14.39	1.62

09 66 Terrazzo Flooring *(09 60)*

09 66 13 Portland Cement Terrazzo Flooring *(09 66)*

Note: Excludes divider strips. See CSI section 09 66 33 00-0000 for conductive terrazzo.

09 66 13 00-0001		**Floors Bonded To Concrete** *(09 66 13)*		
		Note: 1-3/4" Thick - 5/8" topping.		
09 66 13 00-0002	SF	Terrazzo Floor, Bonded To Concrete, Gray Cement 1-3/4" Thick With 5/8" Topping	19.53	2.29
		For Venetian Type Terrazzo, Add	*5.07*	
		For Abrasive Heavy Duty Terrazzo, Add	*5.07*	
		For Colors, Add	*2.53*	
		For Up To 100, Add	*4.77*	
		For >100 To 250, Add	*2.39*	
09 66 13 00-0003	SF	Terrazzo Floor, Bonded To Concrete, White Cement 1-3/4" Thick With 5/8" Topping	19.65	2.29
		For Venetian Type Terrazzo, Add	*5.13*	
		For Abrasive Heavy Duty Terrazzo, Add	*5.13*	
		For Colors, Add	*2.56*	
		For Up To 100, Add	*4.79*	
		For >100 To 250, Add	*2.39*	
09 66 13 00-0004		**Floors Not Bonded To Concrete** *(09 66 13)*		
		Note: 3" Thick - 5/8" topping and 1/4" sand cushion.		
09 66 13 00-0005	SF	Terrazzo Floor, Not Bonded, Gray Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion	24.51	2.29
		For Venetian Type Terrazzo, Add	*6.14*	
		For Abrasive Heavy Duty Terrazzo, Add	*6.14*	
		For Colors, Add	*3.07*	
		For Up To 100, Add	*6.12*	
		For >100 To 250, Add	*3.06*	
09 66 13 00-0006	SF	Terrazzo Floor, Not Bonded, White Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion	24.63	2.29
		For Venetian Type Terrazzo, Add	*6.20*	
		For Abrasive Heavy Duty Terrazzo, Add	*6.20*	
		For Colors, Add	*3.10*	
		For Up To 100, Add	*6.13*	
		For >100 To 250, Add	*3.07*	
09 66 13 00-0007		**Monolithic Terrazzo** *(09 66 13)*		
09 66 13 00-0008	SF	Monolithic Terrazzo, 3-1/2" Base 5/8" Topping, 4'-5' Square Panels Topping (Including Mesh And Felt)	13.38	2.29
		For Venetian Type Terrazzo, Add	*4.47*	
		For Abrasive Heavy Duty Terrazzo, Add	*4.47*	
		For Colors, Add	*2.24*	
		For Up To 100, Add	*2.67*	
		For >100 To 250, Add	*1.34*	
09 66 13 00-0009		**Terrazzo Wainscot** *(09 66 13)*		
09 66 13 00-0010	SF	Terrazzo Wainscot Cast In Place 1-1/2" Thick Bonded To Concrete Or Masonry 1-1/2" Thick	26.92	3.05
		For Venetian Type Terrazzo, Add	*3.28*	
09 66 13 00-0011		**Terrazzo Base** *(09 66 13)*		
09 66 13 00-0012	SF	Terrazzo Base, Cast In Place, 6" Cove Type	27.30	2.34
		For Venetian Type Terrazzo, Add	*7.16*	
09 66 13 00-0013		**Terrazzo Curb** *(09 66 13)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 13 00-0014	LF	6" x 6" Terrazzo Curb, Cast In Place, Polished Top And 2 Faces	71.01	15.57
		For Venetian Type Terrazzo, Add	*9.54*	

09 66 13 00-0015 Stairs Cast In Place *(09 66 13)*

Note: Topping applied to concrete or metal.

09 66 13 00-0016	LF	Cast In Place Terrazzo Stair, 1-1/2" Thick x 12" Wide, Applied To Concrete Or Metal	27.57	4.58
		For Each SF Of Abrasive Surface Finish, Add	*0.35*	
		For Each LF Of Embedded Abrasive Strips, Add	*0.56*	
		For Each LF Of Abrasive Metal Nosing, Add	*3.90*	
		For Each SF Of Landings, Add	*1.50*	
09 66 13 00-0017	LF	Cast In Place Terrazzo Stair Tread And Riser, Applied To Concrete Or Metal	69.32	15.27
		For Each SF Of Abrasive Surface Finish, Add	*0.35*	
		For Each LF Of Embedded Abrasive Strips, Add	*0.56*	
		For Each LF Of Abrasive Metal Nosing, Add	*3.90*	
		For Each SF Of Landings, Add	*1.50*	
09 66 13 00-0018	SF	Cast In Place Terrazzo Stair Stringer And Fascia, Applied To Concrete Or Metal	27.93	4.58
		For Each SF Of Abrasive Surface Finish, Add	*0.35*	
		For Each LF Of Embedded Abrasive Strips, Add	*0.56*	
		For Each LF Of Abrasive Metal Nosing, Add	*3.90*	
		For Each SF Of Landings, Add	*1.50*	

09 66 13 00-0019 Divider Strips *(09 66 13)*

09 66 13 00-0020	LF	Divider Strip, 14 Gauge, 1-1/4" Deep, Zinc	3.68	0.76
09 66 13 00-0021	LF	Divider Strip, 14 Gauge, 1-1/4" Deep, Brass	3.13	0.76
09 66 13 00-0022	LF	Heavy Top Strip, 1/4" Thick, 1-1/4" Deep, Zinc	5.60	0.76
09 66 13 00-0023	LF	Heavy Top Strip, 1/4" Thick, 1-1/4" Deep, Galvanized Bottom, Brass	7.91	0.76
09 66 13 00-0024	LF	Divider Strip For Thin Set Floors, 16 Gauge, 1/2" x 1/2" Zinc	3.59	0.76
09 66 13 00-0025	LF	Divider Strip For Thin Set Floors, 16 Gauge, 1/2" x 1/2" Brass	5.13	0.76
09 66 13 00-0026	LF	Divider Strip For Floor, Vinyl Plastic	3.60	0.76

09 66 16 Terrazzo Floor Tile *(09 66)*

09 66 16 00-0001 Flooring Tiles *(09 66 16)*

Note: Gray cement setting bed 3/16" polyester matrix or 1/2" cement matrix 12" x 12".

09 66 16 00-0002 Terrazzo Tiles With Non Slip Surface *(09 66 16 00-0001)*

09 66 16 00-0003	SF	9" x 9" x 1" Non Slip Precast Terrazzo, Thin Set Floor Tile	21.59	2.02
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 00-0004	SF	12" x 12" x 1" Non Slip Precast Terrazzo, Thin Set Floor Tile	22.03	2.02
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 00-0005	SF	12" x 12" x 1-1/2" Non Slip Precast Terrazzo, Thin Set Floor Tile	25.48	2.02
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 00-0006	SF	18" x 18" x 1-1/2" Non Slip Precast Terrazzo, Thin Set Floor Tile	27.22	2.02
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 00-0007	SF	24" x 24" x 1-1/2" Non Slip Precast Terrazzo, Thin Set Floor Tile	28.42	2.02
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	

09 66 16 00-0008 Terrazzo Tile Thin Set *(09 66 16 00-0001)*

09 66 16 00-0009	SF	Precast Terrazzo, 1/4"-1/2" Chips Floor Tiles, Thin Set Gray Cement Bed	21.36	2.02
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 00-0010	SF	Precast Terrazzo, 3/8"-1" Chips Floor Tiles, Thin Set Gray Cement Bed	22.76	2.02
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	

09 66 16 00-0011 Thin Set Terrazzo Wainscot *(09 66 16 00-0001)*

09 66 16 00-0012	SF	12" x 12" x 1" Terrazzo Tile Wainscot Thin Set	35.23	4.68
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 00-0013	SF	18" x 18" x 1-1/2" Terrazzo Tile Wainscot Thin Set	40.22	4.68
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	

09 66 16 00-0014 Thin Set Terrazzo Base, Gray Cement *(09 66 16 00-0001)*

09 66 16 00-0015	LF	6" High, Straight Terrazzo Base Thin Set, Gray Cement	11.68	2.34
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 00-0016	LF	6" High, Cove Terrazzo Base Thin Set, Gray Cement	12.97	2.34
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 00-0017	LF	8" High, Straight Terrazzo Base Thin Set, Gray Cement	13.56	2.34
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 16 00-0018	LF	8" High, Cove Terrazzo Base Thin Set, Gray Cement	14.21	2.34
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 00-0019		Terrazzo Curbs *(09 66 16 00-0001)*		
09 66 16 00-0020	LF	8" x 8" Curb, Terrazzo Tile	23.84	3.11
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 00-0021	LF	6" x 6" Curb, Terrazzo Tile	23.19	3.11
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 00-0022		Precast Terrazzo Stair Treads 12" Wide *(09 66 16 00-0001)*		
09 66 16 00-0023	LF	1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Diamond Pattern	55.28	3.11
09 66 16 00-0024	LF	1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Non Slip Surface	47.50	3.11
09 66 16 00-0025	LF	2" Precast Terrazzo Straight Stair Tread	42.32	3.11
09 66 16 00-0026	LF	2" Precast Terrazzo Curved Stair Tread	49.46	3.11
09 66 16 00-0027		Stair Risers, 1" Thick To 6" High, Straight *(09 66 16 00-0001)*		
09 66 16 00-0028	LF	1"-6" High Precast Terrazzo Stair Riser Straight Section, Thin Set	25.29	2.34
09 66 16 00-0029	LF	1"-6" High Precast Terrazzo Stair Riser Straight Cove Section, Thin Set	29.18	2.34
09 66 16 00-0030		Stair Risers, 1" Thick To 6" High, Curved *(09 66 16 00-0001)*		
09 66 16 00-0031	LF	1" To 6" High Precast Terrazzo Stair Riser Curved Vertical Section, Thin Set	36.96	2.34
09 66 16 00-0032	LF	1" To 6" High Precast Terrazzo Stair Riser Curved Cove Section, Thin Set	39.55	2.34
09 66 16 00-0033		Tread And Riser *(09 66 16)*		
09 66 16 00-0034		Stair Stringers, Notched For Treads And Risers *(09 66 16 00-0033)*		
09 66 16 00-0035	LF	1" Precast Terrazzo Stair Stringers Notched For Treads And Risers	62.20	6.23
09 66 16 00-0036	LF	2" Precast Terrazzo Stair Stringers Notched For Treads And Risers	74.98	6.23
09 66 16 00-0037		Structural Non-Slip Landings *(09 66 16 00-0033)*		
09 66 16 00-0038	SF	1-1/2" Thick Precast Terrazzo Stair Landing Structural, Non Slip	44.66	3.11
09 66 16 00-0039	SF	3" Thick Precast Terrazzo Stair Landing Structural, Non Slip	54.78	3.11
09 66 16 00-0040		Combined Tread And Riser *(09 66 16 00-0033)*		
09 66 16 00-0041		Straight Sections *(09 66 16 00-0040)*		
09 66 16 00-0042	LF	Precast Terrazzo Stair Tread And Riser 1-1/2" Tread, 3/4" Riser, Straight Section	96.58	6.23
09 66 16 00-0043	LF	Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Straight Section	114.73	6.23
09 66 16 00-0044		Curved Sections *(09 66 16 00-0040)*		
09 66 16 00-0045	LF	Precast Terrazzo Stair Tread And Riser 2" Tread, 1" Riser, Curved Section	120.62	6.23
09 66 16 00-0046	LF	Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Curved Section	151.75	6.23
09 66 23		**Resinous Matrix Terrazzo Flooring** *(09 66)*		
09 66 23 16		**Epoxy-Resin Terrazzo Flooring** *(09 66 23)*		
09 66 23 16-0001		Epoxy Terrazzo *(09 66 23 16)*		
09 66 23 16-0002	SF	Chemical Resistant Epoxy Terrazzo, 1/4" Thick	18.51	2.29
09 66 33		**Conductive Terrazzo Flooring** *(09 66)*		
		Note: For anti-static areas.		
09 66 33 13		**Conductive Epoxy-Resin Terrazzo** *(09 66 33)*		
09 66 33 13-0001	SF	Terrazzo, Epoxy System, Floor Sparkproof, Conductive, Industrial	19.18	3.89
09 66 33 13-0002	SF	Terrazzo, Epoxy System, Base Sparkproof, Conductive, Industrial	34.65	3.89
09 66 33 16		**Conductive Polyester-Resin Terrazzo Flooring** *(09 66 33)*		
09 66 33 16-0001	SF	Terrazzo, Polyester System, Floor Sparkproof, Conductive, Industrial	14.71	3.89
09 66 33 16-0002	SF	Terrazzo, Polyester System, Base Sparkproof, Conductive, Industrial	24.95	3.89
09 66 33 19		**Conductive Plastic-Matrix Terrazzo Flooring** *(09 66 33)*		
09 66 33 19-0001	SF	Terrazzo, Polyacrylate System, Floor Sparkproof, Conductive, Industrial	16.45	3.89
09 66 33 19-0002	SF	Terrazzo, Polyacrylate System, Base Sparkproof, Conductive, Industrial	31.28	3.89
09 66 33 19-0003	SF	Terrazzo, Synthetic Latex Mastic System, Floor Sparkproof, Conductive, Industrial	23.67	3.89
09 66 33 19-0004	SF	Terrazzo, Synthetic Latex Mastic System, Base Sparkproof, Conductive, Industrial	26.98	3.89

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 67 Fluid-Applied Flooring *(09 60)*

09 67 16 Epoxy-Marble Chip Flooring *(09 67)*

09 67 16 00-0001 Epoxy Marble Chip Flooring *(09 67 16)*

09 67 16 00-0002	SF	Epoxy Marble Floor With Colored Quartz Chips In 1/4" Base	11.25	2.29
		For Skid Resistant Abrasive Sand Finish, Add	*0.04*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.04*	
09 67 16 00-0003	SF	Epoxy Marble Chip Floor, Topping 3/16" Thick, Heavy Duty Epoxy	11.85	2.29
		For Skid Resistant Abrasive Sand Finish, Add	*0.05*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.05*	

09 67 29 Epoxy Flooring *(09 67)*

09 67 29 00-0001 Epoxy Flooring *(09 67 29)*

Note: Includes primer and topcoats (assorted colors), existing floor preparation of sand or bead blasting, degreasing and cleaning of existing floor system prior to application if applied directly to floor. Excludes floor patching, saw cutting joints, additional grinding of existing floor, leveling of floor, removal of existing floor or tiles, and applied markings or stripes.

09 67 29 00-0002	SF	Epoxy Flooring Trowel Applied Mortar Compound, 3/16" Heavy Duty (6,000 - 7,500 PSI)	9.61	5.19
		For Skid Resistant Abrasive Sand Finish, Add	*0.04*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.04*	
		For Up To 500, Add	*1.79*	
		For >500 To 1,000, Add	*1.14*	
		For >1,000 To 2,000, Add	*0.57*	
09 67 29 00-0003	SF	Epoxy Flooring Trowel Applied Mortar Compound, 3/16", Chemical Resistant (10,000 - 12,000 PSI)	13.83	5.19
		For Skid Resistant Abrasive Sand Finish, Add	*0.08*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.08*	
		For Up To 500, Add	*2.85*	
		For >500 To 1,000, Add	*1.77*	
		For >1,000 To 2,000, Add	*0.88*	
09 67 29 00-0004	SF	Epoxy Flooring Trowel Applied Mortar Compound, 1/4" Heavy Duty (6,000 - 7,500 PSI)	10.88	5.80
		For Skid Resistant Abrasive Sand Finish, Add	*0.04*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.04*	
		For Up To 500, Add	*2.02*	
		For >500 To 1,000, Add	*1.28*	
		For >1,000 To 2,000, Add	*0.64*	
09 67 29 00-0005	SF	Epoxy Flooring Trowel Applied Mortar Compound, 1/4", Chemical Resistant (10,000 - 12,000 PSI)	15.72	5.80
		For Skid Resistant Abrasive Sand Finish, Add	*0.09*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.09*	
		For Up To 500, Add	*3.23*	
		For >500 To 1,000, Add	*2.01*	
		For >1,000 To 2,000, Add	*1.00*	
09 67 29 00-0006	SF	Epoxy Flooring Trowel Applied Mortar Compound, 3/8" Heavy Duty (6,000 - 7,500 PSI)	12.14	6.49
		For Skid Resistant Abrasive Sand Finish, Add	*0.05*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.05*	
		For Up To 500, Add	*2.27*	
		For >500 To 1,000, Add	*1.44*	
		For >1,000 To 2,000, Add	*0.72*	
09 67 29 00-0007	SF	Epoxy Flooring Trowel Applied Mortar Compound, 3/8", Chemical Resistant (10,000 - 12,000 PSI)	17.27	6.49
		For Skid Resistant Abrasive Sand Finish, Add	*0.10*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.10*	
		For Up To 500, Add	*3.55*	
		For >500 To 1,000, Add	*2.21*	
		For >1,000 To 2,000, Add	*1.10*	

09 68 Carpeting *(09 60)*

Note: No VOC carpet and adhesives. Includes tack strips, glue and floor fastenings as required and vacuuming.

09 68 13 Tile Carpeting *(09 68)*

09 68 13 00-0001 Tufted Carpet Tiles *(09 68 13)*

Note: Level-loop pile or textured-loop pile carpet tiles. Includes glue or peel and stick backing.

09 68 13 00-0002 Non-Patterned Carpet Tiles *(09 68 13 00-0001)*

09 68 13 00-0003	SY	18 Ounce, Non Patterned, Nylon Carpet Tile	41.63	4.87
		For >200 To 400, Deduct	*-0.59*	
		For >400 To 600, Deduct	*-0.89*	
		For >600 To 900, Deduct	*-1.66*	
		For >900 To 1,500, Deduct	*-2.44*	
		For >1,500 To 2,200, Deduct	*-3.57*	
		For >2,200 To 3,500, Deduct	*-4.61*	
		For >3,500, Deduct	*-5.65*	
		For Cushion Backed Tile, Add	*4.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0004	SY	20 Ounce, Non Patterned, Nylon Carpet Tile	43.43	4.87
		For >200 To 400, Deduct	*-0.63*	
		For >400 To 600, Deduct	*-0.95*	
		For >600 To 900, Deduct	*-1.75*	
		For >900 To 1,500, Deduct	*-2.56*	
		For >1,500 To 2,200, Deduct	*-3.75*	
		For >2,200 To 3,500, Deduct	*-4.83*	
		For >3,500, Deduct	*-5.92*	
		For Cushion Backed Tile, Add	*4.90*	
09 68 13 00-0005	SY	22 Ounce, Non Patterned, Nylon Carpet Tile	49.15	4.87
		For >200 To 400, Deduct	*-0.74*	
		For >400 To 600, Deduct	*-1.12*	
		For >600 To 900, Deduct	*-2.04*	
		For >900 To 1,500, Deduct	*-2.96*	
		For >1,500 To 2,200, Deduct	*-4.32*	
		For >2,200 To 3,500, Deduct	*-5.55*	
		For >3,500, Deduct	*-6.78*	
		For Cushion Backed Tile, Add	*4.90*	
09 68 13 00-0006	SY	24 Ounce, Non Patterned, Nylon Carpet Tile	54.72	4.87
		For >200 To 400, Deduct	*-0.86*	
		For >400 To 600, Deduct	*-1.28*	
		For >600 To 900, Deduct	*-2.32*	
		For >900 To 1,500, Deduct	*-3.35*	
		For >1,500 To 2,200, Deduct	*-4.88*	
		For >2,200 To 3,500, Deduct	*-6.24*	
		For >3,500, Deduct	*-7.61*	
		For Cushion Backed Tile, Add	*4.90*	
09 68 13 00-0007	SY	26 Ounce, Non Patterned, Nylon Carpet Tile	57.98	4.87
		For >200 To 400, Deduct	*-0.92*	
		For >400 To 600, Deduct	*-1.38*	
		For >600 To 900, Deduct	*-2.48*	
		For >900 To 1,500, Deduct	*-3.58*	
		For >1,500 To 2,200, Deduct	*-5.20*	
		For >2,200 To 3,500, Deduct	*-6.65*	
		For >3,500, Deduct	*-8.10*	
		For Cushion Backed Tile, Add	*4.90*	
09 68 13 00-0008	SY	28 Ounce, Non Patterned, Nylon Carpet Tile	61.32	4.87
		For >200 To 400, Deduct	*-0.99*	
		For >400 To 600, Deduct	*-1.48*	
		For >600 To 900, Deduct	*-2.65*	
		For >900 To 1,500, Deduct	*-3.82*	
		For >1,500 To 2,200, Deduct	*-5.54*	
		For >2,200 To 3,500, Deduct	*-7.07*	
		For >3,500, Deduct	*-8.60*	
		For Cushion Backed Tile, Add	*4.90*	
09 68 13 00-0009	SY	30 Ounce, Non Patterned, Nylon Carpet Tile	62.31	4.87
		For >200 To 400, Deduct	*-1.01*	
		For >400 To 600, Deduct	*-1.51*	
		For >600 To 900, Deduct	*-2.70*	
		For >900 To 1,500, Deduct	*-3.88*	
		For >1,500 To 2,200, Deduct	*-5.63*	
		For >2,200 To 3,500, Deduct	*-7.19*	
		For >3,500, Deduct	*-8.75*	
		For Cushion Backed Tile, Add	*4.90*	
09 68 13 00-0010	SY	32 Ounce, Non Patterned, Nylon Carpet Tile	62.93	4.87
		For >200 To 400, Deduct	*-1.02*	
		For >400 To 600, Deduct	*-1.53*	
		For >600 To 900, Deduct	*-2.73*	
		For >900 To 1,500, Deduct	*-3.93*	
		For >1,500 To 2,200, Deduct	*-5.70*	
		For >2,200 To 3,500, Deduct	*-7.27*	
		For >3,500, Deduct	*-8.84*	
		For Cushion Backed Tile, Add	*4.90*	
09 68 13 00-0011	SY	34 Ounce, Non Patterned, Nylon Carpet Tile	63.45	4.87
		For >200 To 400, Deduct	*-1.03*	
		For >400 To 600, Deduct	*-1.55*	
		For >600 To 900, Deduct	*-2.75*	
		For >900 To 1,500, Deduct	*-3.96*	
		For >1,500 To 2,200, Deduct	*-5.75*	
		For >2,200 To 3,500, Deduct	*-7.33*	
		For >3,500, Deduct	*-8.92*	
		For Cushion Backed Tile, Add	*4.90*	
09 68 13 00-0012	SY	36 Ounce, Non Patterned, Nylon Carpet Tile	65.23	4.87
		For >200 To 400, Deduct	*-1.07*	
		For >400 To 600, Deduct	*-1.60*	
		For >600 To 900, Deduct	*-2.84*	
		For >900 To 1,500, Deduct	*-4.09*	
		For >1,500 To 2,200, Deduct	*-5.93*	
		For >2,200 To 3,500, Deduct	*-7.56*	
		For >3,500, Deduct	*-9.19*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*4.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0013	SY	38 Ounce, Non Patterned, Nylon Carpet Tile	68.76	4.87
		For >200 To 400, Deduct	*-1.14*	
		For >400 To 600, Deduct	*-1.70*	
		For >600 To 900, Deduct	*-3.02*	
		For >900 To 1,500, Deduct	*-4.34*	
		For >1,500 To 2,200, Deduct	*-6.28*	
		For >2,200 To 3,500, Deduct	*-8.00*	
		For >3,500, Deduct	*-9.72*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*4.90*	
09 68 13 00-0014	SY	40 Ounce, Non Patterned, Nylon Carpet Tile	72.55	4.87
		For >200 To 400, Deduct	*-1.21*	
		For >400 To 600, Deduct	*-1.82*	
		For >600 To 900, Deduct	*-3.21*	
		For >900 To 1,500, Deduct	*-4.60*	
		For >1,500 To 2,200, Deduct	*-6.66*	
		For >2,200 To 3,500, Deduct	*-8.47*	
		For >3,500, Deduct	*-10.29*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*4.90*	
09 68 13 00-0015	SY	42 Ounce, Non Patterned, Nylon Carpet Tile	79.82	4.87
		For >200 To 400, Deduct	*-1.36*	
		For >400 To 600, Deduct	*-2.04*	
		For >600 To 900, Deduct	*-3.57*	
		For >900 To 1,500, Deduct	*-5.11*	
		For >1,500 To 2,200, Deduct	*-7.39*	
		For >2,200 To 3,500, Deduct	*-9.38*	
		For >3,500, Deduct	*-11.38*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*4.90*	
09 68 13 00-0016	SY	Installation Of Owner Provided Non Patterned Carpet Tiles	11.96	

09 68 13 00-0017 Patterned Carpet Tiles *(09 68 13 00-0001)*

Note: Patterned carpet has a definitive repeating pattern as defined by the manufacturer.

09 68 13 00-0018	SY	18 Ounce, Patterned, Nylon Carpet Tile	43.27	4.87
		For >200 To 400, Deduct	*-0.60*	
		For >400 To 600, Deduct	*-0.90*	
		For >600 To 900, Deduct	*-1.70*	
		For >900 To 1,500, Deduct	*-2.50*	
		For >1,500 To 2,200, Deduct	*-3.67*	
		For >2,200 To 3,500, Deduct	*-4.75*	
		For >3,500, Deduct	*-5.83*	
		For Cushion Backed Tile, Add	*4.90*	
09 68 13 00-0019	SY	20 Ounce, Patterned, Nylon Carpet Tile	45.10	4.87
		For >200 To 400, Deduct	*-0.64*	
		For >400 To 600, Deduct	*-0.96*	
		For >600 To 900, Deduct	*-1.80*	
		For >900 To 1,500, Deduct	*-2.63*	
		For >1,500 To 2,200, Deduct	*-3.85*	
		For >2,200 To 3,500, Deduct	*-4.98*	
		For >3,500, Deduct	*-6.11*	
		For Cushion Backed Tile, Add	*4.90*	
09 68 13 00-0020	SY	22 Ounce, Patterned, Nylon Carpet Tile	50.90	4.87
		For >200 To 400, Deduct	*-0.76*	
		For >400 To 600, Deduct	*-1.13*	
		For >600 To 900, Deduct	*-2.09*	
		For >900 To 1,500, Deduct	*-3.04*	
		For >1,500 To 2,200, Deduct	*-4.43*	
		For >2,200 To 3,500, Deduct	*-5.71*	
		For >3,500, Deduct	*-6.98*	
		For Cushion Backed Tile, Add	*4.90*	
09 68 13 00-0021	SY	24 Ounce, Patterned, Nylon Carpet Tile	56.56	4.87
		For >200 To 400, Deduct	*-0.87*	
		For >400 To 600, Deduct	*-1.30*	
		For >600 To 900, Deduct	*-2.37*	
		For >900 To 1,500, Deduct	*-3.43*	
		For >1,500 To 2,200, Deduct	*-5.00*	
		For >2,200 To 3,500, Deduct	*-6.41*	
		For >3,500, Deduct	*-7.83*	
		For Cushion Backed Tile, Add	*4.90*	
09 68 13 00-0022	SY	26 Ounce, Patterned, Nylon Carpet Tile	59.86	4.87
		For >200 To 400, Deduct	*-0.93*	
		For >400 To 600, Deduct	*-1.40*	
		For >600 To 900, Deduct	*-2.53*	
		For >900 To 1,500, Deduct	*-3.67*	
		For >1,500 To 2,200, Deduct	*-5.33*	
		For >2,200 To 3,500, Deduct	*-6.83*	
		For >3,500, Deduct	*-8.32*	
		For Cushion Backed Tile, Add	*4.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0023	SY	28 Ounce, Patterned, Nylon Carpet Tile	63.25	4.87
		For >200 To 400, Deduct	*-1.00*	
		For >400 To 600, Deduct	*-1.50*	
		For >600 To 900, Deduct	*-2.70*	
		For >900 To 1,500, Deduct	*-3.90*	
		For >1,500 To 2,200, Deduct	*-5.67*	
		For >2,200 To 3,500, Deduct	*-7.25*	
		For >3,500, Deduct	*-8.83*	
		For Cushion Backed Tile, Add	*4.90*	
09 68 13 00-0024	SY	30 Ounce, Patterned, Nylon Carpet Tile	64.25	4.87
		For >200 To 400, Deduct	*-1.02*	
		For >400 To 600, Deduct	*-1.53*	
		For >600 To 900, Deduct	*-2.75*	
		For >900 To 1,500, Deduct	*-3.97*	
		For >1,500 To 2,200, Deduct	*-5.77*	
		For >2,200 To 3,500, Deduct	*-7.38*	
		For >3,500, Deduct	*-8.98*	
		For Cushion Backed Tile, Add	*4.90*	
09 68 13 00-0025	SY	32 Ounce, Patterned, Nylon Carpet Tile	64.89	4.87
		For >200 To 400, Deduct	*-1.04*	
		For >400 To 600, Deduct	*-1.55*	
		For >600 To 900, Deduct	*-2.79*	
		For >900 To 1,500, Deduct	*-4.02*	
		For >1,500 To 2,200, Deduct	*-5.83*	
		For >2,200 To 3,500, Deduct	*-7.46*	
		For >3,500, Deduct	*-9.08*	
		For Cushion Backed Tile, Add	*4.90*	
09 68 13 00-0026	SY	34 Ounce, Patterned, Nylon Carpet Tile	65.41	4.87
		For >200 To 400, Deduct	*-1.05*	
		For >400 To 600, Deduct	*-1.57*	
		For >600 To 900, Deduct	*-2.81*	
		For >900 To 1,500, Deduct	*-4.05*	
		For >1,500 To 2,200, Deduct	*-5.89*	
		For >2,200 To 3,500, Deduct	*-7.52*	
		For >3,500, Deduct	*-9.16*	
		For Cushion Backed Tile, Add	*4.90*	
09 68 13 00-0027	SY	36 Ounce, Patterned, Nylon Carpet Tile	67.22	4.87
		For >200 To 400, Deduct	*-1.08*	
		For >400 To 600, Deduct	*-1.62*	
		For >600 To 900, Deduct	*-2.90*	
		For >900 To 1,500, Deduct	*-4.18*	
		For >1,500 To 2,200, Deduct	*-6.07*	
		For >2,200 To 3,500, Deduct	*-7.75*	
		For >3,500, Deduct	*-9.43*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*4.90*	
09 68 13 00-0028	SY	38 Ounce, Patterned, Nylon Carpet Tile	70.80	4.87
		For >200 To 400, Deduct	*-1.15*	
		For >400 To 600, Deduct	*-1.73*	
		For >600 To 900, Deduct	*-3.08*	
		For >900 To 1,500, Deduct	*-4.43*	
		For >1,500 To 2,200, Deduct	*-6.42*	
		For >2,200 To 3,500, Deduct	*-8.19*	
		For >3,500, Deduct	*-9.96*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*4.90*	
09 68 13 00-0029	SY	40 Ounce, Patterned, Nylon Carpet Tile	74.65	4.87
		For >200 To 400, Deduct	*-1.23*	
		For >400 To 600, Deduct	*-1.85*	
		For >600 To 900, Deduct	*-3.27*	
		For >900 To 1,500, Deduct	*-4.70*	
		For >1,500 To 2,200, Deduct	*-6.81*	
		For >2,200 To 3,500, Deduct	*-8.68*	
		For >3,500, Deduct	*-10.54*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*4.90*	
09 68 13 00-0030	SY	42 Ounce, Patterned, Nylon Carpet Tile	82.03	4.87
		For >200 To 400, Deduct	*-1.38*	
		For >400 To 600, Deduct	*-2.07*	
		For >600 To 900, Deduct	*-3.64*	
		For >900 To 1,500, Deduct	*-5.22*	
		For >1,500 To 2,200, Deduct	*-7.55*	
		For >2,200 To 3,500, Deduct	*-9.60*	
		For >3,500, Deduct	*-11.65*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*4.90*	
09 68 13 00-0031	SY	Installation Of Owner Provided Patterned Carpet Tiles	13.69	

09 68 13 00-0032 ESD Static Control Carpet Tiles (StaticSmart Mission Critical Discovery ECO Series) *(09 68 13 00-0001)*

Note: Includes conductive ESD releasable adhesive and grounding clips.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0033	SY	24 Ounce, ESD Static Control, Non-Patterned, Nylon Carpet Tile (StaticSmart Mission Critical Discovery ECO Series)	71.66	4.87
		For >200 To 400, Deduct	*-1.17*	
		For >400 To 600, Deduct	*-1.76*	
		For >600 To 900, Deduct	*-3.12*	
		For >900 To 1,500, Deduct	*-4.49*	
		For >1,500 To 2,200, Deduct	*-6.51*	
		For >2,200 To 3,500, Deduct	*-8.30*	
		For >3,500, Deduct	*-10.09*	

09 68 16 Sheet Carpeting *(09 68)*

Note: Weights shown are face weight excluding backing weight and excludes padding. Demolition of carpet includes removal of glue if required. Residential carpet backing basis is for padding and commercial carpet backing is for glue down.

09 68 16 00-0001 Carpet Cushion *(09 68 16)*

09 68 16 00-0002 Carpet Pads *(09 68 16 00-0001)*

09 68 16 00-0003	SY	Foam Rubber Carpet Padding	6.06	2.24
09 68 16 00-0004	SY	Sponge Rubber Carpet Cushion	5.91	2.24
09 68 16 00-0005	SY	Urethane Carpet Cushion 1/4" Thick	5.81	2.24
09 68 16 00-0006	SY	Urethane Carpet Cushion 3/8" Thick	6.37	2.24
09 68 16 00-0007	SY	7/16" Thick, Rebonded, 6 LB/CF	5.91	2.24
09 68 16 00-0008	SY	3/8" Thick, Rebonded, 7 LB/CF	6.17	2.24
09 68 16 00-0009	SY	1/2" Thick, Rebonded, 8 LB/CF	6.54	2.24

09 68 16 00-0010 Residential Broadloom Carpet *(09 68 16)*

Note: Includes tacks. See CSI section 09 68 16 00-0001 for padding.

09 68 16 00-0011	SY	25 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	29.42	5.96
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*2.70*	
		For Up To 15, Add	*3.06*	
		For >15 To 33, Add	*1.53*	
		For >200 To 400, Deduct	*-0.28*	
		For >400 To 600, Deduct	*-0.42*	
		For >600 To 900, Deduct	*-0.94*	
		For >900, Deduct	*-1.45*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0012	SY	30 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	32.74	5.96
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*2.70*	
		For Up To 15, Add	*3.06*	
		For >15 To 33, Add	*1.53*	
		For >200 To 400, Deduct	*-0.35*	
		For >400 To 600, Deduct	*-0.52*	
		For >600 To 900, Deduct	*-1.10*	
		For >900, Deduct	*-1.68*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0013	SY	32 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	37.31	5.96
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*2.70*	
		For Up To 15, Add	*3.06*	
		For >15 To 33, Add	*1.53*	
		For >200 To 400, Deduct	*-0.44*	
		For >400 To 600, Deduct	*-0.66*	
		For >600 To 900, Deduct	*-1.33*	
		For >900, Deduct	*-2.00*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0014	SY	34 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	42.08	5.96
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*2.70*	
		For Up To 15, Add	*3.06*	
		For >15 To 33, Add	*1.53*	
		For >200 To 400, Deduct	*-0.54*	
		For >400 To 600, Deduct	*-0.80*	
		For >600 To 900, Deduct	*-1.57*	
		For >900, Deduct	*-2.33*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0015	SY	40 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	42.91	5.96
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*2.70*	
		For Up To 15, Add	*3.06*	
		For >15 To 33, Add	*1.53*	
		For >200 To 400, Deduct	*-0.55*	
		For >400 To 600, Deduct	*-0.83*	
		For >600 To 900, Deduct	*-1.61*	
		For >900, Deduct	*-2.39*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0016	SY	45 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	44.38	6.56
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*2.85*	
		For Up To 15, Add	*3.27*	
		For >15 To 33, Add	*1.63*	
		For >200 To 400, Deduct	*-0.56*	
		For >400 To 600, Deduct	*-0.84*	
		For >600 To 900, Deduct	*-1.65*	
		For >900, Deduct	*-2.45*	
		For Installation On Stairs, Each Riser, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0017	SY	48 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	45.81	6.56
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*2.85*	
		For Up To 15, Add	*3.27*	
		For >15 To 33, Add	*1.63*	
		For >200 To 400, Deduct	*-0.59*	
		For >400 To 600, Deduct	*-0.88*	
		For >600 To 900, Deduct	*-1.72*	
		For >900, Deduct	*-2.55*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0018	SY	50 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	49.34	6.56
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*2.85*	
		For Up To 15, Add	*3.27*	
		For >15 To 33, Add	*1.63*	
		For >200 To 400, Deduct	*-0.66*	
		For >400 To 600, Deduct	*-0.99*	
		For >600 To 900, Deduct	*-1.90*	
		For >900, Deduct	*-2.80*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0019	SY	60 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	49.75	6.56
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*2.85*	
		For Up To 15, Add	*3.27*	
		For >15 To 33, Add	*1.63*	
		For >200 To 400, Deduct	*-0.67*	
		For >400 To 600, Deduct	*-1.00*	
		For >600 To 900, Deduct	*-1.92*	
		For >900, Deduct	*-2.83*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0020	SY	65 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	51.41	6.56
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*2.85*	
		For Up To 15, Add	*3.27*	
		For >15 To 33, Add	*1.63*	
		For >200 To 400, Deduct	*-0.70*	
		For >400 To 600, Deduct	*-1.05*	
		For >600 To 900, Deduct	*-2.00*	
		For >900, Deduct	*-2.95*	
		For Installation On Stairs, Each Riser, Add	*6.00*	

09 68 16 00-0021 Commercial Broadloom Carpet *(09 68 16)*

Note: Level-loop pile or textured-loop pile broadloom carpet.

09 68 16 00-0022 Non-Patterned Broadloom Carpet *(09 68 16 00-0021)*

09 68 16 00-0023	SY	22 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet	37.15	19.98
		For Up To 15, Add	*2.66*	
		For >15 To 33, Add	*1.33*	
		For >200 To 400, Deduct	*-0.48*	
		For >400 To 600, Deduct	*-0.71*	
		For >600 To 900, Deduct	*-1.39*	
		For >900, Deduct	*-2.07*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0024	SY	24 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet	37.15	19.98
		For Up To 15, Add	*2.66*	
		For >15 To 33, Add	*1.33*	
		For >200 To 400, Deduct	*-0.48*	
		For >400 To 600, Deduct	*-0.71*	
		For >600 To 900, Deduct	*-1.39*	
		For >900, Deduct	*-2.07*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0025	SY	26 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet	37.15	19.98
		For Up To 15, Add	*2.66*	
		For >15 To 33, Add	*1.33*	
		For >200 To 400, Deduct	*-0.48*	
		For >400 To 600, Deduct	*-0.71*	
		For >600 To 900, Deduct	*-1.39*	
		For >900, Deduct	*-2.07*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0026	SY	28 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet	40.27	21.65
		For Up To 15, Add	*2.89*	
		For >15 To 33, Add	*1.44*	
		For >200 To 400, Deduct	*-0.52*	
		For >400 To 600, Deduct	*-0.78*	
		For >600 To 900, Deduct	*-1.51*	
		For >900, Deduct	*-2.24*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0027	SY	30 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet	41.00	21.65
		For Up To 15, Add	*2.89*	
		For >15 To 33, Add	*1.44*	
		For >200 To 400, Deduct	*-0.53*	
		For >400 To 600, Deduct	*-0.80*	
		For >600 To 900, Deduct	*-1.54*	
		For >900, Deduct	*-2.29*	
		For Cut Pile Carpet, Add	*1.50*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0028	SY	32 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet	41.13	21.65
		For Up To 15, Add	*2.89*	
		For >15 To 33, Add	*1.44*	
		For >200 To 400, Deduct	*-0.53*	
		For >400 To 600, Deduct	*-0.80*	
		For >600 To 900, Deduct	*-1.55*	
		For >900, Deduct	*-2.30*	
		For Cut Pile Carpet, Add	*1.50*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0029	SY	34 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet	45.15	23.31
		For Up To 15, Add	*3.11*	
		For >15 To 33, Add	*1.55*	
		For >200 To 400, Deduct	*-0.59*	
		For >400 To 600, Deduct	*-0.89*	
		For >600 To 900, Deduct	*-1.71*	
		For >900, Deduct	*-2.54*	
		For Cut Pile Carpet, Add	*1.50*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0030	SY	36 Ounce, Heavy Traffic, Non Patterned, Nylon Broadloom Carpet	45.67	23.31
		For Up To 15, Add	*3.11*	
		For >15 To 33, Add	*1.55*	
		For >200 To 400, Deduct	*-0.60*	
		For >400 To 600, Deduct	*-0.90*	
		For >600 To 900, Deduct	*-1.74*	
		For >900, Deduct	*-2.58*	
		For Cut Pile Carpet, Add	*1.50*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0031	SY	38 Ounce, Heavy Traffic, Non Patterned, Nylon Broadloom Carpet	46.31	23.31
		For Up To 15, Add	*3.11*	
		For >15 To 33, Add	*1.55*	
		For >200 To 400, Deduct	*-0.62*	
		For >400 To 600, Deduct	*-0.92*	
		For >600 To 900, Deduct	*-1.77*	
		For >900, Deduct	*-2.62*	
		For Cut Pile Carpet, Add	*1.50*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	

09 68 16 00-0032 Patterned Broadloom Carpet *(09 68 16 00-0021)*

Note: Patterned carpet has a definitive repeating pattern as defined by the manufacturer.

09 68 16 00-0033	SY	22 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	38.85	19.98
		For Up To 15, Add	*2.93*	
		For >15 To 33, Add	*1.47*	
		For >200 To 400, Deduct	*-0.48*	
		For >400 To 600, Deduct	*-0.73*	
		For >600 To 900, Deduct	*-1.43*	
		For >900, Deduct	*-2.13*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0034	SY	24 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	38.85	19.98
		For Up To 15, Add	*2.93*	
		For >15 To 33, Add	*1.47*	
		For >200 To 400, Deduct	*-0.48*	
		For >400 To 600, Deduct	*-0.73*	
		For >600 To 900, Deduct	*-1.43*	
		For >900, Deduct	*-2.13*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0035	SY	26 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	38.85	19.98
		For Up To 15, Add	*2.93*	
		For >15 To 33, Add	*1.47*	
		For >200 To 400, Deduct	*-0.48*	
		For >400 To 600, Deduct	*-0.73*	
		For >600 To 900, Deduct	*-1.43*	
		For >900, Deduct	*-2.13*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0036	SY	28 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	42.10	21.65
		For Up To 15, Add	*3.17*	
		For >15 To 33, Add	*1.59*	
		For >200 To 400, Deduct	*-0.52*	
		For >400 To 600, Deduct	*-0.79*	
		For >600 To 900, Deduct	*-1.55*	
		For >900, Deduct	*-2.31*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0037	SY	30 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	42.84	21.65
		For Up To 15, Add	*3.17*	
		For >15 To 33, Add	*1.59*	
		For >200 To 400, Deduct	*-0.54*	
		For >400 To 600, Deduct	*-0.81*	
		For >600 To 900, Deduct	*-1.59*	
		For >900, Deduct	*-2.36*	
		For Cut Pile Carpet, Add	*1.50*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0038	SY	32 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	42.97	21.65
		For Up To 15, Add	*3.17*	
		For >15 To 33, Add	*1.59*	
		For >200 To 400, Deduct	*-0.54*	
		For >400 To 600, Deduct	*-0.81*	
		For >600 To 900, Deduct	*-1.59*	
		For >900, Deduct	*-2.37*	
		For Cut Pile Carpet, Add	*1.50*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0039	SY	34 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	47.14	23.31
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.60*	
		For >400 To 600, Deduct	*-0.90*	
		For >600 To 900, Deduct	*-1.76*	
		For >900, Deduct	*-2.62*	
		For Cut Pile Carpet, Add	*1.50*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0040	SY	36 Ounce, Heavy Traffic, Patterned, Nylon Broadloom Carpet	47.68	23.31
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.61*	
		For >400 To 600, Deduct	*-0.92*	
		For >600 To 900, Deduct	*-1.79*	
		For >900, Deduct	*-2.65*	
		For Cut Pile Carpet, Add	*1.50*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0041	SY	38 Ounce, Heavy Traffic, Patterned, Nylon Broadloom Carpet	48.33	23.31
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.62*	
		For >400 To 600, Deduct	*-0.94*	
		For >600 To 900, Deduct	*-1.82*	
		For >900, Deduct	*-2.70*	
		For Cut Pile Carpet, Add	*1.50*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0042		**Indoor/Outdoor Carpet** *(09 68 16)*		
		Note: Includes waterproof glue.		
09 68 16 00-0043	SY	Nylon Indoor/Outdoor Carpet	29.12	4.48
09 68 16 00-0044	SY	Ozite Indoor/Outdoor Carpet	24.24	4.48
09 68 16 00-0045		**Carpet Accessories** *(09 68 16)*		
09 68 16 00-0046	LF	Metal Carpet Saddle Strip, Up To 4" Wide	2.92	0.68
09 68 16 00-0047		**Removal And Reinstallation Of Carpet And Pad** *(09 68 16)*		
		Note: Includes storage, cleaning and supply materials.		
09 68 16 00-0048	SY	Remove And Reinstall Carpet And Pad	28.10	
09 68 16 00-0049		**Carpeting Support Functions** *(09 68 16)*		
09 68 16 00-0050		**Relocate Partitions, Modular Work Stations** *(09 68 16 00-0049)*		
		Note: Includes disassembly and reassembly of work station. Excludes electrical disconnection or reconnection.		
09 68 16 00-0051	EA	Relocate Modular Work Station	239.09	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0052		Installation Of Owner Provided Broadloom Carpet *(09 68 16)*		
09 68 16 00-0053	SY	Up To 24 Oz, Installation Of Owner Provided Broadloom Carpet	11.79	
		Note: Includes adhesive for glue-down or tack strip for padded installations.		
		For Up To 15, Add	*2.32*	
		For >15 To 33, Add	*1.16*	
09 68 16 00-0054	SY	>24 To 34 Oz, Installation Of Owner Provided Broadloom Carpet	13.72	
		Note: Includes adhesive for glue-down or tack strip for padded installations.		
		For Up To 15, Add	*2.70*	
		For >15 To 33, Add	*1.35*	
09 68 16 00-0055	SY	>34 Oz, Installation Of Owner Provided Broadloom Carpet	16.42	
		Note: Includes adhesive for glue-down or tack strip for padded installations.		
		For Up To 15, Add	*3.24*	
		For >15 To 33, Add	*1.62*	

09 69 Access Flooring *(09 60)*

09 69 13 Rigid-Grid Access Flooring *(09 69)*

09 69 13 00-0001 Panels, No Covering *(09 69 13)*

09 69 13 00-0002	SF	2' x 2' Panels - No Covering Access And Pedestal Floors	9.81	0.68
		For Carpet Covering, Add	*2.77*	
		For Vinyl Floor Covering, Add	*1.91*	
09 69 13 00-0003	SF	2' x 2' Perforated Panels Access And Pedestal Floors	18.29	0.68
		For Carpet Covering, Add	*2.77*	
		For Vinyl Floor Covering, Add	*1.91*	
09 69 13 00-0004	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Raf Blue 7153T	17.05	0.75
09 69 13 00-0005	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Sage Brown 7777T	17.05	0.75
09 69 13 00-0006	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Moondance 6808	17.05	0.75
09 69 13 00-0007	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Mosaic 6280	17.05	0.75
09 69 13 00-0008	SF	Tate 1250AS Panel Cover HPL 1/8" Nevamar ST2-2 Beige Star/Brown Trim	16.14	0.75
09 69 13 00-0009	SF	Tate 1250AS Panel Cover HPL 1/8" Nevamar ST6-1 Gray Star/Black Trim	16.14	0.75
09 69 13 00-0010	SF	Tate Concore 1500 Panel Cover UTP Designer Plus Color Raf Blue 7153T	18.20	0.75
09 69 13 00-0011	SF	Tate Concore 1500 Panel Cover UTP Designer Plus Color Sage Brown 7777T	18.20	0.75
09 69 13 00-0012	SF	Tate Concore 1500 Panel Cover UTP Designer Plus Color Moodance 6808	18.20	0.75
09 69 13 00-0013	SF	Tate Concore 1500 Panel Cover UTP Designer Plus Color Mosaic 6280	18.20	0.75
09 69 13 00-0014	SF	Tate Concore 1500 Panel Cover HPL 1/8" Nevamar ST-2 Beige Star/Brown Trim	17.28	0.75
09 69 13 00-0015	SF	Tate Concore 1500 Panel Cover HPL 1/8" Nevamar ST6-1 Grey Star/Black Trim	17.28	0.75
09 69 13 00-0016	SF	Tate 1250AS Perforated 25% O/A Cover 1/8 " Nevamar HPL ST2-2 Beige Star Trim	21.84	0.75
09 69 13 00-0017	SF	Tate 1250AS Perforated 25% O/A Cover 1/8 " Nevamar HPL ST6-1 Gray Star Trim	21.84	0.75

09 69 13 00-0018 Pedestals *(09 69 13)*

09 69 13 00-0019	EA	Pedestal, 6" To 12" Access And Pedestal Floors	22.84	3.41
09 69 13 00-0020	EA	Standard Pedestal Assembly (8" And 12" Finished Floor Height)	23.99	3.41
09 69 13 00-0021	EA	Tate Standard Pedestal Assembly (18" And 24" Finished Floor Height)	24.56	3.41
09 69 13 00-0022	EA	Tate Standard Pedestal Assembly (30" And 36" Finished Floor Height)	26.64	3.41

09 69 13 00-0023 Stringers *(09 69 13)*

09 69 13 00-0024	LF	2' Stringers Access And Pedestal Floors	6.38	2.05
09 69 13 00-0025	LF	6' Stringers Access And Pedestal Floors	6.34	2.87
09 69 13 00-0026	EA	Tate Standard 2' Bolted Stringer	14.61	4.10
09 69 13 00-0027	EA	Tate Standard 4' Bolted Stringer	29.21	8.88

09 69 13 00-0028 Understructure *(09 69 13)*

09 69 13 00-0029	SF	Tate Standard Bolted Stringer Understructure 30" Or 36" Finished Floor Height	4.86	1.02

09 69 53 Access Flooring Accessories *(09 69)*

09 69 53 00-0001 Accessories *(09 69 53)*

09 69 53 00-0002	LF	Accessories, Handrail Access And Pedestal Floors	36.60	4.79
09 69 53 00-0003	LF	Accessories, Fascia Plate Access And Pedestal Floors	16.13	4.79
09 69 53 00-0004	EA	Machine Cutouts	122.94	
09 69 53 00-0005	SF	Hammered Aluminum Finish Fascia	26.87	2.26
		Note: Includes trim angles and hardware (8", 12", 18", 24").		
09 69 53 00-0006	EA	Cut Hole In Raised Floor And Trim With Black 1/2" Trim Material	30.12	
09 69 53 00-0007	EA	Cut Round Hole In Raised Floor And Trim Carpet Install 4" Plastic Insert (Gromtec#GT003)	30.12	
09 69 53 00-0008	EA	Flush Mounted Electrical Box (Including Cutting Hole Trim Carpet) P/N Telo-7018-4	118.69	8.54
09 69 53 00-0009	EA	Flush Mounted Telephone Box (Grey/Black/Communications)	85.93	8.54
		Note: Includes cut hole.		
09 69 53 00-0010	EA	Flush Mounted Electrical Box (In Existing Hole) P/N Telo 7018-4	118.69	8.54
09 69 53 00-0011	EA	Flush Mounted Telephone Box (Grey/Black/Communications) (In Existing Hole) P/N Telo-7018-2	58.61	1.36

09 69 53 00-0012 Final Cleaning For Computer Room Raised Floor System *(09 69 53)*

Note: Includes wipe dirt/dust from stringers and raised floor beneath raised floor. For new or existing systems.

09 69 53 00-0013	SF	Vacuum Raised Floor Carpet Panel, Wipe Dirt/Dust From Stringers And Floor Beneath Raised Floor	2.30	
09 69 53 00-0014	SF	Vacuum/Shampoo Raised Floor Carpet Panel, Wipe Dirt/Dust From Stringers And Floor Beneath	2.37	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 69 53 00-0015	SF	Vacuum/Wet Mop Clean Raised Floor HPL Panel Wipe Dirt/Dust Stringers And Raised Floor	2.35	

09 70 Wall Finishes *(09)*

09 72 Wall Coverings *(09 70)*

09 72 13 Cork Wall Coverings *(09 72)*

09 72 13 00-0001 Cork Wall Covering *(09 72 13)*

09 72 13 00-0002	SF	1/8" Cork Wall Covering	3.99	0.69
09 72 13 00-0003	SF	1/4" Cork Wall Covering	4.90	0.69
09 72 13 00-0004	SF	1/2" Cork Wall Covering	5.63	0.69
09 72 13 00-0005	SF	3/4" Cork Wall Covering	7.76	0.69

09 72 16 Vinyl-Coated Fabric Wall Coverings *(09 72)*

09 72 16 00-0001 Vinyl Wall Coverings *(09 72 16)*

Note: Includes wall preparation adhesive, and sizing compound. Demolition includes the removal of wall covering and adhesive.

09 72 16 00-0002	SF	Vinyl Wall Covering, 7-10 Oz/SY	1.57	0.69
		For Owner Furnished Material, Deduct	*-0.49*	
09 72 16 00-0003	SF	Vinyl Wall Covering, 11-14 Oz/SY	1.87	0.69
		For Owner Furnished Material, Deduct	*-0.72*	
09 72 16 00-0004	SF	Vinyl Wall Covering, 20-25 Oz/SY	2.47	0.69
		For Owner Furnished Material, Deduct	*-1.03*	
09 72 16 00-0005	SF	Vinyl Wall Covering, 26-32 Oz/SY	2.76	0.69
		For Owner Furnished Material, Deduct	*-1.26*	
09 72 16 00-0006	SF	Vinyl Wall Covering, 33-38 Oz/SY	3.68	0.69
		For Owner Furnished Material, Deduct	*-2.11*	

09 72 19 Textile Wall Coverings *(09 72)*

09 72 19 00-0001 Wall Fabrics *(09 72 19)*

09 72 19 00-0002	SF	Wall Covering, Natural Fabric, Grass Cloth	4.10	0.69
09 72 19 00-0003	SF	Wall Covering, Grass Cloth	4.48	0.69
09 72 19 00-0004	SF	Wall Covering, Burlap	3.48	0.69
09 72 19 00-0005	SF	Flexible Gypsum Coated Wall Fabric, Fire Resistant	2.95	0.69
09 72 19 00-0006	SF	Acoustical Wall Cover	4.91	0.69

09 72 19 00-0007 Natural Fiber Resilient Wallcovering *(09 72 19)*

09 72 19 00-0008	SY	Sisal Wall Covering - 48 To 54 Oz/SY With Adhesive (4', 8', 12' Widths)	52.84	4.79
		For Fire Rated Adhesive, UBC 42-2, Add	*0.11*	

09 72 23 Wallpapering *(09 72)*

09 72 23 00-0001 Wallpaper Coverings *(09 72 23)*

Note: Includes wall preparation adhesive, and sizing compound. Demolition includes the removal of wall covering and adhesive.

09 72 23 00-0002	SF	Average Quality Wallpaper (Standard Grade)	1.89	0.92
09 72 23 00-0003	SF	High Quality Wallpaper (Designer Grade)	3.17	1.18
09 72 23 00-0004	SF	Ceiling Paper	2.86	1.73

09 73 Wall Carpeting *(09 70)*

09 73 00 00-0001 Carpet Wall Covering *(09 73)*

09 73 00 00-0002	SY	Nylon 28 Oz Carpet Wall Covering	30.56	10.24
09 73 00 00-0003	SY	Nylon 32 Oz Carpet Wall Covering	31.17	10.24
09 73 00 00-0004	SY	Nylon 34 Oz Carpet Wall Covering	33.82	11.28
09 73 00 00-0005	SY	Nylon 35 Oz Carpet Wall Covering	35.80	11.96
09 73 00 00-0006	SY	Nylon 36 Oz Carpet Wall Covering	37.82	12.64
09 73 00 00-0007	SY	Nylon 38 Oz Carpet Wall Covering	38.56	12.64
09 73 00 00-0008	SY	Nylon 40 Oz Carpet Wall Covering	40.06	12.98
09 73 00 00-0009	SY	Nylon 42 Oz Carpet Wall Covering	41.67	13.32

09 74 Flexible Wood Sheets *(09 70)*

09 74 16 Flexible Wood Veneers *(09 74)*

09 74 16 00-0001 Walnut *(09 74 16)*

09 74 16 00-0002	SF	Walnut 1/32 In Thick Flexible Wood Veneer	7.93	2.78

09 74 16 00-0003 Exotic Wood *(09 74 16)*

09 74 16 00-0004	SF	Exotic Wood 1/32 Thick, Flexible Wood Veneer	10.60	2.78

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 77 Special Wall Surfacing *(09 70)*

09 77 00 00-0001 Corian Wall Panels *(09 77)*

09 77 00 00-0002 Wall Panels *(09 77 00 00-0001)*

09 77 00 00-0003	SF	1/4" Corian Wall Panels, Sea Grass	24.19	3.92
		For >500, Deduct	*1.64*	
09 77 00 00-0004	SF	1/4" Corian Wall Panels, Aqua	28.69	3.92
		For >500, Deduct	*2.09*	
09 77 00 00-0005	SF	1/4" Corian Wall Panels, Everest	30.55	3.92
		For >500, Deduct	*2.27*	

09 77 00 00-0006 Corian Corner Guards For Wall Panels *(09 77 00 00-0001)*

09 77 00 00-0007	SF	1/2" Curved Corner Guard For Corian Wall Panels, Sea Grass	63.61	3.13
09 77 00 00-0008	SF	1/2" Curved Corner Guard For Corian Wall Panels, Aqua	68.59	3.13
09 77 00 00-0009	SF	1/2" Curved Corner Guard For Corian Wall Panels, Everest	62.13	3.13

09 80 Acoustic Treatment *(09)*

09 81 Acoustic Insulation *(09 80)*

09 81 16 Acoustic Blanket Insulation *(09 81)*

09 81 16 00-0001 Sound Attenuation Fire Blankets (SAFB) *(09 81 16)*

09 81 16 00-0002 2.5 PCF Density, Sound Attenuation Fire Blankets (SAFB) *(09 81 16 00-0001)*

09 81 16 00-0003	SF	1-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.27	0.23
09 81 16 00-0004	SF	2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.35	0.23
09 81 16 00-0005	SF	2-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.46	0.23
09 81 16 00-0006	SF	3" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.55	0.23
09 81 16 00-0007	SF	3-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.66	0.23
09 81 16 00-0008	SF	4" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.77	0.23
09 81 16 00-0009	SF	5" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.92	0.23
09 81 16 00-0010	SF	6" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.08	0.23

09 81 16 00-0011 4 PCF Density, Sound Attenuation Fire Blankets (SAFB) *(09 81 16 00-0001)*

09 81 16 00-0012	SF	1" Thick, 4 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.25	0.23

09 81 16 00-0013 Sound Attenuation Batts *(09 81 16)*

Note: NoiseReducer® by Certainteed, Quitezone® by Owens Corning, Sound-Shield® by Johns Mansville.

09 81 16 00-0014	SF	2-1/2" Thick, Unfaced Sound Attenuation Batt	0.79	0.31
09 81 16 00-0015	SF	3-1/2" Thick, Unfaced Sound Attenuation Batt	0.84	0.31
09 81 16 00-0016	SF	3-1/2" Thick, Kraft Faced Sound Attenuation Batt	0.86	0.31
09 81 16 00-0017	SF	5-1/2" Thick, Unfaced Sound Attenuation Batt	0.95	0.31
09 81 16 00-0018	SF	5-1/2" Thick, Kraft Faced Sound Attenuation Batt	0.97	0.31
09 81 16 00-0019	SF	6-1/4" Thick, Unfaced Sound Attenuation Batt	0.96	0.31
09 81 16 00-0020	SF	6-1/4" Thick, Kraft Faced Sound Attenuation Batt	0.99	0.31

09 84 Acoustic Room Components *(09 80)*

09 84 13 Fixed Sound-Absorptive Panels *(09 84)*

09 84 13 00-0001 Sound Absorbing Panels And Attenuation Blankets *(09 84 13)*

Note: No backs, 3" thick modular, ceiling or wall hung back. Excludes ceiling suspension systems and wall furring system. See CSI section 09 22 13 00-0000 for furring, 09 53 23 00-0000 for suspended ceiling support.

09 84 13 00-0002	SF	3" Thick Perforated Steel Sound Absorbing Panel Painted, No Back With Fiberglass Or Mineral Filler	7.23	1.57
09 84 13 00-0003	SF	1" Thick Fiberglass Sound Absorbing Panels With Glass Cloth Face For Walls	10.50	1.57

09 84 13 00-0004 Sound Absorbing Acoustical Wall Panel System *(09 84 13)*

See CSI section 06 11 16 00-0194 for wood furring.

09 84 13 00-0005 Fiberglass, Sound Absorbing Wall Panel System *(09 84 13 00-0004)*

Note: Includes molding and mounting hardware for flush mount. All panels are 3/4" thick.

09 84 13 00-0006	SF	Woven Fabric Covered, Fiberglass, Sound Absorbing Wall Panel System (Maharam Tek-Wall)	10.79	1.76
09 84 13 00-0007	SF	Woven Fabric Covered, Fiberglass, Sound Absorbing Wall Panel System (Maharam Adorn)	12.92	1.76

09 84 13 00-0008 Sound Absorbing Panel, Eggcrate Style *(09 84 13)*

Note: Ceiling or wall hung back.

09 84 13 00-0009	SF	2" Thick Polyurethane Sound Wave (Eggcrate Style)	7.52	
		For Pyramid Style, Add	*1.18*	
09 84 13 00-0010	SF	3" Thick Polyurethane Sound Wave (Eggcrate Style)	9.92	
		For Pyramid Style, Add	*1.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 84 13 00-0011	SF	4" Thick Polyurethane Sound Wave (Eggcrate Style)	12.90	
		For Pyramid Style, Add	*1.18*	
09 84 13 00-0012	SF	2" Thick Melamine Sound Wave (Eggcrate Style)	9.71	
		For Eggcrate Style With Hypalon Coating, Add	*1.97*	
		For Pyramid Style, Add	*2.05*	
		For Pyramid Style With Hypalon Coating, Add	*4.02*	
09 84 13 00-0013	SF	3" Thick Melamine Sound Wave (Eggcrate Style)	19.25	
		For Eggcrate Style With Hypalon Coating, Add	*1.97*	
		For Pyramid Style, Add	*0.42*	
		For Pyramid Style With Hypalon Coating, Add	*2.40*	
09 84 13 00-0014	SF	4" Thick Melamine Sound Wave (Eggcrate Style)	24.60	
		For Eggcrate Style With Hypalon Coating, Add	*1.97*	
		For Pyramid Style, Add	*0.42*	
		For Pyramid Style With Hypalon Coating, Add	*2.40*	

09 85 Acoustic Sound Deadening *(09 80)*

09 85 00 00-0001 Sound Deadening Fiberboard *(09 85)*

09 85 00 00-0002	SF	1/2" Sound Deadening Fiberboard	1.05	0.39
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	*0.36*	
		For Horizontal Installation Up To 10' High, Add	*0.24*	
		For Horizontal Installation >10' High, Add	*0.36*	
		For Walls >10' High, Add	*0.06*	
		For Up To 128, Add	*0.35*	
		For >128 To 320, Add	*0.21*	

09 90 Painting And Coating *(09)*

Note: Includes masking, safety signs, cleaning of area (dry wiping down walls, floors, doors, etc.), removal of loose paint (paint, caulk, etc.), feathering rough edges, protective work to contain dust and paint splatters (drop cloths), unless otherwise noted, removal and reinstallation of cabinet hardware, switch covers and outlet plates, equipment to place paint and ladders. New construction work additionally includes filling knots, divots, depressions, holes (screw and nail holes in drywall to 1/4" diameter of unlimited quantity). All work designated as "brush/roller" includes brush work for cut and roller work up to cut in. See CSI section 07 92 00 00-0000 for caulking where required, 09 01 20 00-0000 for severely damaged surface preparation in excess of items included above, hand scrape, pressure washing and chemical cleaning where required.

09 91 Painting *(09 90)*

09 91 13 Exterior Painting *(09 91)*

Note: Acrylic latex paint unless otherwise stated.

09 91 13 00-0001 Walls/Siding *(09 91 13)*

09 91 13 00-0002 Brick Surfaces *(09 91 13 00-0001)*

09 91 13 00-0003	SF	Paint Exterior Brick 1 Coat Filler, Brush Work	0.73
		For Oil Based Paint, Add	*0.04*
		For Work >20', Add	*0.15*
		Note: Applied only to work area above 20'.	
		For Up To 100, Add	*0.47*
		For >100 To 250, Add	*0.22*
		For >250 To 500, Add	*0.10*
		For >2,500 To 5,000, Deduct	*-0.04*
		For >5,000 To 10,000, Deduct	*-0.07*
		For >10,000 To 20,000, Deduct	*-0.11*
		For >20,000, Deduct	*-0.15*
09 91 13 00-0004	SF	Paint Exterior Brick 1 Coat Paint, Brush Work	1.04
		For Oil Based Paint, Add	*0.06*
		For Work >20', Add	*0.22*
		Note: Applied only to work area above 20'.	
		For Up To 100, Add	*0.69*
		For >100 To 250, Add	*0.33*
		For >250 To 500, Add	*0.14*
		For >2,500 To 5,000, Deduct	*-0.05*
		For >5,000 To 10,000, Deduct	*-0.10*
		For >10,000 To 20,000, Deduct	*-0.16*
		For >20,000, Deduct	*-0.21*
09 91 13 00-0005	SF	Paint Exterior Brick 2 Coats Paint, Brush Work	1.51
		For Oil Based Paint, Add	*0.09*
		For Work >20', Add	*0.30*
		Note: Applied only to work area above 20'.	
		For Up To 100, Add	*0.95*
		For >100 To 250, Add	*0.45*
		For >250 To 500, Add	*0.20*
		For >2,500 To 5,000, Deduct	*-0.08*
		For >5,000 To 10,000, Deduct	*-0.15*
		For >10,000 To 20,000, Deduct	*-0.23*
		For >20,000, Deduct	*-0.30*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0006	SF	Paint Exterior Brick 1 Coat Filler, Brush/Roller Work	0.48	
		For Oil Based Paint, Add	*0.03*	
		For Work >20', Add	*0.09*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.28*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.10*	
09 91 13 00-0007	SF	Paint Exterior Brick 1 Coat Paint, Brush/Roller Work	0.80	
		For Oil Based Paint, Add	*0.05*	
		For Work >20', Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0008	SF	Paint Exterior Brick 2 Coats Paint, Brush/Roller Work	1.18	
		For Oil Based Paint, Add	*0.08*	
		For Work >20', Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0009	SF	Paint Exterior Brick 1 Coat Filler, Spray	0.49	
		For Oil Based Paint, Add	*0.03*	
		For Work >20', Add	*0.09*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.28*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.10*	
09 91 13 00-0010	SF	Paint Exterior Brick 1 Coat Paint, Spray	0.47	
		For Oil Based Paint, Add	*0.03*	
		For Work >20', Add	*0.07*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.23*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
09 91 13 00-0011	SF	Paint Exterior Brick 2 Coats Paint, Spray	1.02	
		For Oil Based Paint, Add	*0.07*	
		For Work >20', Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	

09 91 13 00-0012 Concrete Surface *(09 91 13 00-0001)*

09 91 13 00-0013	SF	Paint Exterior Concrete, 1 Coat Filler, Brush Work	0.63	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.06*	
		For Work >20', Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0014	SF	Paint Exterior Concrete, 1 Coat Paint, Brush Work	0.68	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.06*	
		For Work >20', Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0015	SF	Paint Exterior Concrete, 2 Coats Paint, Brush Work	1.27	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.11*	
		For Work >20', Add	*0.28*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.85*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 13 00-0016	SF	Paint Exterior Concrete, 1 Coat Filler, Brush/Roller Work	0.50	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Work >20', Add	*0.10*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.31*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	
09 91 13 00-0017	SF	Paint Exterior Concrete, 1 Coat Paint, Brush/Roller Work	0.58	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Work >20', Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0018	SF	Paint Exterior Concrete, 2 Coats Paint, Brush/Roller Work	0.96	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.10*	
		For Work >20', Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0019	SF	Paint Exterior Concrete, 1 Coat Filler, Spray	0.43	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Work >20', Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.24*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.06*	
		For >20,000, Deduct	*-0.09*	
09 91 13 00-0020	SF	Paint Exterior Concrete, 1 Coat Paint, Spray	0.40	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.05*	
		For Work >20', Add	*0.07*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.23*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.06*	
		For >20,000, Deduct	*-0.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0021	SF	Paint Exterior Concrete, 2 Coats Paint, Spray	0.68	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.10*	
		For Work >20', Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0022		Concrete Block Surfaces *(09 91 13 00-0001)*		
09 91 13 00-0023		Concrete Block, Epoxy Paint *(09 91 13 00-0022)*		
09 91 13 00-0024	SF	Paint Exterior Concrete Block, 1 Coat Filler, Brush Work	0.86	
		For Work >20', Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0025	SF	Paint Exterior Concrete Block, 1 Coat Epoxy Paint, Brush	0.99	
		For Work >20', Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0026	SF	Paint Exterior Concrete Block, 2 Coats Epoxy Paint, Brush Work	1.74	
		For Work >20', Add	*0.34*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.07*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.35*	
09 91 13 00-0027	SF	Paint Exterior Concrete Block, 1 Coat Filler, Brush/Roller Work	0.70	
		For Work >20', Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0028	SF	Paint Exterior Concrete Block, 1 Coat Epoxy Paint, Brush/Roller Work	0.78	
		For Work >20', Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0029	SF	Paint Exterior Concrete Block, 2 Coats Epoxy Paint, Brush/Roller Work	1.38	
		For Work >20', Add	*0.25*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 13 00-0030	SF	Paint Exterior Concrete Block, 1 Coat Filler, Sprayed	0.68	
		For Work >20', Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0031	SF	Paint Exterior Concrete Block, 1 Coat Epoxy Paint, Sprayed	0.63	
		For Work >20', Add	*0.10*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0032	SF	Paint Exterior Concrete Block, 2 Coats Epoxy Paint, Sprayed	1.21	
		For Work >20', Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	

09 91 13 00-0033 Concrete Block Surfaces, Acrylic Latex Paint *(09 91 13 00-0022)*

09 91 13 00-0034	SF	Paint Exterior Concrete Block, 1 Coat Filler, Brush Work	0.80	
		For Oil Based Paint, Add	*0.05*	
		For Work >20', Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0035	SF	Paint Exterior Concrete Block, 1 Coat Paint, Brush Work	0.94	
		For Oil Based Paint, Add	*0.06*	
		For Work >20', Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0036	SF	Paint Exterior Concrete Block, 2 Coats Paint, Brush Work	1.72	
		For Oil Based Paint, Add	*0.10*	
		For Work >20', Add	*0.35*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.09*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.34*	
09 91 13 00-0037	SF	Paint Exterior Concrete Block, Texture Coat, Brush Work	1.05	
		For Oil Based Paint, Add	*0.06*	
		For Work >20', Add	*0.22*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0038	SF	Paint Exterior Concrete Block, 1 Coat Filler, Brush/Roller Work	0.63	
		For Oil Based Paint, Add	*0.04*	
		For Work >20', Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0039	SF	Paint Exterior Concrete Block, 1 Coat Paint, Brush/Roller Work	0.80	
		For Oil Based Paint, Add	*0.05*	
		For Work >20', Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0040	SF	Paint Exterior Concrete Block, 2 Coats Paint, Brush/Roller Work	1.36	
		For Oil Based Paint, Add	*0.09*	
		For Work >20', Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 13 00-0041	SF	Paint Exterior Concrete Block, Texture Coat, Brush/Roller Work	0.89	
		For Oil Based Paint, Add	*0.05*	
		For Work >20', Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0042	SF	Paint Exterior Concrete Block, 1 Coat Filler, Spray	0.61	
		For Oil Based Paint, Add	*0.04*	
		For Work >20', Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0043	SF	Paint Exterior Concrete Block, 1 Coat Paint, Spray	0.63	
		For Oil Based Paint, Add	*0.04*	
		For Work >20', Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0044	SF	Paint Exterior Concrete Block, 2 Coats Paint, Spray	1.00	
		For Oil Based Paint, Add	*0.06*	
		For Work >20', Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0045	SF	Paint Exterior Concrete Block, Texture Coat, Spray	0.82	
		For Oil Based Paint, Add	*0.05*	
		For Work >20', Add	*0.14*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	

09 91 13 00-0046 Drywall/Plaster Surfaces *(09 91 13 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0047	SF	Paint Exterior Drywall/Plaster, 1 Coat Primer, Brush Work	0.65	
		For Oil Based Paint, Add	*0.04*	
		For Orange Peel Finish, Add	*0.09*	
		For Work >20', Add	*0.14*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0048	SF	Paint Exterior Drywall/Plaster, 1 Coat Paint, Brush Work	0.71	
		For Oil Based Paint, Add	*0.04*	
		For Orange Peel Finish, Add	*0.10*	
		For Work >20', Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0049	SF	Paint Exterior Drywall/Plaster, 2 Coats Paint, Brush Work	1.27	
		For Oil Based Paint, Add	*0.07*	
		For Orange Peel Finish, Add	*0.18*	
		For Work >20', Add	*0.28*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.85*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 13 00-0050	SF	Paint Exterior Drywall/Plaster, 1 Coat Primer, Brush/Roller Work	0.50	
		For Oil Based Paint, Add	*0.03*	
		For Orange Peel Finish, Add	*0.07*	
		For Work >20', Add	*0.10*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.31*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	
09 91 13 00-0051	SF	Paint Exterior Drywall/Plaster, 1 Coat Paint, Brush/Roller Work	0.52	
		For Oil Based Paint, Add	*0.03*	
		For Orange Peel Finish, Add	*0.07*	
		For Work >20', Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	
09 91 13 00-0052	SF	Paint Exterior Drywall/Plaster, 2 Coats Paint, Brush/Roller Work	0.94	
		For Oil Based Paint, Add	*0.06*	
		For Orange Peel Finish, Add	*0.13*	
		For Work >20', Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0053	SF	Paint Exterior Drywall/Plaster, 1 Coat Primer, Spray	0.43	
		For Oil Based Paint, Add	*0.03*	
		For Work >20', Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.24*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.06*	
		For >20,000, Deduct	*-0.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0054	SF	Paint Exterior Drywall/Plaster, 1 Coat Paint, Spray	0.48	
		For Oil Based Paint, Add	*0.03*	
		For Work >20', Add	*0.09*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.29*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.10*	
09 91 13 00-0055	SF	Paint Exterior Drywall/Plaster, 2 Coats Paint, Spray	0.89	
		For Oil Based Paint, Add	*0.06*	
		For Work >20', Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	

09 91 13 00-0056 Metal Surfaces *(09 91 13 00-0001)*

09 91 13 00-0057 Galvanized Surfaces, Galvanized Primer *(09 91 13 00-0056)*

Note: Linseed oil or acrylic latex paint.

09 91 13 00-0058	SF	Paint Exterior Galvanized Surfaces, One Coat Primer, Brush Work	0.75	
		For Work >20', Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0059	SF	Paint Exterior Galvanized Surfaces, One Coat Paint, Brush Work	0.84	
		For Work >20', Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0060	SF	Paint Exterior Galvanized Surfaces, Two Coats Paint, Brush Work	1.51	
		For Work >20', Add	*0.30*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.95*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	
09 91 13 00-0061	SF	Paint Exterior Galvanized Surfaces, One Coat Primer, Brush/Roller Work	0.56	
		For Work >20', Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 13 00-0062	SF	Paint Exterior Galvanized Surfaces, One Coat Paint, Brush/Roller Work	0.65	
		For Work >20', Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0063	SF	Paint Exterior Galvanized Surfaces, Two Coats Paint, Brush/Roller Work	1.20	
		For Work >20', Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0064	SF	Paint Exterior Galvanized Surfaces, One Primer, Sprayed	0.44	
		For Work >20', Add	*0.07*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.23*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
09 91 13 00-0065	SF	Paint Exterior Galvanized Surfaces, One Paint, Sprayed	0.61	
		For Work >20', Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0066	SF	Paint Exterior Galvanized Surfaces, Two Coats Paint, Sprayed	0.99	
		For Work >20', Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0067		Aluminum And Aluminum Alloy Surface Pretreatment Primer *(09 91 13 00-0056)*		
		Note: Alkyd enamel paint.		
09 91 13 00-0068	SF	Paint Exterior Aluminum And Aluminum Alloy Surface, One Coat Primer, Brush Work	0.75	
		For Work >20', Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0069	SF	Paint Exterior Aluminum And Aluminum Alloy Surface, One Coat Paint, Brush Work	0.84	
		For Work >20', Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0070	SF	Paint Exterior Aluminum And Aluminum Alloy Surface, Two Coats Paint, Brush Work	1.51	
		For Work >20', Add	*0.30*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.95*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	
09 91 13 00-0071	SF	Paint Exterior Aluminum And Aluminum Alloy Surface, One Coat Primer, Brush/Roller Work	0.60	
		For Work >20', Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0072	SF	Paint Exterior Aluminum And Aluminum Alloy Surface, One Coat Paint, Brush/Roller Work	0.69	
		For Work >20', Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0073	SF	Paint Exterior Aluminum And Aluminum Alloy Surface, Two Coats Paint, Brush/Roller Work	1.28	
		For Work >20', Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0074	SF	Paint Exterior Aluminum And Aluminum Alloy Surface, One Coat, Sprayed	0.50	
		For Work >20', Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	
09 91 13 00-0075	SF	Paint Exterior Aluminum And Aluminum Alloy Surface, One Coat Paint, Sprayed	0.61	
		For Work >20', Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0076	SF	Paint Exterior Aluminum And Aluminum Alloy Surface, Two Coats Paint, Sprayed	0.99	
		For Work >20', Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	

09 91 13 00-0077 Aluminum And Aluminum Alloy, Heat Resistant *(09 91 13 00-0056)*

09 91 13 00-0078	LF	Paint Exterior Aluminum Roof Stack With Heat Resistant Paint, One Coat Primer, Per LF Of Stack	10.68	
		For Work >20', Add	*2.46*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*7.49*	
		For >100 To 250, Add	*3.52*	
		For >250 To 500, Add	*1.52*	
		For >2,500 To 5,000, Deduct	*-0.53*	
		For >5,000 To 10,000, Deduct	*-1.07*	
		For >10,000 To 20,000, Deduct	*-1.60*	
		For >20,000, Deduct	*-2.14*	
09 91 13 00-0079	LF	Paint Exterior Aluminum Roof Stack With Heat Resistant Paint, One Coat Paint, Per LF Of Stack	11.88	
		For Work >20', Add	*2.73*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*8.33*	
		For >100 To 250, Add	*3.92*	
		For >250 To 500, Add	*1.69*	
		For >2,500 To 5,000, Deduct	*-0.59*	
		For >5,000 To 10,000, Deduct	*-1.19*	
		For >10,000 To 20,000, Deduct	*-1.78*	
		For >20,000, Deduct	*-2.38*	
09 91 13 00-0080	LF	Paint Exterior Aluminum Roof Stack With Heat Resistant Paint, Two Coats Paint, Per LF Of Stack	22.24	
		For Work >20', Add	*5.13*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*15.65*	
		For >100 To 250, Add	*7.35*	
		For >250 To 500, Add	*3.16*	
		For >2,500 To 5,000, Deduct	*-1.11*	
		For >5,000 To 10,000, Deduct	*-2.22*	
		For >10,000 To 20,000, Deduct	*-3.34*	
		For >20,000, Deduct	*-4.45*	

09 91 13 00-0081 Corrugated Metal Surfaces *(09 91 13 00-0056)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0082	SF	Paint Exterior Corrugated Metal Surfaces, One Primer, Sprayed	0.56	
		For Work >20', Add	*0.09*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.30*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 13 00-0083	SF	Paint Exterior Corrugated Metal Surfaces, One Paint, Sprayed	0.79	
		For Work >20', Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0084	SF	Paint Exterior Corrugated Metal Surfaces, Two Coats Paint, Sprayed	1.27	
		For Work >20', Add	*0.22*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	

09 91 13 00-0085 Stucco Surfaces *(09 91 13 00-0001)*

09 91 13 00-0086	SF	Paint Exterior Stucco Surfaces One Coat Primer, Brush Work	1.07	
		For Oil Based Paint, Add	*0.06*	
		For Work >20', Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0087	SF	Paint Exterior Stucco Surfaces One Coat Paint, Brush Work	1.18	
		For Oil Based Paint, Add	*0.07*	
		For Work >20', Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0088	SF	Paint Exterior Stucco Surfaces, Two Coats Paint, Brush Work	2.18	
		For Oil Based Paint, Add	*0.12*	
		For Work >20', Add	*0.47*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.46*	
		For >100 To 250, Add	*0.69*	
		For >250 To 500, Add	*0.30*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.44*	
09 91 13 00-0089	SF	Paint Exterior Stucco Surfaces One Coat Primer, Brush/Roller Work	0.81	
		For Oil Based Paint, Add	*0.05*	
		For Work >20', Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0090	SF	Paint Exterior Stucco Surfaces One Coat Paint, Brush/Roller Work	0.92	
		For Oil Based Paint, Add	*0.05*	
		For Work >20', Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0091	SF	Paint Exterior Stucco Surfaces, Two Coats Paint, Brush/Roller Work	1.68	
		For Oil Based Paint, Add	*0.10*	
		For Work >20', Add	*0.35*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.08*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.34*	
09 91 13 00-0092	SF	Paint Exterior Stucco Surfaces One Coat Primer, Sprayed	0.70	
		For Oil Based Paint, Add	*0.04*	
		For Work >20', Add	*0.14*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0093	SF	Paint Exterior Stucco Surfaces One Coat Paint, Sprayed	0.74	
		For Oil Based Paint, Add	*0.05*	
		For Work >20', Add	*0.14*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0094	SF	Paint Exterior Stucco Surfaces, Two Coats Paint, Sprayed	1.44	
		For Oil Based Paint, Add	*0.09*	
		For Work >20', Add	*0.28*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.88*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	

09 91 13 00-0095 Wood Surfaces *(09 91 13 00-0001)*

09 91 13 00-0096 Smooth Wood *(09 91 13 00-0095)*

Note: Includes tongue and groove, beveled, drop or board and batten siding.

09 91 13 00-0097	SF	Paint Exterior Wood Smooth Siding, One Coat Primer, Brush Work	0.78	
		For Oil Based Paint, Add	*0.05*	
		For Work >20', Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0098	SF	Paint Exterior Wood Smooth Siding, One Coat Paint, Brush Work	0.82	
		For Oil Based Paint, Add	*0.05*	
		For Work >20', Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0099	SF	Paint Exterior Wood Smooth Siding, Two Coats Paint, Brush Work	1.46	
		For Oil Based Paint, Add	*0.09*	
		For Work >20', Add	*0.30*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.94*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 13 00-0100	SF	Paint Exterior Wood Smooth Siding, One Coat Primer, Brush/Roller Work	0.61	
		For Oil Based Paint, Add	*0.04*	
		For Work >20', Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0101	SF	Paint Exterior Wood Smooth Siding, One Coat Paint, Brush/Roller Work	0.67	
		For Oil Based Paint, Add	*0.04*	
		For Work >20', Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0102	SF	Paint Exterior Wood Smooth Siding, Two Coats Paint, Brush/Roller Work	1.24	
		For Oil Based Paint, Add	*0.08*	
		For Work >20', Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 13 00-0103	SF	Paint Exterior Wood Smooth Siding, One Coat Primer, Sprayed	0.50	
		For Oil Based Paint, Add	*0.03*	
		For Work >20', Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	
09 91 13 00-0104	SF	Paint Exterior Wood Smooth Siding, One Coat Paint, Sprayed	0.61	
		For Oil Based Paint, Add	*0.04*	
		For Work >20', Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0105	SF	Paint Exterior Wood Smooth Siding, Two Coats Paint, Sprayed	0.97	
		For Oil Based Paint, Add	*0.06*	
		For Work >20', Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.19*	

09 91 13 00-0106 Rough Wood *(09 91 13 00-0095)*
Note: Includes shingles, shakes or rough sawn siding.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0107	SF	Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, One Coat Primer, Brush Work	1.20	
		For Oil Based Paint, Add	*0.07*	
		For Work >20', Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0108	SF	Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, One Coat Paint, Brush Work	1.21	
		For Oil Based Paint, Add	*0.07*	
		For Work >20', Add	*0.27*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.83*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0109	SF	Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, Two Coats Paint, Brush Work	2.24	
		For Oil Based Paint, Add	*0.13*	
		For Work >20', Add	*0.50*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.52*	
		For >100 To 250, Add	*0.72*	
		For >250 To 500, Add	*0.31*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000, Deduct	*-0.45*	
09 91 13 00-0110	SF	Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, One Coat Primer, Brush/Roller Work	1.05	
		For Oil Based Paint, Add	*0.07*	
		For Work >20', Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0111	SF	Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, One Coat Paint, Brush/Roller Work	1.14	
		For Oil Based Paint, Add	*0.07*	
		For Work >20', Add	*0.22*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0112	SF	Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, Two Coats Paint, Brush/Roller Work	2.10	
		For Oil Based Paint, Add	*0.13*	
		For Work >20', Add	*0.39*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.24*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.42*	
09 91 13 00-0113	SF	Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, One Coat Primer, Sprayed	0.79	
		For Oil Based Paint, Add	*0.05*	
		For Work >20', Add	*0.14*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0114	SF	Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, One Coat Paint, Sprayed	0.89	
		For Oil Based Paint, Add	*0.06*	
		For Work >20', Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0115	SF	Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, Two Coats Paint, Sprayed	1.67	
		For Oil Based Paint, Add	*0.11*	
		For Work >20', Add	*0.30*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.97*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.33*	

09 91 13 00-0116 Vinyl Surfaces *(09 91 13 00-0001)*

09 91 13 00-0117	SF	Paint Exterior Vinyl Siding, One Coat Primer, Brush Work	0.67	
		For Oil Based Paint, Add	*0.04*	
		For Work >20', Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0118	SF	Paint Exterior Vinyl Siding, One Coat Paint, Brush Work	0.74	
		For Oil Based Paint, Add	*0.04*	
		For Work >20', Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0119	SF	Paint Exterior Vinyl Siding, Two Coats Paint, Brush Work	1.35	
		For Oil Based Paint, Add	*0.08*	
		For Work >20', Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 13 00-0120	SF	Paint Exterior Vinyl Siding, One Coat Primer, Brush/Roller Work	0.60	
		For Oil Based Paint, Add	*0.04*	
		For Work >20', Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0121	SF	Paint Exterior Vinyl Siding, One Coat Paint, Brush/Roller Work	0.60	
		For Oil Based Paint, Add	*0.04*	
		For Work >20', Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0122	SF	Paint Exterior Vinyl Siding, Two Coats Paint, Brush/Roller Work	1.11	
		For Oil Based Paint, Add	*0.07*	
		For Work >20', Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 13 00-0123	SF	Paint Exterior Vinyl Siding, One Coat Primer, Sprayed	0.54	
		For Oil Based Paint, Add	*0.04*	
		For Work >20', Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.28*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 13 00-0124	SF	Paint Exterior Vinyl Siding, One Coat Paint, Sprayed	0.61	
		For Oil Based Paint, Add	*0.04*	
		For Work >20', Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.29*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0125	SF	Paint Exterior Vinyl Siding, Two Coats Paint, Sprayed	1.19	
		For Oil Based Paint, Add	*0.09*	
		For Work >20', Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	

09 91 13 00-0126 Ceilings *(09 91 13)*

09 91 13 00-0127 Concrete *(09 91 13 00-0126)*

09 91 13 00-0128	SF	Paint Exterior Concrete Ceiling, 1 Coat Filler, Brush Work	0.71	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.07*	
		For Work >20', Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0129	SF	Paint Exterior Concrete Ceiling, 1 Coat Paint, Brush Work	0.78	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.07*	
		For Work >20', Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0130	SF	Paint Exterior Concrete Ceiling, 2 Coats Paint, Brush Work	1.38	
		For Oil Based Paint, Add	*0.08*	
		For Epoxy Paint, Add	*0.12*	
		For Work >20', Add	*0.30*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.93*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0131	SF	Paint Exterior Concrete Ceiling, 1 Coat Filler, Brush/Roller Work	0.54	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Work >20', Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 13 00-0132	SF	Paint Exterior Concrete Ceiling, 1 Coat Paint, Brush/Roller Work	0.61	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.06*	
		For Work >20', Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0133	SF	Paint Exterior Concrete Ceiling, 2 Coats Paint, Brush/Roller Work	1.11	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.11*	
		For Work >20', Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 13 00-0134	SF	Paint Exterior Concrete Ceiling, 1 Coat Filler, Spray	0.46	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Work >20', Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
09 91 13 00-0135	SF	Paint Exterior Concrete Ceiling, 1 Coat Paint, Spray	0.55	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Work >20', Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 13 00-0136	SF	Paint Exterior Concrete Ceiling, 2 Coats Paint, Spray	0.86	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.11*	
		For Work >20', Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	

09 91 13 00-0137 Drywall/Plaster *(09 91 13 00-0126)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0138	SF	Paint Exterior Drywall/Plaster Ceiling, 1 Coat Primer, Brush Work	0.72	
		For Oil Based Paint, Add	*0.04*	
		For Orange Peel Finish, Add	*0.10*	
		For Epoxy Paint, Add	*0.07*	
		For Work >20', Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0139	SF	Paint Exterior Drywall/Plaster Ceiling, 1 Coat Paint, Brush Work	0.78	
		For Oil Based Paint, Add	*0.04*	
		For Orange Peel Finish, Add	*0.11*	
		For Epoxy Paint, Add	*0.07*	
		For Work >20', Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0140	SF	Paint Exterior Drywall/Plaster Ceiling, 2 Coats Paint, Brush Work	1.38	
		For Oil Based Paint, Add	*0.08*	
		For Orange Peel Finish, Add	*0.20*	
		For Epoxy Paint, Add	*0.12*	
		For Work >20', Add	*0.30*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.93*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 13 00-0141	SF	Paint Exterior Drywall/Plaster Ceiling, 1 Coat Primer, Brush/Roller Work	0.53	
		For Oil Based Paint, Add	*0.03*	
		For Orange Peel Finish, Add	*0.07*	
		For Epoxy Paint, Add	*0.06*	
		For Work >20', Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 13 00-0142	SF	Paint Exterior Drywall/Plaster Ceiling, 1 Coat Paint, Brush/Roller Work	0.61	
		For Oil Based Paint, Add	*0.04*	
		For Orange Peel Finish, Add	*0.09*	
		For Epoxy Paint, Add	*0.06*	
		For Work >20', Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0143	SF	Paint Exterior Drywall/Plaster Ceiling, 2 Coats Paint, Brush/Roller Work	1.11	
		For Oil Based Paint, Add	*0.06*	
		For Orange Peel Finish, Add	*0.16*	
		For Epoxy Paint, Add	*0.11*	
		For Work >20', Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0144	SF	Paint Exterior Drywall/Plaster Ceiling, 1 Coat Primer, Spray	0.46	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Work >20', Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
09 91 13 00-0145	SF	Paint Exterior Drywall/Plaster Ceiling, 1 Coat Paint, Spray	0.55	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Work >20', Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 13 00-0146	SF	Paint Exterior Drywall/Plaster Ceiling, 2 Coats Paint, Spray	0.87	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.11*	
		For Work >20', Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	

09 91 13 00-0147 Wood *(09 91 13 00-0126)*

09 91 13 00-0148 Smooth Wood *(09 91 13 00-0147)*

Note: Includes tongue and groove, beveled, drop or board and batten siding.

09 91 13 00-0149	SF	Paint Exterior Wood Smooth Ceiling, One Coat Primer, Brush Work	0.87	
		For Oil Based Paint, Add	*0.05*	
		For Work >20', Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0150	SF	Paint Exterior Wood Smooth Ceiling, One Coat Paint, Brush Work	0.90	
		For Oil Based Paint, Add	*0.05*	
		For Work >20', Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0151	SF	Paint Exterior Wood Smooth Ceiling, Two Coats Paint, Brush Work	1.64	
		For Oil Based Paint, Add	*0.10*	
		For Work >20', Add	*0.35*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.07*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.33*	
09 91 13 00-0152	SF	Paint Exterior Wood Smooth Ceiling, One Coat Primer, Brush/Roller Work	0.69	
		For Oil Based Paint, Add	*0.04*	
		For Work >20', Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0153	SF	Paint Exterior Wood Smooth Ceiling, One Coat Paint, Brush/Roller Work	0.75	
		For Oil Based Paint, Add	*0.05*	
		For Work >20', Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0154	SF	Paint Exterior Wood Smooth Ceiling, Two Coats Paint, Brush/Roller Work	1.33	
		For Oil Based Paint, Add	*0.08*	
		For Work >20', Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 13 00-0155	SF	Paint Exterior Wood Smooth Ceiling, One Coat Primer, Sprayed	0.57	
		For Oil Based Paint, Add	*0.04*	
		For Work >20', Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.11*	
09 91 13 00-0156	SF	Paint Exterior Wood Smooth Ceiling, One Coat Paint, Sprayed	0.57	
		For Oil Based Paint, Add	*0.04*	
		For Work >20', Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.11*	
09 91 13 00-0157	SF	Paint Exterior Wood Smooth Ceiling, Two Coats Paint, Sprayed	1.03	
		For Oil Based Paint, Add	*0.06*	
		For Work >20', Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0158		Rough Wood *(09 91 13 00-0147)*		
		Note: Includes shingles, shakes or rough sawn siding.		
09 91 13 00-0159	SF	Paint Exterior Wood Rough Ceiling, One Coat Primer, Brush Work	1.29	
		For Oil Based Paint, Add	*0.08*	
		For Work >20', Add	*0.27*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0160	SF	Paint Exterior Wood Rough Ceiling, One Coat Paint, Brush Work	1.34	
		For Oil Based Paint, Add	*0.07*	
		For Work >20', Add	*0.30*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.93*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0161	SF	Paint Exterior Wood Rough Ceiling, Two Coats Paint, Brush Work	2.33	
		For Oil Based Paint, Add	*0.13*	
		For Work >20', Add	*0.52*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.59*	
		For >100 To 250, Add	*0.75*	
		For >250 To 500, Add	*0.32*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.47*	
09 91 13 00-0162	SF	Paint Exterior Wood Rough Ceiling, One Coat Primer, Brush/Roller Work	1.14	
		For Oil Based Paint, Add	*0.07*	
		For Work >20', Add	*0.22*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0163	SF	Paint Exterior Wood Rough Ceiling, One Coat Paint, Brush/Roller Work	1.22	
		For Oil Based Paint, Add	*0.08*	
		For Work >20', Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0164	SF	Paint Exterior Wood Rough Ceiling, Two Coats Paint, Brush/Roller Work	2.18	
		For Oil Based Paint, Add	*0.14*	
		For Work >20', Add	*0.41*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.30*	
		For >100 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.44*	
09 91 13 00-0165	SF	Paint Exterior Wood Rough Ceiling, One Coat Primer, Sprayed	0.89	
		For Oil Based Paint, Add	*0.06*	
		For Work >20', Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0166	SF	Paint Exterior Wood Rough Ceiling, One Coat Paint, Sprayed	1.01	
		For Oil Based Paint, Add	*0.06*	
		For Work >20', Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0167	SF	Paint Exterior Wood Rough Ceiling, Two Coats Paint, Sprayed	1.79	
		For Oil Based Paint, Add	*0.11*	
		For Work >20', Add	*0.33*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.06*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.36*	

09 91 13 00-0168 Metal *(09 91 13 00-0126)*

09 91 13 00-0169 Galvanized Surfaces, Galvanized Primer *(09 91 13 00-0168)*
Note: Linseed oil or acrylic latex paint.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0170	SF	Paint Exterior Galvanized Ceiling, One Coat Primer, Brush Work	0.84	
		For Work >20', Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0171	SF	Paint Exterior Galvanized Ceiling, One Coat Paint, Brush Work	0.92	
		For Work >20', Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0172	SF	Paint Exterior Galvanized Ceiling, Two Coats Paint, Brush Work	1.68	
		For Work >20', Add	*0.35*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.08*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.34*	
09 91 13 00-0173	SF	Paint Exterior Galvanized Ceiling, One Coat Primer, Brush/Roller Work	0.64	
		For Work >20', Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0174	SF	Paint Exterior Galvanized Ceiling, One Coat Paint, Brush/Roller Work	0.72	
		For Work >20', Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0175	SF	Paint Exterior Galvanized Ceiling, Two Coats Paint, Brush/Roller Work	1.27	
		For Work >20', Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 13 00-0176	SF	Paint Exterior Galvanized Ceiling, One Primer, Sprayed	0.61	
		For Work >20', Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0177	SF	Paint Exterior Galvanized Ceiling, One Paint, Sprayed	0.61	
		For Work >20', Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0178	SF	Paint Exterior Galvanized Ceiling, Two Coats Paint, Sprayed	1.11	
		For Work >20', Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 13 00-0179		Aluminum And Aluminum Alloy Surface Pretreatment Primer *(09 91 13 00-0168)*		
		Note: Alkyd enamel paint.		
09 91 13 00-0180	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, One Coat Primer, Brush Work	0.84	
		For Work >20', Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0181	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, One Coat Paint, Brush Work	0.92	
		For Work >20', Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0182	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, Two Coats Paint, Brush Work	1.68	
		For Work >20', Add	*0.35*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.08*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.34*	
09 91 13 00-0183	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, One Coat Primer, Brush/Roller Work	0.69	
		For Work >20', Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0184	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, One Coat Paint, Brush/Roller Work	0.77	
		For Work >20', Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0185	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, Two Coats Paint, Brush/Roller Work	1.37	
		For Work >20', Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.27*	
09 91 13 00-0186	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, One Coat, Sprayed	0.61	
		For Work >20', Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0187	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, One Coat Paint, Sprayed	0.61	
		For Work >20', Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0188	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, Two Coats Paint, Sprayed	1.11	
		For Work >20', Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	

09 91 13 00-0189 Corrugated Metal Surfaces *(09 91 13 00-0168)*

09 91 13 00-0190	SF	Paint Exterior Corrugated Metal Ceiling, One Primer, Sprayed	0.67	
		For Work >20', Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0191	SF	Paint Exterior Corrugated Metal Ceiling, One Paint, Sprayed	0.79	
		For Work >20', Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0192	SF	Paint Exterior Corrugated Metal Ceiling, Two Coats Paint, Sprayed	1.40	
		For Work >20', Add	*0.25*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	

09 91 13 00-0193 Floors *(09 91 13)*

09 91 13 00-0194 Concrete *(09 91 13 00-0193)*

09 91 13 00-0195	SF	Paint Exterior Concrete Floors And Decks, One Coat Primer, Brush Work	0.54	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 13 00-0196	SF	Paint Exterior Concrete Floors And Decks, One Coat Paint, Brush Work	0.61	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0197	SF	Paint Exterior Concrete Floors And Decks, Two Coats Paint, Brush Work	1.11	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.11*	
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 13 00-0198	SF	Paint Exterior Concrete Floors And Decks, One Coat Primer, Brush/Roller Work	0.44	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.26*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
09 91 13 00-0199	SF	Paint Exterior Concrete Floors And Decks, One Coat Paint, Brush/Roller Work	0.52	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.05*	
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	
09 91 13 00-0200	SF	Paint Exterior Concrete Floors And Decks, Two Coats Paint, Brush/Roller Work	0.84	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.09*	
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0201	SF	Paint Exterior Concrete Floors And Decks, One Coat Primer, Sprayed	0.34	
		For Oil Based Paint, Add	*0.02*	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.18*	
		For >100 To 250, Add	*0.09*	
		For >250 To 500, Add	*0.04*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.05*	
		For >20,000, Deduct	*-0.07*	
09 91 13 00-0202	SF	Paint Exterior Concrete Floors And Decks, One Coat Paint, Sprayed	0.44	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.26*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
09 91 13 00-0203	SF	Paint Exterior Concrete Floors And Decks, Two Coats Paint, Sprayed	0.76	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0204	SF	Paint Exterior Concrete Floors And Decks, One Coat Non Slip Paint, Brush/Roller Work	1.23	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.25*	
09 91 13 00-0205	SF	Paint Exterior Concrete Floors And Decks, One Coat Anti-Slip, Single Component Epoxy Coating, Brush/Roller Work	2.75	
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.28*	
		For >10,000 To 20,000, Deduct	*-0.41*	
		For >20,000, Deduct	*-0.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0206	SF	Paint Exterior Concrete Floors And Decks, One Coat Anti-Slip High Performance Epoxy Coating, Brush/Roller Work	3.40	
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.17*	
		For >5,000 To 10,000, Deduct	*-0.34*	
		For >10,000 To 20,000, Deduct	*-0.51*	
		For >20,000, Deduct	*-0.68*	

09 91 13 00-0207 Wood *(09 91 13 00-0193)*

09 91 13 00-0208	SF	Paint Exterior Wood Floors And Decks, One Coat Primer, Brush Work	0.67	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0209	SF	Paint Exterior Wood Floors And Decks, One Coat Paint, Brush Work	0.73	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0210	SF	Paint Exterior Wood Floors And Decks, Two Coats Paint, Brush Work	1.37	
		For Oil Based Paint, Add	*0.08*	
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.27*	
09 91 13 00-0211	SF	Paint Exterior Wood Floors And Decks, One Coat Primer, Brush/Roller Work	0.61	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0212	SF	Paint Exterior Wood Floors And Decks, One Coat Paint, Brush/Roller Work	0.59	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0213	SF	Paint Exterior Wood Floors And Decks, Two Coats Paint, Brush/Roller Work	1.07	
		For Oil Based Paint, Add	*0.07*	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0214	SF	Paint Exterior Wood Floors And Decks, One Coat Primer, Sprayed	0.46	
		For Oil Based Paint, Add	*0.03*	
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
09 91 13 00-0215	SF	Paint Exterior Wood Floors And Decks, One Coat Paint, Sprayed	0.46	
		For Oil Based Paint, Add	*0.03*	
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0216	SF	Paint Exterior Wood Floors And Decks, Two Coats Paint, Sprayed	0.91	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0217	SF	Paint Exterior Wood Floors And Decks, One Coat Non Slip Paint, Brush Work	1.32	
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0218	SF	Paint Exterior Wood Floors And Decks, One Coat Non Slip Epoxy Coating, Brush Work	3.49	
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.17*	
		For >5,000 To 10,000, Deduct	*-0.35*	
		For >10,000 To 20,000, Deduct	*-0.52*	
		For >20,000, Deduct	*-0.70*	

09 91 13 00-0219 Doors And Windows *(09 91 13)*

09 91 13 00-0220 Frames *(09 91 13 00-0219)*

09 91 13 00-0221	LF	Paint Wood Door Frame And Trim, 1 Coat Primer, Brush/Roller Work	0.90	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.24*	
09 91 13 00-0222	LF	Paint Wood Door Frame And Trim, 1 Coat Paint, Brush/Roller Work	1.18	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.31*	
09 91 13 00-0223	LF	Paint Wood Door Frame And Trim, 2 Coats Paint, Brush/Roller Work	1.98	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.51*	
09 91 13 00-0224	LF	Paint Metal Door Frame And Trim, 1 Coat Primer, Brush/Roller Work	0.89	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.23*	
09 91 13 00-0225	LF	Paint Metal Door Frame And Trim, 1 Coat Paint, Brush/Roller Work	1.17	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.30*	
09 91 13 00-0226	LF	Paint Metal Door Frame And Trim, 2 Coats Paint, Brush/Roller Work	1.97	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.51*	

09 91 13 00-0227 Steel Doors *(09 91 13 00-0219)*

09 91 13 00-0228	EA	Paint Exterior Door, One Face, 1 Coat Primer, Brush/Roller Work	35.06	
		For Half Louvered Door, Add	*3.74*	
		For Full Louvered Door, Add	*6.23*	
		For Electrostatic Painting, Add	*5.03*	
		For >5 To 10, Deduct	*-1.75*	
		For >10 To 25, Deduct	*-3.51*	
		For >25, Deduct	*-5.26*	
09 91 13 00-0229	EA	Paint Exterior Door, One Face, 1 Coat Paint, Brush/Roller Work	35.06	
		For Half Louvered Door, Add	*3.74*	
		For Full Louvered Door, Add	*6.23*	
		For Electrostatic Painting, Add	*5.03*	
		For >5 To 10, Deduct	*-1.75*	
		For >10 To 25, Deduct	*-3.51*	
		For >25, Deduct	*-5.26*	
09 91 13 00-0230	EA	Paint Exterior Door, One Face, 2 Coats Paint, Brush/Roller Work	62.23	
		For Half Louvered Door, Add	*6.31*	
		For Full Louvered Door, Add	*10.52*	
		For Electrostatic Painting, Add	*9.25*	
		For >5 To 10, Deduct	*-3.11*	
		For >10 To 25, Deduct	*-6.22*	
		For >25, Deduct	*-9.33*	
09 91 13 00-0231	EA	Paint Exterior Door, Both Faces, 1 Coat Primer, Brush/Roller Work	62.90	
		For Half Louvered Door, Add	*6.70*	
		For Full Louvered Door, Add	*11.17*	
		For Electrostatic Painting, Add	*9.02*	
		For >5 To 10, Deduct	*-3.15*	
		For >10 To 25, Deduct	*-6.29*	
		For >25, Deduct	*-9.44*	
09 91 13 00-0232	EA	Paint Exterior Door, Both Faces, 1 Coat Paint, Brush/Roller Work	62.90	
		For Half Louvered Door, Add	*6.70*	
		For Full Louvered Door, Add	*11.17*	
		For Electrostatic Painting, Add	*9.02*	
		For >5 To 10, Deduct	*-3.15*	
		For >10 To 25, Deduct	*-6.29*	
		For >25, Deduct	*-9.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0233	EA	Paint Exterior Door, Both Faces, 2 Coats Paint, Brush/Roller Work	112.04	
		For Half Louvered Door, Add	*11.34*	
		For Full Louvered Door, Add	*18.89*	
		For Electrostatic Painting, Add	*16.67*	
		For >5 To 10, Deduct	*-5.60*	
		For >10 To 25, Deduct	*-11.20*	
		For >25, Deduct	*-16.81*	
09 91 13 00-0234	EA	Paint Exterior Door, One Face, 1 Coat Primer, Spray	27.76	
		For Half Louvered Door, Add	*2.49*	
		For Full Louvered Door, Add	*4.15*	
		For Electrostatic Painting, Add	*4.45*	
		For >5 To 10, Deduct	*-1.39*	
		For >10 To 25, Deduct	*-2.78*	
		For >25, Deduct	*-4.16*	
09 91 13 00-0235	EA	Paint Exterior Door, One Face, 1 Coat Paint, Spray	27.76	
		For Half Louvered Door, Add	*2.49*	
		For Full Louvered Door, Add	*4.15*	
		For Electrostatic Painting, Add	*4.45*	
		For >5 To 10, Deduct	*-1.39*	
		For >10 To 25, Deduct	*-2.78*	
		For >25, Deduct	*-4.16*	
09 91 13 00-0236	EA	Paint Exterior Door, One Face, 2 Coats Paint, Spray	50.22	
		For Half Louvered Door, Add	*4.21*	
		For Full Louvered Door, Add	*7.01*	
		For Electrostatic Painting, Add	*8.35*	
		For >5 To 10, Deduct	*-2.51*	
		For >10 To 25, Deduct	*-5.02*	
		For >25, Deduct	*-7.53*	
09 91 13 00-0237	EA	Paint Exterior Door, Both Faces, 1 Coat Primer, Spray	49.83	
		For Half Louvered Door, Add	*4.47*	
		For Full Louvered Door, Add	*7.44*	
		For Electrostatic Painting, Add	*7.99*	
		For >5 To 10, Deduct	*-2.49*	
		For >10 To 25, Deduct	*-4.98*	
		For >25, Deduct	*-7.47*	
09 91 13 00-0238	EA	Paint Exterior Door, Both Faces, 1 Coat Paint, Spray	49.83	
		For Half Louvered Door, Add	*4.47*	
		For Full Louvered Door, Add	*7.44*	
		For Electrostatic Painting, Add	*7.99*	
		For >5 To 10, Deduct	*-2.49*	
		For >10 To 25, Deduct	*-4.98*	
		For >25, Deduct	*-7.47*	
09 91 13 00-0239	EA	Paint Exterior Door, Both Faces, 2 Coats Paint, Spray	90.49	
		For Half Louvered Door, Add	*7.56*	
		For Full Louvered Door, Add	*12.60*	
		For Electrostatic Painting, Add	*15.07*	
		For >5 To 10, Deduct	*-4.52*	
		For >10 To 25, Deduct	*-9.05*	
		For >25, Deduct	*-13.57*	
09 91 13 00-0240	SF	Paint Exterior Overhead, Sectional Door, Or Roll Up Door, 1 Coat Primer, Brush/Roller Work	1.87	
		For Electrostatic Painting, Add	*0.21*	
09 91 13 00-0241	SF	Paint Exterior Overhead, Sectional Door, Or Roll Up Door, 1 Coat Paint, Brush/Roller Work	1.94	
		For Electrostatic Painting, Add	*0.23*	
09 91 13 00-0242	SF	Paint Exterior Overhead, Sectional Door, Or Roll Up Door, 2 Coats Paint, Brush/Roller Work	4.01	
		For Electrostatic Painting, Add	*0.47*	
09 91 13 00-0243	SF	Paint Exterior Overhead, Sectional Door, Or Roll Up Door, 1 Coat Primer, Sprayed	2.15	
		For Electrostatic Painting, Add	*0.24*	
09 91 13 00-0244	SF	Paint Exterior Overhead, Sectional Door, Or Roll Up Door, 1 Coat Paint, Sprayed	2.22	
		For Electrostatic Painting, Add	*0.26*	
09 91 13 00-0245	SF	Paint Exterior Overhead, Sectional Door, Or Roll Up Door, 2 Coats Paint, Sprayed	4.31	
		For Electrostatic Painting, Add	*0.50*	

09 91 13 00-0246 Wood Doors *(09 91 13 00-0219)*

09 91 13 00-0247	EA	Paint Exterior Door, One Face, 1 Coat Primer, Brush/Roller Work	35.06	
		For Half Louvered Door, Add	*3.74*	
		For Full Louvered Door, Add	*6.23*	
		For >5 To 10, Deduct	*-1.75*	
		For >10 To 25, Deduct	*-3.51*	
		For >25, Deduct	*-5.26*	
09 91 13 00-0248	EA	Paint Exterior Door, One Face, 1 Coat Paint, Brush/Roller Work	35.06	
		For Half Louvered Door, Add	*3.74*	
		For Full Louvered Door, Add	*6.23*	
		For >5 To 10, Deduct	*-1.75*	
		For >10 To 25, Deduct	*-3.51*	
		For >25, Deduct	*-5.26*	
09 91 13 00-0249	EA	Paint Exterior Door, One Face, 2 Coats Paint, Brush/Roller Work	62.23	
		For Half Louvered Door, Add	*6.31*	
		For Full Louvered Door, Add	*10.52*	
		For >5 To 10, Deduct	*-3.11*	
		For >10 To 25, Deduct	*-6.22*	
		For >25, Deduct	*-9.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0250	EA	Paint Exterior Door, Both Faces, 1 Coat Primer, Brush/Roller Work	62.90	
		For Half Louvered Door, Add	*6.70*	
		For Full Louvered Door, Add	*11.17*	
		For >5 To 10, Deduct	*-3.15*	
		For >10 To 25, Deduct	*-6.29*	
		For >25, Deduct	*-9.44*	
09 91 13 00-0251	EA	Paint Exterior Door, Both Faces, 1 Coat Paint, Brush/Roller Work	62.90	
		For Half Louvered Door, Add	*6.70*	
		For Full Louvered Door, Add	*11.17*	
		For >5 To 10, Deduct	*-3.15*	
		For >10 To 25, Deduct	*-6.29*	
		For >25, Deduct	*-9.44*	
09 91 13 00-0252	EA	Paint Exterior Door, Both Faces, 2 Coats Paint, Brush/Roller Work	112.04	
		For Half Louvered Door, Add	*11.34*	
		For Full Louvered Door, Add	*18.89*	
		For >5 To 10, Deduct	*-5.60*	
		For >10 To 25, Deduct	*-11.20*	
		For >25, Deduct	*-16.81*	
09 91 13 00-0253	EA	Paint Exterior Door, One Face, 1 Coat Primer, Spray	27.76	
		For Half Louvered Door, Add	*2.49*	
		For Full Louvered Door, Add	*4.15*	
		For >5 To 10, Deduct	*-1.39*	
		For >10 To 25, Deduct	*-2.78*	
		For >25, Deduct	*-4.16*	
09 91 13 00-0254	EA	Paint Exterior Door, One Face, 1 Coat Paint, Spray	27.76	
		For Half Louvered Door, Add	*2.49*	
		For Full Louvered Door, Add	*4.15*	
		For >5 To 10, Deduct	*-1.39*	
		For >10 To 25, Deduct	*-2.78*	
		For >25, Deduct	*-4.16*	
09 91 13 00-0255	EA	Paint Exterior Door, One Face, 2 Coats Paint, Spray	50.24	
		For Half Louvered Door, Add	*4.21*	
		For Full Louvered Door, Add	*7.02*	
		For >5 To 10, Deduct	*-2.51*	
		For >10 To 25, Deduct	*-5.02*	
		For >25, Deduct	*-7.54*	
09 91 13 00-0256	EA	Paint Exterior Door, Both Faces, 1 Coat Primer, Spray	49.83	
		For Half Louvered Door, Add	*4.47*	
		For Full Louvered Door, Add	*7.44*	
		For >5 To 10, Deduct	*-2.49*	
		For >10 To 25, Deduct	*-4.98*	
		For >25, Deduct	*-7.47*	
09 91 13 00-0257	EA	Paint Exterior Door, Both Faces, 1 Coat Paint, Spray	49.83	
		For Half Louvered Door, Add	*4.47*	
		For Full Louvered Door, Add	*7.44*	
		For >5 To 10, Deduct	*-2.49*	
		For >10 To 25, Deduct	*-4.98*	
		For >25, Deduct	*-7.47*	
09 91 13 00-0258	EA	Paint Exterior Door, Both Faces, 2 Coats Paint, Spray	90.49	
		For Half Louvered Door, Add	*7.56*	
		For Full Louvered Door, Add	*12.60*	
		For >5 To 10, Deduct	*-4.52*	
		For >10 To 25, Deduct	*-9.05*	
		For >25, Deduct	*-13.57*	
09 91 13 00-0259	SF	Paint Exterior Overhead, Sectional Door, Or Roll Up Door, 1 Coat Primer, Brush/Roller Work	1.88	
09 91 13 00-0260	SF	Paint Exterior Overhead, Sectional Door, Or Roll Up Door, 1 Coat Paint, Brush/Roller Work	1.94	
09 91 13 00-0261	SF	Paint Exterior Overhead, Sectional Door, Or Roll Up Door, 2 Coats Paint, Brush/Roller Work	4.01	
09 91 13 00-0262	SF	Paint Exterior Overhead, Sectional Door, Or Roll Up Door, 1 Coat Primer, Sprayed	2.15	
09 91 13 00-0263	SF	Paint Exterior Overhead, Sectional Door, Or Roll Up Door, 1 Coat Paint, Sprayed	2.22	
09 91 13 00-0264	SF	Paint Exterior Overhead, Sectional Door, Or Roll Up Door, 2 Coats Paint, Sprayed	4.31	

09 91 13 00-0265 Steel Windows *(09 91 13 00-0219)*

Note: Two finish coats paint over rust inhibitive primer.

09 91 13 00-0266	EA	Paint Exterior Windows Including Trim, Window Size Up To 8 SF	62.58	
		For Electrostatic Painting, Add	*7.27*	
		For >5 To 10, Deduct	*-3.13*	
		For >10 To 25, Deduct	*-6.26*	
		For >25, Deduct	*-9.39*	
09 91 13 00-0267	EA	Paint Exterior Windows Including Trim, Window Size 9 SF To 14 SF	74.84	
		For Electrostatic Painting, Add	*9.05*	
		For >5 To 10, Deduct	*-3.74*	
		For >10 To 25, Deduct	*-7.48*	
		For >25, Deduct	*-11.23*	
09 91 13 00-0268	EA	Paint Exterior Windows Including Trim, Window Size 15 SF To 20 SF	100.69	
		For Electrostatic Painting, Add	*12.29*	
		For >5 To 10, Deduct	*-5.03*	
		For >10 To 25, Deduct	*-10.07*	
		For >25, Deduct	*-15.10*	
09 91 13 00-0269	EA	Paint Exterior Windows Including Trim, Window Size 21 SF To 26 SF	113.37	
		For Electrostatic Painting, Add	*13.85*	
		For >5 To 10, Deduct	*-5.67*	
		For >10 To 25, Deduct	*-11.34*	
		For >25, Deduct	*-17.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0270	EA	Paint Exterior Windows Including Trim, Window Size 27 SF To 34 SF	125.77	
		For Electrostatic Painting, Add	*15.34*	
		For >5 To 10, Deduct	*-6.29*	
		For >10 To 25, Deduct	*-12.58*	
		For >25, Deduct	*-18.87*	
09 91 13 00-0271	SF	Paint Exterior Windows Including Trim, Window Size Over 34 SF	3.99	
		For Electrostatic Painting, Add	*0.49*	

09 91 13 00-0272 Wood Windows *(09 91 13 00-0219)*

Note: Two finish coats paint over primer.

09 91 13 00-0273	EA	Paint Exterior Windows Including Trim, Window Size Up To 8 SF	62.58	
		For >5 To 10, Deduct	*-3.13*	
		For >10 To 25, Deduct	*-6.26*	
		For >25, Deduct	*-9.39*	
09 91 13 00-0274	EA	Paint Exterior Windows Including Trim, Window Size 9 SF To 14 SF	74.84	
		For >5 To 10, Deduct	*-3.74*	
		For >10 To 25, Deduct	*-7.48*	
		For >25, Deduct	*-11.23*	
09 91 13 00-0275	EA	Paint Exterior Windows Including Trim, Window Size 15 SF To 20 SF	100.69	
		For >5 To 10, Deduct	*-5.03*	
		For >10 To 25, Deduct	*-10.07*	
		For >25, Deduct	*-15.10*	
09 91 13 00-0276	EA	Paint Exterior Windows Including Trim, Window Size 21 SF To 26 SF	113.37	
		For >5 To 10, Deduct	*-5.67*	
		For >10 To 25, Deduct	*-11.34*	
		For >25, Deduct	*-17.01*	
09 91 13 00-0277	EA	Paint Exterior Windows Including Trim, Window Size 27 SF To 34 SF	125.77	
		For >5 To 10, Deduct	*-6.29*	
		For >10 To 25, Deduct	*-12.58*	
		For >25, Deduct	*-18.87*	
09 91 13 00-0278	SF	Paint Exterior Windows Including Trim, Window Size Over 34 SF	4.21	

09 91 13 00-0279 Security Screens *(09 91 13 00-0219)*

09 91 13 00-0280	SF	Paint Security Screen, 1 Coat Primer, Brush/Roller Work	1.18	
		For Electrostatic Painting, Add	*0.14*	
09 91 13 00-0281	SF	Paint Security Screen, 1 Coat Paint, Brush/Roller Work	1.26	
		For Electrostatic Painting, Add	*0.14*	
09 91 13 00-0282	SF	Paint Security Screen, 2 Coats Paint, Brush/Roller Work	2.06	
		For Electrostatic Painting, Add	*0.23*	

09 91 13 00-0283 Window Guards *(09 91 13 00-0219)*

09 91 13 00-0284	SF	Paint Window Guards, 1 Coat Primer, Brush/Roller Work	1.18	
09 91 13 00-0285	SF	Paint Window Guards, 1 Coat Paint, Brush/Roller Work	1.26	
09 91 13 00-0286	SF	Paint Window Guards, 2 Coats Paint, Brush/Roller Work	2.06	

09 91 13 00-0287 Window Trim *(09 91 13 00-0219)*

09 91 13 00-0288	LF	Paint Wood Window Frame, 1 Coat Primer, Brush/Roller Work	1.09	
09 91 13 00-0289	LF	Paint Wood Window Frame, 1 Coat Paint, Brush/Roller Work	1.09	
09 91 13 00-0290	LF	Paint Wood Window Frame, 2 Coats Paint, Brush/Roller Work	1.29	
09 91 13 00-0291	LF	Paint Metal Window Frame, 1 Coat Primer, Brush/Roller Work	1.16	
09 91 13 00-0292	LF	Paint Metal Window Frame, 1 Coat Paint, Brush/Roller Work	1.16	
09 91 13 00-0293	LF	Paint Metal Window Frame, 2 Coats Paint, Brush/Roller Work	1.42	

09 91 13 00-0294 Roofing *(09 91 13)*

09 91 13 00-0295 Wood, Stain And Seal *(09 91 13 00-0294)*

09 91 13 00-0296	SF	Stain And Seal Shingles/Shake, 1 Coat	1.48	
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
09 91 13 00-0297	SF	Stain And Seal Shingles/Shake, 2 Coats	2.73	
		For Up To 100, Add	*1.53*	
		For >100 To 250, Add	*0.74*	
		For >250 To 500, Add	*0.32*	

09 91 13 00-0298 Metal *(09 91 13 00-0294)*

09 91 13 00-0299	SF	Paint Metal Roof, 1 Coat Paint	0.60	
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
09 91 13 00-0300	SF	Paint Metal Roof, 2 Coats Paint	1.06	
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	

09 91 13 00-0301 Fascia Board *(09 91 13 00-0294)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0302	LF	Paint Fascia Board, 1 Coat Primer, Brush/Roller Work	0.60	
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
09 91 13 00-0303	LF	Paint Fascia Board, 1 Coat Paint, Brush/Roller Work	0.60	
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
09 91 13 00-0304	LF	Paint Fascia Board, 2 Coats Paint, Brush/Roller Work	1.06	
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
09 91 13 00-0305		Soffit *(09 91 13 00-0294)*		
09 91 13 00-0306	SF	Paint Soffit, 1 Coat Primer, Brush/Roller Work	0.69	
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
09 91 13 00-0307	SF	Paint Soffit, 1 Coat Paint, Brush/Roller Work	0.69	
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
09 91 13 00-0308	SF	Paint Soffit, 2 Coats Paint, Brush/Roller Work	1.19	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
09 91 13 00-0309		Acrylic Elastomeric Coating For All Types Of Roofs *(09 91 13 00-0294)*		
		Note: Solar reflectance: 0.90/0.84 after 3 years (from www.energy-star.gov).		
09 91 13 00-0310	SF	Cool Roof Acrylic Elastomeric Roof Coating, 2 Coats (20 Mil)	1.30	
		For Each Coat Of Primer, Add	*0.33*	
09 91 13 00-0311		Site Work *(09 91 13)*		
		Note: Tasks can be used for exterior or interior applications.		
09 91 13 00-0312		Structural Steel *(09 91 13 00-0311)*		
09 91 13 00-0313		One Field Coat Paint, Brush Work *(09 91 13 00-0312)*		
09 91 13 00-0314	SF	Paint Structural Steel One Field Coat Primer, Brush/Roller Work	0.82	
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For Epoxy Paint, Add	*0.07*	
09 91 13 00-0315	SF	Paint Structural Steel One Field Coat Paint, Brush/Roller Work	0.72	
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For Epoxy Paint, Add	*0.07*	
09 91 13 00-0316		One Field Coat Paint, Spray Work *(09 91 13 00-0312)*		
09 91 13 00-0317	SF	Paint Structural Steel One Field Coat Primer, Spray Work	0.55	
		For Electrostatic Painting, Add	*0.07*	
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For Epoxy Paint, Add	*0.06*	
09 91 13 00-0318	SF	Paint Structural Steel One Field Coat Paint, Spray Work	0.44	
		For Electrostatic Painting, Add	*0.06*	
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For Epoxy Paint, Add	*0.05*	
09 91 13 00-0319		Metal Decking, Beams And Bar Joist *(09 91 13 00-0312)*		
09 91 13 00-0320	SF	Paint Exposed Metal Decking, One Coat Primer, Sprayed	0.63	
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.08*	
		For Epoxy Paint, Add	*0.06*	
09 91 13 00-0321	SF	Paint Exposed Metal Decking, One Coat Paint, Sprayed	0.63	
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.08*	
		For Epoxy Paint, Add	*0.06*	
09 91 13 00-0322	SF	Paint Exposed Metal Decking, Two Coat Paint, Sprayed	1.03	
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
		For Epoxy Paint, Add	*0.11*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0323		SF	Paint Metal Beams And Bar Joists, One Coat Primer, Brush/Roller Work	0.85	
			For Up To 100, Add	*0.52*	
			For >100 To 250, Add	*0.25*	
			For >250 To 500, Add	*0.11*	
			For Epoxy Paint, Add	*0.10*	
09 91 13 00-0324		SF	Paint Metal Beams And Bar Joists, One Coat Paint, Brush/Roller Work	0.84	
			For Up To 100, Add	*0.53*	
			For >100 To 250, Add	*0.25*	
			For >250 To 500, Add	*0.11*	
			For Epoxy Paint, Add	*0.09*	
09 91 13 00-0325		SF	Paint Metal Beams And Bar Joists, Two Coats Paint, Brush/Roller Work	1.57	
			For Up To 100, Add	*0.98*	
			For >100 To 250, Add	*0.47*	
			For >250 To 500, Add	*0.20*	
			For Epoxy Paint, Add	*0.18*	
09 91 13 00-0326		SF	Paint Metal Beams And Bar Joists, One Coat Primer, Sprayed	0.75	
			For Up To 100, Add	*0.48*	
			For >100 To 250, Add	*0.23*	
			For >250 To 500, Add	*0.10*	
			For Epoxy Paint, Add	*0.08*	
09 91 13 00-0327		SF	Paint Metal Beams And Bar Joists, One Coat Paint, Sprayed	0.75	
			For Up To 100, Add	*0.48*	
			For >100 To 250, Add	*0.23*	
			For >250 To 500, Add	*0.10*	
			For Epoxy Paint, Add	*0.08*	
09 91 13 00-0328		SF	Paint Metal Beams And Bar Joists, Two Coats Paint, Sprayed	1.25	
			For Up To 100, Add	*0.76*	
			For >100 To 250, Add	*0.37*	
			For >250 To 500, Add	*0.16*	
			For Epoxy Paint, Add	*0.15*	

09 91 13 00-0329 Steel Pipes *(09 91 13 00-0311)*

Note: Includes pipe, tubes, rails, conduit, etc.

09 91 13 00-0330		LF	Paint Conduit, Steel Pipe 1/2" To 1-1/2" Diameter, One Coat Primer	1.22	
			For Electrostatic Painting, Add	*0.14*	
			For Epoxy Paint, Add	*0.11*	
09 91 13 00-0331		LF	Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter, One Coat Primer	1.37	
			For Electrostatic Painting, Add	*0.16*	
			For Epoxy Paint, Add	*0.12*	
09 91 13 00-0332		LF	Paint Steel Pipes 4" Diameter, One Coat Primer	1.55	
			For Electrostatic Painting, Add	*0.19*	
			For Epoxy Paint, Add	*0.14*	
09 91 13 00-0333		LF	Paint Steel Pipes 6" To 8" Diameter, One Coat Primer	1.93	
			For Electrostatic Painting, Add	*0.23*	
			For Epoxy Paint, Add	*0.17*	
09 91 13 00-0334		LF	Paint Steel Pipes 10" To 12" Diameter One Coat Primer	2.44	
			For Electrostatic Painting, Add	*0.29*	
			For Epoxy Paint, Add	*0.21*	
09 91 13 00-0335		LF	Paint Conduit, Steel Pipe 1/2"To 1-1/2" Diameter, One Coat Paint	1.22	
			For Electrostatic Painting, Add	*0.14*	
			For Epoxy Paint, Add	*0.11*	
09 91 13 00-0336		LF	Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter, One Coat Paint	1.37	
			For Electrostatic Painting, Add	*0.16*	
			For Epoxy Paint, Add	*0.12*	
09 91 13 00-0337		LF	Paint Steel Pipes 4" Diameter, One Coat Paint	1.55	
			For Electrostatic Painting, Add	*0.19*	
			For Epoxy Paint, Add	*0.14*	
09 91 13 00-0338		LF	Paint Steel Pipes 6" To 8" Diameter, One Coat Paint	1.93	
			For Electrostatic Painting, Add	*0.23*	
			For Epoxy Paint, Add	*0.17*	
09 91 13 00-0339		LF	Paint Steel Pipes 10" To 12" Diameter One Coat Paint	2.44	
			For Electrostatic Painting, Add	*0.29*	
			For Epoxy Paint, Add	*0.21*	
09 91 13 00-0340		LF	Paint Conduit, Steel Pipe 1/2" To 1-1/2" Diameter, Two Coats	2.44	
			For Electrostatic Painting, Add	*0.30*	
			For Epoxy Paint, Add	*0.24*	
09 91 13 00-0341		LF	Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter, Two Coats	2.73	
			For Electrostatic Painting, Add	*0.32*	
			For Epoxy Paint, Add	*0.24*	
09 91 13 00-0342		LF	Paint Steel Pipes 4" Diameter, Two Coats	2.94	
			For Electrostatic Painting, Add	*0.35*	
			For Epoxy Paint, Add	*0.26*	
09 91 13 00-0343		LF	Paint Steel Pipes 6" To 8" Diameter, Two Coats	3.72	
			For Electrostatic Painting, Add	*0.44*	
			For Epoxy Paint, Add	*0.33*	
09 91 13 00-0344		LF	Paint Steel Pipes 10" To 12" Diameter, Two Coats	4.58	
			For Electrostatic Painting, Add	*0.55*	
			For Epoxy Paint, Add	*0.41*	

09 91 13 00-0345 Fence Painting *(09 91 13 00-0311)*

Note: Per side of fence. Based on gross fence area (length of fence x height of fence).

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0346	SF	Paint Existing Chain Link Fence, One Coat Paint, Brush/Roller	0.61	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
09 91 13 00-0347	SF	Paint Existing Chain Link Fence, Two Coats Paint, Brush/Roller	1.12	
		For Epoxy Paint, Add	*0.11*	
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
09 91 13 00-0348	SF	Paint Existing Chain Link Fence, One Coat Paint, Spray	0.55	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
09 91 13 00-0349	SF	Paint Existing Chain Link Fence, Two Coats Paint, Spray	1.01	
		For Epoxy Paint, Add	*0.11*	
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
09 91 13 00-0350	SF	Paint Wrought Iron Fence, One Coat Primer, Brush/Roller	0.54	
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
09 91 13 00-0351	SF	Paint Wrought Iron Fence, One Coat, Brush/Roller	0.52	
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
09 91 13 00-0352	SF	Paint Wrought Iron Fence, Each Additional Coat, Brush/Roller	0.36	
		For Up To 100, Add	*0.22*	
		For >100 To 250, Add	*0.10*	
		For >250 To 500, Add	*0.05*	
09 91 13 00-0353	SF	Paint Picket Fence, One Coat Primer, Brush/Roller	0.78	
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
09 91 13 00-0354	SF	Paint Picket Fence, One Coat, Brush/Roller	0.75	
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
09 91 13 00-0355	SF	Paint Picket Fence, Each Additional Coat, Brush/Roller	0.53	
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
09 91 13 00-0356	SF	Paint Wood Fences One Coat, Brush/Roller	0.54	
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
09 91 13 00-0357	SF	Paint Wood Fences Two Coats, Brush/Roller	0.96	
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
09 91 13 00-0358	SF	Paint Wood Fences One Coat, Spray	0.44	
		For Up To 100, Add	*0.26*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
09 91 13 00-0359	SF	Paint Wood Fences Two Coats, Spray	0.81	
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	

09 91 13 00-0360 Metal Surfaces *(09 91 13 00-0311)*

09 91 13 00-0361	SF	Paint Miscellaneous Exposed Metal One Coat Alkyd Primer	1.09	
		For Epoxy Paint, Add	*0.10*	
		For Electrostatic Painting, Add	*0.13*	
09 91 13 00-0362	SF	Paint Miscellaneous Exposed Metal One Coat Alkyd Enamel	1.04	
		For Epoxy Paint, Add	*0.08*	
		For Electrostatic Painting, Add	*0.12*	
09 91 13 00-0363	SF	Paint Miscellaneous Exposed Metal Two Coats Alkyd Enamel	2.10	
		For Epoxy Paint, Add	*0.17*	
		For Electrostatic Painting, Add	*0.24*	
09 91 13 00-0364	SF	Paint Ventilation Louver, SF Of Opening Area, One Coat Primer	1.25	
		For Electrostatic Painting, Add	*0.15*	
09 91 13 00-0365	SF	Paint Ventilation Louver, SF Of Opening Area, One Coat Alkyd	1.20	
		For Electrostatic Painting, Add	*0.14*	
09 91 13 00-0366	SF	Paint Ventilation Louver, SF Of Opening Area, Two Coats Alkyd	2.43	
		For Electrostatic Painting, Add	*0.27*	

09 91 13 00-0367 Ladders *(09 91 13 00-0311)*

09 91 13 00-0368	LF	Paint Ladders One Coat Alkyd Primer	3.37	
		For Epoxy Paint, Add	*0.19*	
09 91 13 00-0369	LF	Paint Ladders One Coat Alkyd Enamel	3.77	
		For Epoxy Paint, Add	*0.21*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0370	LF	Paint Ladders Two Coats Alkyd Enamel	7.47	
		For Epoxy Paint, Add	*0.40*	
09 91 13 00-0371		**Handrails** *(09 91 13 00-0311)*		
09 91 13 00-0372	LF	Paint Stair Hand Rail And Bracket, 1 Rail One Coat Alkyd Enamel	1.46	
		For Epoxy Paint, Add	*0.09*	
09 91 13 00-0373	LF	Paint Stair Hand Rail And Bracket, 1 Rail Two Coats Alkyd Enamel	2.43	
		For Epoxy Paint, Add	*0.14*	
09 91 13 00-0374	LF	Paint Stair Pipe Rail And Pickets, 1 Rail One Coat Alkyd Enamel	2.21	
		For Epoxy Paint, Add	*0.14*	
09 91 13 00-0375	LF	Paint Stair Pipe Rail And Pickets, 1 Rail Two Coats Alkyd Enamel	3.90	
		For Epoxy Paint, Add	*0.24*	
09 91 13 00-0376	LF	Paint Stair Pipe Rail And Pickets, 2 Rails One Coat Alkyd Enamel	2.42	
		For Epoxy Paint, Add	*0.15*	
09 91 13 00-0377	LF	Paint Stair Pipe Rail And Pickets, 2 Rails Two Coats Alkyd Enamel	4.18	
		For Epoxy Paint, Add	*0.25*	
09 91 13 00-0378	LF	Paint Balustrades, One Coat Alkyd Enamel	1.51	
		For Epoxy Paint, Add	*0.13*	
09 91 13 00-0379	LF	Paint Balustrades, Two Coats Alkyd Enamel	2.73	
		For Epoxy Paint, Add	*0.24*	
09 91 13 00-0380		**Grating** *(09 91 13 00-0311)*		
09 91 13 00-0381	SF	Paint Gratings And Frames One Coat Primer	2.51	
		For Epoxy Paint, Add	*0.17*	
09 91 13 00-0382	SF	Paint Gratings And Frames One Coat Paint	2.46	
		For Epoxy Paint, Add	*0.15*	
09 91 13 00-0383	SF	Paint Gratings And Frames Two Coats Paint	3.67	
		For Epoxy Paint, Add	*0.24*	
09 91 13 00-0384		**Other Site Work Tasks** *(09 91 13 00-0311)*		
09 91 13 00-0385		**Shutters Or Blinds, Solid Panel** *(09 91 13 00-0384)*		
09 91 13 00-0386	SF	Shutter Or Blinds, Solid Panel, One Coat Primer, Brush	2.67	
09 91 13 00-0387	SF	Shutter Or Blinds, Solid Panel, One Coat, Brush	2.66	
09 91 13 00-0388	SF	Shutter Or Blinds, Solid Panel, Two Coats, Brush	4.73	
09 91 13 00-0389	SF	Shutter Or Blinds, Solid Panel, One Coat Primer, Spray	1.49	
09 91 13 00-0390	SF	Shutter Or Blinds, Solid Panel, One Coat, Spray	1.48	
09 91 13 00-0391	SF	Shutter Or Blinds, Solid Panel, Two Coats, Spray	2.73	
09 91 13 00-0392		**Shutters Or Blinds, Louvered Panel** *(09 91 13 00-0384)*		
09 91 13 00-0393	SF	Shutter Or Blinds, Louvered Panel, One Coat Primer, Brush	3.32	
09 91 13 00-0394	SF	Shutter Or Blinds, Louvered Panel, One Coat, Brush	3.31	
09 91 13 00-0395	SF	Shutter Or Blinds, Louvered Panel, Two Coats, Brush	5.86	
09 91 13 00-0396	SF	Shutter Or Blinds, Louvered Panel, One Coat Primer, Spray	1.82	
09 91 13 00-0397	SF	Shutter Or Blinds, Louvered Panel, One Coat, Spray	1.81	
09 91 13 00-0398	SF	Shutter Or Blinds, Louvered Panel, Two Coats, Spray	3.33	
09 91 13 00-0399		**Flagpoles** *(09 91 13 00-0384)*		
09 91 13 00-0400	EA	Paint Steel Flagpole, 20' High, One Coat Paint	154.97	
09 91 13 00-0401	EA	Paint Steel Flagpole, 30' High, One Coat Paint	208.10	
09 91 13 00-0402	EA	Paint Steel Flagpole, 40' High, One Coat Paint	261.25	
09 91 13 00-0403	EA	Paint Steel Flagpole, 50' High, One Coat Paint	314.42	
09 91 13 00-0404	EA	Paint Steel Flagpole, 70' High, One Coat Paint	415.85	
09 91 13 00-0405	EA	Paint Steel Flagpole, 80' High, One Coat Paint	468.40	
09 91 13 00-0406	EA	Paint Steel Flagpole, 90' High, One Coat Paint	520.95	
09 91 13 00-0407		**Lattice Or Trellis** *(09 91 13 00-0384)*		
09 91 13 00-0408	SF	Paint Wood Lattice Or Trellis One Coat, Spray Per Side	1.16	
09 91 13 00-0409	SF	Paint Wood Lattice Or Trellis Two Coats, Spray Per Side	2.14	
		For Up To 100, Add	*1.48*	
		For >100 To 250, Add	*0.70*	
		For >250 To 500, Add	*0.30*	
09 91 13 00-0410		**Equipment And Tanks** *(09 91 13 00-0311)*		
09 91 13 00-0411		**Valves, Primer And Finish Coats** *(09 91 13 00-0410)*		
09 91 13 00-0412	EA	Prime And Paint 4" And Smaller Valve	23.63	
09 91 13 00-0413	EA	Prime And Paint 6" To 10" Valve	28.74	
09 91 13 00-0414	EA	Prime And Paint 12" To 18" Valve	38.01	
09 91 13 00-0415	EA	Prime And Paint 20" To 24" Valve	51.42	
09 91 13 00-0416	EA	Prime And Paint >24" To 36" Valve	69.95	
09 91 13 00-0417	EA	Prime And Paint >36" To 48" Valve	94.53	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0418		Pumps And Motors. Primer And Finish Coats *(09 91 13 00-0410)*		
09 91 13 00-0419	EA	Prime And Paint Pump Under 1 HP	71.85	
09 91 13 00-0420	EA	Prime And Paint Pump, 1 HP To 5 HP	93.24	
09 91 13 00-0421	EA	Prime And Paint Pump, >5 HP To 10 HP	110.47	
09 91 13 00-0422	EA	Prime And Paint Pump, >10 HP To 20 HP	122.59	
09 91 13 00-0423	EA	Prime And Paint Pump, >20 HP To 30 HP	143.01	
09 91 13 00-0424	EA	Prime And Paint Pump, >30 HP To 50 HP	163.46	
09 91 13 00-0425	EA	Prime And Paint Pump, >50 HP To 75 HP	179.74	
09 91 13 00-0426	EA	Prime And Paint Pump, >75 HP	204.32	
09 91 13 00-0427		Stairs *(09 91 13)*		
09 91 13 00-0428		Concrete *(09 91 13 00-0427)*		
09 91 13 00-0429	RSR	Paint Concrete Stair (To 4' Wide) One Coat Primer	14.71	
09 91 13 00-0430	RSR	Paint Concrete Stair (To 4' Wide) One Coat Alkyd Enamel	14.71	
09 91 13 00-0431	RSR	Paint Concrete Stair (To 4' Wide) One Coat Non Slip Paint	17.70	
09 91 13 00-0432	RSR	Paint Concrete Stair (To 4' Wide) One Coat Non Slip Epoxy Coating	26.39	
09 91 13 00-0433	RSR	Paint Concrete Stair (To 4' Wide) Two Coats Alkyd Enamel	29.42	
09 91 13 00-0434		Metal *(09 91 13 00-0427)*		
09 91 13 00-0435	RSR	Paint Metal Stair (To 4' Wide) One Coat Primer	7.54	
		For Oil Based Paint, Add	*0.40*	
09 91 13 00-0436	RSR	Paint Metal Stair (To 4' Wide) One Coat Alkyd Enamel	7.54	
		For Oil Based Paint, Add	*0.40*	
09 91 13 00-0437	RSR	Paint Metal Stair (To 4' Wide) Two Coats Alkyd Enamel	15.08	
		For Oil Based Paint, Add	*0.79*	
09 91 13 00-0438		Wood *(09 91 13 00-0427)*		
09 91 13 00-0439	RSR	Paint Wood Stair (To 4' Wide) One Coat Primer	7.54	
09 91 13 00-0440	RSR	Paint Wood Stair (To 4' Wide) One Coat Alkyd Enamel	7.53	
09 91 13 00-0441	RSR	Paint Wood Stair (To 4' Wide) One Coat Non Slip Paint	10.52	
09 91 13 00-0442	RSR	Paint Wood Stair (To 4' Wide) One Coat Non Slip Epoxy Coating	19.21	
09 91 13 00-0443	RSR	Paint Wood Stair (To 4' Wide) Two Coats Alkyd Enamel	15.07	
09 91 13 00-0444		Stair Nosing *(09 91 13 00-0427)*		
09 91 13 00-0445	LF	Paint Yellow Stair Safety Strip, Up To 2", Non Slip	1.23	
09 91 13 00-0446		Trim Work *(09 91 13)*		
09 91 13 00-0447		Metal *(09 91 13 00-0446)*		
09 91 13 00-0448	SF	Paint Exterior Exposed Metal Trim, 1 Coat Primer, Brush Work	1.03	
09 91 13 00-0449	SF	Paint Exterior Exposed Metal Trim, 1 Coat Paint, Brush Work	1.03	
09 91 13 00-0450	SF	Paint Exterior Exposed Metal Trim, 2 Coats Paint, Brush Work	1.85	
09 91 13 00-0451	SF	Paint Exterior Exposed Metal Trim, 1 Coat Primer, Brush/Roller Work	0.82	
09 91 13 00-0452	SF	Paint Exterior Exposed Metal Trim, 1 Coat Paint, Brush/Roller Work	0.92	
09 91 13 00-0453	SF	Paint Exterior Exposed Metal Trim, 2 Coats Paint, Brush/Roller Work	1.64	
09 91 13 00-0454	LF	Paint Exterior Gutter And Downspout, 1 Coat Paint, Brush Work	1.50	
09 91 13 00-0455	LF	Paint Exterior Gutter And Downspout, 2 Coats Paint, Brush Work	2.02	
09 91 13 00-0456		Wood *(09 91 13 00-0446)*		
09 91 13 00-0457	SF	Paint Exterior Wood Trim, 1 Coat Primer, Brush Work	1.21	
		For Oil Based Paint, Add	*0.07*	
09 91 13 00-0458	SF	Paint Exterior Wood Trim, 1 Coat Paint, Brush Work	1.31	
		For Oil Based Paint, Add	*0.08*	
09 91 13 00-0459	SF	Paint Exterior Wood Trim, 2 Coats Paint, Brush Work	2.38	
		For Oil Based Paint, Add	*0.14*	
09 91 13 00-0460	SF	Paint Exterior Wood Trim, 1 Coat Primer, Brush/Roller Work	0.96	
		For Oil Based Paint, Add	*0.06*	
09 91 13 00-0461	SF	Paint Exterior Wood Trim, 1 Coat Paint, Brush/Roller Work	1.06	
		For Oil Based Paint, Add	*0.06*	
09 91 13 00-0462	SF	Paint Exterior Wood Trim, 2 Coats Paint, Brush/Roller Work	1.97	
		For Oil Based Paint, Add	*0.12*	

09 91 23 Interior Painting *(09 91)*

Note: Acrylic latex paint unless otherwise stated. VOC compliant in all regulated areas, see specifications for levels.

09 91 23 00-0001 Walls *(09 91 23)*

09 91 23 00-0002 Brick Surfaces *(09 91 23 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0003	SF	Paint Interior Brick 1 Coat Filler, Brush Work	0.80	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0004	SF	Paint Interior Brick 1 Coat Paint, Brush Work	0.92	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0005	SF	Paint Interior Brick 2 Coats Paint, Brush Work	1.64	
		For Oil Based Paint, Add	*0.10*	
		For Up To 100, Add	*1.05*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.33*	
09 91 23 00-0006	SF	Paint Interior Brick 1 Coat Filler, Brush/Roller Work	0.65	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0007	SF	Paint Interior Brick 1 Coat Paint, Brush/Roller Work	0.80	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0008	SF	Paint Interior Brick 2 Coats Paint, Brush/Roller Work	1.37	
		For Oil Based Paint, Add	*0.09*	
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.27*	
09 91 23 00-0009	SF	Paint Interior Brick 1 Coat Filler, Spray	0.49	
		For Oil Based Paint, Add	*0.03*	
		For Up To 100, Add	*0.28*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.10*	
09 91 23 00-0010	SF	Paint Interior Brick 1 Coat Paint, Spray	0.54	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.28*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 23 00-0011	SF	Paint Interior Brick 2 Coats Paint, Spray	0.95	
		For Oil Based Paint, Add	*0.07*	
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0012	SF	Paint Interior Brick 1 Coat Bonding Agent, Brush Work	0.82	
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0013	SF	Paint Interior Brick 1 Coat Bonding Agent, Brush/Roller Work	0.67	
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0014	SF	Paint Interior Brick 1 Coat Bonding Agent, Spray	0.52	
		For Up To 100, Add	*0.28*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	

09 91 23 00-0015 Concrete Surfaces *(09 91 23 00-0001)*

09 91 23 00-0016	SF	Paint Interior Concrete, 1 Coat Filler, Brush Work	0.68	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.07*	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0017	SF	Paint Interior Concrete, 1 Coat Paint, Brush Work	0.75	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0018	SF	Paint Interior Concrete, 2 Coats Paint, Brush Work	1.35	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.94*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 23 00-0019	SF	Paint Interior Concrete, 1 Coat Filler, Brush/Roller Work	0.55	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 23 00-0020	SF	Paint Interior Concrete, 1 Coat Paint, Brush/Roller Work	0.63	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0021	SF	Paint Interior Concrete, 2 Coats Paint, Brush/Roller Work	1.13	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.11*	
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0022	SF	Paint Interior Concrete, 1 Coat Filler, Spray	0.39	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.21*	
		For >100 To 250, Add	*0.10*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.06*	
		For >20,000, Deduct	*-0.08*	
09 91 23 00-0023	SF	Paint Interior Concrete, 1 Coat Paint, Spray	0.45	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
09 91 23 00-0024	SF	Paint Interior Concrete, 2 Coats Paint, Spray	0.73	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0025	SF	Paint Interior Concrete, 1 Coat Bonding Agent, Brush Work	0.70	
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0026	SF	Paint Interior Concrete, 1 Coat Bonding Agent, Brush/Roller Work	0.57	
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.11*	
09 91 23 00-0027	SF	Paint Interior Concrete, 1 Coat Bonding Agent, Spray	0.41	
		For Up To 100, Add	*0.22*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.06*	
		For >20,000, Deduct	*-0.08*	

09 91 23 00-0028 Concrete Block Surfaces *(09 91 23 00-0001)*

09 91 23 00-0029 Concrete Block, Epoxy Paint *(09 91 23 00-0028)*

09 91 23 00-0030	SF	Paint Interior Concrete Block, 1 Coat Filler, Brush Work	0.93	
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0031	SF	Paint Interior Concrete Block, 1 Coat Epoxy Paint, Brush	1.08	
		For Up To 100, Add	*0.70*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0032	SF	Paint Interior Concrete Block, 2 Coats Epoxy Paint, Brush Work	1.94	
		For Up To 100, Add	*1.22*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0033	SF	Paint Interior Concrete Block, 1 Coat Filler, Brush/Roller Work	0.76	
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0034	SF	Paint Interior Concrete Block, 1 Coat Epoxy Paint, Brush/Roller Work	0.85	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0035	SF	Paint Interior Concrete Block, 2 Coats Epoxy Paint, Brush/Roller Work	1.60	
		For Up To 100, Add	*0.97*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 23 00-0036	SF	Paint Interior Concrete Block, 1 Coat Filler, Sprayed	0.55	
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 23 00-0037	SF	Paint Interior Concrete Block, 1 Coat Epoxy Paint, Sprayed	0.67	
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0038	SF	Paint Interior Concrete Block, 2 Coats Epoxy Paint, Sprayed	1.21	
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	

09 91 23 00-0039 Concrete Block Surfaces, Acrylic Latex Paint *(09 91 23 00-0028)*

09 91 23 00-0040	SF	Paint Interior Concrete Block, 1 Coat Filler, Brush Work	0.88	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0041	SF	Paint Interior Concrete Block, 1 Coat Paint, Brush Work	1.03	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0042	SF	Paint Interior Concrete Block, 2 Coats Paint, Brush Work	1.87	
		For Oil Based Paint, Add	*0.11*	
		For Up To 100, Add	*1.20*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.37*	
09 91 23 00-0043	SF	Paint Interior Concrete Block, Texture Coat, Brush Work	1.14	
		For Oil Based Paint, Add	*0.07*	
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0044	SF	Paint Interior Concrete Block, 1 Coat Filler, Brush/Roller Work	0.74	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0045	SF	Paint Interior Concrete Block, 1 Coat Paint, Brush/Roller Work	0.87	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0046	SF	Paint Interior Concrete Block, 2 Coats Paint, Brush/Roller Work	1.55	
		For Oil Based Paint, Add	*0.09*	
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	
09 91 23 00-0047	SF	Paint Interior Concrete Block, Texture Coat, Brush/Roller Work	0.97	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0048	SF	Paint Interior Concrete Block, 1 Coat Filler, Spray	0.55	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.31*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 23 00-0049	SF	Paint Interior Concrete Block, 1 Coat Paint, Spray	0.64	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0050	SF	Paint Interior Concrete Block, 2 Coats Paint, Spray	0.91	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0051	SF	Paint Interior Concrete Block, Texture Coat, Spray	0.75	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	

09 91 23 00-0052 Concrete Block Bonding Agent *(09 91 23 00-0028)*

09 91 23 00-0053	SF	Paint Interior Concrete Block, 1 Coat Bonding Agent, Brush	0.90	
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0054	SF	Paint Interior Concrete Masonry Units, 1 Coat Bonding Agent, Brush/Roller Work	0.76	
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0055	SF	Paint Interior Concrete Masonry Units, 1 Coat Bonding Agent, Sprayed	0.58	
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0056		Drywall/Plaster Surfaces *(09 91 23 00-0001)*		
09 91 23 00-0057		Plaster/Drywall *(09 91 23 00-0056)*		
09 91 23 00-0058	SF	Paint Interior Plaster/Drywall, 1 Coat Primer, Brush	0.72	
		For Oil Based Paint, Add	*0.04*	
		For Orange Peel Finish, Add	*0.10*	
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0059	SF	Paint Interior Plaster/Drywall, 1 Coat Paint, Brush	0.76	
		For Oil Based Paint, Add	*0.04*	
		For Orange Peel Finish, Add	*0.11*	
		For Each Coat With Egg Shell Finish, Add	*0.01*	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0060	SF	Paint Interior Plaster/Drywall, 2 Coats Paint, Brush	1.38	
		For Oil Based Paint, Add	*0.08*	
		For Orange Peel Finish, Add	*0.20*	
		For Each Coat With Egg Shell Finish, Add	*0.01*	
		For Up To 100, Add	*0.93*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 23 00-0061	SF	Paint Interior Plaster/Drywall, 3 Coats Paint, Brush	1.96	
		For Oil Based Paint, Add	*0.11*	
		For Orange Peel Finish, Add	*0.28*	
		For Each Coat With Egg Shell Finish, Add	*0.01*	
		For Up To 100, Add	*1.31*	
		For >100 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.39*	
09 91 23 00-0062	SF	Paint Interior Plaster/Drywall, 1 Coat Primer, Brush/Roller Work	0.57	
		For Oil Based Paint, Add	*0.03*	
		For Orange Peel Finish, Add	*0.08*	
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.11*	
09 91 23 00-0063	SF	Paint Interior Plaster/Drywall, 1 Coat Paint, Brush/Roller Work	0.65	
		For Oil Based Paint, Add	*0.04*	
		For Orange Peel Finish, Add	*0.09*	
		For Each Coat With Egg Shell Finish, Add	*0.01*	
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0064	SF	Paint Interior Plaster/Drywall, 2 Coats Paint, Brush/Roller Work	1.13	
		For Oil Based Paint, Add	*0.07*	
		For Orange Peel Finish, Add	*0.16*	
		For Each Coat With Egg Shell Finish, Add	*0.01*	
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 23 00-0065	SF	Paint Interior Plaster/Drywall, 1 Coat Primer, Sprayed	0.39	
		For Oil Based Paint, Add	*0.03*	
		For Up To 100, Add	*0.21*	
		For >100 To 250, Add	*0.10*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.06*	
		For >20,000, Deduct	*-0.08*	
09 91 23 00-0066	SF	Paint Interior Plaster/Drywall, 1 Coat Paint, Sprayed	0.45	
		For Oil Based Paint, Add	*0.03*	
		For Each Coat With Egg Shell Finish, Add	*0.01*	
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
09 91 23 00-0067	SF	Paint Interior Plaster/Drywall, 2 Coats Paint, Sprayed	0.73	
		For Oil Based Paint, Add	*0.05*	
		For Each Coat With Egg Shell Finish, Add	*0.01*	
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	

09 91 23 00-0068 Polymix Multi-Color Spray Applied Paint Finish *(09 91 23 00-0056)*

09 91 23 00-0069	SF	Interior Plaster, Drywall Or Masonry Wall, 2 Tone With Base Coat	1.24	
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0070	SF	Interior Plaster, Drywall Or Masonry Wall, 3 Tone With Base Coat	1.35	
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 23 00-0071	SF	Interior Plaster, Drywall Or Masonry Wall, 4 Tone With Base Coat	1.46	
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	

09 91 23 00-0072 Spray-On Textured Acoustical Paint *(09 91 23 00-0056)*

09 91 23 00-0073	SF	Acoustic Spray-on Texture Paint, 1 Coat Primer	0.61	
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0074	SF	Acoustic Spray-on Texture Paint, 1 Coat Finish	0.72	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0075	SF	Acoustic Spray-on Texture Paint, 2 Coats Finish	1.11	
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0076	SF	Stipple Finish (Drippowder)	1.39	
		For Up To 100, Add	*1.00*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	

09 91 23 00-0077 Metal Surfaces *(09 91 23 00-0001)*

09 91 23 00-0078 Galvanized Surfaces, Galvanized Primer *(09 91 23 00-0077)*

Note: Linseed oil or acrylic latex paint.

09 91 23 00-0079	SF	Paint Interior Galvanized Surfaces, One Coat Primer, Brush Work	0.82	
		For Electrostatic Painting, Add	*0.10*	
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0080	SF	Paint Interior Galvanized Surfaces, One Coat Paint, Brush Work	0.91	
		For Electrostatic Painting, Add	*0.11*	
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0081	SF	Paint Interior Galvanized Surfaces, Two Coats Paint, Brush Work	1.64	
		For Electrostatic Painting, Add	*0.21*	
		For Up To 100, Add	*1.05*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.33*	
09 91 23 00-0082	SF	Paint Interior Galvanized Surfaces, One Coat Primer, Brush/Roller Work	0.60	
		For Electrostatic Painting, Add	*0.08*	
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0083	SF	Paint Interior Galvanized Surfaces, One Coat Paint, Brush/Roller Work	0.71	
		For Electrostatic Painting, Add	*0.09*	
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0084	SF	Paint Interior Galvanized Surfaces, Two Coats Paint, Brush/Roller Work	1.31	
		For Electrostatic Painting, Add	*0.17*	
		For Up To 100, Add	*0.83*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0085	SF	Paint Interior Galvanized Surfaces, One Primer, Sprayed	0.41	
		For Electrostatic Painting, Add	*0.07*	
		For Up To 100, Add	*0.21*	
		For >100 To 250, Add	*0.10*	
		For >250 To 500, Add	*0.04*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.06*	
		For >20,000, Deduct	*-0.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0086	SF	Paint Interior Galvanized Surfaces, One Paint, Sprayed	0.55	
		For Electrostatic Painting, Add	*0.08*	
		For Up To 100, Add	*0.31*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 23 00-0087	SF	Paint Interior Galvanized Surfaces, Two Coats Paint, Sprayed	0.91	
		For Electrostatic Painting, Add	*0.14*	
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	

09 91 23 00-0088 Aluminum And Aluminum Alloy Surface Pretreatment Primer *(09 91 23 00-0077)*

Note: Alkyd enamel paint.

09 91 23 00-0089	SF	Paint Interior Aluminum And Aluminum Alloy Surface, One Coat Primer, Brush Work	0.82	
		For Electrostatic Painting, Add	*0.10*	
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0090	SF	Paint Interior Aluminum And Aluminum Alloy Surface, One Coat Paint, Brush Work	0.91	
		For Electrostatic Painting, Add	*0.11*	
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0091	SF	Paint Interior Aluminum And Aluminum Alloy Surface, Two Coats Paint, Brush Work	1.64	
		For Electrostatic Painting, Add	*0.21*	
		For Up To 100, Add	*1.05*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.33*	
09 91 23 00-0092	SF	Paint Interior Aluminum And Aluminum Alloy Surface, One Coat Primer, Brush/Roller Work	0.65	
		For Electrostatic Painting, Add	*0.09*	
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0093	SF	Paint Interior Aluminum And Aluminum Alloy Surface, One Coat Paint, Brush/Roller Work	0.75	
		For Electrostatic Painting, Add	*0.10*	
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0094	SF	Paint Interior Aluminum And Aluminum Alloy Surface, Two Coats Paint, Brush/Roller Work	1.39	
		For Electrostatic Painting, Add	*0.19*	
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 23 00-0095	SF	Paint Interior Aluminum And Aluminum Alloy Surface, One Coat Primer, Sprayed	0.45	
		For Electrostatic Painting, Add	*0.07*	
		For Up To 100, Add	*0.24*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0096	SF	Paint Interior Aluminum And Aluminum Alloy Surface, One Coat Paint, Sprayed	0.55	
		For Electrostatic Painting, Add	*0.08*	
		For Up To 100, Add	*0.31*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 23 00-0097	SF	Paint Interior Aluminum And Aluminum Alloy Surface, Two Coats Paint, Sprayed	0.91	
		For Electrostatic Painting, Add	*0.14*	
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	

09 91 23 00-0098 Miscellaneous Surfaces *(09 91 23 00-0077)*

09 91 23 00-0099	SF	Paint Interior Miscellaneous Exposed Metal, 1 Coat Primer, Brush/Roller Work	0.61	
		For Electrostatic Painting, Add	*0.08*	
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0100	SF	Paint Interior Miscellaneous Exposed Metal, 1 Coat Alkyd Enamel, Brush/Roller Work	0.82	
		For Electrostatic Painting, Add	*0.10*	
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0101	SF	Paint Interior Miscellaneous Exposed Metal, 2 Coats Alkyd Enamel Paint, Brush/Roller Work	1.27	
		For Electrostatic Painting, Add	*0.15*	
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0102	SF	Paint Interior Miscellaneous Exposed Metal, 1 Coat Primer, Sprayed	0.70	
		For Electrostatic Painting, Add	*0.09*	
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0103	SF	Paint Interior Miscellaneous Exposed Metal, 1 Coat Alkyd, Sprayed	0.70	
		For Electrostatic Painting, Add	*0.09*	
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0104	SF	Paint Interior Miscellaneous Exposed Metal, 2 Coats Alkyd, Sprayed	1.08	
		For Electrostatic Painting, Add	*0.13*	
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	

09 91 23 00-0105 Corrugated Metal Surfaces *(09 91 23 00-0077)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0106	SF	Paint Interior Corrugated Metal Surfaces, One Primer, Sprayed	0.51	
		For Electrostatic Painting, Add	*0.08*	
		For Up To 100, Add	*0.26*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	
09 91 23 00-0107	SF	Paint Interior Corrugated Metal Surfaces, One Paint, Sprayed	0.71	
		For Electrostatic Painting, Add	*0.10*	
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0108	SF	Paint Interior Corrugated Metal Surfaces, Two Coats Paint, Sprayed	1.15	
		For Electrostatic Painting, Add	*0.17*	
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	

09 91 23 00-0109 Stucco Surfaces *(09 91 23 00-0001)*

09 91 23 00-0110	SF	Paint Interior Stucco Surfaces One Coat Primer, Brush Work	1.18	
		For Oil Based Paint, Add	*0.07*	
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 23 00-0111	SF	Paint Interior Stucco Surfaces One Coat Paint, Brush Work	1.29	
		For Oil Based Paint, Add	*0.07*	
		For Up To 100, Add	*0.88*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0112	SF	Paint Interior Stucco Surfaces, Two Coats Paint, Brush Work	2.28	
		For Oil Based Paint, Add	*0.13*	
		For Up To 100, Add	*1.53*	
		For >100 To 250, Add	*0.72*	
		For >250 To 500, Add	*0.31*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000, Deduct	*-0.46*	
09 91 23 00-0113	SF	Paint Interior Stucco Surfaces One Coat Primer, Brush/Roller Work	0.89	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0114	SF	Paint Interior Stucco Surfaces One Coat Paint, Brush/Roller Work	1.00	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0115	SF	Paint Interior Stucco Surfaces, Two Coats Paint, Brush/Roller Work	1.83	
		For Oil Based Paint, Add	*0.11*	
		For Up To 100, Add	*1.19*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0116	SF	Paint Interior Stucco Surfaces One Coat Primer, Sprayed	0.55	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 23 00-0117	SF	Paint Interior Stucco Surfaces One Coat Paint, Sprayed	0.68	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0118	SF	Paint Interior Stucco Surfaces, Two Coats Paint, Sprayed	1.30	
		For Oil Based Paint, Add	*0.08*	
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	

09 91 23 00-0119 Wood Surfaces *(09 91 23 00-0001)*

09 91 23 00-0120 Interior Wood Surfaces *(09 91 23 00-0119)*

09 91 23 00-0121	SF	Paint Interior Wood Surface, 1 Coat Paint, Brush	0.89	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0122	SF	Paint Interior Wood Surface, 2 Coats Paint, Brush	1.60	
		For Oil Based Paint, Add	*0.09*	
		For Up To 100, Add	*1.07*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 23 00-0123	SF	Paint Interior Wood Surface, 3 Coats Paint, Brush	2.28	
		For Oil Based Paint, Add	*0.13*	
		For Up To 100, Add	*1.52*	
		For >100 To 250, Add	*0.72*	
		For >250 To 500, Add	*0.31*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000, Deduct	*-0.46*	
09 91 23 00-0124	SF	Paint Interior Wood Surface, 1 Coat Primer, Brush/Roller	0.62	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0125	SF	Paint Interior Wood Surfaces, 1 Coat Paint, Brush/Roller	0.71	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0126	SF	Paint Interior Wood Surfaces, 2 Coats Paint, Brush/Roller	1.24	
		For Oil Based Paint, Add	*0.07*	
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0127	SF	Paint Interior Wood Surface, 1 Coat Primer, Spray	0.39	
		For Oil Based Paint, Add	*0.03*	
		For Up To 100, Add	*0.21*	
		For >100 To 250, Add	*0.10*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.06*	
		For >20,000, Deduct	*-0.08*	
09 91 23 00-0128	SF	Paint Interior Wood Surface, 1 Coat Paint, Spray	0.49	
		For Oil Based Paint, Add	*0.03*	
		For Up To 100, Add	*0.28*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.10*	
09 91 23 00-0129	SF	Paint Interior Wood Surface, 2 Coats Paint, Spray	0.91	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	

09 91 23 00-0130 Ceilings *(09 91 23)*

09 91 23 00-0131 Acoustical *(09 91 23 00-0130)*

Note: Includes grid.

09 91 23 00-0132	SF	Paint Interior Acoustical Ceiling, 1 Coat Primer, Brush Work	0.78	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0133	SF	Paint Interior Acoustical Ceiling, 1 Coat Paint, Brush Work	0.86	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0134	SF	Paint Interior Acoustical Ceiling, 2 Coats Paint, Brush Work	1.51	
		For Oil Based Paint, Add	*0.08*	
		For Up To 100, Add	*1.03*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	
09 91 23 00-0135	SF	Paint Interior Acoustical Ceiling, 1 Coat Primer, Brush/Roller Work	0.67	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0136	SF	Paint Interior Acoustical Ceiling, 1 Coat Paint, Brush/Roller Work	0.66	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0137	SF	Paint Interior Acoustical Ceiling, 2 Coats Paint, Brush/Roller Work	1.22	
		For Oil Based Paint, Add	*0.07*	
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0138	SF	Paint Interior Acoustical Ceiling, 1 Coat Primer, Spray	0.50	
		For Oil Based Paint, Add	*0.03*	
		For Up To 100, Add	*0.30*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	
09 91 23 00-0139	SF	Paint Interior Acoustical Ceiling, 1 Coat Paint, Spray	0.49	
		For Oil Based Paint, Add	*0.03*	
		For Up To 100, Add	*0.30*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.10*	
09 91 23 00-0140	SF	Paint Interior Acoustical Ceiling, 2 Coats Paint, Spray	0.79	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	

09 91 23 00-0141 Concrete *(09 91 23 00-0130)*

09 91 23 00-0142	SF	Paint Interior Concrete Ceiling, 1 Coat Filler, Brush Work	0.78	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.07*	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0143	SF	Paint Interior Concrete Ceiling, 1 Coat Paint, Brush Work	0.85	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.07*	
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0144	SF	Paint Interior Concrete Ceiling, 2 Coats Paint, Brush Work	1.51	
		For Oil Based Paint, Add	*0.08*	
		For Epoxy Paint, Add	*0.13*	
		For Up To 100, Add	*1.03*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	
09 91 23 00-0145	SF	Paint Interior Concrete Ceiling, 1 Coat Filler, Brush/Roller Work	0.59	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0146	SF	Paint Interior Concrete Ceiling, 1 Coat Paint, Brush/Roller Work	0.66	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0147	SF	Paint Interior Concrete Ceiling, 2 Coats Paint, Brush/Roller Work	1.22	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.11*	
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 23 00-0148	SF	Paint Interior Concrete Ceiling, 1 Coat Filler, Spray	0.48	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.28*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.10*	
09 91 23 00-0149	SF	Paint Interior Concrete Ceiling, 1 Coat Paint, Spray	0.49	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.30*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.10*	
09 91 23 00-0150	SF	Paint Interior Concrete Ceiling, 2 Coats Paint, Spray	0.78	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0151	SF	Paint Interior Concrete Ceiling, 1 Coat Bonding Agent, Brush Work	0.80	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0152	SF	Paint Interior Concrete Ceiling, 1 Coat Bonding Agent, Brush/Roller	0.61	
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0153	SF	Paint Interior Concrete Ceiling, 1 Coat Bonding Agent, Spray	0.50	
		For Up To 100, Add	*0.29*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	

09 91 23 00-0154 Drywall/Plaster *(09 91 23 00-0130)*

09 91 23 00-0155	SF	Paint Interior Drywall/Plaster Ceiling, 1 Coat Primer, Brush Work	0.78	
		For Oil Based Paint, Add	*0.04*	
		For Orange Peel Finish, Add	*0.11*	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0156	SF	Paint Interior Drywall/Plaster Ceiling, 1 Coat Paint, Brush Work	0.86	
		For Oil Based Paint, Add	*0.05*	
		For Orange Peel Finish, Add	*0.12*	
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0157	SF	Paint Interior Drywall/Plaster Ceiling, 2 Coats Paint, Brush Work	1.51	
		For Oil Based Paint, Add	*0.08*	
		For Orange Peel Finish, Add	*0.22*	
		For Up To 100, Add	*1.03*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	
09 91 23 00-0158	SF	Paint Interior Drywall/Plaster Ceiling, 1 Coat Primer, Brush/Roller Work	0.67	
		For Oil Based Paint, Add	*0.04*	
		For Orange Peel Finish, Add	*0.09*	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0159	SF	Paint Interior Drywall/Plaster Ceiling, 1 Coat Paint, Brush/Roller Work	0.66	
		For Oil Based Paint, Add	*0.04*	
		For Orange Peel Finish, Add	*0.09*	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0160	SF	Paint Interior Drywall/Plaster Ceiling, 2 Coats Paint, Brush/Roller Work	1.22	
		For Oil Based Paint, Add	*0.07*	
		For Orange Peel Finish, Add	*0.17*	
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 23 00-0161	SF	Paint Interior Drywall/Plaster Ceiling, 1 Coat Primer, Spray	0.50	
		For Oil Based Paint, Add	*0.03*	
		For Up To 100, Add	*0.30*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	
09 91 23 00-0162	SF	Paint Interior Drywall/Plaster Ceiling, 1 Coat Paint, Spray	0.49	
		For Oil Based Paint, Add	*0.03*	
		For Up To 100, Add	*0.30*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.10*	
09 91 23 00-0163	SF	Paint Interior Drywall/Plaster Ceiling, 2 Coats Paint, Spray	0.79	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	

09 91 23 00-0164 Metal *(09 91 23 00-0130)*

09 91 23 00-0165 Galvanized Surfaces, Galvanized Primer *(09 91 23 00-0164)*

Note: Linseed oil or acrylic latex paint.

09 91 23 00-0166	SF	Paint Interior Galvanized Ceiling, One Coat Primer, Brush Work	0.91	
		For Electrostatic Painting, Add	*0.11*	
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0167	SF	Paint Interior Galvanized Ceiling, One Coat Paint, Brush Work	1.01	
		For Electrostatic Painting, Add	*0.12*	
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0168	SF	Paint Interior Galvanized Ceiling, Two Coats Paint, Brush Work	1.83	
		For Electrostatic Painting, Add	*0.23*	
		For Up To 100, Add	*1.19*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.37*	
09 91 23 00-0169	SF	Paint Interior Galvanized Ceiling, One Coat Primer, Brush/Roller Work	0.70	
		For Electrostatic Painting, Add	*0.09*	
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0170	SF	Paint Interior Galvanized Ceiling, One Coat Paint, Brush/Roller Work	0.79	
		For Electrostatic Painting, Add	*0.10*	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0171	SF	Paint Interior Galvanized Ceiling, Two Coats Paint, Brush/Roller Work	1.45	
		For Electrostatic Painting, Add	*0.18*	
		For Up To 100, Add	*0.94*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 23 00-0172	SF	Paint Interior Galvanized Ceiling, One Primer, Sprayed	0.55	
		For Electrostatic Painting, Add	*0.08*	
		For Up To 100, Add	*0.31*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 23 00-0173	SF	Paint Interior Galvanized Ceiling, One Paint, Sprayed	0.65	
		For Electrostatic Painting, Add	*0.09*	
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0174	SF	Paint Interior Galvanized Ceiling, Two Coats Paint, Sprayed	1.01	
		For Electrostatic Painting, Add	*0.15*	
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0175		Aluminum And Aluminum Alloy Surface Pretreatment Primer *(09 91 23 00-0164)*		
		Note: Alkyd enamel paint.		
09 91 23 00-0176	SF	Paint Interior Aluminum And Aluminum Alloy Ceiling, One Coat Primer, Brush Work	0.91	
		For Electrostatic Painting, Add	*0.11*	
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0177	SF	Paint Interior Aluminum And Aluminum Alloy Ceiling, One Coat Paint, Brush Work	1.01	
		For Electrostatic Painting, Add	*0.12*	
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0178	SF	Paint Interior Aluminum And Aluminum Alloy Ceiling, Two Coats Paint, Brush Work	1.83	
		For Electrostatic Painting, Add	*0.23*	
		For Up To 100, Add	*1.19*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.37*	
09 91 23 00-0179	SF	Paint Interior Aluminum And Aluminum Alloy Ceiling, One Coat Primer, Brush/Roller Work	0.75	
		For Electrostatic Painting, Add	*0.10*	
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0180	SF	Paint Interior Aluminum And Aluminum Alloy Ceiling, One Coat Paint, Brush/Roller Work	0.84	
		For Electrostatic Painting, Add	*0.11*	
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0181	SF	Paint Interior Aluminum And Aluminum Alloy Ceiling, Two Coats Paint, Brush/Roller Work	1.58	
		For Electrostatic Painting, Add	*0.21*	
		For Up To 100, Add	*0.98*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 23 00-0182	SF	Paint Interior Aluminum And Aluminum Alloy Ceiling, One Coat, Sprayed	0.55	
		For Electrostatic Painting, Add	*0.08*	
		For Up To 100, Add	*0.31*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 23 00-0183	SF	Paint Interior Aluminum And Aluminum Alloy Ceiling, One Coat Paint, Sprayed	0.65	
		For Electrostatic Painting, Add	*0.09*	
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0184	SF	Paint Interior Aluminum And Aluminum Alloy Ceiling, Two Coats Paint, Sprayed	1.01	
		For Electrostatic Painting, Add	*0.15*	
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	

09 91 23 00-0185 Ceiling Tile Grid *(09 91 23 00-0164)*

Note: Grid only.

09 91 23 00-0186	LF	Paint Interior Ceiling Tile Grid, 1 Coat Paint, Brush/Roller	0.20	
		For Electrostatic Painting, Add	*0.02*	
		For Up To 100, Add	*0.14*	
		For >100 To 250, Add	*0.07*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0187	LF	Paint Interior Ceiling Tile Grid, 2 Coats Paint, Brush/Roller	0.39	
		For Electrostatic Painting, Add	*0.05*	
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.06*	
		For >20,000, Deduct	*-0.08*	

09 91 23 00-0188 Corrugated Metal Surfaces *(09 91 23 00-0164)*

09 91 23 00-0189	SF	Paint Interior Corrugated Metal Ceiling, One Primer, Sprayed	0.74	
		For Electrostatic Painting, Add	*0.11*	
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0190	SF	Paint Interior Corrugated Metal Ceiling, One Paint, Sprayed	0.86	
		For Electrostatic Painting, Add	*0.12*	
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0191	SF	Paint Interior Corrugated Metal Ceiling, Two Coats Paint, Sprayed	1.35	
		For Electrostatic Painting, Add	*0.20*	
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	

09 91 23 00-0192 Wood *(09 91 23 00-0130)*

09 91 23 00-0193 Smooth Wood *(09 91 23 00-0192)*

Note: Includes tongue and groove, beveled, drop or board and batten siding.

09 91 23 00-0194	SF	Paint Interior Wood Smooth Ceiling, One Coat Primer, Brush Work	0.95	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0195	SF	Paint Interior Wood Smooth Ceiling, One Coat Paint, Brush Work	0.99	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0196	SF	Paint Interior Wood Smooth Ceiling, Two Coats Paint, Brush Work	1.79	
		For Oil Based Paint, Add	*0.10*	
		For Up To 100, Add	*1.19*	
		For >100 To 250, Add	*0.56*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.36*	
09 91 23 00-0197	SF	Paint Interior Wood Smooth Ceiling, One Coat Primer, Brush/Roller Work	0.75	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0198	SF	Paint Interior Wood Smooth Ceiling, One Coat Paint, Brush/Roller Work	0.82	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0199	SF	Paint Interior Wood Smooth Ceiling, Two Coats Paint, Brush/Roller Work	1.54	
		For Oil Based Paint, Add	*0.09*	
		For Up To 100, Add	*0.98*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	
09 91 23 00-0200	SF	Paint Interior Wood Smooth Ceiling, One Coat Primer, Sprayed	0.51	
		For Oil Based Paint, Add	*0.03*	
		For Up To 100, Add	*0.30*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	
09 91 23 00-0201	SF	Paint Interior Wood Smooth Ceiling, One Coat Paint, Sprayed	0.62	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0202	SF	Paint Interior Wood Smooth Ceiling, Two Coats Paint, Sprayed	0.93	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	

09 91 23 00-0203 Beams *(09 91 23 00-0130)*

09 91 23 00-0204	SF	Paint Interior Wood Beams, One Coat Primer, Brush Work	1.04	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0205	SF	Paint Interior Wood Beams, One Coat Paint, Brush Work	1.07	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0206	SF	Paint Interior Wood Beams, Two Coats Paint, Brush Work	1.96	
		For Oil Based Paint, Add	*0.11*	
		For Up To 100, Add	*1.31*	
		For >100 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.39*	
09 91 23 00-0207	SF	Paint Interior Wood Beams, One Coat Primer, Brush/Roller Work	0.83	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0208	SF	Paint Interior Wood Beams, One Coat Paint, Brush/Roller Work	0.82	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0209	SF	Paint Interior Wood Beams, Two Coats Paint, Brush/Roller Work	1.54	
		For Oil Based Paint, Add	*0.09*	
		For Up To 100, Add	*0.98*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	
09 91 23 00-0210	SF	Paint Interior Wood Beams, One Coat Primer, Sprayed	0.62	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0211	SF	Paint Interior Wood Beams, One Coat Paint, Sprayed	1.21	
		For Oil Based Paint, Add	*0.07*	
		For Up To 100, Add	*0.83*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 23 00-0212	SF	Paint Interior Wood Beams, Two Coats Paint, Sprayed	1.01	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	

09 91 23 00-0213 Floors *(09 91 23)*

09 91 23 00-0214 Concrete *(09 91 23 00-0213)*

09 91 23 00-0215	SF	Paint Interior Concrete Floors And Decks, One Coat Primer, Brush Work	0.59	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0216	SF	Paint Interior Concrete Floors And Decks, One Coat Paint, Brush Work	0.66	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0217	SF	Paint Interior Concrete Floors And Decks, Two Coats Paint, Brush Work	1.28	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.12*	
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0218	SF	Paint Interior Concrete Floors And Decks, One Coat Primer, Brush/Roller Work	0.58	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0219	SF	Paint Interior Concrete Floors And Decks, One Coat Paint, Brush/Roller Work	0.57	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.11*	
09 91 23 00-0220	SF	Paint Interior Concrete Floors And Decks, Two Coats Paint, Brush/Roller Work	0.92	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0221	SF	Paint Interior Concrete Floors And Decks, One Coat Primer, Sprayed	0.39	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.21*	
		For >100 To 250, Add	*0.10*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.06*	
		For >20,000, Deduct	*-0.08*	
09 91 23 00-0222	SF	Paint Interior Concrete Floors And Decks, One Coat Paint, Sprayed	0.39	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.05*	
		For Up To 100, Add	*0.23*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.06*	
		For >20,000, Deduct	*-0.08*	
09 91 23 00-0223	SF	Paint Interior Concrete Floors And Decks, Two Coats Paint, Sprayed	0.70	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0224	SF	Paint Interior Concrete Floors And Decks, One Coat Bonding Agent, Brush	0.61	
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0225	SF	Paint Interior Concrete Floors And Decks, One Coat Bonding Agent, Brush/Roller Work	0.60	
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0226	SF	Paint Interior Concrete Floors And Decks, One Coat Bonding Agent, Sprayed	0.41	
		For Up To 100, Add	*0.22*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.06*	
		For >20,000, Deduct	*-0.08*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0227	SF	Paint Interior Concrete Floors And Decks, One Coat Non Slip Paint, Brush Work	1.38	
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 23 00-0228	SF	Paint Interior Concrete Floors And Decks, One Coat Non Slip Epoxy Coating, Brush Work (Rust-Oleum® AS91864251)	3.55	
		For Up To 100, Add	*0.88*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.18*	
		For >5,000 To 10,000, Deduct	*-0.36*	
		For >10,000 To 20,000, Deduct	*-0.53*	
		For >20,000, Deduct	*-0.71*	

09 91 23 00-0229 Wood *(09 91 23 00-0213)*

09 91 23 00-0230	SF	Paint Interior Wood Floors And Decks, One Coat Primer, Brush Work	0.73	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0231	SF	Paint Interior Wood Floors And Decks, One Coat Paint, Brush Work	0.80	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0232	SF	Paint Interior Wood Floors And Decks, Two Coats Paint, Brush Work	1.50	
		For Oil Based Paint, Add	*0.09*	
		For Up To 100, Add	*0.97*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	
09 91 23 00-0233	SF	Paint Interior Wood Floors And Decks, One Coat Primer, Brush/Roller Work	0.58	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0234	SF	Paint Interior Wood Floors And Decks, One Coat Paint, Brush/Roller Work	0.63	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0235	SF	Paint Interior Wood Floors And Decks, Two Coats Paint, Brush/Roller Work	1.24	
		For Oil Based Paint, Add	*0.08*	
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0236	SF	Paint Interior Wood Floors And Decks, One Coat Primer, Sprayed	0.41	
		For Oil Based Paint, Add	*0.03*	
		For Up To 100, Add	*0.23*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.06*	
		For >20,000, Deduct	*-0.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0237	SF	Paint Interior Wood Floors And Decks, One Coat Paint, Sprayed	0.51	
		For Oil Based Paint, Add	*0.03*	
		For Up To 100, Add	*0.30*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	
09 91 23 00-0238	SF	Paint Interior Wood Floors And Decks, Two Coats Paint, Sprayed	0.75	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0239	SF	Paint Interior Wood Floors And Decks, One Coat Non Slip Paint, Brush Work	1.38	
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 23 00-0240	SF	Paint Interior Wood Floors And Decks, One Coat Non Slip Epoxy Coating, Brush Work	3.55	
		For Up To 100, Add	*0.88*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.18*	
		For >5,000 To 10,000, Deduct	*-0.36*	
		For >10,000 To 20,000, Deduct	*-0.53*	
		For >20,000, Deduct	*-0.71*	

09 91 23 00-0241 Doors And Windows *(09 91 23)*

09 91 23 00-0242 Frames *(09 91 23 00-0241)*

09 91 23 00-0243	LF	Paint Interior Wood Frame And Trim, 1 Coat Primer, Brush/Roller Work	0.90	
		For Oil Based Paint, Add	*0.05*	
		For Painting One Face Of Frame Only, Deduct	*-0.24*	
09 91 23 00-0244	LF	Paint Interior Wood Frame And Trim, 1 Coat Paint, Brush/Roller Work	1.18	
		For Oil Based Paint, Add	*0.06*	
		For Painting One Face Of Frame Only, Deduct	*-0.31*	
09 91 23 00-0245	LF	Paint Interior Wood Frame And Trim, 2 Coats Paint, Brush/Roller Work	1.98	
		For Oil Based Paint, Add	*0.11*	
		For Painting One Face Of Frame Only, Deduct	*-0.51*	
09 91 23 00-0246	LF	Paint Interior Metal Frame And Trim, 1 Coat Primer, Brush/Roller Work	0.89	
		For Oil Based Paint, Add	*0.05*	
		For Painting One Face Of Frame Only, Deduct	*-0.23*	
09 91 23 00-0247	LF	Paint Interior Metal Frame And Trim, 1 Coat Paint, Brush/Roller Work	1.17	
		For Oil Based Paint, Add	*0.06*	
		For Painting One Face Of Frame Only, Deduct	*-0.30*	
09 91 23 00-0248	LF	Paint Interior Metal Frame And Trim, 2 Coats Paint, Brush/Roller Work	1.97	
		For Oil Based Paint, Add	*0.10*	
		For Painting One Face Of Frame Only, Deduct	*-0.51*	

09 91 23 00-0249 Steel Doors *(09 91 23 00-0241)*

09 91 23 00-0250	EA	Paint Interior Door, One Face, 1 Coat Primer, Brush/Roller Work	37.82	
		For Electrostatic Painting, Add	*5.30*	
		For Half Louvered Door, Add	*4.15*	
		For Full Louvered Door, Add	*6.92*	
		For Oil Based Paint, Add	*2.40*	
		For >5 To 10, Deduct	*-1.89*	
		For >10 To 25, Deduct	*-3.78*	
		For >25, Deduct	*-5.67*	
09 91 23 00-0251	EA	Paint Interior Door, One Face, 1 Coat Paint, Brush/Roller Work	37.82	
		For Electrostatic Painting, Add	*5.30*	
		For Half Louvered Door, Add	*4.15*	
		For Full Louvered Door, Add	*6.92*	
		For Oil Based Paint, Add	*2.40*	
		For >5 To 10, Deduct	*-1.89*	
		For >10 To 25, Deduct	*-3.78*	
		For >25, Deduct	*-5.67*	
09 91 23 00-0252	EA	Paint Interior Door, One Face, 2 Coats Paint, Brush/Roller Work	66.91	
		For Electrostatic Painting, Add	*9.72*	
		For Half Louvered Door, Add	*7.01*	
		For Full Louvered Door, Add	*11.69*	
		For Oil Based Paint, Add	*4.35*	
		For >5 To 10, Deduct	*-3.35*	
		For >10 To 25, Deduct	*-6.69*	
		For >25, Deduct	*-10.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0253	EA	Paint Interior Door, Both Faces, 1 Coat Primer, Brush/Roller Work	67.85	
		For Electrostatic Painting, Add	*9.52*	
		For Half Louvered Door, Add	*7.44*	
		For Full Louvered Door, Add	*12.41*	
		For Oil Based Paint, Add	*4.30*	
		For >5 To 10, Deduct	*-3.39*	
		For >10 To 25, Deduct	*-6.79*	
		For >25, Deduct	*-10.18*	
09 91 23 00-0254	EA	Paint Interior Door, Both Faces, 1 Coat Paint, Brush/Roller Work	67.86	
		For Electrostatic Painting, Add	*9.52*	
		For Half Louvered Door, Add	*7.44*	
		For Full Louvered Door, Add	*12.41*	
		For Oil Based Paint, Add	*4.30*	
		For >5 To 10, Deduct	*-3.39*	
		For >10 To 25, Deduct	*-6.79*	
		For >25, Deduct	*-10.18*	
09 91 23 00-0255	EA	Paint Interior Door, Both Faces, 2 Coats Paint, Brush/Roller Work	120.43	
		For Electrostatic Painting, Add	*17.51*	
		For Half Louvered Door, Add	*12.59*	
		For Full Louvered Door, Add	*20.99*	
		For Oil Based Paint, Add	*7.85*	
		For >5 To 10, Deduct	*-6.02*	
		For >10 To 25, Deduct	*-12.04*	
		For >25, Deduct	*-18.06*	
09 91 23 00-0256	EA	Paint Interior Door, One Face, 1 Coat Primer, Spray	27.76	
		For Electrostatic Painting, Add	*4.45*	
		For Half Louvered Door, Add	*2.49*	
		For Full Louvered Door, Add	*4.15*	
		For Oil Based Paint, Add	*1.95*	
		For >5 To 10, Deduct	*-1.39*	
		For >10 To 25, Deduct	*-2.78*	
		For >25, Deduct	*-4.16*	
09 91 23 00-0257	EA	Paint Interior Door, One Face, 1 Coat Paint, Spray	27.76	
		For Electrostatic Painting, Add	*4.45*	
		For Half Louvered Door, Add	*2.49*	
		For Full Louvered Door, Add	*4.15*	
		For Oil Based Paint, Add	*1.95*	
		For >5 To 10, Deduct	*-1.39*	
		For >10 To 25, Deduct	*-2.78*	
		For >25, Deduct	*-4.16*	
09 91 23 00-0258	EA	Paint Interior Door, One Face, 2 Coats Paint, Spray	50.22	
		For Electrostatic Painting, Add	*8.35*	
		For Half Louvered Door, Add	*4.21*	
		For Full Louvered Door, Add	*7.01*	
		For Oil Based Paint, Add	*3.62*	
		For >5 To 10, Deduct	*-2.51*	
		For >10 To 25, Deduct	*-5.02*	
		For >25, Deduct	*-7.53*	
09 91 23 00-0259	EA	Paint Interior Door, Both Faces, 1 Coat Primer, Spray	49.83	
		For Electrostatic Painting, Add	*7.99*	
		For Half Louvered Door, Add	*4.47*	
		For Full Louvered Door, Add	*7.44*	
		For Oil Based Paint, Add	*3.49*	
		For >5 To 10, Deduct	*-2.49*	
		For >10 To 25, Deduct	*-4.98*	
		For >25, Deduct	*-7.47*	
09 91 23 00-0260	EA	Paint Interior Door, Both Faces, 1 Coat Paint, Spray	49.83	
		For Electrostatic Painting, Add	*7.99*	
		For Half Louvered Door, Add	*4.47*	
		For Full Louvered Door, Add	*7.44*	
		For Oil Based Paint, Add	*3.49*	
		For >5 To 10, Deduct	*-2.49*	
		For >10 To 25, Deduct	*-4.98*	
		For >25, Deduct	*-7.47*	
09 91 23 00-0261	EA	Paint Interior Door, Both Faces, 2 Coats Paint, Spray	90.49	
		For Electrostatic Painting, Add	*15.07*	
		For Half Louvered Door, Add	*7.56*	
		For Full Louvered Door, Add	*12.60*	
		For Oil Based Paint, Add	*6.53*	
		For >5 To 10, Deduct	*-4.52*	
		For >10 To 25, Deduct	*-9.05*	
		For >25, Deduct	*-13.57*	

09 91 23 00-0262 Wood Doors *(09 91 23 00-0241)*

09 91 23 00-0263	EA	Paint Interior Door, One Face, 1 Coat Primer, Brush/Roller Work	37.82	
		For Oil Based Paint, Add	*2.40*	
		For Half Louvered Door, Add	*4.15*	
		For Full Louvered Door, Add	*6.92*	
		For >5 To 10, Deduct	*-1.89*	
		For >10 To 25, Deduct	*-3.78*	
		For >25, Deduct	*-5.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0264	EA	Paint Interior Door, One Face, 1 Coat Paint, Brush/Roller Work	37.82	
		For Oil Based Paint, Add	*2.40*	
		For Half Louvered Door, Add	*4.15*	
		For Full Louvered Door, Add	*6.92*	
		For >5 To 10, Deduct	*-1.89*	
		For >10 To 25, Deduct	*-3.78*	
		For >25, Deduct	*-5.67*	
09 91 23 00-0265	EA	Paint Interior Door, One Face, 2 Coats Paint, Brush/Roller Work	66.91	
		For Oil Based Paint, Add	*4.35*	
		For Half Louvered Door, Add	*7.01*	
		For Full Louvered Door, Add	*11.69*	
		For >5 To 10, Deduct	*-3.35*	
		For >10 To 25, Deduct	*-6.69*	
		For >25, Deduct	*-10.04*	
09 91 23 00-0266	EA	Paint Interior Door, Both Faces, 1 Coat Primer, Brush/Roller Work	67.86	
		For Oil Based Paint, Add	*4.30*	
		For Half Louvered Door, Add	*7.44*	
		For Full Louvered Door, Add	*12.41*	
		For >5 To 10, Deduct	*-3.39*	
		For >10 To 25, Deduct	*-6.79*	
		For >25, Deduct	*-10.18*	
09 91 23 00-0267	EA	Paint Interior Door, Both Faces, 1 Coat Paint, Brush/Roller Work	67.86	
		For Oil Based Paint, Add	*4.30*	
		For Half Louvered Door, Add	*7.44*	
		For Full Louvered Door, Add	*12.41*	
		For >5 To 10, Deduct	*-3.39*	
		For >10 To 25, Deduct	*-6.79*	
		For >25, Deduct	*-10.18*	
09 91 23 00-0268	EA	Paint Interior Door, Both Faces, 2 Coats Paint, Brush/Roller Work	120.43	
		For Oil Based Paint, Add	*7.85*	
		For Half Louvered Door, Add	*12.59*	
		For Full Louvered Door, Add	*20.99*	
		For >5 To 10, Deduct	*-6.02*	
		For >10 To 25, Deduct	*-12.04*	
		For >25, Deduct	*-18.06*	
09 91 23 00-0269	EA	Paint Interior Door, One Face, 1 Coat Primer, Spray	27.76	
		For Oil Based Paint, Add	*1.95*	
		For Half Louvered Door, Add	*2.49*	
		For Full Louvered Door, Add	*4.15*	
		For >5 To 10, Deduct	*-1.39*	
		For >10 To 25, Deduct	*-2.78*	
		For >25, Deduct	*-4.16*	
09 91 23 00-0270	EA	Paint Interior Door, One Face, 1 Coat Paint, Spray	27.76	
		For Oil Based Paint, Add	*1.95*	
		For Half Louvered Door, Add	*2.49*	
		For Full Louvered Door, Add	*4.15*	
		For >5 To 10, Deduct	*-1.39*	
		For >10 To 25, Deduct	*-2.78*	
		For >25, Deduct	*-4.16*	
09 91 23 00-0271	EA	Paint Interior Door, One Face, 2 Coats Paint, Spray	50.24	
		For Oil Based Paint, Add	*3.62*	
		For Half Louvered Door, Add	*4.21*	
		For Full Louvered Door, Add	*7.02*	
		For >5 To 10, Deduct	*-2.51*	
		For >10 To 25, Deduct	*-5.02*	
		For >25, Deduct	*-7.54*	
09 91 23 00-0272	EA	Paint Interior Door, Both Faces, 1 Coat Primer, Spray	49.83	
		For Oil Based Paint, Add	*3.49*	
		For Half Louvered Door, Add	*4.47*	
		For Full Louvered Door, Add	*7.44*	
		For >5 To 10, Deduct	*-2.49*	
		For >10 To 25, Deduct	*-4.98*	
		For >25, Deduct	*-7.47*	
09 91 23 00-0273	EA	Paint Interior Door, Both Faces, 1 Coat Paint, Spray	49.83	
		For Oil Based Paint, Add	*3.49*	
		For Half Louvered Door, Add	*4.47*	
		For Full Louvered Door, Add	*7.44*	
		For >5 To 10, Deduct	*-2.49*	
		For >10 To 25, Deduct	*-4.98*	
		For >25, Deduct	*-7.47*	
09 91 23 00-0274	EA	Paint Interior Door, Both Faces, 2 Coats Paint, Spray	90.49	
		For Oil Based Paint, Add	*6.53*	
		For Half Louvered Door, Add	*7.56*	
		For Full Louvered Door, Add	*12.60*	
		For >5 To 10, Deduct	*-4.52*	
		For >10 To 25, Deduct	*-9.05*	
		For >25, Deduct	*-13.57*	

09 91 23 00-0275 Steel Windows *(09 91 23 00-0241)*

Note: Two finish coats paint over rust inhibitive primer.

09 91 23 00-0276	EA	Paint Interior Windows Including Trim, Window Size Up To 8 SF	68.79	
		For Oil Based Paint, Add	*3.78*	
		For Electrostatic Painting, Add	*7.89*	
		For >5 To 10, Deduct	*-3.44*	
		For >10 To 25, Deduct	*-6.88*	
		For >25, Deduct	*-10.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0277	EA	Paint Interior Windows Including Trim, Window Size 9 SF To 14 SF	82.00	
		For Oil Based Paint, Add	*4.62*	
		For Electrostatic Painting, Add	*9.76*	
		For >5 To 10, Deduct	*-4.10*	
		For >10 To 25, Deduct	*-8.20*	
		For >25, Deduct	*-12.30*	
09 91 23 00-0278	EA	Paint Interior Windows Including Trim, Window Size 15 SF To 20 SF	110.24	
		For Oil Based Paint, Add	*6.25*	
		For Electrostatic Painting, Add	*13.24*	
		For >5 To 10, Deduct	*-5.51*	
		For >10 To 25, Deduct	*-11.02*	
		For >25, Deduct	*-16.54*	
09 91 23 00-0279	EA	Paint Interior Windows Including Trim, Window Size 21 SF To 26 SF	124.11	
		For Oil Based Paint, Add	*7.04*	
		For Electrostatic Painting, Add	*14.92*	
		For >5 To 10, Deduct	*-6.21*	
		For >10 To 25, Deduct	*-12.41*	
		For >25, Deduct	*-18.62*	
09 91 23 00-0280	EA	Paint Interior Windows Including Trim, Window Size 27 SF To 34 SF	137.70	
		For Oil Based Paint, Add	*7.80*	
		For Electrostatic Painting, Add	*16.53*	
		For >5 To 10, Deduct	*-6.89*	
		For >10 To 25, Deduct	*-13.77*	
		For >25, Deduct	*-20.66*	
09 91 23 00-0281	SF	Paint Interior Windows Including Trim, Window Size Over 34 SF	4.38	
		For Oil Based Paint, Add	*0.25*	
		For Electrostatic Painting, Add	*0.53*	

09 91 23 00-0282 Wood Windows *(09 91 23 00-0241)*

Note: Two finish coats paint over primer.

09 91 23 00-0283	EA	Paint Interior Windows Including Trim, Window Size Up To 8 SF	68.79	
		For Oil Based Paint, Add	*3.78*	
		For >5 To 10, Deduct	*-3.44*	
		For >10 To 25, Deduct	*-6.88*	
		For >25, Deduct	*-10.32*	
09 91 23 00-0284	EA	Paint Interior Windows Including Trim, Window Size 9 SF To 14 SF	82.00	
		For Oil Based Paint, Add	*4.62*	
		For >5 To 10, Deduct	*-4.10*	
		For >10 To 25, Deduct	*-8.20*	
		For >25, Deduct	*-12.30*	
09 91 23 00-0285	EA	Paint Interior Windows Including Trim, Window Size 15 SF To 20 SF	110.24	
		For Oil Based Paint, Add	*6.25*	
		For >5 To 10, Deduct	*-5.51*	
		For >10 To 25, Deduct	*-11.02*	
		For >25, Deduct	*-16.54*	
09 91 23 00-0286	EA	Paint Interior Windows Including Trim, Window Size 21 SF To 26 SF	124.11	
		For Oil Based Paint, Add	*7.04*	
		For >5 To 10, Deduct	*-6.21*	
		For >10 To 25, Deduct	*-12.41*	
		For >25, Deduct	*-18.62*	
09 91 23 00-0287	EA	Paint Interior Windows Including Trim, Window Size 27 SF To 34 SF	137.70	
		For Oil Based Paint, Add	*7.80*	
		For >5 To 10, Deduct	*-6.89*	
		For >10 To 25, Deduct	*-13.77*	
		For >25, Deduct	*-20.66*	
09 91 23 00-0288	SF	Paint Interior Windows Including Trim, Window Size Over 34 SF	4.61	
		For Oil Based Paint, Add	*0.26*	

09 91 23 00-0289 Security Screens *(09 91 23 00-0241)*

09 91 23 00-0290	SF	Paint Interior Security Screen, 1 Coat Primer, Brush/Roller Work	1.18	
		For Oil Based Paint, Add	*0.07*	
		For Electrostatic Painting, Add	*0.14*	
09 91 23 00-0291	SF	Paint Interior Security Screen, 1 Coat Paint, Brush/Roller Work	1.26	
		For Oil Based Paint, Add	*0.07*	
		For Electrostatic Painting, Add	*0.14*	
09 91 23 00-0292	SF	Paint Interior Security Screen, 2 Coats Paint, Brush/Roller Work	2.06	
		For Oil Based Paint, Add	*0.11*	
		For Electrostatic Painting, Add	*0.23*	

09 91 23 00-0293 Window Guards *(09 91 23 00-0241)*

09 91 23 00-0294	SF	Paint Interior Window Guards, 1 Coat Primer, Brush/Roller Work	1.18	
		For Oil Based Paint, Add	*0.07*	
09 91 23 00-0295	SF	Paint Interior Window Guards, 1 Coat Paint, Brush/Roller Work	1.26	
		For Oil Based Paint, Add	*0.07*	
09 91 23 00-0296	SF	Paint Interior Window Guards, 2 Coats Paint, Brush/Roller Work	2.06	
		For Oil Based Paint, Add	*0.11*	

09 91 23 00-0297 Window Trim *(09 91 23 00-0241)*

09 91 23 00-0298	LF	Paint Interior Window Frame, 1 Coat Primer, Brush/Roller Work	1.19	
		For Oil Based Paint, Add	*0.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0299	LF	Paint Interior Window Frame, 1 Coat Paint, Brush/Roller Work	1.19	
		For Oil Based Paint, Add	*0.07*	
09 91 23 00-0300	LF	Paint Interior Window Frame, 2 Coats Paint, Brush/Roller Work	1.39	
		For Oil Based Paint, Add	*0.09*	
09 91 23 00-0301	LF	Paint Interior Metal Window Frame, 1 Coat Primer Note: Brush/roller work.	1.22	
09 91 23 00-0302	LF	Paint Interior Metal Window Frame, 1 Coat Paint Note: Brush/roller work.	1.22	
09 91 23 00-0303	LF	Paint Interior Metal Window Frame, 2 Coats Paint Note: Brush/roller work.	1.45	
09 91 23 00-0304		Cabinets And Casework *(09 91 23)*		
09 91 23 00-0305		Wood *(09 91 23 00-0304)*		
09 91 23 00-0306	SF	Paint Interior Cabinets And Casework, One Coat Paint	1.01	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0307	SF	Paint Interior Cabinets And Casework, One Coat Prime, One Coat Paint, Enamel Primer, Alkyd Or Latex Paint	1.39	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0308	SF	Paint Interior Cabinets And Casework, One Coat Prime, Two Coats Paint, Enamel Primer, Alkyd Or Latex Paint	2.19	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.33*	
09 91 23 00-0309		Lockers *(09 91 23 00-0304)*		
09 91 23 00-0310	SF	Paint Exposed Metal Locker One Coat Primer	1.09	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0311	SF	Paint Exposed Metal Locker One Coat Alkyd Enamel	1.15	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0312	SF	Paint Exposed Metal Locker Two Coats Alkyd Enamel	2.10	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.32*	
09 91 23 00-0313		Stairs *(09 91 23)*		
09 91 23 00-0314		Concrete *(09 91 23 00-0313)* Note: Includes the riser and tread.		
09 91 23 00-0315	RSR	Paint Interior Concrete Stair (To 4' Wide) One Coat Primer	16.31	
09 91 23 00-0316	RSR	Paint Interior Concrete Stair (To 4' Wide) One Coat Alkyd Enamel	16.31	
09 91 23 00-0317	RSR	Paint Interior Concrete Stair (To 4' Wide) One Coat Non Slip Paint Note: Excludes riser.	11.33	
09 91 23 00-0318	RSR	Paint Interior Concrete Stair (To 4' Wide) One Coat Non Slip Epoxy Coating Note: Excludes riser.	20.02	
09 91 23 00-0319	RSR	Paint Interior Concrete Stair (To 4' Wide) Two Coats Alkyd Enamel	32.60	
09 91 23 00-0320		Metal *(09 91 23 00-0313)* Note: Includes the riser and tread.		
09 91 23 00-0321	RSR	Paint Interior Metal Stair (To 4' Wide) One Coat Primer	8.68	
09 91 23 00-0322	RSR	Paint Interior Metal Stair (To 4' Wide) One Coat Alkyd Enamel	8.34	
09 91 23 00-0323	RSR	Paint Interior Metal Stair (To 4' Wide) Two Coats Alkyd Enamel	16.68	
09 91 23 00-0324		Wood *(09 91 23 00-0313)* Note: Includes the riser and tread.		
09 91 23 00-0325	RSR	Paint Interior Wood Stair (To 4' Wide) One Coat Primer	8.34	
09 91 23 00-0326	RSR	Paint Interior Wood Stair (To 4' Wide) One Coat Alkyd Enamel	8.33	
09 91 23 00-0327	RSR	Paint Interior Wood Stair (To 4' Wide) One Coat Non Slip Paint Note: Excludes riser.	7.34	
09 91 23 00-0328	RSR	Paint Interior Wood Stair (To 4' Wide) One Coat Non Slip Epoxy Coating Note: Excludes riser.	16.03	
09 91 23 00-0329	RSR	Paint Interior Wood Stair (To 4' Wide) Two Coats Alkyd Enamel	16.67	
09 91 23 00-0330		Stair Nosing *(09 91 23 00-0313)*		
09 91 23 00-0331	LF	Paint Yellow Stair Safety Strip, Up To 2", Non Slip	1.23	
09 91 23 00-0332		Trim *(09 91 23)*		
09 91 23 00-0333		Metal *(09 91 23 00-0332)*		
09 91 23 00-0334	SF	Paint Interior Exposed Metal Trim, 1 Coat Primer, Brush Work	1.13	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0335	SF	Paint Interior Exposed Metal Trim, 1 Coat Paint, Brush Work	1.13	
09 91 23 00-0336	SF	Paint Interior Exposed Metal Trim, 2 Coats Paint, Brush Work	2.03	
09 91 23 00-0337	SF	Paint Interior Exposed Metal Trim, 1 Coat Primer, Brush/Roller Work	1.13	
09 91 23 00-0338	SF	Paint Interior Exposed Metal Trim, 1 Coat Paint, Brush/Roller Work	1.13	
09 91 23 00-0339	SF	Paint Interior Exposed Metal Trim, 2 Coats Paint, Brush/Roller Work	2.03	

09 91 23 00-0340 Wood *(09 91 23 00-0332)*

09 91 23 00-0341	LF	Paint Interior Wood Trim To 6" Wide, 1 Coat Primer	0.62	
		For Oil Based Paint, Add	*0.03*	
09 91 23 00-0342	LF	Paint Interior Wood Trim To 6" Wide, 1 Coat Paint	0.69	
		For Oil Based Paint, Add	*0.04*	
09 91 23 00-0343	LF	Paint Interior Wood Trim To 6" Wide, 2 Coats Paint	1.44	
		For Oil Based Paint, Add	*0.08*	
09 91 23 00-0344	SF	Paint Interior Wood Trim, 1 Coat Primer, Brush Work	1.89	
		For Oil Based Paint, Add	*0.10*	
09 91 23 00-0345	SF	Paint Interior Wood Trim, 1 Coat Paint, Brush Work	2.10	
		For Oil Based Paint, Add	*0.12*	
09 91 23 00-0346	SF	Paint Interior Wood Trim, 2 Coats Paint, Brush Work	4.49	
		For Oil Based Paint, Add	*0.25*	
09 91 23 00-0347	SF	Paint Interior Wood Trim, 1 Coat Primer, Brush/Roller Work	1.89	
		For Oil Based Paint, Add	*0.10*	
09 91 23 00-0348	SF	Paint Interior Wood Trim, 1 Coat Paint, Brush/Roller Work	2.10	
		For Oil Based Paint, Add	*0.12*	
09 91 23 00-0349	SF	Paint Interior Wood Trim, 2 Coats Paint, Brush/Roller Work	4.49	
		For Oil Based Paint, Add	*0.25*	

09 91 23 00-0350 Paint Additives *(09 91 23)*

09 91 23 00-0351	SF	Mildewcide/Mold Killing Paint Additive Per Each Coat	0.02	
09 91 23 00-0352	SF	Class "B" Fire Rating, Fire Resistant Paint Additive	0.04	
		For Class "A" Fire Rating, Add	*0.04*	

09 91 23 00-0353 Hand Painting Letters/Numbers *(09 91 23)*

Note: Painting on walls, floors, poles, signs, etc.

09 91 23 00-0354	EA	Up To 1" High, Hand Paint, Per Letter/Number	1.92	
09 91 23 00-0355	EA	1" To 2" High, Hand Paint, Per Letter/Number	2.24	
09 91 23 00-0356	EA	2" To 3" High, Hand Paint, Per Letter/Number	3.40	
09 91 23 00-0357	EA	3" To 4" High, Hand Paint, Per Letter/Number	4.17	
09 91 23 00-0358	EA	4" To 6" High, Hand Paint, Per Letter/Number	5.75	
09 91 23 00-0359	EA	6" To 12" High, Hand Paint, Per Letter/Number	7.28	
09 91 23 00-0360	EA	Over 12" High, Hand Paint, Per Letter/Number	8.54	

09 91 23 00-0361 Glove/Mitt Application *(09 91 23)*

09 91 23 00-0362 Conduit/Pipe *(09 91 23 00-0361)*

09 91 23 00-0363	CSF	Acid Wash (Muriatic Acid) With Glove/Mitt, Conduit Or Pipe	36.39	
09 91 23 00-0364	CSF	Metal Primer With Glove/Mitt, Conduit Or Pipe	57.55	
09 91 23 00-0365	CSF	Enamel, Oil Base Paint, First Coat With Glove/Mitt, Conduit Or Pipe	44.93	
09 91 23 00-0366	CSF	Enamel, Oil Base Paint, Second Coat With Glove/Mitt, Conduit Or Pipe	36.45	
09 91 23 00-0367	CSF	Epoxy Coating, First Coat With Glove/Mitt, Conduit Or Pipe	67.57	
09 91 23 00-0368	CSF	Epoxy Coating, Second Coat With Glove/Mitt, Conduit Or Pipe	62.05	

09 91 23 00-0369 Ductwork *(09 91 23 00-0361)*

09 91 23 00-0370	CSF	Acid Wash (Muriatic Acid) With Glove/Mitt, Duct	36.39	
09 91 23 00-0371	CSF	Metal Primer With Glove/Mitt, Duct	47.55	
09 91 23 00-0372	CSF	Enamel, Oil Base Paint With Glove/Mitt, Duct	40.84	
09 91 23 00-0373	CSF	Epoxy Coating, First Coat With Glove/Mitt, Duct	65.18	
09 91 23 00-0374	CSF	Epoxy Coating, Second Coat With Glove/Mitt, Duct	56.38	

09 91 23 00-0375 Stencil Painting Letters/Numbers *(09 91 23)*

Note: Painting on walls, floors, poles, etc. Includes stencil cutout and paint.

09 91 23 00-0376	EA	Up To 1" High, Stencil Painting, Per Letter/Number	1.56	
		For >200 To 500, Deduct	*-0.12*	
		For >500 To 1,000, Deduct	*-0.20*	
		For >1,000 To 2,000, Deduct	*-0.25*	
		For >2,000, Deduct	*-0.31*	
09 91 23 00-0377	EA	1" To 2" High, Stencil Painting, Per Letter/Number	1.81	
		For >200 To 500, Deduct	*-0.14*	
		For >500 To 1,000, Deduct	*-0.23*	
		For >1,000 To 2,000, Deduct	*-0.29*	
		For >2,000, Deduct	*-0.36*	
09 91 23 00-0378	EA	2" To 3" High, Stencil Painting, Per Letter/Number	3.07	
		For >200 To 500, Deduct	*-0.25*	
		For >500 To 1,000, Deduct	*-0.38*	
		For >1,000 To 2,000, Deduct	*-0.49*	
		For >2,000, Deduct	*-0.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0379	EA	3" To 4" High, Stencil Painting, Per Letter/Number	3.76	
		For >200 To 500, Deduct	*-0.30*	
		For >500 To 1,000, Deduct	*-0.47*	
		For >1,000 To 2,000, Deduct	*-0.60*	
		For >2,000, Deduct	*-0.75*	
09 91 23 00-0380	EA	4" To 6" High, Stencil Painting, Per Letter/Number	5.18	
		For >200 To 500, Deduct	*-0.41*	
		For >500 To 1,000, Deduct	*-0.65*	
		For >1,000 To 2,000, Deduct	*-0.83*	
		For >2,000, Deduct	*-1.04*	
09 91 23 00-0381	EA	6" To 12" High, Stencil Painting, Per Letter/Number	6.89	
		For >200 To 500, Deduct	*-0.55*	
		For >500 To 1,000, Deduct	*-0.86*	
		For >1,000 To 2,000, Deduct	*-1.10*	
		For >2,000, Deduct	*-1.38*	
09 91 23 00-0382	EA	Over 12" High, Stencil Painting, Per Letter/Number	8.13	
		For >200 To 500, Deduct	*-0.65*	
		For >500 To 1,000, Deduct	*-1.02*	
		For >1,000 To 2,000, Deduct	*-1.30*	
		For >2,000, Deduct	*-1.63*	

09 91 33 Painting Materials *(09 91)*

Note: Paint per gallon for owners to obtain extra paint. Not to be used in conjunction with other painting tasks.

09 91 33 00-0001 Primer *(09 91 33)*

09 91 33 00-0002	GAL	Alkyd Primer/Sealer, Interior, 500 SF Per Gallon	25.10
09 91 33 00-0003	GAL	Alkyd Wood Primer, Exterior, 400 SF Per Gallon	24.61
09 91 33 00-0004	GAL	Prime Coat Oil Wood Primer, 310 SF Per Gallon	31.21
09 91 33 00-0005	GAL	Catalyzed Epoxy Primer, Two Component Type, 425 SF Per Gallon	57.43
09 91 33 00-0006	EA	Cement Base Primer, 25 LB Sack	25.74
09 91 33 00-0007	GAL	Alkali Resistant Concrete And Masonry Primer, Exterior, 225 SF Per Gallon	39.68
09 91 33 00-0008	GAL	Alkali Resistant Concrete And Masonry Primer, Interior, 225 SF Per Gallon	31.85
09 91 33 00-0009	GAL	Acrylic Latex Primer, Flat Exterior, Fast Drying Wood Undercoat And Back Primer, 400 SF per Gallon	24.61
09 91 33 00-0010	GAL	Acrylic (Vinyl Acrylic) Block Filler, 50 SF Per Gallon	22.36
09 91 33 00-0011	GAL	Acrylic (Vinyl Acrylic) Rust Inhibiting Metal, Primer - 500 SF Per Gallon: Paint - 260 SF Per Gallon	39.42
09 91 33 00-0012	GAL	Acrylic Heavy Duty Wall Primer/Sealer, Low Odor Type, Alkali-Resistant, 800 SF Per Gallon	32.82
09 91 33 00-0013	GAL	Acrylic (Vinyl Acrylic) Undercoat, All Purpose, Interior/Exterior, 500 SF Per Gallon	32.82
09 91 33 00-0014	GAL	Latex Wood Primer, Exterior, 300 SF Per Gallon	37.00
09 91 33 00-0015	GAL	Linseed (Oil Base) Primer, Exterior/Interior, 300 SF Per Gallon	24.13
09 91 33 00-0016	GAL	Red Alkyd Primer, 500 SF Per Gallon	42.95
09 91 33 00-0017	GAL	Wood Sealer/Primer, Interior, Clear, 600 SF Per Gallon	25.74
09 91 33 00-0018	GAL	Zinc Chromate Primer, 300 SF Per Gallon	20.59
09 91 33 00-0019	GAL	Zinc Dust/Zinc Oxide Primer, 300 SF Per Gallon	53.25
09 91 33 00-0020	GAL	Stain Killer, Alcohol Base	33.21
09 91 33 00-0021	GAL	Sealer, Primer Kilz, 400 SF Per Gallon	37.47

09 91 33 00-0022 Paint *(09 91 33)*

09 91 33 00-0023	GAL	Aluminum Fiber Roof Coat On Composition Roof, 50 SF Per Gallon	18.02
09 91 33 00-0024	GAL	Acrylic Urethane Sealer	89.34
09 91 33 00-0025	GAL	Asphalt-Fiber Roof And Foundation Coating, Solvent Type Note: 75 SF per gallon on roof or concrete, 100 SF per gallon on metal.	9.65
09 91 33 00-0026	GAL	Concrete Enamel Epoxy, 350 SF Per Gallon	55.82
09 91 33 00-0027	GAL	Concrete Acrylic Sealer, 400 SF Per Gallon	29.28
09 91 33 00-0028	GAL	Driveway Coating, Tar Emulsion, 120 SF Per Gallon	9.65
09 91 33 00-0029	GAL	Driveway Coating, Acrylic Latex, 250 SF Per Gallon	14.64
09 91 33 00-0030	GAL	Exterior, Oil Base, Gloss Enamel, 400 SF Per Gallon	29.60
09 91 33 00-0031	GAL	Exterior, Oil Base, Gloss, 400 SF Per Gallon	39.42
09 91 33 00-0032	GAL	Exterior, Oil Base, Semi-Gloss, 400 SF Per Gallon	32.18
09 91 33 00-0033	GAL	Exterior, Oil Base, Flat	29.49
09 91 33 00-0034	GAL	Exterior, Latex, Semi-Gloss, 400 SF Per Gallon	27.99
09 91 33 00-0035	GAL	Exterior, Flat Latex, Trim Paint, 500 SF Per Gallon	32.98
09 91 33 00-0036	GAL	Exterior, Latex Flat Paint, 300 SF Per Gallon	29.28
09 91 33 00-0037	GAL	Exterior, Latex Gloss Enamel, Water Base	41.68
09 91 33 00-0038	GAL	Cold Galvanizing Paint	175.91
09 91 33 00-0039	GAL	High Heat Paint	60.81
09 91 33 00-0040	GAL	Heat Resistant Paint	40.54
09 91 33 00-0041	GAL	Zinc Chromate Paint	36.68
09 91 33 00-0042	QT	Anti-Rust Enamel, 500 SF Per Quart	14.48
09 91 33 00-0043	GAL	Rust Inhibitor, Ferrous Metal	40.54
09 91 33 00-0044	GAL	Masonry Waterproofing, 100 SF Per Gallon	29.28
09 91 33 00-0045	GAL	Alkyd Latex, Black	27.35
09 91 33 00-0046	GAL	Alkyd Latex, White	27.35
09 91 33 00-0047	GAL	Alkyd Latex, Colors	32.98
09 91 33 00-0048	QT	Wrought Iron Paint, Black	37.00
09 91 33 00-0049	GAL	Vinyl Paint	49.23
09 91 33 00-0050	GAL	Silicone Alkyd	59.85
09 91 33 00-0051	GAL	2 Component Solvent Based Acrylic Epoxy	60.81
09 91 33 00-0052	GAL	2 Component Solvent Based Polyester Epoxy	76.26
09 91 33 00-0053	GAL	Chlorinated Rubber	55.99
09 91 33 00-0054	GAL	Polyamide Epoxy Sealer	57.92
09 91 33 00-0055	GAL	Coal Tar Epoxy	41.51

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 33 00-0056	GAL	Swimming Pool Enamel, 350 SF Per Gallon	51.80	
09 91 33 00-0057	GAL	Swimming Pool Epoxy Or Urethane Base	67.57	
09 91 33 00-0058	GAL	Swimming Pool Rubber Base	46.33	
09 91 33 00-0059	GAL	Interior, Latex Flat Paint, 300 SF Per Gallon	29.44	
09 91 33 00-0060	GAL	Interior, Latex Eggshell Or Semi-Gloss Enamel, 300 SF Per Gallon	32.98	
09 91 33 00-0061	GAL	Interior, Fire-Retardant Flat Paint, 200 SF Per Gallon	60.33	
09 91 33 00-0062	GAL	Interior, Ceiling White Latex Flat, 350 SF Per Gallon	20.43	
09 91 33 00-0063	GAL	Linseed Oil	17.86	
09 91 33 00-0064	GAL	Latex Floor Paint, 300 SF Per Gallon	29.28	
09 91 33 00-0065	GAL	Acrylic Floor Paint, 400 SF Per Gallon	32.98	
09 91 33 00-0066	GAL	Texture Paint, Sand Texture Latex, Armor Coat, 100 SF Per Gallon	30.16	
09 91 33 00-0067	GAL	Acoustic Spray-On Texture, Finish	24.24	

09 91 33 00-0068 Stain, Varnish *(09 91 33)*

09 91 33 00-0069	GAL	Thompson Water Sealer, 150 SF Per Gallon	16.73	
09 91 33 00-0070	GAL	Latex Redwood Stain, Water Base, 300 SF Per Gallon	31.21	
09 91 33 00-0071	GAL	Redwood Oil Stain, 300 SF Per Gallon	27.83	
09 91 33 00-0072	GAL	Varnish, Clear	19.44	
09 91 33 00-0073	GAL	Penetrating Water-Repellent Stain	14.12	
09 91 33 00-0074	GAL	Redwood Hue Or Clear Stain	12.62	
09 91 33 00-0075	GAL	Polyurethane	22.15	
09 91 33 00-0076	GAL	Lacquer, Semi-Gloss	29.37	
09 91 33 00-0077	GAL	Shellac, Clear	38.52	
09 91 33 00-0078	GAL	Acetone	12.71	
09 91 33 00-0079	GAL	Paint Thinner	3.14	
09 91 33 00-0080	GAL	Shellac Or Lacquer Thinner	12.87	
09 91 33 00-0081	GAL	Turpentine	17.70	
09 91 33 00-0082	GAL	Wood Filler Paste	30.24	
09 91 33 00-0083	GAL	Wood Preservative, Pentachlorophenol, General Purpose, 40%, 150 SF Per Gallon	24.13	

09 91 43 Surface Preparation *(09 91)*

Note: Steel Structure Painting Council, SSPC; Surface Preparation, SP.

09 91 43 00-0001 Cleaning And Preparation Of Painted And Unpainted Surfaces *(09 91 43)*

Note: In excess of surface preparation required. Water blast and pressure washing includes mild detergent and rinsing of surface until detergent free. Sand blast and water blast includes canvas/plastic for protection of existing surfaces as well as for containment.

09 91 43 00-0002 Concrete And Masonry Surfaces *(09 91 43 00-0001)*

09 91 43 00-0003	SF	Calcimine Removal/Washing Concrete Or Masonry	0.36
		For Up To 100, Add	*0.23*
		For >100 To 250, Add	*0.11*
		For >250 To 500, Add	*0.05*
		For >5,000 To 10,000, Deduct	*-0.02*
		For >10,000 To 15,000, Deduct	*-0.03*
		For >15,000 To 30,000, Deduct	*-0.05*
		For >30,000, Deduct	*-0.07*
09 91 43 00-0004	SF	Chemical Clean, Brush And Wash Concrete Or Masonry	0.58
		For Up To 100, Add	*0.37*
		For >100 To 250, Add	*0.17*
		For >250 To 500, Add	*0.07*
		For >5,000 To 10,000, Deduct	*-0.03*
		For >10,000 To 15,000, Deduct	*-0.05*
		For >15,000 To 30,000, Deduct	*-0.08*
		For >30,000, Deduct	*-0.11*
09 91 43 00-0005	SF	Hand Scrape Concrete Or Masonry	0.59
		For Up To 100, Add	*0.44*
		For >100 To 250, Add	*0.21*
		For >250 To 500, Add	*0.09*
		For >5,000 To 10,000, Deduct	*-0.03*
		For >10,000 To 15,000, Deduct	*-0.06*
		For >15,000 To 30,000, Deduct	*-0.09*
		For >30,000, Deduct	*-0.12*
09 91 43 00-0006	SF	Steam Clean Concrete Or Masonry	0.60
		For Up To 100, Add	*0.39*
		For >100 To 250, Add	*0.18*
		For >250 To 500, Add	*0.08*
		For >5,000 To 10,000, Deduct	*-0.03*
		For >10,000 To 15,000, Deduct	*-0.06*
		For >15,000 To 30,000, Deduct	*-0.09*
		For >30,000, Deduct	*-0.12*
09 91 43 00-0007	SF	Up To 5,000 PSI, Pressure Wash Concrete Or Masonry	0.38
		For Up To 100, Add	*0.23*
		For >100 To 250, Add	*0.11*
		For >250 To 500, Add	*0.05*
		For >5,000 To 10,000, Deduct	*-0.02*
		For >10,000 To 15,000, Deduct	*-0.04*
		For >15,000 To 30,000, Deduct	*-0.05*
		For >30,000, Deduct	*-0.07*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 43 00-0008	SF	10,000 To 12,000 PSI, Water Blast Concrete Or Masonry	1.10	
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 15,000, Deduct	*-0.11*	
		For >15,000 To 30,000, Deduct	*-0.16*	
		For >30,000, Deduct	*-0.22*	
09 91 43 00-0009	SF	30,000 To 40,000 PSI, Water Blast Concrete Or Masonry	1.84	
		For Up To 100, Add	*1.31*	
		For >100 To 250, Add	*0.61*	
		For >250 To 500, Add	*0.26*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 15,000, Deduct	*-0.18*	
		For >15,000 To 30,000, Deduct	*-0.27*	
		For >30,000, Deduct	*-0.36*	
09 91 43 00-0010	SF	Sand Blasting Concrete Or Masonry	1.96	
		For Heavy Condition Where Multiple Pass Is Required, Add	*0.98*	
		For Up To 100, Add	*1.34*	
		For >100 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.27*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 15,000, Deduct	*-0.19*	
		For >15,000 To 30,000, Deduct	*-0.29*	
		For >30,000, Deduct	*-0.38*	

09 91 43 00-0011 Drywall *(09 91 43 00-0001)*

Note: Patch holes other than nail/screw holes and greater than 1/2" diameter.

09 91 43 00-0012	SF	Hand Wash Drywall Surfaces With Mild Detergent Or Degreaser (No Sanding, Repairing Or Scraping)	0.28	
		For Up To 100, Add	*0.21*	
		For >100 To 250, Add	*0.10*	
		For >250 To 500, Add	*0.04*	
		For >5,000 To 10,000, Deduct	*-0.01*	
		For >10,000 To 15,000, Deduct	*-0.03*	
		For >15,000 To 30,000, Deduct	*-0.04*	
		For >30,000, Deduct	*-0.06*	
09 91 43 00-0013	SF	Hand Wash, Minor Repair And Light Sanding Drywall Surfaces	0.49	
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 30,000, Deduct	*-0.07*	
		For >30,000, Deduct	*-0.10*	
09 91 43 00-0014	SF	Scrape, Repair And Sand Severely Damaged Drywall Surfaces	0.91	
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 15,000, Deduct	*-0.09*	
		For >15,000 To 30,000, Deduct	*-0.14*	
		For >30,000, Deduct	*-0.18*	

09 91 43 00-0015 Metal Surfaces *(09 91 43 00-0001)*

09 91 43 00-0016	SF	Chemical Clean, Brush And Wash Metal Surface	0.58	
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 30,000, Deduct	*-0.08*	
		For >30,000, Deduct	*-0.11*	
09 91 43 00-0017	SF	Hand Scraping And Sanding, Metal Surface	0.59	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.09*	
		For >30,000, Deduct	*-0.12*	
09 91 43 00-0018	SF	Up To 5,000 PSI, Pressure Wash Metal Surface	0.36	
		For Up To 100, Add	*0.23*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.03*	
		For >15,000 To 30,000, Deduct	*-0.05*	
		For >30,000, Deduct	*-0.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 43 00-0019	SF	Power Tool Cleaning, Metal Surface	1.03	
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.15*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 15,000, Deduct	*-0.10*	
		For >15,000 To 30,000, Deduct	*-0.15*	
		For >30,000, Deduct	*-0.21*	
09 91 43 00-0020	SF	Steam Cleaning, Metal Surface	0.37	
		For Up To 100, Add	*0.22*	
		For >100 To 250, Add	*0.10*	
		For >250 To 500, Add	*0.04*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.03*	
		For >15,000 To 30,000, Deduct	*-0.05*	
		For >30,000, Deduct	*-0.07*	
09 91 43 00-0021	SF	Loose Mill Scale With Fine Powder, Commercial Blast Metal Surface	0.79	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 15,000, Deduct	*-0.08*	
		For >15,000 To 30,000, Deduct	*-0.12*	
		For >30,000, Deduct	*-0.15*	
09 91 43 00-0022	SF	Tight Mill Scale With Fine Powder Rust, Commercial Blast Metal Surface	1.06	
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 15,000, Deduct	*-0.10*	
		For >15,000 To 30,000, Deduct	*-0.15*	
		For >30,000, Deduct	*-0.20*	
09 91 43 00-0023	SF	Exterior Coating Blistered Pitted, Rust, Commercial Blast Metal Surface	1.58	
		For Up To 100, Add	*1.03*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 15,000, Deduct	*-0.15*	
		For >15,000 To 30,000, Deduct	*-0.23*	
		For >30,000, Deduct	*-0.31*	
09 91 43 00-0024	SF	Badly Pitted With Rust Nodules, Commercial Blast Metal Surface	2.62	
		For Up To 100, Add	*1.70*	
		For >100 To 250, Add	*0.79*	
		For >250 To 500, Add	*0.34*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 15,000, Deduct	*-0.25*	
		For >15,000 To 30,000, Deduct	*-0.38*	
		For >30,000, Deduct	*-0.51*	
09 91 43 00-0025	SF	Loose Mill Scale With Fine Powder Rust, Near White Blast Metal Surface	1.98	
		For Up To 100, Add	*1.28*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 15,000, Deduct	*-0.19*	
		For >15,000 To 30,000, Deduct	*-0.29*	
		For >30,000, Deduct	*-0.38*	
09 91 43 00-0026	SF	Tight Mill Scale Little Rust, Near White Blast Metal Surface	2.46	
		For Up To 100, Add	*1.58*	
		For >100 To 250, Add	*0.74*	
		For >250 To 500, Add	*0.32*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 15,000, Deduct	*-0.23*	
		For >15,000 To 30,000, Deduct	*-0.36*	
		For >30,000, Deduct	*-0.47*	
09 91 43 00-0027	SF	Exterior Coat Blistered Pitted Rust, Near White Blast Metal Surface	3.19	
		For Up To 100, Add	*2.05*	
		For >100 To 250, Add	*0.96*	
		For >250 To 500, Add	*0.41*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 15,000, Deduct	*-0.30*	
		For >15,000 To 30,000, Deduct	*-0.46*	
		For >30,000, Deduct	*-0.62*	
09 91 43 00-0028	SF	Badly Pitted Rust Nodules, Near White Blast Metal Surface	4.00	
		For Up To 100, Add	*2.57*	
		For >100 To 250, Add	*1.20*	
		For >250 To 500, Add	*0.51*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 15,000, Deduct	*-0.38*	
		For >15,000 To 30,000, Deduct	*-0.58*	
		For >30,000, Deduct	*-0.77*	

09 91 43 00-0029 Tile Surfaces *(09 91 43 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 43 00-0030	SF	Alkaline Cleaner, Brush And Wash Tile Surface	0.32	
		For Up To 100, Add	*0.24*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.03*	
		For >15,000 To 30,000, Deduct	*-0.05*	
		For >30,000, Deduct	*-0.06*	
09 91 43 00-0031	SF	Up To 5,000 PSI, Pressure Wash Tile Surface	0.27	
		For Up To 100, Add	*0.18*	
		For >100 To 250, Add	*0.08*	
		For >250 To 500, Add	*0.04*	
		For >5,000 To 10,000, Deduct	*-0.01*	
		For >10,000 To 15,000, Deduct	*-0.03*	
		For >15,000 To 30,000, Deduct	*-0.04*	
		For >30,000, Deduct	*-0.05*	

09 91 43 00-0032 Wood Surfaces *(09 91 43 00-0001)*

09 91 43 00-0033	SF	Prepare New Wood Floor For Finish, Multi Grit Sanding/Screening	1.02	
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >4,000, Deduct	*-0.05*	
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 15,000, Deduct	*-0.10*	
		For >15,000 To 30,000, Deduct	*-0.15*	
		For >30,000, Deduct	*-0.20*	
09 91 43 00-0034	SF	Chemical Clean, Brush And Wash Wood Surface	0.46	
		For Up To 100, Add	*0.28*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 30,000, Deduct	*-0.07*	
		For >30,000, Deduct	*-0.09*	
09 91 43 00-0035	SF	Hand Scrape Wood Surface	0.65	
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.07*	
		For >15,000 To 30,000, Deduct	*-0.10*	
		For >30,000, Deduct	*-0.13*	
09 91 43 00-0036	SF	Steam Clean Wood Surface	0.59	
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.09*	
		For >30,000, Deduct	*-0.11*	
09 91 43 00-0037	SF	Up To 5,000 PSI, Pressure Wash Wood Surface	0.40	
		For Up To 100, Add	*0.26*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 30,000, Deduct	*-0.06*	
		For >30,000, Deduct	*-0.08*	
09 91 43 00-0038	SF	Sanding Wood Paneling, Boards, Doors, Etcetera	0.67	
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.09*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.07*	
		For >15,000 To 30,000, Deduct	*-0.10*	
		For >30,000, Deduct	*-0.13*	
09 91 43 00-0039	SF	Sanding Wood Trim	0.90	
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 15,000, Deduct	*-0.09*	
		For >15,000 To 30,000, Deduct	*-0.13*	
		For >30,000, Deduct	*-0.18*	
09 91 43 00-0040	SF	Prime Wood Surfaces With Linseed Oil, 1 Coat	0.58	
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.08*	
		For >30,000, Deduct	*-0.11*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 43 00-0041	SF	Paint Wood Surfaces With Linseed Oil, 1 Coat	0.68	
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.07*	
		For >15,000 To 30,000, Deduct	*-0.10*	
		For >30,000, Deduct	*-0.13*	

09 91 43 00-0042 Vinyl Siding Surfaces *(09 91 43 00-0001)*

09 91 43 00-0043	SF	Hand Wash Vinyl Siding	0.51	
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 30,000, Deduct	*-0.08*	
		For >30,000, Deduct	*-0.10*	
09 91 43 00-0044	SF	Up To 5,000 PSI, Pressure Wash Vinyl Siding	0.33	
		For Up To 100, Add	*0.20*	
		For >100 To 250, Add	*0.09*	
		For >250 To 500, Add	*0.04*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.03*	
		For >15,000 To 30,000, Deduct	*-0.05*	
		For >30,000, Deduct	*-0.06*	
09 91 43 00-0045	SF	Steam Clean Vinyl Siding	0.61	
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.09*	
		For >30,000, Deduct	*-0.12*	

09 91 43 00-0046 Prep Work *(09 91 43 00-0001)*

09 91 43 00-0047	SF	Citrus Strip, Single Applications	0.84	

09 91 43 00-0048 Plaster/Stucco *(09 91 43 00-0001)*

Note: Based on total project quantity.

09 91 43 00-0049	SF	Up To 5,000 PSI, Pressure Wash Stucco	0.43	
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.05*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 30,000, Deduct	*-0.06*	
		For >30,000, Deduct	*-0.08*	

09 91 43 00-0050 Paint Removal, Strip To Bare Wood *(09 91 43 00-0001)*

09 91 43 00-0051	SF	Flat Surfaces, Paint Removal, Strip To Bare Wood	5.93	
09 91 43 00-0052	SF	Cornices And Decorative Trim To 12" Wide, Paint Removal, Strip To Bare Wood	6.32	

09 91 43 00-0053 "Spot" Painting Of Surfaces *(09 91 43 00-0001)*

Note: For use on individual areas less than 10 SF.

09 91 43 00-0054	SF	"Spot" Paint Surfaces, Per Coat	1.10	

09 91 43 00-0055 Corrosive Inhibitor Sealant For Concrete *(09 91 43 00-0001)*

09 91 43 00-0056	SF	Corrosive Inhibitor Sealant For Concrete	0.52	
		For Up To 100, Add	*0.28*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	

09 93 Staining And Transparent Finishing *(09 90)*

Note: Includes light sanding or screening between coats.

09 93 23 Interior Staining And Finishing *(09 93)*

Note: VOC compliant in all regulated areas, see specifications for levels.

09 93 23 13 Interior Staining *(09 93 23)*

09 93 23 13-0001 Stain Sealer *(09 93 23 13)*

Note: Measured by surface area of wall or ceiling.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 93 23 13-0002	SF	Stain Sealer, Brushed	0.73	
		For Ceiling Work, Add	*0.10*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.04*	
		For >20,000, Deduct	*-0.06*	
09 93 23 13-0003	SF	Stain Sealer, Brush/Rolled	0.58	
		For Ceiling Work, Add	*0.08*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.05*	
09 93 23 13-0004	SF	Stain Sealer, Sprayed	0.21	
		For Ceiling Work, Add	*0.02*	
		For >5,000 To 10,000, Deduct	*-0.01*	
		For >10,000 To 20,000, Deduct	*-0.01*	
		For >20,000, Deduct	*-0.02*	

09 93 23 53 Interior Finishing *(09 93 23)*

09 93 23 53-0001 Concrete Finishes *(09 93 23 53)*

09 93 23 53-0002	SF	One Coat Polyurethane Concrete Floor Finish	0.60	
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >4,000, Deduct	*-0.03*	

09 93 23 53-0003 Wood Trim Finishes *(09 93 23 53)*

09 93 23 53-0004	LF	One Coat Stain Up To 6" Wide With Brush And Wipe Off Wood Trim	0.90	
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
		For >4,000, Deduct	*-0.05*	
09 93 23 53-0005	SF	One Coat Stain With Brush And Wipe Off Wood Trim	1.33	
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.19*	
		For >4,000, Deduct	*-0.07*	
09 93 23 53-0006	SF	One Coat Sealer And One Coat Varnish Or Polyurethane Wood Trim	1.05	
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >4,000, Deduct	*-0.05*	
09 93 23 53-0007	SF	One Coat Varnish Or Polyurethane Wood Trim	0.72	
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >4,000, Deduct	*-0.04*	

09 93 23 53-0008 Wood Floor Finishes *(09 93 23 53)*

09 93 23 53-0009	SF	Stain Or Varnish Wood Floor With Brush	0.39	
		For Up To 100, Add	*0.26*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >4,000, Deduct	*-0.02*	
09 93 23 53-0010	SF	Stain Or Varnish Wood Floor With Brush Or Roller	0.28	
		For Up To 100, Add	*0.17*	
		For >100 To 250, Add	*0.08*	
		For >250 To 500, Add	*0.04*	
		For >4,000, Deduct	*-0.01*	
09 93 23 53-0011	SF	Refinish Wood Floor With Two Coats Polyurethane Note: Includes sanding existing floor.	2.16	
		For Up To 100, Add	*1.55*	
		For >100 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.31*	
		For >4,000, Deduct	*-0.11*	
09 93 23 53-0012	SF	One Coat Polyurethane Wood Floor With Wool Applicator Or Brush Note: Includes screening between coats.	0.53	
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >4,000, Deduct	*-0.03*	
09 93 23 53-0013	SF	Refinish Wood Floor With One Coat Sealer And Two Coats Polyurethane Note: Includes sanding existing floor.	2.46	
		For Up To 100, Add	*1.76*	
		For >100 To 250, Add	*0.82*	
		For >250 To 500, Add	*0.35*	
		For >4,000, Deduct	*-0.12*	

09 93 23 53-0014 Wood Door And Window Finishes *(09 93 23 53)*

See CSI section 08 14 16 00-0175 for factory finish.

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 93 23 53-0015	EA	One Coat Stain With Brush And Wipe Off Wood Door (Per Face)	43.51	
		For Up To 4, Add	*32.09*	
		For >4 To 10, Add	*15.00*	
		For >10 To 20, Add	*6.44*	
		For >160, Deduct	*-2.18*	
09 93 23 53-0016	EA	One Coat Stain With Brush And Wipe Off Wood Window And Frame (Per Face)	30.52	
		For Up To 4, Add	*22.10*	
		For >4 To 10, Add	*10.35*	
		For >10 To 20, Add	*4.45*	
		For >160, Deduct	*-1.53*	
09 93 23 53-0017	EA	One Coat Shellac, Varnish Or Polyurethane Wood Door (Per Face)	31.46	
		For Up To 4, Add	*23.13*	
		For >4 To 10, Add	*10.82*	
		For >10 To 20, Add	*4.64*	
		For >160, Deduct	*-1.57*	
09 93 23 53-0018	EA	Three Coats Shellac, Varnish Or Polyurethane Wood Door With Light Sanding Between Coats (Per Face)	94.77	
		For Up To 4, Add	*68.93*	
		For >4 To 10, Add	*32.27*	
		For >10 To 20, Add	*13.86*	
		For >160, Deduct	*-4.74*	

09 93 23 53-0019 Cabinet Finishes *(09 93 23 53)*

09 93 23 53-0020	SF	One Coat Stain With Brush And Wipe Cabinet	1.08	
09 93 23 53-0021	SF	One Coat Shellac, Varnish Or Polyurethane Cabinet	1.08	

09 93 23 53-0022 Gym, Stage And Dance Floor Finishes *(09 93 23 53)*

09 93 23 53-0023	SF	Yearly Maintenance Refinish Of Gym, Stage Or Dance Floor Note: Includes screening, one coat of finish and buffing. Excludes repainting of game lines.	1.33	
09 93 23 53-0024	SF	Finish New Elementary School Wood Gym, Stage Or Dance Floor Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	3.10	
		For Stage Or Dance Floors, Deduct	*-0.06*	
09 93 23 53-0025	SF	Finish New Middle Or Junior School Wood Gym, Stage Or Dance Floor Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	3.18	
		For Stage Or Dance Floors, Deduct	*-0.06*	
09 93 23 53-0026	SF	Finish New High School Wood Gym, Stage Or Dance Floor Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	3.25	
		For Stage Or Dance Floors, Deduct	*-0.07*	
09 93 23 53-0027	SF	Refinish Existing Elementary School Wood Gym, Stage Or Dance Floor Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	3.10	
		For Stage Or Dance Floors, Deduct	*-0.06*	
09 93 23 53-0028	SF	Refinish Existing Middle Or Junior School Wood Gym, Stage Or Dance Floor Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	3.18	
		For Stage Or Dance Floors, Deduct	*-0.06*	
09 93 23 53-0029	SF	Refinish Existing High School Wood Gym, Stage Or Dance Floor Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	3.25	
		For Stage Or Dance Floors, Deduct	*-0.07*	

09 96 High-Performance Coatings *(09 90)*

09 96 23 Graffiti-Resistant Coatings *(09 96)*

09 96 23 00-0001 Anti-Graffiti Painting *(09 96 23)*

09 96 23 00-0002	SF	Anti-Graffiti Coating System, One Coat, Concrete Surface	1.51	
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
09 96 23 00-0003	SF	Anti-Graffiti Coating System, One Coat, Brick Or Block	1.55	
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
09 96 23 00-0004	SF	Anti-Graffiti Coating System, One Coat, Tile	1.28	
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
09 96 23 00-0005	SF	Anti-Graffiti Coating System, One Coat, Metal Or Steel	1.24	
		For Up To 100, Add	*0.70*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 96 23 00-0006	SF	Anti-Graffiti Coating System, One Coat, Wood	1.51	
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
09 96 23 00-0007	SF	Anti-Graffiti Coating System, One Coat, Painted Surface	1.36	
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
09 96 23 00-0008	SF	Anti-Graffiti Coating System, Two Coats, Concrete Surface	2.86	
		For Up To 100, Add	*1.35*	
		For >100 To 250, Add	*0.67*	
		For >250 To 500, Add	*0.30*	
09 96 23 00-0009	SF	Anti-Graffiti Coating System, Two Coats, Brick Or Block	2.94	
		For Up To 100, Add	*1.36*	
		For >100 To 250, Add	*0.68*	
		For >250 To 500, Add	*0.30*	
09 96 23 00-0010	SF	Anti-Graffiti Coating System, Two Coats, Tile	2.41	
		For Up To 100, Add	*1.28*	
		For >100 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.27*	
09 96 23 00-0011	SF	Anti-Graffiti Coating System, Two Coats, Metal Or Steel	2.33	
		For Up To 100, Add	*1.27*	
		For >100 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.27*	
09 96 23 00-0012	SF	Anti-Graffiti Coating System, Two Coats, Wood	2.83	
		For Up To 100, Add	*1.34*	
		For >100 To 250, Add	*0.67*	
		For >250 To 500, Add	*0.29*	
09 96 23 00-0013	SF	Anti-Graffiti Coating System, Two Coats, Painted Surface	2.56	
		For Up To 100, Add	*1.30*	
		For >100 To 250, Add	*0.64*	
		For >250 To 500, Add	*0.28*	

09 96 35 Chemical-Resistant Coatings *(09 96)*

09 96 35 00-0001 Sanitile Wall For Interior Wall Systems *(09 96 35)*

09 96 35 00-0002 Sanitile 550 System For All Interior Wall Surfaces *(09 96 35 00-0001)*

09 96 35 00-0003	SF	7-9 Mil DFT - 2 Coats Base, 1 Coat Finish	3.88	1.65
09 96 35 00-0004	SF	5-7 Mil DFT - 1 Coat Base, 1 Coat Finish	3.54	1.65

09 96 35 00-0005 Sanitile System For All Interior Wall Surfaces *(09 96 35 00-0001)*

09 96 35 00-0006	SF	7-9 Mil DFT - 2 Coats Base, 1 Coat Finish	3.82	1.72
09 96 35 00-0007	SF	5-7 Mil DFT - 1 Coat Base, 1 Coat Finish	3.47	1.72

09 96 53 Elastomeric Coatings *(09 96)*

09 96 53 00-0001 Elastomeric Painting *(09 96 53)*

Note: Per coat.

09 96 53 00-0002	SF	Paint, Brush, Elastomeric, Per Coat	1.96	
		For Work >20', Add	*0.32*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.07*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.39*	
09 96 53 00-0003	SF	Paint, Roller, Elastomeric, Per Coat	1.57	
		For Work >20', Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.78*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.31*	
09 96 53 00-0004	SF	Paint, Conventional Spray, Elastomeric, Per Coat	1.53	
		For Work >20', Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 96 53 00-0005	SF	Paint, Airless Spray, Elastomeric, Per Coat	1.38	
		For Work >20', Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	

09 96 56 Epoxy Coatings *(09 96)*

09 96 56 00-0001 High Build Epoxy *(09 96 56)*

09 96 56 00-0002	SF	High Build Epoxy - 50 Mil	2.44	

09 96 56 00-0003 Laminated Epoxy With Fiberglass *(09 96 56)*

09 96 56 00-0004	SF	Laminated Epoxy With Fiberglass	4.40	

09 96 66 Aggregate Wall Coatings *(09 96)*

09 96 66 00-0001 Troweled On *(09 96 66)*

09 96 66 00-0002	SF	Exposed Aggregate - 1/16" To 1/4" - Troweled On	3.29	
09 96 66 00-0003	SF	Exposed Aggregate - 1/2" To 5/8" Troweled On	5.89	
09 96 66 00-0004	SF	Exposed Aggregate - 1" Troweled On	8.79	

09 96 66 00-0005 Sprayed On *(09 96 66)*

09 96 66 00-0006	SF	Exposed Aggregate - 1/8" - Sprayed On	2.67	

09 97 Special Coatings *(09 90)*

09 97 13 Steel Coatings *(09 97)*

09 97 13 23 Exterior Steel Coatings *(09 97 13)*

09 97 13 23-0001 Surface Preparation For Tanks And Structural Steel *(09 97 13 23)*

Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter, and piping - under 14" diameter.

09 97 13 23-0002 SSPC SP2 Or 3 Hand Or Power Tool Cleaning Surface Preparation *(09 97 13 23-0001)*

09 97 13 23-0003	SF	Type 1 Structural Steel SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.21	
		For Up To 100, Add	*0.91*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
09 97 13 23-0004	SF	Type 2 Structural Steel SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.16	
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.17*	
09 97 13 23-0005	SF	Type 3 Structural Steel SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.16	
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.17*	
09 97 13 23-0006	SF	Small Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.16	
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.17*	
09 97 13 23-0007	SF	Large Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.03	
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.15*	
09 97 13 23-0008	SF	Up To 14" Diameter Pipe SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.57	
		For Up To 100, Add	*1.18*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.24*	
09 97 13 23-0009	SF	Vessel/Tank Interior SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.45	
		For Up To 100, Add	*1.09*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	

09 97 13 23-0010 SSPC SP7 Brush Off Blast Cleaning Surface Preparation *(09 97 13 23-0001)*

09 97 13 23-0011	SF	Type 1 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation	0.88	
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0012	SF	Type 2 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation	0.78	
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
09 97 13 23-0013	SF	Type 3 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation	0.77	
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
09 97 13 23-0014	SF	Small Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation	0.74	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
09 97 13 23-0015	SF	Large Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation	0.60	
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
09 97 13 23-0016	SF	Up To 14" Diameter Pipe SP7 Brush Off Blast Cleaning Surface Preparation	1.09	
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
09 97 13 23-0017	SF	Vessel/Tank Interior SP7 Brush Off Blast Cleaning Surface Preparation	1.05	
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.15*	
09 97 13 23-0018		SSPC SP6 Commercial Blast Cleaning Surface Preparation *(09 97 13 23-0001)*		
09 97 13 23-0019	SF	Type 1 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation	2.27	
		For Up To 100, Add	*1.62*	
		For >100 To 250, Add	*0.76*	
		For >250 To 500, Add	*0.33*	
09 97 13 23-0020	SF	Type 2 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation	1.97	
		For Up To 100, Add	*1.40*	
		For >100 To 250, Add	*0.66*	
		For >250 To 500, Add	*0.28*	
09 97 13 23-0021	SF	Type 3 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation	1.82	
		For Up To 100, Add	*1.29*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
09 97 13 23-0022	SF	Small Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation	1.82	
		For Up To 100, Add	*1.29*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
09 97 13 23-0023	SF	Large Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation	1.67	
		For Up To 100, Add	*1.17*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.24*	
09 97 13 23-0024	SF	Up To 14" Diameter Pipe SP6 Commercial Blast Cleaning Surface Preparation	2.83	
		For Up To 100, Add	*2.04*	
		For >100 To 250, Add	*0.96*	
		For >250 To 500, Add	*0.41*	
09 97 13 23-0025	SF	Vessel/Tank Interior SP6 Commercial Blast Cleaning Surface Preparation	2.44	
		For Up To 100, Add	*1.75*	
		For >100 To 250, Add	*0.82*	
		For >250 To 500, Add	*0.35*	
09 97 13 23-0026		SSPC SP5 White Metal Blast Cleaning Surface Preparation *(09 97 13 23-0001)*		
09 97 13 23-0027	SF	Type 1 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation	4.40	
		For Up To 100, Add	*3.16*	
		For >100 To 250, Add	*1.48*	
		For >250 To 500, Add	*0.64*	
09 97 13 23-0028	SF	Type 2 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation	3.77	
		For Up To 100, Add	*2.70*	
		For >100 To 250, Add	*1.26*	
		For >250 To 500, Add	*0.54*	
09 97 13 23-0029	SF	Type 3 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation	3.45	
		For Up To 100, Add	*2.46*	
		For >100 To 250, Add	*1.15*	
		For >250 To 500, Add	*0.50*	
09 97 13 23-0030	SF	Small Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation	3.29	
		For Up To 100, Add	*2.34*	
		For >100 To 250, Add	*1.10*	
		For >250 To 500, Add	*0.47*	
09 97 13 23-0031	SF	Large Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation	3.14	
		For Up To 100, Add	*2.23*	
		For >100 To 250, Add	*1.05*	
		For >250 To 500, Add	*0.45*	
09 97 13 23-0032	SF	Up To 14" Diameter Pipe SP5 White Metal Blast Cleaning Surface Preparation	5.31	
		For Up To 100, Add	*3.84*	
		For >100 To 250, Add	*1.80*	
		For >250 To 500, Add	*0.77*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0033	SF	Vessel/Tank Interior SP5 White Metal Blast Cleaning Surface Preparation	4.60	
		For Up To 100, Add	*3.32*	
		For >100 To 250, Add	*1.56*	
		For >250 To 500, Add	*0.67*	

09 97 13 23-0034 SSPC SP10 Near White Metal Blast Cleaning Surface Preparation *(09 97 13 23-0001)*

09 97 13 23-0035	SF	Type 1 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation	3.27	
		For Up To 100, Add	*2.34*	
		For >100 To 250, Add	*1.10*	
		For >250 To 500, Add	*0.47*	
09 97 13 23-0036	SF	Type 2 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation	2.79	
		For Up To 100, Add	*1.99*	
		For >100 To 250, Add	*0.93*	
		For >250 To 500, Add	*0.40*	
09 97 13 23-0037	SF	Type 3 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation	2.64	
		For Up To 100, Add	*1.88*	
		For >100 To 250, Add	*0.88*	
		For >250 To 500, Add	*0.38*	
09 97 13 23-0038	SF	Small Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation	2.63	
		For Up To 100, Add	*1.88*	
		For >100 To 250, Add	*0.88*	
		For >250 To 500, Add	*0.38*	
09 97 13 23-0039	SF	Large Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation	2.63	
		For Up To 100, Add	*1.88*	
		For >100 To 250, Add	*0.88*	
		For >250 To 500, Add	*0.38*	
09 97 13 23-0040	SF	Up To 14" Diameter Pipe SP10 Near White Metal Blast Cleaning Surface Preparation	3.86	
		For Up To 100, Add	*2.79*	
		For >100 To 250, Add	*1.31*	
		For >250 To 500, Add	*0.56*	
09 97 13 23-0041	SF	Vessel/Tank Interior SP10 Near White Metal Blast Cleaning Surface Preparation	3.85	
		For Up To 100, Add	*2.79*	
		For >100 To 250, Add	*1.31*	
		For >250 To 500, Add	*0.56*	

09 97 13 23-0042 Protective Coatings For Tanks And Structural Steel *(09 97 13 23)*

Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter, and piping - under 14" diameter.

09 97 13 23-0043 1.5 Mil Prime Coat For Tanks And Structural Steel *(09 97 13 23-0042)*

09 97 13 23-0044	SF	Spray Type 1 Structural Steel 1.5 Mil Prime Coat	0.84	
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
09 97 13 23-0045	SF	Spray Type 2 Structural Steel 1.5 Mil Prime Coat	0.63	
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
09 97 13 23-0046	SF	Spray Type 3 Structural Steel 1.5 Mil Prime Coat	0.55	
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
09 97 13 23-0047	SF	Spray Small Vessel/Tank 1.5 Mil Prime Coat	0.48	
		For Up To 100, Add	*0.31*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.06*	
09 97 13 23-0048	SF	Spray Large Vessel/Tank 1.5 Mil Prime Coat	0.39	
		For Up To 100, Add	*0.24*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
09 97 13 23-0049	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime Coat	1.01	
		For Up To 100, Add	*0.70*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
09 97 13 23-0050	SF	Spray Tank Interior 1.5 Mil Prime Coat	0.97	
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
09 97 13 23-0051	SF	Brush Type 1 Structural Steel 1.5 Mil Prime Coat	1.28	
		For Up To 100, Add	*0.90*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
09 97 13 23-0052	SF	Brush Type 2 Structural Steel 1.5 Mil Prime Coat	0.93	
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
09 97 13 23-0053	SF	Brush Type 3 Structural Steel 1.5 Mil Prime Coat	0.82	
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0054	SF	Brush Small Vessel/Tank 1.5 Mil Prime Coat	0.72	
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
09 97 13 23-0055	SF	Brush Large Vessel/Tank 1.5 Mil Prime Coat	0.57	
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
09 97 13 23-0056	SF	Brush Up To 14" Diameter Pipe 1.5 Mil Prime Coat	1.54	
		For Up To 100, Add	*1.10*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.22*	
09 97 13 23-0057	SF	Brush Tank Interior 1.5 Mil Prime Coat	1.47	
		For Up To 100, Add	*1.05*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.21*	

09 97 13 23-0058 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Tanks And Structural Steel *(09 97 13 23-0042)*

09 97 13 23-0059	SF	Spray Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.48	
		For Up To 100, Add	*1.67*	
		For >100 To 250, Add	*0.79*	
		For >250 To 500, Add	*0.34*	
09 97 13 23-0060	SF	Spray Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	1.77	
		For Up To 100, Add	*1.16*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.24*	
09 97 13 23-0061	SF	Spray Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	1.64	
		For Up To 100, Add	*1.06*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
09 97 13 23-0062	SF	Spray Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	1.42	
		For Up To 100, Add	*0.90*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
09 97 13 23-0063	SF	Spray Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	1.08	
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
09 97 13 23-0064	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	3.03	
		For Up To 100, Add	*2.08*	
		For >100 To 250, Add	*0.98*	
		For >250 To 500, Add	*0.42*	
09 97 13 23-0065	SF	Spray Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.71	
		For Up To 100, Add	*1.87*	
		For >100 To 250, Add	*0.88*	
		For >250 To 500, Add	*0.38*	
09 97 13 23-0066	SF	Spray Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.86	
		For Up To 100, Add	*1.26*	
		For >100 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.26*	
09 97 13 23-0067	SF	Spray Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.33	
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
09 97 13 23-0068	SF	Spray Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.23	
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.16*	
09 97 13 23-0069	SF	Spray Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.07	
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
09 97 13 23-0070	SF	Spray Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	0.81	
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
09 97 13 23-0071	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.27	
		For Up To 100, Add	*1.56*	
		For >100 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.32*	
09 97 13 23-0072	SF	Spray Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.03	
		For Up To 100, Add	*1.40*	
		For >100 To 250, Add	*0.66*	
		For >250 To 500, Add	*0.28*	
09 97 13 23-0073	SF	Brush Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	4.06	
		For Up To 100, Add	*2.86*	
		For >100 To 250, Add	*1.34*	
		For >250 To 500, Add	*0.58*	
09 97 13 23-0074	SF	Brush Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.85	
		For Up To 100, Add	*1.97*	
		For >100 To 250, Add	*0.93*	
		For >250 To 500, Add	*0.40*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0075	SF	Brush Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats		2.62	
		For Up To 100, Add		*1.80*	
		For >100 To 250, Add		*0.85*	
		For >250 To 500, Add		*0.37*	
09 97 13 23-0076	SF	Brush Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats		2.26	
		For Up To 100, Add		*1.53*	
		For >100 To 250, Add		*0.72*	
		For >250 To 500, Add		*0.31*	
09 97 13 23-0077	SF	Brush Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats		1.68	
		For Up To 100, Add		*1.10*	
		For >100 To 250, Add		*0.52*	
		For >250 To 500, Add		*0.23*	
09 97 13 23-0078	SF	Brush Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats		5.00	
		For Up To 100, Add		*3.56*	
		For >100 To 250, Add		*1.67*	
		For >250 To 500, Add		*0.72*	
09 97 13 23-0079	SF	Brush Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats		4.48	
		For Up To 100, Add		*3.20*	
		For >100 To 250, Add		*1.50*	
		For >250 To 500, Add		*0.65*	
09 97 13 23-0080	SF	Brush Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats		3.03	
		For Up To 100, Add		*2.13*	
		For >100 To 250, Add		*1.00*	
		For >250 To 500, Add		*0.43*	
09 97 13 23-0081	SF	Brush Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats		2.14	
		For Up To 100, Add		*1.48*	
		For >100 To 250, Add		*0.70*	
		For >250 To 500, Add		*0.30*	
09 97 13 23-0082	SF	Brush Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats		1.97	
		For Up To 100, Add		*1.35*	
		For >100 To 250, Add		*0.64*	
		For >250 To 500, Add		*0.27*	
09 97 13 23-0083	SF	Brush Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats		1.69	
		For Up To 100, Add		*1.15*	
		For >100 To 250, Add		*0.54*	
		For >250 To 500, Add		*0.23*	
09 97 13 23-0084	SF	Brush Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats		1.25	
		For Up To 100, Add		*0.82*	
		For >100 To 250, Add		*0.39*	
		For >250 To 500, Add		*0.17*	
09 97 13 23-0085	SF	Brush Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats		3.75	
		For Up To 100, Add		*2.67*	
		For >100 To 250, Add		*1.25*	
		For >250 To 500, Add		*0.54*	
09 97 13 23-0086	SF	Brush Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats		3.36	
		For Up To 100, Add		*2.40*	
		For >100 To 250, Add		*1.13*	
		For >250 To 500, Add		*0.48*	

09 97 13 23-0087 Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Tanks And Structural Steel *(09 97 13 23-0042)*

09 97 13 23-0088	SF	Spray Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats		1.91	
		For Up To 100, Add		*1.30*	
		For >100 To 250, Add		*0.61*	
		For >250 To 500, Add		*0.26*	
09 97 13 23-0089	SF	Spray Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats		1.56	
		For Up To 100, Add		*1.05*	
		For >100 To 250, Add		*0.50*	
		For >250 To 500, Add		*0.21*	
09 97 13 23-0090	SF	Spray Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats		1.42	
		For Up To 100, Add		*0.95*	
		For >100 To 250, Add		*0.45*	
		For >250 To 500, Add		*0.19*	
09 97 13 23-0091	SF	Spray Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats		1.28	
		For Up To 100, Add		*0.84*	
		For >100 To 250, Add		*0.40*	
		For >250 To 500, Add		*0.17*	
09 97 13 23-0092	SF	Spray Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats		1.09	
		For Up To 100, Add		*0.70*	
		For >100 To 250, Add		*0.33*	
		For >250 To 500, Add		*0.14*	
09 97 13 23-0093	SF	Spray Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats		2.40	
		For Up To 100, Add		*1.66*	
		For >100 To 250, Add		*0.78*	
		For >250 To 500, Add		*0.34*	
09 97 13 23-0094	SF	Spray Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats		2.85	
		For Up To 100, Add		*2.02*	
		For >100 To 250, Add		*0.95*	
		For >250 To 500, Add		*0.41*	
09 97 13 23-0095	SF	Spray Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat		1.22	
		For Up To 100, Add		*0.83*	
		For >100 To 250, Add		*0.39*	
		For >250 To 500, Add		*0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0096	SF	Spray Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.00	
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
09 97 13 23-0097	SF	Spray Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	0.91	
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.12*	
09 97 13 23-0098	SF	Spray Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	0.82	
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
09 97 13 23-0099	SF	Spray Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	0.70	
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
09 97 13 23-0100	SF	Spray Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.54	
		For Up To 100, Add	*1.07*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
09 97 13 23-0101	SF	Spray Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats	1.82	
		For Up To 100, Add	*1.29*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
09 97 13 23-0102	SF	Brush Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.89	
		For Up To 100, Add	*2.04*	
		For >100 To 250, Add	*0.96*	
		For >250 To 500, Add	*0.41*	
09 97 13 23-0103	SF	Brush Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.33	
		For Up To 100, Add	*1.63*	
		For >100 To 250, Add	*0.77*	
		For >250 To 500, Add	*0.33*	
09 97 13 23-0104	SF	Brush Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.12	
		For Up To 100, Add	*1.47*	
		For >100 To 250, Add	*0.69*	
		For >250 To 500, Add	*0.30*	
09 97 13 23-0105	SF	Brush Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.91	
		For Up To 100, Add	*1.31*	
		For >100 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.27*	
09 97 13 23-0106	SF	Brush Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.59	
		For Up To 100, Add	*1.07*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
09 97 13 23-0107	SF	Brush Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats	3.65	
		For Up To 100, Add	*2.60*	
		For >100 To 250, Add	*1.22*	
		For >250 To 500, Add	*0.52*	
09 97 13 23-0108	SF	Brush Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats	4.69	
		For Up To 100, Add	*3.44*	
		For >100 To 250, Add	*1.61*	
		For >250 To 500, Add	*0.69*	
09 97 13 23-0109	SF	Brush Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.85	
		For Up To 100, Add	*1.30*	
		For >100 To 250, Add	*0.61*	
		For >250 To 500, Add	*0.26*	
09 97 13 23-0110	SF	Brush Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.50	
		For Up To 100, Add	*1.05*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.21*	
09 97 13 23-0111	SF	Brush Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.36	
		For Up To 100, Add	*0.94*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
09 97 13 23-0112	SF	Brush Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.23	
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
09 97 13 23-0113	SF	Brush Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.01	
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
09 97 13 23-0114	SF	Brush Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat	2.34	
		For Up To 100, Add	*1.67*	
		For >100 To 250, Add	*0.78*	
		For >250 To 500, Add	*0.34*	
09 97 13 23-0115	SF	Brush Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats	3.05	
		For Up To 100, Add	*2.21*	
		For >100 To 250, Add	*1.04*	
		For >250 To 500, Add	*0.44*	

09 97 13 23-0116 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Tanks And Structural Steel *(09 97 13 23-0042)*

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0117		SF	Spray Type 1 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	3.06	
			For Up To 100, Add	*1.92*	
			For >100 To 250, Add	*0.92*	
			For >250 To 500, Add	*0.40*	
09 97 13 23-0118		SF	Spray Type 2 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.19	
			For Up To 100, Add	*1.31*	
			For >100 To 250, Add	*0.63*	
			For >250 To 500, Add	*0.27*	
09 97 13 23-0119		SF	Spray Type 3 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.92	
			For Up To 100, Add	*1.10*	
			For >100 To 250, Add	*0.53*	
			For >250 To 500, Add	*0.23*	
09 97 13 23-0120		SF	Spray Small Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.77	
			For Up To 100, Add	*1.00*	
			For >100 To 250, Add	*0.48*	
			For >250 To 500, Add	*0.21*	
09 97 13 23-0121		SF	Spray Large Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.50	
			For Up To 100, Add	*0.80*	
			For >100 To 250, Add	*0.39*	
			For >250 To 500, Add	*0.17*	
09 97 13 23-0122		SF	Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	3.48	
			For Up To 100, Add	*2.23*	
			For >100 To 250, Add	*1.06*	
			For >250 To 500, Add	*0.46*	
09 97 13 23-0123		SF	Spray Type 1 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.15	
			For Up To 100, Add	*1.35*	
			For >100 To 250, Add	*0.64*	
			For >250 To 500, Add	*0.28*	
09 97 13 23-0124		SF	Spray Type 2 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.54	
			For Up To 100, Add	*0.92*	
			For >100 To 250, Add	*0.44*	
			For >250 To 500, Add	*0.19*	
09 97 13 23-0125		SF	Spray Type 3 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.35	
			For Up To 100, Add	*0.77*	
			For >100 To 250, Add	*0.37*	
			For >250 To 500, Add	*0.16*	
09 97 13 23-0126		SF	Spray Small Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.23	
			For Up To 100, Add	*0.69*	
			For >100 To 250, Add	*0.34*	
			For >250 To 500, Add	*0.15*	
09 97 13 23-0127		SF	Spray Large Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.04	
			For Up To 100, Add	*0.55*	
			For >100 To 250, Add	*0.27*	
			For >250 To 500, Add	*0.12*	
09 97 13 23-0128		SF	Spray Up To 14" Diameter Pipe Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.44	
			For Up To 100, Add	*1.56*	
			For >100 To 250, Add	*0.74*	
			For >250 To 500, Add	*0.32*	

09 97 13 23-0129 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Tanks And Structural Steel *(09 97 13 23-0042)*

09 97 13 23-0130		SF	Spray Type 1 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	3.24	
			For Up To 100, Add	*1.95*	
			For >100 To 250, Add	*0.93*	
			For >250 To 500, Add	*0.41*	
09 97 13 23-0131		SF	Spray Type 2 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	2.35	
			For Up To 100, Add	*1.33*	
			For >100 To 250, Add	*0.64*	
			For >250 To 500, Add	*0.28*	
09 97 13 23-0132		SF	Spray Type 3 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	2.08	
			For Up To 100, Add	*1.13*	
			For >100 To 250, Add	*0.55*	
			For >250 To 500, Add	*0.24*	
09 97 13 23-0133		SF	Spray Small Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	1.92	
			For Up To 100, Add	*1.02*	
			For >100 To 250, Add	*0.50*	
			For >250 To 500, Add	*0.22*	
09 97 13 23-0134		SF	Spray Large Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	1.65	
			For Up To 100, Add	*0.82*	
			For >100 To 250, Add	*0.40*	
			For >250 To 500, Add	*0.18*	
09 97 13 23-0135		SF	Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	3.66	
			For Up To 100, Add	*2.25*	
			For >100 To 250, Add	*1.08*	
			For >250 To 500, Add	*0.47*	
09 97 13 23-0136		SF	Spray Type 1 Structural Steel Two 6 Mil High Build Epoxy Finish Coats	2.65	
			For Up To 100, Add	*1.60*	
			For >100 To 250, Add	*0.77*	
			For >250 To 500, Add	*0.33*	
09 97 13 23-0137		SF	Spray Type 2 Structural Steel Two 6 Mil High Build Epoxy Finish Coats	1.92	
			For Up To 100, Add	*1.09*	
			For >100 To 250, Add	*0.52*	
			For >250 To 500, Add	*0.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0138	SF	Spray Type 3 Structural Steel Two 6 Mil High Build Epoxy Finish Coats	1.70	
		For Up To 100, Add	*0.92*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
09 97 13 23-0139	SF	Spray Small Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats	1.58	
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
09 97 13 23-0140	SF	Spray Large Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats	1.36	
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.15*	
09 97 13 23-0141	SF	Spray Up To 14" Diameter Pipe Two 6 Mil High Build Epoxy Finish Coats	3.02	
		For Up To 100, Add	*1.86*	
		For >100 To 250, Add	*0.89*	
		For >250 To 500, Add	*0.39*	
09 97 13 23-0142		1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Tanks And Structural Steel *(09 97 13 23-0042)*		
09 97 13 23-0143	SF	Spray Type 1 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	6.81	
		For Up To 100, Add	*4.19*	
		For >100 To 250, Add	*2.00*	
		For >250 To 500, Add	*0.87*	
09 97 13 23-0144	SF	Spray Type 2 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	5.10	
		For Up To 100, Add	*3.00*	
		For >100 To 250, Add	*1.44*	
		For >250 To 500, Add	*0.63*	
09 97 13 23-0145	SF	Spray Type 3 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	4.89	
		For Up To 100, Add	*2.85*	
		For >100 To 250, Add	*1.37*	
		For >250 To 500, Add	*0.60*	
09 97 13 23-0146	SF	Spray Small Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	4.72	
		For Up To 100, Add	*2.74*	
		For >100 To 250, Add	*1.32*	
		For >250 To 500, Add	*0.58*	
09 97 13 23-0147	SF	Spray Large Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	4.31	
		For Up To 100, Add	*2.43*	
		For >100 To 250, Add	*1.18*	
		For >250 To 500, Add	*0.51*	
09 97 13 23-0148	SF	Spray Up To 14" Diameter Pipe 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	8.00	
		For Up To 100, Add	*5.06*	
		For >100 To 250, Add	*2.41*	
		For >250 To 500, Add	*1.04*	
09 97 13 23-0149	SF	Spray Tank Interior 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	7.43	
		For Up To 100, Add	*4.77*	
		For >100 To 250, Add	*2.27*	
		For >250 To 500, Add	*0.98*	
09 97 13 23-0150		1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Tanks And Structural Steel *(09 97 13 23-0042)*		
09 97 13 23-0151	SF	Spray Type 1 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	3.51	
		For Up To 100, Add	*2.03*	
		For >100 To 250, Add	*0.98*	
		For >250 To 500, Add	*0.43*	
09 97 13 23-0152	SF	Spray Type 2 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	2.69	
		For Up To 100, Add	*1.42*	
		For >100 To 250, Add	*0.69*	
		For >250 To 500, Add	*0.30*	
09 97 13 23-0153	SF	Spray Type 3 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	2.56	
		For Up To 100, Add	*1.32*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.28*	
09 97 13 23-0154	SF	Spray Small Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	2.40	
		For Up To 100, Add	*1.27*	
		For >100 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.27*	
09 97 13 23-0155	SF	Spray Large Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	2.11	
		For Up To 100, Add	*1.05*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.23*	
09 97 13 23-0156	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	4.03	
		For Up To 100, Add	*2.39*	
		For >100 To 250, Add	*1.15*	
		For >250 To 500, Add	*0.50*	
09 97 13 23-0157	SF	Spray Tank Interior 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	3.73	
		For Up To 100, Add	*2.26*	
		For >100 To 250, Add	*1.08*	
		For >250 To 500, Add	*0.47*	
09 97 13 23-0158	SF	Spray Type 1 Structural Steel Two 4 Mil High Build Vinyl Finish Coats	2.78	
		For Up To 100, Add	*1.61*	
		For >100 To 250, Add	*0.77*	
		For >250 To 500, Add	*0.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0159	SF	Spray Type 2 Structural Steel Two 4 Mil High Build Vinyl Finish Coats	2.13	
		For Up To 100, Add	*1.12*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.24*	
09 97 13 23-0160	SF	Spray Type 3 Structural Steel Two 4 Mil High Build Vinyl Finish Coats	2.03	
		For Up To 100, Add	*1.05*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.23*	
09 97 13 23-0161	SF	Spray Small Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats	1.89	
		For Up To 100, Add	*1.00*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.21*	
09 97 13 23-0162	SF	Spray Large Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats	1.67	
		For Up To 100, Add	*0.83*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
09 97 13 23-0163	SF	Spray Up To 14" Diameter Pipe Two 4 Mil High Build Vinyl Finish Coats	3.19	
		For Up To 100, Add	*1.89*	
		For >100 To 250, Add	*0.91*	
		For >250 To 500, Add	*0.40*	
09 97 13 23-0164	SF	Spray Tank Interior Two 4 Mil High Build Vinyl Finish Coats	2.95	
		For Up To 100, Add	*1.79*	
		For >100 To 250, Add	*0.86*	
		For >250 To 500, Add	*0.37*	

09 97 13 23-0165 Two 8 Mil Coal Tar Epoxy Coats For Tanks And Structural Steel *(09 97 13 23-0042)*

09 97 13 23-0166	SF	Spray Type 1 Structural Steel Two 8 Mil Coal Tar Epoxy Coats	3.07	
		For Up To 100, Add	*1.96*	
		For >100 To 250, Add	*0.93*	
		For >250 To 500, Add	*0.40*	
09 97 13 23-0167	SF	Spray Type 2 Structural Steel Two 8 Mil Coal Tar Epoxy Coats	2.49	
		For Up To 100, Add	*1.56*	
		For >100 To 250, Add	*0.74*	
		For >250 To 500, Add	*0.32*	
09 97 13 23-0168	SF	Spray Type 3 Structural Steel Two 8 Mil Coal Tar Epoxy Coats	2.28	
		For Up To 100, Add	*1.40*	
		For >100 To 250, Add	*0.67*	
		For >250 To 500, Add	*0.29*	
09 97 13 23-0169	SF	Spray Small Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats	2.27	
		For Up To 100, Add	*1.40*	
		For >100 To 250, Add	*0.67*	
		For >250 To 500, Add	*0.29*	
09 97 13 23-0170	SF	Spray Large Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats	1.87	
		For Up To 100, Add	*1.10*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.23*	
09 97 13 23-0171	SF	Spray Up To 14" Diameter Pipe Two 8 Mil Coal Tar Epoxy Coats	3.84	
		For Up To 100, Add	*2.53*	
		For >100 To 250, Add	*1.20*	
		For >250 To 500, Add	*0.52*	
09 97 13 23-0172	SF	Spray Tank Interior Two 8 Mil Coal Tar Epoxy Coats	2.95	
		For Up To 100, Add	*1.91*	
		For >100 To 250, Add	*0.91*	
		For >250 To 500, Add	*0.39*	

09 97 13 23-0173 One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Tanks And Structural Steel *(09 97 13 23-0042)*

09 97 13 23-0174	SF	Spray Type 1 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	3.01	
		For Up To 100, Add	*1.99*	
		For >100 To 250, Add	*0.94*	
		For >250 To 500, Add	*0.41*	
09 97 13 23-0175	SF	Spray Type 2 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	2.10	
		For Up To 100, Add	*1.33*	
		For >100 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.27*	
09 97 13 23-0176	SF	Spray Type 3 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	1.77	
		For Up To 100, Add	*1.08*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.22*	
09 97 13 23-0177	SF	Spray Small Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	1.55	
		For Up To 100, Add	*0.92*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
09 97 13 23-0178	SF	Spray Large Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	1.42	
		For Up To 100, Add	*0.83*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0179	SF	Spray Up To 14" Diameter Pipe One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	3.45	
		For Up To 100, Add	*2.31*	
		For >100 To 250, Add	*1.09*	
		For >250 To 500, Add	*0.47*	
09 97 13 23-0180	SF	Spray Tank Interior One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	2.43	
		For Up To 100, Add	*1.58*	
		For >100 To 250, Add	*0.75*	
		For >250 To 500, Add	*0.32*	
09 97 13 23-0181		Two 6 Mil High Build Epoxy Finish Coats For Tanks Interior *(09 97 13 23-0042)*		
09 97 13 23-0182	SF	Spray Small Tank Interior Two 6 Mil High Build Epoxy Finish Coats	3.46	
		For Up To 100, Add	*2.15*	
		For >100 To 250, Add	*1.02*	
		For >250 To 500, Add	*0.44*	
09 97 13 23-0183	SF	Spray Large Tank Interior Two 6 Mil High Build Epoxy Finish Coats	2.04	
		For Up To 100, Add	*1.12*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.24*	
09 97 13 23-0184		One 3 Mil High Zinc Silicate Coat For Tanks And Structural Steel *(09 97 13 23-0042)*		
09 97 13 23-0185	SF	Spray Type 1 Structural Steel One 3 Mil High Zinc Silicate Coat	1.53	
		For Up To 100, Add	*0.88*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
09 97 13 23-0186	SF	Spray Type 2 Structural Steel One 3 Mil High Zinc Silicate Coat	1.09	
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
09 97 13 23-0187	SF	Spray Type 3 Structural Steel One 3 Mil High Zinc Silicate Coat	1.02	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
09 97 13 23-0188	SF	Spray Small Vessel/Tank One 3 Mil High Zinc Silicate Coat	0.95	
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
09 97 13 23-0189	SF	Spray Large Vessel/Tank One 3 Mil High Zinc Silicate Coat	0.92	
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
09 97 13 23-0190	SF	Spray Up To 14" Diameter Pipe One 3 Mil High Zinc Silicate Coat	1.62	
		For Up To 100, Add	*0.93*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
09 97 13 23-0191	SF	Spray Tank Interior One 3 Mil High Zinc Silicate Coat	1.55	
		For Up To 100, Add	*0.92*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
09 97 13 23-0192		Two 1.5 Mil Vinyl Enamel Finish Coats For Tanks And Structural Steel *(09 97 13 23-0042)*		
		Note: Installed over existing primer.		
09 97 13 23-0193	SF	Spray Type 1 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	2.43	
		For Up To 100, Add	*1.50*	
		For >100 To 250, Add	*0.72*	
		For >250 To 500, Add	*0.31*	
09 97 13 23-0194	SF	Spray Type 2 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	1.97	
		For Up To 100, Add	*1.19*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.25*	
09 97 13 23-0195	SF	Spray Type 3 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	1.70	
		For Up To 100, Add	*0.99*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
09 97 13 23-0196	SF	Spray Small Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats	1.61	
		For Up To 100, Add	*0.93*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
09 97 13 23-0197	SF	Spray Large Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats	1.41	
		For Up To 100, Add	*0.78*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
09 97 13 23-0198	SF	Spray Up To 14" Diameter Pipe Two 1.5 Mil Vinyl Enamel Finish Coats	2.86	
		For Up To 100, Add	*1.82*	
		For >100 To 250, Add	*0.86*	
		For >250 To 500, Add	*0.37*	
09 97 13 23-0199	SF	Spray Tank Interior Two 1.5 Mil Vinyl Enamel Finish Coats	2.29	
		For Up To 100, Add	*1.44*	
		For >100 To 250, Add	*0.69*	
		For >250 To 500, Add	*0.30*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0200		One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat For Tanks *(09 97 13 23-0042)*		
09 97 13 23-0201	SF	Spray/Mop Large Vessel/Tank One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat	6.10	
		For Up To 100, Add	*4.01*	
		For >100 To 250, Add	*1.90*	
		For >250 To 500, Add	*0.82*	

09 97 26 Cementitious Coatings *(09 97)*

09 97 26 13 Interior Cementitious Coatings *(09 97 26)*

09 97 26 13-0001 Ceramic-Like Glazed Coating *(09 97 26 13)*

09 97 26 13-0002 Ceramic-Like Glazed Coating, Cementitious *(09 97 26 13-0001)*

09 97 26 13-0003	SF	Ceramic-like Glazed Coating. - Cementitious	2.08	

09 97 26 13-0004 Ceramic-Like Glazed Coating, Resin Base *(09 97 26 13-0001)*

09 97 26 13-0005	SF	Ceramic-like Glazed Coating - Resin	1.76	

09 97 35 Dry Erase Coatings *(09 97)*

09 97 35 00-0001 Dry-Erase Paint *(09 97 35)*

09 97 35 00-0002 Dry-Erase Paint (IdeaPaint™ PRO) *(09 97 35 00-0001)*

09 97 35 00-0003	SF	Dry-Erase Paint (IdeaPaint™ PRO), Applied With Roller Note: Includes two coats of primer and white, white sand, light beige or light gray surface.	7.26	

09 97 35 00-0004 Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE) *(09 97 35 00-0001)*

09 97 35 00-0005	SF	Clear, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller Note: For application over existing latex-based top coats.	3.86	
09 97 35 00-0006	SF	Black Or White, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller Note: Includes two coats of primer and white or black surface coat.	7.70	

09 97 63 Special Coatings *(09 97)*

09 97 63 00-0001 Acrylic Glazed Coating *(09 97 63)*

09 97 63 00-0002	SF	Acrylic Glazed Coating	1.36	

END OF SECTION 09

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 Specialties

10 10 Information Specialties *(10)*

10 11 Visual Display Units *(10 10)*

10 11 13 Chalkboards *(10 11)*

10 11 13 13 Fixed Chalkboards *(10 11 13)*

Note: Select task based off the square footage of an individual chalkboard. For example use the >12 To 16 SF range for each 3' x 5' chalkboard.

10 11 13 13-0001 Porcelain Enamel Steel Chalkboards *(10 11 13 13)*

10 11 13 13-0002 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 800 Series) *(10 11 13 13-0001)*

Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, chalk tray and mounting hardware.

10 11 13 13-0003	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	40.25	6.66
10 11 13 13-0004	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	26.26	3.13
10 11 13 13-0005	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	22.72	2.70
10 11 13 13-0006	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	19.07	1.76
10 11 13 13-0007	SF	>24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	16.19	0.98

10 11 13 13-0008 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 1300 Series) *(10 11 13 13-0001)*

Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, chalk tray and mounting hardware.

10 11 13 13-0009	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	42.75	6.66
10 11 13 13-0010	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	28.70	3.13
10 11 13 13-0011	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	24.96	2.70
10 11 13 13-0012	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	21.79	1.76
10 11 13 13-0013	SF	>24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	18.86	0.98

10 11 13 13-0014 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboards (Claridge 1600 Series) *(10 11 13 13-0001)*

Note: Includes up to 1/2" core material, aluminum backing, chalk tray and mounting hardware.

10 11 13 13-0015	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	38.71	6.66
10 11 13 13-0016	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	24.69	3.13
10 11 13 13-0017	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	21.21	2.70
10 11 13 13-0018	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	17.81	1.76
10 11 13 13-0019	SF	>24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	14.78	0.98

10 11 13 13-0020 Remove And Reinstall *(10 11 13 13)*

10 11 13 13-0021	SF	Remove And Reinstall Chalkboard	8.27	

10 11 13 13-0022 Field Applied Chalkboard And Accessories *(10 11 13 13)*

10 11 13 13-0023 Chalkboard Face Sheets And Panels *(10 11 13 13-0022)*

10 11 13 13-0024	SF	Porcelain Enamel Steel Chalkboard Face Sheet (Claridge Vitracite) Note: Includes porcelain enamel steel chalkboard skin.	13.05	3.13
10 11 13 13-0025	SF	Porcelain Enamel Steel Chalkboard Panel (Claridge VIT) Note: Includes porcelain enamel steel surface mounted on either particle board or hardboard core with an aluminum moisture barrier back.	15.83	3.13

10 11 13 13-0026 Chalkboard And Markerboard Accessory Trays And Trim *(10 11 13 13-0022)*

10 11 13 13-0027	LF	Chalk And Marker Tray, Field Applied	14.44	4.31
10 11 13 13-0028	PR	Chalk And Marker Tray End Closures, Field Applied	20.15	7.83
10 11 13 13-0029	LF	Mullion Trim For Chalkboards And Markerboards, Field Applied	10.51	4.31
10 11 13 13-0030	LF	Screw On Trim For Chalkboards And Markerboards, Field Applied	10.81	4.31
10 11 13 13-0031	LF	1/2" Leg Map Rail For Chalkboards And Markerboards, Field Applied	11.72	4.31
10 11 13 13-0032	LF	1/4" Leg Map Rail For Chalkboards And Markerboards, Field Applied	12.47	4.31
10 11 13 13-0033	LF	No Leg Map Rail For Chalkboards And Markerboards, Field Applied	11.28	4.31

10 11 13 33 Rail-Mounted Chalkboards *(10 11 13)*

10 11 13 33-0001 Horizontal Sliding, Porcelain Enamel Steel Chalkboards (Claridge HS Series) *(10 11 13 33)*

10 11 13 33-0002 Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0001)*

10 11 13 33-0003	EA	4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	1,961.08	78.33
10 11 13 33-0004	EA	4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,206.29	78.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 13 33-0005	EA	4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,501.38	83.43
10 11 13 33-0006	EA	4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,786.28	83.43
10 11 13 33-0007	EA	4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,478.73	89.69
10 11 13 33-0008	EA	4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,705.98	89.69
10 11 13 33-0009	EA	4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,190.83	94.00
10 11 13 33-0010	EA	4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,754.96	94.00
10 11 13 33-0011		Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0001)*		
10 11 13 33-0012	EA	4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,692.51	78.33
10 11 13 33-0013	EA	4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,200.43	78.33
10 11 13 33-0014	EA	4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,665.62	83.43
10 11 13 33-0015	EA	4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,131.96	83.43
10 11 13 33-0016	EA	4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,712.90	89.69
10 11 13 33-0017	EA	4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,918.41	89.69
10 11 13 33-0018	EA	4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,772.76	94.00
10 11 13 33-0019	EA	4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	6,458.79	94.00
10 11 13 33-0020		Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0001)*		
10 11 13 33-0021	EA	4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,004.36	78.33
10 11 13 33-0022	EA	4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,419.67	78.33
10 11 13 33-0023	EA	4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,866.90	83.43
10 11 13 33-0024	EA	4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,343.64	83.43
10 11 13 33-0025	EA	4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,264.78	89.69
10 11 13 33-0026	EA	4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,483.52	89.69
10 11 13 33-0027	EA	4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	6,480.57	94.00
10 11 13 33-0028	EA	4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	7,239.89	94.00
10 11 13 33-0029		Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge TW Series) *(10 11 13 33)*		
10 11 13 33-0030		One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0029)*		
10 11 13 33-0031	EA	8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	2,350.87	78.33
10 11 13 33-0032	EA	8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	2,597.97	78.33
10 11 13 33-0033	EA	8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	2,842.03	83.43
10 11 13 33-0034	EA	8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	3,271.02	83.43
10 11 13 33-0035	EA	8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	3,584.04	89.69
10 11 13 33-0036	EA	8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	3,979.95	89.69
10 11 13 33-0037		Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0029)*		
10 11 13 33-0038	EA	8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	3,464.01	78.33
10 11 13 33-0039	EA	8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	3,847.64	78.33
10 11 13 33-0040	EA	8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	4,230.12	83.43
10 11 13 33-0041	EA	8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	4,935.96	83.43
10 11 13 33-0042	EA	8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	5,372.73	89.69
10 11 13 33-0043	EA	8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	6,013.37	89.69
10 11 13 33-0044		Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0029)*		
10 11 13 33-0045	EA	8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	4,742.52	78.33
10 11 13 33-0046	EA	8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	5,265.52	78.33
10 11 13 33-0047	EA	8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	5,787.37	83.43
10 11 13 33-0048	EA	8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	6,769.11	83.43
10 11 13 33-0049	EA	8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	7,340.98	89.69
10 11 13 33-0050	EA	8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	8,243.34	89.69
10 11 13 33-0051		Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge MO Series) *(10 11 13 33)* Note: Excludes remotes.		
10 11 13 33-0052		One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0051)*		
10 11 13 33-0053	EA	10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	7,594.00	156.66
10 11 13 33-0054	EA	10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	7,812.86	156.66
10 11 13 33-0055	EA	10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	8,054.74	161.57
10 11 13 33-0056	EA	10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	8,455.61	161.57
10 11 13 33-0057	EA	10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	8,896.51	166.46
10 11 13 33-0058	EA	10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	9,283.20	166.46
10 11 13 33-0059	EA	10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	10,120.41	176.25
10 11 13 33-0060	EA	10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	10,227.38	176.25

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 13 33-0061		Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0051)*		
10 11 13 33-0062	EA	10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	11,984.85	156.66
10 11 13 33-0063	EA	10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	12,274.20	156.66
10 11 13 33-0064	EA	10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	12,595.09	161.57
10 11 13 33-0065	EA	10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	13,184.20	161.57
10 11 13 33-0066	EA	10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	13,767.98	166.46
10 11 13 33-0067	EA	10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	14,327.80	166.46
10 11 13 33-0068	EA	10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	15,460.04	176.25
10 11 13 33-0069	EA	10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	15,629.57	176.25
10 11 13 33-0070		Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0051)*		
10 11 13 33-0071	EA	10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	15,590.40	156.66
10 11 13 33-0072	EA	10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	16,320.70	156.66
10 11 13 33-0073	EA	10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	16,705.46	161.57
10 11 13 33-0074	EA	10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	17,471.48	161.57
10 11 13 33-0075	EA	10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	18,274.69	166.46
10 11 13 33-0076	EA	10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	19,049.21	166.46
10 11 13 33-0077	EA	10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	20,572.86	176.25
10 11 13 33-0078	EA	10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	20,871.11	176.25
10 11 13 33-0079		Sliding Chalkboard And Markerboard Accessories *(10 11 13 33)*		
10 11 13 33-0080	EA	One Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard	573.89	
10 11 13 33-0081	EA	Two Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard	981.18	
10 11 16		**Markerboards** *(10 11)*		
10 11 16 13		**Fixed Markerboards** *(10 11 16)*		
		Note: Select task based off the square footage of an individual markerboard. For example use the >12 To 16 SF range for each 3' x 5' markerboard.		
10 11 16 13-0001		Porcelain Enamel Steel Markerboards *(10 11 16 13)*		
10 11 16 13-0002		5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 800 Series) *(10 11 16 13-0001)*		
		Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0003	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	40.41	6.66
10 11 16 13-0004	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	26.81	3.13
10 11 16 13-0005	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	22.72	2.70
10 11 16 13-0006	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	19.27	1.76
10 11 16 13-0007	SF	>24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	15.97	0.98
10 11 16 13-0008		1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 1300 Series) *(10 11 16 13-0001)*		
		Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0009	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	42.78	6.66
10 11 16 13-0010	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	27.52	3.13
10 11 16 13-0011	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	23.78	2.70
10 11 16 13-0012	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	20.61	1.76
10 11 16 13-0013	SF	>24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	18.16	0.98
10 11 16 13-0014		1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboards (Claridge LCS Series) *(10 11 16 13-0001)*		
		Note: Includes up to 1/2" core material, aluminum backing, marker tray and mounting hardware.		
10 11 16 13-0015	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	38.69	6.66
10 11 16 13-0016	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	24.70	3.13
10 11 16 13-0017	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	22.36	2.70
10 11 16 13-0018	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	17.93	1.76
10 11 16 13-0019	SF	>24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	14.52	0.98
10 11 16 13-0020		Melamine Markerboards *(10 11 16 13)*		
10 11 16 13-0021		1-1/4" Face Aluminum Frame, Melamine Markerboard (Claridge MLC Series) *(10 11 16 13-0020)*		
		Note: Includes full length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0022	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	31.43	6.66
10 11 16 13-0023	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	19.69	3.13
10 11 16 13-0024	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	17.10	2.70
10 11 16 13-0025	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	12.97	1.76
10 11 16 13-0026	SF	>24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	10.74	0.98

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 13-0027		1-3/4" Face Wood Frame, Melamine Markerboard (Claridge MLC Series) *(10 11 16 13-0020)*		
		Note: Includes marker tray and mounting hardware.		
10 11 16 13-0028	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	30.63	6.66
10 11 16 13-0029	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	19.32	3.13
10 11 16 13-0030	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	16.57	2.70
10 11 16 13-0031	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	12.02	1.76
10 11 16 13-0032	SF	>24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	9.87	0.98
10 11 16 13-0033		Nonporous, Non-Staining Markerboards *(10 11 16 13)*		
10 11 16 13-0034		5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) *(10 11 16 13-0033)*		
		Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0035	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	31.06	6.66
		For Magnetic Surface, Add	*1.77*	
10 11 16 13-0036	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	19.76	3.13
		For Magnetic Surface, Add	*1.35*	
10 11 16 13-0037	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	17.05	2.70
		For Magnetic Surface, Add	*1.16*	
10 11 16 13-0038	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	14.70	1.76
		For Magnetic Surface, Add	*1.12*	
10 11 16 13-0039	SF	>24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	12.39	0.98
		For Magnetic Surface, Add	*1.04*	
10 11 16 13-0040		1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) *(10 11 16 13-0033)*		
		Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0041	SF	Up To 6 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	31.06	6.66
		For Magnetic Surface, Add	*1.77*	
10 11 16 13-0042	SF	>6 To 12 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	19.76	3.13
		For Magnetic Surface, Add	*1.35*	
10 11 16 13-0043	SF	>12 To 16 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	17.05	2.70
		For Magnetic Surface, Add	*1.16*	
10 11 16 13-0044	SF	>16 To 24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	14.70	1.76
		For Magnetic Surface, Add	*1.12*	
10 11 16 13-0045	SF	>24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	12.39	0.98
		For Magnetic Surface, Add	*1.04*	
10 11 16 13-0046		1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) *(10 11 16 13-0033)*		
		Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0047	SF	Up To 6 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	53.04	6.66
		For Magnetic Surface, Add	*3.97*	
10 11 16 13-0048	SF	>6 To 12 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	32.96	3.13
		For Magnetic Surface, Add	*2.67*	
10 11 16 13-0049	SF	>12 To 16 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	27.90	2.70
		For Magnetic Surface, Add	*2.25*	
10 11 16 13-0050	SF	>16 To 24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	23.28	1.76
		For Magnetic Surface, Add	*1.98*	
10 11 16 13-0051	SF	>24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	17.87	0.98
		For Magnetic Surface, Add	*1.59*	
10 11 16 13-0052		Nonporous, Non-Staining Markerboard Resurfacing Panels (EverWhite EverEZ Resurfacing Panels) *(10 11 16 13-0033)*		
		Note: Includes non-staining, permanent marker resistant, magnetic dry erase surface. Excludes frame. Resurfacing panel for mounting to existing chalkboard or markerboard consists of dry erase surface, 24-gauge treated steel interlayer and pressure-sensitive adhesive backing.		
10 11 16 13-0053	SF	Up To 16 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing	13.80	2.70
10 11 16 13-0054	SF	>16 To 24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing	11.47	1.76
10 11 16 13-0055	SF	>24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing	9.37	0.98
10 11 16 13-0056		Remove And Reinstall Markerboard *(10 11 16 13)*		
10 11 16 13-0057	EA	Up To 6 SF, Remove And Reinstall Markerboard	47.00	
10 11 16 13-0058	EA	>6 To 12 SF, Remove And Reinstall Markerboard	54.83	
10 11 16 13-0059	EA	>12 To 16 SF, Remove And Reinstall Markerboard	62.67	
10 11 16 13-0060	EA	>16 To 24 SF, Remove And Reinstall Markerboard	70.50	
10 11 16 13-0061	EA	>24 SF, Remove And Reinstall Markerboard	78.33	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 13-0062		Field Applied Markerboard And Accessories *(10 11 16 13)*		
10 11 16 13-0063		Markerboard Face Sheets And Panels *(10 11 16 13-0062)*		
10 11 16 13-0064	SF	Porcelain Enamel Steel Markerboard Face Sheet (Claridge LCS) Note: Includes porcelain enamel steel markerboard skin backed with double sided tape.	12.83	3.13
10 11 16 13-0065	SF	Porcelain Enamel Steel Markerboard Face Sheet With Double Sided Tape (Claridge LCS EZ Stick) Note: Includes porcelain enamel steel markerboard skin backed with double sided tape.	15.32	3.13
10 11 16 13-0066	SF	Porcelain Enamel Steel Markerboard Panel (Claridge LCS) Note: Includes porcelain enamel steel surface mounted on either 3/8" particle board or 1/4" hardboard core with an aluminum moisture barrier back.	15.26	3.13
10 11 16 13-0067	SF	Melamine Markerboard Panel (Claridge 1032) Note: Includes 1/4" thick melamine panel.	8.31	3.13
10 11 16 13-0068		Chalkboard And Markerboard Accessory Trays And Trim *(10 11 16 13-0062)* See CSI section 10 11 13 13-0026 for chalkboard and markerboard accessory trays and trim.		
10 11 16 33		**Rail-Mounted Markerboards** *(10 11 16)*		
10 11 16 33-0001		Horizontal Sliding, Porcelain Enamel Steel Markerboards (Claridge HS Series) *(10 11 16 33)*		
10 11 16 33-0002		Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0001)*		
10 11 16 33-0003	EA	4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	1,937.04	78.33
10 11 16 33-0004	EA	4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	2,174.24	78.33
10 11 16 33-0005	EA	4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	2,461.31	83.43
10 11 16 33-0006	EA	4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	2,738.19	83.43
10 11 16 33-0007	EA	4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,422.63	89.69
10 11 16 33-0008	EA	4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,641.87	89.69
10 11 16 33-0009	EA	4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,110.70	94.00
10 11 16 33-0010	EA	4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,658.80	94.00
10 11 16 33-0011		Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0001)*		
10 11 16 33-0012	EA	4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	2,668.47	78.33
10 11 16 33-0013	EA	4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,168.38	78.33
10 11 16 33-0014	EA	4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,625.55	83.43
10 11 16 33-0015	EA	4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,083.87	83.43
10 11 16 33-0016	EA	4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,656.80	89.69
10 11 16 33-0017	EA	4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,854.31	89.69
10 11 16 33-0018	EA	4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,692.62	94.00
10 11 16 33-0019	EA	4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	6,362.63	94.00
10 11 16 33-0020		Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0001)*		
10 11 16 33-0021	EA	4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	2,980.32	78.33
10 11 16 33-0022	EA	4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,387.62	78.33
10 11 16 33-0023	EA	4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,826.83	83.43
10 11 16 33-0024	EA	4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,295.55	83.43
10 11 16 33-0025	EA	4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,208.68	89.69
10 11 16 33-0026	EA	4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,419.41	89.69
10 11 16 33-0027	EA	4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	6,400.43	94.00
10 11 16 33-0028	EA	4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	7,167.77	94.00
10 11 16 33-0029		Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge TW Series) *(10 11 16 33)*		
10 11 16 33-0030		One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0029)*		
10 11 16 33-0031	EA	8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	2,318.82	78.33
10 11 16 33-0032	EA	8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	2,557.90	78.33
10 11 16 33-0033	EA	8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	2,793.95	83.43
10 11 16 33-0034	EA	8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,206.91	83.43
10 11 16 33-0035	EA	8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,503.90	89.69
10 11 16 33-0036	EA	8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,883.79	89.69
10 11 16 33-0037		Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0029)*		
10 11 16 33-0038	EA	8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,399.90	78.33
10 11 16 33-0039	EA	8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,767.50	78.33
10 11 16 33-0040	EA	8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,133.96	83.43
10 11 16 33-0041	EA	8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,807.75	83.43
10 11 16 33-0042	EA	8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,212.46	89.69
10 11 16 33-0043	EA	8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,821.04	89.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 33-0044		Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0029)*		
10 11 16 33-0045	EA	8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,646.36	78.33
10 11 16 33-0046	EA	8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,145.32	78.33
10 11 16 33-0047	EA	8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,643.13	83.43
10 11 16 33-0048	EA	8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	6,576.79	83.43
10 11 16 33-0049	EA	8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	7,100.57	89.69
10 11 16 33-0050	EA	8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	7,954.85	89.69
10 11 16 33-0051		Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge MO Series) *(10 11 16 33)*		
		Note: Excludes remotes.		
10 11 16 33-0052		One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0051)*		
10 11 16 33-0053	EA	10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	7,553.93	156.66
10 11 16 33-0054	EA	10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	7,762.78	156.66
10 11 16 33-0055	EA	10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	7,994.64	161.57
10 11 16 33-0056	EA	10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	8,375.47	161.57
10 11 16 33-0057	EA	10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	8,796.34	166.46
10 11 16 33-0058	EA	10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	9,163.00	166.46
10 11 16 33-0059	EA	10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	9,980.17	176.25
10 11 16 33-0060	EA	10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	10,067.11	176.25
10 11 16 33-0061		Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0051)*		
10 11 16 33-0062	EA	10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	11,904.71	156.66
10 11 16 33-0063	EA	10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	12,174.04	156.66
10 11 16 33-0064	EA	10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	12,474.89	161.57
10 11 16 33-0065	EA	10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	13,023.93	161.57
10 11 16 33-0066	EA	10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	13,567.64	166.46
10 11 16 33-0067	EA	10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	14,087.40	166.46
10 11 16 33-0068	EA	10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	15,179.56	176.25
10 11 16 33-0069	EA	10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	15,309.03	176.25
10 11 16 33-0070		Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0051)*		
10 11 16 33-0071	EA	10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	15,470.20	156.66
10 11 16 33-0072	EA	10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	16,170.44	156.66
10 11 16 33-0073	EA	10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	16,525.15	161.57
10 11 16 33-0074	EA	10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	17,231.07	161.57
10 11 16 33-0075	EA	10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	17,974.18	166.46
10 11 16 33-0076	EA	10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	18,688.60	166.46
10 11 16 33-0077	EA	10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	20,152.15	176.25
10 11 16 33-0078	EA	10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	20,390.29	176.25
10 11 16 33-0079		Sliding Chalkboard And Markerboard Accessories *(10 11 16 33)*		
		See CSI section 10 11 13 33-0079 for sliding chalkboard and markerboard accessories.		
10 11 23		**Tackboards** *(10 11)*		
10 11 23 13		**Fixed Tackboards** *(10 11 23)*		
		Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.		
10 11 23 13-0001		Fixed Tackboards *(10 11 23 13)*		
		Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.		
10 11 23 13-0002		Cork Surface, Fixed Tackboards *(10 11 23 13-0001)*		
		Note: Includes up to 1/4" cork surface, unmounted or mounted on duracore or hardboard.		
10 11 23 13-0003		5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 800 Series) *(10 11 23 13-0002)*		
10 11 23 13-0004	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	26.00	6.66
10 11 23 13-0005	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	15.08	3.13
10 11 23 13-0006	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	13.09	2.70
10 11 23 13-0007	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	10.61	1.76
10 11 23 13-0008	SF	>24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	8.87	0.98
10 11 23 13-0009		1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 900A Series) *(10 11 23 13-0002)*		
10 11 23 13-0010	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	27.50	6.66
10 11 23 13-0011	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	15.77	3.13
10 11 23 13-0012	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	12.73	2.70
10 11 23 13-0013	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	10.06	1.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 23 13-0014	SF	>24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	8.01	0.98
10 11 23 13-0015		1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboards (Claridge 700 Series) *(10 11 23 13-0002)*		
10 11 23 13-0016	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	27.65	6.66
10 11 23 13-0017	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	17.23	3.13
10 11 23 13-0018	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	16.04	2.70
10 11 23 13-0019	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	12.46	1.76
10 11 23 13-0020	SF	>24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	10.02	0.98
10 11 23 13-0021		Burlap Backed Cork Surface, Fixed Tackboards *(10 11 23 13-0001)* Note: Includes burlap backed 1/4" self healing cork surface, unmounted or mounted on hardboard.		
10 11 23 13-0022		5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 800 Series) *(10 11 23 13-0021)*		
10 11 23 13-0023	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	30.33	6.66
10 11 23 13-0024	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	20.28	3.13
10 11 23 13-0025	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	18.58	2.70
10 11 23 13-0026	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	16.12	1.76
10 11 23 13-0027	SF	>24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	14.48	0.98
10 11 23 13-0028		1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 700 Series) *(10 11 23 13-0021)*		
10 11 23 13-0029	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	33.95	6.66
10 11 23 13-0030	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	24.15	3.13
10 11 23 13-0031	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	22.48	2.70
10 11 23 13-0032	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	18.96	1.76
10 11 23 13-0033	SF	>24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	16.55	0.98
10 11 23 13-0034		Polyester Fabric Surface, Fixed Tackboards *(10 11 23 13-0001)* Note: Includes polyester fabric on cork underlay, unmounted or mounted on duracore. Class A rating.		
10 11 23 13-0035		5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 800 Series) *(10 11 23 13-0034)*		
10 11 23 13-0036	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	27.02	6.66
10 11 23 13-0037	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	16.34	3.13
10 11 23 13-0038	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	14.51	2.70
10 11 23 13-0039	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	12.06	1.76
10 11 23 13-0040	SF	>24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	10.17	0.98
10 11 23 13-0041		1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 700 Series) *(10 11 23 13-0034)*		
10 11 23 13-0042	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	29.07	6.66
10 11 23 13-0043	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	19.00	3.13
10 11 23 13-0044	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	17.69	2.70
10 11 23 13-0045	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	14.27	1.76
10 11 23 13-0046	SF	>24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	11.91	0.98
10 11 23 13-0047		Vinyl Fabric Surface, Fixed Tackboards *(10 11 23 13-0001)* Note: Includes vinyl fabric on cork underlay, unmounted or mounted on duracore.		
10 11 23 13-0048		5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 800 Series) *(10 11 23 13-0047)*		
10 11 23 13-0049	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	26.00	6.66
10 11 23 13-0050	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	15.16	3.13
10 11 23 13-0051	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	13.21	2.70
10 11 23 13-0052	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	10.61	1.76
10 11 23 13-0053	SF	>24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	8.69	0.98
10 11 23 13-0054		1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 700 Series) *(10 11 23 13-0047)*		
10 11 23 13-0055	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	27.65	6.66
10 11 23 13-0056	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	17.96	3.13
10 11 23 13-0057	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	16.04	2.70
10 11 23 13-0058	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	12.46	1.76
10 11 23 13-0059	SF	4' x 8', 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	10.02	0.98
10 12		**Display Cases** *(10 10)*		
10 12 00 00-0001		Counter Display Cases *(10 12)*		
10 12 00 00-0002	EA	30" x 12" x 36" Counter Display Cases	907.57	120.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 12 00 00-0003	EA	30" x 12" x 48" Counter Display Cases	975.64	120.01
10 12 00 00-0004	EA	30" x 18" x 36" Counter Display Cases	947.91	120.01
10 12 00 00-0005	EA	30" x 18" x 48" Counter Display Cases	909.61	53.34

10 12 00 00-0006 Upright Display Case *(10 12)*

10 12 00 00-0007	EA	72 In x 20 In x 70 In Upright Display Case	1,830.92	120.01

10 12 00 00-0008 Full Vision Display Case *(10 12)*

10 12 00 00-0009	EA	38 In x 20 In x 70 In Full Vision Display Case	1,215.33	120.01

10 13 Directories *(10 10)*

10 13 16 Directory And Bulletin Boards *(10 13)*

Note: Select task based off the square footage of an individual directory or bulletin board. For example use the >12 To 16 SF range for each 3' x 5' directory or bulletin board.

10 13 16 00-0001 Wall Mounted Directories *(10 13 16)*

Note: Includes changeable letters.

10 13 16 00-0002 Open Face, Wall Mounted Directories *(10 13 16 00-0001)*

Note: Includes vinyl or felt back panel.

10 13 16 00-0003 Wood Frame, Open Face, Wall Mounted Directories (Claridge 350 Series) *(10 13 16 00-0002)*

10 13 16 00-0004	SF	Up To 6 SF, Wood Frame, Open Face, Wall Mounted Directory	45.14	6.66
10 13 16 00-0005	SF	>6 To 12 SF, Wood Frame, Open Face, Wall Mounted Directory	30.12	3.13
10 13 16 00-0006	SF	>12 To 16 SF, Wood Frame, Open Face, Wall Mounted Directory	27.46	2.70
10 13 16 00-0007	SF	>16 To 24 SF, Wood Frame, Open Face, Wall Mounted Directory	21.12	1.76
10 13 16 00-0008	SF	>24 SF, Wood Frame, Open Face, Wall Mounted Directory	17.08	0.98

10 13 16 00-0009 Aluminum Frame, Open Face, Wall Mounted Directories (Claridge 432 Series) *(10 13 16 00-0002)*

10 13 16 00-0010	SF	Up To 6 SF, Aluminum Frame, Open Face, Wall Mounted Directory	45.61	6.66
		For Bronze Anodize Finish, Add	*12.00*	
10 13 16 00-0011	SF	>6 To 12 SF, Aluminum Frame, Open Face, Wall Mounted Directory	30.44	3.13
		For Bronze Anodize Finish, Add	*12.00*	
10 13 16 00-0012	SF	>12 To 16 SF, Aluminum Frame, Open Face, Wall Mounted Directory	28.09	2.70
		For Bronze Anodize Finish, Add	*12.00*	
10 13 16 00-0013	SF	>16 To 24 SF, Aluminum Frame, Open Face, Wall Mounted Directory	20.10	1.76
		For Bronze Anodize Finish, Add	*12.00*	
10 13 16 00-0014	SF	>24 SF, Aluminum Frame, Open Face, Wall Mounted Directory	17.55	0.98
		For Bronze Anodize Finish, Add	*12.00*	

10 13 16 00-0015 Glass Encased, Wall Mounted Directory Cabinets *(10 13 16 00-0001)*

Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.

10 13 16 00-0016 Wood Frame, Glass Encased, Wall Mounted Directory Cabinets *(10 13 16 00-0015)*

10 13 16 00-0017 Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 3052 Series) *(10 13 16 00-0016)*

10 13 16 00-0018	SF	Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	116.17	6.66
		For Fluorescent Lights, Add	*15.00*	
10 13 16 00-0019	SF	>6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	94.22	3.13
		For Fluorescent Lights, Add	*15.00*	
10 13 16 00-0020	SF	>12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	78.88	2.70
		For Fluorescent Lights, Add	*15.00*	
10 13 16 00-0021	SF	>16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	73.41	1.76
		For Fluorescent Lights, Add	*15.00*	
10 13 16 00-0022	SF	>24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	66.69	0.98
		For Fluorescent Lights, Add	*15.00*	

10 13 16 00-0023 Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 345 Series) *(10 13 16 00-0016)*

10 13 16 00-0024	SF	Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	99.47	6.66
		For Fluorescent Lights, Add	*15.00*	
10 13 16 00-0025	SF	>12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	81.51	2.70
		For Fluorescent Lights, Add	*15.00*	
10 13 16 00-0026	SF	>16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	58.53	1.76
		For Fluorescent Lights, Add	*15.00*	
10 13 16 00-0027	SF	>24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	52.99	0.98
		For Fluorescent Lights, Add	*15.00*	

10 13 16 00-0028 Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets *(10 13 16 00-0015)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 16 00-0029		Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series) *(10 13 16 00-0028)*		
10 13 16 00-0030	SF	Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	103.65	6.66
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*18.07*	
10 13 16 00-0031	SF	>6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	81.24	3.13
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*15.00*	
10 13 16 00-0032	SF	>12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	68.74	2.70
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*12.67*	
10 13 16 00-0033	SF	>16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	50.62	1.76
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*9.42*	
10 13 16 00-0034	SF	>24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	47.56	0.98
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*9.12*	
10 13 16 00-0035		Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series) *(10 13 16 00-0028)*		
10 13 16 00-0036	SF	Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	161.46	6.66
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*29.63*	
10 13 16 00-0037	SF	>6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	94.16	3.13
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*17.58*	
10 13 16 00-0038	SF	>12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	79.31	2.70
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*14.78*	
10 13 16 00-0039	SF	>16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	61.29	1.76
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*11.55*	
10 13 16 00-0040	SF	>24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	57.01	0.98
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*11.01*	
10 13 16 00-0041		Outdoor, Glass Encased, Wall Mounted Directory Cabinets *(10 13 16 00-0001)* Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 16 00-0042		Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets *(10 13 16 00-0041)*		
10 13 16 00-0043		Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets (Claridge 548 Series) *(10 13 16 00-0042)*		
10 13 16 00-0044	SF	Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet	158.54	6.66
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
10 13 16 00-0045	SF	>6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet	106.52	3.13
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
10 13 16 00-0046	SF	>12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet	103.69	2.70
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
10 13 16 00-0047		Wall Mounted Bulletin Boards *(10 13 16)*		
10 13 16 00-0048		Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 16 00-0047)* Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 16 00-0049		Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 16 00-0048)*		
10 13 16 00-0050		Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 3070 Series) *(10 13 16 00-0049)*		
10 13 16 00-0051	SF	Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	113.33	6.66
		For Fluorescent Lights, Add	*15.00*	
10 13 16 00-0052	SF	>6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	92.10	3.13
		For Fluorescent Lights, Add	*15.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 16 00-0053	SF	>12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	76.76	2.70
		For Fluorescent Lights, Add	*15.00*	
10 13 16 00-0054	SF	>16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	71.40	1.76
		For Fluorescent Lights, Add	*15.00*	
10 13 16 00-0055	SF	>24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	65.75	0.98
		For Fluorescent Lights, Add	*15.00*	

10 13 16 00-0056 Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 310 Series) *(10 13 16 00-0049)*

10 13 16 00-0057	SF	Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	94.43	6.66
		For Fluorescent Lights, Add	*15.00*	
10 13 16 00-0058	SF	>12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	76.73	2.70
		For Fluorescent Lights, Add	*15.00*	
10 13 16 00-0059	SF	>16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	54.83	1.76
		For Fluorescent Lights, Add	*15.00*	
10 13 16 00-0060	SF	>24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	50.16	0.98
		For Fluorescent Lights, Add	*15.00*	

10 13 16 00-0061 Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 16 00-0048)*

10 13 16 00-0062 Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series) *(10 13 16 00-0061)*

10 13 16 00-0063	SF	Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	106.24	6.66
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*18.58*	
10 13 16 00-0064	SF	>6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	83.83	3.13
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*15.51*	
10 13 16 00-0065	SF	>12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	71.32	2.70
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*13.18*	
10 13 16 00-0066	SF	>16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	53.21	1.76
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*9.94*	
10 13 16 00-0067	SF	>24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	50.16	0.98
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*9.64*	

10 13 16 00-0068 Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series) *(10 13 16 00-0061)*

10 13 16 00-0069	SF	Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	164.05	6.66
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*30.15*	
10 13 16 00-0070	SF	>6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	96.74	3.13
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*18.10*	
10 13 16 00-0071	SF	>12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	81.90	2.70
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*15.30*	
10 13 16 00-0072	SF	>16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	63.88	1.76
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*12.07*	
10 13 16 00-0073	SF	>24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	59.60	0.98
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*11.53*	

10 13 16 00-0074 Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 16 00-0047)*

Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.

10 13 16 00-0075 Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 16 00-0074)*

10 13 16 00-0076 Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 16 00-0075)*

10 13 16 00-0077	SF	Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet	155.95	6.66
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 16 00-0078	SF	>6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet	103.93	3.13
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
10 13 16 00-0079	SF	>12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet	101.13	2.70
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	

10 14 Signage *(10 10)*

10 14 16 Plaques *(10 14)*

Note: Price includes custom lettering and emblem casting sizes one to four SF each.

10 14 16 00-0001 Metal Cased Plaque *(10 14 16)*

10 14 16 00-0002	SF	Bronze Cast Plaque With lettering Including Emblem Size 1-4 SF Each	520.53	19.57
		For >5 To 10, Deduct	*-56.48*	
		For >10 Each, Deduct	*-100.70*	
10 14 16 00-0003	SF	Aluminum Cast Plaque With lettering Including Emblem Size 1-4 SF Each	318.15	19.57
		For >5 To 10, Deduct	*-34.21*	
		For >10 Each, Deduct	*-58.20*	

10 14 16 00-0004 Metal Engraved Plaque, Etched *(10 14 16)*

10 14 16 00-0005	SF	Porcelainized Steel Engraved Plaque Including Emblem Size 1-4 SF Each	350.81	19.57
		For >5 To 10, Deduct	*-37.81*	
		For >10 Each, Deduct	*-65.06*	
10 14 16 00-0006	SF	Stainless Steel Engraved Plaque Including Emblem Size 1-4 SF Each	326.03	19.57
		For >5 To 10, Deduct	*-35.08*	
		For >10 Each, Deduct	*-59.85*	
10 14 16 00-0007	SF	Brass Engraved Plaque Including Emblem Size 1-4 SF Each	219.06	19.57
		For >5 To 10, Deduct	*-23.31*	
		For >10 Each, Deduct	*-37.39*	
10 14 16 00-0008	SF	Aluminum Engraved Plaque Including Emblem Size 1-4 SF Each	211.18	19.57
		For >5 To 10, Deduct	*-22.45*	
		For >10 Each, Deduct	*-35.73*	

10 14 16 00-0009 Metal Built-Up Plaque *(10 14 16)*

10 14 16 00-0010	SF	Bronze Built-up Plaque Including Emblem Size 1-4 SF Each	381.80	24.28
		For >5 To 10, Deduct	*-41.02*	
		For >10 Each, Deduct	*-69.41*	
10 14 16 00-0011	SF	Copper And Bronze Built-up Plaque Including Emblem Size 1-4 SF Each	390.40	24.28
		For >5 To 10, Deduct	*-41.97*	
		For >10 Each, Deduct	*-71.22*	
10 14 16 00-0012	SF	Copper And Aluminum Built-up Plaque Including Emblem Size 1-4 SF Each	353.50	24.28
		For >5 To 10, Deduct	*-37.91*	
		For >10 Each, Deduct	*-63.47*	
10 14 16 00-0013	SF	Bronze Built-up Dedication Plaque Including Raised Bronze Lettering, (2'-3" x 3'-8-1/4")	449.24	48.94
		For >5 To 10, Deduct	*-48.44*	
		For >10 Each, Deduct	*-83.57*	
10 14 16 00-0014	SF	Bronze Built-up Plaque Including Raised Bronze Lettering (3' x 9")	377.54	48.94
		For >5 To 10, Deduct	*-40.55*	
		For >10 Each, Deduct	*-68.52*	

10 14 16 00-0015 Metal Nameplate Plaques *(10 14 16)*

10 14 16 00-0016	SF	Cast Bronze Nameplate Plaque Including Emblem Size 1-4 SF Each	195.61	13.32
		For >5 To 10, Deduct	*-20.99*	
		For >10 Each, Deduct	*-35.33*	
10 14 16 00-0017	SF	Cast Aluminum Nameplate Plaque Including Emblem Size 1-4 SF Each	249.28	13.32
		For >5 To 10, Deduct	*-26.90*	
		For >10 Each, Deduct	*-46.60*	
10 14 16 00-0018	EA	1-1/2" x 6" Engraved Bronze Nameplate Including Emblem Size 1-4 SF Each	138.26	13.32
		For >5 To 10, Deduct	*-14.69*	
		For >10 Each, Deduct	*-23.29*	
10 14 16 00-0019	EA	1-1/2" x 6" Engraved Aluminum Nameplate Including Emblem Size 1-4 SF Each	119.78	13.32
		For >5 To 10, Deduct	*-12.65*	
		For >10 Each, Deduct	*-19.41*	
10 14 16 00-0020	SF	Bronze Built-up Plaque Including Raised Bronze Lettering (3' x 9")	367.29	48.94
		For >5 To 10, Deduct	*-39.42*	
		For >10 Each, Deduct	*-66.36*	

10 14 19 Dimensional Letter Signage *(10 14)*

Note: Mounted on masonry or concrete.

10 14 19 00-0001 Cast Characters *(10 14 19)*

10 14 19 00-0002 Satin Finish, Cast Aluminum Characters *(10 14 19 00-0001)*

10 14 19 00-0003	EA	2" High x 3/8" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	35.43	4.89
		For Installation With Adhesive, Deduct	*-3.73*	
		For Clear Anodized, Add	*1.59*	
		For Satin Face And Enameled Return, Add	*4.76*	
		For Patina Finish, Add	*6.34*	
		For Color Anodized, Add	*7.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0004	EA	3" High x 1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	41.88	5.28
		For Installation With Adhesive, Deduct	*-4.21*	
		For Clear Anodized, Add	*2.07*	
		For Satin Face And Enameled Return, Add	*6.22*	
		For Patina Finish, Add	*8.29*	
		For Color Anodized, Add	*10.37*	
10 14 19 00-0005	EA	4" High x 5/8" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	45.87	5.68
		For Installation With Adhesive, Deduct	*-4.56*	
		For Clear Anodized, Add	*2.32*	
		For Satin Face And Enameled Return, Add	*6.95*	
		For Patina Finish, Add	*9.27*	
		For Color Anodized, Add	*11.59*	
10 14 19 00-0006	EA	5" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	52.66	6.50
		For Installation With Adhesive, Deduct	*-5.22*	
		For Clear Anodized, Add	*2.68*	
		For Satin Face And Enameled Return, Add	*8.05*	
		For Patina Finish, Add	*10.73*	
		For Color Anodized, Add	*13.42*	
10 14 19 00-0007	EA	6" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	57.90	6.85
		For Installation With Adhesive, Deduct	*-5.64*	
		For Clear Anodized, Add	*3.05*	
		For Satin Face And Enameled Return, Add	*9.15*	
		For Patina Finish, Add	*12.20*	
		For Color Anodized, Add	*15.25*	
10 14 19 00-0008	EA	8" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	69.13	7.83
		For Installation With Adhesive, Deduct	*-6.59*	
		For Clear Anodized, Add	*3.78*	
		For Satin Face And Enameled Return, Add	*11.34*	
		For Patina Finish, Add	*15.12*	
		For Color Anodized, Add	*18.91*	
10 14 19 00-0009	EA	9" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	76.80	8.22
		For Installation With Adhesive, Deduct	*-7.13*	
		For Clear Anodized, Add	*4.39*	
		For Satin Face And Enameled Return, Add	*13.17*	
		For Patina Finish, Add	*17.56*	
		For Color Anodized, Add	*21.96*	
10 14 19 00-0010	EA	10" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	87.68	8.81
		For Installation With Adhesive, Deduct	*-7.91*	
		For Clear Anodized, Add	*5.25*	
		For Satin Face And Enameled Return, Add	*15.74*	
		For Patina Finish, Add	*20.98*	
		For Color Anodized, Add	*26.23*	
10 14 19 00-0011	EA	12" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	106.58	10.17
		For Installation With Adhesive, Deduct	*-9.40*	
		For Clear Anodized, Add	*6.59*	
		For Satin Face And Enameled Return, Add	*19.76*	
		For Patina Finish, Add	*26.34*	
		For Color Anodized, Add	*32.93*	
10 14 19 00-0012	EA	14" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	127.48	11.75
		For Installation With Adhesive, Deduct	*-11.07*	
		For Clear Anodized, Add	*8.05*	
		For Satin Face And Enameled Return, Add	*24.15*	
		For Patina Finish, Add	*32.20*	
		For Color Anodized, Add	*40.25*	
10 14 19 00-0013	EA	15" High x 1-1/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	140.04	13.05
		For Installation With Adhesive, Deduct	*-12.22*	
		For Clear Anodized, Add	*8.78*	
		For Satin Face And Enameled Return, Add	*26.35*	
		For Patina Finish, Add	*35.13*	
		For Color Anodized, Add	*43.91*	
10 14 19 00-0014	EA	16" High x 1-1/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	156.39	14.09
		For Installation With Adhesive, Deduct	*-13.46*	
		For Clear Anodized, Add	*10.00*	
		For Satin Face And Enameled Return, Add	*30.00*	
		For Patina Finish, Add	*40.00*	
		For Color Anodized, Add	*50.01*	
10 14 19 00-0015	EA	18" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	189.49	15.66
		For Installation With Adhesive, Deduct	*-15.74*	
		For Clear Anodized, Add	*12.69*	
		For Satin Face And Enameled Return, Add	*38.06*	
		For Patina Finish, Add	*50.74*	
		For Color Anodized, Add	*63.43*	
10 14 19 00-0016	EA	20" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	229.03	17.62
		For Installation With Adhesive, Deduct	*-18.50*	
		For Clear Anodized, Add	*15.86*	
		For Satin Face And Enameled Return, Add	*47.57*	
		For Patina Finish, Add	*63.42*	
		For Color Anodized, Add	*79.28*	
10 14 19 00-0017	EA	24" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	275.89	19.57
		For Installation With Adhesive, Deduct	*-21.62*	
		For Clear Anodized, Add	*19.76*	
		For Satin Face And Enameled Return, Add	*59.28*	
		For Patina Finish, Add	*79.04*	
		For Color Anodized, Add	*98.80*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0018			**Satin Finish, Cast Bronze Characters** *(10 14 19 00-0001)*		
10 14 19 00-0019		EA	2" High x 3/8" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	45.35	5.38
			For Installation With Adhesive, Deduct	*-4.42*	
			For Oxidized Finish, Add	*3.57*	
			For Polished Or Patina Finish, Add	*7.14*	
10 14 19 00-0020		EA	3" High x 1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	65.45	5.88
			For Installation With Adhesive, Deduct	*-5.62*	
			For Oxidized Finish, Add	*6.29*	
			For Polished Or Patina Finish, Add	*12.59*	
10 14 19 00-0021		EA	4" High x 5/8" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	71.55	6.26
			For Installation With Adhesive, Deduct	*-6.08*	
			For Oxidized Finish, Add	*6.97*	
			For Polished Or Patina Finish, Add	*13.95*	
10 14 19 00-0022		EA	5" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	87.16	7.04
			For Installation With Adhesive, Deduct	*-7.18*	
			For Oxidized Finish, Add	*8.85*	
			For Polished Or Patina Finish, Add	*17.69*	
10 14 19 00-0023		EA	6" High x 1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	97.05	7.52
			For Installation With Adhesive, Deduct	*-7.87*	
			For Oxidized Finish, Add	*10.04*	
			For Polished Or Patina Finish, Add	*20.07*	
10 14 19 00-0024		EA	8" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	129.71	8.62
			For Installation With Adhesive, Deduct	*-9.93*	
			For Oxidized Finish, Add	*14.29*	
			For Polished Or Patina Finish, Add	*28.58*	
10 14 19 00-0025		EA	9" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	148.29	9.01
			For Installation With Adhesive, Deduct	*-11.02*	
			For Oxidized Finish, Add	*16.84*	
			For Polished Or Patina Finish, Add	*33.68*	
10 14 19 00-0026		EA	10" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	166.16	9.79
			For Installation With Adhesive, Deduct	*-12.22*	
			For Oxidized Finish, Add	*19.05*	
			For Polished Or Patina Finish, Add	*38.10*	
10 14 19 00-0027		EA	12" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	197.38	11.35
			For Installation With Adhesive, Deduct	*-14.41*	
			For Oxidized Finish, Add	*22.79*	
			For Polished Or Patina Finish, Add	*45.59*	
10 14 19 00-0028		EA	14" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	231.99	12.92
			For Installation With Adhesive, Deduct	*-16.77*	
			For Oxidized Finish, Add	*27.05*	
			For Polished Or Patina Finish, Add	*54.09*	
10 14 19 00-0029		EA	15" High x 1-1/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	274.70	15.66
			For Installation With Adhesive, Deduct	*-20.00*	
			For Oxidized Finish, Add	*31.81*	
			For Polished Or Patina Finish, Add	*63.62*	
10 14 19 00-0030		EA	16" High x 1-1/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	285.07	16.84
			For Installation With Adhesive, Deduct	*-20.99*	
			For Oxidized Finish, Add	*32.66*	
			For Polished Or Patina Finish, Add	*65.32*	
10 14 19 00-0031		EA	18" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	406.03	19.57
			For Installation With Adhesive, Deduct	*-28.13*	
			For Oxidized Finish, Add	*49.16*	
			For Polished Or Patina Finish, Add	*98.32*	
10 14 19 00-0032		EA	20" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	489.53	22.03
			For Installation With Adhesive, Deduct	*-33.29*	
			For Oxidized Finish, Add	*60.22*	
			For Polished Or Patina Finish, Add	*120.43*	
10 14 19 00-0033		EA	24" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	623.43	25.45
			For Installation With Adhesive, Deduct	*-41.35*	
			For Oxidized Finish, Add	*78.25*	
			For Polished Or Patina Finish, Add	*156.49*	
10 14 19 00-0034			**Molded Characters** *(10 14 19)*		
10 14 19 00-0035			**Molded Plastic Characters** *(10 14 19 00-0034)*		
10 14 19 00-0036		EA	4" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	25.29	3.91
			For Installation With Adhesive, Deduct	*-2.83*	
10 14 19 00-0037		EA	5" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	27.44	4.31
			For Installation With Adhesive, Deduct	*-3.10*	
10 14 19 00-0038		EA	6" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	30.26	4.70
			For Installation With Adhesive, Deduct	*-3.39*	
10 14 19 00-0039		EA	8" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	37.98	5.09
			For Installation With Adhesive, Deduct	*-3.94*	
10 14 19 00-0040		EA	9" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	41.02	5.49
			For Installation With Adhesive, Deduct	*-4.24*	
10 14 19 00-0041		EA	10" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	44.38	5.88
			For Installation With Adhesive, Deduct	*-4.57*	
10 14 19 00-0042		EA	12" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	51.73	6.85
			For Installation With Adhesive, Deduct	*-5.33*	
10 14 19 00-0043		EA	15" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	67.81	8.62
			For Installation With Adhesive, Deduct	*-6.84*	
10 14 19 00-0044		EA	18" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	85.69	10.17
			For Installation With Adhesive, Deduct	*-8.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0045	EA	24" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	124.74	12.53
		For Installation With Adhesive, Deduct	*-11.25*	
10 14 19 00-0046	EA	30" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	181.95	14.68
		For Installation With Adhesive, Deduct	*-14.97*	
10 14 19 00-0047	EA	36" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	236.82	16.84
		For Installation With Adhesive, Deduct	*-18.58*	
10 14 19 00-0048	EA	48" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	435.44	22.51
		For Installation With Adhesive, Deduct	*-30.78*	
10 14 19 00-0049		Cutout Characters *(10 14 19)*		
10 14 19 00-0050		Satin Finish, Aluminum Characters *(10 14 19 00-0049)*		
10 14 19 00-0051		1/4" Deep, Satin Finish, Aluminum Characters *(10 14 19 00-0050)*		
10 14 19 00-0052	EA	2" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	32.99	4.89
		For Installation With Adhesive, Deduct	*-3.61*	
		For Clear Anodized, Add	*1.34*	
		For Satin Face And Enameled Return, Add	*4.70*	
		For Color Anodized, Add	*6.71*	
		For Polished Or Patina Finish, Add	*6.71*	
		For Polished Anodized Finish, Add	*10.07*	
10 14 19 00-0053	EA	4" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	45.87	5.68
		For Installation With Adhesive, Deduct	*-4.56*	
		For Clear Anodized, Add	*2.32*	
		For Satin Face And Enameled Return, Add	*8.11*	
		For Color Anodized, Add	*11.59*	
		For Polished Or Patina Finish, Add	*11.59*	
		For Polished Anodized Finish, Add	*17.38*	
10 14 19 00-0054	EA	6" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	61.56	6.85
		For Installation With Adhesive, Deduct	*-5.82*	
		For Clear Anodized, Add	*3.42*	
		For Satin Face And Enameled Return, Add	*11.95*	
		For Color Anodized, Add	*17.08*	
		For Polished Or Patina Finish, Add	*17.08*	
		For Polished Anodized Finish, Add	*25.61*	
10 14 19 00-0055	EA	8" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	75.23	7.83
		For Installation With Adhesive, Deduct	*-6.89*	
		For Clear Anodized, Add	*4.39*	
		For Satin Face And Enameled Return, Add	*15.37*	
		For Color Anodized, Add	*21.96*	
		For Polished Or Patina Finish, Add	*21.96*	
		For Polished Anodized Finish, Add	*32.93*	
10 14 19 00-0056	EA	10" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	86.46	8.81
		For Installation With Adhesive, Deduct	*-7.85*	
		For Clear Anodized, Add	*5.12*	
		For Satin Face And Enameled Return, Add	*17.93*	
		For Color Anodized, Add	*25.62*	
		For Polished Or Patina Finish, Add	*25.62*	
		For Polished Anodized Finish, Add	*38.42*	
10 14 19 00-0057	EA	12" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	99.26	10.17
		For Installation With Adhesive, Deduct	*-9.04*	
		For Clear Anodized, Add	*5.85*	
		For Satin Face And Enameled Return, Add	*20.49*	
		For Color Anodized, Add	*29.27*	
		For Polished Or Patina Finish, Add	*29.27*	
		For Polished Anodized Finish, Add	*43.91*	
10 14 19 00-0058	EA	14" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	116.50	11.75
		For Installation With Adhesive, Deduct	*-10.52*	
		For Clear Anodized, Add	*6.95*	
		For Satin Face And Enameled Return, Add	*24.33*	
		For Color Anodized, Add	*34.76*	
		For Polished Or Patina Finish, Add	*34.76*	
		For Polished Anodized Finish, Add	*52.14*	
10 14 19 00-0059	EA	16" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	138.10	14.09
		For Installation With Adhesive, Deduct	*-12.54*	
		For Clear Anodized, Add	*8.17*	
		For Satin Face And Enameled Return, Add	*28.60*	
		For Color Anodized, Add	*40.86*	
		For Polished Or Patina Finish, Add	*40.86*	
		For Polished Anodized Finish, Add	*61.29*	
10 14 19 00-0060	EA	18" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	155.34	15.66
		For Installation With Adhesive, Deduct	*-14.03*	
		For Clear Anodized, Add	*9.27*	
		For Satin Face And Enameled Return, Add	*32.45*	
		For Color Anodized, Add	*46.35*	
		For Polished Or Patina Finish, Add	*46.35*	
		For Polished Anodized Finish, Add	*69.53*	
10 14 19 00-0061	EA	20" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	186.34	17.62
		For Installation With Adhesive, Deduct	*-16.36*	
		For Clear Anodized, Add	*11.59*	
		For Satin Face And Enameled Return, Add	*40.55*	
		For Color Anodized, Add	*57.94*	
		For Polished Or Patina Finish, Add	*57.94*	
		For Polished Anodized Finish, Add	*86.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0062	EA	22" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	213.43	18.60
		For Installation With Adhesive, Deduct	*-18.11*	
		For Clear Anodized, Add	*13.90*	
		For Satin Face And Enameled Return, Add	*48.66*	
		For Color Anodized, Add	*69.52*	
		For Polished Or Patina Finish, Add	*69.52*	
		For Polished Anodized Finish, Add	*104.28*	
10 14 19 00-0063	EA	24" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	263.69	19.57
		For Installation With Adhesive, Deduct	*-21.01*	
		For Clear Anodized, Add	*18.54*	
		For Satin Face And Enameled Return, Add	*64.89*	
		For Color Anodized, Add	*92.70*	
		For Polished Or Patina Finish, Add	*92.70*	
		For Polished Anodized Finish, Add	*139.04*	
10 14 19 00-0064	EA	30" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	376.52	23.49
		For Installation With Adhesive, Deduct	*-28.22*	
		For Clear Anodized, Add	*28.26*	
		For Satin Face And Enameled Return, Add	*98.90*	
		For Color Anodized, Add	*141.28*	
		For Polished Or Patina Finish, Add	*141.28*	
		For Polished Anodized Finish, Add	*211.92*	

10 14 19 00-0065 3/8" Deep, Satin Finish, Aluminum Characters *(10 14 19 00-0050)*

10 14 19 00-0066	EA	2" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	41.57	4.89
		For Installation With Adhesive, Deduct	*-4.04*	
		For Clear Anodized, Add	*2.20*	
		For Satin Face And Enameled Return, Add	*7.70*	
		For Color Anodized, Add	*11.00*	
		For Polished Or Patina Finish, Add	*11.00*	
		For Polished Anodized Finish, Add	*16.50*	
10 14 19 00-0067	EA	4" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	59.31	5.68
		For Installation With Adhesive, Deduct	*-5.24*	
		For Clear Anodized, Add	*3.66*	
		For Satin Face And Enameled Return, Add	*12.81*	
		For Color Anodized, Add	*18.31*	
		For Polished Or Patina Finish, Add	*18.31*	
		For Polished Anodized Finish, Add	*27.46*	
10 14 19 00-0068	EA	6" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	74.88	6.85
		For Installation With Adhesive, Deduct	*-6.49*	
		For Clear Anodized, Add	*4.75*	
		For Satin Face And Enameled Return, Add	*16.61*	
		For Color Anodized, Add	*23.74*	
		For Polished Or Patina Finish, Add	*23.74*	
		For Polished Anodized Finish, Add	*35.60*	
10 14 19 00-0069	EA	8" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	93.67	7.83
		For Installation With Adhesive, Deduct	*-7.82*	
		For Clear Anodized, Add	*6.24*	
		For Satin Face And Enameled Return, Add	*21.82*	
		For Color Anodized, Add	*31.18*	
		For Polished Or Patina Finish, Add	*31.18*	
		For Polished Anodized Finish, Add	*46.76*	
10 14 19 00-0070	EA	10" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	108.48	8.81
		For Installation With Adhesive, Deduct	*-8.95*	
		For Clear Anodized, Add	*7.33*	
		For Satin Face And Enameled Return, Add	*25.64*	
		For Color Anodized, Add	*36.63*	
		For Polished Or Patina Finish, Add	*36.63*	
		For Polished Anodized Finish, Add	*54.94*	
10 14 19 00-0071	EA	12" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	127.37	10.17
		For Installation With Adhesive, Deduct	*-10.44*	
		For Clear Anodized, Add	*8.67*	
		For Satin Face And Enameled Return, Add	*30.33*	
		For Color Anodized, Add	*43.33*	
		For Polished Or Patina Finish, Add	*43.33*	
		For Polished Anodized Finish, Add	*64.99*	
10 14 19 00-0072	EA	14" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	149.18	11.75
		For Installation With Adhesive, Deduct	*-12.16*	
		For Clear Anodized, Add	*10.22*	
		For Satin Face And Enameled Return, Add	*35.77*	
		For Color Anodized, Add	*51.10*	
		For Polished Or Patina Finish, Add	*51.10*	
		For Polished Anodized Finish, Add	*76.65*	
10 14 19 00-0073	EA	16" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	184.68	14.09
		For Installation With Adhesive, Deduct	*-14.87*	
		For Clear Anodized, Add	*12.83*	
		For Satin Face And Enameled Return, Add	*44.91*	
		For Color Anodized, Add	*64.15*	
		For Polished Or Patina Finish, Add	*64.15*	
		For Polished Anodized Finish, Add	*96.23*	
10 14 19 00-0074	EA	18" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	213.73	15.66
		For Installation With Adhesive, Deduct	*-16.95*	
		For Clear Anodized, Add	*15.11*	
		For Satin Face And Enameled Return, Add	*52.88*	
		For Color Anodized, Add	*75.55*	
		For Polished Or Patina Finish, Add	*75.55*	
		For Polished Anodized Finish, Add	*113.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0075	EA	20" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	247.75	17.62
		For Installation With Adhesive, Deduct	*-19.43*	
		For Clear Anodized, Add	*17.73*	
		For Satin Face And Enameled Return, Add	*62.05*	
		For Color Anodized, Add	*88.64*	
		For Polished Or Patina Finish, Add	*88.64*	
		For Polished Anodized Finish, Add	*132.96*	
10 14 19 00-0076	EA	22" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	277.39	18.60
		For Installation With Adhesive, Deduct	*-21.31*	
		For Clear Anodized, Add	*20.30*	
		For Satin Face And Enameled Return, Add	*71.05*	
		For Color Anodized, Add	*101.50*	
		For Polished Or Patina Finish, Add	*101.50*	
		For Polished Anodized Finish, Add	*152.25*	
10 14 19 00-0077	EA	24" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	308.19	19.57
		For Installation With Adhesive, Deduct	*-23.24*	
		For Clear Anodized, Add	*22.99*	
		For Satin Face And Enameled Return, Add	*80.46*	
		For Color Anodized, Add	*114.95*	
		For Polished Or Patina Finish, Add	*114.95*	
		For Polished Anodized Finish, Add	*172.42*	
10 14 19 00-0078	EA	30" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	423.27	23.49
		For Installation With Adhesive, Deduct	*-30.56*	
		For Clear Anodized, Add	*32.93*	
		For Satin Face And Enameled Return, Add	*115.26*	
		For Color Anodized, Add	*164.66*	
		For Polished Or Patina Finish, Add	*164.66*	
		For Polished Anodized Finish, Add	*246.98*	
10 14 19 00-0079		1/2" Deep, Satin Finish, Aluminum Characters *(10 14 19 00-0050)*		
10 14 19 00-0080	EA	2" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	51.50	4.89
		For Installation With Adhesive, Deduct	*-4.53*	
		For Clear Anodized, Add	*3.19*	
		For Satin Face And Enameled Return, Add	*11.18*	
		For Color Anodized, Add	*15.97*	
		For Polished Or Patina Finish, Add	*15.97*	
		For Polished Anodized Finish, Add	*23.95*	
10 14 19 00-0081	EA	4" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	66.50	5.68
		For Installation With Adhesive, Deduct	*-5.60*	
		For Clear Anodized, Add	*4.38*	
		For Satin Face And Enameled Return, Add	*15.33*	
		For Color Anodized, Add	*21.90*	
		For Polished Or Patina Finish, Add	*21.90*	
		For Polished Anodized Finish, Add	*32.85*	
10 14 19 00-0082	EA	6" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	83.42	6.85
		For Installation With Adhesive, Deduct	*-6.91*	
		For Clear Anodized, Add	*5.60*	
		For Satin Face And Enameled Return, Add	*19.60*	
		For Color Anodized, Add	*28.01*	
		For Polished Or Patina Finish, Add	*28.01*	
		For Polished Anodized Finish, Add	*42.01*	
10 14 19 00-0083	EA	8" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	98.50	7.83
		For Installation With Adhesive, Deduct	*-8.06*	
		For Clear Anodized, Add	*6.72*	
		For Satin Face And Enameled Return, Add	*23.51*	
		For Color Anodized, Add	*33.59*	
		For Polished Or Patina Finish, Add	*33.59*	
		For Polished Anodized Finish, Add	*50.39*	
10 14 19 00-0084	EA	10" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	114.63	8.81
		For Installation With Adhesive, Deduct	*-9.25*	
		For Clear Anodized, Add	*7.94*	
		For Satin Face And Enameled Return, Add	*27.79*	
		For Color Anodized, Add	*39.70*	
		For Polished Or Patina Finish, Add	*39.70*	
		For Polished Anodized Finish, Add	*59.55*	
10 14 19 00-0085	EA	12" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	140.83	10.17
		For Installation With Adhesive, Deduct	*-11.11*	
		For Clear Anodized, Add	*10.01*	
		For Satin Face And Enameled Return, Add	*35.04*	
		For Color Anodized, Add	*50.06*	
		For Polished Or Patina Finish, Add	*50.06*	
		For Polished Anodized Finish, Add	*75.08*	
10 14 19 00-0086	EA	14" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	173.51	11.75
		For Installation With Adhesive, Deduct	*-13.37*	
		For Clear Anodized, Add	*12.65*	
		For Satin Face And Enameled Return, Add	*44.29*	
		For Color Anodized, Add	*63.27*	
		For Polished Or Patina Finish, Add	*63.27*	
		For Polished Anodized Finish, Add	*94.90*	
10 14 19 00-0087	EA	16" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	210.01	14.09
		For Installation With Adhesive, Deduct	*-16.14*	
		For Clear Anodized, Add	*15.36*	
		For Satin Face And Enameled Return, Add	*53.77*	
		For Color Anodized, Add	*76.82*	
		For Polished Or Patina Finish, Add	*76.82*	
		For Polished Anodized Finish, Add	*115.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0088	EA	18" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	254.52	15.66
		For Installation With Adhesive, Deduct	*-18.99*	
		For Clear Anodized, Add	*19.19*	
		For Satin Face And Enameled Return, Add	*67.16*	
		For Color Anodized, Add	*95.94*	
		For Polished Or Patina Finish, Add	*95.94*	
		For Polished Anodized Finish, Add	*143.91*	
10 14 19 00-0089	EA	20" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	299.89	17.62
		For Installation With Adhesive, Deduct	*-22.04*	
		For Clear Anodized, Add	*22.94*	
		For Satin Face And Enameled Return, Add	*80.30*	
		For Color Anodized, Add	*114.71*	
		For Polished Or Patina Finish, Add	*114.71*	
		For Polished Anodized Finish, Add	*172.07*	
10 14 19 00-0090	EA	22" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	344.13	18.60
		For Installation With Adhesive, Deduct	*-24.65*	
		For Clear Anodized, Add	*26.97*	
		For Satin Face And Enameled Return, Add	*94.41*	
		For Color Anodized, Add	*134.87*	
		For Polished Or Patina Finish, Add	*134.87*	
		For Polished Anodized Finish, Add	*202.31*	
10 14 19 00-0091	EA	24" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	386.05	19.57
		For Installation With Adhesive, Deduct	*-27.13*	
		For Clear Anodized, Add	*30.78*	
		For Satin Face And Enameled Return, Add	*107.71*	
		For Color Anodized, Add	*153.88*	
		For Polished Or Patina Finish, Add	*153.88*	
		For Polished Anodized Finish, Add	*230.81*	
10 14 19 00-0092	EA	30" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	535.24	23.49
		For Installation With Adhesive, Deduct	*-36.16*	
		For Clear Anodized, Add	*44.13*	
		For Satin Face And Enameled Return, Add	*154.45*	
		For Color Anodized, Add	*220.64*	
		For Polished Or Patina Finish, Add	*220.64*	
		For Polished Anodized Finish, Add	*330.96*	
10 14 19 00-0093		3/4" Deep, Satin Finish, Aluminum Characters *(10 14 19 00-0050)*		
10 14 19 00-0094	EA	2" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	53.78	4.89
		For Installation With Adhesive, Deduct	*-4.65*	
		For Clear Anodized, Add	*3.42*	
		For Satin Face And Enameled Return, Add	*11.97*	
		For Color Anodized, Add	*17.11*	
		For Polished Or Patina Finish, Add	*17.11*	
		For Polished Anodized Finish, Add	*25.66*	
10 14 19 00-0095	EA	4" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	69.05	5.68
		For Installation With Adhesive, Deduct	*-5.72*	
		For Clear Anodized, Add	*4.64*	
		For Satin Face And Enameled Return, Add	*16.22*	
		For Color Anodized, Add	*23.18*	
		For Polished Or Patina Finish, Add	*23.18*	
		For Polished Anodized Finish, Add	*34.76*	
10 14 19 00-0096	EA	6" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	90.93	6.85
		For Installation With Adhesive, Deduct	*-7.29*	
		For Clear Anodized, Add	*6.35*	
		For Satin Face And Enameled Return, Add	*22.23*	
		For Color Anodized, Add	*31.76*	
		For Polished Or Patina Finish, Add	*31.76*	
		For Polished Anodized Finish, Add	*47.64*	
10 14 19 00-0097	EA	8" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	120.45	7.83
		For Installation With Adhesive, Deduct	*-9.15*	
		For Clear Anodized, Add	*8.91*	
		For Satin Face And Enameled Return, Add	*31.20*	
		For Color Anodized, Add	*44.57*	
		For Polished Or Patina Finish, Add	*44.57*	
		For Polished Anodized Finish, Add	*66.85*	
10 14 19 00-0098	EA	10" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	151.00	8.81
		For Installation With Adhesive, Deduct	*-11.07*	
		For Clear Anodized, Add	*11.58*	
		For Satin Face And Enameled Return, Add	*40.52*	
		For Color Anodized, Add	*57.89*	
		For Polished Or Patina Finish, Add	*57.89*	
		For Polished Anodized Finish, Add	*86.83*	
10 14 19 00-0099	EA	12" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	189.42	10.17
		For Installation With Adhesive, Deduct	*-13.54*	
		For Clear Anodized, Add	*14.87*	
		For Satin Face And Enameled Return, Add	*52.05*	
		For Color Anodized, Add	*74.35*	
		For Polished Or Patina Finish, Add	*74.35*	
		For Polished Anodized Finish, Add	*111.53*	
10 14 19 00-0100	EA	14" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	236.08	11.75
		For Installation With Adhesive, Deduct	*-16.50*	
		For Clear Anodized, Add	*18.91*	
		For Satin Face And Enameled Return, Add	*66.19*	
		For Color Anodized, Add	*94.55*	
		For Polished Or Patina Finish, Add	*94.55*	
		For Polished Anodized Finish, Add	*141.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0101	EA	16" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	291.73	14.09
		For Installation With Adhesive, Deduct	*-20.22*	
		For Clear Anodized, Add	*23.54*	
		For Satin Face And Enameled Return, Add	*82.37*	
		For Color Anodized, Add	*117.68*	
		For Polished Or Patina Finish, Add	*117.68*	
		For Polished Anodized Finish, Add	*176.51*	
10 14 19 00-0102	EA	18" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	356.49	15.66
		For Installation With Adhesive, Deduct	*-24.09*	
		For Clear Anodized, Add	*29.39*	
		For Satin Face And Enameled Return, Add	*102.85*	
		For Color Anodized, Add	*146.93*	
		For Polished Or Patina Finish, Add	*146.93*	
		For Polished Anodized Finish, Add	*220.39*	
10 14 19 00-0103	EA	20" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	423.87	17.62
		For Installation With Adhesive, Deduct	*-28.24*	
		For Clear Anodized, Add	*35.34*	
		For Satin Face And Enameled Return, Add	*123.69*	
		For Color Anodized, Add	*176.70*	
		For Polished Or Patina Finish, Add	*176.70*	
		For Polished Anodized Finish, Add	*265.05*	
10 14 19 00-0104	EA	22" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	491.52	18.60
		For Installation With Adhesive, Deduct	*-32.02*	
		For Clear Anodized, Add	*41.71*	
		For Satin Face And Enameled Return, Add	*146.00*	
		For Color Anodized, Add	*208.57*	
		For Polished Or Patina Finish, Add	*208.57*	
		For Polished Anodized Finish, Add	*312.85*	
10 14 19 00-0105	EA	24" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	562.17	19.57
		For Installation With Adhesive, Deduct	*-35.94*	
		For Clear Anodized, Add	*48.39*	
		For Satin Face And Enameled Return, Add	*169.35*	
		For Color Anodized, Add	*241.94*	
		For Polished Or Patina Finish, Add	*241.94*	
		For Polished Anodized Finish, Add	*362.90*	
10 14 19 00-0106	EA	30" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	772.35	23.49
		For Installation With Adhesive, Deduct	*-48.01*	
		For Clear Anodized, Add	*67.84*	
		For Satin Face And Enameled Return, Add	*237.44*	
		For Color Anodized, Add	*339.20*	
		For Polished Or Patina Finish, Add	*339.20*	
		For Polished Anodized Finish, Add	*508.79*	
10 14 19 00-0107		1" Deep, Satin Finish, Aluminum Characters *(10 14 19 00-0050)*		
10 14 19 00-0108	EA	2" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	59.82	4.89
		For Installation With Adhesive, Deduct	*-4.95*	
		For Clear Anodized, Add	*4.03*	
		For Satin Face And Enameled Return, Add	*14.09*	
		For Color Anodized, Add	*20.13*	
		For Polished Or Patina Finish, Add	*20.13*	
		For Polished Anodized Finish, Add	*30.19*	
10 14 19 00-0109	EA	4" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	73.91	5.68
		For Installation With Adhesive, Deduct	*-5.97*	
		For Clear Anodized, Add	*5.12*	
		For Satin Face And Enameled Return, Add	*17.92*	
		For Color Anodized, Add	*25.61*	
		For Polished Or Patina Finish, Add	*25.61*	
		For Polished Anodized Finish, Add	*38.41*	
10 14 19 00-0110	EA	6" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	97.08	6.85
		For Installation With Adhesive, Deduct	*-7.60*	
		For Clear Anodized, Add	*6.97*	
		For Satin Face And Enameled Return, Add	*24.38*	
		For Color Anodized, Add	*34.84*	
		For Polished Or Patina Finish, Add	*34.84*	
		For Polished Anodized Finish, Add	*52.25*	
10 14 19 00-0111	EA	8" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	132.75	7.83
		For Installation With Adhesive, Deduct	*-9.77*	
		For Clear Anodized, Add	*10.14*	
		For Satin Face And Enameled Return, Add	*35.50*	
		For Color Anodized, Add	*50.72*	
		For Polished Or Patina Finish, Add	*50.72*	
		For Polished Anodized Finish, Add	*76.07*	
10 14 19 00-0112	EA	10" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	180.20	8.81
		For Installation With Adhesive, Deduct	*-12.53*	
		For Clear Anodized, Add	*14.50*	
		For Satin Face And Enameled Return, Add	*50.74*	
		For Color Anodized, Add	*72.49*	
		For Polished Or Patina Finish, Add	*72.49*	
		For Polished Anodized Finish, Add	*108.73*	
10 14 19 00-0113	EA	12" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	235.67	10.17
		For Installation With Adhesive, Deduct	*-15.86*	
		For Clear Anodized, Add	*19.50*	
		For Satin Face And Enameled Return, Add	*68.23*	
		For Color Anodized, Add	*97.48*	
		For Polished Or Patina Finish, Add	*97.48*	
		For Polished Anodized Finish, Add	*146.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0114	EA	14" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	297.95	11.75
		For Installation With Adhesive, Deduct	*-19.60*	
		For Clear Anodized, Add	*25.10*	
		For Satin Face And Enameled Return, Add	*87.84*	
		For Color Anodized, Add	*125.49*	
		For Polished Or Patina Finish, Add	*125.49*	
		For Polished Anodized Finish, Add	*188.23*	
10 14 19 00-0115	EA	16" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	370.18	14.09
		For Installation With Adhesive, Deduct	*-24.15*	
		For Clear Anodized, Add	*31.38*	
		For Satin Face And Enameled Return, Add	*109.83*	
		For Color Anodized, Add	*156.90*	
		For Polished Or Patina Finish, Add	*156.90*	
		For Polished Anodized Finish, Add	*235.35*	
10 14 19 00-0116	EA	18" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	448.25	15.66
		For Installation With Adhesive, Deduct	*-28.68*	
		For Clear Anodized, Add	*38.56*	
		For Satin Face And Enameled Return, Add	*134.96*	
		For Color Anodized, Add	*192.81*	
		For Polished Or Patina Finish, Add	*192.81*	
		For Polished Anodized Finish, Add	*289.21*	
10 14 19 00-0117	EA	20" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	551.33	17.62
		For Installation With Adhesive, Deduct	*-34.61*	
		For Clear Anodized, Add	*48.09*	
		For Satin Face And Enameled Return, Add	*168.30*	
		For Color Anodized, Add	*240.43*	
		For Polished Or Patina Finish, Add	*240.43*	
		For Polished Anodized Finish, Add	*360.65*	
10 14 19 00-0118	EA	22" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	656.98	18.60
		For Installation With Adhesive, Deduct	*-40.29*	
		For Clear Anodized, Add	*58.26*	
		For Satin Face And Enameled Return, Add	*203.91*	
		For Color Anodized, Add	*291.30*	
		For Polished Or Patina Finish, Add	*291.30*	
		For Polished Anodized Finish, Add	*436.94*	
10 14 19 00-0119	EA	24" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	775.37	19.57
		For Installation With Adhesive, Deduct	*-46.60*	
		For Clear Anodized, Add	*69.71*	
		For Satin Face And Enameled Return, Add	*243.97*	
		For Color Anodized, Add	*348.54*	
		For Polished Or Patina Finish, Add	*348.54*	
		For Polished Anodized Finish, Add	*522.80*	
10 14 19 00-0120	EA	30" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	1,095.07	23.49
		For Installation With Adhesive, Deduct	*-64.15*	
		For Clear Anodized, Add	*100.11*	
		For Satin Face And Enameled Return, Add	*350.39*	
		For Color Anodized, Add	*500.56*	
		For Polished Or Patina Finish, Add	*500.56*	
		For Polished Anodized Finish, Add	*750.83*	

10 14 19 00-0121 Satin Finish, Brass Characters *(10 14 19 00-0049)*

10 14 19 00-0122 1/4" Deep, Satin Finish, Brass Characters *(10 14 19 00-0121)*

10 14 19 00-0123	EA	2" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	48.28	4.89
		For Installation With Adhesive, Deduct	*-4.37*	
		For Oxidized Finish, Add	*4.31*	
		For Polished Finish, Add	*8.61*	
10 14 19 00-0124	EA	4" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	62.65	5.68
		For Installation With Adhesive, Deduct	*-5.40*	
		For Oxidized Finish, Add	*5.99*	
		For Polished Finish, Add	*11.99*	
10 14 19 00-0125	EA	6" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	86.88	6.85
		For Installation With Adhesive, Deduct	*-7.09*	
		For Oxidized Finish, Add	*8.92*	
		For Polished Finish, Add	*17.84*	
10 14 19 00-0126	EA	8" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	114.37	7.83
		For Installation With Adhesive, Deduct	*-8.85*	
		For Oxidized Finish, Add	*12.46*	
		For Polished Finish, Add	*24.92*	
10 14 19 00-0127	EA	10" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	146.99	8.81
		For Installation With Adhesive, Deduct	*-10.87*	
		For Oxidized Finish, Add	*16.76*	
		For Polished Finish, Add	*33.53*	
10 14 19 00-0128	EA	12" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	186.32	10.17
		For Installation With Adhesive, Deduct	*-13.39*	
		For Oxidized Finish, Add	*21.84*	
		For Polished Finish, Add	*43.68*	
10 14 19 00-0129	EA	14" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	233.59	11.75
		For Installation With Adhesive, Deduct	*-16.38*	
		For Oxidized Finish, Add	*27.99*	
		For Polished Finish, Add	*55.98*	
10 14 19 00-0130	EA	16" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	285.03	14.09
		For Installation With Adhesive, Deduct	*-19.89*	
		For Oxidized Finish, Add	*34.30*	
		For Polished Finish, Add	*68.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0131	EA	18" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	346.80	15.66
		For Installation With Adhesive, Deduct	*-23.60*	
		For Oxidized Finish, Add	*42.62*	
		For Polished Finish, Add	*85.25*	
10 14 19 00-0132	EA	20" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	412.93	17.62
		For Installation With Adhesive, Deduct	*-27.69*	
		For Oxidized Finish, Add	*51.37*	
		For Polished Finish, Add	*102.74*	
10 14 19 00-0133	EA	22" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	509.13	18.60
		For Installation With Adhesive, Deduct	*-32.90*	
		For Oxidized Finish, Add	*65.21*	
		For Polished Finish, Add	*130.42*	
10 14 19 00-0134	EA	24" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	558.74	19.57
		For Installation With Adhesive, Deduct	*-35.77*	
		For Oxidized Finish, Add	*72.07*	
		For Polished Finish, Add	*144.13*	
10 14 19 00-0135	EA	30" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	843.08	23.49
		For Installation With Adhesive, Deduct	*-51.55*	
		For Oxidized Finish, Add	*112.37*	
		For Polished Finish, Add	*224.74*	
10 14 19 00-0136		**3/8" Deep, Satin Finish, Brass Characters** *(10 14 19 00-0121)*		
10 14 19 00-0137	EA	2" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	58.33	4.89
		For Installation With Adhesive, Deduct	*-4.87*	
		For Oxidized Finish, Add	*5.81*	
		For Polished Finish, Add	*11.63*	
10 14 19 00-0138	EA	4" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	76.63	5.68
		For Installation With Adhesive, Deduct	*-6.10*	
		For Oxidized Finish, Add	*8.09*	
		For Polished Finish, Add	*16.18*	
10 14 19 00-0139	EA	6" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	110.67	6.85
		For Installation With Adhesive, Deduct	*-8.27*	
		For Oxidized Finish, Add	*12.49*	
		For Polished Finish, Add	*24.98*	
10 14 19 00-0140	EA	8" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	147.59	7.83
		For Installation With Adhesive, Deduct	*-10.51*	
		For Oxidized Finish, Add	*17.44*	
		For Polished Finish, Add	*34.88*	
10 14 19 00-0141	EA	10" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	197.28	8.81
		For Installation With Adhesive, Deduct	*-13.39*	
		For Oxidized Finish, Add	*24.31*	
		For Polished Finish, Add	*48.62*	
10 14 19 00-0142	EA	12" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	251.83	10.17
		For Installation With Adhesive, Deduct	*-16.66*	
		For Oxidized Finish, Add	*31.67*	
		For Polished Finish, Add	*63.33*	
10 14 19 00-0143	EA	14" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	317.56	11.75
		For Installation With Adhesive, Deduct	*-20.58*	
		For Oxidized Finish, Add	*40.59*	
		For Polished Finish, Add	*81.17*	
10 14 19 00-0144	EA	16" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	376.49	14.09
		For Installation With Adhesive, Deduct	*-24.46*	
		For Oxidized Finish, Add	*48.02*	
		For Polished Finish, Add	*96.03*	
10 14 19 00-0145	EA	18" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	474.67	15.66
		For Installation With Adhesive, Deduct	*-30.00*	
		For Oxidized Finish, Add	*61.80*	
		For Polished Finish, Add	*123.61*	
10 14 19 00-0146	EA	20" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	549.91	17.62
		For Installation With Adhesive, Deduct	*-34.54*	
		For Oxidized Finish, Add	*71.92*	
		For Polished Finish, Add	*143.83*	
10 14 19 00-0147	EA	22" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	678.68	18.60
		For Installation With Adhesive, Deduct	*-41.37*	
		For Oxidized Finish, Add	*90.64*	
		For Polished Finish, Add	*181.29*	
10 14 19 00-0148	EA	24" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	774.94	19.57
		For Installation With Adhesive, Deduct	*-46.58*	
		For Oxidized Finish, Add	*104.50*	
		For Polished Finish, Add	*208.99*	
10 14 19 00-0149	EA	30" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,075.31	23.49
		For Installation With Adhesive, Deduct	*-63.16*	
		For Oxidized Finish, Add	*147.20*	
		For Polished Finish, Add	*294.41*	
10 14 19 00-0150		**1/2" Deep, Satin Finish, Brass Characters** *(10 14 19 00-0121)*		
10 14 19 00-0151	EA	2" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	74.12	4.89
		For Installation With Adhesive, Deduct	*-5.66*	
		For Oxidized Finish, Add	*8.18*	
		For Polished Finish, Add	*16.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0152	EA	4" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	96.60	5.68
		For Installation With Adhesive, Deduct	*-7.10*	
		For Oxidized Finish, Add	*11.09*	
		For Polished Finish, Add	*22.17*	
10 14 19 00-0153	EA	6" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	140.40	6.85
		For Installation With Adhesive, Deduct	*-9.76*	
		For Oxidized Finish, Add	*16.95*	
		For Polished Finish, Add	*33.90*	
10 14 19 00-0154	EA	8" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	193.27	7.83
		For Installation With Adhesive, Deduct	*-12.80*	
		For Oxidized Finish, Add	*24.29*	
		For Polished Finish, Add	*48.59*	
10 14 19 00-0155	EA	10" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	269.93	8.81
		For Installation With Adhesive, Deduct	*-17.02*	
		For Oxidized Finish, Add	*35.21*	
		For Polished Finish, Add	*70.41*	
10 14 19 00-0156	EA	12" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	361.03	10.17
		For Installation With Adhesive, Deduct	*-22.12*	
		For Oxidized Finish, Add	*48.05*	
		For Polished Finish, Add	*96.09*	
10 14 19 00-0157	EA	14" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	448.19	11.75
		For Installation With Adhesive, Deduct	*-27.11*	
		For Oxidized Finish, Add	*60.18*	
		For Polished Finish, Add	*120.36*	
10 14 19 00-0158	EA	16" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	534.25	14.09
		For Installation With Adhesive, Deduct	*-32.35*	
		For Oxidized Finish, Add	*71.68*	
		For Polished Finish, Add	*143.36*	
10 14 19 00-0159	EA	18" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	730.42	15.66
		For Installation With Adhesive, Deduct	*-42.79*	
		For Oxidized Finish, Add	*100.17*	
		For Polished Finish, Add	*200.33*	
10 14 19 00-0160	EA	20" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	823.88	17.62
		For Installation With Adhesive, Deduct	*-48.24*	
		For Oxidized Finish, Add	*113.01*	
		For Polished Finish, Add	*226.02*	
10 14 19 00-0161	EA	22" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,030.81	18.60
		For Installation With Adhesive, Deduct	*-58.98*	
		For Oxidized Finish, Add	*143.46*	
		For Polished Finish, Add	*286.93*	
10 14 19 00-0162	EA	24" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,207.33	19.57
		For Installation With Adhesive, Deduct	*-68.20*	
		For Oxidized Finish, Add	*169.35*	
		For Polished Finish, Add	*338.71*	
10 14 19 00-0163	EA	30" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,824.43	23.49
		For Installation With Adhesive, Deduct	*-100.62*	
		For Oxidized Finish, Add	*259.57*	
		For Polished Finish, Add	*519.14*	

10 14 19 00-0164 3/4" Deep, Satin Finish, Brass Characters *(10 14 19 00-0121)*

10 14 19 00-0165	EA	2" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	91.34	4.89
		For Installation With Adhesive, Deduct	*-6.52*	
		For Oxidized Finish, Add	*10.77*	
		For Polished Finish, Add	*21.53*	
10 14 19 00-0166	EA	4" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	128.56	5.68
		For Installation With Adhesive, Deduct	*-8.70*	
		For Oxidized Finish, Add	*15.88*	
		For Polished Finish, Add	*31.76*	
10 14 19 00-0167	EA	6" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	176.08	6.85
		For Installation With Adhesive, Deduct	*-11.55*	
		For Oxidized Finish, Add	*22.30*	
		For Polished Finish, Add	*44.60*	
10 14 19 00-0168	EA	8" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	238.95	7.83
		For Installation With Adhesive, Deduct	*-15.08*	
		For Oxidized Finish, Add	*31.14*	
		For Polished Finish, Add	*62.29*	
10 14 19 00-0169	EA	10" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	325.81	8.81
		For Installation With Adhesive, Deduct	*-19.81*	
		For Oxidized Finish, Add	*43.59*	
		For Polished Finish, Add	*87.17*	
10 14 19 00-0170	EA	12" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	448.39	10.17
		For Installation With Adhesive, Deduct	*-26.49*	
		For Oxidized Finish, Add	*61.15*	
		For Polished Finish, Add	*122.30*	
10 14 19 00-0171	EA	14" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	560.16	11.75
		For Installation With Adhesive, Deduct	*-32.71*	
		For Oxidized Finish, Add	*76.98*	
		For Polished Finish, Add	*153.95*	
10 14 19 00-0172	EA	16" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	653.15	14.09
		For Installation With Adhesive, Deduct	*-38.30*	
		For Oxidized Finish, Add	*89.52*	
		For Polished Finish, Add	*179.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0173	EA	18" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	872.50	15.66
		For Installation With Adhesive, Deduct	*-49.89*	
		For Oxidized Finish, Add	*121.48*	
		For Polished Finish, Add	*242.96*	
10 14 19 00-0174	EA	20" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	954.01	17.62
		For Installation With Adhesive, Deduct	*-54.75*	
		For Oxidized Finish, Add	*132.53*	
		For Polished Finish, Add	*265.06*	
10 14 19 00-0175	EA	22" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,213.40	18.60
		For Installation With Adhesive, Deduct	*-68.11*	
		For Oxidized Finish, Add	*170.85*	
		For Polished Finish, Add	*341.70*	
10 14 19 00-0176	EA	24" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,543.64	19.57
		For Installation With Adhesive, Deduct	*-85.01*	
		For Oxidized Finish, Add	*219.80*	
		For Polished Finish, Add	*439.60*	
10 14 19 00-0177	EA	30" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	2,333.83	23.49
		For Installation With Adhesive, Deduct	*-126.09*	
		For Oxidized Finish, Add	*335.98*	
		For Polished Finish, Add	*671.96*	
10 14 19 00-0178		Satin Finish, Bronze Characters *(10 14 19 00-0049)*		
10 14 19 00-0179		1/4" Deep, Satin Finish, Bronze Characters *(10 14 19 00-0178)*		
10 14 19 00-0180	EA	2" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	50.44	4.89
		For Installation With Adhesive, Deduct	*-4.48*	
		For Oxidized Finish, Add	*4.63*	
		For Polished Or Patina Finish, Add	*9.26*	
10 14 19 00-0181	EA	4" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	65.70	5.68
		For Installation With Adhesive, Deduct	*-5.56*	
		For Oxidized Finish, Add	*6.45*	
		For Polished Or Patina Finish, Add	*12.90*	
10 14 19 00-0182	EA	6" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	91.35	6.85
		For Installation With Adhesive, Deduct	*-7.31*	
		For Oxidized Finish, Add	*9.59*	
		For Polished Or Patina Finish, Add	*19.18*	
10 14 19 00-0183	EA	8" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	120.62	7.83
		For Installation With Adhesive, Deduct	*-9.16*	
		For Oxidized Finish, Add	*13.40*	
		For Polished Or Patina Finish, Add	*26.79*	
10 14 19 00-0184	EA	10" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	155.40	8.81
		For Installation With Adhesive, Deduct	*-11.29*	
		For Oxidized Finish, Add	*18.03*	
		For Polished Or Patina Finish, Add	*36.05*	
10 14 19 00-0185	EA	12" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	197.28	10.17
		For Installation With Adhesive, Deduct	*-13.94*	
		For Oxidized Finish, Add	*23.48*	
		For Polished Or Patina Finish, Add	*46.97*	
10 14 19 00-0186	EA	14" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	247.64	11.75
		For Installation With Adhesive, Deduct	*-17.08*	
		For Oxidized Finish, Add	*30.10*	
		For Polished Or Patina Finish, Add	*60.20*	
10 14 19 00-0187	EA	16" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	307.75	14.09
		For Installation With Adhesive, Deduct	*-21.03*	
		For Oxidized Finish, Add	*37.71*	
		For Polished Or Patina Finish, Add	*75.41*	
10 14 19 00-0188	EA	18" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	369.14	15.66
		For Installation With Adhesive, Deduct	*-24.72*	
		For Oxidized Finish, Add	*45.98*	
		For Polished Or Patina Finish, Add	*91.95*	
10 14 19 00-0189	EA	20" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	438.71	17.62
		For Installation With Adhesive, Deduct	*-28.98*	
		For Oxidized Finish, Add	*55.24*	
		For Polished Or Patina Finish, Add	*110.47*	
10 14 19 00-0190	EA	22" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	513.19	18.60
		For Installation With Adhesive, Deduct	*-33.10*	
		For Oxidized Finish, Add	*65.82*	
		For Polished Or Patina Finish, Add	*131.64*	
10 14 19 00-0191	EA	24" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	595.37	19.57
		For Installation With Adhesive, Deduct	*-37.60*	
		For Oxidized Finish, Add	*77.56*	
		For Polished Or Patina Finish, Add	*155.12*	
10 14 19 00-0192	EA	30" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	907.60	23.49
		For Installation With Adhesive, Deduct	*-54.78*	
		For Oxidized Finish, Add	*122.05*	
		For Polished Or Patina Finish, Add	*244.09*	
10 14 19 00-0193		3/8" Deep, Satin Finish, Bronze Characters *(10 14 19 00-0178)*		
10 14 19 00-0194	EA	2" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	60.32	4.89
		For Installation With Adhesive, Deduct	*-4.97*	
		For Oxidized Finish, Add	*6.11*	
		For Polished Or Patina Finish, Add	*12.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0195	EA	4" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	79.03	5.68
		For Installation With Adhesive, Deduct	*-6.22*	
		For Oxidized Finish, Add	*8.45*	
		For Polished Or Patina Finish, Add	*16.90*	
10 14 19 00-0196	EA	6" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	115.65	6.85
		For Installation With Adhesive, Deduct	*-8.52*	
		For Oxidized Finish, Add	*13.24*	
		For Polished Or Patina Finish, Add	*26.47*	
10 14 19 00-0197	EA	8" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	153.66	7.83
		For Installation With Adhesive, Deduct	*-10.82*	
		For Oxidized Finish, Add	*18.35*	
		For Polished Or Patina Finish, Add	*36.70*	
10 14 19 00-0198	EA	10" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	209.48	8.81
		For Installation With Adhesive, Deduct	*-14.00*	
		For Oxidized Finish, Add	*26.14*	
		For Polished Or Patina Finish, Add	*52.28*	
10 14 19 00-0199	EA	12" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	266.16	10.17
		For Installation With Adhesive, Deduct	*-17.38*	
		For Oxidized Finish, Add	*33.82*	
		For Polished Or Patina Finish, Add	*67.63*	
10 14 19 00-0200	EA	14" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	333.92	11.75
		For Installation With Adhesive, Deduct	*-21.39*	
		For Oxidized Finish, Add	*43.04*	
		For Polished Or Patina Finish, Add	*86.08*	
10 14 19 00-0201	EA	16" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	413.33	14.09
		For Installation With Adhesive, Deduct	*-26.30*	
		For Oxidized Finish, Add	*53.54*	
		For Polished Or Patina Finish, Add	*107.09*	
10 14 19 00-0202	EA	18" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	500.93	15.66
		For Installation With Adhesive, Deduct	*-31.31*	
		For Oxidized Finish, Add	*65.74*	
		For Polished Or Patina Finish, Add	*131.49*	
10 14 19 00-0203	EA	20" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	597.05	17.62
		For Installation With Adhesive, Deduct	*-36.90*	
		For Oxidized Finish, Add	*78.99*	
		For Polished Or Patina Finish, Add	*157.97*	
10 14 19 00-0204	EA	22" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	701.87	18.60
		For Installation With Adhesive, Deduct	*-42.53*	
		For Oxidized Finish, Add	*94.12*	
		For Polished Or Patina Finish, Add	*188.24*	
10 14 19 00-0205	EA	24" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	797.03	19.57
		For Installation With Adhesive, Deduct	*-47.68*	
		For Oxidized Finish, Add	*107.81*	
		For Polished Or Patina Finish, Add	*215.62*	
10 14 19 00-0206	EA	30" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,094.74	23.49
		For Installation With Adhesive, Deduct	*-64.13*	
		For Oxidized Finish, Add	*150.12*	
		For Polished Or Patina Finish, Add	*300.23*	

10 14 19 00-0207 1/2" Deep, Satin Finish, Bronze Characters *(10 14 19 00-0178)*

10 14 19 00-0208	EA	2" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	62.48	4.89
		For Installation With Adhesive, Deduct	*-5.08*	
		For Oxidized Finish, Add	*6.44*	
		For Polished Or Patina Finish, Add	*12.87*	
10 14 19 00-0209	EA	4" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	94.51	5.68
		For Installation With Adhesive, Deduct	*-7.00*	
		For Oxidized Finish, Add	*10.77*	
		For Polished Or Patina Finish, Add	*21.54*	
10 14 19 00-0210	EA	6" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	135.48	6.85
		For Installation With Adhesive, Deduct	*-9.52*	
		For Oxidized Finish, Add	*16.21*	
		For Polished Or Patina Finish, Add	*32.42*	
10 14 19 00-0211	EA	8" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	187.60	7.83
		For Installation With Adhesive, Deduct	*-12.51*	
		For Oxidized Finish, Add	*23.44*	
		For Polished Or Patina Finish, Add	*46.88*	
10 14 19 00-0212	EA	10" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	257.55	8.81
		For Installation With Adhesive, Deduct	*-16.40*	
		For Oxidized Finish, Add	*33.35*	
		For Polished Or Patina Finish, Add	*66.70*	
10 14 19 00-0213	EA	12" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	352.26	10.17
		For Installation With Adhesive, Deduct	*-21.69*	
		For Oxidized Finish, Add	*46.73*	
		For Polished Or Patina Finish, Add	*93.46*	
10 14 19 00-0214	EA	14" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	458.32	11.75
		For Installation With Adhesive, Deduct	*-27.61*	
		For Oxidized Finish, Add	*61.70*	
		For Polished Or Patina Finish, Add	*123.40*	
10 14 19 00-0215	EA	16" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	574.20	14.09
		For Installation With Adhesive, Deduct	*-34.35*	
		For Oxidized Finish, Add	*77.67*	
		For Polished Or Patina Finish, Add	*155.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0216	EA	18" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	706.28	15.66
		For Installation With Adhesive, Deduct	*-41.58*	
		For Oxidized Finish, Add	*96.55*	
		For Polished Or Patina Finish, Add	*193.09*	
10 14 19 00-0217	EA	20" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	847.45	17.62
		For Installation With Adhesive, Deduct	*-49.42*	
		For Oxidized Finish, Add	*116.55*	
		For Polished Or Patina Finish, Add	*233.09*	
10 14 19 00-0218	EA	22" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,004.64	18.60
		For Installation With Adhesive, Deduct	*-57.67*	
		For Oxidized Finish, Add	*139.54*	
		For Polished Or Patina Finish, Add	*279.08*	
10 14 19 00-0219	EA	24" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,169.32	19.57
		For Installation With Adhesive, Deduct	*-66.30*	
		For Oxidized Finish, Add	*163.65*	
		For Polished Or Patina Finish, Add	*327.31*	
10 14 19 00-0220	EA	30" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,639.89	23.49
		For Installation With Adhesive, Deduct	*-91.39*	
		For Oxidized Finish, Add	*231.89*	
		For Polished Or Patina Finish, Add	*463.78*	

10 14 19 00-0221 Satin Finish, Copper Characters *(10 14 19 00-0049)*

10 14 19 00-0222 1/4" Deep, Satin Finish, Copper Characters *(10 14 19 00-0221)*

10 14 19 00-0223	EA	2" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	48.28	4.89
		For Installation With Adhesive, Deduct	*-4.37*	
		For Polished Finish, Add	*8.61*	
10 14 19 00-0224	EA	4" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	63.71	5.68
		For Installation With Adhesive, Deduct	*-5.46*	
		For Polished Finish, Add	*12.30*	
10 14 19 00-0225	EA	6" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	90.98	6.85
		For Installation With Adhesive, Deduct	*-7.29*	
		For Polished Finish, Add	*19.07*	
10 14 19 00-0226	EA	8" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	121.55	7.83
		For Installation With Adhesive, Deduct	*-9.21*	
		For Polished Finish, Add	*27.07*	
10 14 19 00-0227	EA	10" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	155.19	8.81
		For Installation With Adhesive, Deduct	*-11.28*	
		For Polished Finish, Add	*35.99*	
10 14 19 00-0228	EA	12" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	198.62	10.17
		For Installation With Adhesive, Deduct	*-14.00*	
		For Polished Finish, Add	*47.37*	
10 14 19 00-0229	EA	14" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	249.99	11.75
		For Installation With Adhesive, Deduct	*-17.20*	
		For Polished Finish, Add	*60.90*	
10 14 19 00-0230	EA	16" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	308.61	14.09
		For Installation With Adhesive, Deduct	*-21.07*	
		For Polished Finish, Add	*75.67*	
10 14 19 00-0231	EA	18" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	371.26	15.66
		For Installation With Adhesive, Deduct	*-24.83*	
		For Polished Finish, Add	*92.59*	
10 14 19 00-0232	EA	20" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	440.61	17.62
		For Installation With Adhesive, Deduct	*-29.08*	
		For Polished Finish, Add	*111.04*	
10 14 19 00-0233	EA	22" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	516.31	18.60
		For Installation With Adhesive, Deduct	*-33.25*	
		For Polished Finish, Add	*132.58*	
10 14 19 00-0234	EA	24" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	598.14	19.57
		For Installation With Adhesive, Deduct	*-37.74*	
		For Polished Finish, Add	*155.95*	
10 14 19 00-0235	EA	30" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	863.44	23.49
		For Installation With Adhesive, Deduct	*-52.57*	
		For Polished Finish, Add	*230.84*	

10 14 19 00-0236 3/8" Deep, Satin Finish, Copper Characters *(10 14 19 00-0221)*

10 14 19 00-0237	EA	2" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	55.46	4.89
		For Installation With Adhesive, Deduct	*-4.73*	
		For Polished Finish, Add	*10.77*	
10 14 19 00-0238	EA	4" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	76.02	5.68
		For Installation With Adhesive, Deduct	*-6.07*	
		For Polished Finish, Add	*16.00*	
10 14 19 00-0239	EA	6" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	113.23	6.85
		For Installation With Adhesive, Deduct	*-8.40*	
		For Polished Finish, Add	*25.75*	
10 14 19 00-0240	EA	8" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	157.64	7.83
		For Installation With Adhesive, Deduct	*-11.01*	
		For Polished Finish, Add	*37.90*	
10 14 19 00-0241	EA	10" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	215.17	8.81
		For Installation With Adhesive, Deduct	*-14.28*	
		For Polished Finish, Add	*53.98*	
10 14 19 00-0242	EA	12" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	269.68	10.17
		For Installation With Adhesive, Deduct	*-17.56*	
		For Polished Finish, Add	*68.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0243	EA	14" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	341.35	11.75
		For Installation With Adhesive, Deduct	*-21.77*	
		For Polished Finish, Add	*88.31*	
10 14 19 00-0244	EA	16" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	422.11	14.09
		For Installation With Adhesive, Deduct	*-26.74*	
		For Polished Finish, Add	*109.72*	
10 14 19 00-0245	EA	18" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	510.14	15.66
		For Installation With Adhesive, Deduct	*-31.77*	
		For Polished Finish, Add	*134.25*	
10 14 19 00-0246	EA	20" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	607.18	17.62
		For Installation With Adhesive, Deduct	*-37.41*	
		For Polished Finish, Add	*161.01*	
10 14 19 00-0247	EA	22" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	715.18	18.60
		For Installation With Adhesive, Deduct	*-43.20*	
		For Polished Finish, Add	*192.24*	
10 14 19 00-0248	EA	24" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	806.08	19.57
		For Installation With Adhesive, Deduct	*-48.13*	
		For Polished Finish, Add	*218.33*	
10 14 19 00-0249	EA	30" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	1,132.76	23.49
		For Installation With Adhesive, Deduct	*-66.03*	
		For Polished Finish, Add	*311.64*	

10 14 19 00-0250 Satin Finish, Stainless Steel Characters *(10 14 19 00-0049)*

10 14 19 00-0251 1/4" Deep, Satin Finish, Stainless Steel Characters *(10 14 19 00-0250)*

10 14 19 00-0252	EA	2" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	43.09	4.89
		For Installation With Adhesive, Deduct	*-4.11*	
		For Polished Finish, Add	*7.06*	
10 14 19 00-0253	EA	4" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	56.80	5.68
		For Installation With Adhesive, Deduct	*-5.11*	
		For Polished Finish, Add	*10.23*	
10 14 19 00-0254	EA	6" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	73.27	6.85
		For Installation With Adhesive, Deduct	*-6.40*	
		For Polished Finish, Add	*13.76*	
10 14 19 00-0255	EA	8" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	94.82	7.83
		For Installation With Adhesive, Deduct	*-7.87*	
		For Polished Finish, Add	*19.05*	
10 14 19 00-0256	EA	10" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	116.37	8.81
		For Installation With Adhesive, Deduct	*-9.34*	
		For Polished Finish, Add	*24.34*	
10 14 19 00-0257	EA	12" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	143.03	10.17
		For Installation With Adhesive, Deduct	*-11.22*	
		For Polished Finish, Add	*30.69*	
10 14 19 00-0258	EA	14" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	171.64	11.75
		For Installation With Adhesive, Deduct	*-13.28*	
		For Polished Finish, Add	*37.40*	
10 14 19 00-0259	EA	16" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	205.73	14.09
		For Installation With Adhesive, Deduct	*-15.92*	
		For Polished Finish, Add	*44.81*	
10 14 19 00-0260	EA	18" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	240.22	15.66
		For Installation With Adhesive, Deduct	*-18.28*	
		For Polished Finish, Add	*53.27*	
10 14 19 00-0261	EA	20" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	280.97	17.62
		For Installation With Adhesive, Deduct	*-21.10*	
		For Polished Finish, Add	*63.15*	
10 14 19 00-0262	EA	22" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	327.23	18.60
		For Installation With Adhesive, Deduct	*-23.80*	
		For Polished Finish, Add	*75.85*	
10 14 19 00-0263	EA	24" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	374.65	19.57
		For Installation With Adhesive, Deduct	*-26.56*	
		For Polished Finish, Add	*88.91*	
10 14 19 00-0264	EA	30" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	514.97	23.49
		For Installation With Adhesive, Deduct	*-35.14*	
		For Polished Finish, Add	*126.30*	

10 14 19 00-0265 3/8" Deep, Satin Finish, Stainless Steel Characters *(10 14 19 00-0250)*

10 14 19 00-0266	EA	2" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	51.32	4.89
		For Installation With Adhesive, Deduct	*-4.52*	
		For Polished Finish, Add	*9.53*	
10 14 19 00-0267	EA	4" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	68.74	5.68
		For Installation With Adhesive, Deduct	*-5.71*	
		For Polished Finish, Add	*13.81*	
10 14 19 00-0268	EA	6" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	88.41	6.85
		For Installation With Adhesive, Deduct	*-7.16*	
		For Polished Finish, Add	*18.30*	
10 14 19 00-0269	EA	8" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	113.24	7.83
		For Installation With Adhesive, Deduct	*-8.79*	
		For Polished Finish, Add	*24.58*	
10 14 19 00-0270	EA	10" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	139.91	8.81
		For Installation With Adhesive, Deduct	*-10.52*	
		For Polished Finish, Add	*31.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0271	EA	12" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	172.70	10.17
		For Installation With Adhesive, Deduct	*-12.71*	
		For Polished Finish, Add	*39.59*	
10 14 19 00-0272	EA	14" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	207.79	11.75
		For Installation With Adhesive, Deduct	*-15.09*	
		For Polished Finish, Add	*48.24*	
10 14 19 00-0273	EA	16" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	249.04	14.09
		For Installation With Adhesive, Deduct	*-18.09*	
		For Polished Finish, Add	*57.80*	
10 14 19 00-0274	EA	18" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	289.94	15.66
		For Installation With Adhesive, Deduct	*-20.76*	
		For Polished Finish, Add	*68.19*	
10 14 19 00-0275	EA	20" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	339.92	17.62
		For Installation With Adhesive, Deduct	*-24.04*	
		For Polished Finish, Add	*80.84*	
10 14 19 00-0276	EA	22" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	382.85	18.60
		For Installation With Adhesive, Deduct	*-26.58*	
		For Polished Finish, Add	*92.54*	
10 14 19 00-0277	EA	24" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	439.85	19.57
		For Installation With Adhesive, Deduct	*-29.82*	
		For Polished Finish, Add	*108.47*	
10 14 19 00-0278	EA	30" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	607.59	23.49
		For Installation With Adhesive, Deduct	*-39.78*	
		For Polished Finish, Add	*154.09*	

10 14 19 00-0279 1/2" Deep, Satin Finish, Stainless Steel Characters *(10 14 19 00-0250)*

10 14 19 00-0280	EA	2" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	61.91	4.89
		For Installation With Adhesive, Deduct	*-5.05*	
		For Polished Finish, Add	*12.70*	
10 14 19 00-0281	EA	4" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	84.09	5.68
		For Installation With Adhesive, Deduct	*-6.47*	
		For Polished Finish, Add	*18.42*	
10 14 19 00-0282	EA	6" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	108.59	6.85
		For Installation With Adhesive, Deduct	*-8.17*	
		For Polished Finish, Add	*24.35*	
10 14 19 00-0283	EA	8" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	143.09	7.83
		For Installation With Adhesive, Deduct	*-10.29*	
		For Polished Finish, Add	*33.53*	
10 14 19 00-0284	EA	10" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	178.04	8.81
		For Installation With Adhesive, Deduct	*-12.43*	
		For Polished Finish, Add	*42.84*	
10 14 19 00-0285	EA	12" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	220.79	10.17
		For Installation With Adhesive, Deduct	*-15.11*	
		For Polished Finish, Add	*54.02*	
10 14 19 00-0286	EA	14" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	266.37	11.75
		For Installation With Adhesive, Deduct	*-18.02*	
		For Polished Finish, Add	*65.82*	
10 14 19 00-0287	EA	16" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	319.24	14.09
		For Installation With Adhesive, Deduct	*-21.60*	
		For Polished Finish, Add	*78.86*	
10 14 19 00-0288	EA	18" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	380.50	15.66
		For Installation With Adhesive, Deduct	*-25.29*	
		For Polished Finish, Add	*95.36*	
10 14 19 00-0289	EA	20" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	447.27	17.62
		For Installation With Adhesive, Deduct	*-29.41*	
		For Polished Finish, Add	*113.04*	
10 14 19 00-0290	EA	22" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	501.69	18.60
		For Installation With Adhesive, Deduct	*-32.52*	
		For Polished Finish, Add	*128.19*	
10 14 19 00-0291	EA	24" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	579.13	19.57
		For Installation With Adhesive, Deduct	*-36.79*	
		For Polished Finish, Add	*150.25*	
10 14 19 00-0292	EA	30" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	805.46	23.49
		For Installation With Adhesive, Deduct	*-49.67*	
		For Polished Finish, Add	*213.45*	

10 14 23 Panel Signage *(10 14)*

10 14 23 00-0001 Indoor/Outdoor Signs *(10 14 23)*

Note: Office number signs, conference room signs, restroom signs, stairway signs, fire extinguisher marker, ANSI/OSHA safety signs, entry/exit signs, etc.

10 14 23 00-0002 Surface Mount, Indoor/Outdoor Signs *(10 14 23 00-0001)*

10 14 23 00-0003 Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Signs *(10 14 23 00-0002)*

Note: Multi-color with words, symbols and graphics.

10 14 23 00-0004	EA	Up To 25 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	20.75	8.54
		For >25 To 50, Deduct	*-0.37*	
		For >50 To 100, Deduct	*-0.92*	
		For >100, Deduct	*-1.10*	
		For Clear Glass Mount, Add	*2.94*	
		For Glow-In-Dark, Add	*7.36*	
		For Reflective Finish, Add	*8.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 00-0005	EA	>25 To 50 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	23.37	8.54
		For >25 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.58*	
		For >100, Deduct	*-1.89*	
		For Clear Glass Mount, Add	*5.04*	
		For Glow-In-Dark, Add	*12.60*	
		For Reflective Finish, Add	*14.18*	
10 14 23 00-0006	EA	>50 To 100 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	27.57	8.54
		For >25 To 50, Deduct	*-1.05*	
		For >50 To 100, Deduct	*-2.63*	
		For >100, Deduct	*-3.15*	
		For Clear Glass Mount, Add	*8.40*	
		For Glow-In-Dark, Add	*21.00*	
		For Reflective Finish, Add	*23.63*	
10 14 23 00-0007	EA	>100 To 250 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	32.82	8.54
		For >25 To 50, Deduct	*-1.58*	
		For >50 To 100, Deduct	*-3.94*	
		For >100, Deduct	*-4.73*	
		For Clear Glass Mount, Add	*12.60*	
		For Glow-In-Dark, Add	*31.50*	
		For Reflective Finish, Add	*35.44*	
10 14 23 00-0008	EA	>250 To 500 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	42.27	8.54
		For >25 To 50, Deduct	*-2.52*	
		For >50 To 100, Deduct	*-6.30*	
		For >100, Deduct	*-7.56*	
		For Clear Glass Mount, Add	*20.16*	
		For Glow-In-Dark, Add	*50.40*	
		For Reflective Finish, Add	*56.70*	
10 14 23 00-0009	EA	>500 To 750 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	59.07	8.54
		For >25 To 50, Deduct	*-4.20*	
		For >50 To 100, Deduct	*-10.50*	
		For >100, Deduct	*-12.60*	
		For Clear Glass Mount, Add	*33.60*	
		For Glow-In-Dark, Add	*84.00*	
		For Reflective Finish, Add	*94.50*	
10 14 23 00-0010	EA	>750 To 1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	80.07	8.54
		For >25 To 50, Deduct	*-6.30*	
		For >50 To 100, Deduct	*-15.75*	
		For >100, Deduct	*-18.90*	
		For Clear Glass Mount, Add	*50.40*	
		For Glow-In-Dark, Add	*126.00*	
		For Reflective Finish, Add	*141.75*	
10 14 23 00-0011	SI	>1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	0.09	0.01
		For Clear Glass Mount, Add	*0.06*	
		For Glow-In-Dark, Add	*0.14*	
		For Reflective Finish, Add	*0.16*	

10 14 23 00-0012 Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Signs

(10 14 23 00-0002)

Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.

10 14 23 00-0013	EA	Up To 25 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	21.79	8.54
		For >25 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-1.18*	
		For >100, Deduct	*-1.42*	
		For Glow-In-Dark, Add	*9.44*	
		For Reflective Finish, Add	*10.15*	
10 14 23 00-0014	EA	>25 To 50 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	24.42	8.54
		For >25 To 50, Deduct	*-0.74*	
		For >50 To 100, Deduct	*-1.84*	
		For >100, Deduct	*-2.21*	
		For Glow-In-Dark, Add	*14.70*	
		For Reflective Finish, Add	*15.80*	
10 14 23 00-0015	EA	>50 To 100 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	29.67	8.54
		For >25 To 50, Deduct	*-1.26*	
		For >50 To 100, Deduct	*-3.15*	
		For >100, Deduct	*-3.78*	
		For Glow-In-Dark, Add	*25.20*	
		For Reflective Finish, Add	*27.09*	
10 14 23 00-0016	EA	>100 To 250 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	34.92	8.54
		For >25 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-4.46*	
		For >100, Deduct	*-5.36*	
		For Glow-In-Dark, Add	*35.70*	
		For Reflective Finish, Add	*38.38*	
10 14 23 00-0017	EA	>250 To 500 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	42.79	8.54
		For >25 To 50, Deduct	*-2.57*	
		For >50 To 100, Deduct	*-6.43*	
		For >100, Deduct	*-7.72*	
		For Glow-In-Dark, Add	*51.44*	
		For Reflective Finish, Add	*55.30*	
10 14 23 00-0018	EA	>500 To 750 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	50.67	8.54
		For >25 To 50, Deduct	*-3.36*	
		For >50 To 100, Deduct	*-8.40*	
		For >100, Deduct	*-10.08*	
		For Glow-In-Dark, Add	*67.20*	
		For Reflective Finish, Add	*72.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 00-0019	EA	>750 To 1,000 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	59.07	8.54
		For >25 To 50, Deduct	*-4.20*	
		For >50 To 100, Deduct	*-10.50*	
		For >100, Deduct	*-12.60*	
		For Glow-In-Dark, Add	*84.00*	
		For Reflective Finish, Add	*90.30*	
10 14 23 00-0020	SI	>1,000 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	0.07	0.01
		For Glow-In-Dark, Add	*0.10*	
		For Reflective Finish, Add	*0.11*	

10 14 23 00-0021 Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille *(10 14 23 00-0002)*

Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.

10 14 23 00-0022	EA	Up To 25 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	29.67	8.54
		For >25 To 50, Deduct	*-1.26*	
		For >50 To 100, Deduct	*-3.15*	
		For >100, Deduct	*-3.78*	
		For Molded Plastic Frame, Add	*15.00*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*23.00*	
		For 2" Height Slider Channel For Custom Inserts, Add	*35.00*	
10 14 23 00-0023	EA	>25 To 50 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	32.82	8.54
		For >25 To 50, Deduct	*-1.58*	
		For >50 To 100, Deduct	*-3.94*	
		For >100, Deduct	*-4.73*	
		For Molded Plastic Frame, Add	*17.00*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*28.00*	
		For 2" Height Slider Channel For Custom Inserts, Add	*35.00*	
10 14 23 00-0024	EA	>50 To 75 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	38.07	8.54
		For >25 To 50, Deduct	*-2.10*	
		For >50 To 100, Deduct	*-5.25*	
		For >100, Deduct	*-6.30*	
		For Molded Plastic Frame, Add	*19.00*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*31.00*	
10 14 23 00-0025	EA	>75 To 100 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	43.01	8.54
		For >25 To 50, Deduct	*-2.59*	
		For >50 To 100, Deduct	*-6.49*	
		For >100, Deduct	*-7.78*	
		For Molded Plastic Frame, Add	*21.00*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*35.00*	
10 14 23 00-0026	SI	>100 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	0.46	0.09
		For Molded Plastic Frame, Add	*0.20*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*0.31*	

10 14 23 00-0027 Engraved Steel, Surface Mount, Indoor/Outdoor Signs *(10 14 23 00-0002)*

Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.

10 14 23 00-0028	EA	Up To 25 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	37.02	8.54
		For >25 To 50, Deduct	*-2.00*	
		For >50 To 100, Deduct	*-4.99*	
		For >100, Deduct	*-5.99*	
		For Molded Plastic Frame, Add	*15.00*	
10 14 23 00-0029	EA	>25 To 50 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	43.32	8.54
		For >25 To 50, Deduct	*-2.63*	
		For >50 To 100, Deduct	*-6.56*	
		For >100, Deduct	*-7.88*	
		For Molded Plastic Frame, Add	*17.00*	
10 14 23 00-0030	EA	>50 To 75 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	51.72	8.54
		For >25 To 50, Deduct	*-3.47*	
		For >50 To 100, Deduct	*-8.66*	
		For >100, Deduct	*-10.40*	
		For Molded Plastic Frame, Add	*19.00*	
10 14 23 00-0031	EA	>75 To 100 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	68.52	8.54
		For >25 To 50, Deduct	*-5.15*	
		For >50 To 100, Deduct	*-12.86*	
		For >100, Deduct	*-15.44*	
		For Molded Plastic Frame, Add	*21.00*	
10 14 23 00-0032	SI	>100 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	0.68	0.09
		For Molded Plastic Frame, Add	*0.20*	

10 14 23 00-0033 Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Signs *(10 14 23 00-0002)*

Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.

10 14 23 00-0034	EA	Up To 25 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	21.27	8.54
		For >25 To 50, Deduct	*-0.42*	
		For >50 To 100, Deduct	*-1.05*	
		For >100, Deduct	*-1.26*	
		For Glow-In-Dark, Add	*2.52*	
		For Reflective Finish, Add	*3.15*	
10 14 23 00-0035	EA	>25 To 50 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	24.42	8.54
		For >25 To 50, Deduct	*-0.74*	
		For >50 To 100, Deduct	*-1.84*	
		For >100, Deduct	*-2.21*	
		For Glow-In-Dark, Add	*4.41*	
		For Reflective Finish, Add	*5.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 00-0036	EA	>50 To 100 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	30.72	8.54
		For >25 To 50, Deduct	*-1.37*	
		For >50 To 100, Deduct	*-3.41*	
		For >100, Deduct	*-4.10*	
		For Glow-In-Dark, Add	*8.19*	
		For Reflective Finish, Add	*10.24*	
10 14 23 00-0037	EA	>100 To 250 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	38.07	8.54
		For >25 To 50, Deduct	*-2.10*	
		For >50 To 100, Deduct	*-5.25*	
		For >100, Deduct	*-6.30*	
		For Glow-In-Dark, Add	*12.60*	
		For Reflective Finish, Add	*15.75*	
10 14 23 00-0038	EA	>250 To 500 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	60.12	8.54
		For >25 To 50, Deduct	*-4.31*	
		For >50 To 100, Deduct	*-10.76*	
		For >100, Deduct	*-12.92*	
		For Glow-In-Dark, Add	*25.83*	
		For Reflective Finish, Add	*32.29*	
10 14 23 00-0039	EA	>500 To 750 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	69.57	8.54
		For >25 To 50, Deduct	*-5.25*	
		For >50 To 100, Deduct	*-13.13*	
		For >100, Deduct	*-15.75*	
		For Glow-In-Dark, Add	*31.50*	
		For Reflective Finish, Add	*39.38*	
10 14 23 00-0040	EA	>750 To 1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	82.17	8.54
		For >25 To 50, Deduct	*-6.51*	
		For >50 To 100, Deduct	*-16.28*	
		For >100, Deduct	*-19.53*	
		For Glow-In-Dark, Add	*39.06*	
		For Reflective Finish, Add	*48.83*	
10 14 23 00-0041	SI	>1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	0.09	0.01
		For Glow-In-Dark, Add	*0.04*	
		For Reflective Finish, Add	*0.05*	

10 14 23 00-0042 California Title 24, Surface Mount, Signs *(10 14 23 00-0002)*

10 14 23 00-0043 California Title 24, Surface Mount, Geometric Restroom Signs *(10 14 23 00-0042)*

Note: Includes 1/4" thick acrylic or PVC construction, color that contrasts with the door color, and with or without the international symbol of accessibility and staff only designation.

10 14 23 00-0044	EA	1/4" Thick, Equilateral Triangle With 12" Long Edges, California Title 24, Surface Mount, Geometric Male Restroom Sign	55.66	8.54
		For >25 To 50, Deduct	*-3.86*	
		For >50 To 100, Deduct	*-5.79*	
		For >100, Deduct	*-6.56*	
10 14 23 00-0045	EA	1/4" Thick, 12" Diameter, California Title 24, Surface Mount, Geometric Female Restroom Sign	55.66	8.54
		For >25 To 50, Deduct	*-3.86*	
		For >50 To 100, Deduct	*-5.79*	
		For >100, Deduct	*-6.56*	
10 14 23 00-0046	EA	1/4" Thick, 12" Diameter, California Title 24, Surface Mount, Geometric Unisex Restroom Sign Note: Includes contrasting color equilateral triangle with 12" long edges superimposed on the circle.	71.09	8.54
		For >25 To 50, Deduct	*-5.40*	
		For >50 To 100, Deduct	*-8.10*	
		For >100, Deduct	*-9.18*	

10 14 23 00-0047 California Title 24, Surface Mount, Stairwell Signs *(10 14 23 00-0042)*

Note: Includes 1/16" matte finish colored polymer face plate with 1/16" acrylic backer. Includes information on stairway location, roof access availability, floor level number, basement or mezzanine level identification and exit level and direction.

10 14 23 00-0048	EA	1/8" Thick, 12" x 18", California Title 24, Surface Mount, Stairwell Sign	104.17	8.54
		For >25 To 50, Deduct	*-8.71*	
		For >50 To 100, Deduct	*-13.07*	
		For >100, Deduct	*-14.81*	

10 14 23 00-0049 Ceiling Mount, Indoor/Outdoor Signs *(10 14 23 00-0001)*

10 14 23 00-0050 Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Signs *(10 14 23 00-0049)*

10 14 23 00-0051	EA	Up To 25 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	29.68	11.96
		For >25 To 50, Deduct	*-0.58*	
		For >50 To 100, Deduct	*-1.45*	
		For >100, Deduct	*-1.73*	
		For Glow-In-Dark, Add	*3.47*	
		For Reflective Finish, Add	*4.34*	
10 14 23 00-0052	EA	>25 To 50 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	34.40	11.96
		For >25 To 50, Deduct	*-1.05*	
		For >50 To 100, Deduct	*-2.63*	
		For >100, Deduct	*-3.15*	
		For Glow-In-Dark, Add	*6.30*	
		For Reflective Finish, Add	*7.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 00-0053	EA	>50 To 100 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	40.70	11.96
		For >25 To 50, Deduct	*-1.68*	
		For >50 To 100, Deduct	*-4.20*	
		For >100, Deduct	*-5.04*	
		For Glow-In-Dark, Add	*10.08*	
		For Reflective Finish, Add	*12.60*	
10 14 23 00-0054	EA	>100 To 150 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	50.15	11.96
		For >25 To 50, Deduct	*-2.63*	
		For >50 To 100, Deduct	*-6.56*	
		For >100, Deduct	*-7.88*	
		For Glow-In-Dark, Add	*15.75*	
		For Reflective Finish, Add	*19.69*	

10 14 23 00-0055 90 Degree, Projection Mount, Indoor/Outdoor Signs *(10 14 23 00-0001)*

10 14 23 00-0056 Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Signs *(10 14 23 00-0055)*

10 14 23 00-0057	EA	Up To 25 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	30.20	11.96
		For >25 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.58*	
		For >100, Deduct	*-1.89*	
		For Glow-In-Dark, Add	*3.78*	
		For Reflective Finish, Add	*4.73*	
10 14 23 00-0058	EA	>25 To 50 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	35.45	11.96
		For >25 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.89*	
		For >100, Deduct	*-3.47*	
		For Glow-In-Dark, Add	*6.93*	
		For Reflective Finish, Add	*8.66*	
10 14 23 00-0059	EA	>50 To 100 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	47.00	11.96
		For >25 To 50, Deduct	*-2.31*	
		For >50 To 100, Deduct	*-5.78*	
		For >100, Deduct	*-6.93*	
		For Glow-In-Dark, Add	*13.86*	
		For Reflective Finish, Add	*17.33*	
10 14 23 00-0060	EA	>100 To 150 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	51.20	11.96
		For >25 To 50, Deduct	*-2.73*	
		For >50 To 100, Deduct	*-6.83*	
		For >100, Deduct	*-8.19*	
		For Glow-In-Dark, Add	*16.38*	
		For Reflective Finish, Add	*20.48*	

10 14 23 00-0061 Triangle, Projection Mount, Indoor/Outdoor Signs *(10 14 23 00-0001)*

10 14 23 00-0062 Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Signs *(10 14 23 00-0061)*

10 14 23 00-0063	EA	Up To 25 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	31.78	11.96
		For >25 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.97*	
		For >100, Deduct	*-2.36*	
		For Glow-In-Dark, Add	*4.73*	
		For Reflective Finish, Add	*5.91*	
10 14 23 00-0064	EA	>25 To 50 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	39.65	11.96
		For >25 To 50, Deduct	*-1.58*	
		For >50 To 100, Deduct	*-3.94*	
		For >100, Deduct	*-4.73*	
		For Glow-In-Dark, Add	*9.45*	
		For Reflective Finish, Add	*11.81*	
10 14 23 00-0065	EA	>50 To 100 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	42.80	11.96
		For >25 To 50, Deduct	*-1.89*	
		For >50 To 100, Deduct	*-4.73*	
		For >100, Deduct	*-5.67*	
		For Glow-In-Dark, Add	*11.34*	
		For Reflective Finish, Add	*14.18*	
10 14 23 00-0066	EA	>100 To 150 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	47.00	11.96
		For >25 To 50, Deduct	*-2.31*	
		For >50 To 100, Deduct	*-5.78*	
		For >100, Deduct	*-6.93*	
		For Glow-In-Dark, Add	*13.86*	
		For Reflective Finish, Add	*17.33*	

10 14 23 00-0067 Adhesive Backed Vinyl Characters *(10 14 23)*

Note: Includes capital or lower case letters in any font or color. Includes numbers, symbols, punctuation marks, etc. Includes adhesive.

10 14 23 00-0068	EA	1/2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	2.06	0.68
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*0.34*	
10 14 23 00-0069	EA	3/4" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	2.13	0.78
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*0.36*	
10 14 23 00-0070	EA	1" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	2.19	0.89
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*0.37*	
10 14 23 00-0071	EA	1-1/2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	2.98	1.02
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*0.48*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 00-0072	EA	2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	3.07	1.19
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*0.50*	
10 14 23 00-0073	EA	3" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	4.31	1.36
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*0.72*	
10 14 23 00-0074	EA	4" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	4.58	1.53
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*0.79*	
10 14 23 00-0075	EA	6" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	6.09	1.71
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*1.08*	
10 14 23 00-0076	EA	8" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	7.18	1.88
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*1.35*	
10 14 23 00-0077	EA	10" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	9.14	2.05
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*1.75*	

10 14 23 00-0078 Removal And Reinstallation Of Building Signage *(10 14 23)*

Note: Includes storage and cleaning.

10 14 23 00-0079	EA	Remove And Reinstall Building Signage, Exterior Up To 4 SF	137.08	
10 14 23 00-0080	EA	Remove And Reinstall Building Signage, Exterior >4 To 12 SF	157.79	
10 14 23 00-0081	EA	Remove And Reinstall Building Signage, >12 To 20 SF	177.38	
10 14 23 00-0082	EA	Remove And Reinstall Interior Door And Office Signage, Up To 4SF	51.23	

10 14 23 00-0083 Building Sign *(10 14 23)*

Note: Includes 4" numbers painted on. Installed on building.

10 14 23 00-0084	EA	6" x 18" Metal Building Sign With Numbers	147.21	20.50
10 14 23 00-0085	SF	Double Sided, Molding On Two Sides, For Mounting On Aluminum Posts	37.54	5.49
10 14 23 00-0086	SF	Single Sided, Molding On One Side, For Mounting On Structure Up To 20'	27.79	5.09
10 14 23 00-0087	EA	Aluminum Posts, Formed Prefinished, Ribbed, 4" Square, 6' High, 3' Deep	14.28	4.31
10 14 23 00-0088	EA	Aluminum Posts, Formed Prefinished, Ribbed, 4" Square, 8' High, 3' Deep	16.22	4.70
10 14 23 00-0089	EA	Aluminum Posts, Formed Prefinished, Ribbed, 6" Square, 10' High, 3' Deep	17.72	5.09
10 14 23 00-0090	EA	Aluminum Posts, Formed Prefinished, Ribbed, 6" Square, 15' High, 4' Deep	20.39	5.49

10 14 53 Traffic Signage *(10 14)*

10 14 53 00-0001 Traffic Signs *(10 14 53)*

10 14 53 00-0002 Reflectorized Stop Signs And Other Traffic Signs *(10 14 53 00-0001)*

Note: Excludes posts.

10 14 53 00-0003 Aluminum Engineer Grade Stop Signs *(10 14 53 00-0002)*

10 14 53 00-0004	EA	18" x 18" Aluminum Engineer Grade Stop Sign	52.19	15.37
		For Hi-Intensity Grade, Add	*6.44*	
		For Diamond Grade, Add	*12.23*	
10 14 53 00-0005	EA	18" x 24" Aluminum Engineer Grade Stop Sign	60.50	16.26
		For Hi-Intensity Grade, Add	*8.42*	
		For Diamond Grade, Add	*15.99*	
10 14 53 00-0006	EA	24" x 24" Aluminum Engineer Grade Stop Sign	65.51	17.07
		For Hi-Intensity Grade, Add	*12.85*	
		For Diamond Grade, Add	*20.38*	
10 14 53 00-0007	EA	30" x 30" Aluminum Engineer Grade Stop Sign	76.01	17.97
		For Hi-Intensity Grade, Add	*4.82*	
		For Diamond Grade, Add	*26.10*	
10 14 53 00-0008	EA	36" x 36" Aluminum Engineer Grade Stop Sign	101.92	18.79
		For Hi-Intensity Grade, Add	*14.16*	
		For Diamond Grade, Add	*44.40*	

10 14 53 00-0009 Other Reflectorized Traffic Signs *(10 14 53 00-0002)*

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

10 14 53 00-0010 Aluminum Engineer Grade Traffic Signs *(10 14 53 00-0009)*

10 14 53 00-0011	EA	6" x 12" Aluminum Engineer Grade Traffic Sign	32.64	13.66
		For Hi-Intensity Grade, Add	*1.59*	
10 14 53 00-0012	EA	6" x 18" Aluminum Engineer Grade Traffic Sign	35.30	13.66
		For Hi-Intensity Grade, Add	*2.39*	
10 14 53 00-0013	EA	9" x 12" Aluminum Engineer Grade Traffic Sign	35.30	13.66
		For Hi-Intensity Grade, Add	*2.39*	
10 14 53 00-0014	EA	9" x 15" Aluminum Engineer Grade Traffic Sign	37.29	13.66
		For Hi-Intensity Grade, Add	*2.99*	
10 14 53 00-0015	EA	9" x 18" Aluminum Engineer Grade Traffic Sign	39.29	13.66
		For Hi-Intensity Grade, Add	*3.59*	
10 14 53 00-0016	EA	9" x 24" Aluminum Engineer Grade Traffic Sign	44.97	14.52
		For Hi-Intensity Grade, Add	*4.78*	
10 14 53 00-0017	EA	9" x 48" Aluminum Engineer Grade Traffic Sign	60.91	14.52
		For Hi-Intensity Grade, Add	*9.56*	
10 14 53 00-0018	EA	12" x 12" Aluminum Engineer Grade Traffic Sign	37.96	13.66
		For Hi-Intensity Grade, Add	*3.19*	
10 14 53 00-0019	EA	12" x 18" Aluminum Engineer Grade Traffic Sign	44.97	14.52
		For Hi-Intensity Grade, Add	*4.78*	
10 14 53 00-0020	EA	12" x 24" Aluminum Engineer Grade Traffic Sign	50.28	14.52
		For Hi-Intensity Grade, Add	*6.38*	
10 14 53 00-0021	EA	12" x 30" Aluminum Engineer Grade Traffic Sign	55.60	14.52
		For Hi-Intensity Grade, Add	*7.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 00-0022	EA	12" x 36" Aluminum Engineer Grade Traffic Sign	60.91	14.52
		For Hi-Intensity Grade, Add	*9.56*	
10 14 53 00-0023	EA	18" x 18" Aluminum Engineer Grade Traffic Sign	52.94	14.52
		For Hi-Intensity Grade, Add	*7.17*	
10 14 53 00-0024	EA	18" x 24" Aluminum Engineer Grade Traffic Sign	60.91	14.52
		For Hi-Intensity Grade, Add	*9.56*	
10 14 53 00-0025	EA	18" x 30" Aluminum Engineer Grade Traffic Sign	70.59	15.37
		For Hi-Intensity Grade, Add	*11.96*	
10 14 53 00-0026	EA	18" x 36" Aluminum Engineer Grade Traffic Sign	78.56	15.37
		For Hi-Intensity Grade, Add	*14.35*	
10 14 53 00-0027	EA	18" x 48" Aluminum Engineer Grade Traffic Sign	101.33	18.79
		For Hi-Intensity Grade, Add	*19.13*	
10 14 53 00-0028	EA	18" x 54" Aluminum Engineer Grade Traffic Sign	109.30	18.79
		For Hi-Intensity Grade, Add	*21.52*	
10 14 53 00-0029	EA	24" x 24" Aluminum Engineer Grade Traffic Sign	73.25	15.37
		For Hi-Intensity Grade, Add	*12.75*	
10 14 53 00-0030	EA	24" x 30" Aluminum Engineer Grade Traffic Sign	83.88	15.37
		For Hi-Intensity Grade, Add	*15.94*	
10 14 53 00-0031	EA	24" x 36" Aluminum Engineer Grade Traffic Sign	94.50	15.37
		For Hi-Intensity Grade, Add	*19.13*	
10 14 53 00-0032	EA	24" x 42" Aluminum Engineer Grade Traffic Sign	111.96	18.79
		For Hi-Intensity Grade, Add	*22.32*	
10 14 53 00-0033	EA	24" x 48" Aluminum Engineer Grade Traffic Sign	122.59	18.79
		For Hi-Intensity Grade, Add	*25.51*	
10 14 53 00-0034	EA	24" x 54" Aluminum Engineer Grade Traffic Sign	133.21	18.79
		For Hi-Intensity Grade, Add	*28.69*	
10 14 53 00-0035	EA	24" x 60" Aluminum Engineer Grade Traffic Sign	143.84	18.79
		For Hi-Intensity Grade, Add	*31.88*	
10 14 53 00-0036	EA	30" x 30" Aluminum Engineer Grade Traffic Sign	97.16	15.37
		For Hi-Intensity Grade, Add	*19.93*	
10 14 53 00-0037	EA	30" x 36" Aluminum Engineer Grade Traffic Sign	117.27	18.79
		For Hi-Intensity Grade, Add	*23.91*	
10 14 53 00-0038	EA	30" x 42" Aluminum Engineer Grade Traffic Sign	130.56	18.79
		For Hi-Intensity Grade, Add	*27.90*	
10 14 53 00-0039	EA	30" x 48" Aluminum Engineer Grade Traffic Sign	150.67	22.20
		For Hi-Intensity Grade, Add	*31.88*	
10 14 53 00-0040	EA	30" x 60" Aluminum Engineer Grade Traffic Sign	184.07	25.62
		For Hi-Intensity Grade, Add	*39.85*	
10 14 53 00-0041	EA	36" x 36" Aluminum Engineer Grade Traffic Sign	133.21	18.79
		For Hi-Intensity Grade, Add	*28.69*	
10 14 53 00-0042	EA	36" x 42" Aluminum Engineer Grade Traffic Sign	155.99	22.20
		For Hi-Intensity Grade, Add	*33.48*	
10 14 53 00-0043	EA	36" x 48" Aluminum Engineer Grade Traffic Sign	178.76	25.62
		For Hi-Intensity Grade, Add	*38.26*	
10 14 53 00-0044	EA	36" x 54" Aluminum Engineer Grade Traffic Sign	194.70	25.62
		For Hi-Intensity Grade, Add	*43.04*	
10 14 53 00-0045	EA	36" x 60" Aluminum Engineer Grade Traffic Sign	217.48	29.03
		For Hi-Intensity Grade, Add	*47.82*	
10 14 53 00-0046	EA	36" x 73" Aluminum Engineer Grade Traffic Sign	258.85	32.45
		For Hi-Intensity Grade, Add	*58.19*	
10 14 53 00-0047	EA	36" x 78" Aluminum Engineer Grade Traffic Sign	272.13	32.45
		For Hi-Intensity Grade, Add	*62.17*	
10 14 53 00-0048	EA	36" x 108" Aluminum Engineer Grade Traffic Sign	362.08	37.57
		For Hi-Intensity Grade, Add	*86.08*	
10 14 53 00-0049	EA	42" x 42" Aluminum Engineer Grade Traffic Sign	181.41	25.62
		For Hi-Intensity Grade, Add	*39.05*	
10 14 53 00-0050	EA	48" x 48" Aluminum Engineer Grade Traffic Sign	228.11	29.03
		For Hi-Intensity Grade, Add	*51.01*	
10 14 53 00-0051	EA	48" x 54" Aluminum Engineer Grade Traffic Sign	256.19	32.45
		For Hi-Intensity Grade, Add	*57.39*	
10 14 53 00-0052	EA	48" x 60" Aluminum Engineer Grade Traffic Sign	277.44	32.45
		For Hi-Intensity Grade, Add	*63.76*	
10 14 53 00-0053	EA	48" x 66" Aluminum Engineer Grade Traffic Sign	308.95	37.57
		For Hi-Intensity Grade, Add	*70.14*	
10 14 53 00-0054	EA	48" x 72" Aluminum Engineer Grade Traffic Sign	330.20	37.57
		For Hi-Intensity Grade, Add	*76.52*	
10 14 53 00-0055	EA	48" x 84" Aluminum Engineer Grade Traffic Sign	379.54	40.99
		For Hi-Intensity Grade, Add	*89.27*	
10 14 53 00-0056	EA	48" x 96" Aluminum Engineer Grade Traffic Sign	422.05	40.99
		For Hi-Intensity Grade, Add	*102.02*	
10 14 53 00-0057	EA	48" x 102" Aluminum Engineer Grade Traffic Sign	443.30	40.99
		For Hi-Intensity Grade, Add	*108.40*	
10 14 53 00-0058	EA	48" x 108" Aluminum Engineer Grade Traffic Sign	467.97	42.70
		For Hi-Intensity Grade, Add	*114.77*	
10 14 53 00-0059	EA	60" x 72" Aluminum Engineer Grade Traffic Sign	400.80	40.99
		For Hi-Intensity Grade, Add	*95.65*	
10 14 53 00-0060	EA	72" x 144" Aluminum Engineer Grade Traffic Sign	874.46	54.65
		For Hi-Intensity Grade, Add	*229.55*	
10 14 53 00-0061	EA	78" x 96" Aluminum Engineer Grade Traffic Sign	638.00	42.70
		For Hi-Intensity Grade, Add	*165.78*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 00-0062		Non-Reflectorized Traffic Signs *(10 14 53 00-0001)*		
		Note: Includes reserved parking, handicap parking, visitor parking, no parking, tow away zones, etc. Excludes posts.		
10 14 53 00-0063		Steel Non-Reflectorized Traffic Signs *(10 14 53 00-0062)*		
10 14 53 00-0064	EA	6" x 12" Steel Non Reflectorized Traffic Sign	31.92	13.66
10 14 53 00-0065	EA	6" x 18" Steel Non Reflectorized Traffic Sign	34.22	13.66
10 14 53 00-0066	EA	9" x 12" Steel Non Reflectorized Traffic Sign	34.22	13.66
10 14 53 00-0067	EA	9" x 15" Steel Non Reflectorized Traffic Sign	35.94	13.66
10 14 53 00-0068	EA	9" x 18" Steel Non Reflectorized Traffic Sign	37.67	13.66
10 14 53 00-0069	EA	9" x 24" Steel Non Reflectorized Traffic Sign	42.81	14.52
10 14 53 00-0070	EA	9" x 48" Steel Non Reflectorized Traffic Sign	56.59	14.52
10 14 53 00-0071	EA	12" x 12" Steel Non Reflectorized Traffic Sign	36.52	13.66
10 14 53 00-0072	EA	12" x 18" Steel Non Reflectorized Traffic Sign	42.81	14.52
10 14 53 00-0073	EA	12" x 24" Steel Non Reflectorized Traffic Sign	47.40	14.52
10 14 53 00-0074	EA	12" x 30" Steel Non Reflectorized Traffic Sign	52.00	14.52
10 14 53 00-0075	EA	12" x 36" Steel Non Reflectorized Traffic Sign	56.59	14.52
10 14 53 00-0076	EA	18" x 18" Steel Non Reflectorized Traffic Sign	49.70	14.52
10 14 53 00-0077	EA	18" x 24" Steel Non Reflectorized Traffic Sign	56.59	14.52
10 14 53 00-0078	EA	18" x 30" Steel Non Reflectorized Traffic Sign	65.19	15.37
10 14 53 00-0079	EA	18" x 36" Steel Non Reflectorized Traffic Sign	72.08	15.37
10 14 53 00-0080	EA	18" x 48" Steel Non Reflectorized Traffic Sign	92.69	18.79
10 14 53 00-0081	EA	18" x 54" Steel Non Reflectorized Traffic Sign	99.58	18.79
10 14 53 00-0082	EA	24" x 24" Steel Non Reflectorized Traffic Sign	67.49	15.37
10 14 53 00-0083	EA	24" x 30" Steel Non Reflectorized Traffic Sign	76.68	15.37
10 14 53 00-0084	EA	24" x 36" Steel Non Reflectorized Traffic Sign	85.86	15.37
10 14 53 00-0085	EA	24" x 42" Steel Non Reflectorized Traffic Sign	101.88	18.79
10 14 53 00-0086	EA	24" x 48" Steel Non Reflectorized Traffic Sign	111.07	18.79
10 14 53 00-0087	EA	24" x 54" Steel Non Reflectorized Traffic Sign	120.25	18.79
10 14 53 00-0088	EA	24" x 60" Steel Non Reflectorized Traffic Sign	129.44	18.79
10 14 53 00-0089	EA	30" x 30" Steel Non Reflectorized Traffic Sign	88.16	15.37
10 14 53 00-0090	EA	30" x 36" Steel Non Reflectorized Traffic Sign	106.47	18.79
10 14 53 00-0091	EA	30" x 42" Steel Non Reflectorized Traffic Sign	117.96	18.79
10 14 53 00-0092	EA	30" x 48" Steel Non Reflectorized Traffic Sign	136.27	22.20
10 14 53 00-0093	EA	30" x 60" Steel Non Reflectorized Traffic Sign	166.07	25.62
10 14 53 00-0094	EA	36" x 36" Steel Non Reflectorized Traffic Sign	120.25	18.79
10 14 53 00-0095	EA	36" x 42" Steel Non Reflectorized Traffic Sign	140.87	22.20
10 14 53 00-0096	EA	36" x 48" Steel Non Reflectorized Traffic Sign	161.48	25.62
10 14 53 00-0097	EA	36" x 54" Steel Non Reflectorized Traffic Sign	175.26	25.62
10 14 53 00-0098	EA	36" x 60" Steel Non Reflectorized Traffic Sign	195.88	29.03
10 14 53 00-0099	EA	36" x 73" Steel Non Reflectorized Traffic Sign	232.57	32.45
10 14 53 00-0100	EA	36" x 78" Steel Non Reflectorized Traffic Sign	244.05	32.45
10 14 53 00-0101	EA	36" x 108" Steel Non Reflectorized Traffic Sign	323.20	37.57
10 14 53 00-0102	EA	42" x 42" Steel Non Reflectorized Traffic Sign	163.77	25.62
10 14 53 00-0103	EA	48" x 48" Steel Non Reflectorized Traffic Sign	205.07	29.03
10 14 53 00-0104	EA	48" x 54" Steel Non Reflectorized Traffic Sign	230.27	32.45
10 14 53 00-0105	EA	48" x 60" Steel Non Reflectorized Traffic Sign	248.64	32.45
10 14 53 00-0106	EA	48" x 66" Steel Non Reflectorized Traffic Sign	277.27	37.57
10 14 53 00-0107	EA	48" x 72" Steel Non Reflectorized Traffic Sign	295.64	37.57
10 14 53 00-0108	EA	48" x 84" Steel Non Reflectorized Traffic Sign	339.22	40.99
10 14 53 00-0109	EA	48" x 96" Steel Non Reflectorized Traffic Sign	375.97	40.99
10 14 53 00-0110	EA	48" x 102" Steel Non Reflectorized Traffic Sign	394.34	40.99
10 14 53 00-0111	EA	48" x 108" Steel Non Reflectorized Traffic Sign	416.13	42.70
10 14 53 00-0112	EA	60" x 72" Steel Non Reflectorized Traffic Sign	357.60	40.99
10 14 53 00-0113	EA	72" x 144" Steel Non Reflectorized Traffic Sign	770.78	54.65
10 14 53 00-0114	EA	78" x 96" Steel Non Reflectorized Traffic Sign	563.12	42.70
10 14 53 00-0115		Aluminum Non-Reflectorized Traffic Signs *(10 14 53 00-0062)*		
10 14 53 00-0116	EA	6" x 12" Aluminum Non Reflectorized Traffic Sign	32.11	13.66
10 14 53 00-0117	EA	6" x 18" Aluminum Non Reflectorized Traffic Sign	34.50	13.66
10 14 53 00-0118	EA	9" x 12" Aluminum Non Reflectorized Traffic Sign	34.50	13.66
10 14 53 00-0119	EA	9" x 15" Aluminum Non Reflectorized Traffic Sign	36.29	13.66
10 14 53 00-0120	EA	9" x 18" Aluminum Non Reflectorized Traffic Sign	38.09	13.66
10 14 53 00-0121	EA	9" x 24" Aluminum Non Reflectorized Traffic Sign	43.37	14.52
10 14 53 00-0122	EA	9" x 48" Aluminum Non Reflectorized Traffic Sign	57.71	14.52
10 14 53 00-0123	EA	12" x 12" Aluminum Non Reflectorized Traffic Sign	36.89	13.66
10 14 53 00-0124	EA	12" x 18" Aluminum Non Reflectorized Traffic Sign	43.37	14.52
10 14 53 00-0125	EA	12" x 24" Aluminum Non Reflectorized Traffic Sign	48.15	14.52
10 14 53 00-0126	EA	12" x 30" Aluminum Non Reflectorized Traffic Sign	52.93	14.52
10 14 53 00-0127	EA	12" x 36" Aluminum Non Reflectorized Traffic Sign	57.71	14.52
10 14 53 00-0128	EA	18" x 18" Aluminum Non Reflectorized Traffic Sign	50.54	14.52
10 14 53 00-0129	EA	18" x 24" Aluminum Non Reflectorized Traffic Sign	57.71	14.52
10 14 53 00-0130	EA	18" x 30" Aluminum Non Reflectorized Traffic Sign	66.60	15.37
10 14 53 00-0131	EA	18" x 36" Aluminum Non Reflectorized Traffic Sign	73.77	15.37
10 14 53 00-0132	EA	18" x 48" Aluminum Non Reflectorized Traffic Sign	94.94	18.79
10 14 53 00-0133	EA	18" x 54" Aluminum Non Reflectorized Traffic Sign	102.11	18.79
10 14 53 00-0134	EA	24" x 24" Aluminum Non Reflectorized Traffic Sign	68.99	15.37
10 14 53 00-0135	EA	24" x 30" Aluminum Non Reflectorized Traffic Sign	78.55	15.37
10 14 53 00-0136	EA	24" x 36" Aluminum Non Reflectorized Traffic Sign	88.11	15.37
10 14 53 00-0137	EA	24" x 42" Aluminum Non Reflectorized Traffic Sign	104.50	18.79

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 00-0138	EA	24" x 48" Aluminum Non Reflectorized Traffic Sign	114.06	18.79
10 14 53 00-0139	EA	24" x 54" Aluminum Non Reflectorized Traffic Sign	123.62	18.79
10 14 53 00-0140	EA	24" x 60" Aluminum Non Reflectorized Traffic Sign	133.19	18.79
10 14 53 00-0141	EA	30" x 30" Aluminum Non Reflectorized Traffic Sign	90.50	15.37
10 14 53 00-0142	EA	30" x 36" Aluminum Non Reflectorized Traffic Sign	109.28	18.79
10 14 53 00-0143	EA	30" x 42" Aluminum Non Reflectorized Traffic Sign	121.23	18.79
10 14 53 00-0144	EA	30" x 48" Aluminum Non Reflectorized Traffic Sign	140.02	22.20
10 14 53 00-0145	EA	30" x 60" Aluminum Non Reflectorized Traffic Sign	170.75	25.62
10 14 53 00-0146	EA	36" x 36" Aluminum Non Reflectorized Traffic Sign	123.62	18.79
10 14 53 00-0147	EA	36" x 42" Aluminum Non Reflectorized Traffic Sign	144.80	22.20
10 14 53 00-0148	EA	36" x 48" Aluminum Non Reflectorized Traffic Sign	165.97	25.62
10 14 53 00-0149	EA	36" x 54" Aluminum Non Reflectorized Traffic Sign	180.31	25.62
10 14 53 00-0150	EA	36" x 60" Aluminum Non Reflectorized Traffic Sign	201.49	29.03
10 14 53 00-0151	EA	36" x 73" Aluminum Non Reflectorized Traffic Sign	239.40	32.45
10 14 53 00-0152	EA	36" x 78" Aluminum Non Reflectorized Traffic Sign	251.35	32.45
10 14 53 00-0153	EA	36" x 108" Aluminum Non Reflectorized Traffic Sign	333.31	37.57
10 14 53 00-0154	EA	42" x 42" Aluminum Non Reflectorized Traffic Sign	168.36	25.62
10 14 53 00-0155	EA	48" x 48" Aluminum Non Reflectorized Traffic Sign	211.06	29.03
10 14 53 00-0156	EA	48" x 54" Aluminum Non Reflectorized Traffic Sign	237.01	32.45
10 14 53 00-0157	EA	48" x 60" Aluminum Non Reflectorized Traffic Sign	256.13	32.45
10 14 53 00-0158	EA	48" x 66" Aluminum Non Reflectorized Traffic Sign	285.51	37.57
10 14 53 00-0159	EA	48" x 72" Aluminum Non Reflectorized Traffic Sign	304.63	37.57
10 14 53 00-0160	EA	48" x 84" Aluminum Non Reflectorized Traffic Sign	349.70	40.99
10 14 53 00-0161	EA	48" x 96" Aluminum Non Reflectorized Traffic Sign	387.95	40.99
10 14 53 00-0162	EA	48" x 102" Aluminum Non Reflectorized Traffic Sign	407.07	40.99
10 14 53 00-0163	EA	48" x 108" Aluminum Non Reflectorized Traffic Sign	429.61	42.70
10 14 53 00-0164	EA	60" x 72" Aluminum Non Reflectorized Traffic Sign	368.83	40.99
10 14 53 00-0165	EA	72" x 144" Aluminum Non Reflectorized Traffic Sign	797.74	54.65
10 14 53 00-0166	EA	78" x 96" Aluminum Non Reflectorized Traffic Sign	582.59	42.70

10 14 53 00-0167 Aluminum Street Signs *(10 14 53 00-0001)*
Note: Excludes posts.

10 14 53 00-0168 Aluminum Engineer Grade Street Signs *(10 14 53 00-0167)*

10 14 53 00-0169	EA	6" High, Aluminum Engineer Grade Street Sign	57.60	6.83
10 14 53 00-0170	EA	8" High, Aluminum Engineer Grade Street Sign	65.36	6.83
10 14 53 00-0171	EA	9" High, Aluminum Engineer Grade Street Sign	71.14	6.83

10 14 53 00-0172 Street Sign Accessories *(10 14 53 00-0167)*

10 14 53 00-0173	EA	Post Cap And Single Bracket For Street Sign	17.40	3.41
10 14 53 00-0174	EA	Post Cap And Double Bracket For Street Sign	17.40	3.41

10 14 53 00-0175 Sign Posts *(10 14 53 00-0001)*
Note: Excludes sign. See CSI section 32 31 13 00-0001 for auguring of holes and backfill.

10 14 53 00-0176 U-Channel Sign Posts *(10 14 53 00-0175)*
Note: Excludes digging and concrete.

10 14 53 00-0177 Baked Enamel U-Channel Sign Posts *(10 14 53 00-0176)*

10 14 53 00-0178	EA	3' To 4' Baked Enamel U-Channel Sign Post Base	46.21	13.93
10 14 53 00-0179	EA	6' Baked Enamel U-Channel Sign Post	60.62	17.41
10 14 53 00-0180	EA	7' Baked Enamel U-Channel Sign Post	72.39	20.90
10 14 53 00-0181	EA	8' Baked Enamel U-Channel Sign Post	84.76	24.38
10 14 53 00-0182	EA	10' Baked Enamel U-Channel Sign Post	102.27	29.61
10 14 53 00-0183	EA	12' Baked Enamel U-Channel Sign Post	105.21	29.61

10 14 53 00-0184 Galvanized Steel U-Channel Sign Posts *(10 14 53 00-0176)*

10 14 53 00-0185	EA	3' To 4' Galvanized Steel U-Channel Sign Post Base	49.99	13.93
10 14 53 00-0186	EA	6' Galvanized Steel U-Channel Sign Post	66.62	17.41
10 14 53 00-0187	EA	7' Galvanized Steel U-Channel Sign Post	85.96	20.90
10 14 53 00-0188	EA	8' Galvanized Steel U-Channel Sign Post	99.76	24.38
10 14 53 00-0189	EA	10' Galvanized Steel U-Channel Sign Post	113.19	29.61
10 14 53 00-0190	EA	12' Galvanized Steel U-Channel Sign Post	114.71	29.61

10 14 53 00-0191 Fiberglass Or Composite Plastic U-Channel Sign Posts *(10 14 53 00-0176)*

10 14 53 00-0192	EA	3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base	45.32	13.93
10 14 53 00-0193	EA	6' Fiberglass Or Composite Plastic U-Channel Sign Post	58.68	17.41
10 14 53 00-0194	EA	7' Fiberglass Or Composite Plastic U-Channel Sign Post	70.05	20.90
10 14 53 00-0195	EA	8' Fiberglass Or Composite Plastic U-Channel Sign Post	81.97	24.38
10 14 53 00-0196	EA	10' Fiberglass Or Composite Plastic U-Channel Sign Post	97.21	29.61
10 14 53 00-0197	EA	12' Fiberglass Or Composite Plastic U-Channel Sign Post	102.21	29.61

10 14 53 00-0198 Tubular Sign Posts *(10 14 53 00-0175)*
Note: Excludes digging and concrete.

10 14 53 00-0199 2-3/8" Diameter, Galvanized Steel Tubular Sign Post *(10 14 53 00-0198)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 00-0200	EA	6', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	67.24	17.41
10 14 53 00-0201	EA	7', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	79.80	20.90
10 14 53 00-0202	EA	8', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	94.26	24.38
10 14 53 00-0203	EA	10', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	121.40	29.61
10 14 53 00-0204	EA	12', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	131.70	29.61
10 14 53 00-0205		Square Sign Posts *(10 14 53 00-0175)*		
		Note: Excludes digging and concrete.		
10 14 53 00-0206		Galvanized Steel Square Sign Posts *(10 14 53 00-0205)*		
10 14 53 00-0207	EA	3' To 4' Galvanized Steel Square Sign Post Base	50.83	13.93
10 14 53 00-0208	EA	6' Galvanized Steel Square Sign Post	80.83	17.41
10 14 53 00-0209	EA	7' Galvanized Steel Square Sign Post	94.80	20.90
10 14 53 00-0210	EA	8' Galvanized Steel Square Sign Post	110.58	24.38
10 14 53 00-0211	EA	10' Galvanized Steel Square Sign Post	135.02	29.61
10 14 53 00-0212	EA	12' Galvanized Steel Square Sign Post	142.21	29.61
10 14 53 00-0213		Sign Post Accessories *(10 14 53 00-0001)*		
10 14 53 00-0214		Sign Post Brackets *(10 14 53 00-0213)*		
10 14 53 00-0215	EA	2-3/8" Outside Diameter, Single Sign Bracket Set	22.93	5.13
10 14 53 00-0216	EA	2-3/8" Outside Diameter, Double Sign Bracket Set	41.36	8.54
10 14 53 00-0217	EA	10 cm - 37 cm Diameter, Buckle Bracket Set	35.65	6.83
10 14 53 00-0218		Sign Post Caps *(10 14 53 00-0213)*		
10 14 53 00-0219	EA	Traffic Sign Post Cap	12.72	3.41
10 14 53 00-0220		Sign Post Replacement Bolts *(10 14 53 00-0213)*		
10 14 53 00-0221	EA	Signage Fasteners, 2 Bolts, 2 Nuts And 4 Washers	8.82	
10 14 53 00-0222		Removal Of Signs *(10 14 53)*		
		Note: Includes structural supports.		
10 14 53 00-0223	EA	>4 To 10 SF Sign Area, Sign Removal	136.63	
10 14 53 00-0224	EA	>10 To 20 SF Sign Area, Sign Removal	327.91	
10 14 53 00-0225	EA	>20 To 40 SF Sign Area, Sign Removal	491.86	
10 14 53 00-0226	EA	>40 To 100 SF Sign Area, Sign Removal	775.38	
10 14 53 00-0227		Remove And Reinstall Signs *(10 14 53)*		
		Note: Includes structural supports.		
10 14 53 00-0228	EA	>4 To 10 SF Sign Area, Remove And Reinstall Sign	208.24	
10 14 53 00-0229	EA	>10 To 20 SF Sign Area, Remove And Reinstall Sign	494.21	
10 14 53 00-0230	EA	>20 SF To 40 SF Sign Area, Remove And Reinstall Sign	739.78	
10 14 53 00-0231	EA	>40 SF To 100 SF Sign Area, Remove And Reinstall Sign	1,164.93	
10 14 53 00-0232	EA	Remove And Reinstall Street Sign On Post	78.56	
10 14 53 00-0233	EA	Remove And Relocate Traffic Light Note: Excludes electrical hookup.	268.55	
10 14 56		**Bridge Signage** *(10 14)*		
10 14 56 00-0001		Bridge And Truss Mounted Signs *(10 14 56)*		
10 14 56 00-0002		Removal Of Bridge And Truss Mounted Signs *(10 14 56 00-0001)*		
10 14 56 00-0003	CF	Removal Of Foundation, Including Excavation	12.49	
10 14 56 00-0004	LF	Removal Of Truss And Supports	167.24	
10 14 56 00-0005	SF	Removal Of Sign Face	7.64	
10 14 56 00-0006	SF	Removal Of Legend	12.74	
10 14 56 00-0007	EA	Removal Of Changeable Message Panel	147.02	
10 14 56 00-0008	EA	Removal Of Posts And Supports, Per Post	76.45	
10 14 56 00-0009		Fabricate And Install New Reflective Messages On Sign Face *(10 14 56 00-0001)*		
10 14 56 00-0010		One Color/3 Dimensional Demountable Letters *(10 14 56 00-0009)*		
10 14 56 00-0011	EA	6" Capital Height Letter	23.55	
10 14 56 00-0012	EA	8" Capital Height Letter	27.98	
10 14 56 00-0013	EA	10" Capital Height Letter	32.38	
10 14 56 00-0014	EA	12" Capital Height Letter	36.39	
10 14 56 00-0015	EA	14" Capital Height Letter	38.91	
10 14 56 00-0016		Two Color Legend Shields-Die Cut Vinyl Engineer Grade *(10 14 56 00-0009)*		
10 14 56 00-0017	EA	6" Legend/Shields	24.40	
10 14 56 00-0018	EA	8" Legend/Shields	29.11	
10 14 56 00-0019	EA	10" Legend/Shields	33.79	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 56 00-0020	EA	12" Legend/Shields	38.08	
10 14 56 00-0021	EA	14" Legend/Shields	40.90	

10 17 Telephone Specialties *(10 10)*

10 17 16 Telephone Enclosures *(10 17)*

10 17 16 13 Telephone Stalls *(10 17 16)*

10 17 16 13-0001	EA	Shelf Type, Wall Hung, Average	1,955.98	125.33
10 17 16 13-0002	EA	Booth Type, Painted Steel, Indoor Or Outdoor	5,601.30	417.91
10 17 16 13-0003	EA	Booth Type, Stainless Steel, Indoor Or Outdoor	15,935.47	417.91
10 17 16 13-0004	EA	Outdoor, Acoustical, On Post	1,903.39	208.76
10 17 16 13-0005	EA	Phone Carousel, Pedestal Mounted With Dividers	7,405.51	861.99
10 17 16 13-0006	EA	Outdoor Drive-up Type, Wall Mounted	1,241.98	156.66
10 17 16 13-0007	EA	Outdoor Drive-up Type, Post Mounted, Stainless Steel	1,846.42	205.63
10 17 16 13-0008	EA	Telephone Enclosure, Booth Type, Indoor, Stainless Steel 42" High x 26-1/4" Wide x 15-3/16" Deep, Bronze Powder Coated Steel Exterior	12,184.02	418.46
10 17 16 13-0009	EA	Telephone Enclosure, Booth Type, Painted Steel, Indoor Or Outdoor (Stainless Steel)	18,120.12	418.46
10 17 16 13-0010	EA	Telephone Enclosure, Outdoor, Phone Carousel, Pedestal Mounted With Dividers	8,267.83	1,041.69

10 17 19 Telephone Shelving *(10 17)*

10 17 19 00-0001	EA	3 Binder Directory Shelf	1,297.06	78.33
10 17 19 00-0002	EA	Directory Shelf, Wall Mounted, Stainless Steel, 3 Binders	1,691.39	78.33
10 17 19 00-0003	EA	Directory Shelf, Wall Mounted, Stainless Steel, 4 Binders	1,941.44	89.69
10 17 19 00-0004	EA	Directory Shelf, Wall Mounted, Stainless Steel, 5 Binders	2,340.80	104.58
10 17 19 00-0005	EA	Directory Shelf, Table Type, Stainless Steel, 4 Binders	2,041.92	78.33
10 17 19 00-0006	EA	Directory Shelf, Table Type, Stainless Steel, 7 Binders	2,500.39	89.69

10 20 Interior Specialties *(10)*

10 21 Compartments And Cubicles *(10 20)*

10 21 13 Toilet Compartments *(10 21)*

10 21 13 13 Metal Toilet Compartments *(10 21 13)*

10 21 13 13-0001 Enamel Coated Steel Toilet Partitions And Urinal Screens *(10 21 13 13)*
Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of galvanized sheet metal, cleaned, primed and finished with oven baked enamel or epoxy coating.

10 21 13 13-0002 Enamel Coated Steel Toilet Partitions *(10 21 13 13-0001)*
Note: All colors.

10 21 13 13-0003 Floor Anchored, Enamel Coated Steel, Complete Toilet Partitions *(10 21 13 13-0002)*

10 21 13 13-0004	EA	36" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	656.62	88.13
		For >10, Deduct	*-48.04*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
10 21 13 13-0005	EA	60" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	792.09	95.96
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
10 21 13 13-0006	EA	60" x 78", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	845.46	99.88
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	

10 21 13 13-0007 Overhead Braced, Enamel Coated Steel, Complete Toilet Partitions *(10 21 13 13-0002)*
Note: Includes headrail.

10 21 13 13-0008	EA	36" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	686.65	107.71
		For >10, Deduct	*-47.12*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
10 21 13 13-0009	EA	60" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	795.89	115.55
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
10 21 13 13-0010	EA	60" x 78", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	840.81	119.46
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	

10 21 13 13-0011 Floor And Ceiling Anchored, Enamel Coated Steel, Complete Toilet Partitions *(10 21 13 13-0002)*
Note: Excludes above ceiling steel.

10 21 13 13-0012	EA	36" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	810.47	127.29
		For >10, Deduct	*-55.59*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 13-0013	EA	60" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	942.40	135.13
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
10 21 13 13-0014	EA	60" x 78", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	989.29	139.04
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	

10 21 13 13-0015 Ceiling Hung, Enamel Coated Steel, Complete Toilet Partitions *(10 21 13 13-0002)*

Note: Excludes above ceiling steel.

10 21 13 13-0016	EA	36" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	787.81	146.88
		For >10, Deduct	*-49.41*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
10 21 13 13-0017	EA	60" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	941.53	154.71
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
10 21 13 13-0018	EA	60" x 78", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	993.60	158.63
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	

10 21 13 13-0019 Enamel Coated Steel Urinal Screens *(10 21 13 13-0001)*

Note: All colors.

10 21 13 13-0020 Floor Anchored, Enamel Coated Steel, Urinal Screens *(10 21 13 13-0019)*

10 21 13 13-0021	EA	24" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen	349.23	54.81
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 13-0022	EA	36" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen	386.74	58.73
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 13-0023	EA	48" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen	425.36	62.64
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	

10 21 13 13-0024 Wall Hung, Enamel Coated Steel, Urinal Screens *(10 21 13 13-0019)*

10 21 13 13-0025	EA	18" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen	201.21	46.98
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 13-0026	EA	24" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen	217.04	50.90
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 13-0027	EA	30" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen	229.42	54.81
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	

10 21 13 13-0028 Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screens *(10 21 13 13-0019)*

10 21 13 13-0029	EA	18" x 30" x 1", Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screen	258.06	50.90
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	

10 21 13 13-0030 Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screens *(10 21 13 13-0019)*

10 21 13 13-0031	EA	18" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen	287.77	50.90
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 13-0032	EA	24" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen	307.01	54.81
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 13-0033	EA	30" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen	326.25	58.73
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	

10 21 13 13-0034 Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screens *(10 21 13 13-0019)*

10 21 13 13-0035	EA	22" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen	324.13	54.81
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 13-0036	EA	34" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen	347.93	58.73
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 13-0037	EA	46" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen	384.29	62.64
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	

10 21 13 13-0038 Enamel Coated Steel Toilet Partition Doors, Panels And Pilasters *(10 21 13 13-0001)*

Note: All colors. See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.

10 21 13 13-0039 Enamel Coated Steel, Toilet Partition Doors *(10 21 13 13-0038)*

10 21 13 13-0040	EA	24" x 58" x 1", Enamel Coated Steel, Toilet Partition Door	204.76	15.67
		For Heavy Gauge Full-Height SS Hinge, Add	*40.42*	
10 21 13 13-0041	EA	26" x 58" x 1", Enamel Coated Steel, Toilet Partition Door	209.33	15.67
		For Heavy Gauge Full-Height SS Hinge, Add	*40.42*	
10 21 13 13-0042	EA	30" x 58" x 1", Enamel Coated Steel, Toilet Partition Door	221.94	16.84
		For Heavy Gauge Full-Height SS Hinge, Add	*40.42*	
10 21 13 13-0043	EA	34" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door	242.48	16.84
		For Heavy Gauge Full-Height SS Hinge, Add	*40.42*	
10 21 13 13-0044	EA	36" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door	247.05	16.84
		For Heavy Gauge Full-Height SS Hinge, Add	*40.42*	

10 21 13 13-0045 Enamel Coated Steel, Toilet Partition Panels *(10 21 13 13-0038)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 13-0046	EA	6" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	149.69	23.50
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 13-0047	EA	12" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	165.02	25.46
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 13-0048	EA	18" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	180.34	27.42
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 13-0049	EA	24" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	195.67	29.38
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 13-0050	EA	30" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	211.00	31.33
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 13-0051	EA	36" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	226.32	33.30
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 13-0052	EA	42" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	240.51	35.25
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 13-0053	EA	48" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	255.84	37.21
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 13-0054	EA	55" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	266.59	39.17
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 13-0055	EA	58" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	272.73	39.95
		For Panel Reinforced At ADA Grab Bar, Add	*42.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 13-0056	EA	60" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	280.78	41.13
		For Panel Reinforced At ADA Grab Bar, Add	*42.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 13-0057	EA	70" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	306.38	43.08
		For Panel Reinforced At ADA Grab Bar, Add	*42.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 13-0058	EA	78" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	328.55	45.05
		For Panel Reinforced At ADA Grab Bar, Add	*42.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 13-0059		**70" Long, Enamel Coated Steel, Toilet Partition Pilasters** *(10 21 13 13-0038)*		
10 21 13 13-0060	EA	Up To 4" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	112.50	11.75
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 13-0061	EA	5" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	124.40	13.71
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 13-0062	EA	6" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	137.44	15.67
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 13-0063	EA	8" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	159.62	17.63
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 13-0064	EA	10" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	180.65	19.58
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 13-0065	EA	12" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	201.68	21.55
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 13-0066	EA	18" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	259.23	23.50
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 13-0067	EA	22" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	297.38	25.46
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 13-0068	EA	24" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	319.54	27.42
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 13-0069		**82" Long, Enamel Coated Steel, Toilet Partition Pilasters** *(10 21 13 13-0038)*		
10 21 13 13-0070	EA	Up To 4" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	90.82	11.75
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 13-0071	EA	5" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	99.30	13.71
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 13-0072	EA	6" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	108.92	15.67
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 13-0073	EA	8" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	123.11	17.63
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 13-0074	EA	10" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	136.15	19.58
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 13-0075	EA	12" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	150.33	21.55
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 13-0076	EA	18" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	185.06	23.50
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 13-0077	EA	22" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	208.38	25.46
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 13-0078	EA	24" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	222.56	27.42
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 13-0079		**96" To 120" Long, Enamel Coated Steel, Partition Pilasters** *(10 21 13 13-0038)*		
10 21 13 13-0080	EA	Up To 4" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	126.03	15.67
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 13-0081	EA	5" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	137.94	17.63
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 13-0082	EA	6" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	150.99	19.58
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 13-0083	EA	8" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	173.15	21.55
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 13-0084	EA	10" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	194.19	23.50
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 13-0085	EA	12" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	215.22	25.46
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 13-0086	EA	18" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	272.76	27.42
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 13-0087	EA	22" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	310.91	29.38
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 13-0088	EA	24" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	333.09	31.33
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	

10 21 13 13-0089 Stainless Steel Toilet Partitions And Urinal Screens *(10 21 13 13)*

Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of type 304 stainless steel. Includes satin finish.

10 21 13 13-0090 Stainless Steel Toilet Partitions *(10 21 13 13-0089)*

10 21 13 13-0091 Floor Anchored, Stainless Steel, Complete Toilet Partitions *(10 21 13 13-0090)*

10 21 13 13-0092	EA	36" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition	1,898.26	88.13
		For >10, Deduct	*-172.20*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
		For Diamond Pattern Finish, Add	*602.70*	
10 21 13 13-0093	EA	60" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,295.83	95.96
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
		For Diamond Pattern Finish, Add	*736.37*	
10 21 13 13-0094	EA	60" x 78", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,404.87	99.88
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
		For Diamond Pattern Finish, Add	*771.79*	

10 21 13 13-0095 Overhead Braced, Stainless Steel, Complete Toilet Partitions *(10 21 13 13-0090)*

Note: Includes headrail.

10 21 13 13-0096	EA	36" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition	1,595.27	107.71
		For >10, Deduct	*-137.99*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
		For Diamond Pattern Finish, Add	*482.95*	
10 21 13 13-0097	EA	60" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,947.44	115.55
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
		For Diamond Pattern Finish, Add	*600.72*	
10 21 13 13-0098	EA	60" x 78", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,124.46	119.46
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
		For Diamond Pattern Finish, Add	*659.94*	

10 21 13 13-0099 Floor And Ceiling Anchored, Stainless Steel, Complete Toilet Partitions *(10 21 13 13-0090)*

Note: Excludes above ceiling steel.

10 21 13 13-0100	EA	36" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition	2,217.57	127.29
		For >10, Deduct	*-196.30*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
		For Diamond Pattern Finish, Add	*687.04*	
10 21 13 13-0101	EA	60" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,378.94	135.13
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
		For Diamond Pattern Finish, Add	*738.04*	
10 21 13 13-0102	EA	60" x 78", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,491.21	139.04
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
		For Diamond Pattern Finish, Add	*774.59*	

10 21 13 13-0103 Ceiling Hung, Stainless Steel, Complete Toilet Partitions *(10 21 13 13-0090)*

Note: Excludes above ceiling steel.

10 21 13 13-0104	EA	36" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition	2,212.87	146.88
		For >10, Deduct	*-191.91*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
		For Diamond Pattern Finish, Add	*671.69*	
10 21 13 13-0105	EA	60" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,702.15	154.71
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
		For Diamond Pattern Finish, Add	*837.46*	
10 21 13 13-0106	EA	60" x 78", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,842.85	158.63
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
		For Diamond Pattern Finish, Add	*883.96*	

10 21 13 13-0107 Stainless Steel Urinal Screens *(10 21 13 13-0089)*

10 21 13 13-0108 Floor Anchored, Stainless Steel, Urinal Screens *(10 21 13 13-0107)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 13-0109	EA	24" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen	617.28	54.81
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Diamond Pattern Finish, Add	*177.68*	
10 21 13 13-0110	EA	36" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen	699.93	58.73
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Diamond Pattern Finish, Add	*203.86*	
10 21 13 13-0111	EA	48" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen	713.88	62.64
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Diamond Pattern Finish, Add	*206.01*	

10 21 13 13-0112 Wall Hung, Stainless Steel, Urinal Screens *(10 21 13 13-0107)*

10 21 13 13-0113	EA	18" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen	454.12	46.98
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Diamond Pattern Finish, Add	*126.06*	
10 21 13 13-0114	EA	24" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen	491.37	50.90
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Diamond Pattern Finish, Add	*136.35*	
10 21 13 13-0115	EA	30" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen	536.70	54.81
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Diamond Pattern Finish, Add	*149.48*	

10 21 13 13-0116 Wall Hung And Post Supported, Stainless Steel, Urinal Screens *(10 21 13 13-0107)*

10 21 13 13-0117	EA	18" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen	746.34	50.90
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Diamond Pattern Finish, Add	*225.59*	
10 21 13 13-0118	EA	24" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen	781.72	54.81
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Diamond Pattern Finish, Add	*235.24*	
10 21 13 13-0119	EA	30" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen	816.93	58.73
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Diamond Pattern Finish, Add	*244.82*	

10 21 13 13-0120 Wall Hung And Overhead Braced, Stainless Steel, Urinal Screens *(10 21 13 13-0107)*

10 21 13 13-0121	EA	22" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen	617.28	54.81
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Diamond Pattern Finish, Add	*177.68*	
10 21 13 13-0122	EA	34" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen	699.92	58.73
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Diamond Pattern Finish, Add	*203.86*	
10 21 13 13-0123	EA	46" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen	786.07	62.64
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Diamond Pattern Finish, Add	*231.28*	

10 21 13 13-0124 Stainless Steel Toilet Partition Doors, Panels And Pilasters *(10 21 13 13-0089)*

See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.

10 21 13 13-0125 Stainless Steel, Toilet Partition Doors *(10 21 13 13-0124)*

10 21 13 13-0126	EA	24" x 58" x 1", Stainless Steel, Toilet Partition Door	415.36	15.67
		For Heavy Gauge Full-Height SS Hinge, Add	*40.42*	
		For Diamond Pattern Finish, Add	*134.41*	
10 21 13 13-0127	EA	26" x 58" x 1", Stainless Steel, Toilet Partition Door	476.01	15.67
		For Heavy Gauge Full-Height SS Hinge, Add	*40.42*	
		For Diamond Pattern Finish, Add	*155.64*	
10 21 13 13-0128	EA	30" x 58" x 1", Stainless Steel, Toilet Partition Door	488.34	17.63
		For Heavy Gauge Full-Height SS Hinge, Add	*40.42*	
		For Diamond Pattern Finish, Add	*158.58*	
10 21 13 13-0129	EA	34" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door	505.84	17.63
		For Heavy Gauge Full-Height SS Hinge, Add	*40.42*	
		For Diamond Pattern Finish, Add	*164.71*	
10 21 13 13-0130	EA	36" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door	510.72	17.63
		For Heavy Gauge Full-Height SS Hinge, Add	*40.42*	
		For Diamond Pattern Finish, Add	*166.41*	

10 21 13 13-0131 Stainless Steel, Toilet Partition Panels *(10 21 13 13-0124)*

10 21 13 13-0132	EA	6" x 58" x 1", Stainless Steel, Toilet Partition Panel	355.15	23.50
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Diamond Pattern Finish, Add	*107.85*	
10 21 13 13-0133	EA	12" x 58" x 1", Stainless Steel, Toilet Partition Panel	394.66	25.46
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Diamond Pattern Finish, Add	*120.31*	
10 21 13 13-0134	EA	18" x 58" x 1", Stainless Steel, Toilet Partition Panel	410.88	27.42
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Diamond Pattern Finish, Add	*124.62*	
10 21 13 13-0135	EA	24" x 58" x 1", Stainless Steel, Toilet Partition Panel	429.43	29.38
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Diamond Pattern Finish, Add	*129.74*	
10 21 13 13-0136	EA	30" x 58" x 1", Stainless Steel, Toilet Partition Panel	461.00	31.33
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Diamond Pattern Finish, Add	*139.42*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 13-0137	EA	36" x 58" x 1", Stainless Steel, Toilet Partition Panel	497.82	33.30
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Diamond Pattern Finish, Add	*150.93*	
10 21 13 13-0138	EA	42" x 58" x 1", Stainless Steel, Toilet Partition Panel	583.82	35.25
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Diamond Pattern Finish, Add	*179.66*	
10 21 13 13-0139	EA	48" x 58" x 1", Stainless Steel, Toilet Partition Panel	639.75	37.21
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Diamond Pattern Finish, Add	*197.87*	
10 21 13 13-0140	EA	55" x 58" x 1", Stainless Steel, Toilet Partition Panel	655.98	39.17
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Diamond Pattern Finish, Add	*202.18*	
10 21 13 13-0141	EA	58" x 58" x 1", Stainless Steel, Toilet Partition Panel	689.03	39.95
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Diamond Pattern Finish, Add	*213.20*	
10 21 13 13-0142	EA	60" x 58" x 1", Stainless Steel, Toilet Partition Panel	732.45	41.13
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Diamond Pattern Finish, Add	*227.57*	
10 21 13 13-0143	EA	70" x 58" x 1", Stainless Steel, Toilet Partition Panel	767.46	43.08
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Diamond Pattern Finish, Add	*238.45*	
10 21 13 13-0144	EA	78" x 58" x 1", Stainless Steel, Toilet Partition Panel	842.94	45.05
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Diamond Pattern Finish, Add	*263.50*	

10 21 13 13-0145 70" Long, Stainless Steel, Toilet Partition Pilasters *(10 21 13 13-0124)*

10 21 13 13-0146	EA	Up To 4" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	247.99	11.75
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Diamond Pattern Finish, Add	*78.57*	
10 21 13 13-0147	EA	5" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	269.70	13.71
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Diamond Pattern Finish, Add	*84.80*	
10 21 13 13-0148	EA	6" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	292.78	15.67
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Diamond Pattern Finish, Add	*91.51*	
10 21 13 13-0149	EA	8" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	333.66	17.63
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Diamond Pattern Finish, Add	*104.44*	
10 21 13 13-0150	EA	10" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	374.54	19.58
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Diamond Pattern Finish, Add	*117.38*	
10 21 13 13-0151	EA	12" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	415.40	21.55
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Diamond Pattern Finish, Add	*130.31*	
10 21 13 13-0152	EA	18" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	528.83	23.50
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Diamond Pattern Finish, Add	*168.64*	
10 21 13 13-0153	EA	22" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	606.67	25.46
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Diamond Pattern Finish, Add	*194.51*	
10 21 13 13-0154	EA	24" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	647.54	27.42
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Diamond Pattern Finish, Add	*207.45*	

10 21 13 13-0155 82" Long, Stainless Steel, Toilet Partition Pilasters *(10 21 13 13-0124)*

10 21 13 13-0156	EA	Up To 4" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	188.50	11.75
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Diamond Pattern Finish, Add	*57.75*	
10 21 13 13-0157	EA	5" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	203.71	13.71
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Diamond Pattern Finish, Add	*61.70*	
10 21 13 13-0158	EA	6" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	219.49	15.67
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Diamond Pattern Finish, Add	*65.86*	
10 21 13 13-0159	EA	8" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	286.04	17.63
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Diamond Pattern Finish, Add	*87.78*	
10 21 13 13-0160	EA	10" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	322.96	19.58
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Diamond Pattern Finish, Add	*99.33*	
10 21 13 13-0161	EA	12" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	333.71	21.55
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Diamond Pattern Finish, Add	*101.72*	
10 21 13 13-0162	EA	18" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	378.49	23.50
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Diamond Pattern Finish, Add	*116.02*	
10 21 13 13-0163	EA	22" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	427.35	25.46
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Diamond Pattern Finish, Add	*131.75*	
10 21 13 13-0164	EA	24" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	453.55	27.42
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Diamond Pattern Finish, Add	*139.55*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 13-0165		96" To 120" Long, Stainless Steel, Toilet Partition Pilasters *(10 21 13 13-0124)*			
10 21 13 13-0166	EA	Up To 4" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster		270.88	15.67
		For Heavy Gauge Full-Height SS Brackets, Add		*25.12*	
		For Diamond Pattern Finish, Add		*83.84*	
10 21 13 13-0167	EA	5" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster		296.70	17.63
		For Heavy Gauge Full-Height SS Brackets, Add		*25.12*	
		For Diamond Pattern Finish, Add		*91.51*	
10 21 13 13-0168	EA	6" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster		321.15	19.58
		For Heavy Gauge Full-Height SS Brackets, Add		*25.12*	
		For Diamond Pattern Finish, Add		*98.69*	
10 21 13 13-0169	EA	8" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster		368.86	21.55
		For Heavy Gauge Full-Height SS Brackets, Add		*25.12*	
		For Diamond Pattern Finish, Add		*114.02*	
10 21 13 13-0170	EA	10" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster		415.22	23.50
		For Heavy Gauge Full-Height SS Brackets, Add		*25.12*	
		For Diamond Pattern Finish, Add		*128.88*	
10 21 13 13-0171	EA	12" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster		461.57	25.46
		For Heavy Gauge Full-Height SS Brackets, Add		*25.12*	
		For Diamond Pattern Finish, Add		*143.73*	
10 21 13 13-0172	EA	18" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster		595.52	27.42
		For Heavy Gauge Full-Height SS Brackets, Add		*25.12*	
		For Diamond Pattern Finish, Add		*189.24*	
10 21 13 13-0173	EA	22" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster		684.31	29.38
		For Heavy Gauge Full-Height SS Brackets, Add		*25.12*	
		For Diamond Pattern Finish, Add		*218.95*	
10 21 13 13-0174	EA	24" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster		732.03	31.33
		For Heavy Gauge Full-Height SS Brackets, Add		*25.12*	
		For Diamond Pattern Finish, Add		*234.28*	

10 21 13 16 Plastic-Laminate-Clad Toilet Compartments *(10 21 13)*

10 21 13 16-0001 Laminated Plastic Toilet Partitions And Urinal Screens *(10 21 13 16)*

Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of a sandwich of high pressure decorative plastic laminate bonded to a solid industrial-grade particle board.

10 21 13 16-0002 Laminated Plastic Toilet Partitions *(10 21 13 16-0001)*

Note: Includes all standard Bobrick colors.

10 21 13 16-0003 Floor Anchored, Laminated Plastic, Complete Toilet Partitions *(10 21 13 16-0002)*

10 21 13 16-0004	EA	36" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition		618.30	88.13
		For >10, Deduct		*-44.20*	
		For Cast Stainless Steel Hardware, Add		*72.88*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add		*90.66*	
10 21 13 16-0005	EA	60" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition		747.14	95.96
		For Cast Stainless Steel Hardware, Add		*72.89*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add		*90.66*	
10 21 13 16-0006	EA	60" x 78", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition		801.45	99.88
		For Cast Stainless Steel Hardware, Add		*72.90*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add		*90.66*	

10 21 13 16-0007 Overhead Braced, Laminated Plastic, Complete Toilet Partitions *(10 21 13 16-0002)*

Note: Includes headrail.

10 21 13 16-0008	EA	36" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition		679.03	107.71
		For >10, Deduct		*-46.36*	
		For Cast Stainless Steel Hardware, Add		*72.91*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add		*90.66*	
10 21 13 16-0009	EA	60" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition		813.27	115.55
		For Cast Stainless Steel Hardware, Add		*72.92*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add		*90.66*	
10 21 13 16-0010	EA	60" x 78", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition		871.63	119.46
		For Cast Stainless Steel Hardware, Add		*72.92*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add		*90.66*	

10 21 13 16-0011 Ceiling Hung, Laminated Plastic, Complete Toilet Partitions *(10 21 13 16-0002)*

Note: Excludes above ceiling steel.

10 21 13 16-0012	EA	36" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition		910.17	146.88
		For >10, Deduct		*-61.64*	
		For Cast Stainless Steel Hardware, Add		*72.96*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add		*90.66*	
10 21 13 16-0013	EA	60" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition		1,048.56	154.71
		For Cast Stainless Steel Hardware, Add		*72.97*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add		*90.66*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0014	EA	60" x 78", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,102.88	158.63
		For Cast Stainless Steel Hardware, Add	*72.98*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
10 21 13 16-0015		**Laminated Plastic Urinal Screens** *(10 21 13 16-0001)*		
		Note: Includes all standard Bobrick colors.		
10 21 13 16-0016		**Floor Anchored, Laminated Plastic, Urinal Screens** *(10 21 13 16-0015)*		
10 21 13 16-0017	EA	24" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen	274.48	54.81
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 16-0018	EA	36" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen	298.49	58.73
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 16-0019	EA	48" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen	309.49	62.64
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 16-0020		**Wall Hung, Laminated Plastic, Urinal Screens** *(10 21 13 16-0015)*		
10 21 13 16-0021	EA	18" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen	216.67	46.98
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 16-0022	EA	24" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen	229.13	50.90
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 16-0023	EA	30" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen	241.15	54.81
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 16-0024		**Wall Hung And Post Supported, Laminated Plastic, Urinal Screens** *(10 21 13 16-0015)*		
10 21 13 16-0025	EA	18" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen	278.56	50.90
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 16-0026	EA	24" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen	304.82	54.81
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 16-0027	EA	30" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen	333.03	58.73
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 16-0028		**Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screens** *(10 21 13 16-0015)*		
10 21 13 16-0029	EA	24" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen	260.20	50.90
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 16-0030	EA	36" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen	284.66	54.81
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 16-0031	EA	48" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen	295.40	58.73
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 16-0032		**Laminated Plastic Toilet Partition Doors, Panels And Pilasters** *(10 21 13 16-0001)*		
		Note: Includes all standard Bobrick colors. See CSI section 10 21 13 43-0000 for accessories.		
10 21 13 16-0033		**Laminated Plastic, Toilet Partition Doors** *(10 21 13 16-0032)*		
10 21 13 16-0034	EA	24" x 58" x 1", Laminated Plastic, Toilet Partition Door	194.75	15.67
		For Heavy Gauge Full-Height SS Hinge, Add	*40.42*	
10 21 13 16-0035	EA	26" x 58" x 1", Laminated Plastic, Toilet Partition Door	210.63	15.67
		For Heavy Gauge Full-Height SS Hinge, Add	*40.42*	
10 21 13 16-0036	EA	30" x 58" x 1", Laminated Plastic, Toilet Partition Door	218.88	17.63
		For Heavy Gauge Full-Height SS Hinge, Add	*40.42*	
10 21 13 16-0037	EA	34" x 58" x 1", Laminated Plastic, ADA Compliant Toilet Partition Door	223.79	17.63
		For Heavy Gauge Full-Height SS Hinge, Add	*40.42*	
10 21 13 16-0038	EA	36" x 58" x 1", Laminated Plastic, ADA Compliant Toilet Partition Door	228.41	17.63
		For Heavy Gauge Full-Height SS Hinge, Add	*40.42*	
10 21 13 16-0039		**Laminated Plastic, Toilet Partition Panels** *(10 21 13 16-0032)*		
10 21 13 16-0040	EA	6" x 58" x 1", Laminated Plastic, Toilet Partition Panel	111.36	23.50
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 16-0041	EA	12" x 58" x 1", Laminated Plastic, Toilet Partition Panel	122.77	25.46
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 16-0042	EA	18" x 58" x 1", Laminated Plastic, Toilet Partition Panel	134.16	27.42
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 16-0043	EA	24" x 58" x 1", Laminated Plastic, Toilet Partition Panel	145.95	29.38
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 16-0044	EA	30" x 58" x 1", Laminated Plastic, Toilet Partition Panel	156.97	31.33
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 16-0045	EA	36" x 58" x 1", Laminated Plastic, Toilet Partition Panel	168.79	33.30
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 16-0046	EA	42" x 58" x 1", Laminated Plastic, Toilet Partition Panel	173.59	35.25
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 16-0047	EA	48" x 58" x 1", Laminated Plastic, Toilet Partition Panel	178.94	37.21
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 16-0048	EA	55" x 58" x 1", Laminated Plastic, Toilet Partition Panel	188.35	39.17
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 16-0049	EA	58" x 58" x 1", Laminated Plastic, Toilet Partition Panel	195.53	39.95
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0050	EA	60" x 58" x 1", Laminated Plastic, Toilet Partition Panel	203.80	41.13
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 16-0051	EA	70" x 58" x 1", Laminated Plastic, Toilet Partition Panel	229.38	43.08
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 16-0052	EA	78" x 58" x 1", Laminated Plastic, Toilet Partition Panel	258.12	45.05
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	

10 21 13 16-0053 69" Long, Laminated Plastic, Toilet Partition Pilasters *(10 21 13 16-0032)*

10 21 13 16-0054	EA	Up To 4" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	85.00	11.75
		For 1-1/4" Pilaster, Add	*5.07*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Steel Core Pilaster, Add	*61.50*	
10 21 13 16-0055	EA	5" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	98.16	13.71
		For 1-1/4" Pilaster, Add	*5.84*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Steel Core Pilaster, Add	*70.74*	
10 21 13 16-0056	EA	6" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	102.07	15.67
		For 1-1/4" Pilaster, Add	*5.84*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Steel Core Pilaster, Add	*70.74*	
10 21 13 16-0057	EA	8" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	112.92	17.63
		For 1-1/4" Pilaster, Add	*6.41*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Steel Core Pilaster, Add	*77.67*	
10 21 13 16-0058	EA	10" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	118.86	19.58
		For 1-1/4" Pilaster, Add	*6.57*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Steel Core Pilaster, Add	*79.69*	
10 21 13 16-0059	EA	12" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	129.41	21.55
		For 1-1/4" Pilaster, Add	*7.12*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Steel Core Pilaster, Add	*86.33*	
10 21 13 16-0060	EA	18" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	161.62	23.50
		For 1-1/4" Pilaster, Add	*9.46*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Steel Core Pilaster, Add	*114.62*	
10 21 13 16-0061	EA	22" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	193.26	25.46
		For 1-1/4" Pilaster, Add	*11.74*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Steel Core Pilaster, Add	*142.34*	
10 21 13 16-0062	EA	24" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	215.94	27.42
		For 1-1/4" Pilaster, Add	*13.29*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Steel Core Pilaster, Add	*161.11*	

10 21 13 16-0063 83" Long, Laminated Plastic, Toilet Partition Pilasters *(10 21 13 16-0032)*

10 21 13 16-0064	EA	Up To 4" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	157.76	11.75
		For 1-1/4" Pilaster, Add	*11.08*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Steel Core Pilaster, Add	*134.26*	
10 21 13 16-0065	EA	5" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	174.96	13.71
		For 1-1/4" Pilaster, Add	*12.17*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Steel Core Pilaster, Add	*147.54*	
10 21 13 16-0066	EA	6" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	178.87	15.67
		For 1-1/4" Pilaster, Add	*12.17*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Steel Core Pilaster, Add	*147.54*	
10 21 13 16-0067	EA	8" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	194.05	17.63
		For 1-1/4" Pilaster, Add	*13.10*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Steel Core Pilaster, Add	*158.80*	
10 21 13 16-0068	EA	10" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	212.12	19.58
		For 1-1/4" Pilaster, Add	*14.27*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Steel Core Pilaster, Add	*172.95*	
10 21 13 16-0069	EA	12" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	227.00	21.55
		For 1-1/4" Pilaster, Add	*15.17*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Steel Core Pilaster, Add	*183.92*	
10 21 13 16-0070	EA	18" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	279.86	23.50
		For 1-1/4" Pilaster, Add	*19.21*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Steel Core Pilaster, Add	*232.86*	
10 21 13 16-0071	EA	22" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	317.70	25.46
		For 1-1/4" Pilaster, Add	*22.01*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Steel Core Pilaster, Add	*266.78*	
10 21 13 16-0072	EA	24" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	327.10	27.42
		For 1-1/4" Pilaster, Add	*22.46*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For Steel Core Pilaster, Add	*272.27*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 21 13 19 Plastic Toilet Compartments *(10 21 13)*

10 21 13 19-0001 Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens *(10 21 13 19)*

Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of high density polyethylene (HDPE). Includes Class B fire rating.

10 21 13 19-0002 Recycled Solid Plastic (HDPE) Toilet Partitions *(10 21 13 19-0001)*

Note: Includes all standard Columbia Partitions colors.

10 21 13 19-0003 Overhead Braced, Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0002)*

Note: Includes headrail.

10 21 13 19-0004	EA	36" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	1,104.84	107.71
		For >10, Deduct	*-88.94*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
		For NFPA Class A, Add	*551.45*	
10 21 13 19-0005	EA	60" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,354.76	115.55
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
		For NFPA Class A, Add	*696.68*	
10 21 13 19-0006	EA	60" x 78", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,498.55	119.46
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
		For NFPA Class A, Add	*780.97*	

10 21 13 19-0007 Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0002)*

Note: Excludes above ceiling steel.

10 21 13 19-0008	EA	36" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	1,110.32	127.29
		For >10, Deduct	*-85.57*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
		For NFPA Class A, Add	*530.55*	
10 21 13 19-0009	EA	60" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,382.00	135.13
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
		For NFPA Class A, Add	*689.28*	
10 21 13 19-0010	EA	60" x 78", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,525.79	139.04
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
		For NFPA Class A, Add	*773.57*	

10 21 13 19-0011 Ceiling Hung, Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0002)*

Note: Excludes above ceiling steel.

10 21 13 19-0012	EA	36" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	1,168.90	146.88
		For >10, Deduct	*-87.51*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
		For NFPA Class A, Add	*542.59*	
10 21 13 19-0013	EA	60" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,380.68	154.71
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
		For NFPA Class A, Add	*664.18*	
10 21 13 19-0014	EA	60" x 78", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,524.48	158.63
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
		For NFPA Class A, Add	*748.48*	

10 21 13 19-0015 Recycled Solid Plastic (HDPE) Urinal Screens *(10 21 13 19-0001)*

Note: Includes all standard Columbia Partitions colors.

10 21 13 19-0016 Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screens *(10 21 13 19-0015)*

10 21 13 19-0017	EA	18" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen	264.35	46.98
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*105.64*	
10 21 13 19-0018	EA	24" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen	278.90	50.90
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*109.80*	

10 21 13 19-0019 Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screens *(10 21 13 19-0015)*

10 21 13 19-0020	EA	18" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen	333.39	50.90
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*143.59*	
10 21 13 19-0021	EA	24" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen	418.41	54.81
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*191.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0022	EA	30" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen	464.26	58.73
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*215.02*	

10 21 13 19-0023 Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screens *(10 21 13 19-0015)*

10 21 13 19-0024	EA	24" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen	341.22	54.81
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*143.59*	
10 21 13 19-0025	EA	36" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen	426.24	58.73
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*191.45*	
10 21 13 19-0026	EA	48" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen	503.61	62.64
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*234.56*	

10 21 13 19-0027 Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters

(10 21 13 19-0001)

Note: Includes all standard Columbia Partitions colors. See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.

10 21 13 19-0028 Recycled Solid Plastic (HDPE), Toilet Partition Doors *(10 21 13 19-0027)*

10 21 13 19-0029	EA	24" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door	260.26	15.67
		For Heavy Gauge Full-Height SS Hinge, Add	*40.42*	
		For NFPA Class A, Add	*141.94*	
10 21 13 19-0030	EA	26" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door	281.10	15.67
		For Heavy Gauge Full-Height SS Hinge, Add	*40.42*	
		For NFPA Class A, Add	*154.86*	
10 21 13 19-0031	EA	30" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door	305.70	17.63
		For Heavy Gauge Full-Height SS Hinge, Add	*40.42*	
		For NFPA Class A, Add	*167.68*	
10 21 13 19-0032	EA	34" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	347.86	17.63
		For Heavy Gauge Full-Height SS Hinge, Add	*40.42*	
		For NFPA Class A, Add	*193.82*	
10 21 13 19-0033	EA	36" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	357.84	17.63
		For Heavy Gauge Full-Height SS Hinge, Add	*40.42*	
		For NFPA Class A, Add	*200.01*	

10 21 13 19-0034 Recycled Solid Plastic (HDPE), Toilet Partition Panels *(10 21 13 19-0027)*

10 21 13 19-0035	EA	6" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel	97.74	23.50
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*31.46*	
10 21 13 19-0036	EA	12" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel	152.41	25.46
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*62.92*	
10 21 13 19-0037	EA	18" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel	207.05	27.42
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*94.38*	
10 21 13 19-0038	EA	24" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel	240.90	29.38
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*112.93*	
10 21 13 19-0039	EA	30" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel	290.36	31.33
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*141.17*	
10 21 13 19-0040	EA	36" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel	310.20	33.30
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*151.04*	
10 21 13 19-0041	EA	42" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel	347.58	35.25
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*171.79*	
10 21 13 19-0042	EA	48" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel	391.08	37.21
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*196.33*	
10 21 13 19-0043	EA	55" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel	426.68	39.17
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*215.98*	
10 21 13 19-0044	EA	58" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel	435.93	39.95
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*220.74*	
10 21 13 19-0045	EA	60" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel	450.55	41.13
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*228.35*	
10 21 13 19-0046	EA	70" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel	508.20	43.08
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*261.66*	
10 21 13 19-0047	EA	78" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel	547.28	45.05
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*283.46*	

10 21 13 19-0048 82" Long, Recycled Solid Plastic (HDPE), Toilet Partition Pilasters *(10 21 13 19-0027)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0049	EA	Up To 4" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	121.25	11.75
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*60.61*	
10 21 13 19-0050	EA	5" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	134.97	13.71
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*66.68*	
10 21 13 19-0051	EA	6" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	146.96	15.67
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*71.69*	
10 21 13 19-0052	EA	8" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	158.11	17.63
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*76.17*	
10 21 13 19-0053	EA	10" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	177.46	19.58
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*85.74*	
10 21 13 19-0054	EA	12" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	196.79	21.55
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*95.30*	
10 21 13 19-0055	EA	18" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	268.42	23.50
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*137.28*	
10 21 13 19-0056	EA	22" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	303.13	25.46
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*156.37*	
10 21 13 19-0057	EA	24" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	329.96	27.42
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*170.58*	

10 21 13 19-0058 96" To 120", Recycled Solid Plastic (HDPE), Toilet Partition Pilasters *(10 21 13 19-0027)*

10 21 13 19-0059	EA	Up To 4" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	148.40	15.67
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*72.58*	
10 21 13 19-0060	EA	5" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	163.47	17.63
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*79.50*	
10 21 13 19-0061	EA	6" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	180.10	19.58
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*87.38*	
10 21 13 19-0062	EA	8" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	203.88	21.55
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*99.70*	
10 21 13 19-0063	EA	10" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	227.88	23.50
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*112.15*	
10 21 13 19-0064	EA	12" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	251.67	25.46
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*124.47*	
10 21 13 19-0065	EA	18" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	321.06	27.42
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*165.06*	
10 21 13 19-0066	EA	22" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	358.87	29.38
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*186.07*	
10 21 13 19-0067	EA	24 x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	390.07	31.33
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*202.99*	

10 21 13 19-0068 Antimicrobial Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens *(10 21 13 19)*

Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and hardware as required. Constructed of high density polyethylene (HDPE). Includes Class B fire rating.

10 21 13 19-0069 Antimicrobial Recycled Solid Plastic (HDPE) Toilet Partitions *(10 21 13 19-0068)*

Note: Includes all standard Columbia Partitions colors.

10 21 13 19-0070 Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0069)*

Note: Includes headrail.

10 21 13 19-0071	EA	36" x 60", Overhead Braced, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	1,416.14	107.71
		For >10, Deduct	*-120.07*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
		For NFPA Class A, Add	*744.45*	
10 21 13 19-0072	EA	60" x 60", Overhead Braced, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,748.06	115.55
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
		For NFPA Class A, Add	*940.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0073	EA	60" x 78", Overhead Braced, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,939.43	119.46
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
		For NFPA Class A, Add	*1,054.32*	
10 21 13 19-0074		**Floor And Ceiling Anchored, Antimicrobial Recycled Solid Plastic (HDPE), Complete Toilet Partitions** *(10 21 13 19-0069)*		
		Note: Excludes above ceiling steel.		
10 21 13 19-0075	EA	36" x 60", Floor And Ceiling Anchored, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	1,409.83	127.29
		For >10, Deduct	*-115.52*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
		For NFPA Class A, Add	*716.25*	
10 21 13 19-0076	EA	60" x 60", Floor And Ceiling Anchored, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,771.10	135.13
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
		For NFPA Class A, Add	*930.52*	
10 21 13 19-0077	EA	60" x 78", Floor And Ceiling Anchored, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,962.48	139.04
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
		For NFPA Class A, Add	*1,044.32*	
10 21 13 19-0078		**Ceiling Hung, Antimicrobial Recycled Solid Plastic (HDPE), Complete Toilet Partitions** *(10 21 13 19-0069)*		
		Note: Excludes above ceiling steel.		
10 21 13 19-0079	EA	36" x 60", Ceiling Hung, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	1,475.20	146.88
		For >10, Deduct	*-118.14*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
		For NFPA Class A, Add	*732.49*	
10 21 13 19-0080	EA	60" x 60", Ceiling Hung, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,755.61	154.71
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
		For NFPA Class A, Add	*896.64*	
10 21 13 19-0081	EA	60" x 78", Ceiling Hung, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,947.00	158.63
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
		For NFPA Class A, Add	*1,010.44*	
10 21 13 19-0082		**Antimicrobial Recycled Solid Plastic (HDPE) Urinal Screens** *(10 21 13 19-0068)*		
		Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0083		**Wall Hung, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screens** *(10 21 13 19-0082)*		
10 21 13 19-0084	EA	18" x 42" x 1", Wall Hung, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen	323.98	46.98
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*142.61*	
10 21 13 19-0085	EA	24" x 42" x 1", Wall Hung, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen	338.70	50.90
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*146.88*	
10 21 13 19-0086		**Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screens** *(10 21 13 19-0082)*		
10 21 13 19-0087	EA	18" x 42" x 1", Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen	518.66	50.90
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*258.46*	
10 21 13 19-0088	EA	24" x 42" x 1", Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen	589.19	54.81
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*297.33*	
10 21 13 19-0089	EA	30" x 42" x 1", Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen	628.20	58.73
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*316.67*	
10 21 13 19-0090		**Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screens** *(10 21 13 19-0082)*		
10 21 13 19-0091	EA	24" x 55" x 1", Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen	422.27	54.81
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*193.84*	
10 21 13 19-0092	EA	36" x 55" x 1", Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen	534.32	58.73
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*258.46*	
10 21 13 19-0093	EA	48" x 55" x 1", Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen	636.03	62.64
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*316.67*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0094		Antimicrobial Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters *(10 21 13 19-0068)* Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0095		Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Doors *(10 21 13 19-0094)*		
10 21 13 19-0096	EA	24" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Door	340.39	15.67
		For Heavy Gauge Full-Height SS Hinge, Add	*40.42*	
		For NFPA Class A, Add	*191.62*	
10 21 13 19-0097	EA	26" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Door	368.52	15.67
		For Heavy Gauge Full-Height SS Hinge, Add	*40.42*	
		For NFPA Class A, Add	*209.06*	
10 21 13 19-0098	EA	30" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Door	400.35	17.63
		For Heavy Gauge Full-Height SS Hinge, Add	*40.42*	
		For NFPA Class A, Add	*226.36*	
10 21 13 19-0099	EA	34" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	457.28	17.63
		For Heavy Gauge Full-Height SS Hinge, Add	*40.42*	
		For NFPA Class A, Add	*261.66*	
10 21 13 19-0100	EA	36" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	470.74	17.63
		For Heavy Gauge Full-Height SS Hinge, Add	*40.42*	
		For NFPA Class A, Add	*270.00*	
10 21 13 19-0101		Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panels *(10 21 13 19-0094)*		
10 21 13 19-0102	EA	6" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel	115.50	23.50
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*42.47*	
10 21 13 19-0103	EA	12" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel	187.92	25.46
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*84.94*	
10 21 13 19-0104	EA	18" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel	260.33	27.42
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*127.41*	
10 21 13 19-0105	EA	24" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel	304.64	29.38
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*152.45*	
10 21 13 19-0106	EA	30" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel	370.04	31.33
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*190.57*	
10 21 13 19-0107	EA	36" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel	395.46	33.30
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*203.91*	
10 21 13 19-0108	EA	42" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel	444.56	35.25
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*231.92*	
10 21 13 19-0109	EA	48" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel	501.91	37.21
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*265.04*	
10 21 13 19-0110	EA	55" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel	548.60	39.17
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*291.57*	
10 21 13 19-0111	EA	58" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel	560.53	39.95
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*297.99*	
10 21 13 19-0112	EA	60" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel	579.45	41.13
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*308.26*	
10 21 13 19-0113	EA	70" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel	655.91	43.08
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*353.24*	
10 21 13 19-0114	EA	78" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel	707.30	45.05
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*382.68*	
10 21 13 19-0115		82" Long, Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters *(10 21 13 19-0094)*		
10 21 13 19-0116	EA	Up To 4" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	155.46	11.75
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*81.82*	
10 21 13 19-0117	EA	5" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	172.61	13.71
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*90.02*	
10 21 13 19-0118	EA	6" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	187.43	15.67
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*96.78*	
10 21 13 19-0119	EA	8" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	216.19	17.63
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*112.18*	
10 21 13 19-0120	EA	10" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	242.85	19.58
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*126.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0121	EA	12" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	269.46	21.55
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*140.36*	
10 21 13 19-0122	EA	18" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	345.91	23.50
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*185.32*	
10 21 13 19-0123	EA	22" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	391.40	25.46
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*211.10*	
10 21 13 19-0124	EA	24" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	426.26	27.42
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*230.29*	

10 21 13 19-0125 96" To 120", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters *(10 21 13 19-0094)*

10 21 13 19-0126	EA	Up To 4" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	189.38	15.67
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*97.99*	
10 21 13 19-0127	EA	5" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	208.35	17.63
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*107.32*	
10 21 13 19-0128	EA	6" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	229.44	19.58
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*117.97*	
10 21 13 19-0129	EA	8" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	260.16	21.55
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*134.59*	
10 21 13 19-0130	EA	10" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	291.20	23.50
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*151.40*	
10 21 13 19-0131	EA	12" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	321.93	25.46
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*168.03*	
10 21 13 19-0132	EA	18" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	414.25	27.42
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*222.84*	
10 21 13 19-0133	EA	22" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	463.91	29.38
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*251.20*	
10 21 13 19-0134	EA	24 x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	504.66	31.33
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*274.03*	

10 21 13 19-0135 Solid Phenolic Toilet Partitions And Urinal Screens *(10 21 13 19)*

Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid phenolic (resin impregnated kraft paper) core with a high pressure decorative matte surface finish as an integral part of the core material. Includes Class B fire rating.

10 21 13 19-0136 Solid Phenolic Toilet Partitions *(10 21 13 19-0135)*

Note: Includes all standard Bobrick colors.

10 21 13 19-0137 Floor Anchored, Solid Phenolic, Complete Toilet Partitions *(10 21 13 19-0136)*

10 21 13 19-0138	EA	36" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition	903.55	88.13
		For >10, Deduct	*-72.73*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
		For NFPA Class A, Add	*161.55*	
10 21 13 19-0139	EA	60" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,100.53	95.96
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
		For NFPA Class A, Add	*200.41*	
10 21 13 19-0140	EA	60" x 78", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,223.29	99.88
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
		For NFPA Class A, Add	*224.93*	

10 21 13 19-0141 Overhead Braced, Solid Phenolic, Complete Toilet Partitions *(10 21 13 19-0136)*

Note: Includes headrail.

10 21 13 19-0142	EA	36" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition	1,010.71	107.71
		For >10, Deduct	*-79.53*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
		For NFPA Class A, Add	*177.78*	
10 21 13 19-0143	EA	60" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,215.28	115.55
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
		For NFPA Class A, Add	*218.23*	
10 21 13 19-0144	EA	60" x 78", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,343.81	119.46
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
		For NFPA Class A, Add	*243.97*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0145		Floor And Ceiling Anchored, Solid Phenolic, Complete Toilet Partitions *(10 21 13 19-0136)*		
		Note: Excludes above ceiling steel.		
10 21 13 19-0146	EA	36" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition	1,056.09	127.29
		For >10, Deduct	*-80.15*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
		For NFPA Class A, Add	*181.04*	
10 21 13 19-0147	EA	60" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,259.26	135.13
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
		For NFPA Class A, Add	*221.20*	
10 21 13 19-0148	EA	60" x 78", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,382.00	139.04
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
		For NFPA Class A, Add	*245.73*	
10 21 13 19-0149		Ceiling Hung, Solid Phenolic, Complete Toilet Partitions *(10 21 13 19-0136)*		
		Note: Excludes above ceiling steel.		
10 21 13 19-0150	EA	36" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition	1,058.17	146.88
		For >10, Deduct	*-76.44*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
		For NFPA Class A, Add	*175.21*	
10 21 13 19-0151	EA	60" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,255.01	154.71
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
		For NFPA Class A, Add	*214.04*	
10 21 13 19-0152	EA	60" x 78", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,377.76	158.63
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
		For NFPA Class A, Add	*238.57*	
10 21 13 19-0153		Solid Phenolic Urinal Screens *(10 21 13 19-0135)*		
		Note: Includes all standard Bobrick colors.		
10 21 13 19-0154		Floor Anchored, Solid Phenolic, Urinal Screens *(10 21 13 19-0153)*		
10 21 13 19-0155	EA	24" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen	346.66	54.81
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*55.26*	
10 21 13 19-0156	EA	36" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen	389.43	58.73
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*62.99*	
10 21 13 19-0157	EA	48" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen	461.07	62.64
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*76.78*	
10 21 13 19-0158		Wall Hung, Solid Phenolic, Urinal Screens *(10 21 13 19-0153)*		
10 21 13 19-0159	EA	18" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen	230.82	46.98
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*33.44*	
10 21 13 19-0160	EA	24" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen	264.63	50.90
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*39.29*	
10 21 13 19-0161	EA	30" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen	313.21	54.81
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*48.23*	
10 21 13 19-0162		Wall Hung And Post Supported, Solid Phenolic, Urinal Screens *(10 21 13 19-0153)*		
10 21 13 19-0163	EA	18" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen	236.87	50.90
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*33.46*	
10 21 13 19-0164	EA	24" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen	289.72	54.81
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*43.30*	
10 21 13 19-0165	EA	30" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen	334.57	58.73
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*51.47*	
10 21 13 19-0166		Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screens *(10 21 13 19-0153)*		
10 21 13 19-0167	EA	22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen	352.50	50.90
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*57.74*	
10 21 13 19-0168	EA	36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen	395.50	54.81
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*65.52*	
10 21 13 19-0169	EA	48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen	468.45	58.73
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*79.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0170		**Solid Phenolic Toilet Partition Doors, Panels And Pilasters** *(10 21 13 19-0135)* Note: Includes all standard Bobrick colors. See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.		
10 21 13 19-0171		**Solid Phenolic, Toilet Partition Doors** *(10 21 13 19-0170)*		
10 21 13 19-0172	EA	24" x 58" x 3/4", Solid Phenolic, Toilet Partition Door	238.63	15.67
		For Heavy Gauge Full-Height SS Hinge, Add	*40.42*	
		For NFPA Class A, Add	*45.10*	
10 21 13 19-0173	EA	26" x 58" x 3/4", Solid Phenolic, Toilet Partition Door	246.43	15.67
		For Heavy Gauge Full-Height SS Hinge, Add	*40.42*	
		For NFPA Class A, Add	*46.74*	
10 21 13 19-0174	EA	30" x 58" x 3/4", Solid Phenolic, Toilet Partition Door	270.35	17.63
		For Heavy Gauge Full-Height SS Hinge, Add	*40.42*	
		For NFPA Class A, Add	*51.13*	
10 21 13 19-0175	EA	34" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door	290.68	17.63
		For Heavy Gauge Full-Height SS Hinge, Add	*40.42*	
		For NFPA Class A, Add	*55.40*	
10 21 13 19-0176	EA	36" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door	311.56	17.63
		For Heavy Gauge Full-Height SS Hinge, Add	*40.42*	
		For NFPA Class A, Add	*59.79*	
10 21 13 19-0177		**Solid Phenolic, Toilet Partition Panels** *(10 21 13 19-0170)*		
10 21 13 19-0178	EA	6" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	90.20	23.50
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*11.42*	
10 21 13 19-0179	EA	12" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	115.71	25.46
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*16.15*	
10 21 13 19-0180	EA	18" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	152.00	27.42
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*23.15*	
10 21 13 19-0181	EA	24" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	188.68	29.38
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*30.22*	
10 21 13 19-0182	EA	30" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	209.30	31.33
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*33.93*	
10 21 13 19-0183	EA	36" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	230.86	33.30
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*37.83*	
10 21 13 19-0184	EA	42" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	266.61	35.25
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*44.71*	
10 21 13 19-0185	EA	48" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	303.38	37.21
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*51.80*	
10 21 13 19-0186	EA	55" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	323.17	39.17
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*55.33*	
10 21 13 19-0187	EA	58" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	331.96	39.95
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*56.93*	
10 21 13 19-0188	EA	60" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	338.64	41.13
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*57.95*	
10 21 13 19-0189	EA	70" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	386.44	43.08
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*67.37*	
10 21 13 19-0190	EA	78" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	461.38	45.05
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*82.48*	
10 21 13 19-0191		**69" Long, Solid Phenolic, Toilet Partition Pilasters** *(10 21 13 19-0170)*		
10 21 13 19-0192	EA	Up To 4" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	116.76	11.75
		For 1" Pilaster, Add	*11.66*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*20.76*	
10 21 13 19-0193	EA	5" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	134.54	13.71
		For 1" Pilaster, Add	*13.39*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*23.87*	
10 21 13 19-0194	EA	6" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	138.45	15.67
		For 1" Pilaster, Add	*13.39*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*24.06*	
10 21 13 19-0195	EA	8" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	159.98	17.63
		For 1" Pilaster, Add	*15.59*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*27.96*	
10 21 13 19-0196	EA	10" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	179.78	19.58
		For 1" Pilaster, Add	*17.58*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*31.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0197	EA	12" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	199.57	21.55
		For 1" Pilaster, Add	*19.56*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*35.02*	
10 21 13 19-0198	EA	16" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	252.28	23.50
		For 1" Pilaster, Add	*25.66*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*45.46*	
10 21 13 19-0199	EA	20" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	307.31	25.46
		For 1" Pilaster, Add	*32.05*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*56.39*	
10 21 13 19-0200	EA	24" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	323.34	27.42
		For 1" Pilaster, Add	*33.56*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*59.13*	

10 21 13 19-0201 83" Long, Solid Phenolic, Toilet Partition Pilasters *(10 21 13 19-0170)*

10 21 13 19-0202	EA	Up To 4" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	127.15	11.75
		For 1" Pilaster, Add	*12.96*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*22.94*	
10 21 13 19-0203	EA	5" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	148.97	13.71
		For 1" Pilaster, Add	*15.19*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*26.90*	
10 21 13 19-0204	EA	6" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	152.88	15.67
		For 1" Pilaster, Add	*15.19*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*27.09*	
10 21 13 19-0205	EA	8" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	176.73	17.63
		For 1" Pilaster, Add	*17.69*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*31.47*	
10 21 13 19-0206	EA	10" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	199.41	19.58
		For 1" Pilaster, Add	*20.03*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*35.61*	
10 21 13 19-0207	EA	12" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	222.24	21.55
		For 1" Pilaster, Add	*22.40*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*39.78*	
10 21 13 19-0208	EA	16" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	286.06	23.50
		For 1" Pilaster, Add	*29.88*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*52.55*	
10 21 13 19-0209	EA	20" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	338.93	25.46
		For 1" Pilaster, Add	*36.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*63.03*	
10 21 13 19-0210	EA	24" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	356.99	27.42
		For 1" Pilaster, Add	*37.77*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*66.20*	

10 21 13 19-0211 96" To 120" Long, Solid Phenolic, Toilet Partition Pilasters *(10 21 13 19-0170)*

10 21 13 19-0212	EA	Up To 4" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	145.38	15.67
		For 1" Pilaster, Add	*14.26*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*25.52*	
10 21 13 19-0213	EA	5" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	171.24	17.63
		For 1" Pilaster, Add	*17.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*30.32*	
10 21 13 19-0214	EA	6" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	175.16	19.58
		For 1" Pilaster, Add	*17.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*30.52*	
10 21 13 19-0215	EA	8" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	201.30	21.55
		For 1" Pilaster, Add	*19.78*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*35.38*	
10 21 13 19-0216	EA	10" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	226.88	23.50
		For 1" Pilaster, Add	*22.49*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*40.12*	
10 21 13 19-0217	EA	12" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	252.74	25.46
		For 1" Pilaster, Add	*25.23*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*44.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0218	EA	16" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	327.68	27.42
		For 1" Pilaster, Add	*34.11*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*60.04*	
10 21 13 19-0219	EA	20" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	378.37	29.38
		For 1" Pilaster, Add	*39.95*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*70.06*	
10 21 13 19-0220	EA	24" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	398.46	31.33
		For 1" Pilaster, Add	*41.97*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
		For NFPA Class A, Add	*73.65*	

10 21 13 19-0221 Solid Color Reinforced Composite Toilet Partitions And Urinal Screens *(10 21 13 19)*

Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid color reinforced composite core with a high pressure decorative matte surface finish as an integral part of the core material.

10 21 13 19-0222 Solid Color Reinforced Composite Toilet Partitions *(10 21 13 19-0221)*

Note: Includes all standard Bobrick colors.

10 21 13 19-0223 Floor Anchored, Solid Color Reinforced Composite, Complete Toilet Partitions *(10 21 13 19-0222)*

10 21 13 19-0224	EA	36" x 60", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition	990.82	88.13
		For >10, Deduct	*-81.46*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
10 21 13 19-0225	EA	60" x 60", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,209.56	95.96
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
10 21 13 19-0226	EA	60" x 78", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,346.11	99.88
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	

10 21 13 19-0227 Overhead Braced, Solid Color Reinforced Composite, Complete Toilet Partitions *(10 21 13 19-0222)*

Note: Includes headrail.

10 21 13 19-0228	EA	36" x 60", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition	1,106.14	107.71
		For >10, Deduct	*-89.07*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
10 21 13 19-0229	EA	60" x 60", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,333.39	115.55
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
10 21 13 19-0230	EA	60" x 78", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,476.40	119.46
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	

10 21 13 19-0231 Floor And Ceiling Anchored, Solid Color Reinforced Composite, Complete Toilet Partitions *(10 21 13 19-0222)*

Note: Excludes above ceiling steel.

10 21 13 19-0232	EA	36" x 60", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition	1,152.27	127.29
		For >10, Deduct	*-89.77*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
10 21 13 19-0233	EA	60" x 60", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,377.94	135.13
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
10 21 13 19-0234	EA	60" x 78", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,514.47	139.04
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	

10 21 13 19-0235 Ceiling Hung, Solid Color Reinforced Composite, Complete Toilet Partitions *(10 21 13 19-0222)*

Note: Excludes above ceiling steel.

10 21 13 19-0236	EA	36" x 60", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition	1,149.89	146.88
		For >10, Deduct	*-85.61*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
10 21 13 19-0237	EA	60" x 60", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,368.48	154.71
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
10 21 13 19-0238	EA	60" x 78", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,505.02	158.63
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0239		Solid Color Reinforced Composite Urinal Screens *(10 21 13 19-0221)*			
		Note: Includes all standard Bobrick colors.			
10 21 13 19-0240		Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screens *(10 21 13 19-0239)*			
10 21 13 19-0241	EA	24" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen		375.11	54.81
		For Heavy Gauge Full-Height SS Brackets, Add		*25.12*	
10 21 13 19-0242	EA	36" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen		422.07	58.73
		For Heavy Gauge Full-Height SS Brackets, Add		*25.12*	
10 21 13 19-0243	EA	48" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen		501.36	62.64
		For Heavy Gauge Full-Height SS Brackets, Add		*25.12*	
10 21 13 19-0244		Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screens *(10 21 13 19-0239)*			
10 21 13 19-0245	EA	18" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen		247.24	46.98
		For Heavy Gauge Full-Height SS Brackets, Add		*25.12*	
10 21 13 19-0246	EA	24" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen		284.17	50.90
		For Heavy Gauge Full-Height SS Brackets, Add		*25.12*	
10 21 13 19-0247	EA	30" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen		337.64	54.81
		For Heavy Gauge Full-Height SS Brackets, Add		*25.12*	
10 21 13 19-0248		Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screens *(10 21 13 19-0239)*			
10 21 13 19-0249	EA	18" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen		253.08	50.90
		For Heavy Gauge Full-Height SS Brackets, Add		*25.12*	
10 21 13 19-0250	EA	24" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen		311.33	54.81
		For Heavy Gauge Full-Height SS Brackets, Add		*25.12*	
10 21 13 19-0251	EA	30" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen		360.63	58.73
		For Heavy Gauge Full-Height SS Brackets, Add		*25.12*	
10 21 13 19-0252		Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screens *(10 21 13 19-0239)*			
10 21 13 19-0253	EA	22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen		382.58	50.90
		For Heavy Gauge Full-Height SS Brackets, Add		*25.12*	
10 21 13 19-0254	EA	36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen		429.81	54.81
		For Heavy Gauge Full-Height SS Brackets, Add		*25.12*	
10 21 13 19-0255	EA	48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen		510.57	58.73
		For Heavy Gauge Full-Height SS Brackets, Add		*25.12*	
10 21 13 19-0256		Solid Color Reinforced Composite Toilet Partition Doors, Panels And Pilasters *(10 21 13 19-0221)*			
		Note: Includes all standard Bobrick colors. See CSI section 10 21 13 43-0001 for other accessories.			
10 21 13 19-0257		Solid Color Reinforced Composite, Toilet Partition Doors *(10 21 13 19-0256)*			
10 21 13 19-0258	EA	24" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door		263.51	15.67
		For Heavy Gauge Full-Height SS Hinge, Add		*40.42*	
10 21 13 19-0259	EA	26" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door		272.24	15.67
		For Heavy Gauge Full-Height SS Hinge, Add		*40.42*	
10 21 13 19-0260	EA	30" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door		298.57	17.63
		For Heavy Gauge Full-Height SS Hinge, Add		*40.42*	
10 21 13 19-0261	EA	34" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door		321.33	17.63
		For Heavy Gauge Full-Height SS Hinge, Add		*40.42*	
10 21 13 19-0262	EA	36" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door		344.72	17.63
		For Heavy Gauge Full-Height SS Hinge, Add		*40.42*	
10 21 13 19-0263		Solid Color Reinforced Composite, Toilet Partition Panels *(10 21 13 19-0256)*			
10 21 13 19-0264	EA	6" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel		95.39	23.50
		For Heavy Gauge Full-Height SS Brackets, Add		*25.12*	
10 21 13 19-0265	EA	12" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel		123.48	25.46
		For Heavy Gauge Full-Height SS Brackets, Add		*25.12*	
10 21 13 19-0266	EA	18" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel		163.66	27.42
		For Heavy Gauge Full-Height SS Brackets, Add		*25.12*	
10 21 13 19-0267	EA	24" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel		204.27	29.38
		For Heavy Gauge Full-Height SS Brackets, Add		*25.12*	
10 21 13 19-0268	EA	30" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel		226.89	31.33
		For Heavy Gauge Full-Height SS Brackets, Add		*25.12*	
10 21 13 19-0269	EA	36" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel		250.58	33.30
		For Heavy Gauge Full-Height SS Brackets, Add		*25.12*	
10 21 13 19-0270	EA	42" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel		290.15	35.25
		For Heavy Gauge Full-Height SS Brackets, Add		*25.12*	
10 21 13 19-0271	EA	48" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel		330.85	37.21
		For Heavy Gauge Full-Height SS Brackets, Add		*25.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0272	EA	55" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	352.55	39.17
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0273	EA	58" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	362.20	39.95
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0274	EA	60" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	369.40	41.13
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0275	EA	70" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	422.48	43.08
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0276	EA	78" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	505.94	45.05
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	

10 21 13 19-0277 69" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters *(10 21 13 19-0256)*

10 21 13 19-0278	EA	Up To 4" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	127.95	11.75
		For 1" Pilaster, Add	*13.06*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0279	EA	5" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	147.39	13.71
		For 1" Pilaster, Add	*15.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0280	EA	6" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	151.30	15.67
		For 1" Pilaster, Add	*15.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0281	EA	8" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	174.95	17.63
		For 1" Pilaster, Add	*17.46*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0282	EA	10" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	196.65	19.58
		For 1" Pilaster, Add	*19.69*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0283	EA	12" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	218.35	21.55
		For 1" Pilaster, Add	*21.91*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0284	EA	16" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	276.92	23.50
		For 1" Pilaster, Add	*28.74*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0285	EA	20" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	338.07	25.46
		For 1" Pilaster, Add	*35.89*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0286	EA	24" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	355.57	27.42
		For 1" Pilaster, Add	*37.59*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	

10 21 13 19-0287 83" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters *(10 21 13 19-0256)*

10 21 13 19-0288	EA	Up To 4" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	139.59	11.75
		For 1" Pilaster, Add	*14.51*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0289	EA	5" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	163.56	13.71
		For 1" Pilaster, Add	*17.02*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0290	EA	6" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	167.47	15.67
		For 1" Pilaster, Add	*17.02*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0291	EA	8" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	193.70	17.63
		For 1" Pilaster, Add	*19.81*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0292	EA	10" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	218.64	19.58
		For 1" Pilaster, Add	*22.43*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0293	EA	12" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	243.74	21.55
		For 1" Pilaster, Add	*25.08*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0294	EA	16" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	314.75	23.50
		For 1" Pilaster, Add	*33.47*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0295	EA	20" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	373.49	25.46
		For 1" Pilaster, Add	*40.32*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0296	EA	24" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	393.25	27.42
		For 1" Pilaster, Add	*42.30*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	

10 21 13 19-0297 96" To 120" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters *(10 21 13 19-0256)*

10 21 13 19-0298	EA	Up To 4" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	159.06	15.67
		For 1" Pilaster, Add	*15.97*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0299	EA	5" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	187.56	17.63
		For 1" Pilaster, Add	*19.04*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0300	EA	6" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	191.48	19.58
		For 1" Pilaster, Add	*19.04*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0301	EA	8" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	220.29	21.55
		For 1" Pilaster, Add	*22.15*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0302	EA	10" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	248.46	23.50
		For 1" Pilaster, Add	*25.18*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0303	EA	12" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	276.96	25.46
		For 1" Pilaster, Add	*28.26*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0304	EA	16" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	360.42	27.42
		For 1" Pilaster, Add	*38.20*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0305	EA	20" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	416.72	29.38
		For 1" Pilaster, Add	*44.75*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0306	EA	24" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	438.75	31.33
		For 1" Pilaster, Add	*47.01*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	

10 21 13 19-0307 Solid Polyester (Corian) Toilet Partitions And Urinal Screens *(10 21 13 19)*

Note: Complete toilet partitions for corner installations. Includes 1/2" door (1" at edge), 1" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Produced or cast by combining unsaturated polyester resin with a combination of fillers, pigments and catalysts.

10 21 13 19-0308 Solid Polyester (Corian) Toilet Partitions *(10 21 13 19-0307)*

Note: Small particulate finish.

10 21 13 19-0309 Floor Anchored, Solid Polyester (Corian), Complete Toilet Partitions *(10 21 13 19-0308)*

10 21 13 19-0310	EA	36" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition	2,795.64	88.13
		For >10, Deduct	*-261.94*	
		For Solid Color Material (No Particulate), Deduct	*-602.46*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
10 21 13 19-0311	EA	60" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,374.57	95.96
		For Solid Color Material (No Particulate), Deduct	*-732.01*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
10 21 13 19-0312	EA	60" x 78", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,741.31	99.88
		For Solid Color Material (No Particulate), Deduct	*-814.56*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	

10 21 13 19-0313 Overhead Braced, Solid Polyester (Corian), Complete Toilet Partitions *(10 21 13 19-0308)*

10 21 13 19-0314	EA	36" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition	2,906.15	107.71
		For >10, Deduct	*-269.07*	
		For Solid Color Material (No Particulate), Deduct	*-618.87*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
10 21 13 19-0315	EA	60" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,814.13	115.55
		For Solid Color Material (No Particulate), Deduct	*-824.10*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
10 21 13 19-0316	EA	60" x 78", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	4,221.05	119.46
		For Solid Color Material (No Particulate), Deduct	*-915.89*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	

10 21 13 19-0317 Floor And Ceiling Anchored, Solid Polyester (Corian), Complete Toilet Partitions *(10 21 13 19-0308)*

Note: Excludes above ceiling steel.

10 21 13 19-0318	EA	36" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition	3,256.55	127.29
		For >10, Deduct	*-300.20*	
		For Solid Color Material (No Particulate), Deduct	*-690.45*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
10 21 13 19-0319	EA	60" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	4,368.26	135.13
		For Solid Color Material (No Particulate), Deduct	*-942.54*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
10 21 13 19-0320	EA	60" x 78", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	4,774.84	139.04
		For Solid Color Material (No Particulate), Deduct	*-1,034.25*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	

10 21 13 19-0321 Ceiling Hung, Solid Polyester (Corian), Complete Toilet Partitions *(10 21 13 19-0308)*

Note: Excludes above ceiling steel.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0322	EA	36" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition	3,291.86	146.88
		For >10, Deduct	*-299.81*	
		For Solid Color Material (No Particulate), Deduct	*-689.57*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
10 21 13 19-0323	EA	60" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	4,200.17	154.71
		For Solid Color Material (No Particulate), Deduct	*-894.87*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	
10 21 13 19-0324	EA	60" x 78", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	4,606.76	158.63
		For Solid Color Material (No Particulate), Deduct	*-986.59*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*90.66*	

10 21 13 19-0325 Solid Polyester (Corian) Urinal Screens *(10 21 13 19-0307)*

10 21 13 19-0326 Floor Anchored, Solid Polyester (Corian), Urinal Screens *(10 21 13 19-0325)*

10 21 13 19-0327	EA	24" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen	775.89	54.81
		For Solid Color Material (No Particulate), Deduct	*-153.24*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0328	EA	36" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen	1,022.99	58.73
		For Solid Color Material (No Particulate), Deduct	*-208.27*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0329	EA	48" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen	1,270.08	62.64
		For Solid Color Material (No Particulate), Deduct	*-263.30*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	

10 21 13 19-0330 Wall Hung, Solid Polyester (Corian), Urinal Screens *(10 21 13 19-0325)*

10 21 13 19-0331	EA	18" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen	399.98	46.98
		For Solid Color Material (No Particulate), Deduct	*-70.38*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0332	EA	24" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen	509.81	50.90
		For Solid Color Material (No Particulate), Deduct	*-93.84*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0333	EA	30" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen	619.65	54.81
		For Solid Color Material (No Particulate), Deduct	*-117.31*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	

10 21 13 19-0334 Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screens *(10 21 13 19-0325)*

10 21 13 19-0335	EA	18" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen	521.56	50.90
		For Solid Color Material (No Particulate), Deduct	*-96.55*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0336	EA	24" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen	649.02	54.81
		For Solid Color Material (No Particulate), Deduct	*-124.06*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0337	EA	30" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen	776.48	58.73
		For Solid Color Material (No Particulate), Deduct	*-151.58*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	

10 21 13 19-0338 Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screens *(10 21 13 19-0325)*

10 21 13 19-0339	EA	22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	794.14	50.90
		For Solid Color Material (No Particulate), Deduct	*-159.24*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0340	EA	34" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	1,041.23	54.81
		For Solid Color Material (No Particulate), Deduct	*-214.27*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0341	EA	46" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	1,288.32	58.73
		For Solid Color Material (No Particulate), Deduct	*-269.30*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	

10 21 13 19-0342 Solid Polyester (Corian) Toilet Partition Doors, Panels And Pilasters *(10 21 13 19-0307)*

See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.

10 21 13 19-0343 Solid Polyester (Corian), Toilet Partition Doors *(10 21 13 19-0342)*

10 21 13 19-0344	EA	24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	609.54	15.67
		For Solid Color Material (No Particulate), Deduct	*-132.99*	
		For Heavy Gauge Full-Height SS Hinge, Add	*40.42*	
10 21 13 19-0345	EA	26" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	650.86	15.67
		For Solid Color Material (No Particulate), Deduct	*-142.49*	
		For Heavy Gauge Full-Height SS Hinge, Add	*40.42*	
10 21 13 19-0346	EA	30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	742.18	17.63
		For Solid Color Material (No Particulate), Deduct	*-162.59*	
		For Heavy Gauge Full-Height SS Hinge, Add	*40.42*	
10 21 13 19-0347	EA	34" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	827.46	17.63
		For Solid Color Material (No Particulate), Deduct	*-182.21*	
		For Heavy Gauge Full-Height SS Hinge, Add	*40.42*	
10 21 13 19-0348	EA	36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	864.57	17.63
		For Solid Color Material (No Particulate), Deduct	*-190.74*	
		For Heavy Gauge Full-Height SS Hinge, Add	*40.42*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0349		Solid Polyester (Corian), Toilet Partition Panels *(10 21 13 19-0342)*		
10 21 13 19-0350	EA	6" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	166.62	23.50
		For Solid Color Material (No Particulate), Deduct	*-27.51*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0351	EA	12" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	290.18	25.46
		For Solid Color Material (No Particulate), Deduct	*-55.03*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0352	EA	18" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	413.72	27.42
		For Solid Color Material (No Particulate), Deduct	*-82.54*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0353	EA	24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	537.27	29.38
		For Solid Color Material (No Particulate), Deduct	*-110.06*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0354	EA	30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	660.82	31.33
		For Solid Color Material (No Particulate), Deduct	*-137.57*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0355	EA	36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	784.35	33.30
		For Solid Color Material (No Particulate), Deduct	*-165.09*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0356	EA	42" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	907.91	35.25
		For Solid Color Material (No Particulate), Deduct	*-192.60*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0357	EA	48" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,031.45	37.21
		For Solid Color Material (No Particulate), Deduct	*-220.12*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0358	EA	55" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,174.93	39.17
		For Solid Color Material (No Particulate), Deduct	*-252.22*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0359	EA	58" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,236.33	39.95
		For Solid Color Material (No Particulate), Deduct	*-265.98*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0360	EA	60" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,278.54	41.13
		For Solid Color Material (No Particulate), Deduct	*-275.15*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0361	EA	70" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,481.84	43.08
		For Solid Color Material (No Particulate), Deduct	*-321.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0362	EA	78" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,645.26	45.05
		For Solid Color Material (No Particulate), Deduct	*-357.69*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0363		72" Long, Solid Polyester (Corian), Toilet Partition Pilasters *(10 21 13 19-0342)*		
10 21 13 19-0364	EA	Up To 4" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	211.25	11.75
		For Solid Color Material (No Particulate), Deduct	*-43.18*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0365	EA	5" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	262.11	13.71
		For Solid Color Material (No Particulate), Deduct	*-53.98*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0366	EA	6" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	312.96	15.67
		For Solid Color Material (No Particulate), Deduct	*-64.77*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0367	EA	8" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	410.77	17.63
		For Solid Color Material (No Particulate), Deduct	*-86.37*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0368	EA	10" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	508.56	19.58
		For Solid Color Material (No Particulate), Deduct	*-107.96*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0369	EA	12" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	606.35	21.55
		For Solid Color Material (No Particulate), Deduct	*-129.55*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0370	EA	18" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	891.89	23.50
		For Solid Color Material (No Particulate), Deduct	*-194.32*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0371	EA	22" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,083.58	25.46
		For Solid Color Material (No Particulate), Deduct	*-237.51*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0372	EA	24" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,181.36	27.42
		For Solid Color Material (No Particulate), Deduct	*-259.10*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0373		82" Long, Solid Polyester (Corian), Toilet Partition Pilasters *(10 21 13 19-0342)*		
10 21 13 19-0374	EA	Up To 4" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	237.33	11.75
		For Solid Color Material (No Particulate), Deduct	*-49.18*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0375	EA	5" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	294.72	13.71
		For Solid Color Material (No Particulate), Deduct	*-61.48*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0376	EA	6" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	345.97	15.67
		For Solid Color Material (No Particulate), Deduct	*-72.37*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0377	EA	8" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	471.07	17.63
		For Solid Color Material (No Particulate), Deduct	*-100.24*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0378	EA	10" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	573.75	19.58
		For Solid Color Material (No Particulate), Deduct	*-122.95*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0379	EA	12" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	684.57	21.55
		For Solid Color Material (No Particulate), Deduct	*-147.54*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0380	EA	18" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,009.24	23.50
		For Solid Color Material (No Particulate), Deduct	*-221.32*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0381	EA	22" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,227.01	25.46
		For Solid Color Material (No Particulate), Deduct	*-270.50*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0382	EA	24" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,337.83	27.42
		For Solid Color Material (No Particulate), Deduct	*-295.09*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0383		96" To 120" Long, Solid Polyester (Corian), Toilet Partition Pilasters *(10 21 13 19-0342)*		
10 21 13 19-0384	EA	Up To 4" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	312.96	15.67
		For Solid Color Material (No Particulate), Deduct	*-64.77*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0385	EA	5" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	387.29	17.63
		For Solid Color Material (No Particulate), Deduct	*-80.97*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0386	EA	6" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	461.62	19.58
		For Solid Color Material (No Particulate), Deduct	*-97.16*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0387	EA	8" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	606.35	21.55
		For Solid Color Material (No Particulate), Deduct	*-129.55*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0388	EA	10" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	751.08	23.50
		For Solid Color Material (No Particulate), Deduct	*-161.94*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0389	EA	12" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	895.81	25.46
		For Solid Color Material (No Particulate), Deduct	*-194.32*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0390	EA	18" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,322.18	27.42
		For Solid Color Material (No Particulate), Deduct	*-291.49*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0391	EA	22" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,607.74	29.38
		For Solid Color Material (No Particulate), Deduct	*-356.27*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 19-0392	EA	24" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,752.47	31.33
		For Solid Color Material (No Particulate), Deduct	*-388.65*	
		For Heavy Gauge Full-Height SS Brackets, Add	*25.12*	
10 21 13 43		**Compartments and Cubicles Common Accessories** *(10 21 13)*		
10 21 13 43-0001		Accessories *(10 21 13 43)*		
10 21 13 43-0002	LF	Extruded Aluminum Headrails For Toilet Partitions And Urinal Screens	8.83	1.57
10 21 13 43-0003	LF	Stainless Steel Headrails For Toilet Partitions And Urinal Screens	13.02	1.57
10 21 13 43-0004	EA	Replacement 1-1/2" x 58" Stainless Steel Wall Posts	88.70	
10 21 13 43-0005	EA	Replacement 58" Aluminum Wall U Bracket	46.39	
10 21 13 43-0006	EA	Replacement 58" Aluminum Wall Two Ear Bracket	77.13	
10 21 13 43-0007	EA	Replacement 54" Stainless Steel Wall U Bracket	67.70	
10 21 13 43-0008	EA	Replacement 54" Stainless Steel Wall Two Ear Bracket	166.26	
10 21 13 43-0009	EA	Replacement 54" Plastic Wall Two Ear Bracket, All Colors	102.25	
10 21 13 43-0010	EA	Replacement 57-1/2" Stainless Steel Hinge	108.84	
10 21 16		**Shower And Dressing Compartments** *(10 21)*		
10 21 16 00-0001		Shower Dividers *(10 21 16)*		
10 21 16 00-0002		Solid Phenolic Core Laminated Plastic, Shower Dividers *(10 21 16 00-0001)* Note: Cut to height in field. panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels.		
10 21 16 00-0003	EA	18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	652.08	97.92
		For 66" High Panels, Add	*68.44*	
10 21 16 00-0004	EA	24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	819.84	105.75
		For 66" High Panels, Add	*91.25*	
10 21 16 00-0005	EA	36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	1,060.61	117.50
		For 66" High Panels, Add	*123.84*	
10 21 16 00-0006	EA	48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	1,251.83	137.08
		For 66" High Panels, Add	*146.65*	
10 21 16 00-0007	EA	57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	1,443.10	156.66
		For 66" High Panels, Add	*169.46*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 16 00-0008		Solid Phenolic Core Laminated Plastic, Shower Dividers With Headrail And Curtain Track *(10 21 16 00-0001)*		
		Note: Cut to height in field. Panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels. Includes 3/4" stiles, 85" from floor to top of headrail. Headrail 4" wide. All stainless steel shoes and stainless steel fittings. Leveling devices are chromate treated double zinc plated steel. Overhead braced designed with concealed curtain tracks and hooks in headrail.		
10 21 16 00-0009	EA	18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	1,575.32	172.10
		For 66" High Panels, Add	*219.09*	
		For 6" Wide Head Rail, Add	*40.38*	
		For 8" Wide Head Rail, Add	*56.13*	
		For 10" Wide Head rail, Add	*68.44*	
		For 12" Wide Head Rail, Add	*82.47*	
		For 18" Wide, 1/2" Thick Bench, Add	*119.42*	
		For 24" Wide, 1/2" Thick Bench, Add	*159.42*	
10 21 16 00-0010	EA	24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	1,944.97	187.93
		For 66" High Panels, Add	*272.95*	
		For 6" Wide Head Rail, Add	*50.83*	
		For 8" Wide Head Rail, Add	*70.28*	
		For 10" Wide Head rail, Add	*85.97*	
		For 12" Wide Head Rail, Add	*103.54*	
		For 18" Wide, 1/2" Thick Bench, Add	*122.59*	
		For 24" Wide, 1/2" Thick Bench, Add	*162.59*	
10 21 16 00-0011	EA	36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	2,451.56	199.83
		For 66" High Panels, Add	*347.75*	
		For 6" Wide Head Rail, Add	*65.55*	
		For 8" Wide Head Rail, Add	*90.07*	
		For 10" Wide Head rail, Add	*110.59*	
		For 12" Wide Head Rail, Add	*133.11*	
		For 18" Wide, 1/2" Thick Bench, Add	*124.97*	
		For 24" Wide, 1/2" Thick Bench, Add	*164.97*	
10 21 16 00-0012	EA	48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	2,619.73	223.57
		For 66" High Panels, Add	*370.60*	
		For 6" Wide Head Rail, Add	*69.65*	
		For 8" Wide Head Rail, Add	*95.85*	
		For 10" Wide Head rail, Add	*117.57*	
		For 12" Wide Head Rail, Add	*141.53*	
		For 18" Wide, 1/2" Thick Bench, Add	*129.71*	
		For 24" Wide, 1/2" Thick Bench, Add	*169.71*	
10 21 16 00-0013	EA	57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	2,996.49	242.99
		For 66" High Panels, Add	*425.18*	
		For 6" Wide Head Rail, Add	*80.18*	
		For 8" Wide Head Rail, Add	*110.14*	
		For 10" Wide Head rail, Add	*135.25*	
		For 12" Wide Head Rail, Add	*162.78*	
		For 18" Wide, 1/2" Thick Bench, Add	*133.59*	
		For 24" Wide, 1/2" Thick Bench, Add	*173.59*	
10 21 23		**Cubicle Curtains And Track** *(10 21)*		
10 21 23 13		**Cubicle Curtains** *(10 21 23)*		
10 21 23 13-0001		Hospital Curtains *(10 21 23 13)*		
10 21 23 13-0002	LF	84" High, Fire Resistant Polyester, Hospital Cubicle Curtain	13.25	0.68
10 21 23 13-0003	LF	90" High, Fire Resistant Polyester, Hospital Cubicle Curtain	14.04	0.68
10 21 23 13-0004	LF	96" High, Fire Resistant Polyester, Hospital Cubicle Curtain	15.05	0.68
10 21 23 13-0005	LF	102" High, Fire Resistant Polyester, Hospital Cubicle Curtain	15.85	0.68
10 21 23 13-0006	LF	108" High, Fire Resistant Polyester, Hospital Cubicle Curtain	16.66	0.68
10 21 23 13-0007	LF	120" High, Fire Resistant Polyester, Hospital Cubicle Curtain	18.21	0.68
10 21 23 16		**Cubicle Track And Hardware** *(10 21 23)*		
10 21 23 16-0001		Hospital Cubicle Curtain Channel Track *(10 21 23 16)*		
		Note: Track is extruded aluminum. Includes curved sections, carrier rollers and all fittings.		
10 21 23 16-0002	LF	Flush Mounted, Aluminum, Hospital Cubicle Curtain Channel Track	13.28	2.35
10 21 23 16-0003	LF	Suspended, Aluminum, Hospital Cubicle Curtain Channel Track	21.39	3.91
10 21 23 16-0004		Hospital IV Tracks *(10 21 23 16)*		
10 21 23 16-0005	LF	Oval Hospital Partition IV Track	13.82	2.24
10 21 23 16-0006	EA	Hospital Partition IV Trolley	74.24	9.31
10 21 23 16-0007	EA	5 Hook Tree, Hospital Partition IV Pendant	288.96	9.31
10 22		Partitions *(10 20)*		
10 22 13		**Wire Mesh Partitions** *(10 22)*		
10 22 13 00-0001		Wall Panels *(10 22 13)*		
		Note: Includes steel frame and posts. Posts bolted to floor.		
10 22 13 00-0002	SF	Wire Mesh Wall Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	7.64	0.98
		For 5' Wide Panels, Add	*0.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 13 00-0003	SF	Wire Mesh Wall Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	8.51	1.18
		For 5' Wide Panels, Add	*0.31*	
10 22 13 00-0004	SF	Wire Mesh Wall Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	9.60	1.37
		For 5' Wide Panels, Add	*0.34*	
10 22 13 00-0005		**Ceiling Panels** *(10 22 13)*		
		Note: Includes steel frame.		
10 22 13 00-0006	SF	Wire Mesh Ceiling Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	8.00	1.18
10 22 13 00-0007	SF	Wire Mesh Ceiling Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	8.86	1.37
10 22 13 00-0008	SF	Wire Mesh Ceiling Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	9.84	1.57
10 22 13 00-0009		**Sliding Doors** *(10 22 13)*		
		Note: Includes padlocks lugs and/or provisions for cylinder lock.		
10 22 13 00-0010	EA	4' x 8' Sliding Door, 10 Gauge With Cylinder Lock	784.38	205.63
		For 8 Gauge, Add	*76.53*	
		For 6 Gauge, Add	*153.06*	
10 22 13 00-0011	EA	4' x 10' Sliding Door, 10 Gauge With Cylinder Lock	832.53	227.17
		For 8 Gauge, Add	*79.45*	
		For 6 Gauge, Add	*158.89*	
10 22 13 00-0012	EA	5' x 8' Sliding Door, 10 Gauge With Cylinder Lock	902.58	235.01
		For 8 Gauge, Add	*88.39*	
		For 6 Gauge, Add	*176.77*	
10 22 13 00-0013	EA	5' x 10' Sliding Door, 10 Gauge With Cylinder Lock	983.49	254.59
		For 8 Gauge, Add	*96.61*	
		For 6 Gauge, Add	*193.21*	
10 22 13 00-0014	EA	6' x 8' Sliding Door, 10 Gauge With Cylinder Lock	1,021.14	270.26
		For 8 Gauge, Add	*99.12*	
		For 6 Gauge, Add	*198.24*	
10 22 13 00-0015	EA	6' x 10' Sliding Door, 10 Gauge With Cylinder Lock	1,116.99	285.92
		For 8 Gauge, Add	*110.36*	
		For 6 Gauge, Add	*220.73*	
10 22 13 00-0016	EA	8' x 8' Sliding Door, 10 Gauge With Cylinder Lock	1,200.55	307.46
		For 8 Gauge, Add	*118.59*	
		For 6 Gauge, Add	*237.18*	
10 22 13 00-0017	EA	8' x 10' Sliding Door, 10 Gauge With Cylinder Lock	1,298.79	321.17
		For 8 Gauge, Add	*130.58*	
		For 6 Gauge, Add	*261.17*	
10 22 13 00-0018	EA	10' x 8' Sliding Door, 10 Gauge With Cylinder Lock	1,313.20	329.01
		For 8 Gauge, Add	*131.18*	
		For 6 Gauge, Add	*262.36*	
10 22 13 00-0019	EA	10' x 10' Sliding Door, 10 Gauge With Cylinder Lock	1,440.91	348.59
		For 8 Gauge, Add	*146.42*	
		For 6 Gauge, Add	*292.84*	
10 22 13 00-0020		**Swing Doors** *(10 22 13)*		
10 22 13 00-0021		**Single Swing Door** *(10 22 13 00-0020)*		
10 22 13 00-0022	EA	3' x 7' Swing Door, 10 Gauge With Cylinder Lock	530.52	121.42
		For 8 Gauge, Add	*53.47*	
		For 6 Gauge, Add	*106.93*	
10 22 13 00-0023	EA	3' x 8' Swing Door, 10 Gauge With Cylinder Lock	568.88	137.08
		For 8 Gauge, Add	*57.92*	
		For 6 Gauge, Add	*115.83*	
10 22 13 00-0024	EA	3' x 9' Swing Door, 10 Gauge With Cylinder Lock	608.58	144.91
		For 8 Gauge, Add	*62.30*	
		For 6 Gauge, Add	*124.61*	
10 22 13 00-0025	EA	4' x 7' Swing Door, 10 Gauge With Cylinder Lock	608.05	156.66
		For 8 Gauge, Add	*59.87*	
		For 6 Gauge, Add	*119.75*	
10 22 13 00-0026	EA	4' x 8' Swing Door, 10 Gauge With Cylinder Lock	649.02	164.50
		For 8 Gauge, Add	*64.45*	
		For 6 Gauge, Add	*128.90*	
10 22 13 00-0027	EA	4' x 9' Swing Door, 10 Gauge With Cylinder Lock	678.40	172.33
		For 8 Gauge, Add	*67.29*	
		For 6 Gauge, Add	*134.59*	
10 22 13 00-0028	EA	4' x 7' Dutch Door, 10 Gauge With Cylinder Lock	772.55	156.66
		For 8 Gauge, Add	*84.55*	
		For 6 Gauge, Add	*169.10*	
10 22 13 00-0029	EA	4' x 8' Dutch Door, 10 Gauge With Cylinder Lock	818.68	164.50
		For 8 Gauge, Add	*89.90*	
		For 6 Gauge, Add	*179.80*	
10 22 13 00-0030		**Double Swing Doors** *(10 22 13 00-0020)*		
10 22 13 00-0031	EA	6' x 7' Double Swing Door, 10 Gauge With Cylinder Lock	833.10	195.83
		For 8 Gauge, Add	*85.80*	
		For 6 Gauge, Add	*171.60*	
10 22 13 00-0032	EA	6' x 8' Double Swing Door, 10 Gauge With Cylinder Lock	856.60	207.59
		For 8 Gauge, Add	*86.97*	
		For 6 Gauge, Add	*173.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 13 00-0033	EA	6' x 9' Double Swing Door, 10 Gauge With Cylinder Lock	1,140.66	219.34
		For 8 Gauge, Add	*127.23*	
		For 6 Gauge, Add	*254.46*	
10 22 13 00-0034	EA	8 x 7' Double Swing Door, 10 Gauge With Cylinder Lock	911.43	235.01
		For 8 Gauge, Add	*89.71*	
		For 6 Gauge, Add	*179.43*	
10 22 13 00-0035	EA	8 x 8' Double Swing Door, 10 Gauge With Cylinder Lock	934.93	246.76
		For 8 Gauge, Add	*90.89*	
		For 6 Gauge, Add	*181.78*	
10 22 13 00-0036	EA	8 x 9' Double Swing Door, 10 Gauge With Cylinder Lock	1,218.99	258.51
		For 8 Gauge, Add	*131.15*	
		For 6 Gauge, Add	*262.30*	

10 22 19 Demountable Partitions *(10 22)*

10 22 19 13 Demountable Metal Partitions *(10 22 19)*

10 22 19 13-0001	LF	Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5"	88.53	12.45
		For >9, Add 11.07		
10 22 19 13-0002	LF	Demountable Partition, 1.75 System, Aluminum Frame, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5"	77.19	9.91
		For >9, Add 9.65		
10 22 19 13-0003	LF	Demountable Partition, 1.75 System, Aluminum Frame, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5"	65.86	7.45
		For >9, Add 8.23		
10 22 19 13-0004	LF	Demountable Partition, Moveable Steel Wall, Mod System, Unitized Panel, 9' High, 48" Wide, Backed Enamel	161.90	9.91
		For >9, Add 20.24		
10 22 19 13-0005	LF	Demountable Partition, Moveable Steel Wall, Mod System, Unitized Panels, 9' High, 48" Wide, Fabric	238.92	10.65
		For >9, Add 29.87		

10 22 19 43 Demountable Composite Partitions *(10 22 19)*

10 22 19 43-0001	LF	Demountable Partition, Mineral Fiber System, Unitized Panel, 9' High, 2-1/4" Thick, Aluminum Frame, Vinyl Clad	133.06	12.45
		For >9, Add 16.63		
10 22 19 43-0002	LF	Demountable Partition, Mineral Fiber System, Unitized Panel, 9' High, 2-1/4" Thick, Aluminum Frame, Fabric Clad	165.58	13.56
		For >9, Add 20.70		
10 22 19 43-0003	SF	Partition, Trackless Wall, Cork Finish, Semi-Acoustic, 1-5/8" Thick	27.53	1.86
		For Acoustical Partitions, Add	*2.39*	
10 22 19 43-0004	SF	Partition, Trackless Wall, Cork Finish, Semi-Acoustic, 1-5/8" Thick	34.91	3.13
		For Acoustical Partitions, Add	*2.86*	
10 22 19 43-0005	SF	Partition, Trackless Wall, Cork Finish, Acoustic, 2" Thick	29.37	1.93
		For Acoustical Partitions, Add	*2.55*	
10 22 19 43-0006	SF	Partition, Trackless Wall, Cork Finish, Acoustic, 2" Thick	41.92	2.68
		For Acoustical Partitions, Add	*3.66*	

10 22 19 53 Demountable Gypsum Partitions *(10 22 19)*

10 22 19 53-0001	LF	Demountable Partition Gypsum System, 2" To 2.5" Steel Standard, 9' High, 3" To 3-3/4" Thick, Vinyl Clad	90.44	12.45
		For >9, Add 11.31		
10 22 19 53-0002	LF	Demountable Partition Gypsum System, 2" To 2.5" Steel Standard, 9' High, 3" To 3-3/4" Thick, Fabric Clad	160.00	13.56
		For >9, Add 20.00		
10 22 19 53-0003	LF	Demountable Partition Gypsum System, On 2" To 2-1/ 2", Steel Standard, 9' High, 3" To 3-3/4" Thick	171.89	14.90
		For >9, Add 21.49		
10 22 19 53-0004	LF	Demountable Partition Gypsum System, Unitized Panel, 9' High, 2" To 2-1/2" Thick, Vinyl Clad	109.18	12.45
		For >9, Add 13.65		
10 22 19 53-0005	LF	Demountable Partition Gypsum System, Unitized Panel, 9' High, 2" To 2-1/2" Thick, Fabric Clad	178.31	13.56
		For >9, Add 22.29		

10 22 19 71 Remove And Store Demountable Partitions *(10 22 19)*

10 22 19 71-0001	LF	Remove, Store And Reinstall Demountable Partitions, Up To 10'	54.83	

10 22 23 Portable Partitions, Screens, And Panels *(10 22)*

Note: Cubicle prices include standard units, standard height glass and glazing. For 25 percent and 50 percent glass 1/4" plate glass is used. For 100 percent glass 1/4" tempered plate is used.

10 22 23 00-0001 Portable Partitions *(10 22 23)*

10 22 23 00-0002	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 4' High	163.14	5.97
10 22 23 00-0003	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 5' High	174.02	6.63
10 22 23 00-0004	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 6' High	206.91	7.97
10 22 23 00-0005	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 4' High	119.83	3.43
10 22 23 00-0006	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 5' High	127.34	3.95
10 22 23 00-0007	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 6' High	143.24	4.77
10 22 23 00-0008	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 6'-0" Long, 5' High	121.97	3.65
10 22 23 00-0009	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Curved, 3'-0" Long, 5' High	217.00	6.63
10 22 23 00-0010	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Curved, 3'-0" Long, 6' High	238.74	7.97
10 22 23 00-0011	LF	Partitions, Portable, Economical Panels, Fabric Face, 4'-0" Long, 5' High	126.82	4.55
10 22 23 00-0012	LF	Partitions, Portable, Economical Panels, Fabric Face, 4'-0" Long, 6' High	144.35	5.29
10 22 23 00-0013	LF	Partitions, Portable, Economical Panels, Fabric Face, 5'-0" Long, 5' High	116.19	3.95
10 22 23 00-0014	LF	Partitions, Portable, Economical Panels, Fabric Face, 5'-0" Long, 6' High	130.51	4.77
10 22 23 00-0015	LF	Partitions, Portable, Economical Panels, Fabric Face, 3'-0" Curved, 5' High	193.12	6.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 23 00-0016	LF	Partitions, Portable, Economical Panels, Fabric Face, 3'-0" Curved, 6' High	218.05	7.97
10 22 23 00-0017	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 3'-0" Long, 5' High	196.31	6.63
10 22 23 00-0018	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 3'-0" Long, 6' High	238.74	7.97
10 22 23 00-0019	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 5'-0" Long, 5' High	151.21	3.95
10 22 23 00-0020	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 5'-0" Long, 6' High	170.30	4.77
10 22 23 00-0021	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 6'-0" Long, 5' High	159.38	3.65
10 22 23 00-0022	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 6'-0" Long, 6' High	190.11	4.32
10 22 23 00-0023	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 4'-0" Long, 5' High	93.40	4.55
10 22 23 00-0024	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 4'-0" Long, 6' High	110.13	5.29
10 22 23 00-0025	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 5'-0" Long, 6' High	99.47	4.77
10 22 23 00-0026	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 6'-0" Long, 5' High	72.62	3.65
10 22 23 00-0027	LF	Partitions, Portable, Metal Chalkboard, 6'-6" High, 1 Side	117.77	4.77
10 22 23 00-0028	LF	Partitions, Portable, Metal Chalkboard, 2 Sides	134.10	4.99
10 22 23 00-0029	LF	Partitions, Portable, Tackboard, Both Sides	108.38	4.85

10 22 33 Accordion Folding Partitions *(10 22)*

10 22 33 00-0001 Accordion Doors/Partitions *(10 22 33)*

Note: Includes top support track and assembled panels.

10 22 33 00-0002	SF	15 STC, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 1500)	41.79	3.69
		For <135 SF, Add	*8.36*	
10 22 33 00-0003	SF	20 STC, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 2000)	42.50	3.82
		For <135 SF, Add	*8.50*	
10 22 33 00-0004	SF	31 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 3100)	44.45	3.93
		For <135 SF, Add	*8.89*	
10 22 33 00-0005	SF	35 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 3500)	47.03	4.06
		For <135 SF, Add	*9.41*	
10 22 33 00-0006	SF	39 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 3900)	47.91	4.18
		For <135 SF, Add	*9.58*	
10 22 33 00-0007	SF	40 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 4000)	48.57	4.30
		For <135 SF, Add	*9.71*	
10 22 33 00-0008	SF	41 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 4100)	49.22	4.42
		For <135 SF, Add	*9.84*	
10 22 33 00-0009	SF	45 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 4500)	50.14	4.68
		For <135 SF, Add	*10.03*	

10 22 43 Sliding Partitions *(10 22)*

10 22 43 00-0001 Operable Wall *(10 22 43)*

Note: Includes top support track, assembled panel and frames.

10 22 43 00-0002	SF	Up To 720 SF, 12' Height Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.	69.32	6.40
		For 51 STC, Add	*5.51*	
10 22 43 00-0003	SF	>720 To 1,200 SF, 12 High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.	64.41	5.12
		For 51 STC, Add	*5.40*	
10 22 43 00-0004	SF	>1,200 SF, 12' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.	60.78	4.26
		For 51 STC, Add	*5.28*	
10 22 43 00-0005	SF	Up To 1,080 SF, 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.	59.09	4.48
		For 51 STC, Add	*5.02*	
10 22 43 00-0006	SF	>1,080 To 1,800 SF, 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.	55.30	3.65
		For 51 STC, Add	*4.88*	
10 22 43 00-0007	SF	>1,800 SF, 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.	53.08	3.26
		For 51 STC, Add	*4.76*	
10 22 43 00-0008	SF	Up To 1,440 SF, 24' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.	52.48	3.52
		For 51 STC, Add	*4.61*	
10 22 43 00-0009	SF	>1,440 To 2,400 SF, 24' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.	49.61	3.00
		For 51 STC, Add	*4.46*	
10 22 43 00-0010	SF	>2,400 SF, 24' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.	47.62	2.69
		For 51 STC, Add	*4.35*	
10 22 43 00-0011	SF	Up To 160 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating Note: Includes type 3 pocket door, track and hardware. Hufcor 632.	73.39	5.70
		For 51 STC, Add	*6.20*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 43 00-0012	SF	>160 To 240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating	67.80	4.33
		Note: Includes type 3 pocket door, track and hardware. Hufcor 632.		
		For 51 STC, Add	*6.03*	
10 22 43 00-0013	SF	>240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating	64.49	3.65
		Note: Includes type 3 pocket door, track and hardware. Hufco 632.		
		For 51 STC, Add	*5.89*	

10 26 Wall And Door Protection *(10 20)*

10 26 13 Corner Guards *(10 26)*

10 26 13 00-0001 Vinyl Corner Guards *(10 26 13)*

10 26 13 00-0002 Rigid Vinyl Corner Guards *(10 26 13 00-0001)*

10 26 13 00-0003 Surface Mounted, Rigid Vinyl Corner Guards *(10 26 13 00-0002)*

10 26 13 00-0004 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards *(10 26 13 00-0003)*

10 26 13 00-0005	LF	3/4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-34)	5.70	2.35
		For >50 To 100 LF, Deduct	*-0.98*	
		For >100 To 200 LF, Deduct	*-1.37*	
		For >200 LF, Deduct	*-1.85*	
10 26 13 00-0006	LF	1-1/2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-12)	6.41	2.35
		For >50 To 100 LF, Deduct	*-0.98*	
		For >100 To 200 LF, Deduct	*-1.37*	
		For >200 LF, Deduct	*-1.88*	
10 26 13 00-0007	LF	3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-13)	9.58	2.35
		For >50 To 100 LF, Deduct	*-0.98*	
		For >100 To 200 LF, Deduct	*-1.37*	
		For >200 LF, Deduct	*-2.04*	
10 26 13 00-0008	LF	4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-14)	11.28	2.35
		For >50 To 100 LF, Deduct	*-0.98*	
		For >100 To 200 LF, Deduct	*-1.37*	
		For >200 LF, Deduct	*-2.13*	

10 26 13 00-0009 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards *(10 26 13 00-0003)*

10 26 13 00-0010	LF	1-1/2" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-1245)	10.69	2.35
		For >50 To 100 LF, Deduct	*-0.98*	
		For >100 To 200 LF, Deduct	*-1.37*	
		For >200 LF, Deduct	*-2.10*	

10 26 13 00-0011 Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0001)*

Note: Includes closure caps.

10 26 13 00-0012 Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0011)*

10 26 13 00-0013 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0012)*

10 26 13 00-0014	LF	2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-20)	12.11	3.52
		For >50 To 100 LF, Deduct	*-1.47*	
		For >100 To 200 LF, Deduct	*-2.06*	
		For >200 LF, Deduct	*-2.96*	
		For Recycled Vinyl Retainer, Deduct	*-1.25*	
10 26 13 00-0015	LF	3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-10)	14.19	3.52
		For >50 To 100 LF, Deduct	*-1.47*	
		For >100 To 200 LF, Deduct	*-2.06*	
		For >200 LF, Deduct	*-3.06*	
		For Recycled Vinyl Retainer, Deduct	*-1.66*	
10 26 13 00-0016	LF	Bullnose 3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-30)	15.02	3.52
		For >50 To 100 LF, Deduct	*-1.47*	
		For >100 To 200 LF, Deduct	*-2.06*	
		For >200 LF, Deduct	*-3.10*	
		For Recycled Vinyl Retainer, Deduct	*-1.83*	

10 26 13 00-0017 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0012)*

10 26 13 00-0018	LF	3" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-135)	16.27	3.52
		For >50 To 100 LF, Deduct	*-1.47*	
		For >100 To 200 LF, Deduct	*-2.06*	
		For >200 LF, Deduct	*-3.17*	
		For Recycled Vinyl Retainer, Deduct	*-2.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0019		End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0012)*		
		Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.		
10 26 13 00-0020	LF	2" Wing, End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-11)	32.83	4.70
		For >50 To 100 LF, Deduct	*-1.96*	
		For >100 To 200 LF, Deduct	*-2.74*	
		For >200 LF, Deduct	*-4.77*	
		For Recycled Vinyl Retainer, Deduct	*-5.00*	
10 26 13 00-0021		Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0011)*		
10 26 13 00-0022		90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0021)*		
10 26 13 00-0023	LF	2" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-72)	14.70	3.52
		For >50 To 100 LF, Deduct	*-1.47*	
		For >100 To 200 LF, Deduct	*-2.06*	
		For >200 LF, Deduct	*-3.09*	
		For Up To 2 HR Fire Rated, Add	*6.17*	
10 26 13 00-0024	LF	3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-7)	17.18	3.52
		For >50 To 100 LF, Deduct	*-1.47*	
		For >100 To 200 LF, Deduct	*-2.06*	
		For >200 LF, Deduct	*-3.21*	
		For Up To 2 HR Fire Rated, Add	*7.91*	
10 26 13 00-0025	LF	Bullnose 3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-32)	17.74	3.52
		For >50 To 100 LF, Deduct	*-1.47*	
		For >100 To 200 LF, Deduct	*-2.06*	
		For >200 LF, Deduct	*-3.24*	
		For Up To 2 HR Fire Rated, Add	*8.30*	
10 26 13 00-0026		135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0021)*		
10 26 13 00-0027	LF	3" Wing, 135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-75)	19.89	3.52
		For >50 To 100 LF, Deduct	*-1.47*	
		For >100 To 200 LF, Deduct	*-2.06*	
		For >200 LF, Deduct	*-3.35*	
		For Up To 2 HR Fire Rated, Add	*9.81*	
10 26 13 00-0028		End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0021)*		
		Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.		
10 26 13 00-0029	LF	2" Wing, End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-888)	42.15	4.70
		For >50 To 100 LF, Deduct	*-1.96*	
		For >100 To 200 LF, Deduct	*-2.74*	
		For >200 LF, Deduct	*-5.24*	
		For Up To 2 HR Fire Rated, Add	*24.02*	
10 26 13 00-0030		Flexible Vinyl Corner Guards *(10 26 13 00-0001)*		
		Note: Includes adhesive for installation.		
10 26 13 00-0031		Surface Mounted, Flexible Vinyl Corner Guards *(10 26 13 00-0030)*		
10 26 13 00-0032		90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guards *(10 26 13 00-0031)*		
10 26 13 00-0033	LF	1-3/4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-9)	7.82	2.35
		For >50 To 100 LF, Deduct	*-0.98*	
		For >100 To 200 LF, Deduct	*-1.37*	
		For >200 LF, Deduct	*-1.96*	
		For Bolting To Concrete Or Masonry, Add	*1.76*	
10 26 13 00-0034	LF	2-1/2" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-3)	10.70	2.35
		For >50 To 100 LF, Deduct	*-0.98*	
		For >100 To 200 LF, Deduct	*-1.37*	
		For >200 LF, Deduct	*-2.10*	
		For Bolting To Concrete Or Masonry, Add	*2.19*	
10 26 13 00-0035	LF	4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-15)	11.93	2.35
		For >50 To 100 LF, Deduct	*-0.98*	
		For >100 To 200 LF, Deduct	*-1.37*	
		For >200 LF, Deduct	*-2.16*	
		For Bolting To Concrete Or Masonry, Add	*2.38*	
10 26 13 00-0036		Polycarbonate Corner Guards *(10 26 13)*		
10 26 13 00-0037		Surface Mounted, Polycarbonate Corner Guards *(10 26 13 00-0036)*		
10 26 13 00-0038		90 Degree Angle, Surface Mounted, Polycarbonate Corner Guards *(10 26 13 00-0037)*		

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0039		LF	3/4" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-16)	5.09	2.35
			For >50 To 100 LF, Deduct	*-0.98*	
			For >100 To 200 LF, Deduct	*-1.37*	
			For >200 LF, Deduct	*-1.82*	
10 26 13 00-0040		LF	1-1/8" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-17)	6.20	2.35
			For >50 To 100 LF, Deduct	*-0.98*	
			For >100 To 200 LF, Deduct	*-1.37*	
			For >200 LF, Deduct	*-1.87*	
10 26 13 00-0041		LF	2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-24)	7.22	2.35
			For >50 To 100 LF, Deduct	*-0.98*	
			For >100 To 200 LF, Deduct	*-1.37*	
			For >200 LF, Deduct	*-1.93*	
10 26 13 00-0042		LF	2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-18)	9.54	2.35
			For >50 To 100 LF, Deduct	*-0.98*	
			For >100 To 200 LF, Deduct	*-1.37*	
			For >200 LF, Deduct	*-2.04*	
10 26 13 00-0043		LF	Bullnose 2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-23)	8.17	2.35
			For >50 To 100 LF, Deduct	*-0.98*	
			For >100 To 200 LF, Deduct	*-1.37*	
			For >200 LF, Deduct	*-1.97*	
10 26 13 00-0044			135 Degree Angle, Surface Mounted, Polycarbonate Corner Guards *(10 26 13 00-0037)*		
10 26 13 00-0045		LF	2-1/2" Wing, 135 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-19)	9.54	2.35
			For >50 To 100 LF, Deduct	*-0.98*	
			For >100 To 200 LF, Deduct	*-1.37*	
			For >200 LF, Deduct	*-2.04*	
10 26 13 00-0046			Aluminum Corner Guards *(10 26 13)*		
10 26 13 00-0047			Surface Mounted, Aluminum Corner Guards *(10 26 13 00-0046)*		
10 26 13 00-0048			90 Degree Angle, Surface Mounted, Aluminum Corner Guards *(10 26 13 00-0047)*		
10 26 13 00-0049		LF	1" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-400)	7.82	2.35
			For >50 To 100 LF, Deduct	*-0.98*	
			For >100 To 200 LF, Deduct	*-1.37*	
			For >200 LF, Deduct	*-1.96*	
10 26 13 00-0050		LF	2" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-401)	9.60	2.35
			For >50 To 100 LF, Deduct	*-0.98*	
			For >100 To 200 LF, Deduct	*-1.37*	
			For >200 LF, Deduct	*-2.04*	
10 26 13 00-0051		LF	3" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-402)	10.78	2.35
			For >50 To 100 LF, Deduct	*-0.98*	
			For >100 To 200 LF, Deduct	*-1.37*	
			For >200 LF, Deduct	*-2.10*	
10 26 13 00-0052			135 Degree Angle, Surface Mounted, Aluminum Corner Guards *(10 26 13 00-0047)*		
10 26 13 00-0053		LF	1" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-403)	7.82	2.35
			For >50 To 100 LF, Deduct	*-0.98*	
			For >100 To 200 LF, Deduct	*-1.37*	
			For >200 LF, Deduct	*-1.96*	
10 26 13 00-0054		LF	2" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-404)	9.60	2.35
			For >50 To 100 LF, Deduct	*-0.98*	
			For >100 To 200 LF, Deduct	*-1.37*	
			For >200 LF, Deduct	*-2.04*	
10 26 13 00-0055		LF	3" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-405)	10.10	2.35
			For >50 To 100 LF, Deduct	*-0.98*	
			For >100 To 200 LF, Deduct	*-1.37*	
			For >200 LF, Deduct	*-2.07*	
10 26 13 00-0056			Steel Corner Guards *(10 26 13)*		
10 26 13 00-0057			Steel Angle Iron, Corner Guards *(10 26 13 00-0056)*		
10 26 13 00-0058			Surface Mounted, Steel Angle Iron, Corner Guards *(10 26 13 00-0057)*		
10 26 13 00-0059			90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guards *(10 26 13 00-0058)*		
10 26 13 00-0060		LF	1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	10.03	2.82
			For Galvanizing, Add	*1.87*	
			For >50 To 100 LF, Deduct	*-1.18*	
			For >100 To 200 LF, Deduct	*-1.65*	
			For >200 LF, Deduct	*-2.38*	
10 26 13 00-0061		LF	2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	12.87	3.05
			For Galvanizing, Add	*2.72*	
			For >50 To 100 LF, Deduct	*-1.27*	
			For >100 To 200 LF, Deduct	*-1.78*	
			For >200 LF, Deduct	*-2.68*	
10 26 13 00-0062		LF	2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	13.70	3.17
			For Galvanizing, Add	*2.95*	
			For >50 To 100 LF, Deduct	*-1.32*	
			For >100 To 200 LF, Deduct	*-1.85*	
			For >200 LF, Deduct	*-2.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0063	LF	3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	14.01	3.29
		For Galvanizing, Add	*2.98*	
		For >50 To 100 LF, Deduct	*-1.37*	
		For >100 To 200 LF, Deduct	*-1.92*	
		For >200 LF, Deduct	*-2.90*	
10 26 13 00-0064	LF	3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	17.60	3.40
		For Galvanizing, Add	*4.17*	
		For >50 To 100 LF, Deduct	*-1.42*	
		For >100 To 200 LF, Deduct	*-1.99*	
		For >200 LF, Deduct	*-3.15*	
10 26 13 00-0065	LF	4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	21.21	3.52
		For Galvanizing, Add	*5.37*	
		For >50 To 100 LF, Deduct	*-1.47*	
		For >100 To 200 LF, Deduct	*-2.06*	
		For >200 LF, Deduct	*-3.41*	
10 26 13 00-0066	LF	6" x 6" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	36.43	4.70
		For Galvanizing, Add	*10.01*	
		For >50 To 100 LF, Deduct	*-1.96*	
		For >100 To 200 LF, Deduct	*-2.74*	
		For >200 LF, Deduct	*-4.95*	

10 26 13 00-0067 Stainless Steel Corner Guards *(10 26 13)*

10 26 13 00-0068 Stainless Steel Corner Guards *(10 26 13 00-0067)*

Note: Includes 16 gauge, type 304 stainless steel corner guards with #4 satin finish.

10 26 13 00-0069 Surface Mounted, Stainless Steel Corner Guards *(10 26 13 00-0068)*

10 26 13 00-0070 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guards *(10 26 13 00-0069)*

10 26 13 00-0071	LF	1" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-520)	9.45	2.35
		For >50 To 100 LF, Deduct	*-0.98*	
		For >100 To 200 LF, Deduct	*-1.37*	
		For >200 LF, Deduct	*-2.04*	
10 26 13 00-0072	LF	2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-510)	12.74	2.35
		For >50 To 100 LF, Deduct	*-0.98*	
		For >100 To 200 LF, Deduct	*-1.37*	
		For >200 LF, Deduct	*-2.20*	
10 26 13 00-0073	LF	3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-500)	17.35	2.35
		For >50 To 100 LF, Deduct	*-0.98*	
		For >100 To 200 LF, Deduct	*-1.37*	
		For >200 LF, Deduct	*-2.43*	
10 26 13 00-0074	LF	Bullnose 3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-550)	17.35	2.35
		For >50 To 100 LF, Deduct	*-0.98*	
		For >100 To 200 LF, Deduct	*-1.37*	
		For >200 LF, Deduct	*-2.43*	

10 26 13 00-0075 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guards *(10 26 13 00-0069)*

10 26 13 00-0076	LF	3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-600)	17.35	2.35
		For >50 To 100 LF, Deduct	*-0.98*	
		For >100 To 200 LF, Deduct	*-1.37*	
		For >200 LF, Deduct	*-2.43*	
10 26 13 00-0077	LF	Bullnose 3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-650)	17.35	2.35
		For >50 To 100 LF, Deduct	*-0.98*	
		For >100 To 200 LF, Deduct	*-1.37*	
		For >200 LF, Deduct	*-2.43*	

10 26 13 00-0078 Stainless Steel Angle Iron, Corner Guards *(10 26 13 00-0067)*

10 26 13 00-0079 Surface Mounted, Stainless Steel Angle Iron, Corner Guards *(10 26 13 00-0078)*

10 26 13 00-0080 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guards *(10 26 13 00-0079)*

10 26 13 00-0081	LF	1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	17.02	2.82
		For >50 To 100 LF, Deduct	*-1.18*	
		For >100 To 200 LF, Deduct	*-1.65*	
		For >200 LF, Deduct	*-2.73*	
10 26 13 00-0082	LF	2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	28.44	3.05
		For >50 To 100 LF, Deduct	*-1.27*	
		For >100 To 200 LF, Deduct	*-1.78*	
		For >200 LF, Deduct	*-3.46*	
10 26 13 00-0083	LF	2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	39.85	3.17
		For >50 To 100 LF, Deduct	*-1.32*	
		For >100 To 200 LF, Deduct	*-1.85*	
		For >200 LF, Deduct	*-4.10*	
10 26 13 00-0084	LF	3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	37.19	3.29
		For >50 To 100 LF, Deduct	*-1.37*	
		For >100 To 200 LF, Deduct	*-1.92*	
		For >200 LF, Deduct	*-4.06*	
10 26 13 00-0085	LF	3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	53.27	3.40
		For >50 To 100 LF, Deduct	*-1.42*	
		For >100 To 200 LF, Deduct	*-1.99*	
		For >200 LF, Deduct	*-4.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0086	LF	4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	49.18	3.52
		For >50 To 100 LF, Deduct	*-1.47*	
		For >100 To 200 LF, Deduct	*-2.06*	
		For >200 LF, Deduct	*-4.81*	
10 26 13 00-0087		Rubber Corner Guards *(10 26 13)*		
		Note: Includes adhesive for installation.		
10 26 13 00-0088		Natural Rubber Corner Guards *(10 26 13 00-0087)*		
10 26 13 00-0089		Surface Mounted, Natural Rubber Corner Guards *(10 26 13 00-0088)*		
10 26 13 00-0090		90 Degree Angle, Surface Mounted, Natural Rubber Corner Guards *(10 26 13 00-0089)*		
10 26 13 00-0091	LF	4-3/4" Wing, 90 Degree Angle, Surface Mounted, Natural Rubber Corner Guard (Pawling CG-5)	37.80	2.35
		For >50 To 100 LF, Deduct	*-0.98*	
		For >100 To 200 LF, Deduct	*-1.37*	
		For >200 LF, Deduct	*-3.45*	
		For Bolting To Concrete Or Masonry, Add	*6.26*	
10 26 13 00-0092		Styrene-Butadiene Rubber (SBR) Corner Guards *(10 26 13 00-0087)*		
10 26 13 00-0093		Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards *(10 26 13 00-0092)*		
10 26 13 00-0094		90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards *(10 26 13 00-0093)*		
10 26 13 00-0095	LF	4-5/8" Wing, 90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guard (Pawling CG-2)	23.95	2.35
		For >50 To 100 LF, Deduct	*-0.98*	
		For >100 To 200 LF, Deduct	*-1.37*	
		For >200 LF, Deduct	*-2.76*	
		For Bolting To Concrete Or Masonry, Add	*4.18*	
10 26 13 00-0096		Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards *(10 26 13 00-0087)*		
10 26 13 00-0097		Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards *(10 26 13 00-0096)*		
10 26 13 00-0098		90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards *(10 26 13 00-0097)*		
10 26 13 00-0099	LF	4-5/8" Wing, 90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guard (Pawling CG-2E)	15.93	2.35
		For >50 To 100 LF, Deduct	*-0.98*	
		For >100 To 200 LF, Deduct	*-1.37*	
		For >200 LF, Deduct	*-2.36*	
		For Bolting To Concrete Or Masonry, Add	*2.98*	
10 26 16		**Bumper Guards** *(10 26)*		
10 26 16 13		**Bumper Rails** *(10 26 16)*		
10 26 16 13-0001		Crash Rails *(10 26 16 13)*		
		Note: Includes end caps.		
10 26 16 13-0002		Polycarbonate Crash Rails *(10 26 16 13-0001)*		
10 26 16 13-0003	LF	3" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-3)	9.30	3.13
		For >50 To 100 LF, Deduct	*-1.57*	
		For >100 To 200 LF, Deduct	*-2.19*	
		For >200 LF, Deduct	*-2.97*	
10 26 16 13-0004	LF	4" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-4)	10.01	3.13
		For >50 To 100 LF, Deduct	*-1.57*	
		For >100 To 200 LF, Deduct	*-2.19*	
		For >200 LF, Deduct	*-3.00*	
10 26 16 13-0005		Aluminum Crash Rails *(10 26 16 13-0001)*		
10 26 16 13-0006	LF	4" High, 3-1/4" Deep, Aluminum Crash Rail (Pawling CRA-100)	29.14	3.13
		For >50 To 100 LF, Deduct	*-1.57*	
		For >100 To 200 LF, Deduct	*-2.19*	
		For >200 LF, Deduct	*-3.96*	
10 26 16 13-0007		Stainless Steel Crash Rails *(10 26 16 13-0001)*		
10 26 16 13-0008	LF	4" High, 3-1/4" Deep, Stainless Steel Crash Rail (Pawling CRS-100)	52.02	3.13
		For >50 To 100 LF, Deduct	*-1.57*	
		For >100 To 200 LF, Deduct	*-2.19*	
		For >200 LF, Deduct	*-5.11*	
10 26 16 13-0009	LF	5-1/2" High, 1-1/2" Deep, Stainless Steel Crash Rail (Pawling CRS-200)	40.58	3.13
		For >50 To 100 LF, Deduct	*-1.57*	
		For >100 To 200 LF, Deduct	*-2.19*	
		For >200 LF, Deduct	*-4.53*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 13-0010		**Wall Guards** *(10 26 16 13)*		
10 26 16 13-0011		**Rigid Vinyl Wall Guards With Aluminum Retainers** *(10 26 16 13-0010)*		
		Note: Includes end caps.		
10 26 16 13-0012	LF	1-1/2" High, 1-1/2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-1)	9.82	2.74
		For >50 To 100 LF, Deduct	*-1.37*	
		For >100 To 200 LF, Deduct	*-1.92*	
		For >200 LF, Deduct	*-2.69*	
10 26 16 13-0013	LF	3" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-3)	11.45	3.13
		For >50 To 100 LF, Deduct	*-1.57*	
		For >100 To 200 LF, Deduct	*-2.19*	
		For >200 LF, Deduct	*-3.08*	
10 26 16 13-0014	LF	4" High, 3/4" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-4)	12.41	3.13
		For >50 To 100 LF, Deduct	*-1.57*	
		For >100 To 200 LF, Deduct	*-2.19*	
		For >200 LF, Deduct	*-3.12*	
10 26 16 13-0015	LF	5" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-5)	13.61	3.13
		For >50 To 100 LF, Deduct	*-1.57*	
		For >100 To 200 LF, Deduct	*-2.19*	
		For >200 LF, Deduct	*-3.18*	
10 26 16 13-0016	LF	6" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-6)	15.39	3.33
		For >50 To 100 LF, Deduct	*-1.66*	
		For >100 To 200 LF, Deduct	*-2.33*	
		For >200 LF, Deduct	*-3.43*	
10 26 16 13-0017	LF	7-3/4" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-8)	15.97	3.33
		For >50 To 100 LF, Deduct	*-1.66*	
		For >100 To 200 LF, Deduct	*-2.33*	
		For >200 LF, Deduct	*-3.46*	
10 26 16 13-0018	LF	8" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-7)	16.47	3.33
		For >50 To 100 LF, Deduct	*-1.66*	
		For >100 To 200 LF, Deduct	*-2.33*	
		For >200 LF, Deduct	*-3.48*	
10 26 16 13-0019	LF	12" High, 2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-12)	20.59	3.52
		For >50 To 100 LF, Deduct	*-1.76*	
		For >100 To 200 LF, Deduct	*-2.46*	
		For >200 LF, Deduct	*-3.85*	
10 26 16 13-0020		**Rubber Wall Guards** *(10 26 16 13-0010)*		
10 26 16 13-0021		**D-Shaped, Rubber Wall Guards** *(10 26 16 13-0020)*		
10 26 16 13-0022	LF	2" High, 1-3/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-2)	17.85	2.74
		For >50 To 100 LF, Deduct	*-1.37*	
		For >100 To 200 LF, Deduct	*-1.92*	
		For >200 LF, Deduct	*-3.09*	
10 26 16 13-0023	LF	3" High, 3" Deep, D-Shaped, Rubber Wall Guard (Pawling D-3)	25.14	3.13
		For >50 To 100 LF, Deduct	*-1.57*	
		For >100 To 200 LF, Deduct	*-2.19*	
		For >200 LF, Deduct	*-3.76*	
10 26 16 13-0024	LF	4" High, 4-1/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-4)	32.69	3.13
		For >50 To 100 LF, Deduct	*-1.57*	
		For >100 To 200 LF, Deduct	*-2.19*	
		For >200 LF, Deduct	*-4.14*	
10 26 16 13-0025	LF	6" High, 6" Deep, D-Shaped, Rubber Wall Guard (Pawling D-6)	44.72	3.13
		For >50 To 100 LF, Deduct	*-1.57*	
		For >100 To 200 LF, Deduct	*-2.19*	
		For >200 LF, Deduct	*-4.74*	
10 26 16 13-0026		**U-Shaped, Rubber Wall Guards** *(10 26 16 13-0020)*		
10 26 16 13-0027	LF	3-1/8" High, 3-7/8" Deep, U-Shaped, Rubber Wall Guard (Pawling U-4)	44.69	3.33
		For >50 To 100 LF, Deduct	*-1.66*	
		For >100 To 200 LF, Deduct	*-2.33*	
		For >200 LF, Deduct	*-4.89*	
10 26 16 13-0028	LF	4-1/2" High, 3-1/2" Deep, U-Shaped, Rubber Wall Guard (Pawling U-3)	50.12	3.33
		For >50 To 100 LF, Deduct	*-1.66*	
		For >100 To 200 LF, Deduct	*-2.33*	
		For >200 LF, Deduct	*-5.17*	
10 26 16 13-0029		**Rectangular, Rubber Wall Guards** *(10 26 16 13-0020)*		
10 26 16 13-0030	LF	8" High, 1-1/2" Deep, Rectangular, Rubber Wall Guard (Pawling E-1)	33.07	3.33
		For >50 To 100 LF, Deduct	*-1.66*	
		For >100 To 200 LF, Deduct	*-2.33*	
		For >200 LF, Deduct	*-4.31*	
10 26 16 13-0031	LF	9" High, 2" Deep, Rectangular, Rubber Wall Guard (Pawling M-2)	38.95	3.52
		For >50 To 100 LF, Deduct	*-1.76*	
		For >100 To 200 LF, Deduct	*-2.46*	
		For >200 LF, Deduct	*-4.76*	
10 26 16 13-0032		**Wing Type, Rubber Wall Guards** *(10 26 16 13-0020)*		

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 13-0033		LF	3-7/8" High, 2-1/2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-25)	25.49	2.74
			For >50 To 100 LF, Deduct	*-1.37*	
			For >100 To 200 LF, Deduct	*-1.92*	
			For >200 LF, Deduct	*-3.47*	
10 26 16 13-0034		LF	6" High, 2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-20)	53.16	3.13
			For >50 To 100 LF, Deduct	*-1.57*	
			For >100 To 200 LF, Deduct	*-2.19*	
			For >200 LF, Deduct	*-5.16*	
10 26 16 13-0035		LF	6" High, 3" Deep, Wing Type, Rubber Wall Guard (Pawling WT-30)	56.60	3.13
			For >50 To 100 LF, Deduct	*-1.57*	
			For >100 To 200 LF, Deduct	*-2.19*	
			For >200 LF, Deduct	*-5.33*	

10 26 16 13-0036 Accent Rails *(10 26 16 13)*

Note: Includes end caps.

10 26 16 13-0037 Oval, Rigid Vinyl Accent Rails With Aluminum Retainers *(10 26 16 13-0036)*

10 26 16 13-0038		LF	1-1/8" High, 1-1/16" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EB-25)	11.07	2.74
			For >50 To 100 LF, Deduct	*-1.37*	
			For >100 To 200 LF, Deduct	*-1.92*	
			For >200 LF, Deduct	*-2.75*	
10 26 16 13-0039		LF	2" High, 1-1/8" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EBR-30)	14.01	2.74
			For >50 To 100 LF, Deduct	*-1.37*	
			For >100 To 200 LF, Deduct	*-1.92*	
			For >200 LF, Deduct	*-2.90*	
10 26 16 13-0040		LF	2" High, 1-3/4" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling WG-22)	16.95	2.74
			For >50 To 100 LF, Deduct	*-1.37*	
			For >100 To 200 LF, Deduct	*-1.92*	
			For >200 LF, Deduct	*-3.04*	

10 26 16 16 Protective Corridor Handrails *(10 26 16)*

10 26 16 16-0001 Protective Corridor Handrails *(10 26 16 16)*

10 26 16 16-0002 Vinyl/Acrylic Protective Corridor Handrails With Aluminum Retainers *(10 26 16 16-0001)*

10 26 16 16-0003		LF	1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-6CN)	17.75	5.88
			For >50 To 100 LF, Deduct	*-2.94*	
			For >100 To 200 LF, Deduct	*-4.11*	
			For >200 LF, Deduct	*-5.59*	
10 26 16 16-0004		EA	End Cap For 1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn)	15.75	5.88
			For >25 To 50, Deduct	*-2.94*	
			For >50 To 100, Deduct	*-4.11*	
			For >100, Deduct	*-5.49*	
10 26 16 16-0005		LF	5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HRB-4C)	23.75	5.88
			For >50 To 100 LF, Deduct	*-2.94*	
			For >100 To 200 LF, Deduct	*-4.11*	
			For >200 LF, Deduct	*-5.89*	
10 26 16 16-0006		EA	End Cap For 5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn)	20.75	5.88
			For >25 To 50, Deduct	*-2.94*	
			For >50 To 100, Deduct	*-4.11*	
			For >100, Deduct	*-5.74*	
10 26 16 16-0007		LF	6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn HRB-10CN)	24.75	5.88
			For >50 To 100 LF, Deduct	*-2.94*	
			For >100 To 200 LF, Deduct	*-4.11*	
			For >200 LF, Deduct	*-5.94*	
10 26 16 16-0008		EA	End Cap For 6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn)	26.75	5.88
			For >25 To 50, Deduct	*-2.94*	
			For >50 To 100, Deduct	*-4.11*	
			For >100, Deduct	*-6.04*	
10 26 16 16-0009		LF	6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-8CN)	30.75	5.88
			For >50 To 100 LF, Deduct	*-2.94*	
			For >100 To 200 LF, Deduct	*-4.11*	
			For >200 LF, Deduct	*-6.24*	
10 26 16 16-0010		EA	End Cap For 6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn)	34.75	5.88
			For >25 To 50, Deduct	*-2.94*	
			For >50 To 100, Deduct	*-4.11*	
			For >100, Deduct	*-6.44*	

10 26 16 16-0011 Stainless Steel Protective Corridor Handrails *(10 26 16 16-0001)*

10 26 16 16-0012		LF	5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn P-RS)	40.75	5.88
			For >50 To 100 LF, Deduct	*-2.94*	
			For >100 To 200 LF, Deduct	*-4.11*	
			For >200 LF, Deduct	*-6.74*	
10 26 16 16-0013		EA	End Cap For 5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn)	41.75	5.88
			For >25 To 50, Deduct	*-2.94*	
			For >50 To 100, Deduct	*-4.11*	
			For >100, Deduct	*-6.79*	

10 26 23 Protective Wall Covering *(10 26)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 00-0001		**Impact Resistant Wall Protection** *(10 26 23)* Note: Includes standard trim.		
10 26 23 00-0002	SF	0.030" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-30)	6.00	1.96
10 26 23 00-0003	SF	0.040" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-40)	6.46	1.96
10 26 23 00-0004	SF	0.060" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-60)	7.70	1.96
10 26 23 00-0005		**Interior Polyvinyl Chloride (PVC) Soffit System** *(10 26 23)* Note: DecoShield Systems, Inc. Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit.		
10 26 23 00-0006		**"L" Design** *(10 26 23 00-0005)*		
10 26 23 00-0007		**L-Shield** *(10 26 23 00-0006)*		
10 26 23 00-0008	LF	2.38" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Pipe	9.39	1.96
10 26 23 00-0009	LF	3" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" And 1-1/2" Pipe	11.09	2.74
10 26 23 00-0010	LF	3.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 2" Pipe	14.52	3.52
10 26 23 00-0011	LF	5.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2-1/2" Shield Size For 2-1/2" Pipe	19.70	4.31
10 26 23 00-0012		**"Combo" Hanger** *(10 26 23 00-0006)*		
10 26 23 00-0013	EA	Combination "Combo" Hanger, L-Support, For 3/4" Pipe	11.17	3.92
10 26 23 00-0014	EA	Combination "Combo" Hanger, L-Support, For 1" Pipe	13.00	4.70
10 26 23 00-0015	EA	Combination "Combo" Hanger, L-Support, For 1-1/4" Pipe	15.03	5.49
10 26 23 00-0016	EA	Combination "Combo" Hanger, L-Support, For 1-1/2" Pipe	16.81	6.26
10 26 23 00-0017	EA	Combination "Combo" Hanger, L-Support, For 2" Pipe	18.84	7.05
10 26 23 00-0018		**Snap-2 Pipe Hanger** *(10 26 23 00-0006)*		
10 26 23 00-0019	EA	Snap-2 Pipe Hanger, L-Support, For 3/4" Pipe	9.56	3.92
10 26 23 00-0020	EA	Snap-2 Pipe Hanger, L-Support, For 1" Pipe	11.60	4.70
10 26 23 00-0021	EA	Snap-2 Pipe Hanger, L-Support, For 1-1/4" Pipe	13.50	5.49
10 26 23 00-0022	EA	Snap-2 Pipe Hanger, L-Support, For 1-1/2" Pipe	15.68	6.26
10 26 23 00-0023	EA	Snap-2 Pipe Hanger, L-Support, For 2" Pipe	17.90	7.05
10 26 23 00-0024		**Coupling** *(10 26 23 00-0006)*		
10 26 23 00-0025	EA	Coupling, L-Shield, 1" Shield Size	5.99	1.96
10 26 23 00-0026	EA	Coupling, L-Shield, 1-1/4" Shield Size	8.63	2.74
10 26 23 00-0027	EA	Coupling, L-Shield, 2" Shield Size	12.19	3.52
10 26 23 00-0028	EA	Coupling, L-Shield, 2-1/2" Shield Size	15.23	4.31
10 26 23 00-0029		**Coupling, Reducer** *(10 26 23 00-0006)*		
10 26 23 00-0030	EA	Coupling, Reducing, L-Shield, 1-1/4" x 1" Shield Size	15.38	2.35
10 26 23 00-0031	EA	Coupling, Reducing, L-Shield, 2" x 1" Shield Size	18.83	2.74
10 26 23 00-0032	EA	Coupling, Reducing, L-Shield, 2" x 1-1/4" Shield Size	22.27	3.13
10 26 23 00-0033	EA	Coupling, Reducing, L-Shield, 2-1/2" x 2" Shield Size	83.10	3.92
10 26 23 00-0034		**Shield Clips** *(10 26 23 00-0006)*		
10 26 23 00-0035	EA	Shield Clips, L-Support, 1" Shield Size	3.62	1.18
10 26 23 00-0036	EA	Shield Clips, L-Support, 1-1/4" Shield Size	5.52	1.96
10 26 23 00-0037	EA	Shield Clips, L-Support, 2" Shield Size	7.36	2.74
10 26 23 00-0038	EA	Shield Clips, L-Support, 2-1/2" Shield Size	8.52	3.52
10 26 23 00-0039		**Wall Flange** *(10 26 23 00-0006)*		
10 26 23 00-0040	EA	Wall Flange, L-Shield, 1" Shield Size	5.86	1.96
10 26 23 00-0041	EA	Wall Flange, L-Shield, 1-1/4" Shield Size	8.36	2.74
10 26 23 00-0042	EA	Wall Flange, L-Shield, 2" Shield Size	11.92	3.52
10 26 23 00-0043	EA	Wall Flange, L-Shield, 2-1/2" Shield Size	44.42	4.31
10 26 23 00-0044		**End Cap** *(10 26 23 00-0006)*		
10 26 23 00-0045	EA	End Cap, L-Shield, 1" Shield Size	5.62	1.18
10 26 23 00-0046	EA	End Cap, L-Shield, 1-1/4" Shield Size	7.66	1.96
10 26 23 00-0047	EA	End Cap, L-Shield, 2" Shield Size	10.63	2.74
10 26 23 00-0048	EA	End Cap, L-Shield, 2-1/2" Shield Size	44.82	3.52
10 26 23 00-0049		**Inside/Outside Corner** *(10 26 23 00-0006)*		
10 26 23 00-0050	EA	Inside/Outside Corner, L-Shield, 1" Shield Size	33.39	3.92
10 26 23 00-0051	EA	Inside/Outside Corner, L-Shield, 1-1/4" Shield Size	36.22	4.70
10 26 23 00-0052	EA	Inside/Outside Corner, L-Shield, 2" Shield Size	43.84	5.88
10 26 23 00-0053	EA	Inside/Outside Corner, L-Shield, 2-1/2" Shield Size	75.15	7.05
10 26 23 00-0054		**Joiner** *(10 26 23 00-0006)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 00-0055	LF	Joiner, L-Shield	7.09	1.18
10 26 23 00-0056		**"U" Design** *(10 26 23 00-0005)*		
10 26 23 00-0057		**U-Shield** *(10 26 23 00-0056)*		
10 26 23 00-0058	LF	2.25" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Pipe	11.13	1.96
10 26 23 00-0059	LF	2.875" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" Pipe	14.03	2.74
10 26 23 00-0060	LF	3.68" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 1-1/2" And 2" Pipe	17.93	2.74
10 26 23 00-0061		**"Combo" Hanger** *(10 26 23 00-0056)*		
10 26 23 00-0062	EA	Combination "Combo" Hanger, U-Support For 3/4" Pipe	9.90	3.92
10 26 23 00-0063	EA	Combination "Combo" Hanger, U-Support For 1" Pipe	11.80	4.70
10 26 23 00-0064	EA	Combination "Combo" Hanger, U-Support For 1-1/4" Pipe	13.63	5.49
10 26 23 00-0065	EA	Combination "Combo" Hanger, U-Support For 1-1/2" Pipe	16.61	6.26
10 26 23 00-0066	EA	Combination "Combo" Hanger, U-Support For 2" Pipe	18.77	7.05
10 26 23 00-0067		**Snap-2 Pipe Hanger** *(10 26 23 00-0056)*		
10 26 23 00-0068	EA	Snap-2 Pipe Hanger, U-Support, For 3/4" Pipe	9.43	3.92
10 26 23 00-0069	EA	Snap-2 Pipe Hanger, U-Support, For 1" Pipe	11.47	4.70
10 26 23 00-0070	EA	Snap-2 Pipe Hanger, U-Support, For 1-1/4" Pipe	13.83	5.49
10 26 23 00-0071	EA	Snap-2 Pipe Hanger, U-Support, For 1-1/2" Pipe	15.54	6.26
10 26 23 00-0072	EA	Snap-2 Pipe Hanger, U-Support, For 2" Pipe	17.84	7.05
10 26 23 00-0073		**Coupling** *(10 26 23 00-0056)*		
10 26 23 00-0074	EA	Coupling, U-Shield, 1" Shield Size	6.92	1.96
10 26 23 00-0075	EA	Coupling, U-Shield, 1-1/4" Shield Size	8.83	2.74
10 26 23 00-0076	EA	Coupling, U-Shield, 2" Shield Size	10.85	3.52
10 26 23 00-0077		**Coupling, Reducer** *(10 26 23 00-0056)*		
10 26 23 00-0078	EA	Reducing Coupling, U-Shield, 1-1/4" x 1" Shield Size	18.04	2.35
10 26 23 00-0079	EA	Reducing Coupling, U-Shield, 2" x 1" Shield Size	21.50	2.74
10 26 23 00-0080	EA	Reducing Coupling, U-Shield, 2" x 1-1/4" Shield Size	22.94	3.13
10 26 23 00-0081		**Shield Clips** *(10 26 23 00-0056)*		
10 26 23 00-0082	EA	Shield Clips, U-Support, 1" Shield Size	3.35	1.18
10 26 23 00-0083	EA	Shield Clips, U-Support, 1-1/4" Shield Size	5.05	1.96
10 26 23 00-0084	EA	Shield Clips, U-Support, 2" Shield Size	6.76	2.74
10 26 23 00-0085		**Wall Flange** *(10 26 23 00-0056)*		
10 26 23 00-0086	EA	Wall Flange, U-Shield, 1" Shield Size	6.72	1.96
10 26 23 00-0087	EA	Wall Flange, U-Shield, 1-1/4" Shield Size	8.76	2.74
10 26 23 00-0088	EA	Wall Flange, U-Shield, 2" Shield Size	10.79	3.52
10 26 23 00-0089		**End Cap** *(10 26 23 00-0056)*		
10 26 23 00-0090	EA	End Cap, U-Shield, 1" Shield Size	5.95	1.18
10 26 23 00-0091	EA	End Cap, U-Shield, 1-1/4" Shield Size	8.19	1.96
10 26 23 00-0092	EA	End Cap, U-Shield, 2" Shield Size	10.36	2.74
10 26 23 00-0093		**Inside/Outside Corner** *(10 26 23 00-0056)*		
10 26 23 00-0094	EA	Inside/Outside Corner, U-Shield, 1" Shield Size	41.46	3.92
10 26 23 00-0095	EA	Inside/Outside Corner, U-Shield, 1-1/4" Shield Size	46.30	4.70
10 26 23 00-0096	EA	Inside/Outside Corner, U-Shield, 2" Shield Size	54.92	5.88
10 26 23 00-0097		**Elbow** *(10 26 23 00-0056)*		
10 26 23 00-0098	EA	Elbow, U-Shield, 1" Shield Size	40.73	3.92
10 26 23 00-0099	EA	Elbow, U-Shield, 1-1/4" Shield Size	44.96	4.70
10 26 23 00-0100	EA	Elbow, U-Shield, 2" Shield Size	53.65	5.88
10 26 23 00-0101		**Tee** *(10 26 23 00-0056)*		
10 26 23 00-0102	EA	Tee, U-Shield, 1" x 1" x 1" Shield Size	51.99	5.88
10 26 23 00-0103	EA	Tee, U-Shield, 1-1/4" x 1-1/4" x 1-1/4" Shield Size	58.07	7.05
10 26 23 00-0104	EA	Tee, U-Shield, 2" x 2" x 2" Shield Size	68.02	8.62
10 26 23 00-0105	EA	Tee, U-Shield, 1-1/4" x 1-1/4" x 1" Shield Size	68.03	6.66
10 26 23 00-0106	EA	Tee, U-Shield, 2" x 2" x 1-1/4" Shield Size	73.90	8.23
10 26 23 00-0107		**Cross** *(10 26 23 00-0056)*		
10 26 23 00-0108	EA	Cross, U-Shield, 1" Shield Size	92.74	7.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 00-0109	EA	Cross, U-Shield, 1-1/4" Shield Size	104.21	9.40
10 26 23 00-0110	EA	Cross, U-Shield, 2" Shield Size	126.79	11.75
10 26 23 00-0111	EA	Cross, U-Shield, 1-1/4" x 1" Shield Size	126.14	8.62
10 26 23 00-0112	EA	Cross, U-Shield, 2" x 1-1/4" Shield Size	139.25	10.57
10 26 23 00-0113		Transition Fittings (L to U Or U to L) *(10 26 23 00-0005)*		
10 26 23 00-0114		Coupling Transition *(10 26 23 00-0113)*		
10 26 23 00-0115	EA	Transition Coupling, 1" x 1", LxU or UxL	16.06	1.96
10 26 23 00-0116	EA	Transition Coupling, 1-1/4" x 1-1/4", LxU or UxL	18.43	2.74
10 26 23 00-0117	EA	Transition Coupling, 2" x 2", LxU or UxL	23.00	3.52
10 26 23 00-0118	EA	Transition Coupling, 1" x 1-1/4", LxU or UxL	18.25	2.35
10 26 23 00-0119	EA	Transition Coupling, 1-1/4" x 2", LxU or UxL	22.81	3.13
10 26 23 00-0120	EA	Transition Coupling, 2" x 2-1/2", LxU or UxL	86.90	3.92
10 26 23 00-0121		Elbow Transition *(10 26 23 00-0113)*		
10 26 23 00-0122	EA	Transition Elbow, 1" x 1" (UxL)	54.14	3.92
10 26 23 00-0123	EA	Transition Elbow, 1-1/4" x 1-1/4" (UxL)	58.91	4.70
10 26 23 00-0124	EA	Transition Elbow, 2" x 2" (UxL)	69.27	5.88
10 26 23 00-0125	EA	Transition Elbow, 1" x 1-1/4" (UxL)	83.35	4.31
10 26 23 00-0126	EA	Transition Elbow, 1-1/4" x 1" (UxL)	59.60	4.31
10 26 23 00-0127	EA	Transition Elbow, 1-1/4" x 2" (UxL)	88.49	5.49
10 26 23 00-0128	EA	Transition Elbow, 2" x 1-1/4" (UxL)	69.21	5.49
10 26 23 00-0129	EA	Transition Elbow, 2" x 2-1/2" (UxL)	106.22	6.26
10 26 23 00-0130		Tee Transition *(10 26 23 00-0113)*		
10 26 23 00-0131	EA	Transition Tee, 1" x 1" x 1" (LxLxU)	62.73	5.88
10 26 23 00-0132	EA	Transition Tee, 1-1/4" x 1-1/4" x 1-1/4" (LxLxU)	72.68	7.05
10 26 23 00-0133	EA	Transition Tee, 2" x 2" x 2" (LxLxU)	84.77	8.62
10 26 23 00-0134	EA	Transition Tee, 1-1/4" x 1-1/4" x 1" (LxLxU)	66.50	6.66
10 26 23 00-0135	EA	Transition Tee, 1-1/4" x 1-1/4" x 2" (LxLxU)	102.96	7.44
10 26 23 00-0136	EA	Transition Tee, 2" x 2" x 1-1/4" (LxLxU)	74.50	8.23
10 26 23 00-0137	EA	Transition Tee, 2-1/2" x 2-1/2" x 2" (LxLxU)	100.98	9.80
10 26 23 00-0138		Fittings (L Or U) *(10 26 23 00-0005)*		
10 26 23 00-0139		Hugger Hangers For Steel Pipe *(10 26 23 00-0138)*		
10 26 23 00-0140	EA	Hugger Hanger, For 1/2" Steel Pipe	7.66	3.13
10 26 23 00-0141	EA	Hugger Hanger, For 3/4" Steel Pipe	9.56	3.92
10 26 23 00-0142	EA	Hugger Hanger, For 1" Steel Pipe	11.27	4.70
10 26 23 00-0143	EA	Hugger Hanger, For 1-1/4" Steel Pipe	13.03	5.49
10 26 23 00-0144	EA	Hugger Hanger, For 1-1/2" Steel Pipe	14.74	6.26
10 26 23 00-0145	EA	Hugger Hanger, For 2" Steel Pipe	16.57	6.26
10 26 23 00-0146	EA	Hugger Hanger, For 2-1/2" Steel Pipe	18.27	7.83
10 26 23 00-0147	EA	Hugger Hanger, For 3" Steel Pipe	22.31	8.62
10 26 23 00-0148		Hugger Hangers For Copper Pipe *(10 26 23 00-0138)*		
10 26 23 00-0149	EA	Hugger Hanger, For 1/2" Copper Pipe	7.73	3.13
10 26 23 00-0150	EA	Hugger Hanger, For 3/4" Copper Pipe	9.63	3.92
10 26 23 00-0151	EA	Hugger Hanger, For 1" Copper Pipe	11.34	4.70
10 26 23 00-0152	EA	Hugger Hanger, For 1-1/4" Copper Pipe	13.10	5.49
10 26 23 00-0153	EA	Hugger Hanger, For 1-1/2" Copper Pipe	14.81	6.26
10 26 23 00-0154	EA	Hugger Hanger, For 2" Copper Pipe	16.70	7.05
10 26 23 00-0155	EA	Hugger Hanger, For 2-1/2" Copper Pipe	18.41	7.83
10 26 23 00-0156	EA	Hugger Hanger, For 3" Copper Pipe	22.51	8.62
10 26 23 00-0157		Shield Extension (L Or U) *(10 26 23 00-0138)*		
10 26 23 00-0158	LF	Shield Extension	8.49	1.18
10 26 23 00-0159		Interior Steel Soffit System *(10 26 23)*		
		Note: Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit. Includes factory painted finish and field touch-up.		
10 26 23 00-0160	SF	24 Gauge Steel, U-Shield (JG Innovations Soffi-Steel)	16.74	3.52
		For 22 Gauge Steel, Add	*0.97*	
		For 20 Gauge Steel, Add	*2.07*	
		For 18 Gauge Steel, Add	*4.07*	
		For 16 Gauge Steel, Add	*6.25*	
		For Stainless Steel, Add	*2.42*	
10 26 23 00-0161	EA	U-Shield Wall Flange (JG Innovations Soffi-Steel)	28.42	9.80
		For Stainless Steel, Add	*2.21*	
10 26 23 00-0162	EA	U-Shield Corner (JG Innovations Soffi-Steel)	65.51	11.75
		For Stainless Steel, Add	*10.31*	
10 26 23 00-0163	EA	U-Shield End Cap (JG Innovations Soffi-Steel)	21.17	5.88
		For Stainless Steel, Add	*2.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 00-0164	EA	U-Shield Clip (JG Innovations Soffi-Steel)	5.08	2.35
		For Stainless Steel, Add	*0.10*	
10 26 23 00-0165	SF	24 Gauge Steel, L-Shield (JG Innovations Soffi-Steel)	18.81	3.52
		For 22 Gauge Steel, Add	*0.88*	
		For 20 Gauge Steel, Add	*1.88*	
		For 18 Gauge Steel, Add	*3.65*	
		For 16 Gauge Steel, Add	*6.12*	
		For Stainless Steel, Add	*2.94*	
10 26 23 00-0166	EA	L-Shield Wall Flange (JG Innovations Soffi-Steel)	28.42	9.80
		For Stainless Steel, Add	*2.21*	
10 26 23 00-0167	EA	L-Shield Corner (JG Innovations Soffi-Steel)	65.51	11.75
		For Stainless Steel, Add	*10.31*	
10 26 23 00-0168	EA	L-Shield End Cap (JG Innovations Soffi-Steel)	18.04	4.31
		For Stainless Steel, Add	*2.36*	
10 26 23 00-0169	EA	L-Shield Clip (JG Innovations Soffi-Steel)	5.08	2.35
		For Stainless Steel, Add	*0.10*	

10 28 Toilet, Bath, And Laundry Accessories *(10 20)*

10 28 13 Toilet Accessories *(10 28)*

10 28 13 13 Commercial Toilet Accessories *(10 28 13)*

10 28 13 13-0001 Toilet Accessories *(10 28 13 13)*

10 28 13 13-0002 Dispensers *(10 28 13 13-0001)*

10 28 13 13-0003 Paper Towel Dispensers *(10 28 13 13-0002)*

10 28 13 13-0004 Stainless Steel Paper Towel Dispensers *(10 28 13 13-0003)*

10 28 13 13-0005	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-262)	76.83	17.62
10 28 13 13-0006	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2620)	82.51	17.62
10 28 13 13-0007	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2621)	82.74	17.62
10 28 13 13-0008	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-26212)	88.45	17.62
10 28 13 13-0009	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-263)	129.31	17.62
10 28 13 13-0010	EA	Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-359)	137.62	17.62
10 28 13 13-0011	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Contura B-4262)	142.07	17.62
10 28 13 13-0012	EA	Countertop Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick TrimLine B-526)	202.94	7.83
10 28 13 13-0013	EA	Concealed Cabinet, Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-318)	255.10	17.62
10 28 13 13-0014	EA	Touch Free, Surface Mounted, Stainless Steel Roll Paper Towel Dispenser (Bobrick B-2860)	307.54	17.62
10 28 13 13-0015	EA	Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Contura B-4362)	362.89	17.62
10 28 13 13-0016	EA	Semi-Recessed Mounted, Stainless Steel Roll Paper Towel Dispenser (Bobrick Classic B-38616)	827.64	17.62
10 28 13 13-0017	EA	Recessed Automated Touchless Towel Dispenser, Stainless (Georgia-Pacific enMotion® 59466)	293.30	17.62
10 28 13 13-0018	EA	Stainless Steel Mounting Bracket For Wall Mounting enMotion Recessed Automated Touchless Towel Dispenser (Georgia-Pacific enMotion® 59476)	82.43	9.79

10 28 13 13-0019 Plastic Paper Towel Dispensers *(10 28 13 13-0003)*

10 28 13 13-0020	EA	Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Folded Paper Towel Dispenser (Bobrick Matrix B-5262)	58.40	17.62
10 28 13 13-0021	EA	Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick Matrix B-52860)	117.49	17.62
10 28 13 13-0022	EA	Surface Mounted, Translucent Cover, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick B-72860)	133.09	17.62
10 28 13 13-0023	EA	Surface Mounted, Automated Touchless Towel Dispenser, Translucent Plastic (Georgia-Pacific enMotion® 59462)	128.64	17.62

10 28 13 13-0024 Aluminum Paper Towel Dispensers *(10 28 13 13-0003)*

10 28 13 13-0025	EA	Surface Mounted, Heavy-Duty Aluminum Casting Roll Paper Towel Dispenser (Bobrick B-253)	63.36	17.62

10 28 13 13-0026 Toilet Tissue Dispensers *(10 28 13 13-0002)*

10 28 13 13-0027 Plastic Toilet Tissue Dispensers *(10 28 13 13-0026)*

10 28 13 13-0028	EA	Two Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Bobrick B-5288)	58.40	17.62
10 28 13 13-0029	EA	Single Jumbo Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Bobrick B-52891)	61.47	17.62
10 28 13 13-0030	EA	Two Jumbo Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Georgia Pacific 58250)	88.66	17.62
10 28 13 13-0031	EA	Vertical Double Roll, Surface Mounted, Translucent Plastic Steel Coreless Toilet Tissue Dispenser (Georgia-Pacific Compact® 56760)	59.57	17.62
10 28 13 13-0032	EA	Side By Side Double Roll, Surface Mounted, Translucent Plastic Toilet Tissue Dispenser (Georgia-Pacific Compact® 56784)	66.04	17.62

10 28 13 13-0033 Cast Aluminum Toilet Tissue Dispensers *(10 28 13 13-0026)*

10 28 13 13-0034	EA	Single Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2730)	52.96	17.62
10 28 13 13-0035	EA	Single Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-273)	53.19	17.62
10 28 13 13-0036	EA	Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2740)	57.92	17.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0037	EA	Two Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-274)	61.23	17.62
10 28 13 13-0038	EA	Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-27460)	79.20	17.62
10 28 13 13-0039		**Stainless Steel Toilet Tissue Dispensers** *(10 28 13 13-0026)*		
10 28 13 13-0040	EA	Single Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-264)	45.39	17.62
10 28 13 13-0041	EA	Single Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-663)	72.58	17.62
10 28 13 13-0042	EA	Single Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2890)	78.01	17.62
10 28 13 13-0043	EA	Single Fold/Double Fold, Surface Mounted, Stainless Steel Toilet Tissue Cabinet (Bobrick B-272)	84.40	17.62
10 28 13 13-0044	EA	Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-265)	53.19	17.62
10 28 13 13-0045	EA	Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-2888)	90.78	17.62
10 28 13 13-0046	EA	Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-3888)	128.64	17.62
10 28 13 13-0047	EA	Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4288)	135.93	17.62
10 28 13 13-0048	EA	Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4388)	173.55	17.62
10 28 13 13-0049	EA	Two Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2892)	188.64	17.62
10 28 13 13-0050	EA	Four Roll, Partition Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-386) Note: Mounts centered through toilet partitions.	272.86	17.62
10 28 13 13-0051	EA	Stainless Steel Shelf And Double Roll Toilet Tissue Dispenser (Bobrick B-2840)	101.65	17.62
10 28 13 13-0052	EA	Vertical Double Roll, Surface Mounted, Stainless Steel Coreless Toilet Tissue Dispenser (Georgia-Pacific Compact® 56782)	94.90	17.62
10 28 13 13-0053	EA	Side By Side Double Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Georgia-Pacific Compact® 56796)	100.62	17.62
10 28 13 13-0054		**Soap Dispensers** *(10 28 13 13-0002)*		
10 28 13 13-0055	EA	20 Fluid Ounce, 4" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-8221)	69.98	17.62
		For 34 Fluid Ounce (B-822), Add	*4.01*	
10 28 13 13-0056	EA	20 Fluid Ounce, 6" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-82216)	75.65	17.62
		For 34 Fluid Ounce (B-822), Add	*4.01*	
10 28 13 13-0057	EA	24 Fluid Ounce, Surface Mounted, Translucent Polyethylene Soap Dispenser (Bobrick B-156)	46.34	17.62
10 28 13 13-0058	EA	24 Fluid Ounce, Surface Mounted, Chrome-Plated, Translucent Polyethylene Soap Dispenser (Bobrick B-155)	49.89	17.62
10 28 13 13-0059	EA	32 Ounce. Surface Mounted, Stainless Steel Powdered Soap Dispenser (Bobrick B-132)	90.31	17.62
10 28 13 13-0060	EA	40 Fluid Ounce, Concealed Surface Mounted, Translucent Soap Dispenser (Bobrick B-40)	61.74	17.62
10 28 13 13-0061	EA	40 Fluid Ounce, Surface Mounted, Translucent Plastic Soap Dispenser (Bobrick Classic B-42)	64.11	17.62
10 28 13 13-0062	EA	40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Classic B-2111/2112)	69.98	17.62
10 28 13 13-0063	EA	40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4112)	88.89	17.62
10 28 13 13-0064	EA	45 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick B-306)	149.91	17.62
10 28 13 13-0065	EA	50 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4063)	244.70	17.62
10 28 13 13-0066	EA	80 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser And Shelf (Bobrick Classic B-2014)	186.08	17.62
10 28 13 13-0067	EA	800 ml, Lavatory Mounted, Chrome Plated Automatic Soap Dispenser (Bobrick B-826.18) Note: Includes start-up kit.	179.70	17.62
10 28 13 13-0068		**Facial Tissue Dispensers** *(10 28 13 13-0002)*		
10 28 13 13-0069	EA	Surface Mounted, Stainless Steel Facial Tissue Dispenser (Bobrick B-8397)	83.69	17.62
10 28 13 13-0070	EA	Recessed Mounted, Stainless Steel Facial Tissue Dispenser (Bobrick B-355)	79.47	17.62
10 28 13 13-0071		**Sanitary Toilet Seat Cover Dispensers** *(10 28 13 13-0002)*		
10 28 13 13-0072	EA	Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Sanitary Seat-Cover Dispenser (Bobrick Matrix B-5221)	46.81	17.62
10 28 13 13-0073	EA	Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-221)	63.60	17.62
10 28 13 13-0074	EA	Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Contura B-4221)	112.53	17.62
10 28 13 13-0075	EA	Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-301)	112.57	17.62
10 28 13 13-0076	EA	Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick TrimLine B-3013)	217.28	17.62
10 28 13 13-0077		**Sanitary Toilet Seat Cover/Toilet Tissue Dispensers** *(10 28 13 13-0002)*		
10 28 13 13-0078	EA	Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick Classic B-3479)	392.25	17.62
10 28 13 13-0079	EA	Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-34745)	303.22	17.62
10 28 13 13-0080		**Sanitary Napkin/Tampon Dispensers** *(10 28 13 13-0002)*		
10 28 13 13-0081	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick TrimLine B-2800)	500.66	17.62
10 28 13 13-0082	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick Classic B-282 25)	394.53	17.62
10 28 13 13-0083	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick Classic B-352 25)	400.00	17.62
10 28 13 13-0084	EA	Recessed Mounted, Single Coin Operation, Stainless Steel, Sanitary Napkin/Tampon Vendor (Bobrick TrimLine B-3500 25)	461.93	17.62
10 28 13 13-0085		**Toilet Compartment Combination Dispenser/Disposals** *(10 28 13 13-0002)*		
10 28 13 13-0086	EA	Side Wall Recessed Mounted, Stainless Steel Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3094)	338.65	39.15
10 28 13 13-0087	EA	Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-3474)	366.68	39.15
10 28 13 13-0088	EA	Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-35745)	394.16	39.15
10 28 13 13-0089	EA	Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3574)	428.14	39.15
10 28 13 13-0090	EA	Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-347)	440.43	39.15

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10 28 13 13-0091	EA	Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-357)	511.11	39.15
10 28 13 13-0092	EA	Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3579)	491.79	39.15
10 28 13 13-0093		Receptacles *(10 28 13 13-0001)*		
10 28 13 13-0094		Wall Mounted Waste Receptacles *(10 28 13 13-0093)*		
10 28 13 13-0095	EA	1-1/2 Gallon, Surface Mounted, Stainless Steel Facial Tissue Waste Receptacle (Bobrick B-261)	110.40	17.62
10 28 13 13-0096	EA	6.4 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-279)	117.96	17.62
10 28 13 13-0097	EA	12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Classic B-3644)	274.02	39.15
10 28 13 13-0098	EA	12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Contura B-43644)	392.68	39.15
10 28 13 13-0099	EA	20 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-275)	315.39	39.15
10 28 13 13-0100		Floor-Standing/Counter Waste Receptacles *(10 28 13 13-0093)*		
10 28 13 13-0101	EA	5-7/8" Inside Diameter, 3-7/8" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-532)	103.11	17.62
10 28 13 13-0102	EA	5-7/16" Inside Diameter, 5" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-529)	121.51	17.62
10 28 13 13-0103	EA	13 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2260)	228.00	7.83
10 28 13 13-0104	EA	13 Gallon, Swing-Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2250)	345.00	7.83
10 28 13 13-0105	EA	18 Gallon, Open Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2300)	348.61	7.83
10 28 13 13-0106	EA	21 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2280)	310.73	7.83
10 28 13 13-0107		Combination Paper Towel Dispenser/ Waste Receptacle *(10 28 13 13-0093)*		
10 28 13 13-0108	EA	2 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Classic B-369)	218.95	39.15
10 28 13 13-0109	EA	2.6 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Contura B-4369)	365.03	39.15
10 28 13 13-0110	EA	12 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Classic B-3944)	362.19	39.15
10 28 13 13-0111	EA	12 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Classic B-3900)	474.23	39.15
10 28 13 13-0112	EA	12 Gallon, Semi-Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Classic B-3909)	649.63	39.15
10 28 13 13-0113	EA	12 Gallon, Recessed Mounted, Stainless Steel Combination Roll Towel Dispenser / Waste Receptacle (Bobrick Classic B-3961)	612.52	39.15
10 28 13 13-0114	EA	12 Gallon, Surface Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Classic B-3949)	497.16	39.15
10 28 13 13-0115	EA	12 Gallon, Surface Mounted, Stainless Steel Combination Roll Towel Dispenser / Waste Receptacle (Bobrick Classic B-39619)	764.98	39.15
10 28 13 13-0116	EA	16 Gallon, Semi-Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Contura B-43944)	678.50	43.07
10 28 13 13-0117	EA	18 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Classic B-3947)	472.14	43.07
10 28 13 13-0118		Sanitary Napkin/Tampon Receptacles *(10 28 13 13-0093)*		
10 28 13 13-0119	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Contura B-270)	64.92	19.57
10 28 13 13-0120	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-254)	127.32	19.57
10 28 13 13-0121	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-353)	138.90	19.57
10 28 13 13-0122	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-35303)	333.68	19.57
10 28 13 13-0123	EA	Partition Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-354)	174.36	19.57
10 28 13 13-0124	EA	Partition Mounted, Stainless Steel Sanitary Napkin Disposal (Bobrick Contura B-4354)	301.29	19.57
10 28 13 13-0125		Grab Bars *(10 28 13 13-0001)*		
10 28 13 13-0126		1-1/4" Diameter, Stainless Steel Grab Bars *(10 28 13 13-0125)*		
		Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0127	EA	12" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x12)	75.39	15.66
		For Peened Grip, Add	*4.32*	
10 28 13 13-0128	EA	18" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x18)	75.39	15.66
		For Peened Grip, Add	*4.32*	
10 28 13 13-0129	EA	24" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x24)	75.63	15.66
		For Peened Grip, Add	*4.34*	
10 28 13 13-0130	EA	30" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x30)	77.29	15.66
		For Peened Grip, Add	*4.49*	
10 28 13 13-0131	EA	36" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x36)	77.52	15.66
		For Peened Grip, Add	*4.51*	
10 28 13 13-0132	EA	42" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x42)	79.89	15.66
		For Peened Grip, Add	*4.72*	
10 28 13 13-0133	EA	48" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x48)	82.72	15.66
		For Peened Grip, Add	*4.98*	
10 28 13 13-0134		1-1/4" Diameter, Two Wall, Stainless Steel Grab Bars *(10 28 13 13-0125)*		
		Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0135	EA	24" x 36", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-58616)	143.13	15.66
		For Peened Grip, Add	*10.06*	
10 28 13 13-0136	EA	36" x 54", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5837)	145.96	15.66
		For Peened Grip, Add	*10.32*	

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10 28 13 13-0137		**1-1/2" Diameter, Stainless Steel Grab Bars** *(10 28 13 13-0125)* Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0138	EA	12" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x12)	75.87	15.66
		For Peened Grip, Add	*4.36*	
10 28 13 13-0139	EA	18" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x18)	75.87	15.66
		For Peened Grip, Add	*4.36*	
10 28 13 13-0140	EA	24" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x24)	77.52	15.66
		For Peened Grip, Add	*4.51*	
10 28 13 13-0141	EA	30" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x30)	78.47	15.66
		For Peened Grip, Add	*4.60*	
10 28 13 13-0142	EA	36" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x36)	80.36	15.66
		For Peened Grip, Add	*4.77*	
10 28 13 13-0143	EA	42" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x42)	82.25	15.66
		For Peened Grip, Add	*4.94*	
10 28 13 13-0144	EA	48" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x48)	86.27	15.66
		For Peened Grip, Add	*5.30*	
10 28 13 13-0145		**1-1/2" Diameter, Two Wall, Stainless Steel Grab Bars** *(10 28 13 13-0125)* Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0146	EA	16" x 31", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6861)	101.59	15.66
		For Peened Grip, Add	*6.32*	
10 28 13 13-0147	EA	24" x 36", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68616)	146.20	15.66
		For Peened Grip, Add	*10.34*	
10 28 13 13-0148	EA	36" x 54", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68137)	147.85	15.66
		For Peened Grip, Add	*10.49*	
10 28 13 13-0149		**1-1/4" Diameter, Stainless Steel Swing Up Grab Bars** *(10 28 13 13-0125)* Note: Includes satin finish.		
10 28 13 13-0150	EA	29" Length, 1-1/4" Diameter, Stainless Steel Swing Up Grab Bar (Bobrick B-4998)	312.96	15.66
		For Peened Grip, Add	*25.70*	
10 28 13 13-0151		**Shelves** *(10 28 13 13-0001)*		
10 28 13 13-0152	EA	5" Width x 16" Length, Stainless Steel Shelf (Bobrick B-295)	84.63	17.62
10 28 13 13-0153	EA	5" Width x 18" Length, Stainless Steel Shelf (Bobrick B-295)	86.76	17.62
10 28 13 13-0154	EA	5" Width x 24" Length, Stainless Steel Shelf (Bobrick B-295)	97.40	17.62
10 28 13 13-0155	EA	5" Width x 36" Length, Stainless Steel Shelf (Bobrick B-295)	121.27	17.62
10 28 13 13-0156	EA	6" Width x 18" Length, Stainless Steel Shelf (Bobrick B-296)	97.40	17.62
10 28 13 13-0157	EA	6" Width x 24" Length, Stainless Steel Shelf (Bobrick B-296)	110.16	17.62
10 28 13 13-0158	EA	8" Width x 18" Length, Stainless Steel Shelf (Bobrick B-298)	104.02	17.62
10 28 13 13-0159	EA	8" Width x 24" Length, Stainless Steel Shelf (Bobrick B-298)	113.24	17.62
10 28 13 13-0160	EA	8" Width x 36" Length, Stainless Steel Shelf (Bobrick B-298)	145.15	17.62
10 28 13 13-0161	EA	6-1/4" Width x 24" Length, Stainless Steel Towel Shelf With Towel Bar (Bobrick B-7676)	82.98	17.62
10 28 13 13-0162	EA	5-3/4" Width x 14-1/2" Length, Folding Stainless Steel Utility Shelf (Bobrick B-287)	103.31	17.62
10 28 13 13-0163	EA	4-3/4" Width x 24" Length, Stainless Steel Toiletry Shelf (Bobrick B-683)	105.43	17.62
10 28 13 13-0164	EA	12" Width x 24" Length, Stainless Steel Shelf (Bradley 7512-24)	168.56	17.62
10 28 13 13-0165	EA	12" Width x 30" Length, Stainless Steel Shelf (Bradley 7512-30)	180.21	17.62
10 28 13 13-0166	EA	12" Width x 36" Length, Stainless Steel Shelf (Bradley 7512-36)	198.19	17.62
10 28 13 13-0167	EA	12" Width x 48" Length, Stainless Steel Shelf (Bradley 7512-48)	247.11	17.62
10 28 13 13-0168	EA	12" Width x 60" Length, Stainless Steel Shelf (Bradley 7512-60)	336.23	17.62
10 28 13 13-0169	EA	4-1/4" Width x 16-1/2" Length x 6-1/2" Height, Recessed Stainless Steel Shelf (American Specialties 0412)	141.63	17.62
10 28 13 13-0170		**Changing Stations** *(10 28 13 13-0001)*		
10 28 13 13-0171	EA	Horizontal, Wall-Mounted, Polyethylene Child Protection Seat (Bobrick Koala Care KB102-00)	167.65	23.49
10 28 13 13-0172	EA	Horizontal, Wall-Mounted, Polyethylene Baby Changing Station (Bobrick Koala Care KB100-00)	386.07	23.49
10 28 13 13-0173	EA	Vertical, Wall-Mounted, Polyethylene Baby Changing Station (Bobrick Koala Care KB101-00)	386.07	23.49
10 28 13 13-0174	EA	Horizontal, Wall-Mounted, Polypropylene Baby Changing Station (Bobrick Koala Care KB200-00)	309.40	23.49
10 28 13 13-0175	EA	Horizontal, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSRE)	1,649.19	23.49
10 28 13 13-0176	EA	Horizontal, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSWM)	1,940.97	23.49
10 28 13 13-0177	EA	Vertical, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSRE)	1,649.19	23.49
10 28 13 13-0178	EA	Vertical, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSWM)	1,940.97	23.49
10 28 13 13-0179		**Folding Shower Seats** *(10 28 13 13-0001)*		
10 28 13 13-0180	EA	33" Width, Wall-Mounted, Reversible, Folding , Stainless Steel Hardware, Solid Phenolic Shower Seat (Bobrick B-5181)	405.83	31.32
10 28 13 13-0181	EA	33" Width, Wall-Mounted, Foam Padded, Naugahyde® Folding Shower Seat (Bobrick B-517/518)	514.57	31.32
10 28 13 13-0182	EA	30" Width, Wall-Mounted, Teakwood Folding Shower Seat	501.97	31.32
10 28 13 13-0183		**Soap/Dish Holders** *(10 28 13 13-0001)*		
10 28 13 13-0184	EA	Surface Mounted, Stainless Steel Toothbrush and Tumbler Holder (Gamco 7679)	44.21	17.62
10 28 13 13-0185	EA	Surface Mounted, Stainless Steel Soap Dish (Gamco 7680)	44.69	17.62
10 28 13 13-0186	EA	Recessed Mounted, Stainless Steel Soap Dish (Bobrick B-4380)	81.36	17.62
10 28 13 13-0187	EA	Recessed Mounted, Stainless Steel Soap Dish And Bar (Bobrick B-4390)	88.69	17.62

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0188		**Shower Curtains/Curtain Rods** *(10 28 13 13-0001)*		
10 28 13 13-0189	EA	Stainless Steel Shower Curtain Hook (Bobrick B-204-1)	2.04	0.78
10 28 13 13-0190	EA	42" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-2) Note: Requires 7 curtain hooks.	40.48	7.83
10 28 13 13-0191	EA	70" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-3) Note: Requires 12 curtain hooks.	43.08	7.83
10 28 13 13-0192	EA	36" Length, 20 Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	62.41	17.62
10 28 13 13-0193	EA	48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	66.67	17.62
10 28 13 13-0194	EA	60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	71.87	17.62
10 28 13 13-0195	EA	72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	77.07	17.62
10 28 13 13-0196	EA	36" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107)	56.50	17.62
10 28 13 13-0197	EA	48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107)	61.00	17.62
10 28 13 13-0198	EA	60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107)	64.07	17.62
10 28 13 13-0199	EA	72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107)	68.80	17.62
10 28 13 13-0200	EA	36" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	57.69	17.62
10 28 13 13-0201	EA	48" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	62.18	17.62
10 28 13 13-0202	EA	60" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	67.14	17.62
10 28 13 13-0203	EA	72" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	71.40	17.62
10 28 13 13-0204		**Hand Dryers** *(10 28 13 13-0001)*		
10 28 13 13-0205	EA	Surface Mounted, Automatic Sensor, One Piece Plastic Cover Hand Dryer (Bobrick CompacDryer B-710)	393.78	20.61
10 28 13 13-0206	EA	Surface Mounted, Automatic Sensor, Cast Aluminum Cover Hand Dryer (Bobrick AirPro B-709)	537.97	20.61
10 28 13 13-0207	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick Air Guard B-708)	600.61	20.61
10 28 13 13-0208	EA	Surface Mounted, Touch-Button, Cast-Iron Cover Hair Dryer (Bobrick AirCraft B-731)	802.95	20.61
10 28 13 13-0209	EA	Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick AirCraft B-750)	890.88	20.61
10 28 13 13-0210	EA	Recessed Mounted, Automatic Sensor, Color Cast-Iron Cover Hand Dryer (Bobrick AirCraft B-7507)	1,001.51	20.61
10 28 13 13-0211	EA	Surface Mounted, Touch-Button, Cast-Iron Cover Hand Dryer (World Dryer A)	523.56	20.61
10 28 13 13-0212	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (World Dryer A)	584.00	20.61
10 28 13 13-0213	EA	Surface Mounted, Touch-Button, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60)	538.99	20.61
10 28 13 13-0214	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60T)	558.28	20.61
10 28 13 13-0215	EA	Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60TR)	578.85	20.61
10 28 13 13-0216	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Excel Xlerator XL-GR)	664.20	20.61
10 28 13 13-0217	EA	Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB12)	876.60	20.61
10 28 13 13-0218	EA	Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB14)	1,496.28	20.61
10 28 13 13-0219	EA	Surface Mounted, Automatic Sensor, White ABS Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	671.07	20.61
10 28 13 13-0220	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-M) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	707.22	20.61
10 28 13 13-0221	EA	Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-BG) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	727.87	20.61
10 28 13 13-0222	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-C) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	748.53	20.61
10 28 13 13-0223	EA	Surface Mounted, Automatic Sensor, Stainless Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-SS) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	789.84	20.61
10 28 13 13-0224	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9) Note: Electronically adjustable sound and speed.	547.13	20.61
10 28 13 13-0225	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-M) Note: Electronically adjustable sound and speed.	583.28	20.61
10 28 13 13-0226	EA	Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-BG) Note: Electronically adjustable sound and speed.	603.94	20.61
10 28 13 13-0227	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-C) Note: Electronically adjustable sound and speed.	624.59	20.61
10 28 13 13-0228	EA	Surface Mounted, Automatic Sensor, Stainless Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-SS) Note: Electronically adjustable sound and speed.	665.91	20.61
10 28 13 13-0229	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7) Note: Electronically adjustable sound and speed.	547.13	20.61
10 28 13 13-0230	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-M) Note: Electronically adjustable sound and speed.	583.28	20.61
10 28 13 13-0231	EA	Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-BG) Note: Electronically adjustable sound and speed.	603.94	20.61
10 28 13 13-0232	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-C) Note: Electronically adjustable sound and speed.	624.59	20.61
10 28 13 13-0233	EA	Surface Mounted, Stainless Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-SS) Note: Electronically adjustable sound and speed.	665.91	20.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0234	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90)	402.54	20.61
10 28 13 13-0235	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-M)	438.69	20.61
10 28 13 13-0236	EA	Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-BG)	459.35	20.61
10 28 13 13-0237	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-C)	480.00	20.61
10 28 13 13-0238	EA	Surface Mounted, Stainless Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-SS)	521.31	20.61
10 28 13 13-0239	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90H)	402.54	20.61
10 28 13 13-0240	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-MH)	438.69	20.61
10 28 13 13-0241	EA	Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-BGH)	459.35	20.61
10 28 13 13-0242	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-CH)	480.00	20.61
10 28 13 13-0243	EA	Surface Mounted, Automatic Sensor, Stainless Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-SSH)	521.31	20.61
10 28 13 13-0244	EA	Surface Mounted, Automatic Sensor, ABS Cover, Hand Dryer (American Dryer GX1)	299.26	20.61
10 28 13 13-0245	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Hand Dryer (American Dryer GX1-M)	335.41	20.61
10 28 13 13-0246	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Hand Dryer (American Dryer GX1-C)	376.72	20.61

10 28 13 13-0247 Hand Dryers (Excel XLERATOR®) *(10 28 13 13-0001)*

Note: With or without noise reduction nozzle options.

10 28 13 13-0248	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-W)	561.29	20.61
		For ADA-Compliant Recess Kit, Add	*156.91*	
10 28 13 13-0249	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer With HEPA Filtration System (Excel XLERATOR® XL-WH)	780.28	20.61
		For ADA-Compliant Recess Kit, Add	*156.91*	
10 28 13 13-0250	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-GR)	654.28	20.61
		For ADA-Compliant Recess Kit, Add	*156.91*	
10 28 13 13-0251	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover Hand Dryer With HEPA Filtration System (Excel Xlerator XL-GRH)	811.78	20.61
		For ADA-Compliant Recess Kit, Add	*156.91*	
10 28 13 13-0252	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-C)	701.53	20.61
		For ADA-Compliant Recess Kit, Add	*156.91*	
10 28 13 13-0253	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer With HEPA Filtration System (Excel XLERATOR® XL-CH)	859.03	20.61
		For ADA-Compliant Recess Kit, Add	*156.91*	
10 28 13 13-0254	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer (Excel XLERATOR® XL-SB)	701.53	20.61
		For ADA-Compliant Recess Kit, Add	*156.91*	
10 28 13 13-0255	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer With HEPA Filtration System (Excel XLERATOR® XL-SBH)	859.03	20.61
		For ADA-Compliant Recess Kit, Add	*156.91*	
10 28 13 13-0256	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-SP)	654.28	20.61
		For ADA-Compliant Recess Kit, Add	*156.91*	
10 28 13 13-0257	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer With HEPA Filtration System (Excel XLERATOR® XL-SPH)	811.78	20.61
		For ADA-Compliant Recess Kit, Add	*156.91*	
10 28 13 13-0258	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer (Excel XLERATOR® XL-BW)	591.28	20.61
		For ADA-Compliant Recess Kit, Add	*156.91*	
10 28 13 13-0259	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer With HEPA Filtration System (Excel XLERATOR® XL-BWH)	748.78	20.61
		For ADA-Compliant Recess Kit, Add	*156.91*	
10 28 13 13-0260	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-W-ECO)	561.29	20.61
		For ADA-Compliant Recess Kit, Add	*156.91*	
10 28 13 13-0261	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With HEPA Filtration System (Excel XLERATOReco® XL-WH-ECO)	780.28	20.61
		For ADA-Compliant Recess Kit, Add	*156.91*	
10 28 13 13-0262	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-GR-ECO)	654.28	20.61
		For ADA-Compliant Recess Kit, Add	*156.91*	
10 28 13 13-0263	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With HEPA Filtration System (Excel XLERATOReco® XL-GRH-ECO)	811.78	20.61
		For ADA-Compliant Recess Kit, Add	*156.91*	
10 28 13 13-0264	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-C-ECO)	701.53	20.61
		For ADA-Compliant Recess Kit, Add	*156.91*	
10 28 13 13-0265	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With HEPA Filtration System (Excel XLERATOReco® XL-CH-ECO)	859.03	20.61
		For ADA-Compliant Recess Kit, Add	*156.91*	
10 28 13 13-0266	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-SB-ECO)	701.53	20.61
		For ADA-Compliant Recess Kit, Add	*156.91*	

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10 28 13 13-0267	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer With HEPA Filtration System (Excel XLERATOReco® XL-SBH-ECO)	859.03	20.61
		For ADA-Compliant Recess Kit, Add	*156.91*	
10 28 13 13-0268	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-SP-ECO)	654.28	20.61
		For ADA-Compliant Recess Kit, Add	*156.91*	
10 28 13 13-0269	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With HEPA Filtration System (Excel XLERATOReco® XL-SPH-ECO)	811.78	20.61
		For ADA-Compliant Recess Kit, Add	*156.91*	
10 28 13 13-0270	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer (Excel XLERATOReco® XL-BW-ECO)	591.28	20.61
		For ADA-Compliant Recess Kit, Add	*156.91*	
10 28 13 13-0271	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer With HEPA Filtration System (Excel XLERATOReco® XL-BWH-ECO)	748.78	20.61
		For ADA-Compliant Recess Kit, Add	*156.91*	
10 28 13 13-0272		**Additional Accessories** *(10 28 13 13-0001)*		
10 28 13 13-0273		**Hooks** *(10 28 13 13-0272)*		
10 28 13 13-0274	EA	Stainless Steel Clothes Hook And Bumper (Bobrick B-212)	21.81	7.83
10 28 13 13-0275	EA	Single Stainless Steel Robe Hook (Bobrick B-7671)	22.29	7.83
10 28 13 13-0276	EA	Double Stainless Steel Robe Hook (Bobrick B-7672)	23.93	7.83
10 28 13 13-0277	EA	Double Stainless Steel Robe Hook (Bobrick B-672 or B-6727)	40.72	7.83
10 28 13 13-0278		**Clotheslines** *(10 28 13 13-0272)*		
10 28 13 13-0279	EA	Surface Mounted, Stainless Steel Retractable Clothesline (Bobrick B-7636)	44.19	15.66
10 28 13 13-0280		**Towel Bars** *(10 28 13 13-0272)*		
10 28 13 13-0281	EA	18" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-7673)	55.56	17.62
10 28 13 13-0282	EA	24" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-7673)	58.16	17.62
10 28 13 13-0283	EA	18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-7674)	53.19	17.62
10 28 13 13-0284	EA	24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-7674)	53.90	17.62
10 28 13 13-0285	EA	18" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673)	78.01	17.62
10 28 13 13-0286	EA	24" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673)	81.32	17.62
10 28 13 13-0287	EA	18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674)	80.38	17.62
10 28 13 13-0288	EA	24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674)	83.21	17.62
10 28 13 13-0289	EA	18" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205)	83.69	17.62
10 28 13 13-0290	EA	24" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205)	86.29	17.62
10 28 13 13-0291	EA	18" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530)	67.61	17.62
10 28 13 13-0292	EA	24" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530)	70.45	17.62
10 28 13 13-0293		**Towel Bar With Shelf** *(10 28 13 13-0272)*		
10 28 13 13-0294	EA	24" Length, Stainless Steel Towel Shelf With Towel Bar (Bobrick B-676)	151.53	17.62
10 28 13 13-0295		**Towel Pins** *(10 28 13 13-0272)*		
10 28 13 13-0296	EA	Stainless Steel Towel Pin (Bobrick B-677)	38.94	7.83
10 28 13 13-0297		**Mirrors** *(10 28 13 13)*		
10 28 13 13-0298		**Stainless Steel Channel Frame Glass Mirrors** *(10 28 13 13-0297)*		
10 28 13 13-0299	EA	16" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1624)	96.76	19.57
10 28 13 13-0300	EA	18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1824)	96.76	19.57
10 28 13 13-0301	EA	18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1830)	101.01	19.57
		For Tempered Glass (B-1658), Add	*35.08*	
10 28 13 13-0302	EA	18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1836)	109.99	19.57
		For Tempered Glass (B-1658), Add	*41.36*	
10 28 13 13-0303	EA	24" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2430)	121.10	19.57
10 28 13 13-0304	EA	24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2436)	125.60	19.57
		For Tempered Glass (B-1658), Add	*52.29*	
10 28 13 13-0305	EA	24" x 48", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2448)	156.32	19.57
10 28 13 13-0306	EA	24" x 60", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2460)	181.14	19.57
10 28 13 13-0307	EA	36" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 3636)	205.96	19.57
10 28 13 13-0308	EA	48" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 4836)	255.84	19.57
10 28 13 13-0309	EA	60" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 6036)	298.15	19.57
10 28 13 13-0310		**Stainless Steel Channel Frame Glass Mirror/Shelf Combination** *(10 28 13 13-0297)*		
10 28 13 13-0311	EA	18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1824)	151.36	19.57
10 28 13 13-0312	EA	18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1830)	163.18	19.57
10 28 13 13-0313	EA	18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1836)	171.22	19.57
10 28 13 13-0314	EA	24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 2436)	192.96	19.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0315		**Stainless Steel Angle Frame Glass Mirrors** *(10 28 13 13-0297)*		
10 28 13 13-0316	EA	18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1824)	136.23	19.57
10 28 13 13-0317	EA	18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1830)	144.74	19.57
		For Tempered Glass (B-2908), Add	*61.93*	
10 28 13 13-0318	EA	18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1836)	155.38	19.57
		For Tempered Glass (B-2908), Add	*68.96*	
10 28 13 13-0319	EA	24" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2430)	174.05	19.57
10 28 13 13-0320	EA	24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2436)	175.00	19.57
		For Tempered Glass (B-2908), Add	*81.91*	
10 28 13 13-0321	EA	24" x 48", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2448)	231.73	19.57
10 28 13 13-0322	EA	24" x 60", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2460)	272.15	19.57
10 28 13 13-0323	EA	24" x 72", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2472)	313.67	19.57
10 28 13 13-0324	EA	36" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 3636)	256.79	19.57
10 28 13 13-0325	EA	48" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 4836)	306.90	19.57
10 28 13 13-0326	EA	72" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 7236)	416.81	19.57
10 28 13 13-0327		**Stainless Steel Angle Frame Glass Mirror/Shelf Combination** *(10 28 13 13-0297)*		
10 28 13 13-0328	EA	18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1824)	253.48	19.57
10 28 13 13-0329	EA	18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1830)	265.77	19.57
10 28 13 13-0330	EA	18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1836)	278.77	19.57
10 28 13 13-0331	EA	24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-2436)	310.44	19.57
10 28 13 13-0332		**Frameless Stainless Steel Mirrors** *(10 28 13 13-0297)*		
10 28 13 13-0333	EA	15-1/2" x 19-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 1620)	116.38	19.57
10 28 13 13-0334	EA	15-1/2" x 23-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 1624)	130.32	19.57
10 28 13 13-0335	EA	17-1/2" x 29-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 1830)	152.78	19.57
10 28 13 13-0336	EA	23-1/2" x 35-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 2436)	197.93	19.57
10 28 13 13-0337		**Fixed-Position Tilt, Stainless Steel Frame Glass Mirrors** *(10 28 13 13-0297)*		
10 28 13 13-0338	EA	16" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1630)	204.31	19.57
10 28 13 13-0339	EA	18" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1830)	215.42	19.57
10 28 13 13-0340	EA	18" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1836)	258.91	19.57
10 28 13 13-0341	EA	24" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 2436)	318.24	19.57
10 28 13 13-0342		**Medicine Cabinets** *(10 28 13 13)*		
10 28 13 13-0343		**Metal Medicine Cabinets** *(10 28 13 13-0342)*		
10 28 13 13-0344	EA	20" x 26", Surface Mounted, Aluminum Medicine Cabinet (Kohler K-CB)	221.14	39.15
10 28 13 13-0345	EA	15-1/2" x 25-7/8", Recessed Mounted, All-Steel Medicine Cabinet (Bobrick B-397) Note: Includes three adjustable plastic shelves.	171.20	39.15
10 28 13 13-0346	EA	14-1/8" x 20-1/4", Surface Mounted, All-Steel Medicine Cabinet (Bobrick B-297) Note: Includes two fixed shelves with baked white enamel finish.	181.12	39.15
10 28 13 13-0347	EA	15-1/4" x 25-1/2", Recessed Mounted, Stainless Steel Medicine Cabinet (Bobrick B-398) Note: Includes four adjustable stainless steel shelves.	373.77	39.15
10 28 13 13-0348	EA	17" x 26-7/8", Surface Mounted, Stainless Steel Medicine Cabinet (Bobrick B-299) Note: Includes four adjustable shelves.	528.60	39.15
10 28 13 13-0349		**Ash Trays** *(10 28 13 13)*		
10 28 13 13-0350	EA	Compact Type, Surface Mounted, Stainless Steel Wall Urn Ash Tray (Bobrick B-240)	58.61	15.66
10 28 13 13-0351		**Janitorial Material** *(10 28 13 13)*		
10 28 13 13-0352	EA	Stainless Steel Pail And Ladder Hook (Bobrick B-670)	36.22	7.83
10 28 13 13-0353	EA	24" Length, Stainless Steel Utility Hook Strip (Bobrick B-232x24)	92.20	17.62
10 28 13 13-0354	EA	24" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x24)	95.03	17.62
10 28 13 13-0355	EA	30" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x30)	116.54	17.62
10 28 13 13-0356	EA	36" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x36)	108.03	17.62
10 28 13 13-0357	EA	36" Length, Utility Hook Strip (Bobrick B-232x36)	108.03	17.62
10 28 13 13-0358	EA	36" Length, Stainless Steel Custodian Utility Shelf With Mop And Broom Holders And Rag Hooks (Bobrick B-224x36)	226.93	17.62
10 28 13 13-0359	EA	34" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder With Shelf And Rag Hooks (Bobrick B-239x34)	333.07	17.62
10 28 13 13-0360		**Remove And Reinstall Bathroom Accessories** *(10 28 13 13)*		
10 28 13 13-0361	EA	Remove And Reinstall Bathroom Accessory	24.47	
10 28 13 19		**Healthcare Toilet Accessories** *(10 28 13)*		
10 28 13 19-0001	EA	Surface Mounted, Stainless Steel Bedpan/Urinal Holder (Bradley BR-9905)	201.64	24.51
10 28 13 19-0002	EA	Recessed Mounted, Stainless Steel Bedpan Storage Cabinet (Bradley BR-990)	642.25	24.51
10 28 13 19-0003	EA	Stainless Steel Foot Operated Soap Dispenser (Bradley BR-6843)	197.52	65.23

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 63		**Detention Toilet Accessories** *(10 28 13)*		
10 28 13 63-0001		1-1/2" Diameter, 18 Gauge, Stainless Steel Suicide Resistant Security Grab Bar *(10 28 13 63)*		
10 28 13 63-0002	EA	18" Length, 1-1/2" Diameter, 18 Gauge, Stainless Steel Suicide Resistant Security Grab Bar (Bradley SA70-001180)	107.73	15.66
10 28 13 63-0003	EA	24" Length, 1-1/2" Diameter, 18 Gauge, Stainless Steel Suicide Resistant Security Grab Bar (Bradley SA70-001240)	112.24	15.66
10 28 13 63-0004	EA	36" Length, 1-1/2" Diameter, 18 Gauge, Stainless Steel Suicide Resistant Security Grab Bar (Bradley SA70-001360)	115.24	15.66
10 28 13 63-0005	EA	42" Length, 1-1/2" Diameter, 18 Gauge, Stainless Steel Suicide Resistant Security Grab Bar (Bradley SA70-001420)	126.75	15.66
10 28 13 63-0006	EA	60" Length, 1-1/2" Diameter, 18 Gauge, Stainless Steel Suicide Resistant Security Grab Bar (Bradley SA70-002600)	249.14	15.66
10 28 16		**Bath Accessories** *(10 28)*		
10 28 16 13		**Residential Bath Accessories** *(10 28 16)*		
10 28 16 13-0001		Toilet Accessories *(10 28 16 13)*		
10 28 16 13-0002		Recessed Mounted, Chrome Plated Toilet Accessories *(10 28 16 13-0001)*		
10 28 16 13-0003	EA	Single Roll, Recessed Mounted, Chrome Plated Toilet Paper Holder	56.13	17.62
10 28 16 13-0004	EA	Recessed Mounted, Chrome Plated Soap Dish	68.78	17.62
10 28 16 13-0005	EA	Recessed Mounted, Chrome Plated Soap Dish And Bar	71.35	17.62
10 28 16 13-0006	EA	Recessed Mounted, Chrome Plated Tumbler Holder	57.22	17.62
10 28 16 13-0007		Surface Mounted, Chrome Plated Toilet Accessories *(10 28 16 13-0001)*		
10 28 16 13-0008	EA	Surface Mounted, Chrome Plated Soap Dish	33.77	11.75
10 28 16 13-0009	EA	Surface Mounted, Chrome Plated Single Clothes Hook	36.63	11.75
10 28 16 13-0010	EA	Surface Mounted, Chrome Plated Double Clothes Hook	36.63	11.75
10 28 16 13-0011	LF	6" Deep, Surface Mounted, Chrome Plated Supports, Glass Shelf	58.99	11.75
10 28 16 13-0012	LF	6" Deep, Surface Mounted, Stainless Steel Shelf	51.78	11.75
10 28 16 13-0013	EA	18" Length, Surface Mounted, Chrome Plated Towel Bar	44.17	15.66
10 28 16 13-0014	EA	24" Length, Surface Mounted, Chrome Plated Towel Bar	44.49	15.66
10 28 16 13-0015	EA	Surface Mounted, Chrome Plated Towel Ring	33.06	11.75
10 28 16 13-0016	EA	Surface Mounted, Chrome Plated Tumbler And Toothbrush Holder	22.03	17.62
10 28 16 13-0017	EA	Single Roll, Surface Mounted, Chrome Plated Toilet Paper Holder	33.77	11.75
10 28 16 13-0018	EA	Two Roll, Surface Mounted, Chrome Plated Toilet Paper Holder	52.99	11.75
10 28 16 13-0019	EA	Surface Mounted, Chrome Plated Globe Soap Dispenser	37.62	11.75
10 28 16 13-0020	EA	Surface Mounted, Chrome Plated Towel Pin	38.92	11.75
10 28 16 13-0021	EA	Surface Mounted, Chrome Plated Towel Ladder And Shelf	82.63	11.75
10 28 16 13-0022	EA	Surface Mounted, Retractable Chrome Plated Bath/Shower Clothesline	50.37	11.75
10 28 16 13-0023	EA	24" Length, Cut To Size Plastic Bar, Surface Mounted, Ceramic Base Towel Bar	62.47	11.75
10 28 16 13-0024		Solid Oak Medicine Cabinets *(10 28 16 13-0001)* Note: Surface or recessed mounted, premium quality.		
10 28 16 13-0025	EA	24" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	298.23	39.15
10 28 16 13-0026	EA	24" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	371.68	39.15
10 28 16 13-0027	EA	30" x 30" Unlighted, Solid Oak Medicine Cabinet With Mirror	315.40	39.15
10 28 16 13-0028	EA	30" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	395.10	39.15
10 28 16 13-0029	EA	36" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	326.23	39.15
10 28 16 13-0030	EA	36" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	415.68	39.15
10 28 16 13-0031	EA	48" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	341.10	39.15
10 28 16 13-0032	EA	48" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	440.82	39.15
10 28 16 13-0033		Toilet Accessories *(10 28 16 13-0001)*		
10 28 16 13-0034	EA	Surface Mounted Paper Towel Dispenser, Plastic	51.52	17.62
10 28 16 13-0035	EA	Surface Mounted Napkin Disposal, Plastic	47.92	17.62
10 28 16 13-0036	EA	Soap Dispenser For Soaps And Detergent, 50 Fluid Oz, Plastic	49.19	
10 28 16 13-0037	EA	Soap Dispenser For Antibacterial Soaps, 50 Fluid Oz, Plastic	53.00	17.62
10 28 16 13-0038	EA	Multi Roll (2) Toilet Tissue Dispenser, Plastic	51.53	17.62
10 28 16 13-0039	EA	Single Jumbo Roll Toilet Tissue Dispenser, Plastic	63.09	21.54
10 28 16 13-0040	EA	Surface Mounted Toilet Seat Cover Dispenser, Plastic	39.37	15.66
10 28 16 13-0041	EA	Waste Door For Countertops, 13 Gallon, Plastic	107.39	29.37
10 28 19		**Tub and Shower Enclosures** *(10 28)*		
10 28 19 16		**Shower Doors** *(10 28 19)*		
10 28 19 16-0001		Swinging Shower Doors *(10 28 19 16)*		
10 28 19 16-0002		Framed, Swinging Shower Doors *(10 28 19 16-0001)*		
10 28 19 16-0003	EA	24-1/4" To 26" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00801)	334.69	20.33
10 28 19 16-0004	EA	27-1/4" To 29" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00802)	339.19	20.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 19 16-0005	EA	29-5/8" To 31-3/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00803)	344.98	20.33
10 28 19 16-0006	EA	33-1/8" To 34-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00804)	349.48	20.33
10 28 19 16-0007	EA	35-1/8" To 36-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00805)	358.49	20.33
10 28 19 16-0008		Frameless, Swinging Shower Doors *(10 28 19 16-0001)*		
10 28 19 16-0009	EA	24-9/16" To 25-7/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0301D)	490.33	20.33
10 28 19 16-0010	EA	31-1/16" To 31-15/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0302D)	512.19	20.33
10 28 19 16-0011	EA	32-11/16" To 33-9/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0303D)	532.77	20.33
10 28 19 16-0012	EA	34-3/16" To 35-1/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0304D)	554.64	20.33
10 28 19 16-0013	EA	35-3/16" To 36-1/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0305D)	575.86	20.33
10 28 19 16-0014		Sliding Shower Doors *(10 28 19 16)*		
10 28 19 16-0015		Framed, Sliding Shower Doors *(10 28 19 16-0014)*		
10 28 19 16-0016	EA	40" To 42" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00735)	485.54	20.33
10 28 19 16-0017	EA	44" To 46" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00745)	492.48	20.33
10 28 19 16-0018	EA	46" To 48" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00775)	504.40	20.33
10 28 19 16-0019	EA	52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00729)	517.08	20.33
10 28 19 16-0020	EA	54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00794)	524.15	20.33
10 28 19 16-0021	EA	56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00795)	534.62	20.33
10 28 19 16-0022		Frameless, Sliding Shower Doors *(10 28 19 16-0014)*		
10 28 19 16-0023	EA	40" To 44" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00335)	584.60	20.33
10 28 19 16-0024	EA	44" To 48" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00345)	700.37	20.33
10 28 19 16-0025	EA	56" To 60" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00394)	755.67	20.33
10 28 19 16-0026	EA	40" To 44" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00330)	648.27	20.33
10 28 19 16-0027	EA	44" To 48" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00370)	657.14	20.33
10 28 19 16-0028	EA	56" To 60" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00390)	739.60	20.33
10 28 19 19		**Tub Doors** *(10 28 19)*		
10 28 19 19-0001		Sliding Bathtub Doors *(10 28 19 19)*		
10 28 19 19-0002		Framed, Sliding Bathtub Doors *(10 28 19 19-0001)*		
10 28 19 19-0003	EA	52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00725)	479.18	20.33
10 28 19 19-0004	EA	54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00749)	484.28	20.33
10 28 19 19-0005	EA	56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00750)	495.81	20.33

10 40 Safety Specialties *(10)*

10 41 Emergency Access And Information Cabinets *(10 40)*

10 41 13 Fire Department Plan Cabinets *(10 41)*

10 41 13 00-0001		Fire Department Plan Cabinets (Knox) *(10 41 13)*		
10 41 13 00-0002	EA	18" High x 14-1/2" Wide x 5" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300)	865.20	25.45
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Dual Locks, Add	*60.00*	
		For Back Key Hook Panel, Add	*57.92*	
		For Swing Key Hook Panel, Add	*156.92*	
		For Non-Locking Weather Housing, Add	*393.75*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 41 13 00-0003	EA	18" High x 14-1/2" Wide x 7" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300)	916.65	25.45
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Dual Locks, Add	*60.00*	
		For Back Key Hook Panel, Add	*57.92*	
		For Swing Key Hook Panel, Add	*156.92*	
		For Second Swing Key Hook Panel, Add	*123.92*	
		For Non-Locking Weather Housing, Add	*393.75*	

10 41 16 Emergency Key Cabinets *(10 41)*

10 41 16 00-0001 Emergency Key Cabinets (Knox) *(10 41 16)*

10 41 16 00-0002	EA	Elevator/Lobby, Deep Red Finish, Surface Mount, Fire Department Emergency Key Storage Box (Knox 1403)	438.17	25.45
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
10 41 16 00-0003	EA	5" High x 4" Wide x 3-3/4" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Box 3200)	386.72	25.45
		For Lift-Off Door, Deduct	*-40.00*	
		For Aluminum Or Dark Bronze Finish, Add	*10.00*	
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Recess Mount, Add	*54.59*	
		For Cast-In-Place Concrete Recess Mounting, Add	*119.00*	
10 41 16 00-0004	EA	6" High x 6" Wide x 4-1/2" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4100)	512.77	25.45
		For Aluminum Or Dark Bronze Finish, Add	*10.00*	
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Recess Mount, Add	*54.59*	
		For Dual Locks, Add	*60.00*	
		For Cast-In-Place Concrete Recess Mounting, Add	*130.00*	
10 41 16 00-0005	EA	7" High x 7" Wide x 5" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4400)	544.92	25.45
		For Aluminum Or Dark Bronze Finish, Add	*10.00*	
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Recess Mount, Add	*54.59*	
		For Dual Locks, Add	*60.00*	
		For Cast-In-Place Concrete Recess Mounting, Add	*135.00*	

10 44 Fire Protection Specialties *(10 40)*

10 44 13 Fire Protection Cabinets *(10 44)*

10 44 13 00-0001 Fire Extinguisher Cabinets *(10 44 13)*

10 44 13 00-0002 Recessed Fire Extinguisher Cabinets *(10 44 13 00-0001)*

10 44 13 00-0003 Steel Door And Trim, Recessed Fire Extinguisher Cabinets *(10 44 13 00-0002)*

Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0004	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	254.53	32.10
10 44 13 00-0005	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	258.85	32.10
10 44 13 00-0006	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	259.71	32.10
10 44 13 00-0007	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	286.47	32.10
10 44 13 00-0008	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	356.41	32.10
10 44 13 00-0009	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	365.90	32.10

10 44 13 00-0010 Aluminum Door And Trim, Recessed Fire Extinguisher Cabinets *(10 44 13 00-0002)*

Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0011	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	278.80	32.10
10 44 13 00-0012	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	283.77	32.10
10 44 13 00-0013	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	292.06	32.10
10 44 13 00-0014	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	306.15	32.10
10 44 13 00-0015	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	349.78	32.10
10 44 13 00-0016	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	363.04	32.10

10 44 13 00-0017 Stainless Steel Door And Trim, Recessed Fire Extinguisher Cabinets *(10 44 13 00-0002)*

Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0018	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	383.48	32.10
10 44 13 00-0019	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	393.64	32.10
10 44 13 00-0020	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	398.71	32.10
10 44 13 00-0021	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	433.41	32.10
10 44 13 00-0022	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	503.35	32.10
10 44 13 00-0023	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	524.51	32.10

10 44 13 00-0024 Bronze Door And Trim, Recessed Fire Extinguisher Cabinets *(10 44 13 00-0002)*

Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0025	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet	924.51	32.10
10 44 13 00-0026	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet	931.22	32.10
10 44 13 00-0027	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet	1,068.05	32.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0028		Acrylic Bubble Door And Steel Trim, Recessed Fire Extinguisher Cabinets *(10 44 13 00-0002)*		
		Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0029	EA	10-1/2" x 24" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	310.65	32.10
10 44 13 00-0030	EA	14" x 30" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	343.46	32.10
10 44 13 00-0031		Semi Recessed Fire Extinguisher Cabinets *(10 44 13 00-0001)*		
10 44 13 00-0032		Steel Door And Trim, Semi Recessed Fire Extinguisher Cabinets *(10 44 13 00-0031)*		
		Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0033	EA	9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet	277.84	32.10
10 44 13 00-0034	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet	286.47	32.10
10 44 13 00-0035	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet	287.34	32.10
10 44 13 00-0036	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet	316.69	32.10
10 44 13 00-0037	EA	16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet	375.40	32.10
10 44 13 00-0038	EA	20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet	384.90	32.10
10 44 13 00-0039		Aluminum Door And Trim, Semi Recessed Fire Extinguisher Cabinets *(10 44 13 00-0031)*		
		Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0040	EA	9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet	315.79	32.10
10 44 13 00-0041	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet	328.23	32.10
10 44 13 00-0042	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet	335.69	32.10
10 44 13 00-0043	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet	349.78	32.10
10 44 13 00-0044	EA	16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet	398.68	32.10
10 44 13 00-0045	EA	20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet	410.28	32.10
10 44 13 00-0046		Stainless Steel Door And Trim, Semi Recessed Fire Extinguisher Cabinets *(10 44 13 00-0031)*		
		Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0047	EA	9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	428.03	32.10
10 44 13 00-0048	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	439.88	32.10
10 44 13 00-0049	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	444.96	32.10
10 44 13 00-0050	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	471.19	32.10
10 44 13 00-0051	EA	16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	536.36	32.10
10 44 13 00-0052	EA	20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	550.74	32.10
10 44 13 00-0053		Bronze Door And Trim, Semi Recessed Fire Extinguisher Cabinets *(10 44 13 00-0031)*		
		Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0054	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet	1,163.45	32.10
10 44 13 00-0055	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet	1,169.08	32.10
10 44 13 00-0056	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet	1,339.03	32.10
10 44 13 00-0057		Acrylic Bubble Door And Steel Trim, Semi Recessed Fire Extinguisher Cabinets *(10 44 13 00-0031)*		
		Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0058	EA	10-1/2" x 24" x 4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	341.73	32.10
10 44 13 00-0059	EA	14" x 30" x 4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	372.81	32.10
10 44 13 00-0060		Surface Mounted Fire Extinguisher Cabinets *(10 44 13 00-0001)*		
10 44 13 00-0061		Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets *(10 44 13 00-0060)*		
		Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0062	EA	12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	270.93	32.10
10 44 13 00-0063	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	276.11	32.10
10 44 13 00-0064	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	317.56	32.10
10 44 13 00-0065	EA	19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	368.49	32.10
10 44 13 00-0066	EA	23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	382.31	32.10
10 44 13 00-0067		Aluminum Door And Trim, Surface Mount Fire Extinguisher Cabinets *(10 44 13 00-0060)*		
		Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0068	EA	12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	394.53	32.10
10 44 13 00-0069	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	405.31	32.10
10 44 13 00-0070	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	429.34	32.10
10 44 13 00-0071	EA	19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	476.59	32.10
10 44 13 00-0072	EA	23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	496.48	32.10
10 44 13 00-0073		Stainless Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets *(10 44 13 00-0060)*		
		Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0074	EA	12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	501.66	32.10
10 44 13 00-0075	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	517.74	32.10
10 44 13 00-0076	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	557.51	32.10
10 44 13 00-0077	EA	19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	634.52	32.10

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0078	EA	23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	658.22	32.10
10 44 13 00-0079		**Bronze Door And Trim, Surface Mount Fire Extinguisher Cabinets** *(10 44 13 00-0060)*		
		Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0080	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet	1,333.73	32.10
10 44 13 00-0081	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet	1,502.38	32.10
10 44 13 00-0082		**Acrylic Bubble Door And Steel Trim, Surface Mount Fire Extinguisher Cabinets** *(10 44 13 00-0060)*		
		Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0083	EA	13-11/16" x 27-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	322.74	32.10
10 44 13 00-0084	EA	17-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	360.72	32.10
10 44 13 00-0085	EA	31-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	493.68	32.10
10 44 13 00-0086		**Fire Extinguisher Cabinet Accessories** *(10 44 13 00-0001)*		
10 44 13 00-0087	EA	Standard Break Glass Cylinder Lock Mechanism	26.20	9.79
10 44 13 00-0088	EA	Breaker Bar And Chain For Break Glass Cabinets	23.88	9.79
10 44 13 00-0089	EA	Replacement Standard Pull Handle	22.47	9.79
10 44 13 00-0090	EA	Fire Extinguisher Cabinet Battery Operated Alarm	68.98	19.57
10 44 13 00-0091	EA	Fire Rated Option For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets	115.12	
10 44 13 00-0092	EA	Fire Rated Option For 12" x 27" x 7-3/4" Cabinets	126.63	
10 44 13 00-0093	EA	Fire Rated Option For 16" x 32" x 7-3/4" Cabinets	172.68	
10 44 13 00-0094	EA	Fire Rated Option For 20" x 27" x 7-3/4" Cabinets	236.00	
10 44 13 00-0095	EA	Fire Rated Option For 9" x 18" x 5-1/2" Cabinets	276.29	
10 44 13 00-0096	EA	Replace Standard Glass With Wire Glass For 9" x 18" x 5-1/2" Cabinets	66.77	
10 44 13 00-0097	EA	Replace Standard Glass With Wire Glass For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets	69.07	
10 44 13 00-0098	EA	Replace Standard Glass With Wire Glass For 12" x 27" x 7-3/4" Cabinets	92.10	
10 44 13 00-0099	EA	Replace Standard Glass With Wire Glass For 16" x 32" x 7-3/4" Cabinets	166.92	
10 44 13 00-0100	EA	Replace Standard Glass With Wire Glass For 20" x 27" x 7-3/4" Cabinets	169.23	
10 44 13 00-0101	EA	Replace Standard Glass With Wire Glass For 12-3/16" x 21-3/16" x 6" Cabinets	72.45	
10 44 13 00-0102	EA	Replace Standard Glass With Wire Glass For 13-11/16" x 27-3/16" x 6-1/2" Cabinets	76.07	
10 44 13 00-0103	EA	Replace Standard Glass With Wire Glass For 15-3/16" x 30-3/16" x 8-1/4" Cabinets	102.64	
10 44 13 00-0104	EA	Replace Standard Glass With Wire Glass For 19-3/16" x 35-3/16" x 8-1/4" Cabinets	181.12	
10 44 13 00-0105	EA	Replace Standard Glass With Wire Glass For 23-3/16" x 30-3/16" x 8-1/4" Cabinets	183.54	
10 44 13 00-0106		**Fire Hose Cabinets** *(10 44 13)*		
		Note: Excludes hoses, hose rack units, fire extinguishers and valves. See CSI section 21 12 13 00-0001 for fire hoses and nozzles, 21 12 13 00-0015 for fire hose rack units, 21 12 23 00-0001 for fire department valves, 21 12 23 00-0014 for fire hose angle valves.		
10 44 13 00-0107		**Recessed Fire Hose Cabinets** *(10 44 13 00-0106)*		
10 44 13 00-0108		**Steel Door And Trim, Recessed Fire Hose Cabinets** *(10 44 13 00-0107)*		
		Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0109	EA	34" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	359.79	96.20
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0110	EA	34" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	365.43	96.20
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0111	EA	38" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	370.13	96.20
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0112	EA	38" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	374.84	96.20
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0113	EA	30" x 30" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	380.48	96.20
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0114	EA	38" x 32" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	395.53	96.20
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0115	EA	23" x 18" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	400.23	96.20
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0116		**Aluminum Door And Trim, Recessed Fire Hose Cabinets** *(10 44 13 00-0107)*		
		Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0117	EA	34" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	389.04	96.20
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0118	EA	30" x 30" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	398.29	96.20
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0119	EA	34" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	399.49	96.20
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0120	EA	38" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	403.33	96.20
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0121	EA	38" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	408.37	96.20
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0122	EA	38" x 32" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	422.66	96.20
		For Solid Aluminum Door, Add	*6.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0123	EA	23" x 18" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	436.95	96.20
		For Solid Aluminum Door, Add	*6.50*	

10 44 13 00-0124 Stainless Steel Door And Trim, Recessed Fire Hose Cabinets *(10 44 13 00-0107)*

Note: Includes #4 finish, stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0125	EA	23" x 18" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	472.24	96.20
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0126	EA	34" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	515.94	96.20
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0127	EA	34" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	520.15	96.20
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0128	EA	38" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	533.59	96.20
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0129	EA	38" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	537.79	96.20
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0130	EA	30" x 30" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	559.64	96.20
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0131	EA	38" x 32" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	581.49	96.20
		For Solid Stainless Steel Door, Deduct	*-7.70*	

10 44 13 00-0132 Semi Recessed Fire Hose Cabinets *(10 44 13 00-0106)*

10 44 13 00-0133 Steel Door And Trim, Semi Recessed Fire Hose Cabinets *(10 44 13 00-0132)*

Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0134	EA	34" x 24" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet	374.84	96.20
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0135	EA	34" x 26" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet	380.48	96.20
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0136	EA	38" x 24" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet	385.18	96.20
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0137	EA	38" x 26" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet	390.82	96.20
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0138	EA	30" x 30" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet	395.53	96.20
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0139	EA	38" x 32" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet	410.57	96.20
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0140	EA	23" x 18" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet	416.21	96.20
		For Solid Steel Door, Deduct	*-8.60*	

10 44 13 00-0141 Aluminum Door And Trim, Semi Recessed Fire Hose Cabinets *(10 44 13 00-0132)*

Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0142	EA	34" x 24" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet	398.29	96.20
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0143	EA	34" x 26" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet	408.37	96.20
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0144	EA	30" x 30" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet	409.81	96.20
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0145	EA	38" x 24" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet	412.57	96.20
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0146	EA	38" x 26" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet	417.62	96.20
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0147	EA	38" x 32" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet	431.90	96.20
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0148	EA	23" x 18" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet	446.19	96.20
		For Solid Aluminum Door, Add	*6.50*	

10 44 13 00-0149 Stainless Steel Door And Trim, Semi Recessed Fire Hose Cabinets *(10 44 13 00-0132)*

Note: Includes #4 finish, 304 stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0150	EA	23" x 18" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet	498.30	96.20
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0151	EA	34" x 24" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet	546.20	96.20
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0152	EA	34" x 26" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet	550.40	96.20
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0153	EA	38" x 24" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet	563.85	96.20
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0154	EA	38" x 26" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet	568.05	96.20
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0155	EA	30" x 30" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet	589.90	96.20
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0156	EA	38" x 32" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet	611.75	96.20
		For Solid Stainless Steel Door, Deduct	*-7.70*	

10 44 13 00-0157 Surface Mount Fire Hose Cabinets *(10 44 13 00-0106)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 44 13 00-0158 Steel Door And Trim, Surface Mount Fire Hose Cabinets *(10 44 13 00-0157)*

Note: Includes baked enamel finish, steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0159	EA	37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	380.48	96.20
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0160	EA	37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	385.18	96.20
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0161	EA	41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	390.82	96.20
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0162	EA	41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	395.53	96.20
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0163	EA	33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	400.23	96.20
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0164	EA	41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	416.21	96.20
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0165	EA	26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	420.92	96.20
		For Solid Steel Door, Deduct	*-8.60*	

10 44 13 00-0166 Aluminum Door And Trim, Surface Mount Fire Hose Cabinets *(10 44 13 00-0157)*

Note: Includes clear satin anodized finish, aluminum door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0167	EA	37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	422.66	96.20
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0168	EA	33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	431.90	96.20
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0169	EA	37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	434.30	96.20
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0170	EA	41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	436.95	96.20
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0171	EA	41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	441.15	96.20
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0172	EA	41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	456.28	96.20
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0173	EA	26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	465.52	96.20
		For Solid Aluminum Door, Add	*6.50*	

10 44 13 00-0174 Stainless Steel Door And Trim, Surface Mount Fire Hose Cabinets *(10 44 13 00-0157)*

Note: Includes #4 finish, 304 stainless steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0175	EA	26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	533.59	96.20
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0176	EA	37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	673.10	96.20
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0177	EA	41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	708.39	96.20
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0178	EA	37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	716.80	96.20
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0179	EA	41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	725.20	96.20
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0180	EA	33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	760.50	96.20
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0181	EA	41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	804.20	96.20
		For Solid Stainless Steel Door, Deduct	*-7.70*	

10 44 16 Fire Extinguishers *(10 44)*

10 44 16 13 Portable Fire Extinguishers *(10 44 16)*

Note: Includes filling, certification, bracket, hardware and mounting on wall.

10 44 16 13-0001 Carbon Dioxide Type, Class BC Portable Fire Extinguisher *(10 44 16 13)*

10 44 16 13-0002	EA	2.5 LB Carbon Dioxide, Type BC Portable Fire Extinguisher	176.54	10.17
		For >5 To 10, Deduct	*-6.22*	
		For >10, Deduct	*-12.43*	
		For Placement In Cabinet, Deduct	*-26.10*	
10 44 16 13-0003	EA	5 LB Carbon Dioxide, Type BC Portable Fire Extinguisher	265.72	11.75
		For >5 To 10, Deduct	*-10.27*	
		For >10, Deduct	*-20.55*	
		For Placement In Cabinet, Deduct	*-30.12*	
10 44 16 13-0004	EA	10 LB Carbon Dioxide, Type BC Portable Fire Extinguisher	345.66	14.88
		For >5 To 10, Deduct	*-13.37*	
		For >10, Deduct	*-26.74*	
		For Placement In Cabinet, Deduct	*-39.15*	
10 44 16 13-0005	EA	15 LB Carbon Dioxide, Type BC Portable Fire Extinguisher	424.87	18.79
		For >5 To 10, Deduct	*-16.35*	
		For >10, Deduct	*-32.70*	
		For Placement In Cabinet, Deduct	*-48.94*	
10 44 16 13-0006	EA	20 LB Carbon Dioxide, Type BC Portable Fire Extinguisher	472.41	18.79
		For >5 To 10, Deduct	*-18.73*	
		For >10, Deduct	*-37.45*	
		For Placement In Cabinet, Deduct	*-48.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 16 13-0007	EA	50 LB Carbon Dioxide, Type BC Wheeled Fire Extinguisher	1,613.66	29.75
		For >5 To 10, Deduct	*-72.85*	
		For >10, Deduct	*-145.71*	
10 44 16 13-0008	EA	100 LB Carbon Dioxide, Type BC Wheeled Fire Extinguisher	3,148.64	29.75
		For >5 To 10, Deduct	*-149.60*	
		For >10, Deduct	*-299.20*	
10 44 16 13-0009		**Dry Chemical Type, Class ABC Portable Fire Extinguisher** *(10 44 16 13)*		
10 44 16 13-0010	EA	2.6 LB Dry Chemical, Type ABC Portable Fire Extinguisher	98.88	10.17
		For >5 To 10, Deduct	*-2.33*	
		For >10, Deduct	*-4.67*	
		For Placement In Cabinet, Deduct	*-26.10*	
10 44 16 13-0011	EA	5 LB Dry Chemical, Type ABC Portable Fire Extinguisher	127.47	11.75
		For >5 To 10, Deduct	*-3.36*	
		For >10, Deduct	*-6.72*	
		For Placement In Cabinet, Deduct	*-30.12*	
10 44 16 13-0012	EA	10 LB Dry Chemical, Type ABC Portable Fire Extinguisher	183.69	14.88
		For >5 To 10, Deduct	*-5.27*	
		For >10, Deduct	*-10.54*	
		For Placement In Cabinet, Deduct	*-39.15*	
10 44 16 13-0013	EA	20 LB Dry Chemical, Type ABC Portable Fire Extinguisher	263.74	18.79
		For >5 To 10, Deduct	*-8.29*	
		For >10, Deduct	*-16.59*	
		For Placement In Cabinet, Deduct	*-48.94*	
10 44 16 13-0014	EA	50 LB Dry Chemical, Type ABC Wheeled Fire Extinguisher	1,897.78	29.75
		For >5 To 10, Deduct	*-87.06*	
		For >10, Deduct	*-174.12*	
10 44 16 13-0015	EA	125 LB Dry Chemical, Type ABC Wheeled Fire Extinguisher	2,888.63	29.75
		For >5 To 10, Deduct	*-136.60*	
		For >10, Deduct	*-273.20*	
10 44 16 13-0016		**Other Portable Fire Extinguishers** *(10 44 16 13)*		
10 44 16 13-0017	EA	2.5 Gallon Water, Stored Pressure Portable Fire Extinguisher Note: Stainless steel.	198.13	11.75
		For >5 To 10, Deduct	*-6.90*	
		For >10, Deduct	*-13.79*	
		For Placement In Cabinet, Deduct	*-30.12*	
10 44 16 13-0018	EA	1.6 Gallon Wet Chemical, Class K Portable Fire Extinguisher Note: Stainless steel.	296.91	18.79
		For >5 To 10, Deduct	*-9.95*	
		For >10, Deduct	*-19.90*	
		For Placement In Cabinet, Deduct	*-48.94*	
10 44 16 13-0019	EA	2.5 Gallon Wet Chemical, Class K Portable Fire Extinguisher Note: Stainless steel.	312.21	18.79
		For >5 To 10, Deduct	*-10.72*	
		For >10, Deduct	*-21.43*	
		For Placement In Cabinet, Deduct	*-48.94*	
10 44 16 13-0020	EA	30 LB Dry Powder, Class D Portable Fire Extinguisher Note: Yellow steel.	468.37	18.79
		For >5 To 10, Deduct	*-18.52*	
		For >10, Deduct	*-37.05*	
10 44 16 13-0021		**Recharge Existing Portable Fire Extinguishers** *(10 44 16 13)* Note: Includes removal, filling, testing, certification and reinstallation.		
10 44 16 13-0022		**Recharge Carbon Dioxide, Class BC Portable Fire Extinguishers** *(10 44 16 13-0021)*		
10 44 16 13-0023	EA	Recharge 2.5 LB Carbon Dioxide Portable Fire Extinguisher	8.94	
10 44 16 13-0024	EA	Recharge 5 LB Carbon Dioxide Portable Fire Extinguisher	9.94	
10 44 16 13-0025	EA	Recharge 10 LB Carbon Dioxide Portable Fire Extinguisher	10.33	
10 44 16 13-0026	EA	Recharge 15 LB Carbon Dioxide Portable Fire Extinguisher	11.70	
10 44 16 13-0027	EA	Recharge 20 LB Carbon Dioxide Portable Fire Extinguisher	13.51	
10 44 16 13-0028		**Recharge Dry Chemical, Class ABC Portable Fire Extinguishers** *(10 44 16 13-0021)*		
10 44 16 13-0029	EA	Recharge 2.5 LB Dry Chemical Portable Fire Extinguisher	10.79	
10 44 16 13-0030	EA	Recharge 5 LB Dry Chemical Portable Fire Extinguisher	13.06	
10 44 16 13-0031	EA	Recharge 10 LB Dry Chemical Portable Fire Extinguisher	18.45	
10 44 16 13-0032	EA	Recharge 20 LB Dry Chemical Portable Fire Extinguisher	29.13	
10 44 16 13-0033		**Recharge Other Portable Fire Extinguishers** *(10 44 16 13-0021)*		
10 44 16 13-0034	EA	Recharge 2.5 Gallon Pressurized Water Portable Fire Extinguisher	10.67	
10 44 16 13-0035	EA	Recharge 1.6 Gallon Wet Chemical Class K Fire Extinguisher	76.08	
10 44 16 13-0036	EA	Recharge 2.5 Gallon Wet Chemical Class K Fire Extinguisher	106.51	
10 44 16 13-0037	EA	Recharge 30 LB Dry Powder Class D Portable Fire Extinguisher	43.85	
10 44 16 13-0038		**Fire Extinguisher Backboards** *(10 44 16 13)*		
10 44 16 13-0039		**Fire Extinguisher Backboards** *(10 44 16 13-0038)* Note: Mounted to any wall. Includes anchors.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 16 13-0040	EA	Red Painted 1/2" x 12" x 40" Beveled Edge Plywood Fire Extinguisher Backboard	87.02	13.43
10 44 16 13-0041	EA	Relocate Fire Extinguisher Wood Backboard, Any Size Note: Includes storage and cleaning.	118.48	

10 44 16 13-0042 Inspections And Testing *(10 44 16 13)*

10 44 16 13-0043	EA	On Site Fire Extinguisher Annual Inspection (Tag)	9.65	
10 44 16 13-0044	EA	On Site Fire Extinguisher Hydrotest	14.19	

10 44 19 Fire Blankets *(10 44)*

10 44 19 00-0001	EA	Vertical Roller Type Fire Blanket Cabinet (JL Industries 1FB) Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.	316.02	32.10
10 44 19 00-0002	EA	Drop Type Fire Blanket Cabinet (JL Industries 2FB) Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.	234.00	32.10

10 50 Storage Specialties *(10)*

10 51 Lockers *(10 50)*

10 51 13 Metal Lockers *(10 51)*

10 51 13 00-0001 Institutional And Corridor Lockers *(10 51 13)*

Note: Price per frame. Includes baked enamel 24 gauge solid body components and 6" legs. Excludes slope top, base fillers, and locks.

10 51 13 00-0002 Single Tier Institutional Or Corridor Locker *(10 51 13 00-0001)*

Note: Includes one hat shelf, three single hooks and one double hook.

10 51 13 00-0003	EA	12" x 12" x 60" Single Tier Institutional Or Corridor Locker	159.37	24.28
		For >25 To 50, Deduct	*-5.54*	
		For >50 To 100, Deduct	*-11.81*	
		For >100, Deduct	*-18.08*	
		For 14 Gauge Doors, Add	*8.87*	
10 51 13 00-0004	EA	12" x 15" x 60" Single Tier Institutional Or Corridor Locker	165.24	24.28
		For >25 To 50, Deduct	*-5.83*	
		For >50 To 100, Deduct	*-12.40*	
		For >100, Deduct	*-18.96*	
		For 14 Gauge Doors, Add	*9.34*	
10 51 13 00-0005	EA	12" x 18" x 60" Single Tier Institutional Or Corridor Locker	173.27	24.28
		For >25 To 50, Deduct	*-6.24*	
		For >50 To 100, Deduct	*-13.20*	
		For >100, Deduct	*-20.16*	
		For 14 Gauge Doors, Add	*9.98*	
10 51 13 00-0006	EA	12" x 12" x 72" Single Tier Institutional Or Corridor Locker	173.11	25.06
		For >25 To 50, Deduct	*-6.15*	
		For >50 To 100, Deduct	*-13.05*	
		For >100, Deduct	*-19.95*	
		For 14 Gauge Doors, Add	*9.84*	
10 51 13 00-0007	EA	12" x 15" x 72" Single Tier Institutional Or Corridor Locker	177.98	25.06
		For >25 To 50, Deduct	*-6.39*	
		For >50 To 100, Deduct	*-13.54*	
		For >100, Deduct	*-20.68*	
		For 14 Gauge Doors, Add	*10.23*	
10 51 13 00-0008	EA	12" x 18" x 72" Single Tier Institutional Or Corridor Locker	182.72	25.06
		For >25 To 50, Deduct	*-6.63*	
		For >50 To 100, Deduct	*-14.01*	
		For >100, Deduct	*-21.39*	
		For 14 Gauge Doors, Add	*10.61*	
10 51 13 00-0009	EA	15" x 15" x 72" Single Tier Institutional Or Corridor Locker	190.92	25.06
		For >25 To 50, Deduct	*-7.04*	
		For >50 To 100, Deduct	*-14.83*	
		For >100, Deduct	*-22.62*	
		For 14 Gauge Doors, Add	*11.26*	
10 51 13 00-0010	EA	15" x 18" x 72" Single Tier Institutional Or Corridor Locker	199.02	25.06
		For >25 To 50, Deduct	*-7.45*	
		For >50 To 100, Deduct	*-15.64*	
		For >100, Deduct	*-23.84*	
		For 14 Gauge Doors, Add	*11.91*	
10 51 13 00-0011	EA	18" x 18" x 72" Single Tier Institutional Or Corridor Locker	207.61	25.06
		For >25 To 50, Deduct	*-7.88*	
		For >50 To 100, Deduct	*-16.50*	
		For >100, Deduct	*-25.13*	
		For 14 Gauge Doors, Add	*12.60*	
10 51 13 00-0012	EA	18" x 21" x 72" Single Tier Institutional Or Corridor Locker	215.54	25.06
		For >25 To 50, Deduct	*-8.27*	
		For >50 To 100, Deduct	*-17.29*	
		For >100, Deduct	*-26.32*	
		For 14 Gauge Doors, Add	*13.23*	
10 51 13 00-0013	EA	24" x 24" x 72" Single Tier Institutional Or Corridor Locker	287.99	25.06
		For >25 To 50, Deduct	*-11.89*	
		For >50 To 100, Deduct	*-24.54*	
		For >100, Deduct	*-37.19*	
		For 14 Gauge Doors, Add	*19.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0014		Two Tier Institutional Or Corridor Locker *(10 51 13 00-0001)*		
		Note: Includes three single hooks and one double hook per tier.		
10 51 13 00-0015	EA	12" x 12" x 60" Two Tier Institutional Or Corridor Locker	186.81	25.06
		For >25 To 50, Deduct	*-6.84*	
		For >50 To 100, Deduct	*-14.42*	
		For >100, Deduct	*-22.01*	
		For 14 Gauge Doors, Add	*15.04*	
10 51 13 00-0016	EA	12" x 15" x 60" Two Tier Institutional Or Corridor Locker	190.51	25.06
		For >25 To 50, Deduct	*-7.02*	
		For >50 To 100, Deduct	*-14.79*	
		For >100, Deduct	*-22.56*	
		For 14 Gauge Doors, Add	*15.44*	
10 51 13 00-0017	EA	12" x 18" x 60" Two Tier Institutional Or Corridor Locker	194.24	25.06
		For >25 To 50, Deduct	*-7.21*	
		For >50 To 100, Deduct	*-15.16*	
		For >100, Deduct	*-23.12*	
		For 14 Gauge Doors, Add	*15.85*	
10 51 13 00-0018	EA	12" x 12" x 72" Two Tier Institutional Or Corridor Locker	195.18	25.83
		For >25 To 50, Deduct	*-7.18*	
		For >50 To 100, Deduct	*-15.13*	
		For >100, Deduct	*-23.08*	
		For 14 Gauge Doors, Add	*15.79*	
10 51 13 00-0019	EA	12" x 15" x 72" Two Tier Institutional Or Corridor Locker	203.26	25.83
		For >25 To 50, Deduct	*-7.58*	
		For >50 To 100, Deduct	*-15.93*	
		For >100, Deduct	*-24.29*	
		For 14 Gauge Doors, Add	*16.67*	
10 51 13 00-0020	EA	12" x 18" x 72" Two Tier Institutional Or Corridor Locker	208.14	25.83
		For >25 To 50, Deduct	*-7.82*	
		For >50 To 100, Deduct	*-16.42*	
		For >100, Deduct	*-25.02*	
		For 14 Gauge Doors, Add	*17.21*	
10 51 13 00-0021	EA	15" x 15" x 72" Two Tier Institutional Or Corridor Locker	215.14	25.83
		For >25 To 50, Deduct	*-8.17*	
		For >50 To 100, Deduct	*-17.12*	
		For >100, Deduct	*-26.07*	
		For 14 Gauge Doors, Add	*17.98*	
10 51 13 00-0022	EA	15" x 18" x 72" Two Tier Institutional Or Corridor Locker	222.17	25.83
		For >25 To 50, Deduct	*-8.52*	
		For >50 To 100, Deduct	*-17.82*	
		For >100, Deduct	*-27.12*	
		For 14 Gauge Doors, Add	*18.75*	
10 51 13 00-0023	EA	18" x 18" x 72" Two Tier Institutional Or Corridor Locker	253.97	25.83
		For >25 To 50, Deduct	*-10.11*	
		For >50 To 100, Deduct	*-21.00*	
		For >100, Deduct	*-31.89*	
		For 14 Gauge Doors, Add	*22.25*	
10 51 13 00-0024	EA	18" x 21" x 72" Two Tier Institutional Or Corridor Locker	259.74	25.83
		For >25 To 50, Deduct	*-10.40*	
		For >50 To 100, Deduct	*-21.58*	
		For >100, Deduct	*-32.76*	
		For 14 Gauge Doors, Add	*22.89*	
10 51 13 00-0025		Three Tier Institutional Or Corridor Locker *(10 51 13 00-0001)*		
		Note: Includes one double hook per tier.		
10 51 13 00-0026	EA	12" x 12" x 72" Three Tier Institutional Or Corridor Locker	218.22	26.62
		For >25 To 50, Deduct	*-8.25*	
		For >50 To 100, Deduct	*-17.30*	
		For >100, Deduct	*-26.34*	
		For 14 Gauge Doors, Add	*24.75*	
10 51 13 00-0027	EA	12" x 15" x 72" Three Tier Institutional Or Corridor Locker	222.01	26.62
		For >25 To 50, Deduct	*-8.44*	
		For >50 To 100, Deduct	*-17.67*	
		For >100, Deduct	*-26.91*	
		For 14 Gauge Doors, Add	*25.31*	
10 51 13 00-0028	EA	12" x 18" x 72" Three Tier Institutional Or Corridor Locker	235.51	26.62
		For >25 To 50, Deduct	*-9.11*	
		For >50 To 100, Deduct	*-19.02*	
		For >100, Deduct	*-28.94*	
		For 14 Gauge Doors, Add	*27.34*	
10 51 13 00-0029	EA	15" x 15" x 72" Three Tier Institutional Or Corridor Locker	248.44	26.62
		For >25 To 50, Deduct	*-9.76*	
		For >50 To 100, Deduct	*-20.32*	
		For >100, Deduct	*-30.88*	
		For 14 Gauge Doors, Add	*29.28*	
10 51 13 00-0030	EA	15" x 18" x 72" Three Tier Institutional Or Corridor Locker	258.73	26.62
		For >25 To 50, Deduct	*-10.27*	
		For >50 To 100, Deduct	*-21.35*	
		For >100, Deduct	*-32.42*	
		For 14 Gauge Doors, Add	*30.82*	
10 51 13 00-0031		Four Tier Institutional Or Corridor Locker *(10 51 13 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0032	EA	12" x 12" x 72" Four Tier Institutional Or Corridor Locker	214.70	27.41
		For >25 To 50, Deduct	*-7.99*	
		For >50 To 100, Deduct	*-16.81*	
		For >100, Deduct	*-25.63*	
10 51 13 00-0033	EA	12" x 15" x 72" Four Tier Institutional Or Corridor Locker	221.33	27.41
		For >25 To 50, Deduct	*-8.33*	
		For >50 To 100, Deduct	*-17.47*	
		For >100, Deduct	*-26.62*	
10 51 13 00-0034	EA	12" x 18" x 72" Four Tier Institutional Or Corridor Locker	231.99	27.41
		For >25 To 50, Deduct	*-8.86*	
		For >50 To 100, Deduct	*-18.54*	
		For >100, Deduct	*-28.22*	
10 51 13 00-0035	EA	15" x 15" x 72" Four Tier Institutional Or Corridor Locker	240.52	27.41
		For >25 To 50, Deduct	*-9.29*	
		For >50 To 100, Deduct	*-19.39*	
		For >100, Deduct	*-29.50*	
10 51 13 00-0036	EA	15" x 18" x 72" Four Tier Institutional Or Corridor Locker	252.81	27.41
		For >25 To 50, Deduct	*-9.90*	
		For >50 To 100, Deduct	*-20.62*	
		For >100, Deduct	*-31.34*	
10 51 13 00-0037		**Six Tier Institutional Or Corridor Locker** *(10 51 13 00-0001)*		
10 51 13 00-0038	EA	12" x 12" x 72" Six Tier Institutional Or Corridor Locker	232.94	28.19
		For >25 To 50, Deduct	*-8.83*	
		For >50 To 100, Deduct	*-18.50*	
		For >100, Deduct	*-28.18*	
10 51 13 00-0039	EA	12" x 15" x 72" Six Tier Institutional Or Corridor Locker	238.05	28.19
		For >25 To 50, Deduct	*-9.08*	
		For >50 To 100, Deduct	*-19.01*	
		For >100, Deduct	*-28.94*	
10 51 13 00-0040	EA	12" x 18" x 72" Six Tier Institutional Or Corridor Locker	247.70	28.19
		For >25 To 50, Deduct	*-9.57*	
		For >50 To 100, Deduct	*-19.98*	
		For >100, Deduct	*-30.39*	
10 51 13 00-0041		**Locker And Coat Rack Combination** *(10 51 13 00-0001)*		
10 51 13 00-0042	EA	45" x 18" x 12", 4 Person Wall Mount Locker And Coat Rack Combination	417.56	18.79
10 51 13 00-0043	EA	72" x 18" x 78", 16 Person Locker And Coat Rack Combination	671.32	39.15
10 51 13 00-0044		**All-Welded Steel Lockers** *(10 51 13)*		
10 51 13 00-0045		**All-Welded Steel Lockers** *(10 51 13 00-0044)*		
		Note: Price per frame. Includes diamond perforated, standard louvered or solid doors and sides. Includes all-welded construction with 16 gauge solid top, bottom, and shelves, 14 gauge doors and 4" legs. Includes electrostatically applied enamel powder coat paint finish. Excludes slope top, base fillers, and locks.		
10 51 13 00-0046		**Single Tier, All-Welded Steel Lockers** *(10 51 13 00-0045)*		
		Note: Includes one hat shelf, two single hooks and one double hook.		
10 51 13 00-0047	EA	12" x 12" x 48" Single Tier, All-Welded Steel Locker	241.69	13.71
		For >25 To 50, Deduct	*-11.11*	
		For >50 To 100, Deduct	*-22.51*	
		For >100, Deduct	*-33.91*	
10 51 13 00-0048	EA	12" x 15" x 48" Single Tier, All-Welded Steel Locker	254.81	13.71
		For >25 To 50, Deduct	*-11.76*	
		For >50 To 100, Deduct	*-23.82*	
		For >100, Deduct	*-35.87*	
10 51 13 00-0049	EA	12" x 18" x 48" Single Tier, All-Welded Steel Locker	267.43	13.71
		For >25 To 50, Deduct	*-12.39*	
		For >50 To 100, Deduct	*-25.08*	
		For >100, Deduct	*-37.77*	
10 51 13 00-0050	EA	12" x 12" x 60" Single Tier, All-Welded Steel Locker	252.52	13.71
		For >25 To 50, Deduct	*-11.65*	
		For >50 To 100, Deduct	*-23.59*	
		For >100, Deduct	*-35.53*	
10 51 13 00-0051	EA	12" x 15" x 60" Single Tier, All-Welded Steel Locker	265.14	13.71
		For >25 To 50, Deduct	*-12.28*	
		For >50 To 100, Deduct	*-24.85*	
		For >100, Deduct	*-37.42*	
10 51 13 00-0052	EA	12" x 18" x 60" Single Tier, All-Welded Steel Locker	277.76	13.71
		For >25 To 50, Deduct	*-12.91*	
		For >50 To 100, Deduct	*-26.11*	
		For >100, Deduct	*-39.32*	
10 51 13 00-0053	EA	12" x 12" x 72" Single Tier, All-Welded Steel Locker	266.17	15.08
		For >25 To 50, Deduct	*-12.23*	
		For >50 To 100, Deduct	*-24.79*	
		For >100, Deduct	*-37.34*	
10 51 13 00-0054	EA	12" x 15" x 72" Single Tier, All-Welded Steel Locker	277.85	15.08
		For >25 To 50, Deduct	*-12.82*	
		For >50 To 100, Deduct	*-25.95*	
		For >100, Deduct	*-39.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0055	EA	12" x 18" x 72" Single Tier, All-Welded Steel Locker	290.47	15.08
		For >25 To 50, Deduct	*-13.45*	
		For >50 To 100, Deduct	*-27.22*	
		For >100, Deduct	*-40.99*	
10 51 13 00-0056	EA	15" x 15" x 72" Single Tier, All-Welded Steel Locker	302.28	15.08
		For >25 To 50, Deduct	*-14.04*	
		For >50 To 100, Deduct	*-28.40*	
		For >100, Deduct	*-42.76*	
10 51 13 00-0057	EA	15" x 18" x 72" Single Tier, All-Welded Steel Locker	312.00	15.08
		For >25 To 50, Deduct	*-14.52*	
		For >50 To 100, Deduct	*-29.37*	
		For >100, Deduct	*-44.22*	
10 51 13 00-0058	EA	18" x 18" x 72" Single Tier, All-Welded Steel Locker	325.42	15.08
		For >25 To 50, Deduct	*-15.19*	
		For >50 To 100, Deduct	*-30.71*	
		For >100, Deduct	*-46.23*	
10 51 13 00-0059	EA	18" x 21" x 72" Single Tier, All-Welded Steel Locker	340.51	15.08
		For >25 To 50, Deduct	*-15.95*	
		For >50 To 100, Deduct	*-32.22*	
		For >100, Deduct	*-48.49*	
10 51 13 00-0060	EA	24" x 24" x 72" Single Tier, All-Welded Steel Locker	567.82	15.08
		For >25 To 50, Deduct	*-27.31*	
		For >50 To 100, Deduct	*-54.95*	
		For >100, Deduct	*-82.59*	

10 51 13 00-0061 Two Tier, All-Welded Steel Lockers *(10 51 13 00-0045)*

Note: Includes two single hooks and one double hook per tier.

10 51 13 00-0062	EA	12" x 12" x 60" Two Tier, All-Welded Steel Locker	293.44	13.71
		For >25 To 50, Deduct	*-13.69*	
		For >50 To 100, Deduct	*-27.68*	
		For >100, Deduct	*-41.67*	
10 51 13 00-0063	EA	12" x 15" x 60" Two Tier, All-Welded Steel Locker	299.23	13.71
		For >25 To 50, Deduct	*-13.98*	
		For >50 To 100, Deduct	*-28.26*	
		For >100, Deduct	*-42.54*	
10 51 13 00-0064	EA	12" x 18" x 60" Two Tier, All-Welded Steel Locker	314.78	13.71
		For >25 To 50, Deduct	*-14.76*	
		For >50 To 100, Deduct	*-29.81*	
		For >100, Deduct	*-44.87*	
10 51 13 00-0065	EA	12" x 12" x 72" Two Tier, All-Welded Steel Locker	305.08	15.08
		For >25 To 50, Deduct	*-14.18*	
		For >50 To 100, Deduct	*-28.68*	
		For >100, Deduct	*-43.18*	
10 51 13 00-0066	EA	12" x 15" x 72" Two Tier, All-Welded Steel Locker	326.51	15.08
		For >25 To 50, Deduct	*-15.25*	
		For >50 To 100, Deduct	*-30.82*	
		For >100, Deduct	*-46.39*	
10 51 13 00-0067	EA	12" x 18" x 72" Two Tier, All-Welded Steel Locker	338.19	15.08
		For >25 To 50, Deduct	*-15.83*	
		For >50 To 100, Deduct	*-31.99*	
		For >100, Deduct	*-48.14*	
10 51 13 00-0068	EA	15" x 15" x 72" Two Tier, All-Welded Steel Locker	354.84	15.08
		For >25 To 50, Deduct	*-16.67*	
		For >50 To 100, Deduct	*-33.65*	
		For >100, Deduct	*-50.64*	
10 51 13 00-0069	EA	15" x 18" x 72" Two Tier, All-Welded Steel Locker	362.68	15.08
		For >25 To 50, Deduct	*-17.06*	
		For >50 To 100, Deduct	*-34.44*	
		For >100, Deduct	*-51.82*	
10 51 13 00-0070	EA	18" x 18" x 72" Two Tier, All-Welded Steel Locker	385.27	15.08
		For >25 To 50, Deduct	*-18.19*	
		For >50 To 100, Deduct	*-36.70*	
		For >100, Deduct	*-55.21*	
10 51 13 00-0071	EA	18" x 21" x 72" Two Tier, All-Welded Steel Locker	402.77	15.08
		For >25 To 50, Deduct	*-19.06*	
		For >50 To 100, Deduct	*-38.45*	
		For >100, Deduct	*-57.83*	

10 51 13 00-0072 Three Tier, All-Welded Steel Lockers *(10 51 13 00-0045)*

Note: Includes two single hooks and one double hook per tier.

10 51 13 00-0073	EA	12" x 12" x 72" Three Tier, All-Welded Steel Locker	365.45	15.08
		For >25 To 50, Deduct	*-17.20*	
		For >50 To 100, Deduct	*-34.71*	
		For >100, Deduct	*-52.23*	
10 51 13 00-0074	EA	12" x 15" x 72" Three Tier, All-Welded Steel Locker	374.23	15.08
		For >25 To 50, Deduct	*-17.63*	
		For >50 To 100, Deduct	*-35.59*	
		For >100, Deduct	*-53.55*	
10 51 13 00-0075	EA	12" x 18" x 72" Three Tier, All-Welded Steel Locker	382.95	15.08
		For >25 To 50, Deduct	*-18.07*	
		For >50 To 100, Deduct	*-36.46*	
		For >100, Deduct	*-54.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0076	EA	15" x 15" x 72" Three Tier, All-Welded Steel Locker	403.60	15.08
		For >25 To 50, Deduct	*-19.10*	
		For >50 To 100, Deduct	*-38.53*	
		For >100, Deduct	*-57.96*	
10 51 13 00-0077	EA	15" x 18" x 72" Three Tier, All-Welded Steel Locker	407.41	15.08
		For >25 To 50, Deduct	*-19.29*	
		For >50 To 100, Deduct	*-38.91*	
		For >100, Deduct	*-58.53*	
10 51 13 00-0078		**Four Tier, All-Welded Steel Lockers** *(10 51 13 00-0045)*		
10 51 13 00-0079	EA	12" x 12" x 72" Four Tier, All-Welded Steel Locker	344.62	15.08
		For >25 To 50, Deduct	*-16.15*	
		For >50 To 100, Deduct	*-32.63*	
		For >100, Deduct	*-49.11*	
10 51 13 00-0080	EA	12" x 15" x 72" Four Tier, All-Welded Steel Locker	352.91	15.08
		For >25 To 50, Deduct	*-16.57*	
		For >50 To 100, Deduct	*-33.46*	
		For >100, Deduct	*-50.35*	
10 51 13 00-0081	EA	12" x 18" x 72" Four Tier, All-Welded Steel Locker	361.15	15.08
		For >25 To 50, Deduct	*-16.98*	
		For >50 To 100, Deduct	*-34.28*	
		For >100, Deduct	*-51.59*	
10 51 13 00-0082	EA	15" x 15" x 72" Four Tier, All-Welded Steel Locker	380.58	15.08
		For >25 To 50, Deduct	*-17.95*	
		For >50 To 100, Deduct	*-36.23*	
		For >100, Deduct	*-54.50*	
10 51 13 00-0083	EA	15" x 18" x 72" Four Tier, All-Welded Steel Locker	384.12	15.08
		For >25 To 50, Deduct	*-18.13*	
		For >50 To 100, Deduct	*-36.58*	
		For >100, Deduct	*-55.03*	
10 51 13 00-0084		**Six Tier, All-Welded Steel Lockers** *(10 51 13 00-0045)*		
10 51 13 00-0085	EA	12" x 12" x 72" Six Tier, All-Welded Steel Locker	357.52	15.08
		For >25 To 50, Deduct	*-16.80*	
		For >50 To 100, Deduct	*-33.92*	
		For >100, Deduct	*-51.04*	
10 51 13 00-0086	EA	12" x 15" x 72" Six Tier, All-Welded Steel Locker	369.62	15.08
		For >25 To 50, Deduct	*-17.40*	
		For >50 To 100, Deduct	*-35.13*	
		For >100, Deduct	*-52.86*	
10 51 13 00-0087	EA	12" x 18" x 72" Six Tier, All-Welded Steel Locker	378.53	15.08
		For >25 To 50, Deduct	*-17.85*	
		For >50 To 100, Deduct	*-36.02*	
		For >100, Deduct	*-54.19*	
10 51 13 00-0088		**All Welded Locker Accessories** *(10 51 13 00-0044)*		
10 51 13 00-0089	EA	ADA Requirements For All Welded Lockers	63.77	
10 51 13 00-0090	EA	Solid Boxed End Panel For 12" Deep All Welded Lockers	104.64	3.13
10 51 13 00-0091	EA	Solid Boxed End Panel For 15" Deep All Welded Lockers	121.04	3.13
10 51 13 00-0092	EA	Recessed Trim For All Welded Lockers	74.28	3.13
10 51 13 00-0093	EA	Built In Combination Lock For All Welded Lockers	25.93	3.13
10 51 13 00-0094	EA	Pad Lock For All Welded Lockers	21.44	3.13
10 51 13 00-0095		**Athletic Lockers** *(10 51 13)* Note: Price per frame. Includes baked enamel paint, diamond perforated doors and sides, 16 gauge solid top, bottom, and shelves and 6" legs. Excludes slope top, base fillers, and locks.		
10 51 13 00-0096		**Single Tier Athletic Locker** *(10 51 13 00-0095)* Note: Includes one hat shelf, three single hooks and one double hook.		
10 51 13 00-0097	EA	12" x 15" x 60" Single Tier Athletic Locker	234.53	25.06
		For >25 To 50, Deduct	*-9.22*	
		For >50 To 100, Deduct	*-19.19*	
		For >100, Deduct	*-29.17*	
10 51 13 00-0098	EA	12" x 18" x 60" Single Tier Athletic Locker	242.32	25.06
		For >25 To 50, Deduct	*-9.61*	
		For >50 To 100, Deduct	*-19.97*	
		For >100, Deduct	*-30.33*	
10 51 13 00-0099	EA	15" x 15" x 60" Single Tier Athletic Locker	247.33	25.06
		For >25 To 50, Deduct	*-9.86*	
		For >50 To 100, Deduct	*-20.47*	
		For >100, Deduct	*-31.09*	
10 51 13 00-0100	EA	15" x 18" x 60" Single Tier Athletic Locker	255.64	25.06
		For >25 To 50, Deduct	*-10.28*	
		For >50 To 100, Deduct	*-21.30*	
		For >100, Deduct	*-32.33*	
10 51 13 00-0101	EA	18" x 18" x 60" Single Tier Athletic Locker	291.51	25.06
		For >25 To 50, Deduct	*-12.07*	
		For >50 To 100, Deduct	*-24.89*	
		For >100, Deduct	*-37.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0102	EA	18" x 21" x 60" Single Tier Athletic Locker	320.02	25.06
		For >25 To 50, Deduct	*-13.50*	
		For >50 To 100, Deduct	*-27.74*	
		For >100, Deduct	*-41.99*	
10 51 13 00-0103	EA	18" x 24" x 60" Single Tier Athletic Locker	339.53	25.06
		For >25 To 50, Deduct	*-14.47*	
		For >50 To 100, Deduct	*-29.69*	
		For >100, Deduct	*-44.92*	
10 51 13 00-0104	EA	12" x 15" x 72" Single Tier Athletic Locker	243.17	25.06
		For >25 To 50, Deduct	*-9.65*	
		For >50 To 100, Deduct	*-20.06*	
		For >100, Deduct	*-30.46*	
10 51 13 00-0105	EA	12" x 18" x 72" Single Tier Athletic Locker	257.20	25.06
		For >25 To 50, Deduct	*-10.35*	
		For >50 To 100, Deduct	*-21.46*	
		For >100, Deduct	*-32.57*	
10 51 13 00-0106	EA	15" x 15" x 72" Single Tier Athletic Locker	262.13	25.06
		For >25 To 50, Deduct	*-10.60*	
		For >50 To 100, Deduct	*-21.95*	
		For >100, Deduct	*-33.31*	
10 51 13 00-0107	EA	15" x 18" x 72" Single Tier Athletic Locker	271.14	25.06
		For >25 To 50, Deduct	*-11.05*	
		For >50 To 100, Deduct	*-22.85*	
		For >100, Deduct	*-34.66*	
10 51 13 00-0108	EA	18" x 18" x 72" Single Tier Athletic Locker	293.35	25.06
		For >25 To 50, Deduct	*-12.16*	
		For >50 To 100, Deduct	*-25.08*	
		For >100, Deduct	*-37.99*	
10 51 13 00-0109	EA	18" x 21" x 72" Single Tier Athletic Locker	316.62	25.06
		For >25 To 50, Deduct	*-13.33*	
		For >50 To 100, Deduct	*-27.40*	
		For >100, Deduct	*-41.48*	

10 51 13 00-0110 Two Tier Athletic Locker *(10 51 13 00-0095)*

Note: Includes three single hooks and one double hook per tier.

10 51 13 00-0111	EA	12" x 12" x 60" Two Tier Athletic Locker	262.11	25.83
		For >25 To 50, Deduct	*-10.52*	
		For >50 To 100, Deduct	*-21.82*	
		For >100, Deduct	*-33.11*	
10 51 13 00-0112	EA	12" x 15" x 60" Two Tier Athletic Locker	270.40	25.83
		For >25 To 50, Deduct	*-10.94*	
		For >50 To 100, Deduct	*-22.65*	
		For >100, Deduct	*-34.36*	
10 51 13 00-0113	EA	12" x 18" x 60" Two Tier Athletic Locker	279.73	25.83
		For >25 To 50, Deduct	*-11.40*	
		For >50 To 100, Deduct	*-23.58*	
		For >100, Deduct	*-35.76*	
10 51 13 00-0114	EA	15" x 15" x 60" Two Tier Athletic Locker	280.64	25.83
		For >25 To 50, Deduct	*-11.45*	
		For >50 To 100, Deduct	*-23.67*	
		For >100, Deduct	*-35.89*	
10 51 13 00-0115	EA	15" x 18" x 60" Two Tier Athletic Locker	282.58	25.83
		For >25 To 50, Deduct	*-11.55*	
		For >50 To 100, Deduct	*-23.87*	
		For >100, Deduct	*-36.19*	
10 51 13 00-0116	EA	18" x 18" x 60" Two Tier Athletic Locker	298.98	25.83
		For >25 To 50, Deduct	*-12.37*	
		For >50 To 100, Deduct	*-25.51*	
		For >100, Deduct	*-38.65*	
10 51 13 00-0117	EA	18" x 21" x 60" Two Tier Athletic Locker	310.99	25.83
		For >25 To 50, Deduct	*-12.97*	
		For >50 To 100, Deduct	*-26.71*	
		For >100, Deduct	*-40.45*	
10 51 13 00-0118	EA	18" x 24" x 60" Two Tier Athletic Locker	364.62	25.83
		For >25 To 50, Deduct	*-15.65*	
		For >50 To 100, Deduct	*-32.07*	
		For >100, Deduct	*-48.49*	
10 51 13 00-0119	EA	12" x 12" x 72" Two Tier Athletic Locker	271.08	25.83
		For >25 To 50, Deduct	*-10.97*	
		For >50 To 100, Deduct	*-22.72*	
		For >100, Deduct	*-34.46*	
10 51 13 00-0120	EA	12" x 15" x 72" Two Tier Athletic Locker	279.57	25.83
		For >25 To 50, Deduct	*-11.39*	
		For >50 To 100, Deduct	*-23.56*	
		For >100, Deduct	*-35.73*	
10 51 13 00-0121	EA	12" x 18" x 72" Two Tier Athletic Locker	291.15	25.83
		For >25 To 50, Deduct	*-11.97*	
		For >50 To 100, Deduct	*-24.72*	
		For >100, Deduct	*-37.47*	
10 51 13 00-0122	EA	15" x 15" x 72" Two Tier Athletic Locker	292.90	25.83
		For >25 To 50, Deduct	*-12.06*	
		For >50 To 100, Deduct	*-24.90*	
		For >100, Deduct	*-37.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0123	EA	15" x 18" x 72" Two Tier Athletic Locker	302.42	25.83
		For >25 To 50, Deduct	*-12.54*	
		For >50 To 100, Deduct	*-25.85*	
		For >100, Deduct	*-39.16*	
10 51 13 00-0124	EA	18" x 18" x 72" Two Tier Athletic Locker	314.10	25.83
		For >25 To 50, Deduct	*-13.12*	
		For >50 To 100, Deduct	*-27.02*	
		For >100, Deduct	*-40.91*	
10 51 13 00-0125	EA	18" x 21" x 72" Two Tier Athletic Locker	340.33	25.83
		For >25 To 50, Deduct	*-14.43*	
		For >50 To 100, Deduct	*-29.64*	
		For >100, Deduct	*-44.85*	

10 51 13 00-0126 Three Tier Athletic Locker *(10 51 13 00-0095)*

Note: Includes one double hook per tier.

10 51 13 00-0127	EA	12" x 12" x 60" Three Tier Athletic Locker	283.64	26.62
		For >25 To 50, Deduct	*-11.52*	
		For >50 To 100, Deduct	*-23.84*	
		For >100, Deduct	*-36.16*	
10 51 13 00-0128	EA	12" x 15" x 60" Three Tier Athletic Locker	297.08	26.62
		For >25 To 50, Deduct	*-12.19*	
		For >50 To 100, Deduct	*-25.18*	
		For >100, Deduct	*-38.17*	
10 51 13 00-0129	EA	12" x 18" x 60" Three Tier Athletic Locker	308.96	26.62
		For >25 To 50, Deduct	*-12.79*	
		For >50 To 100, Deduct	*-26.37*	
		For >100, Deduct	*-39.95*	
10 51 13 00-0130	EA	15" x 15" x 60" Three Tier Athletic Locker	317.03	26.62
		For >25 To 50, Deduct	*-13.19*	
		For >50 To 100, Deduct	*-27.18*	
		For >100, Deduct	*-41.16*	
10 51 13 00-0131	EA	15" x 18" x 60" Three Tier Athletic Locker	330.46	26.62
		For >25 To 50, Deduct	*-13.86*	
		For >50 To 100, Deduct	*-28.52*	
		For >100, Deduct	*-43.18*	
10 51 13 00-0132	EA	12" x 12" x 72" Three Tier Athletic Locker	298.95	26.62
		For >25 To 50, Deduct	*-12.29*	
		For >50 To 100, Deduct	*-25.37*	
		For >100, Deduct	*-38.45*	
10 51 13 00-0133	EA	12" x 15" x 72" Three Tier Athletic Locker	311.09	26.62
		For >25 To 50, Deduct	*-12.89*	
		For >50 To 100, Deduct	*-26.58*	
		For >100, Deduct	*-40.27*	
10 51 13 00-0134	EA	12" x 18" x 72" Three Tier Athletic Locker	327.83	26.62
		For >25 To 50, Deduct	*-13.73*	
		For >50 To 100, Deduct	*-28.26*	
		For >100, Deduct	*-42.78*	
10 51 13 00-0135	EA	15" x 15" x 72" Three Tier Athletic Locker	336.40	26.62
		For >25 To 50, Deduct	*-14.16*	
		For >50 To 100, Deduct	*-29.11*	
		For >100, Deduct	*-44.07*	
10 51 13 00-0136	EA	15" x 18" x 72" Three Tier Athletic Locker	349.26	26.62
		For >25 To 50, Deduct	*-14.80*	
		For >50 To 100, Deduct	*-30.40*	
		For >100, Deduct	*-46.00*	

10 51 13 00-0137 Four Tier Athletic Locker *(10 51 13 00-0095)*

10 51 13 00-0138	EA	12" x 12" x 60" Four Tier Athletic Locker	262.29	27.41
		For >25 To 50, Deduct	*-10.37*	
		For >50 To 100, Deduct	*-21.57*	
		For >100, Deduct	*-32.77*	
10 51 13 00-0139	EA	12" x 15" x 60" Four Tier Athletic Locker	278.74	27.41
		For >25 To 50, Deduct	*-11.20*	
		For >50 To 100, Deduct	*-23.22*	
		For >100, Deduct	*-35.23*	
10 51 13 00-0140	EA	12" x 18" x 60" Four Tier Athletic Locker	295.20	27.41
		For >25 To 50, Deduct	*-12.02*	
		For >50 To 100, Deduct	*-24.86*	
		For >100, Deduct	*-37.70*	
10 51 13 00-0141	EA	15" x 15" x 60" Four Tier Athletic Locker	301.92	27.41
		For >25 To 50, Deduct	*-12.36*	
		For >50 To 100, Deduct	*-25.53*	
		For >100, Deduct	*-38.71*	
10 51 13 00-0142	EA	15" x 18" x 60" Four Tier Athletic Locker	328.95	27.41
		For >25 To 50, Deduct	*-13.71*	
		For >50 To 100, Deduct	*-28.24*	
		For >100, Deduct	*-42.77*	
10 51 13 00-0143	EA	12" x 12" x 72" Four Tier Athletic Locker	279.03	27.41
		For >25 To 50, Deduct	*-11.21*	
		For >50 To 100, Deduct	*-23.24*	
		For >100, Deduct	*-35.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0144	EA	12" x 15" x 72" Four Tier Athletic Locker	295.72	27.41
		For >25 To 50, Deduct	*-12.05*	
		For >50 To 100, Deduct	*-24.91*	
		For >100, Deduct	*-37.78*	
10 51 13 00-0145	EA	12" x 18" x 72" Four Tier Athletic Locker	312.41	27.41
		For >25 To 50, Deduct	*-12.88*	
		For >50 To 100, Deduct	*-26.58*	
		For >100, Deduct	*-40.28*	
10 51 13 00-0146	EA	15" x 15" x 72" Four Tier Athletic Locker	320.96	27.41
		For >25 To 50, Deduct	*-13.31*	
		For >50 To 100, Deduct	*-27.44*	
		For >100, Deduct	*-41.57*	
10 51 13 00-0147	EA	15" x 18" x 72" Four Tier Athletic Locker	327.37	27.41
		For >25 To 50, Deduct	*-13.63*	
		For >50 To 100, Deduct	*-28.08*	
		For >100, Deduct	*-42.53*	
10 51 13 00-0148		**Six Tier Athletic Locker** *(10 51 13 00-0095)*		
10 51 13 00-0149	EA	12" x 12" x 72" Six Tier Athletic Locker	308.67	28.19
		For >25 To 50, Deduct	*-12.61*	
		For >50 To 100, Deduct	*-26.07*	
		For >100, Deduct	*-39.53*	
10 51 13 00-0150	EA	12" x 15" x 72" Six Tier Athletic Locker	321.50	28.19
		For >25 To 50, Deduct	*-13.26*	
		For >50 To 100, Deduct	*-27.36*	
		For >100, Deduct	*-41.46*	
10 51 13 00-0151	EA	12" x 18" x 72" Six Tier Athletic Locker	334.29	28.19
		For >25 To 50, Deduct	*-13.90*	
		For >50 To 100, Deduct	*-28.64*	
		For >100, Deduct	*-43.38*	
10 51 13 00-0152	EA	12" x 21" x 72" Six Tier Athletic Locker	381.01	28.19
		For >25 To 50, Deduct	*-16.23*	
		For >50 To 100, Deduct	*-33.31*	
		For >100, Deduct	*-50.39*	
10 51 13 00-0153		**Metal Locker Accessories** *(10 51 13)*		
10 51 13 00-0154		**Locker Slope Tops** *(10 51 13 00-0153)*		
10 51 13 00-0155		**16 Gauge Continuous Sloping Hood** *(10 51 13 00-0154)*		
10 51 13 00-0156	LF	12" Deep, 16 Gauge Continuous Slope Top	19.93	3.13
10 51 13 00-0157	LF	15" Deep, 16 Gauge Continuous Slope Top	17.01	3.13
10 51 13 00-0158	LF	18" Deep, 16 Gauge Continuous Slope Top	22.92	3.13
10 51 13 00-0159	LF	21" Deep, 16 Gauge Continuous Slope Top	25.19	3.13
10 51 13 00-0160	LF	24" Deep, 16 Gauge Continuous Slope Top	26.26	3.13
10 51 13 00-0161		**16 Gauge Slope Top Corner Fillers** *(10 51 13 00-0154)*		
10 51 13 00-0162	EA	12" Deep, 16 Gauge Slope Top Corner Fillers	78.56	3.13
10 51 13 00-0163	EA	15" Deep, 16 Gauge Slope Top Corner Fillers	80.22	3.13
10 51 13 00-0164	EA	18" Deep, 16 Gauge Slope Top Corner Fillers	81.86	3.13
10 51 13 00-0165	EA	21" Deep, 16 Gauge Slope Top Corner Fillers	83.86	3.13
10 51 13 00-0166	EA	24" Deep, 16 Gauge Slope Top Corner Fillers	85.84	3.13
10 51 13 00-0167		**20 Gauge Individual Slope Top** *(10 51 13 00-0154)*		
10 51 13 00-0168	EA	12" Wide x 12" Deep 20 Gauge Individual Slope Top	17.30	3.13
10 51 13 00-0169	EA	12" Wide x 15" Deep 20 Gauge Individual Slope Top	17.19	3.13
10 51 13 00-0170	EA	12" Wide x 18" Deep 20 Gauge Individual Slope Top	18.99	3.13
10 51 13 00-0171	EA	15" Wide x 15" Deep 20 Gauge Individual Slope Top	18.99	3.13
10 51 13 00-0172	EA	15" Wide x 18" Deep 20 Gauge Individual Slope Top	19.42	3.13
10 51 13 00-0173	EA	15" Wide x 21" Deep 20 Gauge Individual Slope Top	21.12	3.13
10 51 13 00-0174	EA	18" Wide x 18" Deep 20 Gauge Individual Slope Top	21.12	3.13
10 51 13 00-0175	EA	18" Wide x 21" Deep 20 Gauge Individual Slope Top	23.35	3.13
10 51 13 00-0176	EA	18" Wide x 24" Deep 20 Gauge Individual Slope Top	26.01	3.13
10 51 13 00-0177		**Continuous Slope Top End Closures** *(10 51 13 00-0154)*		
10 51 13 00-0178	PR	12" Deep, Continuous Slope Top End Closures	18.36	3.13
10 51 13 00-0179	PR	15" Deep, Continuous Slope Top End Closures	15.79	3.13
10 51 13 00-0180	PR	18" Deep, Continuous Slope Top End Closures	20.48	3.13
10 51 13 00-0181	PR	21" Deep, Continuous Slope Top End Closures	21.54	3.13
10 51 13 00-0182	PR	24" Deep, Continuous Slope Top End Closures	22.27	3.13
10 51 13 00-0183		**Individual Slope Top End Closures** *(10 51 13 00-0154)*		
10 51 13 00-0184	EA	12" Deep, Individual Slope Top End Closures	12.31	3.13
10 51 13 00-0185	EA	15" Deep, Individual Slope Top End Closures	12.64	3.13
10 51 13 00-0186	EA	18" Deep, Individual Slope Top End Closures	13.38	3.13
10 51 13 00-0187	EA	21" Deep, Individual Slope Top End Closures	13.89	3.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0188	EA	24" Deep, Individual Slope Top End Closures	19.13	3.13
10 51 13 00-0189		**Locker Base** *(10 51 13 00-0153)*		
10 51 13 00-0190		**Closed Front Base** *(10 51 13 00-0189)*		
10 51 13 00-0191	EA	12" Wide, 6" High Closed Front Base	12.88	3.13
10 51 13 00-0192	EA	15" Wide, 6" High Closed Front Base	13.43	3.13
10 51 13 00-0193	EA	18" Wide, 6" High Closed Front Base	14.59	3.13
10 51 13 00-0194	EA	24" Wide, 6" High Closed Front Base	15.14	3.13
10 51 13 00-0195		**Closed End Base** *(10 51 13 00-0189)*		
10 51 13 00-0196	EA	12" Deep, 6" High Closed End Base	14.42	3.13
10 51 13 00-0197	EA	15" Deep, 6" High Closed End Base	14.51	3.13
10 51 13 00-0198	EA	18" Deep, 6" High Closed End Base	15.26	3.13
10 51 13 00-0199	EA	21" Deep, 6" High Closed End Base	16.00	3.13
10 51 13 00-0200	EA	24" Deep, 6" High Closed End Base	17.00	3.13
10 51 13 00-0201		**Recessed Continuous Front "Z" Base** *(10 51 13 00-0189)*		
10 51 13 00-0202	LF	4" High Recessed Continuous Front "Z" Base	14.77	2.35
10 51 13 00-0203		**"Z" Base Ends Or Splice** *(10 51 13 00-0189)*		
10 51 13 00-0204	EA	12" Wide, 4" High Z-Base Ends Or Splice	15.01	3.13
10 51 13 00-0205	EA	15" Wide, 4" High Z-Base Ends Or Splice	17.19	3.13
10 51 13 00-0206	EA	18" Wide, 4" High Z-Base Ends Or Splice	19.42	3.13
10 51 13 00-0207	EA	21" Wide, 4" High Z-Base Ends Or Splice	21.76	3.13
10 51 13 00-0208	EA	24" Wide, 4" High Z-Base Ends Or Splice	24.09	3.13
10 51 13 00-0209		**Locker Front Fillers And End Panels** *(10 51 13 00-0153)*		
10 51 13 00-0210		**Locker Front Fillers** *(10 51 13 00-0209)*		
10 51 13 00-0211	EA	6" Wide x 48" High, 16 Gauge Front Filler	19.50	3.91
10 51 13 00-0212	EA	12" Wide x 48" High, 16 Gauge Front Filler	30.64	3.91
10 51 13 00-0213	EA	6" Wide x 60" High, 16 Gauge Front Filler	24.08	3.91
10 51 13 00-0214	EA	12" Wide x 60" High, 16 Gauge Front Filler	36.35	3.91
10 51 13 00-0215	EA	6" Wide x 66" High, 16 Gauge Front Filler	26.08	3.91
10 51 13 00-0216	EA	12" Wide x 66" High, 16 Gauge Front Filler	29.11	3.91
10 51 13 00-0217	EA	6" Wide x 72" High, 16 Gauge Front Filler	28.40	3.91
10 51 13 00-0218	EA	12" Wide x 72" High, 16 Gauge Front Filler	39.66	3.91
10 51 13 00-0219	EA	6" Wide x 78" High, 16 Gauge Front Filler	29.04	3.91
10 51 13 00-0220	EA	12" Wide x 78" High, 16 Gauge Front Filler	33.59	3.91
10 51 13 00-0221		**Locker End Panels** *(10 51 13 00-0209)*		
10 51 13 00-0222	EA	12" Deep x 48" High, 16 Gauge End Panel	30.82	3.13
10 51 13 00-0223	EA	15" Deep x 48" High, 16 Gauge End Panel	37.37	3.13
10 51 13 00-0224	EA	18" Deep x 48" High, 16 Gauge End Panel	43.68	3.13
10 51 13 00-0225	EA	12" Deep x 60" High, 16 Gauge End Panel	36.19	3.13
10 51 13 00-0226	EA	15" Deep x 60" High, 16 Gauge End Panel	40.89	3.13
10 51 13 00-0227	EA	18" Deep x 60" High, 16 Gauge End Panel	48.29	3.13
10 51 13 00-0228	EA	12" Deep x 72" High, 16 Gauge End Panel	42.44	3.13
10 51 13 00-0229	EA	15" Deep x 72" High, 16 Gauge End Panel	48.16	3.13
10 51 13 00-0230	EA	18" Deep x 72" High, 16 Gauge End Panel	55.77	3.13
10 51 13 00-0231	EA	21" Deep x 72" High, 16 Gauge End Panel	64.03	3.13
10 51 13 00-0232		**Locker Recessed Trim** *(10 51 13 00-0153)*		
10 51 13 00-0233	LF	3" Height, Top Trim For Recessed Lockers	6.69	1.57
10 51 13 00-0234	EA	3" Height, Inside And Outside Top Corner Trim For Recessed Lockers	18.02	3.13
10 51 13 00-0235	EA	60" Height, 3" Wide Side Trim For Recessed Lockers	26.84	3.13
10 51 13 00-0236	EA	66" Height, 3" Wide Side Trim For Recessed Lockers	27.77	3.13
10 51 13 00-0237	EA	72" Height, 3" Wide Side Trim For Recessed Lockers	28.70	3.13
10 51 13 00-0238	EA	78" Height, 3" Wide Side Trim For Recessed Lockers	29.51	3.13
10 51 13 00-0239		**Locker Interior Accessories** *(10 51 13 00-0153)*		
10 51 13 00-0240		**Locker Coat Rods** *(10 51 13 00-0239)*		
10 51 13 00-0241	EA	12" Wide Coat Rod	10.26	3.13
10 51 13 00-0242	EA	15" Wide Coat Rod	11.13	3.13
10 51 13 00-0243	EA	18" Wide Coat Rod	11.90	3.13
10 51 13 00-0244	EA	24" Wide Coat Rod	12.58	3.13
10 51 13 00-0245		**Locker Hat Shelf** *(10 51 13 00-0239)*		
10 51 13 00-0246	EA	12" Wide Hat Shelf	12.09	3.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0247	EA	15" Wide Hat Shelf	13.96	3.13
10 51 13 00-0248	EA	18" Wide Hat Shelf	14.75	3.13
10 51 13 00-0249	EA	24" Wide Hat Shelf	17.87	3.13
10 51 13 00-0250		Locker ADA Compliant Shelf *(10 51 13 00-0239)*		
10 51 13 00-0251	EA	ADA Compliant Shelf For Single Tier Lockers Note: Includes an ADA label for locker face.	22.99	3.91
10 51 13 00-0252		Other Interior Locker Accessories *(10 51 13 00-0239)*		
10 51 13 00-0253	EA	3" x 10" Bent Plate Shoe Rack	29.58	3.13
10 51 13 00-0254	EA	8" x 10" Mirror	23.75	3.13
10 51 13 00-0255	EA	Additional Hook	7.72	3.13
10 51 13 00-0256		Locker Locks *(10 51 13 00-0153)*		
10 51 13 00-0257	EA	Built In Combination Lock	25.93	3.13
10 51 13 00-0258		Locker Repair And Refinishing *(10 51 13)*		
10 51 13 00-0259	EA	Replace Single Tier Locker Door	221.44	
10 51 13 00-0260	EA	Replace Two Tier Locker Door	174.39	
10 51 13 00-0261	EA	Replace Three Tier Locker Door	150.14	
10 51 13 00-0262	EA	Replace Four Tier Locker Door	127.30	
10 51 13 00-0263	EA	Replace Six Tier Or Sixteen Person Locker Door	73.74	
10 51 13 00-0264	EA	Realign Metal Locker Door For Proper Closure	34.15	
10 51 13 00-0265	SF	Patch Small Drill Holes in Locker	6.83	
10 51 13 00-0266		Steel Basket Racks Mounted On Concrete Base *(10 51 13)* Note: Includes electroplated baskets with 3/4" x 1" wire mesh sides and bottom with perforated sheet steel front and backs.		
10 51 13 00-0267	EA	9" x 13" x 8" Baskets, 28 Wire Mesh Baskets And Rack	1,178.62	58.73
10 51 13 00-0268	EA	12" x 13" x 8" Baskets, 21 Wire Mesh Baskets And Rack	1,010.97	58.73

10 51 26 Plastic Lockers *(10 51)*

10 51 26 00-0001		Solid Plastic Lockers *(10 51 26)* Note: Price per frame. High density polyethylene with homogeneous color throughout. Includes 1/2" door, 3/8" sides, tops, bottoms, rears and shelves. Excludes slope top, base, and locks.		
10 51 26 00-0002		Single Tier Solid Plastic Lockers *(10 51 26 00-0001)* Note: Includes one double hook per tier.		
10 51 26 00-0003	EA	12" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	289.76	24.28
		For >50 To 100, Deduct	*-24.12*	
		For >100, Deduct	*-37.64*	
10 51 26 00-0004	EA	12" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	294.60	24.28
		For >50 To 100, Deduct	*-24.61*	
		For >100, Deduct	*-38.36*	
10 51 26 00-0005	EA	12" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	299.44	24.28
		For >50 To 100, Deduct	*-25.09*	
		For >100, Deduct	*-39.09*	
10 51 26 00-0006	EA	15" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	306.69	24.28
		For >50 To 100, Deduct	*-25.81*	
		For >100, Deduct	*-40.18*	
10 51 26 00-0007	EA	15" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	299.02	24.28
		For >50 To 100, Deduct	*-25.05*	
		For >100, Deduct	*-39.03*	
10 51 26 00-0008	EA	18" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	301.05	24.28
		For >50 To 100, Deduct	*-25.25*	
		For >100, Deduct	*-39.33*	
10 51 26 00-0009	EA	18" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	297.47	24.28
		For >50 To 100, Deduct	*-24.89*	
		For >100, Deduct	*-38.79*	
10 51 26 00-0010	EA	18" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	317.45	24.28
		For >50 To 100, Deduct	*-26.89*	
		For >100, Deduct	*-41.79*	
10 51 26 00-0011	EA	12" x 12" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	312.85	24.28
		For >50 To 100, Deduct	*-26.43*	
		For >100, Deduct	*-41.10*	
10 51 26 00-0012	EA	12" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	318.22	24.28
		For >50 To 100, Deduct	*-26.97*	
		For >100, Deduct	*-41.91*	
10 51 26 00-0013	EA	12" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	323.60	24.28
		For >50 To 100, Deduct	*-27.51*	
		For >100, Deduct	*-42.71*	
10 51 26 00-0014	EA	15" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	335.89	24.28
		For >50 To 100, Deduct	*-28.73*	
		For >100, Deduct	*-44.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0015	EA	15" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	352.80	24.28
		For >50 To 100, Deduct	*-30.43*	
		For >100, Deduct	*-47.09*	
10 51 26 00-0016	EA	18" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	337.43	24.28
		For >50 To 100, Deduct	*-28.89*	
		For >100, Deduct	*-44.79*	
10 51 26 00-0017	EA	18" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	365.08	24.28
		For >50 To 100, Deduct	*-31.65*	
		For >100, Deduct	*-48.94*	
10 51 26 00-0018	EA	12" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	314.99	24.28
		For >50 To 100, Deduct	*-26.64*	
		For >100, Deduct	*-41.42*	
10 51 26 00-0019	EA	12" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	330.75	24.28
		For >50 To 100, Deduct	*-28.22*	
		For >100, Deduct	*-43.79*	
10 51 26 00-0020	EA	12" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	346.52	24.28
		For >50 To 100, Deduct	*-29.80*	
		For >100, Deduct	*-46.15*	
10 51 26 00-0021	EA	15" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	334.97	24.28
		For >50 To 100, Deduct	*-28.64*	
		For >100, Deduct	*-44.42*	
10 51 26 00-0022	EA	15" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	351.67	24.28
		For >50 To 100, Deduct	*-30.31*	
		For >100, Deduct	*-46.92*	
10 51 26 00-0023	EA	15" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	368.39	24.28
		For >50 To 100, Deduct	*-31.98*	
		For >100, Deduct	*-49.43*	
10 51 26 00-0024	EA	18" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	354.95	24.28
		For >50 To 100, Deduct	*-30.64*	
		For >100, Deduct	*-47.42*	
10 51 26 00-0025	EA	18" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	372.61	24.28
		For >50 To 100, Deduct	*-32.41*	
		For >100, Deduct	*-50.07*	
10 51 26 00-0026	EA	12" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	358.41	25.06
		For >50 To 100, Deduct	*-30.83*	
		For >100, Deduct	*-47.75*	
10 51 26 00-0027	EA	12" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	376.08	25.06
		For >50 To 100, Deduct	*-32.60*	
		For >100, Deduct	*-50.40*	
10 51 26 00-0028	EA	12" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	393.73	25.06
		For >50 To 100, Deduct	*-34.36*	
		For >100, Deduct	*-53.05*	
10 51 26 00-0029	EA	15" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	381.34	25.06
		For >50 To 100, Deduct	*-33.12*	
		For >100, Deduct	*-51.19*	
10 51 26 00-0030	EA	15" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	399.98	25.06
		For >50 To 100, Deduct	*-34.99*	
		For >100, Deduct	*-53.98*	
10 51 26 00-0031	EA	15" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	418.60	25.06
		For >50 To 100, Deduct	*-36.85*	
		For >100, Deduct	*-56.78*	
10 51 26 00-0032	EA	18" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	399.62	25.06
		For >50 To 100, Deduct	*-34.95*	
		For >100, Deduct	*-53.93*	
10 51 26 00-0033	EA	18" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	423.86	25.06
		For >50 To 100, Deduct	*-37.38*	
		For >100, Deduct	*-57.57*	
10 51 26 00-0034	EA	18" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	443.43	25.06
		For >50 To 100, Deduct	*-39.33*	
		For >100, Deduct	*-60.50*	

10 51 26 00-0035 Double Tier Solid Plastic Lockers *(10 51 26 00-0001)*

Note: Includes one double hook per tier.

10 51 26 00-0036	EA	12" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	323.62	25.06
		For >50 To 100, Deduct	*-27.35*	
		For >100, Deduct	*-42.53*	
10 51 26 00-0037	EA	12" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	328.23	25.06
		For >50 To 100, Deduct	*-27.81*	
		For >100, Deduct	*-43.22*	
10 51 26 00-0038	EA	12" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	335.14	25.06
		For >50 To 100, Deduct	*-28.50*	
		For >100, Deduct	*-44.26*	
10 51 26 00-0039	EA	15" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	332.84	25.06
		For >50 To 100, Deduct	*-28.27*	
		For >100, Deduct	*-43.91*	
10 51 26 00-0040	EA	15" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	345.14	25.06
		For >50 To 100, Deduct	*-29.50*	
		For >100, Deduct	*-45.76*	
10 51 26 00-0041	EA	15" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	374.33	25.06
		For >50 To 100, Deduct	*-32.42*	
		For >100, Deduct	*-50.14*	
10 51 26 00-0042	EA	18" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	335.92	25.06
		For >50 To 100, Deduct	*-28.58*	
		For >100, Deduct	*-44.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0043	EA	18" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	350.79	25.06
		For >50 To 100, Deduct	*-30.07*	
		For >100, Deduct	*-46.61*	
10 51 26 00-0044	EA	18" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	377.41	25.06
		For >50 To 100, Deduct	*-32.73*	
		For >100, Deduct	*-50.60*	
10 51 26 00-0045	EA	12" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	334.20	25.06
		For >50 To 100, Deduct	*-28.41*	
		For >100, Deduct	*-44.12*	
10 51 26 00-0046	EA	12" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	358.26	25.06
		For >50 To 100, Deduct	*-30.82*	
		For >100, Deduct	*-47.73*	
10 51 26 00-0047	EA	12" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	365.14	25.06
		For >50 To 100, Deduct	*-31.50*	
		For >100, Deduct	*-48.76*	
10 51 26 00-0048	EA	15" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	362.29	25.06
		For >50 To 100, Deduct	*-31.22*	
		For >100, Deduct	*-48.33*	
10 51 26 00-0049	EA	15" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	378.23	25.06
		For >50 To 100, Deduct	*-32.81*	
		For >100, Deduct	*-50.72*	
10 51 26 00-0050	EA	18" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	381.35	25.06
		For >50 To 100, Deduct	*-33.12*	
		For >100, Deduct	*-51.19*	
10 51 26 00-0051	EA	18" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	398.22	25.06
		For >50 To 100, Deduct	*-34.81*	
		For >100, Deduct	*-53.72*	
10 51 26 00-0052	EA	18" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	415.08	25.06
		For >50 To 100, Deduct	*-36.50*	
		For >100, Deduct	*-56.25*	
10 51 26 00-0053	EA	12" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	384.74	25.83
		For >50 To 100, Deduct	*-33.31*	
		For >100, Deduct	*-51.51*	
10 51 26 00-0054	EA	12" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	401.60	25.83
		For >50 To 100, Deduct	*-34.99*	
		For >100, Deduct	*-54.04*	
10 51 26 00-0055	EA	12" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	410.39	25.83
		For >50 To 100, Deduct	*-35.87*	
		For >100, Deduct	*-55.36*	
10 51 26 00-0056	EA	15" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	406.63	25.83
		For >50 To 100, Deduct	*-35.50*	
		For >100, Deduct	*-54.79*	
10 51 26 00-0057	EA	15" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	424.42	25.83
		For >50 To 100, Deduct	*-37.27*	
		For >100, Deduct	*-57.46*	
10 51 26 00-0058	EA	15" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	442.20	25.83
		For >50 To 100, Deduct	*-39.05*	
		For >100, Deduct	*-60.13*	
10 51 26 00-0059	EA	18" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	409.81	25.83
		For >50 To 100, Deduct	*-35.81*	
		For >100, Deduct	*-55.27*	
10 51 26 00-0060	EA	18" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	447.22	25.83
		For >50 To 100, Deduct	*-39.55*	
		For >100, Deduct	*-60.88*	
10 51 26 00-0061	EA	18" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	465.89	25.83
		For >50 To 100, Deduct	*-41.42*	
		For >100, Deduct	*-63.68*	

10 51 26 00-0062 Triple Tier Solid Plastic Lockers *(10 51 26 00-0001)*

Note: Includes one double hook per tier.

10 51 26 00-0063	EA	12" x 12" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	319.43	25.83
		For >50 To 100, Deduct	*-26.78*	
		For >100, Deduct	*-41.71*	
10 51 26 00-0064	EA	15" x 15" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	332.08	25.83
		For >50 To 100, Deduct	*-28.04*	
		For >100, Deduct	*-43.61*	
10 51 26 00-0065	EA	15" x 18" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	343.68	25.83
		For >50 To 100, Deduct	*-29.20*	
		For >100, Deduct	*-45.35*	
10 51 26 00-0066	EA	12" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	345.93	25.83
		For >50 To 100, Deduct	*-29.43*	
		For >100, Deduct	*-45.69*	
10 51 26 00-0067	EA	12" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	372.97	25.83
		For >50 To 100, Deduct	*-32.13*	
		For >100, Deduct	*-49.74*	
10 51 26 00-0068	EA	12" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	373.10	25.83
		For >50 To 100, Deduct	*-32.14*	
		For >100, Deduct	*-49.76*	
10 51 26 00-0069	EA	15" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	387.85	25.83
		For >50 To 100, Deduct	*-33.62*	
		For >100, Deduct	*-51.98*	
10 51 26 00-0070	EA	15" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	402.66	25.83
		For >50 To 100, Deduct	*-35.10*	
		For >100, Deduct	*-54.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0071	EA	15" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	417.47	25.83
		For >50 To 100, Deduct	*-36.58*	
		For >100, Deduct	*-56.42*	
10 51 26 00-0072	EA	18" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	405.56	25.83
		For >50 To 100, Deduct	*-35.39*	
		For >100, Deduct	*-54.63*	
10 51 26 00-0073	EA	18" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	421.22	25.83
		For >50 To 100, Deduct	*-36.95*	
		For >100, Deduct	*-56.98*	
10 51 26 00-0074	EA	18" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	436.87	25.83
		For >50 To 100, Deduct	*-38.52*	
		For >100, Deduct	*-59.33*	
10 51 26 00-0075	EA	12" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	408.81	26.62
		For >50 To 100, Deduct	*-35.56*	
		For >100, Deduct	*-54.93*	
10 51 26 00-0076	EA	12" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	424.48	26.62
		For >50 To 100, Deduct	*-37.12*	
		For >100, Deduct	*-57.28*	
10 51 26 00-0077	EA	12" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	435.47	26.62
		For >50 To 100, Deduct	*-38.22*	
		For >100, Deduct	*-58.93*	
10 51 26 00-0078	EA	15" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	429.14	26.62
		For >50 To 100, Deduct	*-37.59*	
		For >100, Deduct	*-57.98*	
10 51 26 00-0079	EA	15" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	434.11	26.62
		For >50 To 100, Deduct	*-38.09*	
		For >100, Deduct	*-58.73*	
10 51 26 00-0080	EA	15" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	452.00	26.62
		For >50 To 100, Deduct	*-39.88*	
		For >100, Deduct	*-61.41*	
10 51 26 00-0081	EA	18" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	422.03	26.62
		For >50 To 100, Deduct	*-36.88*	
		For >100, Deduct	*-56.91*	
10 51 26 00-0082	EA	18" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	458.41	26.62
		For >50 To 100, Deduct	*-40.52*	
		For >100, Deduct	*-62.37*	
10 51 26 00-0083	EA	18" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	484.17	26.62
		For >50 To 100, Deduct	*-43.09*	
		For >100, Deduct	*-66.24*	
10 51 26 00-0084		**Four Tier Solid Plastic Lockers** *(10 51 26 00-0001)*		
10 51 26 00-0085	EA	12" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	369.02	26.62
		For >50 To 100, Deduct	*-31.58*	
		For >100, Deduct	*-48.96*	
10 51 26 00-0086	EA	12" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	379.29	26.62
		For >50 To 100, Deduct	*-32.60*	
		For >100, Deduct	*-50.50*	
10 51 26 00-0087	EA	12" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	398.22	26.62
		For >50 To 100, Deduct	*-34.50*	
		For >100, Deduct	*-53.34*	
10 51 26 00-0088	EA	15" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	395.91	26.62
		For >50 To 100, Deduct	*-34.27*	
		For >100, Deduct	*-53.00*	
10 51 26 00-0089	EA	15" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	420.43	26.62
		For >50 To 100, Deduct	*-36.72*	
		For >100, Deduct	*-56.67*	
10 51 26 00-0090	EA	15" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	428.17	26.62
		For >50 To 100, Deduct	*-37.49*	
		For >100, Deduct	*-57.84*	
10 51 26 00-0091	EA	18" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	424.33	26.62
		For >50 To 100, Deduct	*-37.11*	
		For >100, Deduct	*-57.26*	
10 51 26 00-0092	EA	18" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	437.39	26.62
		For >50 To 100, Deduct	*-38.41*	
		For >100, Deduct	*-59.22*	
10 51 26 00-0093	EA	18" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	475.05	26.62
		For >50 To 100, Deduct	*-42.18*	
		For >100, Deduct	*-64.87*	
10 51 26 00-0094	EA	12" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	422.78	27.41
		For >50 To 100, Deduct	*-36.80*	
		For >100, Deduct	*-56.84*	
10 51 26 00-0095	EA	12" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	440.99	27.41
		For >50 To 100, Deduct	*-38.62*	
		For >100, Deduct	*-59.57*	
10 51 26 00-0096	EA	12" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	443.36	27.41
		For >50 To 100, Deduct	*-38.86*	
		For >100, Deduct	*-59.93*	
10 51 26 00-0097	EA	15" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	466.31	27.41
		For >50 To 100, Deduct	*-41.15*	
		For >100, Deduct	*-63.37*	
10 51 26 00-0098	EA	15" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	445.07	27.41
		For >50 To 100, Deduct	*-39.03*	
		For >100, Deduct	*-60.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0099	EA	15" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	464.31	27.41
		For >50 To 100, Deduct	*-40.95*	
		For >100, Deduct	*-63.07*	
10 51 26 00-0100	EA	18" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	444.34	27.41
		For >50 To 100, Deduct	*-38.95*	
		For >100, Deduct	*-60.07*	
10 51 26 00-0101	EA	18" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	467.39	27.41
		For >50 To 100, Deduct	*-41.26*	
		For >100, Deduct	*-63.53*	
10 51 26 00-0102	EA	18" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	501.92	27.41
		For >50 To 100, Deduct	*-44.71*	
		For >100, Deduct	*-68.71*	

10 51 26 00-0103 Five Tier Solid Plastic Lockers *(10 51 26 00-0001)*

10 51 26 00-0104	EA	12" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	400.10	27.01
		For >50 To 100, Deduct	*-34.61*	
		For >100, Deduct	*-53.53*	
10 51 26 00-0105	EA	12" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	412.81	27.01
		For >50 To 100, Deduct	*-35.88*	
		For >100, Deduct	*-55.44*	
10 51 26 00-0106	EA	12" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	425.53	27.01
		For >50 To 100, Deduct	*-37.15*	
		For >100, Deduct	*-57.35*	
10 51 26 00-0107	EA	15" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	417.43	27.01
		For >50 To 100, Deduct	*-36.34*	
		For >100, Deduct	*-56.13*	
10 51 26 00-0108	EA	15" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	440.21	27.01
		For >50 To 100, Deduct	*-38.62*	
		For >100, Deduct	*-59.55*	
10 51 26 00-0109	EA	15" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	451.23	27.01
		For >50 To 100, Deduct	*-39.72*	
		For >100, Deduct	*-61.20*	
10 51 26 00-0110	EA	18" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	447.39	27.01
		For >50 To 100, Deduct	*-39.34*	
		For >100, Deduct	*-60.62*	
10 51 26 00-0111	EA	18" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	459.69	27.01
		For >50 To 100, Deduct	*-40.57*	
		For >100, Deduct	*-62.47*	
10 51 26 00-0112	EA	18" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	499.64	27.01
		For >50 To 100, Deduct	*-44.56*	
		For >100, Deduct	*-68.46*	
10 51 26 00-0113	EA	12" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	435.44	27.80
		For >50 To 100, Deduct	*-37.98*	
		For >100, Deduct	*-58.64*	
10 51 26 00-0114	EA	12" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	449.70	27.80
		For >50 To 100, Deduct	*-39.41*	
		For >100, Deduct	*-60.78*	
10 51 26 00-0115	EA	12" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	463.94	27.80
		For >50 To 100, Deduct	*-40.83*	
		For >100, Deduct	*-62.92*	
10 51 26 00-0116	EA	15" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	458.96	27.80
		For >50 To 100, Deduct	*-40.34*	
		For >100, Deduct	*-62.17*	
10 51 26 00-0117	EA	15" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	468.98	27.80
		For >50 To 100, Deduct	*-41.34*	
		For >100, Deduct	*-63.68*	
10 51 26 00-0118	EA	15" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	484.00	27.80
		For >50 To 100, Deduct	*-42.84*	
		For >100, Deduct	*-65.93*	
10 51 26 00-0119	EA	18" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	472.46	27.80
		For >50 To 100, Deduct	*-41.69*	
		For >100, Deduct	*-64.20*	
10 51 26 00-0120	EA	18" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	489.68	27.80
		For >50 To 100, Deduct	*-43.41*	
		For >100, Deduct	*-66.78*	
10 51 26 00-0121	EA	18" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	509.66	27.80
		For >50 To 100, Deduct	*-45.41*	
		For >100, Deduct	*-69.78*	

10 51 26 00-0122 Six Tier Solid Plastic Lockers *(10 51 26 00-0001)*

10 51 26 00-0123	EA	15" x 12" x 60" Six Tier Solid Plastic Locker (Tufftec Lockers®)	458.99	27.41
		For >50 To 100, Deduct	*-40.42*	
		For >100, Deduct	*-62.27*	
10 51 26 00-0124	EA	12" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	451.26	28.19
		For >50 To 100, Deduct	*-39.49*	
		For >100, Deduct	*-60.92*	
10 51 26 00-0125	EA	12" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	465.50	28.19
		For >50 To 100, Deduct	*-40.91*	
		For >100, Deduct	*-63.06*	
10 51 26 00-0126	EA	12" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	475.00	28.19
		For >50 To 100, Deduct	*-41.86*	
		For >100, Deduct	*-64.48*	

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		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0127	EA	15" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	493.99	28.19
		For >50 To 100, Deduct	*-43.76*	
		For >100, Deduct	*-67.33*	
10 51 26 00-0128	EA	15" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	499.53	28.19
		For >50 To 100, Deduct	*-44.32*	
		For >100, Deduct	*-68.16*	
10 51 26 00-0129	EA	15" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	503.49	28.19
		For >50 To 100, Deduct	*-44.71*	
		For >100, Deduct	*-68.76*	
10 51 26 00-0130	EA	18" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	505.07	28.19
		For >50 To 100, Deduct	*-44.87*	
		For >100, Deduct	*-68.99*	
10 51 26 00-0131	EA	18" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	522.48	28.19
		For >50 To 100, Deduct	*-46.61*	
		For >100, Deduct	*-71.61*	
10 51 26 00-0132	EA	18" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	545.43	28.19
		For >50 To 100, Deduct	*-48.91*	
		For >100, Deduct	*-75.05*	

10 51 26 00-0133 Solid Plastic Locker Accessories *(10 51 26 00-0001)*

10 51 26 00-0134 Slope Tops For Solid Plastic Lockers *(10 51 26 00-0133)*

Note: Price per frame.

10 51 26 00-0135	EA	Slope Top For Solid Plastic Lockers (Tufftec Lockers®)	22.70	

10 51 26 00-0136 Recessed Bases For Solid Plastic Lockers *(10 51 26 00-0133)*

Note: Price per frame.

10 51 26 00-0137	EA	Recessed Base For Solid Plastic Lockers (Tufftec Lockers®)	24.75	

10 51 26 00-0138 End Panels For Solid Plastic Lockers *(10 51 26 00-0133)*

Note: Price per frame.

10 51 26 00-0139	EA	End Panel For Solid Plastic Lockers (Tufftec Lockers®)	54.55	

10 51 26 00-0140 Venting Options For Solid Plastic Locker Doors *(10 51 26 00-0133)*

Note: Price per frame.

10 51 26 00-0141	EA	Horizontal Venting Option For Solid Plastic Locker Doors	20.55	

10 51 26 00-0142 Filler Panels For Solid Plastic Lockers *(10 51 26 00-0133)*

10 51 26 00-0143	EA	Up To 6" Width, Filler Panel For Solid Plastic Lockers (Tufftec Lockers®) Note: Full locker height. Width and height cut to size in the field.	60.67	

10 51 26 00-0144 Locker Accessories For Solid Plastic Lockers *(10 51 26 00-0133)*

10 51 26 00-0145	EA	Built In Hasp For Solid Plastic Lockers Note: For removable padlocks. Excludes padlock.	5.13	
10 51 26 00-0146	EA	Built In Combination Lock For Solid Plastic Lockers	15.41	
10 51 26 00-0147	EA	Built In Key Lock For Solid Plastic Lockers	20.55	

10 51 53 Locker Room Benches *(10 51)*

10 51 53 00-0001	LF	Hardwood Bench With Aluminum Pedestals	64.63	3.91
10 51 53 00-0002	LF	Hardwood Bench With Painted Steel Pedestals	51.76	3.91
10 51 53 00-0003	LF	Plastic Laminated Bench With Steel Pedestals	78.62	3.91
10 51 53 00-0004	LF	Solid Plastic Bench With Steel Pedestals	75.17	3.91
10 51 53 00-0005	LF	Aluminum Bench With Aluminum Pedestals	58.59	3.91

10 55 Postal Specialties *(10 50)*

10 55 23 Mail Boxes *(10 55)*

10 55 23 23 Residential Mail Boxes *(10 55 23)*

10 55 23 23-0001 Residential Mail Boxes *(10 55 23 23)*

10 55 23 23-0002	EA	13" x 3-9/16" Satin Aluminum (Aluminum Body) Letter Slot With Interior Plate	63.83	8.81
		For Stainless Steel Sleeve, Add	*11.14*	
10 55 23 23-0003	EA	13" x 3-9/16" Bright Brass (Brass Body) Letter Slot With Interior Plate	81.08	8.81
		For Stainless Steel Sleeve, Add	*11.14*	
10 55 23 23-0004	EA	Aluminum Or Galvanized Wall Mounted Mailbox	50.98	7.83
10 55 23 23-0005	EA	20" x 8-3/4" x 6-7/8" Galvanized Steel Residential Rural Mailbox With 1-1/2" Post	78.39	9.79

10 55 23 26 Commercial Mail Boxes *(10 55 23)*

10 55 23 26-0001 Commercial Mail Boxes *(10 55 23 26)*

10 55 23 26-0002	EA	Surface Mounted Aluminum Letter Box With Key Lock	164.52	6.26
10 55 23 26-0003	EA	Recessed Mounted Aluminum Letter Box With Key Lock	203.51	17.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 55 23 26-0004	EA	24" x 14" x 15" Deep, Aluminum Pedestal Mounted Group (NDCBU) Mailbox Note: Any door combination.	989.94	23.49
10 55 23 26-0005	EA	24" x 27" x 15" Deep, Aluminum Pedestal Mounted Group (NDCBU) Mailbox Note: Any door combination.	1,252.42	31.32
10 55 23 26-0006	BOX	4-1/2" x 5-1/2" x 15-1/2" Private Use Aluminum Horizontal Mailboxes, Per Box	46.97	11.75
10 55 23 26-0007	BOX	10-3/4" x 5-1/2" x 15-1/2" Private Use Aluminum Horizontal Mailboxes, Per Box	86.12	15.66
10 55 23 26-0008	BOX	6-3/8" x 5" x 17" US Postal Service Approved Aluminum Horizontal Mailboxes, Per Box	47.36	9.79
10 55 23 26-0009	BOX	12-7/8" x 5" x 17" US Postal Service Approved Aluminum Horizontal Mailboxes, Per Box	92.60	15.66

10 55 26 Parcel Lockers *(10 55)*

10 55 26 00-0001 Parcel Lockers *(10 55 26)*

10 55 26 00-0002	EA	24" x 14" x 15" Deep, Aluminum Pedestal Mounted Parcel Locker Note: Two compartments.	786.87	23.49
10 55 26 00-0003	EA	48" x 16" x 18" Deep, Aluminum Pedestal Mounted Parcel Locker Note: Two compartments.	937.16	31.32

10 56 Storage Assemblies *(10 50)*

10 56 13 Metal Storage Shelving *(10 56)*

10 56 13 16 Post-And-Shelf Metal Storage Shelving *(10 56 13)*

10 56 13 16-0001 Baked Enamel Steel Shelving *(10 56 13 16)*

10 56 13 16-0002 7 Shelf Unit, 72" Or 87" High, Full Unit, Open Type *(10 56 13 16-0001)*

10 56 13 16-0003	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 10" Wide Shelf	89.20	17.04
		For >75" To 87" High, Add	*7.42*	
10 56 13 16-0004	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 12" Wide Shelf	89.93	17.89
		For >75" To 87" High, Add	*7.40*	
10 56 13 16-0005	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 15" Wide Shelf	87.67	19.59
		For >75" To 87" High, Add	*7.04*	
10 56 13 16-0006	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 18" Wide Shelf	109.19	21.30
		For >75" To 87" High, Add	*9.08*	
10 56 13 16-0007	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 24" Wide Shelf	121.82	22.15
		For >75" To 87" High, Add	*10.21*	
10 56 13 16-0008	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 30" Wide Shelf	118.59	23.86
		For >75" To 87" High, Add	*9.77*	
10 56 13 16-0009	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 36" Wide Shelf	131.13	25.56
		For >75" To 87" High, Add	*10.89*	

10 56 13 16-0010 3 Shelf Unit, 32" High Base Unit Only, Fully Enclosed *(10 56 13 16-0001)*
Note: Adjustable shelves.

10 56 13 16-0011	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 10" Wide Shelf	61.97	8.69
10 56 13 16-0012	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 12" Wide Shelf	61.67	9.28
10 56 13 16-0013	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 15" Wide Shelf	68.98	9.89
10 56 13 16-0014	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 18" Wide Shelf	71.85	10.48
10 56 13 16-0015	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 24" Wide Shelf	82.30	11.16

10 56 13 16-0016 4 Shelf Unit, 40" High Unit *(10 56 13 16-0001)*

10 56 13 16-0017	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 10" Wide Shelf	74.34	17.04
10 56 13 16-0018	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 12" Wide Shelf	62.41	17.89
10 56 13 16-0019	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 15" Wide Shelf	71.12	19.59
10 56 13 16-0020	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 18" Wide Shelf	75.02	21.30
10 56 13 16-0021	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 24" Wide Shelf	85.03	22.15

10 56 16 Fabricated Wood Storage Shelving *(10 56)*

10 56 16 00-0001 Shelving *(10 56 16)*

10 56 16 00-0002 Built-In Wood Shelving *(10 56 16 00-0001)*
Note: Priced by shelf area. Includes hardware and trim.

10 56 16 00-0003	SF	Built-in Wood Storage Shelving Post And Trimmed Plywood	14.05	1.98
		For Each SF Of Lumber Edge Band, Add	*0.69*	
		For Each SF Of Prefinished Shelves, Add	*2.32*	
10 56 16 00-0004	SF	Built-in Wood Storage Shelving Post And Solid Clear Pine	15.14	2.37
		For Each SF Of Lumber Edge Band, Add	*0.69*	
		For Each SF Of Prefinished Shelves, Add	*2.32*	
10 56 16 00-0005	SF	Built-in Wood Storage Shelving Closet Shelf Of Pine With Rod	15.29	3.95
		For Each SF Of Lumber Edge Band, Add	*0.69*	
		For Each SF Of Prefinished Shelves, Add	*2.32*	

10 56 16 00-0006 Wood Shelving, White Pine, Clear Grade, Wall Mounted *(10 56 16 00-0001)*

10 56 16 00-0007	LF	1" x 8" White Pine Clear Grade Wood Shelving	12.02	4.74
10 56 16 00-0008	LF	1" x 10" White Pine Clear Grade Wood Shelving	13.12	5.06
10 56 16 00-0009	LF	1" x 12" White Pine Clear Grade Wood Shelving	14.36	5.45
10 56 16 00-0010	SF	Wood Shelving, 2" White Pine Clear Grade	18.22	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 56 16 00-0011		Plywood Shelf With Edge Band *(10 56 16 00-0001)*		
10 56 16 00-0012	LF	3/4" Plywood Shelf, 12" Wide With Edge Band	13.99	4.74
10 56 16 00-0013	LF	3/4" Plywood Shelf, 24" Wide With Edge Band	20.83	5.93
10 56 16 00-0014		Adjustable Shelf And Rod *(10 56 16 00-0001)*		
10 56 16 00-0015	EA	12" Wide Adjustable Shelf, 3' To 6' Long Including Rod	107.77	17.78
10 56 16 00-0016	EA	12" Wide Adjustable Shelf, 5' To 8' Long Including Rod	128.97	23.69
10 56 16 00-0017		Prefinished Wood Shelves With Brackets And Supports *(10 56 16 00-0001)*		
10 56 16 00-0018	LF	Prefinished Wood Shelves, 8" Wide, With Brackets And Supports	12.54	4.74
10 56 16 00-0019	LF	Prefinished Wood Shelves, 10" Wide, With Brackets And Supports	13.59	5.06
10 56 16 00-0020	SF	Adjustable 3/4" Plastic Laminated Wood Shelves, Recessed Metal Standards	42.90	7.90
10 56 16 00-0021		Wood Shelving, Oak, Clear Grade, Wall Mounted *(10 56 16 00-0001)*		
10 56 16 00-0022	LF	Wood Shelving, 1" X 8" Oak Clear Grade	13.76	7.42

10 56 17 Wall-Mounted Standards and Shelving *(10 56)*

10 56 17 00-0001		Galvanized Steel, Wall Mounted Solid Shelving *(10 56 17)* Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0002	LF	8" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	48.65	7.83
		For Installation On Concrete Walls, Add	*2.02*	
		For Installation On Concrete Block Walls, Add	*2.57*	
10 56 17 00-0003	LF	10" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	50.24	7.83
		For Installation On Concrete Walls, Add	*2.02*	
		For Installation On Concrete Block Walls, Add	*2.57*	
10 56 17 00-0004	LF	12" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	53.93	7.83
		For Installation On Concrete Walls, Add	*2.02*	
		For Installation On Concrete Block Walls, Add	*2.57*	
10 56 17 00-0005	LF	16" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	58.70	7.83
		For Installation On Concrete Walls, Add	*2.02*	
		For Installation On Concrete Block Walls, Add	*2.57*	
10 56 17 00-0006	LF	18" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	59.88	7.83
		For Installation On Concrete Walls, Add	*2.02*	
		For Installation On Concrete Block Walls, Add	*2.57*	
10 56 17 00-0007	LF	24" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	70.10	7.83
		For Installation On Concrete Walls, Add	*2.02*	
		For Installation On Concrete Block Walls, Add	*2.57*	
10 56 17 00-0008		304 Stainless Steel, Wall Mounted Solid Shelving *(10 56 17)* Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0009	LF	8" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	77.62	7.83
		For Installation On Concrete Walls, Add	*2.02*	
		For Installation On Concrete Block Walls, Add	*2.57*	
10 56 17 00-0010	LF	10" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	84.85	7.83
		For Installation On Concrete Walls, Add	*2.02*	
		For Installation On Concrete Block Walls, Add	*2.57*	
10 56 17 00-0011	LF	12" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	92.12	7.83
		For Installation On Concrete Walls, Add	*2.02*	
		For Installation On Concrete Block Walls, Add	*2.57*	
10 56 17 00-0012	LF	16" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	108.82	7.83
		For Installation On Concrete Walls, Add	*2.02*	
		For Installation On Concrete Block Walls, Add	*2.57*	
10 56 17 00-0013	LF	18" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	118.71	7.83
		For Installation On Concrete Walls, Add	*2.02*	
		For Installation On Concrete Block Walls, Add	*2.57*	
10 56 17 00-0014	LF	24" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	132.99	7.83
		For Installation On Concrete Walls, Add	*2.02*	
		For Installation On Concrete Block Walls, Add	*2.57*	
10 56 17 00-0015		Laminated Particleboard, Wall Mounted Solid Shelving *(10 56 17)* Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0016	LF	8" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	33.61	7.83
		For Installation On Concrete Walls, Add	*2.02*	
		For Installation On Concrete Block Walls, Add	*2.57*	
10 56 17 00-0017	LF	10" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	34.68	7.83
		For Installation On Concrete Walls, Add	*2.02*	
		For Installation On Concrete Block Walls, Add	*2.57*	
10 56 17 00-0018	LF	12" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	35.99	7.83
		For Installation On Concrete Walls, Add	*2.02*	
		For Installation On Concrete Block Walls, Add	*2.57*	
10 56 17 00-0019	LF	16" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	37.88	7.83
		For Installation On Concrete Walls, Add	*2.02*	
		For Installation On Concrete Block Walls, Add	*2.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 56 17 00-0020	LF	18" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	40.17	7.83
		For Installation On Concrete Walls, Add	*2.02*	
		For Installation On Concrete Block Walls, Add	*2.57*	
10 56 17 00-0021	LF	24" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	46.32	7.83
		For Installation On Concrete Walls, Add	*2.02*	
		For Installation On Concrete Block Walls, Add	*2.57*	

10 56 17 00-0022 Chrome Plated Steel, Wall Mounted Wire Shelving *(10 56 17)*

Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.

10 56 17 00-0023	LF	14" Depth, Chrome Plated Steel, Wall Mounted Wire Shelving	47.64	7.83
		For Installation On Concrete Walls, Add	*2.02*	
		For Installation On Concrete Block Walls, Add	*2.57*	
10 56 17 00-0024	LF	18" Depth, Chrome Plated Steel, Wall Mounted Wire Shelving	53.21	7.83
		For Installation On Concrete Walls, Add	*2.02*	
		For Installation On Concrete Block Walls, Add	*2.57*	

10 56 17 00-0025 Stainless Steel, Wall Mounted Wire Shelving *(10 56 17)*

Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.

10 56 17 00-0026	LF	14" Depth, Stainless Steel, Wall Mounted Wire Shelving	108.14	7.83
		For Installation On Concrete Walls, Add	*2.02*	
		For Installation On Concrete Block Walls, Add	*2.57*	
10 56 17 00-0027	LF	18" Depth, Stainless Steel, Wall Mounted Wire Shelving	112.41	7.83
		For Installation On Concrete Walls, Add	*2.02*	
		For Installation On Concrete Block Walls, Add	*2.57*	

10 56 17 00-0028 Prefinished Hardwood Plywood, Wall Mounted Solid Shelving *(10 56 17)*

Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.

10 56 17 00-0029	LF	8" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	36.62	7.83
		For Installation On Concrete Walls, Add	*2.89*	
		For Installation On Concrete Block Walls, Add	*3.44*	
10 56 17 00-0030	LF	10" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	37.44	7.83
		For Installation On Concrete Walls, Add	*2.91*	
		For Installation On Concrete Block Walls, Add	*3.46*	
10 56 17 00-0031	LF	12" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	38.00	7.83
		For Installation On Concrete Walls, Add	*2.93*	
		For Installation On Concrete Block Walls, Add	*3.48*	
10 56 17 00-0032	LF	16" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	39.88	7.83
		For Installation On Concrete Walls, Add	*2.98*	
		For Installation On Concrete Block Walls, Add	*3.53*	
10 56 17 00-0033	LF	18" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	40.85	7.83
		For Installation On Concrete Walls, Add	*3.00*	
		For Installation On Concrete Block Walls, Add	*3.55*	
10 56 17 00-0034	LF	24" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	43.71	7.83
		For Installation On Concrete Walls, Add	*3.07*	
		For Installation On Concrete Block Walls, Add	*3.62*	

10 56 17 00-0035 Wall Mounted Shelving Accessories *(10 56 17)*

10 56 17 00-0036	LF	Remove And Reinstall Single Shelf Metal Storage Shelving Unit	27.89	

10 57 Wardrobe And Closet Specialties *(10 50)*

10 57 13 Hat And Coat Racks *(10 57)*

10 57 13 00-0001 Hat And Coat Rack *(10 57 13)*

10 57 13 00-0002 Single Tier *(10 57 13 00-0001)*

10 57 13 00-0003	LF	Single Tier Hat And Coat Rack Baked Enameled Steel	41.01	3.91
		For Custom Made Units, Add	*18.38*	
10 57 13 00-0004	LF	Single Tier Hat And Coat Rack Stainless Steel	34.23	3.91
		For Custom Made Units, Add	*14.31*	
10 57 13 00-0005	LF	Single Tier Hat And Coat Rack Aluminum	48.14	3.91
		For Custom Made Units, Add	*22.66*	

10 57 13 00-0006 Double Tier *(10 57 13 00-0001)*

10 57 13 00-0007	LF	Double Tier Hat And Coat Rack Baked Enameled Steel	54.66	3.91
		For Custom Made Units, Add	*25.10*	
10 57 13 00-0008	LF	Double Tier Hat And Coat Rack Stainless Steel	38.43	3.91
		For Custom Made Units, Add	*15.36*	
10 57 13 00-0009	LF	Double Tier Hat And Coat Rack Aluminum	77.34	3.91
		For Custom Made Units, Add	*38.71*	

10 57 43 Wardrobe Units *(10 57)*

10 57 43 00-0001 Dormitory Wardrobe Units *(10 57 43)*

10 57 43 00-0002	EA	24" x 24" x 68" Hardwood Veneer Dormitory Wardrobe Unit With Door	1,135.83	145.02
		For Custom Made Units, Add	*579.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 57 43 00-0003	EA	24" x 24" x 68" Plastic Laminate Dormitory Wardrobe Unit With Door	887.38	145.02
		For Custom Made Units, Add	*430.92*	

10 70 Exterior Specialties *(10)*

10 73 Protective Covers *(10 70)*

10 73 13 Awnings *(10 73)*

10 73 13 00-0001 Metal Awnings *(10 73 13)*

Note: Includes metal cover, frame supports and anchoring.

10 73 13 00-0002	SF	Ribbed Aluminum Window Awnings, Clear Weather Resistant Finish	29.98	6.72
10 73 13 00-0003	SF	Ribbed Aluminum Window Awning, Baked Enamel Finish	26.63	6.02
10 73 13 00-0004	SF	Flat Roofed Steel Awning (Per SF Of Covered Area)	72.34	6.99
10 73 13 00-0005	SF	Arched Roofed Steel Awning (Per SF Of Covered Area)	74.89	7.87

10 73 13 00-0006 Canvas Awnings *(10 73 13)*

Note: Includes minimum 12 oz. canvas, frame supports and anchoring.

10 73 13 00-0007	SF	Canvas Awning, Waterproof Fabric Tubular Metal Framing	26.88	5.30
10 73 13 00-0008	SF	Side Protection Canvas For Walkways (Per SF Of Wall Area)	14.43	1.71
10 73 13 00-0009	SF	Replacement Canvas For Awnings	15.73	
		Note: Includes removal of existing canvas cover.		
		For 18 Oz. Vinyl Laminated Polyester Cover, Add	*0.47*	

10 73 16 Canopies *(10 73)*

10 73 16 00-0001 Canopies, Wall Hung, Aluminum Framed And Covered, Prefinished *(10 73 16)*

Note: Includes cover, frame supports and anchoring.

10 73 16 00-0002	EA	8' x 10' Canopy, Aluminum, Wall Hung	2,560.28	345.23
10 73 16 00-0003	EA	8' x 20' Canopy, Aluminum, Wall Hung	4,573.87	552.50
10 73 16 00-0004	EA	10' x 10' Canopy, Aluminum, Wall Hung	3,165.45	431.96
10 73 16 00-0005	EA	10' x 20' Canopy, Aluminum, Wall Hung	5,376.58	577.62

10 73 26 Walkway Coverings *(10 73)*

Note: Pre-engineered includes all framing and steel supports, integral gutter system. Excludes foundations.

10 73 26 00-0001 Steel Walkway/Parking Covers *(10 73 26)*

Note: Factory applied polyester finish.

10 73 26 00-0002	SF	Flat Roofed Steel Walkway/Parking Cover	37.15	5.05
		Note: Includes factory applied polyester finish.		
		For Snow Load (30 PSF), Add	*10.82*	
		For Wind Load (140 MPH), Add	*13.53*	
10 73 26 00-0003	SF	Arch Roofed Steel Walkway/Parking Cover	39.61	5.44
		Note: Includes factory applied polyester finish.		
		For Snow Load (30 PSF), Add	*11.50*	
		For Wind Load (140 MPH), Add	*14.37*	

10 73 26 00-0004 Aluminum Walkway/Parking Covers *(10 73 26)*

10 73 26 00-0005	SF	Flat Roofed Aluminum Walkway/Parking Cover	24.14	5.05
		Note: Includes factory applied polyester finish.		
		For Snow Load (30 PSF), Add	*5.62*	
		For Wind Load (140 MPH), Add	*7.02*	
10 73 26 00-0006	SF	Arch Roofed Aluminum Walkway/Parking Cover	26.19	5.44
		Note: Includes factory applied polyester finish.		
		For Snow Load (30 PSF), Add	*6.13*	
		For Wind Load (140 MPH), Add	*7.66*	

10 75 Flagpoles *(10 70)*

Note: Metal bases are installed in a concrete base and fully rigged. Heights indicated are from ground to top of installed flag pole. Uninstalled lengths are longer. Includes top ball (color and material similar to pole), cleats and cleat cover, all caulking and sealants, and hoisting into place. Excludes excavation and concrete. See CSI section 10 75 16 00-0021 for bases.

10 75 16 Ground-Set Flagpoles *(10 75)*

10 75 16 00-0001 Free Standing Tapered Fiberglass Flagpoles *(10 75 16)*

10 75 16 00-0002	EA	25' Exposed Height, Tapered White Fiberglass Flagpole	2,811.04	639.08
		Note: 6" butt diameter, 3" top diameter and 0.180" wall.		
		For Internal Halyard, Cam System, Add	*300.00*	
		For Bronze Finish, Add	*20.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0003	EA	30' Exposed Height, Tapered White Fiberglass Flagpole	3,304.82	697.19
		Note: 6-1/2" butt diameter, 3" top diameter and 0.180" wall.		
		For Internal Halyard, Cam System, Add	*300.00*	
		For Bronze Finish, Add	*50.00*	
		For Rope Lock Box, Add	*96.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 75 16 00-0004	EA	35' Exposed Height, Tapered White Fiberglass Flagpole Note: 7" butt diameter, 3" top diameter and 0.200" wall.	4,194.41	813.39
		For Internal Halyard, Cam System, Add	*300.00*	
		For Bronze Finish, Add	*10.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0005	EA	40' Exposed Height, Tapered White Fiberglass Flagpole Note: 7" butt diameter, 3" top diameter and 0.200" wall.	4,875.82	929.58
		For Internal Halyard, Cam System, Add	*300.00*	
		For Bronze Finish, Add	*50.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0006	EA	50' Exposed Height, Tapered White Fiberglass Flagpole Note: 10" butt diameter, 4-1/2" top diameter and 0.275" wall.	9,304.26	1,045.78
		For Internal Halyard, Winch System, Add	*1,700.00*	
		For Bronze Finish, Add	*200.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0007	EA	60' Exposed Height, Tapered White Fiberglass Flagpole Note: 10-1/2" butt diameter, 4-1/2" top diameter and 0.300" wall.	11,100.00	1,161.98
		For Internal Halyard, Winch System, Add	*1,900.00*	
		For Bronze Finish, Add	*160.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0008	EA	70' Exposed Height, Tapered White Fiberglass Flagpole Note: 16" butt diameter, 7" top diameter and 0.325" wall.	19,385.68	1,278.18
		For Internal Halyard, Winch System, Add	*2,860.00*	
		For Bronze Finish, Add	*700.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0009	EA	78' Exposed Height, Tapered White Fiberglass Flagpole Note: 10-3/4" butt diameter, 7" top diameter and 0.350" wall.	25,222.33	1,394.38
		For Internal Halyard, Winch System, Add	*2,900.00*	
		For Bronze Finish, Add	*900.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0010		**Free Standing Tapered Aluminum Flagpoles** *(10 75 16)* Note: Heavy duty.		
10 75 16 00-0011	EA	20' Exposed Height, Tapered Satin Aluminum Flagpole Note: 5" butt diameter, 3" top diameter and 0.188" wall.	2,306.24	580.99
		For Internal Halyard, Winch System, Add	*570.00*	
		For Clear Anodized Finish, Add	*150.00*	
		For Bronze Anodized Finish, Add	*180.00*	
		For Black Anodized Finish, Add	*230.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0012	EA	25' Exposed Height, Tapered Satin Aluminum Flagpole Note: 5-1/2" butt diameter, 3-1/2" top diameter and 0.188" wall.	2,759.14	639.08
		For Internal Halyard, Winch System, Add	*1,100.00*	
		For Clear Anodized Finish, Add	*200.00*	
		For Bronze Anodized Finish, Add	*230.00*	
		For Black Anodized Finish, Add	*320.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0013	EA	30' Exposed Height, Tapered Satin Aluminum Flagpole Note: 6" butt diameter, 3-1/2" top diameter and 0.188" wall.	3,095.08	697.19
		For Internal Halyard, Winch System, Add	*1,390.00*	
		For Clear Anodized Finish, Add	*300.00*	
		For Bronze Anodized Finish, Add	*375.00*	
		For Black Anodized Finish, Add	*450.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0014	EA	35' Exposed Height, Tapered Satin Aluminum Flagpole Note: 7" butt diameter, 3-1/2" top diameter and 0.188" wall.	3,954.10	813.39
		For Internal Halyard, Winch System, Add	*1,340.00*	
		For Clear Anodized Finish, Add	*290.00*	
		For Bronze Anodized Finish, Add	*360.00*	
		For Black Anodized Finish, Add	*480.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0015	EA	40' Exposed Height, Tapered Satin Aluminum Flagpole Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall.	5,023.72	929.58
		For Internal Halyard, Winch System, Add	*1,490.00*	
		For Clear Anodized Finish, Add	*390.00*	
		For Bronze Anodized Finish, Add	*480.00*	
		For Black Anodized Finish, Add	*660.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0016	EA	45' Exposed Height, Tapered Satin Aluminum Flagpole Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall.	5,535.14	987.68
		For Internal Halyard, Winch System, Add	*1,340.00*	
		For Clear Anodized Finish, Add	*400.00*	
		For Bronze Anodized Finish, Add	*500.00*	
		For Black Anodized Finish, Add	*700.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0017	EA	50' Exposed Height, Tapered Satin Aluminum Flagpole Note: 10" butt diameter, 4" top diameter and 0.188" wall.	6,982.51	1,045.78
		For Internal Halyard, Winch System, Add	*1,380.00*	
		For Clear Anodized Finish, Add	*700.00*	
		For Bronze Anodized Finish, Add	*860.00*	
		For Black Anodized Finish, Add	*1,130.00*	
		For Rope Lock Box, Add	*96.00*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 75 16 00-0018	EA	60' Exposed Height, Tapered Satin Aluminum Flagpole Note: 12" butt diameter, 4" top diameter and 0.250" wall.	11,983.21	1,161.98
		For Internal Halyard, Winch System, Add	*1,800.00*	
		For Clear Anodized Finish, Add	*620.00*	
		For Bronze Anodized Finish, Add	*820.00*	
		For Black Anodized Finish, Add	*1,160.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0019	EA	70' Exposed Height, Tapered Satin Aluminum Flagpole Note: 12" butt diameter, 4" top diameter and 0.250" wall.	13,450.62	1,278.18
		For Internal Halyard, Winch System, Add	*1,720.00*	
		For Clear Anodized Finish, Add	*710.00*	
		For Bronze Anodized Finish, Add	*950.00*	
		For Black Anodized Finish, Add	*1,360.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0020	EA	80' Exposed Height, Tapered Satin Aluminum Flagpole Note: 12" butt diameter, 4" top diameter and 0.375" wall.	16,485.78	1,394.38
		For Internal Halyard, Winch System, Add	*2,600.00*	
		For Clear Anodized Finish, Add	*1,100.00*	
		For Bronze Anodized Finish, Add	*1,380.00*	
		For Black Anodized Finish, Add	*1,840.00*	
		For Rope Lock Box, Add	*96.00*	

10 75 16 00-0021 Flagpole Bases *(10 75 16)*

10 75 16 00-0022 Flagpole Concrete Base *(10 75 16 00-0021)*

Note: Includes excavation, forms where necessary, steel casing and reinforcing, metal collar installation, base plate, sand fill, ground spike, concrete and finishing of concrete.

10 75 16 00-0023	EA	30' Or Less Flagpole, Poured Concrete Foundation	1,028.35	
10 75 16 00-0024	EA	35' Flagpole, Poured Concrete Foundation	1,063.07	
10 75 16 00-0025	EA	40' Flagpole, Poured Concrete Foundation	1,223.30	
10 75 16 00-0026	EA	45' Flagpole, Poured Concrete Foundation	1,294.00	
10 75 16 00-0027	EA	50' Flagpole, Poured Concrete Foundation	1,550.64	
10 75 16 00-0028	EA	60' Flagpole, Poured Concrete Foundation	1,878.77	
10 75 16 00-0029	EA	70' Flagpole, Poured Concrete Foundation	2,221.86	
10 75 16 00-0030	EA	80' Flagpole, Poured Concrete Foundation	2,584.91	
10 75 16 00-0031	EA	90' To 100' Flagpole, Poured Concrete Foundation	3,014.97	

10 75 16 00-0032 Direct Embedded Flagpole Base *(10 75 16 00-0021)*

Note: Augured in place, no concrete required.

10 75 16 00-0033	EA	20' To 25' Flagpole, Direct Embedded Pole Base	453.54	
10 75 16 00-0034	EA	30' To 40' Flagpole, Direct Embedded Pole Base	651.35	
10 75 16 00-0035	EA	45' To 55' Flagpole, Direct Embedded Pole Base	726.37	
10 75 16 00-0036	EA	60' To 70' Flagpole, Direct Embedded Pole Base	819.40	

10 75 16 00-0037 Flagpole Accessories *(10 75 16)*

10 75 16 00-0038 Flagpole Tops *(10 75 16 00-0037)*

Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.

10 75 16 00-0039	EA	4" Gold Anodized Aluminum Ball For Top Of Flagpole	91.15	33.30
10 75 16 00-0040	EA	5" Gold Anodized Aluminum Ball For Top Of Flagpole	99.75	35.25
10 75 16 00-0041	EA	6" Gold Anodized Aluminum Ball For Top Of Flagpole	109.52	37.21
10 75 16 00-0042	EA	8" Gold Anodized Aluminum Ball For Top Of Flagpole	139.17	39.17
10 75 16 00-0043	EA	10" Gold Anodized Aluminum Ball For Top Of Flagpole	192.23	41.13
10 75 16 00-0044	EA	12" Gold Anodized Aluminum Ball For Top Of Flagpole	214.87	43.08
10 75 16 00-0045	EA	11-1/4" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish	179.77	43.08
10 75 16 00-0046	EA	15" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish	214.92	48.96

10 75 16 00-0047 Flagpole Accessories *(10 75 16 00-0037)*

Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.

10 75 16 00-0048	LF	5/16" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles	0.72	0.06
10 75 16 00-0049	LF	5/16" Diameter, Solid Braided Multifilament Polypropylene Halyard (Rope) For Flagpoles	0.37	0.06
10 75 16 00-0050	LF	5/16" Diameter, Nylon Halyard (Rope) For Flagpoles	0.29	0.06
10 75 16 00-0051	LF	3/8" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles	0.96	0.06
10 75 16 00-0052	EA	Refinish Existing Flagpole Ball	253.17	97.88
10 75 16 00-0053	EA	Locking Aluminum Cleat Box For Flagpoles	229.82	58.73
10 75 16 00-0054	EA	Aluminum Cleat For Flagpoles	18.94	3.91
10 75 16 00-0055	LF	1/8" Diameter, 7x7 Galvanized Wire Rope For Flagpoles	0.49	0.08

10 75 23 Wall-Mounted Flagpoles *(10 75)*

10 75 23 00-0001 Vertical, Wall/Roof Mounted Tapered Aluminum Flagpoles *(10 75 23)*

Note: Includes aluminum brackets, 3" butt diameter and 0.125" wall.

10 75 23 00-0002	EA	14' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole, Satin Finish	1,569.16	509.63
		For Clear Anodized Finish, Add	*60.00*	
		For Bronze Anodized Finish, Add	*80.00*	
		For Black Anodized Finish, Add	*90.00*	
		For Rope Lock Box, Add	*96.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 75 23 00-0003	EA	17' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole, Satin Finish	1,706.18	560.60
		For Clear Anodized Finish, Add	*70.00*	
		For Bronze Anodized Finish, Add	*80.00*	
		For Black Anodized Finish, Add	*100.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0004	EA	20' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole, Satin Finish	1,831.52	611.57
		For Clear Anodized Finish, Add	*70.00*	
		For Bronze Anodized Finish, Add	*110.00*	
		For Black Anodized Finish, Add	*120.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0005	EA	25' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole, Satin Finish	2,128.97	713.49
		For Clear Anodized Finish, Add	*70.00*	
		For Bronze Anodized Finish, Add	*90.00*	
		For Black Anodized Finish, Add	*100.00*	
		For Rope Lock Box, Add	*96.00*	

10 75 23 00-0006 Outrigger, Wall Mounted Tapered Aluminum Flagpoles *(10 75 23)*

Note: Includes aluminum base, 3-1/2" butt diameter and 0.125" wall.

10 75 23 00-0007	EA	10' (3.0 m) Outrigger, Tapered Aluminum Flagpole, Satin Finish	2,251.10	458.68
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0008	EA	15' (4.6 m) Outrigger, Tapered Aluminum Flagpole, Satin Finish	2,282.84	509.63
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0009	EA	20' (6.1 m) Outrigger, Tapered Aluminum Flagpole, Satin Finish	2,510.10	611.57
		For Rope Lock Box, Add	*96.00*	

10 80 Other Specialties *(10)*

10 81 Pest Control Devices *(10 80)*

10 81 13 Bird Control Devices *(10 81)*

10 81 13 00-0001 Stainless Steel Spiked Bird Barrier *(10 81 13)*

Note: Stainless steel spikes with flexible polycarbonate base.

10 81 13 00-0002	LF	2-1/2" To 3" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	6.75	0.62
10 81 13 00-0003	LF	4-1/2" To 5" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	7.37	0.62
10 81 13 00-0004	LF	8" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	9.82	0.62

10 81 13 00-0005 Polycarbonate Spiked Bird Barrier *(10 81 13)*

Note: Polycarbonate spikes and base.

10 81 13 00-0006	LF	3" Wide Polycarbonate Spikes And Base Bird Deterrent System	5.15	0.62
10 81 13 00-0007	LF	5" Wide Polycarbonate Spikes And Base Bird Deterrent System	6.23	0.62
10 81 13 00-0008	LF	8" Wide Polycarbonate Spikes And Base Bird Deterrent System	7.45	0.62

10 81 13 00-0009 Spiked Gutter Or Girder Bird Barrier *(10 81 13)*

Note: Stainless steel spikes with flexible polycarbonate base mounted to gutter or girder. Includes aluminum clamps.

10 81 13 00-0010	LF	Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System For Gutter Or Girder Application	5.82	0.62

10 81 13 00-0011 Coil Bird Barrier *(10 81 13)*

Note: Stainless steel coil.

10 81 13 00-0012	LF	4" Diameter Stainless Steel Coil Bird Deterrent System	4.21	0.62
10 81 13 00-0013	LF	5" Diameter Stainless Steel Coil Bird Deterrent System	4.94	0.62

10 81 13 00-0014 Spider Bird Barrier *(10 81 13)*

Note: Stainless steel arms with various bases.

10 81 13 00-0015	EA	2' Diameter Stainless Steel Spider Bird Deterrent System	76.58	0.62
10 81 13 00-0016	EA	4' Diameter Stainless Steel Spider Bird Deterrent System	94.37	0.62
10 81 13 00-0017	EA	8' Diameter Stainless Steel Spider Bird Deterrent System	110.67	0.62

10 81 13 00-0018 Oriented Flexible Flame Resistant Netting *(10 81 13)*

Note: Includes stainless steel rings and plastic ties. See CSI section 05 15 16 00-0000 for wire rope and mounting hardware.

10 81 13 00-0019	SF	1/8" x 1/8" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.62	0.27
10 81 13 00-0020	SF	1/4" x 1/4" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.61	0.27
10 81 13 00-0021	SF	1/2" x 1/2" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.60	0.27
10 81 13 00-0022	SF	3/4" x 3/4" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.59	0.27
10 81 13 00-0023	SF	1" x 1" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.59	0.27
10 81 13 00-0024	SF	1-1/8" x 1-1/8" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.59	0.27
10 81 13 00-0025	SF	2" x 2" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.58	0.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 81 13 00-0026	SF	3" x 3" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.58	0.27
10 81 13 00-0027	SF	4" x 4" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.57	0.27
10 81 13 00-0028	SF	5/8" x 3/4" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.60	0.27
10 81 13 00-0029	SF	1-1/4" x 1-1/2" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.59	0.27
10 81 13 00-0030	EA	Poly Clips For Flexible Netting	2.15	

10 81 13 00-0031 Netting Accessories *(10 81 13)*

10 81 13 00-0032	EA	2' Zipper For Flexible Netting	4.55	
10 81 13 00-0033	EA	4' Zipper For Flexible Netting	6.85	
10 81 13 00-0034	EA	6' Zipper For Flexible Netting	8.06	
10 81 13 00-0035	EA	8' Zipper For Flexible Netting	11.45	

10 86 Security Mirrors And Domes *(10 80)*

10 86 00 00-0001 Dome Mirrors *(10 86)*

Note: Includes all mounting hardware. Indoor or outdoor applications.

10 86 00 00-0002 Steel Dome Mirrors *(10 86 00 00-0001)*

10 86 00 00-0003	EA	9" Diameter Full-Dome Steel Dome Mirror	163.72	15.67
10 86 00 00-0004	EA	12" Diameter Full-Dome Steel Dome Mirror	191.77	16.45
10 86 00 00-0005	EA	18" Diameter Full-Dome Steel Dome Mirror	221.37	18.01
10 86 00 00-0006	EA	24" Diameter Full-Dome Steel Dome Mirror	293.59	19.58
10 86 00 00-0007	EA	9" Diameter Half-Dome Steel Dome Mirror	117.44	11.75
10 86 00 00-0008	EA	12" Diameter Half-Dome Steel Dome Mirror	135.12	12.54
10 86 00 00-0009	EA	18" Diameter Half-Dome Steel Dome Mirror	157.51	13.71
10 86 00 00-0010	EA	24" Diameter Half-Dome Steel Dome Mirror	217.41	14.88

10 86 00 00-0011 Plexiglas Dome Mirrors *(10 86 00 00-0001)*

10 86 00 00-0012	EA	18" Diameter Full-Dome Plexiglas Dome Mirror	129.85	18.01
10 86 00 00-0013	EA	26" Diameter Full-Dome Plexiglas Dome Mirror	180.77	19.58
10 86 00 00-0014	EA	32" Diameter Full-Dome Plexiglas Dome Mirror	237.69	22.71
10 86 00 00-0015	EA	36" Diameter Full-Dome Plexiglas Dome Mirror	287.37	27.42
10 86 00 00-0016	EA	48" Diameter Full-Dome Plexiglas Dome Mirror	419.09	39.17
10 86 00 00-0017	EA	18" Diameter Half-Dome Plexiglas Dome Mirror	80.72	13.71
10 86 00 00-0018	EA	26" Diameter Half-Dome Plexiglas Dome Mirror	107.24	14.88
10 86 00 00-0019	EA	32" Diameter Half-Dome Plexiglas Dome Mirror	140.26	17.24
10 86 00 00-0020	EA	36" Diameter Half-Dome Plexiglas Dome Mirror	172.76	20.76
10 86 00 00-0021	EA	48" Diameter Half-Dome Plexiglas Dome Mirror	272.87	29.38
10 86 00 00-0022	EA	18" Diameter Quarter-Dome Plexiglas Dome Mirror	53.43	11.75
10 86 00 00-0023	EA	26" Diameter Quarter-Dome Plexiglas Dome Mirror	67.64	12.93
10 86 00 00-0024	EA	32" Diameter Quarter-Dome Plexiglas Dome Mirror	87.82	14.49
10 86 00 00-0025	EA	36" Diameter Quarter-Dome Plexiglas Dome Mirror	109.06	17.24
10 86 00 00-0026	EA	48" Diameter Quarter-Dome Plexiglas Dome Mirror	179.05	24.48

10 86 00 00-0027 Coated Plexiglas Dome Mirrors *(10 86 00 00-0001)*

10 86 00 00-0028	EA	18" Diameter Full-Dome Coated Plexiglas Dome Mirror	153.45	18.01
10 86 00 00-0029	EA	26" Diameter Full-Dome Coated Plexiglas Dome Mirror	233.72	19.58
10 86 00 00-0030	EA	36" Diameter Full-Dome Coated Plexiglas Dome Mirror	393.28	27.42
10 86 00 00-0031	EA	48" Diameter Full-Dome Coated Plexiglas Dome Mirror	604.43	39.17
10 86 00 00-0032	EA	18" Diameter Half-Dome Coated Plexiglas Dome Mirror	100.52	13.71
10 86 00 00-0033	EA	26" Diameter Half-Dome Coated Plexiglas Dome Mirror	147.18	14.88
10 86 00 00-0034	EA	36" Diameter Half-Dome Coated Plexiglas Dome Mirror	231.47	20.76
10 86 00 00-0035	EA	48" Diameter Half-Dome Coated Plexiglas Dome Mirror	381.09	29.38
10 86 00 00-0036	EA	18" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	73.81	11.75
10 86 00 00-0037	EA	26" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	101.94	12.93
10 86 00 00-0038	EA	32" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	131.10	14.49
10 86 00 00-0039	EA	36" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	168.00	17.24
10 86 00 00-0040	EA	48" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	261.93	24.48

10 86 00 00-0041 Circular Convex Security Mirrors *(10 86)*

Note: Includes all mounting hardware.

10 86 00 00-0042 Plexiglas Circular Convex Mirrors *(10 86 00 00-0041)*

Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.

10 86 00 00-0043	EA	12" Diameter Plexiglas Circular Convex Mirrors, Indoor	57.30	12.54
10 86 00 00-0044	EA	18" Diameter Plexiglas Circular Convex Mirrors, Indoor	73.35	13.71
10 86 00 00-0045	EA	26" Diameter Plexiglas Circular Convex Mirrors, Indoor	108.50	14.88
10 86 00 00-0046	EA	30" Diameter Plexiglas Circular Convex Mirrors, Indoor	134.96	17.24
10 86 00 00-0047	EA	36" Diameter Plexiglas Circular Convex Mirrors, Indoor	178.51	20.76
10 86 00 00-0048	EA	48" Diameter Plexiglas Circular Convex Mirrors, Indoor	312.01	29.38
10 86 00 00-0049	EA	18" Diameter Plexiglas Circular Convex Mirrors, Outdoor	92.81	13.71
10 86 00 00-0050	EA	26" Diameter Plexiglas Circular Convex Mirrors, Outdoor	131.53	14.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 86 00 00-0051	EA	36" Diameter Plexiglas Circular Convex Mirrors, Outdoor	187.72	20.76
10 86 00 00-0052	EA	48" Diameter Plexiglas Circular Convex Mirrors, Outdoor	339.64	29.38
10 86 00 00-0053		**Coated Plexiglas Circular Convex Mirrors** *(10 86 00 00-0041)*		
		Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.		
10 86 00 00-0054	EA	18" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	110.77	13.71
10 86 00 00-0055	EA	26" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	171.36	14.88
10 86 00 00-0056	EA	30" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	229.01	17.24
10 86 00 00-0057	EA	36" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	285.57	20.76
10 86 00 00-0058	EA	48" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	414.47	29.38
10 86 00 00-0059	EA	18" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	131.83	13.71
10 86 00 00-0060	EA	26" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	201.29	14.88
10 86 00 00-0061	EA	30" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	278.51	17.24
10 86 00 00-0062	EA	36" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	315.51	20.76
10 86 00 00-0063	EA	48" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	498.51	29.38
10 86 00 00-0064		**Security Mirrors** *(10 86)*		
10 86 00 00-0065	EA	8" x 10" Framed Stainless Steel Mirror With Mounting Plate	73.59	24.38
10 86 00 00-0066	EA	10" x 14" Framed Stainless Steel Mirror With Mounting Plate	80.76	24.38
10 86 00 00-0067	EA	16" x 20" Unframed Stainless Steel Mirror With Mounting Screws	135.98	20.31
10 86 00 00-0068	EA	8" x 10" Framed Stainless Steel Replacement Mirror	64.98	24.38
10 86 00 00-0069	EA	10" x 14" Framed Stainless Steel Replacement Mirror	95.54	24.38

END OF SECTION 10

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

11 Equipment

11 01 Operation And Maintenance Of Equipment *(11)*

11 01 10 Operation And Maintenance Of Vehicle And Pedestrian Equipment *(11 01)*

11 01 10 00-0001 Replacement Parking Equipment *(11 01 10)*

11 01 10 00-0002	EA	10' Wood Arm Replacement With Bolts	313.50	
11 01 10 00-0003	EA	12' Wood Arm Replacement With Bolts	328.77	
11 01 10 00-0004	EA	14' Wood Arm Replacement With Bolts	346.10	
11 01 10 00-0005	EA	12' Aluminum Arm Replacement With Bolts	455.94	
11 01 10 00-0006	EA	14' Aluminum Arm Replacement With Bolts	472.26	
11 01 10 00-0007	EA	16' Aluminum Arm Replacement With Bolts	666.60	
11 01 10 00-0008	EA	18' Aluminum Arm Replacement With Bolts	677.15	
11 01 10 00-0009	EA	20' Aluminum Arm Replacement With Bolts	696.47	
11 01 10 00-0010	EA	22' Aluminum Arm Replacement With Bolts	799.92	
11 01 10 00-0011	EA	24' Aluminum Arm Replacement With Bolts	813.85	

11 10 Vehicle And Pedestrian Equipment *(11)*

11 11 Vehicle Service Equipment *(11 10)*

11 11 19 Vehicle Lubrication Equipment *(11 11)*

11 11 19 00-0001 Lube Equipment *(11 11 19)*

11 11 19 00-0002 Hose Reels With Pumps, Not Including Piping *(11 11 19 00-0001)*

11 11 19 00-0003	EA	1 Reel Hose Reel With Pump, Not Including Piping	2,926.96	1,213.09
11 11 19 00-0004	EA	2 Reel Hose Reel With Pump, Not Including Piping	3,549.20	1,415.00
11 11 19 00-0005	EA	3 Reel Hose Reel With Pump, Not Including Piping	4,244.44	1,615.93
11 11 19 00-0006	EA	4 Reel Hose Reel With Pumps, Not Including Piping	4,902.90	1,818.36
11 11 19 00-0007	EA	5 Reel Hose Reel With Pumps, Not Including Piping	5,564.17	2,018.92
11 11 19 00-0008	EA	Diesel Refueling Station, Including Valves, Hose, Nozzle And Stand	3,988.15	972.86
11 11 19 00-0009	EA	Lube Station, Including Valves, Hose, Nozzle And Stand	3,306.25	898.03

11 11 19 00-0010 Wash Reels And Supports *(11 11 19)*

11 11 19 00-0011	EA	Hose Reel With 100' Hose, 1-1/2" High Pressure Hose	1,505.41	89.14
11 11 19 00-0012	EA	Wash Station Support	702.15	173.79

11 11 19 00-0013 Pneumatic Powered Pump *(11 11 19)*

Note: Excludes air compressor.

11 11 19 00-0014	EA	Pumping Unit - Oil/Gear Lube	2,668.16	67.72
11 11 19 00-0015	EA	Pumping Unit - Grease	3,681.22	67.72

11 11 19 00-0016 Pumping Unit Accessories *(11 11 19)*

11 11 19 00-0017	EA	Hose Reel - 1,000 PSI- Oil/Lube	1,827.21	50.81
11 11 19 00-0018	EA	Hose Reel - 5,000 PSI- Grease	2,085.54	50.81
11 11 19 00-0019	EA	Hose Reel - 160 PSI- Air	1,376.40	50.81
11 11 19 00-0020	EA	Control Valve - Oil/Lube	768.40	25.44
11 11 19 00-0021	EA	Control Valve - Grease	413.83	25.44

11 11 26 Vehicle-Washing Equipment *(11 11)*

Note: Complete equipment and installation for system. Excludes earthwork, concrete foundation, walls or housing.

11 11 26 00-0001 Brushless Type *(11 11 26)*

11 11 26 00-0002	EA	30' Vehicle Wash Equipment, Brushless	201,411.56	
11 11 26 00-0003	EA	50' Vehicle Wash Equipment, Brushless	224,762.17	
11 11 26 00-0004	EA	100' Vehicle Wash Equipment, Brushless	290,966.62	
11 11 26 00-0005	EA	130' Vehicle Wash Equipment, Brushless	340,939.88	

11 11 26 00-0006 Brush Type *(11 11 26)*

11 11 26 00-0007	EA	30' Vehicle Wash Equipment, Brush	131,670.80	
11 11 26 00-0008	EA	50' Vehicle Wash Equipment, Brush	160,570.84	
11 11 26 00-0009	EA	100' Vehicle Wash Equipment, Brush	232,104.29	
11 11 26 00-0010	EA	130' Vehicle Wash Equipment, Brush	286,177.01	

11 11 26 00-0011 High Pressure Water System *(11 11 26)*

11 11 26 00-0012	EA	High Pressure Water Equipment	48,333.42	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 11 26 00-0013		Car Wash Package Water Heater, Gas Fired *(11 11 26)* Note: Continuous duty, high recovery.		
11 11 26 00-0014	EA	180 MBH Car Wash Water Heater, 174 GPH	5,616.83	
11 11 26 00-0015	EA	280 MBH Car Wash Water Heater, 270 GPH	6,039.83	
11 11 26 00-0016	EA	400 MBH Car Wash Water Heater, 386 GPH	6,904.91	
11 11 26 00-0017	EA	480 MBH Car Wash Water Heater, 464 GPH	7,325.20	
11 11 26 00-0018	EA	605 MBH Car Wash Water Heater, 584 GPH	8,422.63	
11 11 26 00-0019	EA	700 MBH Car Wash Water Heater, 676 GPH	8,973.89	
11 11 26 00-0020	EA	1,000 MBH Car Wash Water Heater, 966 GPH	10,082.19	
11 11 26 00-0021	EA	1,200 MBH Car Wash Water Heater, 1,159 GPH	13,532.04	
11 11 26 00-0022	EA	1,400 MBH Car Wash Water Heater, 1,353 GPH	14,817.09	

11 12 Parking Control Equipment *(11 10)*

11 12 16 Parking Ticket Dispensers *(11 12)*

11 12 16 00-0001		Parking Ticket Dispensers *(11 12 16)*		
11 12 16 00-0002	EA	Standard Parking Ticket Dispenser With Printer	5,363.58	148.37
11 12 16 00-0003	EA	Rate Computing Parking Ticket Dispenser With Printer	7,154.13	148.37

11 12 23 Parking Meters *(11 12)*

11 12 23 00-0001		Parking Meters *(11 12 23)*		
11 12 23 00-0002	EA	Remove Parking Meter For Replacement Or Reinstall Existing Meter	152.31	

11 12 26 Parking Fee Collection Equipment *(11 12)*

11 12 26 00-0001		Parking Fee Collection Equipment *(11 12 26)*		
11 12 26 00-0002	EA	Multiple Station Slot Box For Parking Fee Collection	1,294.18	50.29

11 12 33 Parking Gates *(11 12)*

11 12 33 13 Lift Arm Parking Gates *(11 12 33)*

11 12 33 13-0001		Barrier Parking Gate Operators *(11 12 33 13)*		
11 12 33 13-0002		Barrier Parking Gate Operators *(11 12 33 13-0001)* Note: Includes operator and barrier arm. Excludes access controls and concrete foundation.		
11 12 33 13-0003	EA	12' Plastic Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080)	2,638.75	205.73
		For 230/460 Volt AC, Add	*322.50*	
11 12 33 13-0004	EA	14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080)	2,629.75	205.73
		For 230/460 Volt AC, Add	*322.50*	
11 12 33 13-0005	EA	14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080)	2,743.75	205.73
		For 230/460 Volt AC, Add	*322.50*	
11 12 33 13-0006	EA	20' Three Piece Wood Arm, 1 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1602-080)	3,876.15	205.73
		For 230/460 Volt AC, Add	*322.50*	
11 12 33 13-0007	EA	14' Wood Arm, 1/3 HP, 115 Volt AC, Barrier Parking Gate Operator With Two Built-In Vehicle Detectors (Federal APD G-90 CD)	4,526.08	205.73
11 12 33 13-0008	EA	14' Aluminum Arm, 1/3 HP, 115 Volt AC, Barrier Parking Gate Operator With Two Built-In Vehicle Detectors (Federal APD G-90 CD)	4,706.08	205.73
11 12 33 13-0009		Barrier Parking Gate Operators With Tire Shredding Traffic Control Spikes *(11 12 33 13-0001)* Note: Includes operator, barrier arm and tire shredding traffic control spikes. Excludes access controls and concrete foundation.		
11 12 33 13-0010	EA	14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 6' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	7,940.42	411.46
11 12 33 13-0011	EA	14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 9' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	9,282.71	411.46
11 12 33 13-0012	EA	14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 6' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	8,007.92	411.46
11 12 33 13-0013	EA	14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 9' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	9,350.21	411.46
11 12 33 13-0014		Barrier Parking Gate Operator Accessories *(11 12 33 13-0001)*		
11 12 33 13-0015	EA	12' Plastic Replacement Arm For Barrier Parking Gate Operators	109.16	17.07
11 12 33 13-0016	EA	14' Wood Replacement Arm For Barrier Parking Gate Operators	100.16	17.07
11 12 33 13-0017	EA	14' Aluminum Replacement Arm For Barrier Parking Gate Operators	214.16	17.07
11 12 33 13-0018	EA	20' Three Piece Wood Replacement Arm For Barrier Parking Gate Operators	315.41	17.07
11 12 33 13-0019	EA	Folding Wood Replacement Arm For Barrier Parking Gate Operators	289.16	17.07
11 12 33 13-0020	EA	Folding Plastic Replacement Arm For Barrier Parking Gate Operators	289.16	17.07
11 12 33 13-0021	EA	Folding Aluminum Replacement Arm For Barrier Parking Gate Operators	349.16	17.07
11 12 33 13-0022	EA	Heater Kit For Barrier Parking Gate Operators (DKS™ DoorKing® 1601-092)	373.69	102.47
11 12 33 13-0023	EA	Fan Kit For Barrier Parking Gate Operators (DKS™ DoorKing® 1601-093)	373.69	102.47
11 12 33 13-0024	EA	Single Channel Detector Loop For Barrier Parking Gate Operators (DKS™ DoorKing® 9410-010)	388.72	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 12 33 13-0025	EA	Two Channel Detector Loop For Barrier Parking Gate Operators (Federal APD DLD-10B)	988.68	
11 12 33 13-0026	EA	36" Tall, Gooseneck Style, Single Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls (Federal APD) Note: Includes mounting plate and hardware. Excludes concrete foundation.	562.10	17.07

11 12 36 Tire Shredders *(11 12)*

11 12 36 00-0001 Tire Shredding Traffic Control Spikes *(11 12 36)*

11 12 36 00-0002 Flush Mount, Tire Shredding Traffic Control Spikes *(11 12 36 00-0001)*

11 12 36 00-0003	EA	6' Section, Flush Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-081)	1,285.75	273.25

11 12 36 00-0004 Surface Mount, Tire Shredding Traffic Control Spikes *(11 12 36 00-0001)*

11 12 36 00-0005	EA	3' Section With End Caps, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-088)	2,161.63	136.63
11 12 36 00-0006	EA	3' Add-On Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-087)	1,561.63	136.63

11 12 36 00-0007 Warning Signs And Signals For Tire Shredding Traffic Control Spikes *(11 12 36 00-0001)*

11 12 36 00-0008	EA	Warning Sign For Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1615) Note: Includes light and mounting post.	979.97	51.23
11 12 36 00-0009	EA	Traffic Light Assembly For Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603) Note: Includes mounting post and hardware.	819.13	68.32

11 13 Loading Dock Equipment *(11 10)*

11 13 13 Loading Dock Bumpers *(11 13)*

11 13 13 00-0001 Laminated Rubber Dock Bumpers *(11 13 13)*

11 13 13 00-0002 4-1/2" Projection, Laminated Rubber Dock Bumpers *(11 13 13 00-0001)*

11 13 13 00-0003	EA	14" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	87.60	15.66
11 13 13 00-0004	EA	24" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	109.23	15.66
11 13 13 00-0005	EA	36" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	139.98	15.66
11 13 13 00-0006	EA	12" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	96.85	15.66
11 13 13 00-0007	EA	14" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	104.42	15.66
11 13 13 00-0008	EA	18" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	118.24	15.66
11 13 13 00-0009	EA	24" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	139.98	15.66
11 13 13 00-0010	EA	36" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	189.00	15.66
11 13 13 00-0011	EA	12" x 12", 4-1/2" Projection, Laminated Rubber Dock Bumper	109.11	15.66
11 13 13 00-0012	EA	12" x 14", 4-1/2" Projection, Laminated Rubber Dock Bumper	118.24	15.66
11 13 13 00-0013	EA	12" x 18", 4-1/2" Projection, Laminated Rubber Dock Bumper	144.31	15.66
11 13 13 00-0014	EA	12" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper	162.81	15.66
11 13 13 00-0015	EA	12" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper	222.88	15.66
11 13 13 00-0016	EA	11" x 20", 4-1/2" Projection, Laminated Rubber Dock Bumper	133.62	15.66
11 13 13 00-0017	EA	11" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper	155.00	15.66
11 13 13 00-0018	EA	11" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper	200.77	15.66

11 13 13 00-0019 6" Projection, Laminated Rubber Dock Bumpers *(11 13 13 00-0001)*

11 13 13 00-0020	EA	12" x 10", 6" Projection, Laminated Rubber Dock Bumper	122.21	15.66
11 13 13 00-0021	EA	14" x 10", 6" Projection, Laminated Rubber Dock Bumper	129.78	15.66
11 13 13 00-0022	EA	18" x 10", 6" Projection, Laminated Rubber Dock Bumper	148.04	15.66
11 13 13 00-0023	EA	24" x 10", 6" Projection, Laminated Rubber Dock Bumper	175.92	15.66
11 13 13 00-0024	EA	36" x 10", 6" Projection, Laminated Rubber Dock Bumper	237.31	15.66
11 13 13 00-0025	EA	12" x 12", 6" Projection, Laminated Rubber Dock Bumper	139.03	15.66
11 13 13 00-0026	EA	14" x 12", 6" Projection, Laminated Rubber Dock Bumper	145.28	15.66
11 13 13 00-0027	EA	18" x 12", 6" Projection, Laminated Rubber Dock Bumper	169.91	15.66
11 13 13 00-0028	EA	24" x 12", 6" Projection, Laminated Rubber Dock Bumper	206.67	15.66
11 13 13 00-0029	EA	36" x 12", 6" Projection, Laminated Rubber Dock Bumper	291.85	15.66
11 13 13 00-0030	EA	11" x 20", 6" Projection, Laminated Rubber Dock Bumper	175.80	15.66
11 13 13 00-0031	EA	11" x 24", 6" Projection, Laminated Rubber Dock Bumper	200.54	15.66
11 13 13 00-0032	EA	11" x 36", 6" Projection, Laminated Rubber Dock Bumper	249.08	15.66

11 13 13 00-0033 Extruded Rubber Dock Bumpers *(11 13 13)*

11 13 13 00-0034 1-3/4" Projection, Extruded Rubber Dock Bumpers *(11 13 13 00-0033)*

11 13 13 00-0035	EA	12" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	46.18	15.66
11 13 13 00-0036	EA	18" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	49.14	15.66
11 13 13 00-0037	EA	24" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	53.03	15.66
11 13 13 00-0038	EA	36" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	61.33	15.66

11 13 13 00-0039 4" Projection, Extruded Rubber Dock Bumpers *(11 13 13 00-0033)*

11 13 13 00-0040	EA	12" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	58.81	15.66
11 13 13 00-0041	EA	18" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	67.06	15.66
11 13 13 00-0042	EA	24" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	71.96	15.66
11 13 13 00-0043	EA	36" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	82.55	15.66

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 13 00-0044		6" Projection, Extruded Rubber Dock Bumpers *(11 13 13 00-0033)*		
11 13 13 00-0045	EA	12" x 6", 6" Projection, Extruded Rubber Dock Bumper	74.18	15.66
11 13 13 00-0046	EA	18" x 6", 6" Projection, Extruded Rubber Dock Bumper	90.83	15.66
11 13 13 00-0047	EA	24" x 6", 6" Projection, Extruded Rubber Dock Bumper	106.73	15.66
11 13 13 00-0048	EA	36" x 6", 6" Projection, Extruded Rubber Dock Bumper	140.23	15.66
11 13 13 00-0049		Molded Rubber Dock Bumpers *(11 13 13)*		
11 13 13 00-0050		Rectangular Molded Rubber Dock Bumpers *(11 13 13 00-0049)*		
11 13 13 00-0051	EA	18" x 8", 2" Projection, Rectangular Molded Rubber Dock Bumper	74.21	15.66
11 13 13 00-0052	EA	10" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper	64.95	15.66
11 13 13 00-0053	EA	20" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper	88.46	15.66
11 13 13 00-0054	EA	30" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper	111.92	15.66
11 13 13 00-0055	EA	24" x 12", 3" Projection, Rectangular Molded Rubber Dock Bumper	86.56	15.66
11 13 13 00-0056	EA	13" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper	67.06	15.66
11 13 13 00-0057	EA	18" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper	85.81	15.66
11 13 13 00-0058	EA	30" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper	158.26	15.66
11 13 13 00-0059	EA	13" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper	71.28	15.66
11 13 13 00-0060	EA	24" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper	101.46	15.66
11 13 13 00-0061	EA	18" x 18", 4" Projection, Rectangular Molded Rubber Dock Bumper	141.60	15.66
11 13 13 00-0062	EA	24" x 12", 6" Projection, Rectangular Molded Rubber Dock Bumper	192.12	15.66
11 13 13 00-0063		T And L Shaped Rubber Dock Bumpers *(11 13 13 00-0049)*		
11 13 13 00-0064	EA	22" x 22", 3" Projection, T Shaped Molded Rubber Dock Bumper	99.24	15.66
11 13 13 00-0065	EA	18" x 18", 4" Projection, L Shaped Molded Rubber Dock Bumper	90.18	15.66
11 13 16		**Loading Dock Seals And Shelters** *(11 13)*		
11 13 16 13		**Loading Dock Seals** *(11 13 16)*		
11 13 16 13-0001		Vinyl Loading Dock Seals *(11 13 16 13)*		
11 13 16 13-0002	LF	10" Projection, Standard Vinyl Dock Seal	70.39	15.66
11 13 16 13-0003	LF	11" Projection, Standard Vinyl Dock Seal	72.84	15.66
11 13 16 13-0004	LF	12" Projection, Standard Vinyl Dock Seal	74.16	15.66
11 13 16 13-0005	LF	13" Projection, Standard Vinyl Dock Seal	75.40	15.66
11 13 16 13-0006	LF	14" Projection, Standard Vinyl Dock Seal	76.73	15.66
11 13 16 13-0007	LF	15" Projection, Standard Vinyl Dock Seal	77.96	15.66
11 13 16 13-0008	LF	16" Projection, Standard Vinyl Dock Seal	79.29	15.66
11 13 16 13-0009	LF	17" Projection, Standard Vinyl Dock Seal	80.53	15.66
11 13 16 13-0010	LF	18" Projection, Standard Vinyl Dock Seal	81.86	15.66
11 13 16 13-0011	LF	19" Projection, Standard Vinyl Dock Seal	83.09	15.66
11 13 16 13-0012	LF	20" Projection, Standard Vinyl Dock Seal	84.42	15.66
11 13 16 13-0013		Drape Style, Vinyl Loading Dock Seals *(11 13 16 13)*		
11 13 16 13-0014	LF	10" Projection, Drape Style Vinyl Dock Seal	54.94	15.66
11 13 16 13-0015	LF	12" Projection, Drape Style Vinyl Dock Seal	56.18	15.66
11 13 16 13-0016	LF	14" Projection, Drape Style Vinyl Dock Seal	58.85	15.66
11 13 16 13-0017	LF	16" Projection, Drape Style Vinyl Dock Seal	61.57	15.66
11 13 16 13-0018	LF	18" Projection, Drape Style Vinyl Dock Seal	64.24	15.66
11 13 16 13-0019	LF	20" Projection, Drape Style Vinyl Dock Seal	66.95	15.66
11 13 16 13-0020	LF	22" Projection, Drape Style Vinyl Dock Seal	69.67	15.66
11 13 16 23		**Loading Dock Shelters** *(11 13 16)*		
11 13 16 23-0001		Retractable Vinyl Loading Dock Shelter *(11 13 16 23)*		
11 13 16 23-0002	LF	Retractable Vinyl Dock Shelters, Scissor Arms	102.76	19.57
11 13 16 23-0003		Rigid Loading Dock Shelters *(11 13 16 23)*		
11 13 16 23-0004	LF	18" Projection, Rigid Loading Dock Shelter	96.55	18.79
11 13 16 23-0005	LF	24" Projection, Rigid Loading Dock Shelter	101.20	18.79
11 13 16 23-0006	LF	30" Projection, Rigid Loading Dock Shelter	105.20	19.57
11 13 16 23-0007	LF	36" Projection, Rigid Loading Dock Shelter	107.76	19.57
11 13 19		**Stationary Loading Dock Equipment** *(11 13)*		
		Note: Includes all anchor bolts and fasteners.		
11 13 19 13		**Loading Dock Levelers** *(11 13 19)*		
11 13 19 13-0001		Hydraulic Dock Levelers *(11 13 19 13)*		
11 13 19 13-0002		20,000 LB Hydraulic Dock Levelers *(11 13 19 13-0001)*		
11 13 19 13-0003	EA	6' x 6', 20,000 LB Hydraulic Dock Leveler	6,973.49	568.87
11 13 19 13-0004	EA	6' x 8', 20,000 LB Hydraulic Dock Leveler	7,446.50	632.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 19 13-0005	EA	6' x 10', 20,000 LB Hydraulic Dock Leveler	9,157.03	758.50
11 13 19 13-0006	EA	7' x 6', 20,000 LB Hydraulic Dock Leveler	7,421.02	632.08
11 13 19 13-0007	EA	7' x 8', 20,000 LB Hydraulic Dock Leveler	8,072.07	695.29
11 13 19 13-0008	EA	7' x 10', 20,000 LB Hydraulic Dock Leveler	9,684.28	758.50
11 13 19 13-0009		25,000 LB Hydraulic Dock Levelers *(11 13 19 13-0001)*		
11 13 19 13-0010	EA	6' x 6', 25,000 LB Hydraulic Dock Leveler	7,126.32	568.87
11 13 19 13-0011	EA	6' x 8', 25,000 LB Hydraulic Dock Leveler	7,605.96	632.08
11 13 19 13-0012	EA	6' x 10', 25,000 LB Hydraulic Dock Leveler	9,306.47	758.50
11 13 19 13-0013	EA	7' x 6', 25,000 LB Hydraulic Dock Leveler	7,571.83	632.08
11 13 19 13-0014	EA	7' x 8', 25,000 LB Hydraulic Dock Leveler	8,212.42	695.29
11 13 19 13-0015	EA	7' x 10', 25,000 LB Hydraulic Dock Leveler	9,976.93	758.50
11 13 19 13-0016		30,000 LB Hydraulic Dock Levelers *(11 13 19 13-0001)*		
11 13 19 13-0017	EA	6' x 6', 30,000 LB Hydraulic Dock Leveler	7,445.30	663.69
11 13 19 13-0018	EA	6' x 8', 30,000 LB Hydraulic Dock Leveler	7,914.20	758.50
11 13 19 13-0019	EA	6' x 10', 30,000 LB Hydraulic Dock Leveler	9,663.37	884.91
11 13 19 13-0020	EA	7' x 6', 30,000 LB Hydraulic Dock Leveler	7,914.20	758.50
11 13 19 13-0021	EA	7' x 8', 30,000 LB Hydraulic Dock Leveler	8,538.54	853.31
11 13 19 13-0022	EA	7' x 10', 30,000 LB Hydraulic Dock Leveler	10,287.70	853.31
11 13 19 13-0023		35,000 LB Hydraulic Dock Levelers *(11 13 19 13-0001)*		
11 13 19 13-0024	EA	6' x 6', 35,000 LB Hydraulic Dock Leveler	7,708.83	632.08
11 13 19 13-0025	EA	6' x 8', 35,000 LB Hydraulic Dock Leveler	8,178.66	695.29
11 13 19 13-0026	EA	6' x 10', 35,000 LB Hydraulic Dock Leveler	10,321.38	821.71
11 13 19 13-0027	EA	7' x 6', 35,000 LB Hydraulic Dock Leveler	8,178.66	695.29
11 13 19 13-0028	EA	7' x 8', 35,000 LB Hydraulic Dock Leveler	8,875.38	758.50
11 13 19 13-0029	EA	7' x 10', 35,000 LB Hydraulic Dock Leveler	10,652.36	884.91
11 13 19 13-0030		40,000 LB Hydraulic Dock Levelers *(11 13 19 13-0001)*		
11 13 19 13-0031	EA	6' x 6', 40,000 LB Hydraulic Dock Leveler	8,194.75	632.08
11 13 19 13-0032	EA	6' x 8', 40,000 LB Hydraulic Dock Leveler	8,664.13	695.29
11 13 19 13-0033	EA	6' x 10', 40,000 LB Hydraulic Dock Leveler	10,432.76	821.71
11 13 19 13-0034	EA	7' x 6', 40,000 LB Hydraulic Dock Leveler	8,664.13	695.29
11 13 19 13-0035	EA	7' x 8', 40,000 LB Hydraulic Dock Leveler	9,361.41	758.50
11 13 19 13-0036	EA	7' x 10', 40,000 LB Hydraulic Dock Leveler	11,138.19	884.91
11 13 19 13-0037		45,000 LB Hydraulic Dock Levelers *(11 13 19 13-0001)*		
11 13 19 13-0038	EA	6' x 6', 45,000 LB Hydraulic Dock Leveler	8,578.13	695.29
11 13 19 13-0039	EA	6' x 8', 45,000 LB Hydraulic Dock Leveler	9,053.35	758.50
11 13 19 13-0040	EA	6' x 10', 45,000 LB Hydraulic Dock Leveler	10,815.16	884.91
11 13 19 13-0041	EA	7' x 6', 45,000 LB Hydraulic Dock Leveler	9,054.30	758.50
11 13 19 13-0042	EA	7' x 8', 45,000 LB Hydraulic Dock Leveler	9,747.21	821.71
11 13 19 13-0043	EA	7' x 10', 45,000 LB Hydraulic Dock Leveler	11,515.34	948.12
11 13 19 13-0044		Manual Dock Levelers *(11 13 19 13)*		
11 13 19 13-0045		20,000 LB Manual Dock Levelers *(11 13 19 13-0044)*		
11 13 19 13-0046	EA	6' x 6', 20,000 LB Manual Dock Leveler	5,391.49	568.87
11 13 19 13-0047	EA	6' x 8', 20,000 LB Manual Dock Leveler	5,874.49	632.08
11 13 19 13-0048	EA	6' x 10', 20,000 LB Manual Dock Leveler	7,575.03	758.50
11 13 19 13-0049	EA	7' x 6', 20,000 LB Manual Dock Leveler	5,840.44	632.08
11 13 19 13-0050	EA	7' x 8', 20,000 LB Manual Dock Leveler	6,490.07	695.29
11 13 19 13-0051	EA	7' x 10', 20,000 LB Manual Dock Leveler	8,263.62	758.50
11 13 19 13-0052		40,000 LB Manual Dock Levelers *(11 13 19 13-0044)*		
11 13 19 13-0053	EA	6' x 6', 40,000 LB Manual Dock Leveler	6,752.67	632.08
11 13 19 13-0054	EA	6' x 8', 40,000 LB Manual Dock Leveler	7,222.05	695.29
11 13 19 13-0055	EA	6' x 10', 40,000 LB Manual Dock Leveler	7,765.63	821.71
11 13 19 13-0056	EA	7' x 6', 40,000 LB Manual Dock Leveler	7,222.05	695.29
11 13 19 13-0057	EA	7' x 8', 40,000 LB Manual Dock Leveler	8,246.30	758.50
11 13 19 13-0058	EA	7' x 10', 40,000 LB Manual Dock Leveler	9,696.11	884.91
11 13 19 13-0059		Edge-Of-Dock Levelers *(11 13 19 13)* Note: Mounted on face of dock, single torsion bar counter balance, includes bumpers.		
11 13 19 13-0060		Hydraulic Edge-Of-Dock Levelers *(11 13 19 13-0059)*		
11 13 19 13-0061	EA	66" Usable Width, 20,000 LB Edge-Of-Dock Leveler, Hydraulic	3,136.00	189.62
11 13 19 13-0062	EA	72" Usable Width, 20,000 LB Edge-Of-Dock Leveler, Hydraulic	3,379.41	189.62
11 13 19 13-0063	EA	66" Usable Width, 25,000 LB Edge-Of-Dock Leveler, Hydraulic	3,350.91	189.62
11 13 19 13-0064	EA	72" Usable Width, 25,000 LB Edge-Of-Dock Leveler, Hydraulic	3,685.62	189.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 19 13-0065		Manual Edge-Of-Dock Levelers *(11 13 19 13-0059)*		
11 13 19 13-0066	EA	66" Usable Width, 20,000 LB Edge-Of-Dock Leveler, Manual	1,532.92	189.62
11 13 19 13-0067	EA	72" Usable Width, 20,000 LB Edge-Of-Dock Leveler, Manual	1,618.52	189.62
11 13 19 13-0068	EA	66" Usable Width, 25,000 LB Edge-Of-Dock Leveler, Manual	1,668.95	189.62
11 13 19 13-0069	EA	72" Usable Width, 25,000 LB Edge-Of-Dock Leveler, Manual	1,786.04	189.62
11 13 19 23		**Stationary Loading Dock Lifts** *(11 13 19)*		
11 13 19 23-0001		Top Of Ground, Fixed Platform Lifts *(11 13 19 23)*		
11 13 19 23-0002	EA	6' x 8', 5,500 LB Top Of Ground, Fixed Platform Lift	14,580.43	157.98
11 13 19 23-0003		Pit Mounted, Fixed Platform Lifts *(11 13 19 23)*		
11 13 19 23-0004	EA	6' x 8', 5,000 LB Fixed Platform Lift, Pit Mounted	8,895.18	157.98
11 13 19 23-0005	EA	6' x 8', 8,000 LB Fixed Platform Lift, Pit Mounted	17,189.56	236.96
11 13 19 23-0006	EA	7' x 12', 15,000 LB Fixed Platform Lift, Pit Mounted	32,571.01	473.93
11 13 19 23-0007	EA	8' x 20', 15,000 LB Fixed Platform Lift, Pit Mounted	31,412.32	631.89
11 13 19 26		**Loading Dock Truck Lifts** *(11 13 19)*		
11 13 19 26-0001		Hydraulic Truck Lifts *(11 13 19 26)*		
11 13 19 26-0002	EA	10' x 15', 60,000 LB Platform Truck Lift	27,861.81	1,292.30
11 13 19 26-0003	EA	10' x 20', 60,000 LB Platform Truck Lift	31,849.34	1,550.76
11 13 19 33		**Loading Dock Truck Restraints** *(11 13 19)*		
11 13 19 33-0001		Truck Restraint System *(11 13 19 33)*		
11 13 19 33-0002	EA	Truck Restraint System (Poweramp Powerstop AAL) Note: Includes push button controls, warning lights, alarms, 30,000 LB holding force, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.	6,555.64	237.03
11 13 19 33-0003	EA	Rotating Hook Truck Restraint System (Kelley Star 4) Note: Includes push button controls, warning lights, alarms, 32,000 LB holding force, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.	4,365.35	237.03
11 13 23		**Portable Dock Equipment** *(11 13)*		
11 13 23 23		**Portable Dock Platforms** *(11 13 23)*		
11 13 23 23-0001	EA	6' x 6', 5,000 LB Capacity Portable Platform Lift	13,708.92	85.39
11 13 26		**Loading Dock Lights** *(11 13)*		
11 13 26 00-0001		Communication Lights *(11 13 26)*		
11 13 26 00-0002	EA	Console Controlled, Dock Communication Light, Stop And Go Red Light Style, 12 Or 24 Volt DC Or 115 Volt AC Note: Excludes control console.	222.51	61.82
11 13 26 00-0003	EA	Toggle Switch Controlled, Dock Communication Light, Stop And Go Red Light Style, With Solid State Flasher, 12 Or 24 Volt DC Or 115 Volt AC	271.70	61.82
11 13 26 00-0004	EA	Dock Guide Light For Truck Backing	127.41	49.45
11 13 26 00-0005		Communication Lights Controls *(11 13 26)*		
11 13 26 00-0006	EA	Dock Communication Lights Control Console For Up To Two Docks	249.20	82.43
11 13 26 00-0007		Loading Dock Lights *(11 13 26)*		
11 13 26 00-0008		Incandescent Loading Dock Lights *(11 13 26 00-0007)*		
11 13 26 00-0009	EA	24" Long, Single Arm Loading Dock Light, 300W Incandescent	289.33	82.43
11 13 26 00-0010	EA	40" Long, Dual Arm Loading Dock Light, 300W Incandescent	305.10	82.43
11 13 26 00-0011	EA	60" Long, Dual Arm Loading Dock Light, 300W Incandescent	332.76	82.43
11 13 26 00-0012		Metal Halide Loading Dock Lights *(11 13 26 00-0007)*		
11 13 26 00-0013	EA	24" Long, Single Arm Loading Dock Light, 100W Metal Halide	490.82	82.43
11 13 26 00-0014	EA	40" Long, Dual Arm Loading Dock Light, 100W Metal Halide	540.21	82.43
11 13 26 00-0015	EA	60" Long, Dual Arm Loading Dock Light, 100W Metal Halide	579.70	82.43
11 13 26 00-0016		Quartz Halogen Loading Dock Lights *(11 13 26 00-0007)*		
11 13 26 00-0017	EA	24" Long, Single Arm Loading Dock Light, 500W Quartz Halogen	299.55	82.43
11 13 26 00-0018	EA	40" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen	330.80	82.43
11 13 26 00-0019	EA	60" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen	357.47	82.43

11 14 Pedestrian Control Equipment *(11 10)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 14 13		**Pedestrian Gates** *(11 14)*		
11 14 13 16		**Rotary Gates** *(11 14 13)*		
11 14 13 16-0001		Access Control Indoor Or Outdoor Impenetrability *(11 14 13 16)*		
11 14 13 16-0002		Mechanical *(11 14 13 16-0001)*		
11 14 13 16-0003		Galvanized Steel *(11 14 13 16-0002)*		
11 14 13 16-0004	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Galvanized Steel	6,850.79	1,065.66
11 14 13 16-0005	EA	One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Galvanized Steel	7,666.36	1,065.66
11 14 13 16-0006	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, 4 Rotor Sections, Galvanized Steel	15,005.73	1,589.92
11 14 13 16-0007	EA	One-Way, Double 7' High Exit Rotary Gate, 3 Or 4 Rotor Sections, Galvanized Steel	14,555.97	1,589.92
11 14 13 16-0008		Powder Coated Steel *(11 14 13 16-0002)*		
11 14 13 16-0009	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel	7,676.85	1,065.66
11 14 13 16-0010	EA	One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Powder Coated Steel	8,460.93	1,065.66
11 14 13 16-0011	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel	17,570.86	1,589.92
11 14 13 16-0012	EA	One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel	15,911.25	1,589.92
11 14 13 16-0013		Anodized Aluminum *(11 14 13 16-0002)*		
11 14 13 16-0014	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	8,035.16	1,065.66
11 14 13 16-0015	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Complete Anodized Aluminum	13,523.73	1,065.66
11 14 13 16-0016	EA	One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	15,845.28	1,589.92
11 14 13 16-0017	EA	One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Complete Anodized Aluminum	26,183.76	1,589.92
11 14 13 16-0018		Stainless Steel *(11 14 13 16-0002)*		
11 14 13 16-0019	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel	12,375.34	1,065.66
11 14 13 16-0020	EA	One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Stainless Steel	13,823.57	1,065.66
11 14 13 16-0021	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel	19,803.17	1,589.92
11 14 13 16-0022	EA	One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel	24,510.66	1,589.92
11 14 13 16-0023		Transparent *(11 14 13 16-0002)*		
11 14 13 16-0024	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Transparent	24,018.13	1,065.82
11 14 13 16-0025		Mechanical Options *(11 14 13 16-0001)*		
11 14 13 16-0026	EA	Out-of-Use Lock Option, Add	127.43	
11 14 13 16-0027	EA	Heel Protector (Each Heel Protector), Add	89.95	
11 14 13 16-0028		Electrical, One-Way *(11 14 13 16-0001)*		
11 14 13 16-0029		Galvanized Steel *(11 14 13 16-0028)*		
11 14 13 16-0030	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	7,212.10	1,065.66
11 14 13 16-0031	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel	8,029.16	1,065.66
11 14 13 16-0032	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	16,355.01	1,589.92
11 14 13 16-0033	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	15,139.16	1,589.92
11 14 13 16-0034	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel	16,355.01	1,589.92
11 14 13 16-0035		Powder Coated Steel *(11 14 13 16-0028)*		
11 14 13 16-0036	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	8,036.66	1,065.66
11 14 13 16-0037	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel	8,949.67	1,065.66
11 14 13 16-0038	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	21,615.70	1,589.92
11 14 13 16-0039	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	16,501.93	1,589.92
11 14 13 16-0040	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel	17,720.78	1,589.92
11 14 13 16-0041		Anodized Aluminum *(11 14 13 16-0028)*		
11 14 13 16-0042	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	8,186.58	1,065.66
11 14 13 16-0043	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	8,651.33	1,065.66
11 14 13 16-0044	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	13,973.49	1,065.66
11 14 13 16-0045	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	16,671.34	1,589.92
11 14 13 16-0046	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	18,453.89	1,589.92
11 14 13 16-0047	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	26,961.85	1,589.92
11 14 13 16-0048		Stainless Steel *(11 14 13 16-0028)*		
11 14 13 16-0049	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	13,132.44	1,065.66
11 14 13 16-0050	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	14,016.97	1,065.66
11 14 13 16-0051	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	22,615.67	1,589.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 14 13 16-0052	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	25,666.54	1,589.92
11 14 13 16-0053	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	28,213.68	1,589.92
11 14 13 16-0054		**Transparent** *(11 14 13 16-0028)*		
11 14 13 16-0055	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	21,953.73	1,065.82
11 14 13 16-0056	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	23,207.06	1,065.82
11 14 13 16-0057	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Panels	23,754.27	1,065.82
11 14 13 16-0058	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	38,992.93	1,589.92
11 14 13 16-0059	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	41,406.64	1,589.92
11 14 13 16-0060		**Electrical, Two-Way** *(11 14 13 16-0001)*		
11 14 13 16-0061		**Galvanized Steel** *(11 14 13 16-0060)*		
11 14 13 16-0062	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	7,733.82	1,065.66
11 14 13 16-0063	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel	8,574.87	1,065.66
11 14 13 16-0064	EA	Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	19,221.48	1,589.92
11 14 13 16-0065	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	16,070.16	1,589.92
11 14 13 16-0066		**Powder Coated Steel** *(11 14 13 16-0060)*		
11 14 13 16-0067	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	8,493.91	1,065.66
11 14 13 16-0068	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel	9,459.40	1,065.66
11 14 13 16-0069	EA	Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	22,068.46	1,589.92
11 14 13 16-0070	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	17,440.43	1,589.92
11 14 13 16-0071		**Anodized Aluminum** *(11 14 13 16-0060)*		
11 14 13 16-0072	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	8,700.80	1,065.66
11 14 13 16-0073	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	9,144.57	1,065.66
11 14 13 16-0074	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	14,571.67	1,065.66
11 14 13 16-0075	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	17,719.28	1,589.92
11 14 13 16-0076	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	27,934.83	1,589.92
11 14 13 16-0077		**Stainless Steel** *(11 14 13 16-0060)*		
11 14 13 16-0078	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	13,639.17	1,065.66
11 14 13 16-0079	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	14,538.69	1,065.66
11 14 13 16-0080	EA	Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	22,987.47	1,589.92
11 14 13 16-0081	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	26,416.14	1,589.92
11 14 13 16-0082	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	29,248.13	1,589.92
11 14 13 16-0083		**Transparent** *(11 14 13 16-0060)*		
11 14 13 16-0084	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	22,388.50	1,065.82
11 14 13 16-0085	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	23,566.87	1,065.82
11 14 13 16-0086	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Panels	24,243.01	1,065.82
11 14 13 16-0087	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	39,907.44	1,589.92
11 14 13 16-0088	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	42,156.24	1,589.92
11 14 13 16-0089		**Electrical Options** *(11 14 13 16-0001)*		
11 14 13 16-0090	EA	Additional Set Of Electric Controls, Per Rotor, Add	499.23	
11 14 13 16-0091	EA	Indicator Lights, Set, Red/Green, Per Controlled Direction, Add	350.81	
11 14 13 16-0092	EA	Time-Out-Relay, Per Controlled Direction	115.44	
11 14 13 16-0093	EA	Pulse-Relay, Per Controlled Direction	115.44	
11 14 13 16-0094	EA	Pushbutton, Per Controlled Direction	91.45	
11 14 13 16-0095	EA	Heel Protectors, (Per Heel Protector), Add	89.95	
11 14 13 16-0096	EA	Card Reader Mounting Pad, Per Reader	82.46	
11 14 13 16-0097	EA	Hydraulic Speed Control (Per Rotor), Add	2,094.38	
11 14 13 16-0098		**Relocate Rotary Gate** *(11 14 13 16-0001)*		
11 14 13 16-0099	EA	Relocate Rotary Gate	3,130.35	
11 14 13 19		**Turnstiles** *(11 14 13)*		
11 14 13 19-0001		**Security Turnstiles** *(11 14 13 19)*		
11 14 13 19-0002	EA	7' Security Turnstile With Automatic Control Free Turning Note: One direction, Type B.	7,106.88	528.91
11 14 13 19-0003	EA	7' Security Turnstile, Type B Free Turning In Both Directions	6,283.41	528.91
11 14 13 19-0004	EA	7' Security Turnstile With Automatic Control Free Turning Note: One direction, Type AA.	8,384.45	528.91
11 14 13 19-0005	EA	7' Security Turnstile, Type AA Free Turning In Both Directions	7,630.51	528.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 14 13 19-0006		Turnstiles *(11 14 13 19)*		
11 14 13 19-0007	EA	24" Diameter Manual Turnstile, Three Arm, Two Way	1,512.66	296.20
11 14 13 19-0008	EA	24" Diameter Manual Turnstile, Three Arm, Two Way With Counter	1,934.79	296.20

11 20 Commercial Equipment *(11)*

11 21 Retail and Service Equipment *(11 20)*

11 21 63 Refrigerated Display Equipment *(11 21)*

11 21 63 00-0001		Dairy Products *(11 21 63)*		
11 21 63 00-0002		Refrigerated Dairy Case *(11 21 63 00-0001)*		
11 21 63 00-0003	LF	Refrigerated Case, Dairy, Multi-Deck	1,120.37	243.98
		For Rear Sliding Doors, Add	*19.95*	
11 21 63 00-0004		Refrigerated Milk Unit *(11 21 63 00-0001)*		
11 21 63 00-0005	EA	46" x 32" x 49-1/2" Capacity: 12, 13" x 13" x 11" Refrigerated Milk Unit	4,847.03	177.48
11 21 63 00-0006		Refrigerated Ice Cream And Milk Dispenser *(11 21 63 00-0001)*		
11 21 63 00-0007	EA	63-1/2" x 28-1/2" x 35-3/8" Refrigerated Ice Cream And Milk Dispenser	5,373.43	194.91
11 21 63 00-0008		Ice Cream Dispenser *(11 21 63 00-0001)*		
11 21 63 00-0009	EA	46" x 28-1/2" x 35-3/8" Refrigerated Ice Cream Dispenser	4,488.42	164.11
11 21 63 00-0010		Drop-In Ice Cream Freezer *(11 21 63 00-0001)*		
11 21 63 00-0011	EA	27-7/8" x 16-9/16" x 28-1/4" 6 Gallon Drop-In Ice Cream Freezer	1,119.34	40.85
11 21 63 00-0012	EA	30" x 27-7/8" x 28-1/4" 12 Gallon Drop-In Ice Cream Freezer	1,462.67	53.41
11 21 63 00-0013		Ice Cream Cabinets *(11 21 63 00-0001)*		
11 21 63 00-0014	EA	46" x 32" x 42", 24 Gallon Ice Cream Cabinet	3,505.60	127.64
11 21 63 00-0015	EA	68" x 32" x 42", 48 Gallon Ice Cream Cabinet	4,994.88	184.20
11 21 63 00-0016		Delicatessen Case, Service Deli *(11 21 63)*		
11 21 63 00-0017	LF	Delicatessen Case, Single-Deck	1,083.31	203.32
11 21 63 00-0018	LF	Delicatessen Case, Multi-Deck	1,229.93	243.98
11 21 63 00-0019	EA	Delicatessen Case, 3 Shelf, 32" x 23" x 23"	1,296.37	55.20
11 21 63 00-0020		Meat Case *(11 21 63)*		
11 21 63 00-0021	LF	Meat Case, Single - Deck	844.27	243.98
11 21 63 00-0022	LF	Meat Case, Multi - Deck	912.51	243.98
11 21 63 00-0023		Produce Case *(11 21 63)*		
11 21 63 00-0024	LF	Produce Case, Single - Deck	874.65	243.98
11 21 63 00-0025	LF	Produce Case, Multi - Deck	960.98	243.98
11 21 63 00-0026		Bottle Coolers *(11 21 63)*		
11 21 63 00-0027	EA	Bottle Cooler, 6' Long	3,201.11	813.28
11 21 63 00-0028	EA	Bottle Cooler, 10' Long	4,891.99	1,219.92
11 21 63 00-0029		Cold Pan Units *(11 21 63)*		
11 21 63 00-0030	EA	5" x 48", Iced, Cold Pan Units	1,794.06	65.00
11 21 63 00-0031	EA	5" x 72", Iced, Cold Pan Units	2,492.82	90.93
11 21 63 00-0032	EA	8" x 72", Iced, Cold Pan Units	2,947.39	107.54
11 21 63 00-0033	EA	5" x 48", Mechanical, Cold Pan Units	3,030.28	111.11
11 21 63 00-0034	EA	8" x 48", Mechanical, Cold Pan Units	3,297.73	119.95
11 21 63 00-0035	EA	8" x 72", Mechanical, Cold Pan Units	3,918.11	141.74
11 21 63 00-0036		Cold Cabinets (Insulated) *(11 21 63)*		
11 21 63 00-0037	EA	69-3/4" x 32" x 24", Insulated Cold Cabinet	1,627.96	56.24

11 26 Compact Kitchens *(11 20)*

11 26 13 Metal Compact Kitchens *(11 26)*

Note: Includes electrical hook-up to outlet, supply line connection to service stops, and drain line and p-trap. Excludes

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
		garbage disposer and hood exhaust vent piping.		
11 26 13 00-0001		30" Compact Kitchen *(11 26 13)*		
11 26 13 00-0002	EA	30" Compact Unit Kitchen With Refrigerator, Range And Sink	1,992.15	406.48
		For Gas Unit, Add	*217.53*	
11 26 13 00-0003	EA	30" Compact Unit Kitchen With Refrigerator And Sink	1,709.07	284.54
11 26 13 00-0004	EA	30" Compact Unit Kitchen With Refrigerator And Range	1,567.77	243.89
11 26 13 00-0005	EA	30" Compact Unit Kitchen Cabinet For Upper Wall Section	474.91	234.91
11 26 13 00-0006	EA	30" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section	992.21	156.60
		For Range Hood In Upper Section, Add	*179.00*	
11 26 13 00-0007	EA	30" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	64.71	13.66
11 26 13 00-0008	EA	30" Compact Unit Kitchen Stainless Steel Shield For Side Wall	58.07	13.66
11 26 13 00-0009		42" Compact Kitchen *(11 26 13)*		
11 26 13 00-0010	EA	42" Compact Unit Kitchen With Refrigerator, Range And Sink	2,326.25	447.13
		For Gas Unit, Add	*259.51*	
11 26 13 00-0011	EA	42" Compact Unit Kitchen With Refrigerator And Sink	2,107.66	365.83
11 26 13 00-0012	EA	42" Compact Unit Kitchen Cabinet For Upper Wall Section	606.23	133.11
11 26 13 00-0013	EA	42" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section	1,152.36	176.18
		For Range Hood In Upper Section, Add	*179.00*	
11 26 13 00-0014	EA	42" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	78.00	13.66
11 26 13 00-0015	EA	42" Compact Unit Kitchen Stainless Steel Shield For Side Wall	64.92	13.66
11 26 13 00-0016		54" Compact Kitchen *(11 26 13)*		
11 26 13 00-0017	EA	54" Compact Unit Kitchen With Refrigerator, Oven, Range And Sink	3,158.14	569.07
		For Gas Unit, Add	*359.91*	
11 26 13 00-0018	EA	54" Compact Unit Kitchen Cabinet For Upper Wall Section	753.21	78.30
11 26 13 00-0019	EA	54" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section	1,281.51	195.75
		For Range Hood In Upper Section, Add	*179.00*	
11 26 13 00-0020	EA	54" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	90.88	13.66
11 26 13 00-0021	EA	54" Compact Unit Kitchen Stainless Steel Shield For Side Wall	67.51	13.66
11 26 13 00-0022		60" Compact Kitchen *(11 26 13)*		
11 26 13 00-0023	EA	60" Compact Unit Kitchen With Refrigerator, Oven, Range, And Sink	3,319.44	609.71
		For Gas Unit, Add	*375.97*	
11 26 13 00-0024	EA	60" Compact Unit Kitchen Cabinet For Upper Wall Section	891.51	195.75
11 26 13 00-0025	EA	60" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	96.49	13.66
11 26 13 00-0026	EA	60" Compact Unit Kitchen Stainless Steel Shield For Side Wall	67.51	13.66
11 26 13 00-0027		72" Compact Kitchen *(11 26 13)*		
11 26 13 00-0028	EA	72" Compact Unit Kitchen With Refrigerator, Oven, Range And Sink	3,560.73	650.37
		For Gas Unit, Add	*404.04*	
11 26 13 00-0029	EA	72" Compact Unit Kitchen Cabinet For Upper Wall Section	1,089.81	234.91
11 26 13 00-0030	EA	72" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	112.67	17.07
11 26 13 00-0031	EA	72" Compact Unit Kitchen Stainless Steel Shield For Side Wall	70.61	17.07

11 30 Residential Equipment *(11)*

11 30 13 Residential Appliances *(11 30)*

11 30 13 13 Residential Kitchen Appliances *(11 30 13)*

Note: Includes standard colors. Excludes stainless steel.

11 30 13 13-0001		Ranges With Ovens *(11 30 13 13)*		
		Note: Free standing or slide in.		
11 30 13 13-0002		Electric Ranges With Ovens *(11 30 13 13-0001)*		
11 30 13 13-0003	EA	20" Electric Range With Oven	485.63	68.32
		For Stainless Steel, Add	*87.25*	
11 30 13 13-0004	EA	24" Electric Range With Oven	505.63	68.32
		For Stainless Steel, Add	*92.25*	
11 30 13 13-0005	EA	30" Electric Range With Oven	535.63	68.32
		For Stainless Steel, Add	*99.75*	
11 30 13 13-0006		Gas Ranges With Ovens *(11 30 13 13-0001)*		
11 30 13 13-0007	EA	20" Gas Range With Oven	535.63	68.32
		For Stainless Steel, Add	*99.75*	
11 30 13 13-0008	EA	24" Gas Range With Oven	561.63	68.32
		For Stainless Steel, Add	*106.25*	
11 30 13 13-0009	EA	30" Gas Range With Oven	585.63	68.32
		For Stainless Steel, Add	*112.25*	
11 30 13 13-0010		Range Hoods *(11 30 13 13)*		
11 30 13 13-0011		Venting Range Hoods *(11 30 13 13-0010)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0012	EA	21" Venting Range Hood (Broan 40000)	181.16	51.23
		For Stainless Steel, Add	*11.80*	
11 30 13 13-0013	EA	24" Venting Range Hood (Broan 40000)	169.47	51.23
		For Stainless Steel, Add	*10.05*	
11 30 13 13-0014	EA	30" Venting Range Hood (Broan 40000)	167.42	51.23
		For Stainless Steel, Add	*9.74*	
11 30 13 13-0015	EA	36" Venting Range Hood (Broan 40000)	169.47	51.23
		For Stainless Steel, Add	*10.05*	

11 30 13 13-0016 Non-Ducted Range Hoods *(11 30 13 13-0010)*

11 30 13 13-0017	EA	21" Non Ducted Range Hood (Broan 41000)	182.67	51.23
		For Stainless Steel, Add	*12.03*	
11 30 13 13-0018	EA	24" Non Ducted Range Hood (Broan 41000)	171.02	51.23
		For Stainless Steel, Add	*10.28*	
11 30 13 13-0019	EA	30" Non Ducted Range Hood (Broan 41000)	168.96	51.23
		For Stainless Steel, Add	*9.97*	
11 30 13 13-0020	EA	36" Non Ducted Range Hood (Broan 41000)	171.02	51.23
		For Stainless Steel, Add	*10.28*	

11 30 13 13-0021 Microwaves *(11 30 13 13)*

11 30 13 13-0022 Countertop Microwaves *(11 30 13 13-0021)*

11 30 13 13-0023	EA	1.1 CF Countertop Microwave Oven	99.07	8.54
		For Stainless Steel, Add	*12.30*	
11 30 13 13-0024	EA	1.2 CF Countertop Microwave Oven	117.06	8.54
		For Stainless Steel, Add	*15.00*	
11 30 13 13-0025	EA	1.3 CF Countertop Microwave Oven	120.06	8.54
		For Stainless Steel, Add	*15.45*	
11 30 13 13-0026	EA	1.4 CF Countertop Microwave Oven	146.07	8.54
		For Stainless Steel, Add	*19.35*	
11 30 13 13-0027	EA	1.5 CF Countertop Microwave Oven	156.07	8.54
		For Stainless Steel, Add	*20.85*	
11 30 13 13-0028	EA	1.6 CF Countertop Microwave Oven	166.07	8.54
		For Stainless Steel, Add	*22.35*	
11 30 13 13-0029	EA	1.7 CF Countertop Microwave Oven	176.07	8.54
		For Stainless Steel, Add	*23.85*	
11 30 13 13-0030	EA	1.8 CF Countertop Microwave Oven	186.07	8.54
		For Stainless Steel, Add	*25.35*	
11 30 13 13-0031	EA	2.0 CF Countertop Microwave Oven	197.06	8.54
		For Stainless Steel, Add	*27.00*	

11 30 13 13-0032 Over-The-Range Microwaves *(11 30 13 13-0021)*

11 30 13 13-0033	EA	1.5 CF Over-The Range Microwave	358.04	68.31
		For Stainless Steel, Add	*38.34*	
11 30 13 13-0034	EA	1.6 CF Over-The Range Microwave	401.45	68.31
		For Stainless Steel, Add	*44.85*	
11 30 13 13-0035	EA	1.7 CF Over-The Range Microwave	415.44	68.31
		For Stainless Steel, Add	*46.95*	
11 30 13 13-0036	EA	1.8 CF Over-The Range Microwave	520.44	68.31
		For Stainless Steel, Add	*62.70*	
11 30 13 13-0037	EA	2.0 CF Over-The Range Microwave	421.45	68.31
		For Stainless Steel, Add	*47.85*	

11 30 13 13-0038 Trash Compactors *(11 30 13 13)*

11 30 13 13-0039	EA	15" Built-In Trash Compactor, 4 To 1 Compaction	785.63	68.32
		For Stainless Steel, Add	*116.82*	

11 30 13 13-0040 Refrigerators *(11 30 13 13)*

11 30 13 13-0041 Top Freezer Refrigerators *(11 30 13 13-0040)*

11 30 13 13-0042	EA	Up To 10 CF Top Freezer Refrigerator	388.31	34.16
		For Stainless Steel, Add	*48.00*	
11 30 13 13-0043	EA	>10 To 12 CF Top Freezer Refrigerator	467.32	34.16
		For Stainless Steel, Add	*59.85*	
11 30 13 13-0044	EA	>12 To 14 CF Top Freezer Refrigerator	518.31	34.16
		For Stainless Steel, Add	*67.50*	
11 30 13 13-0045	EA	>14 To 16 CF Top Freezer Refrigerator	548.31	34.16
		For Stainless Steel, Add	*72.00*	
11 30 13 13-0046	EA	>16 To 18 CF Top Freezer Refrigerator	628.31	34.16
		For Stainless Steel, Add	*84.00*	
11 30 13 13-0047	EA	>18 To 20 CF Top Freezer Refrigerator	697.32	34.16
		For Stainless Steel, Add	*94.35*	
11 30 13 13-0048	EA	>20 To 22 CF Top Freezer Refrigerator	748.31	34.16
		For Stainless Steel, Add	*102.00*	

11 30 13 13-0049 Side-By-Side Refrigerators *(11 30 13 13-0040)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0050	EA	Up To 22 CF Side-By-Side Refrigerator	768.20	34.16
		For Stainless Steel, Add	*104.98*	
11 30 13 13-0051	EA	>22 To 24 CF Side-By-Side Refrigerator	948.31	34.16
		For Stainless Steel, Add	*132.00*	
11 30 13 13-0052	EA	>24 To 26 CF Side-By-Side Refrigerator	1,068.31	34.16
		For Stainless Steel, Add	*150.00*	
11 30 13 13-0053		**Other Refrigerators** *(11 30 13 13-0040)*		
11 30 13 13-0054	EA	1.7 CF Dormitory Sized Refrigerator	132.26	17.07
		For Stainless Steel, Add	*14.72*	
11 30 13 13-0055	EA	4.4 CF Dormitory Sized Refrigerator	177.26	17.07
		For Stainless Steel, Add	*21.47*	
11 30 13 13-0056		**Freezers** *(11 30 13 13)*		
11 30 13 13-0057		**Upright Freezers** *(11 30 13 13-0056)*		
11 30 13 13-0058	EA	Up To 10 CF Upright Freezer	367.32	34.16
		For Stainless Steel, Add	*44.85*	
11 30 13 13-0059	EA	>10 To 12 CF Upright Freezer	467.32	34.16
		For Stainless Steel, Add	*59.85*	
11 30 13 13-0060	EA	>12 To 14 CF Upright Freezer	497.32	34.16
		For Stainless Steel, Add	*64.35*	
11 30 13 13-0061	EA	>14 To 16 CF Upright Freezer	567.32	34.16
		For Stainless Steel, Add	*74.85*	
11 30 13 13-0062	EA	>16 To 18 CF Upright Freezer	648.31	34.16
		For Stainless Steel, Add	*87.00*	
11 30 13 13-0063	EA	>18 To 20 CF Upright Freezer	688.32	34.16
		For Stainless Steel, Add	*93.00*	
11 30 13 13-0064	EA	>20 To 22 CF Upright Freezer	718.31	34.16
		For Stainless Steel, Add	*97.50*	
11 30 13 13-0065		**Chest Freezers** *(11 30 13 13-0056)*		
11 30 13 13-0066	EA	Up To 8 CF Chest Freezer	298.31	34.16
		For Stainless Steel, Add	*34.50*	
11 30 13 13-0067	EA	>8 To 10 CF Chest Freezer	368.31	34.16
		For Stainless Steel, Add	*45.00*	
11 30 13 13-0068	EA	>10 To 12 CF Chest Freezer	393.32	34.16
		For Stainless Steel, Add	*48.75*	
11 30 13 13-0069	EA	>12 To 14 CF Chest Freezer	438.31	34.16
		For Stainless Steel, Add	*55.50*	
11 30 13 13-0070	EA	>14 To 16 CF Chest Freezer	467.32	34.16
		For Stainless Steel, Add	*59.85*	
11 30 13 13-0071	EA	>16 To 18 CF Chest Freezer	567.32	34.16
		For Stainless Steel, Add	*74.85*	
11 30 13 13-0072	EA	>18 To 20 CF Chest Freezer	697.32	34.16
		For Stainless Steel, Add	*94.35*	
11 30 13 13-0073	EA	>20 To 22 CF Chest Freezer	718.31	34.16
		For Stainless Steel, Add	*97.50*	
11 30 13 13-0074		**Automatic Ice Makers** *(11 30 13 13)*		
11 30 13 13-0075	EA	15" Wide, 50 LB Per Day, Automatic Ice Maker	1,334.63	68.32
11 30 13 13-0076	EA	18" Wide, 50 LB Per Day, Automatic Ice Maker	1,484.63	68.32
11 30 13 13-0077		**Built-In Dishwashers** *(11 30 13 13)*		
11 30 13 13-0078	EA	18" Built-In Dishwasher	666.62	68.32
		For Stainless Steel, Add	*79.50*	
11 30 13 13-0079	EA	24" Built-In Dishwasher	456.62	68.32
		For Stainless Steel, Add	*48.00*	
11 30 13 13-0080		**Disposals** *(11 30 13 13)*		
11 30 13 13-0081	EA	1/3 HP Insulated Garbage Disposal (GE GFC320V)	171.47	51.23
11 30 13 13-0082	EA	1/2 HP Insulated Garbage Disposal (GE GFC520V)	191.47	51.23
11 30 13 13-0083	EA	3/4 HP Insulated Garbage Disposal (GE GFC720V)	241.47	51.23
11 30 13 13-0084	EA	1 HP Insulated Garbage Disposal (GE GFC1020V)	291.47	51.23
11 30 13 13-0085		**Removal And Reinstallation Of Kitchen Equipment** *(11 30 13 13)*		
		Note: Includes storage, cleaning and final connections.		
11 30 13 13-0086	EA	Remove And Reinstall Garbage Disposal	102.47	
11 30 13 13-0087	EA	Remove And Reinstall Stove/Range	204.94	
11 30 13 13-0088	EA	Remove And Reinstall Dishwasher	218.61	
11 30 13 13-0089	EA	Remove And Reinstall Range Hood	102.47	
11 30 13 13-0090	EA	Remove And Reinstall Washer And Dryer	170.78	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0091		Appliance Repair *(11 30 13 13)* Note: Includes removal.		
11 30 13 13-0092	EA	8" Burner Replacement	20.98	
11 30 13 13-0093	EA	4" Burner Element Replacement	35.99	
11 30 13 13-0094	EA	8" Burner Element Replacement	41.50	
11 30 13 13-0095	EA	Burner Manifold Replacement	146.16	
11 30 13 13-0096	EA	Burner Switch Replacement	57.53	
11 30 13 13-0097	EA	Burner Tube, 5/8" x 4' Replacement	28.11	
11 30 13 13-0098	EA	Oven Control Replacement	68.20	
11 30 13 13-0099	EA	Oven Door Gasket Replacement	28.81	
11 30 13 13-0100	EA	Oven Element Replacement	63.73	
11 30 13 13-0101	EA	Oven Igniter Replacement	45.74	
11 30 13 13-0102	EA	Oven Knobs Replacement	34.61	
11 30 13 13-0103		Accessories *(11 30 13 13)*		
11 30 13 13-0104	SF	Colored Metal Range Splash Plate	11.26	2.73
11 30 13 13-0105	SF	Stainless Steel Range Splash Plate	15.92	2.73
11 30 13 13-0106		Automatic Water Softener *(11 30 13 13)*		
11 30 13 13-0107	EA	30,000 Grain Capacity, Water Softener (Whirlpool WHES30)	717.52	149.67
11 30 13 13-0108	EA	40,000 Grain Capacity, Water Softener (Whirlpool WHES40)	840.36	149.67
11 30 13 23		**Residential Laundry Appliances** *(11 30 13)*		
11 30 13 23-0001		Washing Machines And Dryers *(11 30 13 23)*		
11 30 13 23-0002		Washing Machines *(11 30 13 23-0001)*		
11 30 13 23-0003	EA	Up To 3.5 CF, Top Load Washing Machine	512.46	68.32
11 30 13 23-0004	EA	>3.5 To 4 CF, Top Load Washing Machine	802.46	68.32
11 30 13 23-0005	EA	>4 To 5 CF, Top Load Washing Machine	1,052.46	68.32
11 30 13 23-0006		Dryers *(11 30 13 23-0001)*		
11 30 13 23-0007		Electric Dryers *(11 30 13 23-0006)*		
11 30 13 23-0008	EA	Up To 6 CF, Electric Dryer	401.47	68.32
11 30 13 23-0009	EA	>6 To 6.5 CF, Electric Dryer	502.46	68.32
11 30 13 23-0010	EA	>6.5 To 7 CF, Electric Dryer	612.46	68.32
11 30 13 23-0011	EA	>7 To 7.5 CF, Electric Dryer	692.46	68.32
11 30 13 23-0012		Gas Dryers *(11 30 13 23-0006)*		
11 30 13 23-0013	EA	Up To 6 CF, Gas Dryer	472.46	68.32
11 30 13 23-0014	EA	>6 To 6.5 CF, Gas Dryer	572.46	68.32
11 30 13 23-0015	EA	>6.5 To 7 CF, Gas Dryer	672.35	68.32
11 30 13 23-0016	EA	>7 To 7.5 CF, Gas Dryer	762.46	68.32
11 30 33		Retractable Stairs *(11 30)*		
11 30 33 00-0001		Disappearing Folding Access Stairs *(11 30 33)*		
11 30 33 00-0002		250 LB Capacity, Wood Folding Access Stairs *(11 30 33 00-0001)*		
11 30 33 00-0003	EA	22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity	489.29	156.66
11 30 33 00-0004	EA	22-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity	497.75	156.66
11 30 33 00-0005	EA	25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity	497.75	156.66
11 30 33 00-0006	EA	25-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity	506.00	156.66
11 30 33 00-0007		350 LB Capacity, Wood Folding Access Stairs *(11 30 33 00-0001)*		
11 30 33 00-0008	EA	22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity	566.51	156.66
11 30 33 00-0009	EA	22-1/2" x 54" Rough Opening, 8' 9" To 10' 3" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity	583.61	156.66
11 30 33 00-0010	EA	25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity	576.58	156.66
11 30 33 00-0011	EA	25-1/2" x 54" Rough Opening, 8' 9" To 10' 3" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity	592.92	156.66
11 30 33 00-0012	EA	30" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity	586.35	156.66
11 30 33 00-0013	EA	30" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity	614.59	156.66
11 30 33 00-0014		300 LB Capacity, Aluminum Folding Access Stairs *(11 30 33 00-0001)*		
11 30 33 00-0015	EA	22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity	589.31	156.66
11 30 33 00-0016	EA	22-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity	615.00	156.66
11 30 33 00-0017	EA	25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity	596.47	156.66
11 30 33 00-0018	EA	25-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity	622.14	156.66
11 30 33 00-0019	EA	25-1/2" x 54" Rough Opening, 10' 5" To 12' Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity	765.10	156.66
11 30 33 00-0020		300 LB Capacity, Steel Folding Access Stairs *(11 30 33 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 33 00-0021	EA	22-1/2" x 54" Rough Opening, 7' 3" To 8' 4" Ceiling Height, Steel Folding Access Stairs, 300 LB Capacity	540.17	156.66
11 30 33 00-0022	EA	22-1/2" x 54" Rough Opening, 8' 4" To 10' 3" Ceiling Height, Steel Folding Access Stairs, 300 LB Capacity	564.25	156.66

11 40 Foodservice Equipment *(11)*

11 41 Foodservice Storage Equipment *(11 40)*

11 41 13 Refrigerated Food Storage Cases *(11 41)*

11 41 13 00-0001 Frozen Food Cases *(11 41 13)*

11 41 13 00-0002	LF	Chest Type Frozen Food Case	869.28	243.98
11 41 13 00-0003	LF	Reach-in Frozen Food Case (Glass Door)	1,568.56	243.98
11 41 13 00-0004	LF	Island Type Frozen Food Case	989.78	243.98
11 41 13 00-0005	LF	Multi-Deck Frozen Food Case	1,510.25	243.98

11 41 13 00-0006 Reach-In Refrigerators *(11 41 13)*

11 41 13 00-0007	EA	Single Section, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator	2,825.89	121.23
11 41 13 00-0008	EA	Two Section, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator	3,482.69	152.90
11 41 13 00-0009	EA	Three Section, 69.1 CF, Full Door, Self Contained, Reach-In Refrigerator	4,634.63	168.93
11 41 13 00-0010	EA	Single Section, Glass Door, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator	3,029.93	121.23
11 41 13 00-0011	EA	Two Section, Glass Door, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator	3,940.21	152.90
11 41 13 00-0012	EA	Three Section, Glass Door, 61.1 CF, Full Door, Self Contained, Reach-In Refrigerator	5,228.00	168.93
11 41 13 00-0013	EA	Single Section, Pass-Thru, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator	3,381.86	121.23
11 41 13 00-0014	EA	Two Section, Pass-Thru, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator	4,568.93	152.90
11 41 13 00-0015	EA	Single Section, Pass-Thru, Glass Door, 25.6 CF, Full Door, Self Contained, Reach-In Refrigerator	4,097.48	121.23
11 41 13 00-0016	EA	Two Section, Pass-Thru, Glass Door, 48.8 CF, Full Door, Self Contained, Reach-In Refrigerator	5,896.13	152.90

11 41 13 00-0017 Reach-In Freezers *(11 41 13)*

11 41 13 00-0018	EA	Single Section, 24.2 CF, Full Door, Self Contained, Reach-In Freezer	3,170.71	121.38
11 41 13 00-0019	EA	Two Section, 46.0 CF, Full Door, Self Contained, Reach-In Freezer	4,200.10	152.69

11 41 23 Walk-In-Coolers *(11 41)*

11 41 23 00-0001 Walk-In Refrigerated Boxes *(11 41 23)*

Note: Overall heights include 4" floor panel and 4" ceiling panel.

11 41 23 00-0002 Walk-In Refrigerated Unit, 7'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 6', 7', 8' and 9' wide.

11 41 23 00-0003	EA	6' x 6' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	6,942.35	947.84
		For Refrigerated Boxes Without Floor, Deduct	*-1,419.59*	
11 41 23 00-0004	EA	6' x 8' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	8,284.33	1,066.33
		For Refrigerated Boxes Without Floor, Deduct	*-1,715.64*	
11 41 23 00-0005	EA	6' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	8,782.98	1,184.80
		For Refrigerated Boxes Without Floor, Deduct	*-1,800.81*	
11 41 23 00-0006	EA	6' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	9,946.56	1,421.77
		For Refrigerated Boxes Without Floor, Deduct	*-2,012.97*	
11 41 23 00-0007	EA	6' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	11,477.15	1,658.73
		For Refrigerated Boxes Without Floor, Deduct	*-2,316.68*	
11 41 23 00-0008	EA	6' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	12,698.44	1,895.68
		For Refrigerated Boxes Without Floor, Deduct	*-2,542.61*	
11 41 23 00-0009	EA	6' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	13,898.28	2,132.64
		For Refrigerated Boxes Without Floor, Deduct	*-2,763.69*	
11 41 23 00-0010	EA	8' x 8' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	9,130.80	1,184.80
		For Refrigerated Boxes Without Floor, Deduct	*-1,887.77*	
11 41 23 00-0011	EA	8' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	9,994.15	1,303.28
		For Refrigerated Boxes Without Floor, Deduct	*-2,064.23*	
11 41 23 00-0012	EA	8' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	11,274.36	1,540.24
		For Refrigerated Boxes Without Floor, Deduct	*-2,304.95*	
11 41 23 00-0013	EA	8' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	12,949.05	1,777.20
		For Refrigerated Boxes Without Floor, Deduct	*-2,644.86*	
11 41 23 00-0014	EA	8' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	14,249.36	2,014.17
		For Refrigerated Boxes Without Floor, Deduct	*-2,891.19*	
11 41 23 00-0015	EA	8' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	15,590.87	2,251.12
		For Refrigerated Boxes Without Floor, Deduct	*-3,147.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0016	EA	8' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	16,889.84	2,488.08
		For Refrigerated Boxes Without Floor, Deduct	*-3,393.54*	
11 41 23 00-0017	EA	8' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	18,227.50	2,725.05
		For Refrigerated Boxes Without Floor, Deduct	*-3,648.29*	
11 41 23 00-0018	EA	8' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	19,532.90	2,962.01
		For Refrigerated Boxes Without Floor, Deduct	*-3,895.89*	

11 41 23 00-0019 Walk-In Refrigerated Unit, 7'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 10', 11' and 12' wide.

11 41 23 00-0020	EA	10' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	11,319.48	1,421.77
		For Refrigerated Boxes Without Floor, Deduct	*-2,356.20*	
11 41 23 00-0021	EA	10' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	12,714.41	1,658.73
		For Refrigerated Boxes Without Floor, Deduct	*-2,625.99*	
11 41 23 00-0022	EA	10' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	14,169.28	1,895.68
		For Refrigerated Boxes Without Floor, Deduct	*-2,910.32*	
11 41 23 00-0023	EA	10' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	15,544.56	2,132.64
		For Refrigerated Boxes Without Floor, Deduct	*-3,175.26*	
11 41 23 00-0024	EA	10' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	17,019.49	2,369.61
		For Refrigerated Boxes Without Floor, Deduct	*-3,465.71*	
11 41 23 00-0025	EA	10' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	18,395.40	2,606.57
		For Refrigerated Boxes Without Floor, Deduct	*-3,729.38*	
11 41 23 00-0026	EA	10' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	19,874.74	2,843.52
		For Refrigerated Boxes Without Floor, Deduct	*-4,021.35*	
11 41 23 00-0027	EA	10' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	21,243.46	3,080.48
		For Refrigerated Boxes Without Floor, Deduct	*-4,284.77*	
11 41 23 00-0028	EA	10' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	22,721.74	3,317.45
		For Refrigerated Boxes Without Floor, Deduct	*-4,575.21*	
11 41 23 00-0029	EA	10' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	24,099.83	3,554.41
		For Refrigerated Boxes Without Floor, Deduct	*-4,840.16*	
11 41 23 00-0030	EA	10' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	25,735.16	3,909.85
		For Refrigerated Boxes Without Floor, Deduct	*-5,130.86*	
11 41 23 00-0031	EA	10' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	27,255.05	4,265.29
		For Refrigerated Boxes Without Floor, Deduct	*-5,394.27*	
11 41 23 00-0032	EA	12' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	14,035.35	1,777.20
		For Refrigerated Boxes Without Floor, Deduct	*-2,916.44*	
11 41 23 00-0033	EA	12' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	15,641.66	2,014.17
		For Refrigerated Boxes Without Floor, Deduct	*-3,239.27*	
11 41 23 00-0034	EA	12' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	17,120.87	2,251.12
		For Refrigerated Boxes Without Floor, Deduct	*-3,529.71*	
11 41 23 00-0035	EA	12' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	18,719.72	2,488.08
		For Refrigerated Boxes Without Floor, Deduct	*-3,851.01*	
11 41 23 00-0036	EA	12' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	20,206.30	2,725.05
		For Refrigerated Boxes Without Floor, Deduct	*-4,142.99*	
11 41 23 00-0037	EA	12' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	21,805.46	2,962.01
		For Refrigerated Boxes Without Floor, Deduct	*-4,464.03*	
11 41 23 00-0038	EA	12' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	23,279.78	3,198.97
		For Refrigerated Boxes Without Floor, Deduct	*-4,754.48*	
11 41 23 00-0039	EA	12' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	24,889.65	3,435.92
		For Refrigerated Boxes Without Floor, Deduct	*-5,077.31*	
11 41 23 00-0040	EA	12' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	26,449.17	3,732.12
		For Refrigerated Boxes Without Floor, Deduct	*-5,367.75*	
11 41 23 00-0041	EA	12' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	28,207.74	4,087.57
		For Refrigerated Boxes Without Floor, Deduct	*-5,689.05*	
11 41 23 00-0042	EA	12' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	29,848.12	4,443.01
		For Refrigerated Boxes Without Floor, Deduct	*-5,981.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0043	EA	12' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	31,601.10	4,798.45
		For Refrigerated Boxes Without Floor, Deduct	*-6,302.07*	
11 41 23 00-0044	EA	12' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	33,231.85	5,153.89
		For Refrigerated Boxes Without Floor, Deduct	*-6,592.52*	

11 41 23 00-0045 Walk-In Refrigerated Unit, 7'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 13', 14' and 15' wide.

11 41 23 00-0046	EA	14' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	18,474.00	2,132.64
		For Refrigerated Boxes Without Floor, Deduct	*-3,907.62*	
11 41 23 00-0047	EA	14' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	20,261.05	2,369.61
		For Refrigerated Boxes Without Floor, Deduct	*-4,276.10*	
11 41 23 00-0048	EA	14' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	22,193.88	2,606.57
		For Refrigerated Boxes Without Floor, Deduct	*-4,679.00*	
11 41 23 00-0049	EA	14' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	23,980.24	2,843.52
		For Refrigerated Boxes Without Floor, Deduct	*-5,047.73*	
11 41 23 00-0050	EA	14' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	25,900.78	3,080.48
		For Refrigerated Boxes Without Floor, Deduct	*-5,449.10*	
11 41 23 00-0051	EA	14' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	27,698.32	3,317.45
		For Refrigerated Boxes Without Floor, Deduct	*-5,819.36*	
11 41 23 00-0052	EA	14' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	29,622.11	3,554.41
		For Refrigerated Boxes Without Floor, Deduct	*-6,220.73*	
11 41 23 00-0053	EA	14' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	31,569.56	3,909.85
		For Refrigerated Boxes Without Floor, Deduct	*-6,589.46*	
11 41 23 00-0054	EA	14' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	33,647.39	4,265.29
		For Refrigerated Boxes Without Floor, Deduct	*-6,992.36*	
11 41 23 00-0055	EA	14' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	35,614.17	4,620.73
		For Refrigerated Boxes Without Floor, Deduct	*-7,360.83*	
11 41 23 00-0056	EA	14' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	37,681.18	4,976.18
		For Refrigerated Boxes Without Floor, Deduct	*-7,762.46*	
11 41 23 00-0057	EA	14' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	39,638.66	5,272.38
		For Refrigerated Boxes Without Floor, Deduct	*-8,132.46*	

11 41 23 00-0058 Walk-In Refrigerated Unit, 7'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 16', 17' and 18' wide.

11 41 23 00-0059	EA	16' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	22,147.94	2,488.08
		For Refrigerated Boxes Without Floor, Deduct	*-4,708.07*	
11 41 23 00-0060	EA	16' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	24,209.80	2,725.05
		For Refrigerated Boxes Without Floor, Deduct	*-5,143.86*	
11 41 23 00-0061	EA	16' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	26,204.72	2,962.01
		For Refrigerated Boxes Without Floor, Deduct	*-5,563.85*	
11 41 23 00-0062	EA	16' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	28,266.56	3,198.97
		For Refrigerated Boxes Without Floor, Deduct	*-6,001.17*	
11 41 23 00-0063	EA	16' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	30,265.05	3,435.92
		For Refrigerated Boxes Without Floor, Deduct	*-6,421.16*	
11 41 23 00-0064	EA	16' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	32,405.97	3,732.12
		For Refrigerated Boxes Without Floor, Deduct	*-6,856.95*	
11 41 23 00-0065	EA	16' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	34,565.40	4,087.57
		For Refrigerated Boxes Without Floor, Deduct	*-7,278.47*	
11 41 23 00-0066	EA	16' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	36,781.06	4,443.01
		For Refrigerated Boxes Without Floor, Deduct	*-7,714.26*	
11 41 23 00-0067	EA	16' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	38,929.80	4,798.45
		For Refrigerated Boxes Without Floor, Deduct	*-8,134.25*	
11 41 23 00-0068	EA	16' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	41,148.07	5,153.89
		For Refrigerated Boxes Without Floor, Deduct	*-8,571.57*	
11 41 23 00-0069	EA	18' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	25,912.12	2,843.52
		For Refrigerated Boxes Without Floor, Deduct	*-5,530.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0070	EA	18' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	28,026.46	3,080.48
		For Refrigerated Boxes Without Floor, Deduct	*-5,980.52*	
11 41 23 00-0071	EA	18' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	30,251.38	3,317.45
		For Refrigerated Boxes Without Floor, Deduct	*-6,457.62*	
11 41 23 00-0072	EA	18' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	32,363.87	3,554.41
		For Refrigerated Boxes Without Floor, Deduct	*-6,906.17*	
11 41 23 00-0073	EA	18' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	34,749.92	3,909.85
		For Refrigerated Boxes Without Floor, Deduct	*-7,384.55*	
11 41 23 00-0074	EA	18' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	37,010.33	4,265.29
		For Refrigerated Boxes Without Floor, Deduct	*-7,833.09*	
11 41 23 00-0075	EA	18' x 30' Walk-in Refrigerated Box, 7' 6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	39,411.63	4,620.73
		For Refrigerated Boxes Without Floor, Deduct	*-8,310.20*	
11 41 23 00-0076	EA	18' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	41,671.42	4,976.18
		For Refrigerated Boxes Without Floor, Deduct	*-8,760.02*	
11 41 23 00-0077	EA	18' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	44,057.30	5,331.62
		For Refrigerated Boxes Without Floor, Deduct	*-9,237.12*	
11 41 23 00-0078	EA	18' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	46,469.64	5,766.04
		For Refrigerated Boxes Without Floor, Deduct	*-9,685.67*	

11 41 23 00-0079 Walk-In Refrigerated Unit, 8'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 6', 7', 8' and 9' wide.

11 41 23 00-0080	EA	6' x 6' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	7,311.59	947.84
		For Refrigerated Boxes Without Floor, Deduct	*-1,511.90*	
11 41 23 00-0081	EA	6' x 8' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	8,427.13	1,066.33
		For Refrigerated Boxes Without Floor, Deduct	*-1,751.34*	
11 41 23 00-0082	EA	6' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	9,252.18	1,184.80
		For Refrigerated Boxes Without Floor, Deduct	*-1,918.11*	
11 41 23 00-0083	EA	6' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	10,485.12	1,421.77
		For Refrigerated Boxes Without Floor, Deduct	*-2,147.61*	
11 41 23 00-0084	EA	6' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	12,046.31	1,658.73
		For Refrigerated Boxes Without Floor, Deduct	*-2,458.97*	
11 41 23 00-0085	EA	6' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	13,336.96	1,895.68
		For Refrigerated Boxes Without Floor, Deduct	*-2,702.24*	
11 41 23 00-0086	EA	6' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	14,567.40	2,132.64
		For Refrigerated Boxes Without Floor, Deduct	*-2,930.97*	
11 41 23 00-0087	EA	8' x 8' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	9,638.76	1,184.80
		For Refrigerated Boxes Without Floor, Deduct	*-2,014.76*	
11 41 23 00-0088	EA	8' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	10,532.71	1,303.28
		For Refrigerated Boxes Without Floor, Deduct	*-2,198.87*	
11 41 23 00-0089	EA	8' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	11,882.28	1,540.24
		For Refrigerated Boxes Without Floor, Deduct	*-2,456.93*	
11 41 23 00-0090	EA	8' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	13,587.57	1,777.20
		For Refrigerated Boxes Without Floor, Deduct	*-2,804.49*	
11 41 23 00-0091	EA	8' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	14,957.24	2,014.17
		For Refrigerated Boxes Without Floor, Deduct	*-3,068.16*	
11 41 23 00-0092	EA	8' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	16,329.35	2,251.12
		For Refrigerated Boxes Without Floor, Deduct	*-3,331.83*	
11 41 23 00-0093	EA	8' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	17,697.68	2,488.08
		For Refrigerated Boxes Without Floor, Deduct	*-3,595.50*	
11 41 23 00-0094	EA	8' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	19,065.94	2,725.05
		For Refrigerated Boxes Without Floor, Deduct	*-3,857.90*	
11 41 23 00-0095	EA	8' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	20,440.70	2,962.01
		For Refrigerated Boxes Without Floor, Deduct	*-4,122.84*	

11 41 23 00-0096 Walk-In Refrigerated Unit, 8'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 10', 11' and 12' wide.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0097	EA	10' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	11,888.64	1,421.77
		For Refrigerated Boxes Without Floor, Deduct	*-2,498.49*	
11 41 23 00-0098	EA	10' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	13,352.93	1,658.73
		For Refrigerated Boxes Without Floor, Deduct	*-2,785.62*	
11 41 23 00-0099	EA	10' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	14,838.40	1,895.68
		For Refrigerated Boxes Without Floor, Deduct	*-3,077.60*	
11 41 23 00-0100	EA	10' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	16,283.04	2,132.64
		For Refrigerated Boxes Without Floor, Deduct	*-3,359.88*	
11 41 23 00-0101	EA	10' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	17,788.57	2,369.61
		For Refrigerated Boxes Without Floor, Deduct	*-3,657.98*	
11 41 23 00-0102	EA	10' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	19,233.84	2,606.57
		For Refrigerated Boxes Without Floor, Deduct	*-3,938.99*	
11 41 23 00-0103	EA	10' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	20,743.78	2,843.52
		For Refrigerated Boxes Without Floor, Deduct	*-4,238.61*	
11 41 23 00-0104	EA	10' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	22,181.86	3,080.48
		For Refrigerated Boxes Without Floor, Deduct	*-4,519.37*	
11 41 23 00-0105	EA	10' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	23,690.74	3,317.45
		For Refrigerated Boxes Without Floor, Deduct	*-4,817.46*	
11 41 23 00-0106	EA	10' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	25,138.19	3,554.41
		For Refrigerated Boxes Without Floor, Deduct	*-5,099.75*	
11 41 23 00-0107	EA	10' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	26,804.12	3,909.85
		For Refrigerated Boxes Without Floor, Deduct	*-5,398.10*	
11 41 23 00-0108	EA	10' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	28,393.37	4,206.05
		For Refrigerated Boxes Without Floor, Deduct	*-5,678.85*	
11 41 23 00-0109	EA	12' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	14,743.23	1,777.20
		For Refrigerated Boxes Without Floor, Deduct	*-3,093.41*	
11 41 23 00-0110	EA	12' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	16,380.14	2,014.17
		For Refrigerated Boxes Without Floor, Deduct	*-3,423.89*	
11 41 23 00-0111	EA	12' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	17,928.71	2,251.12
		For Refrigerated Boxes Without Floor, Deduct	*-3,731.67*	
11 41 23 00-0112	EA	12' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	19,558.16	2,488.08
		For Refrigerated Boxes Without Floor, Deduct	*-4,060.62*	
11 41 23 00-0113	EA	12' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	21,114.10	2,725.05
		For Refrigerated Boxes Without Floor, Deduct	*-4,369.94*	
11 41 23 00-0114	EA	12' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	22,743.86	2,962.01
		For Refrigerated Boxes Without Floor, Deduct	*-4,698.63*	
11 41 23 00-0115	EA	12' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	24,287.54	3,198.97
		For Refrigerated Boxes Without Floor, Deduct	*-5,006.42*	
11 41 23 00-0116	EA	12' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	25,928.01	3,435.92
		For Refrigerated Boxes Without Floor, Deduct	*-5,336.90*	
11 41 23 00-0117	EA	12' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	27,556.89	3,732.12
		For Refrigerated Boxes Without Floor, Deduct	*-5,644.68*	
11 41 23 00-0118	EA	12' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	29,346.06	4,087.57
		For Refrigerated Boxes Without Floor, Deduct	*-5,973.63*	
11 41 23 00-0119	EA	12' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	31,055.80	4,443.01
		For Refrigerated Boxes Without Floor, Deduct	*-6,282.95*	
11 41 23 00-0120	EA	12' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	32,839.38	4,798.45
		For Refrigerated Boxes Without Floor, Deduct	*-6,611.64*	
11 41 23 00-0121	EA	12' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	34,539.49	5,153.89
		For Refrigerated Boxes Without Floor, Deduct	*-6,919.43*	

11 41 23 00-0122 Walk-In Refrigerated Unit, 8'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 13', 14' and 15' wide.

11 41 23 00-0123	EA	14' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	19,243.08	2,132.64
		For Refrigerated Boxes Without Floor, Deduct	*-4,099.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0124	EA	14' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	21,099.49	2,369.61
		For Refrigerated Boxes Without Floor, Deduct	*-4,485.71*	
11 41 23 00-0125	EA	14' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	23,062.92	2,606.57
		For Refrigerated Boxes Without Floor, Deduct	*-4,896.26*	
11 41 23 00-0126	EA	14' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	24,918.64	2,843.52
		For Refrigerated Boxes Without Floor, Deduct	*-5,282.33*	
11 41 23 00-0127	EA	14' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	26,869.78	3,080.48
		For Refrigerated Boxes Without Floor, Deduct	*-5,691.35*	
11 41 23 00-0128	EA	14' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	28,736.68	3,317.45
		For Refrigerated Boxes Without Floor, Deduct	*-6,078.95*	
11 41 23 00-0129	EA	14' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	30,691.07	3,554.41
		For Refrigerated Boxes Without Floor, Deduct	*-6,487.97*	
11 41 23 00-0130	EA	14' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	32,707.88	3,909.85
		For Refrigerated Boxes Without Floor, Deduct	*-6,874.04*	
11 41 23 00-0131	EA	14' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	34,816.31	4,265.29
		For Refrigerated Boxes Without Floor, Deduct	*-7,284.59*	
11 41 23 00-0132	EA	14' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	36,852.45	4,620.73
		For Refrigerated Boxes Without Floor, Deduct	*-7,670.40*	
11 41 23 00-0133	EA	14' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	38,950.06	4,976.18
		For Refrigerated Boxes Without Floor, Deduct	*-8,079.68*	
11 41 23 00-0134	EA	14' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	40,976.90	5,331.62
		For Refrigerated Boxes Without Floor, Deduct	*-8,467.02*	

11 41 23 00-0135 Walk-In Refrigerated Unit, 8'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 16', 17' and 18' wide.

11 41 23 00-0136	EA	16' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	23,055.74	2,488.08
		For Refrigerated Boxes Without Floor, Deduct	*-4,935.02*	
11 41 23 00-0137	EA	16' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	25,148.20	2,725.05
		For Refrigerated Boxes Without Floor, Deduct	*-5,378.46*	
11 41 23 00-0138	EA	16' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	27,212.48	2,962.01
		For Refrigerated Boxes Without Floor, Deduct	*-5,815.79*	
11 41 23 00-0139	EA	16' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	29,304.92	3,198.97
		For Refrigerated Boxes Without Floor, Deduct	*-6,260.76*	
11 41 23 00-0140	EA	16' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	31,372.77	3,435.92
		For Refrigerated Boxes Without Floor, Deduct	*-6,698.09*	
11 41 23 00-0141	EA	16' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	33,544.29	3,732.12
		For Refrigerated Boxes Without Floor, Deduct	*-7,141.53*	
11 41 23 00-0142	EA	16' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	35,773.08	4,087.57
		For Refrigerated Boxes Without Floor, Deduct	*-7,580.39*	
11 41 23 00-0143	EA	16' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	38,019.34	4,443.01
		For Refrigerated Boxes Without Floor, Deduct	*-8,023.83*	
11 41 23 00-0144	EA	16' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	40,237.44	4,798.45
		For Refrigerated Boxes Without Floor, Deduct	*-8,461.16*	
11 41 23 00-0145	EA	16' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	42,486.31	5,153.89
		For Refrigerated Boxes Without Floor, Deduct	*-8,906.13*	
11 41 23 00-0146	EA	18' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	26,881.12	2,843.52
		For Refrigerated Boxes Without Floor, Deduct	*-5,772.95*	
11 41 23 00-0147	EA	18' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	29,064.82	3,080.48
		For Refrigerated Boxes Without Floor, Deduct	*-6,240.11*	
11 41 23 00-0148	EA	18' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	31,320.34	3,317.45
		For Refrigerated Boxes Without Floor, Deduct	*-6,724.86*	
11 41 23 00-0149	EA	18' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	33,502.19	3,554.41
		For Refrigerated Boxes Without Floor, Deduct	*-7,190.75*	
11 41 23 00-0150	EA	18' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	35,918.84	3,909.85
		For Refrigerated Boxes Without Floor, Deduct	*-7,676.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0151	EA	18' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	38,248.61	4,265.29
		For Refrigerated Boxes Without Floor, Deduct	*-8,142.66*	
11 41 23 00-0152	EA	18' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	40,680.51	4,620.73
		For Refrigerated Boxes Without Floor, Deduct	*-8,627.42*	
11 41 23 00-0153	EA	18' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	43,009.66	4,976.18
		For Refrigerated Boxes Without Floor, Deduct	*-9,094.58*	
11 41 23 00-0154	EA	18' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	45,426.14	5,331.62
		For Refrigerated Boxes Without Floor, Deduct	*-9,579.33*	
11 41 23 00-0155	EA	18' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	47,907.84	5,766.04
		For Refrigerated Boxes Without Floor, Deduct	*-10,045.22*	

11 41 23 00-0156 Walk-In Refrigerated Unit Metal Price Add-Ons *(11 41 23 00-0001)*

11 41 23 00-0157	SF	Metal Price Add-on, 190 Series Embossed White Polyester vs. 24 Gauge Galvalume	0.43
11 41 23 00-0158	SF	Metal Price Add-ons, 24 GA White Polyester vs. 24 Gauge Galvalume	0.80
11 41 23 00-0159	SF	Metal Price Add-ons, 0.038" Stucco Embossed Aluminum vs. 24 Gauge Galvalume	1.13
11 41 23 00-0160	SF	Metal Price Add-ons, 22 GA Stainless Steel vs. 24 Gauge Galvalume	7.96
11 41 23 00-0161	SF	Metal Price Add-ons, 20 GA Stainless Steel vs. 24 Gauge Galvalume	10.40
11 41 23 00-0162	SF	Metal Price Add-ons, 24 GA Embossed Tan Polyester vs. 24 Gauge Galvalume	1.28
11 41 23 00-0163	SF	Metal Price Add-ons, 0.040" Embossed White Aluminum vs. 24 Gauge Galvalume	3.16
11 41 23 00-0164	SF	Metal Price Add-ons, 0.040" Smooth White Aluminum vs. 24 Gauge Galvalume	4.08
11 41 23 00-0165	SF	Metal Price Add-ons, 24 GA Smooth Kynar Painted vs. 24 Gauge Galvalume	4.28
11 41 23 00-0166	SF	Metal Price Deducts, 14 GA Galvanized vs. 10 Gauge Smooth Aluminum Interior Floor	-5.76
11 41 23 00-0167	SF	Metal Price Add-ons, 16 GA Stainless Steel Type 430 vs. 10 Gauge Smooth Aluminum Interior Floor	2.40
11 41 23 00-0168	SF	Metal Price Add-ons, 16 GA Stainless Steel Type 304 vs. 10 Gauge Smooth Aluminum Interior Floor	6.23
11 41 23 00-0169	SF	Metal Price Add-ons, 12 GA Rigid Aluminum vs. 10 Gauge Smooth Aluminum Interior Floor	5.46
11 41 23 00-0170	SF	Metal Price Add-ons, 16 GA Rigid Stainless Steel vs. 10 Gauge Smooth Aluminum Interior Floor	17.70

11 41 23 00-0171 Air Cooled Condensing Units For Walk-In Coolers And Freezers *(11 41 23)*

11 41 23 00-0172 Medium Temperature Hermetic System, Indoor *(11 41 23 00-0171)*

Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.

11 41 23 00-0173 208/230 Volt, 1 Phase *(11 41 23 00-0172)*

Note: Pre-Assembled indoor R404a.

11 41 23 00-0174	EA	1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	2,436.33	112.25
11 41 23 00-0175	EA	3/4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	2,577.74	130.97
11 41 23 00-0176	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	2,969.71	149.67
11 41 23 00-0177	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,205.65	168.38
11 41 23 00-0178	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,532.06	187.09
11 41 23 00-0179	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,975.00	224.51
11 41 23 00-0180	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,384.23	261.92
11 41 23 00-0181	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,782.82	299.34

11 41 23 00-0182 208/230 Volt, 3 Phase *(11 41 23 00-0172)*

Note: Pre-Assembled indoor R404a.

11 41 23 00-0183	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	2,973.84	149.67
11 41 23 00-0184	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	3,205.65	168.38
11 41 23 00-0185	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	3,569.28	187.09
11 41 23 00-0186	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	3,930.68	224.51
11 41 23 00-0187	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	5,384.23	261.92
11 41 23 00-0188	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	5,731.41	299.34

11 41 23 00-0189 Medium Temperature Hermetic System, Outdoor *(11 41 23 00-0171)*

Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.

11 41 23 00-0190 208/230 Volt, 1 Phase *(11 41 23 00-0189)*

Note: Pre-Assembled outdoor R404a.

11 41 23 00-0191	EA	1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	2,607.70	112.25
11 41 23 00-0192	EA	3/4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	2,873.20	130.97
11 41 23 00-0193	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,313.03	149.67
11 41 23 00-0194	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,455.61	168.38
11 41 23 00-0195	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,711.11	187.09
11 41 23 00-0196	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	4,230.28	224.51
11 41 23 00-0197	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,643.64	261.92
11 41 23 00-0198	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,044.01	299.34

11 41 23 00-0199 208/230 Volt, 3 Phase *(11 41 23 00-0189)*

Note: Pre-Assembled outdoor R404a.

11 41 23 00-0200	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,291.17	149.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0201	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,464.47	168.38
11 41 23 00-0202	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,757.20	187.09
11 41 23 00-0203	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	4,186.55	224.51
11 41 23 00-0204	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,657.23	261.92
11 41 23 00-0205	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,989.64	299.34
11 41 23 00-0206		**Low Temperature Hermetic System, Indoor** *(11 41 23 00-0171)* Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0207		**208/230 Volt, 1 Phase** *(11 41 23 00-0206)* Note: Pre-Assembled indoor R404a.		
11 41 23 00-0208	EA	1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	224.52	112.25
11 41 23 00-0209	EA	3/4 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	2,869.65	130.97
11 41 23 00-0210	EA	1 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,011.07	149.67
11 41 23 00-0211	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,218.65	168.38
11 41 23 00-0212	EA	2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,503.10	187.09
11 41 23 00-0213	EA	3 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	4,137.50	224.51
11 41 23 00-0214		**208/230 Volt, 3 Phase** *(11 41 23 00-0206)* Note: Pre-Assembled indoor R404a.		
11 41 23 00-0215	EA	1 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	3,015.21	149.67
11 41 23 00-0216	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	3,218.65	168.38
11 41 23 00-0217	EA	2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	3,541.51	187.09
11 41 23 00-0218	EA	3 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	4,094.96	224.51
11 41 23 00-0219		**Low Temperature Hermetic System, Outdoor** *(11 41 23 00-0171)* Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0220		**208/230 Volt, 1 Phase** *(11 41 23 00-0219)* Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0221	EA	1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,065.66	112.25
11 41 23 00-0222	EA	3/4 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,116.65	130.97
11 41 23 00-0223	EA	1 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,288.80	149.67
11 41 23 00-0224	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,566.70	168.38
11 41 23 00-0225	EA	2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,892.52	187.09
11 41 23 00-0226	EA	3 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	4,385.69	224.51
11 41 23 00-0227		**208/230 Volt, 3 Phase** *(11 41 23 00-0219)* Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0228	EA	1 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	3,395.76	149.67
11 41 23 00-0229	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	3,619.29	168.38
11 41 23 00-0230	EA	2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	3,935.06	187.09
11 41 23 00-0231	EA	3 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	4,342.55	224.51
11 41 23 00-0232		**Medium Temperature Semi-Hermetic System, Indoor** *(11 41 23 00-0171)* Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0233		**208/230 Volt, 1 Phase** *(11 41 23 00-0232)* Note: Pre-Assembled indoor R404a.		
11 41 23 00-0234	EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,148.76	149.67
11 41 23 00-0235	EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,193.94	299.34
11 41 23 00-0236		**208/230 Volt, 3 Phase** *(11 41 23 00-0232)* Note: Pre-Assembled indoor R404a.		
11 41 23 00-0237	EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	3,151.12	149.67
11 41 23 00-0238	EA	2 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	4,352.25	187.09
11 41 23 00-0239	EA	3 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	5,430.44	224.51
11 41 23 00-0240	EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,097.62	299.34
11 41 23 00-0241		**Medium Temperature Semi-Hermetic System, Outdoor** *(11 41 23 00-0171)* Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0242		**208/230 Volt, 1 Phase** *(11 41 23 00-0241)* Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0243	EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,446.58	149.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0244	EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	8,480.37	299.34
11 41 23 00-0245		**208/230 Volt, 3 Phase** *(11 41 23 00-0241)* Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0246	EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	3,452.49	149.67
11 41 23 00-0247	EA	2 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	4,079.25	187.09
11 41 23 00-0248	EA	3 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	5,855.90	224.51
11 41 23 00-0249	EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,671.40	299.34
11 41 23 00-0250		**Low Temperature Semi-Hermetic System, Indoor** *(11 41 23 00-0171)* Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0251		**208/230 Volt, 1 Phase** *(11 41 23 00-0250)* Note: Pre-Assembled indoor R404a.		
11 41 23 00-0252	EA	3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,212.97	130.97
11 41 23 00-0253	EA	1 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,435.94	149.67
11 41 23 00-0254	EA	1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	4,029.39	168.38
11 41 23 00-0255	EA	2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	4,665.44	187.09
11 41 23 00-0256	EA	3 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,894.31	224.51
11 41 23 00-0257		**208/230 Volt, 3 Phase** *(11 41 23 00-0250)* Note: Pre-Assembled indoor R404a.		
11 41 23 00-0258	EA	3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	3,196.43	130.97
11 41 23 00-0259	EA	1 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	3,433.58	149.67
11 41 23 00-0260	EA	1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	4,006.93	168.38
11 41 23 00-0261	EA	2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	4,626.44	187.09
11 41 23 00-0262	EA	3 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	5,686.89	224.51
11 41 23 00-0263	EA	4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,933.46	261.92
11 41 23 00-0264	EA	6 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	8,388.52	336.76
11 41 23 00-0265	EA	7-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	12,059.33	392.89
11 41 23 00-0266		**Low Temperature Semi-Hermetic System, Outdoor** *(11 41 23 00-0171)* Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0267		**208/230 Volt, 1 Phase** *(11 41 23 00-0266)* Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0268	EA	3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,533.84	130.97
11 41 23 00-0269	EA	1 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,708.95	149.67
11 41 23 00-0270	EA	1-1/2 Low Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	4,313.62	168.38
11 41 23 00-0271	EA	2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	4,953.81	187.09
11 41 23 00-0272	EA	3 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,202.18	224.51
11 41 23 00-0273		**208/230 Volt, 3 Phase** *(11 41 23 00-0266)* Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0274	EA	3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,481.84	130.97
11 41 23 00-0275	EA	1 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,711.31	149.67
11 41 23 00-0276	EA	1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	4,304.76	168.38
11 41 23 00-0277	EA	2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	4,910.08	187.09
11 41 23 00-0278	EA	3 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,014.86	224.51
11 41 23 00-0279	EA	4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	8,746.56	261.92
11 41 23 00-0280	EA	6 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	9,253.63	336.76
11 41 23 00-0281	EA	7-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	12,992.99	392.89
11 41 23 00-0282		**Walk-In Refrigerated Boxes Accessories** *(11 41 23)* See CSI section 08 71 00 00-0000 for additional door accessories.		
11 41 23 00-0283		**Accessories** *(11 41 23 00-0282)*		
11 41 23 00-0284	EA	Super Door Package, For 36" Or 42" Door Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.	563.28	
11 41 23 00-0285	EA	Super Door Package, For 48" Door Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.	756.06	
11 41 23 00-0286	EA	Super Door Package, For 60" Door Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.	756.06	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0287	EA	14" x 24" Observation Window, Heated	852.88	
11 41 23 00-0288	EA	Heated Air Vent, Kason	317.38	
11 41 23 00-0289	EA	Heated Air Vent, Bally Polyvinyl Chloride (PVC)	730.48	
11 41 23 00-0290	EA	Interior Ramps, For 36" Or 42" Wide Doors	1,047.99	
11 41 23 00-0291	EA	Interior Ramps, For 48" Wide Doors	1,144.89	
11 41 23 00-0292	EA	Interior Ramps, For 60" Wide Doors	1,257.09	
11 41 23 00-0293	EA	Exterior Ramps, For 36" Or 42" Wide Doors	429.87	
11 41 23 00-0294	EA	Exterior Ramps, For 48" Wide Doors	780.75	
11 41 23 00-0295	EA	Exterior Ramps, For 60" Wide Doors	780.75	
11 41 23 00-0296	EA	Field Installed Extra Vapor-Proof Lights	103.10	
11 41 23 00-0297	EA	Field Installed Fluorescent Lights, 48", 2 Tubes	399.24	
11 41 23 00-0298	EA	Alarm With Digital Thermostat Modulam 75 With Adjustable Setting (Flush Mounted)	1,028.24	
11 41 23 00-0299	EA	Alarm With Digital Thermostat Modulam 75B (Battery Backup) (Flush Mounted)	1,080.26	
11 41 23 00-0300	EA	Alarm With Digital Thermostat National TM100 With Adjustable Setting (Flush Mounted)	518.24	
11 41 23 00-0301	EA	Locking Devices, 36" Or 42" Wide Locking Bar	294.86	
11 41 23 00-0302	EA	Locking Devices, 48" Wide Locking Bar	335.66	
11 41 23 00-0303	EA	Locking Devices, 60" Wide Locking Bar	335.66	
11 41 23 00-0304	EA	Locking Devices, Mortise Dead Bolt (Cooler)	592.70	
11 41 23 00-0305	EA	Locking Devices, Mortise Dead Bolt (Freezer)	727.34	
11 41 23 00-0306	EA	Blast Freezer Kit, For 36" Or 42" Wide Doors	1,174.47	
11 41 23 00-0307	EA	Blast Freezer Kit, For 48" Wide Doors	1,239.75	
11 41 23 00-0308	EA	Blast Freezer Kit, For 60" Wide Doors	1,274.43	
11 41 23 00-0309	EA	Hardware Options, Polished For 36" Or 42" Door	56.10	
11 41 23 00-0310	EA	Hardware Options, Polished For 48" Or 60" Door	45.90	
11 41 23 00-0311	EA	Hardware Options, Chrome For 36" Or 42" Door	141.78	
11 41 23 00-0312	EA	Hardware Options, Chrome For 48" Or 60" Door	76.50	
11 41 23 00-0313	EA	Hardware Options, Positive Latch, 36" Or 42" Door	182.95	
11 41 23 00-0314	EA	Hardware Options, Strap Hinges, 36" Or 42" Door	133.99	
11 41 23 00-0315	EA	4" Screed Door	360.22	
11 41 23 00-0316	EA	Doors Cut For Tile	433.66	
11 41 23 00-0317	EA	84" High Doors (36" Wide)	433.66	
11 41 23 00-0318	EA	Doors Raised Or Lowered In Panel	973.24	
11 41 23 00-0319	EA	57-1/2" Door Section	281.68	
11 41 23 00-0320	EA	3 Way (Interior And Exterior) Light Switches	238.76	
11 41 23 00-0321	EA	3 Way (1 Side Only) Light Switch	121.35	
11 41 23 00-0322	EA	Structural Support, 5" Reinforcing Ceilings (Every 23")	217.99	
11 41 23 00-0323	EA	Structural Support, 6" Reinforcing Ceilings (Every 23")	275.11	
11 41 23 00-0324	LF	Structural Support, Self-Supporting Standard Angle	29.38	
11 41 23 00-0325	LF	Structural Support, Self-Supporting 6" Channel	37.80	
11 41 23 00-0326	LF	Structural Support, Self-Supporting 8" Channel	54.37	
11 41 23 00-0327	LF	Structural Support, Self-Supporting 10" Channel	86.24	
11 41 23 00-0328	LF	Structural Support, Suspended Ceiling Support	16.09	
11 41 23 00-0329	LF	Factory Prepared Opening, Foam Cut Opening	5.36	
11 41 23 00-0330	LF	Factory Prepared Opening, Metal Capped Opening	17.85	
11 41 23 00-0331	LF	Factory Prepared Opening, Wood Framed Opening	15.03	
11 41 23 00-0332	LF	Factory Prepared Opening, Metal Capped Wood Framed Opening	27.54	
11 41 23 00-0333	LF	Factory Prepared Opening, Opening For Glass Doors (Doors Provided By Others, No Charge For Opening When Glass Door Purchased Through Manufacturer)	22.95	
11 41 23 00-0334	SF	Outdoor Weather Roofs, Aluminum Roof Caps	10.31	
11 41 23 00-0335	SF	Outdoor Weather Roofs, Membrane Roof Caps	5.61	
11 41 23 00-0336	SF	Outdoor Weather Roofs, Painted Aluminum Roofs	12.81	
11 41 23 00-0337	SF	1/8" Aluminum Tread Plate	29.61	
11 41 23 00-0338	SF	3/16" Aluminum Tread Plate	35.03	
11 41 23 00-0339	EA	Digitemp Display Thermometer (Indoor Exterior Wall)	232.53	
11 41 23 00-0340	EA	4-1/2" Dial Type Thermometer With 5' Cap Tube	209.07	
11 41 23 00-0341	EA	6" Dial Type Thermometer With 5' Cap Tube	669.09	
11 41 23 00-0342	EA	2" Dial Type Thermometer (Standard)	74.43	
11 41 23 00-0343	LF	Extra Capillary Tubing	9.04	

11 41 23 00-0344 Partition Wall For Walk-In Refrigerated Boxes *(11 41 23 00-0282)*

Note: Includes 36" x 78" door. Sizes listed as 7'-2"/7'-6" are for either 7'-2" or 7'-6" high refrigerated boxes. Sizes listed as 8'-2"/8'-6" are for either 8'-2" or 8'-6" high refrigerated boxes.

11 41 23 00-0345	EA	5'-10" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	2,400.51	
		For Embossed White Instead Of Galvalume On Both Sides, Add	*116.08*	
11 41 23 00-0346	EA	6'-9-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	2,614.57	
		For Embossed White Instead Of Galvalume On Both Sides, Add	*126.58*	
11 41 23 00-0347	EA	7'-9" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	2,689.92	
		For Embossed White Instead Of Galvalume On Both Sides, Add	*130.15*	
11 41 23 00-0348	EA	8'-8-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	2,908.07	
		For Embossed White Instead Of Galvalume On Both Sides, Add	*140.86*	
11 41 23 00-0349	EA	9'-8" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	2,848.79	
		For Embossed White Instead Of Galvalume On Both Sides, Add	*137.70*	
11 41 23 00-0350	EA	10'-7-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	3,061.84	
		For Embossed White Instead Of Galvalume On Both Sides, Add	*148.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0351	EA	11'-7" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	3,126.98	
		For Embossed White Instead Of Galvalume On Both Sides, Add	*151.22*	
11 41 23 00-0352	EA	12'-6-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	3,429.79	
		For Embossed White Instead Of Galvalume On Both Sides, Add	*166.16*	
11 41 23 00-0353	EA	13'-6" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	3,297.06	
		For Embossed White Instead Of Galvalume On Both Sides, Add	*159.32*	
11 41 23 00-0354	EA	14'-5-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	3,511.13	
		For Embossed White Instead Of Galvalume On Both Sides, Add	*169.83*	
11 41 23 00-0355	EA	15'-5" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	3,591.58	
		For Embossed White Instead Of Galvalume On Both Sides, Add	*173.66*	
11 41 23 00-0356	EA	16'-4-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	3,806.68	
		For Embossed White Instead Of Galvalume On Both Sides, Add	*184.21*	
11 41 23 00-0357	EA	17'-4" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	4,383.98	
		For Embossed White Instead Of Galvalume On Both Sides, Add	*212.88*	
11 41 23 00-0358	EA	5'-10" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	2,618.79	
		For Embossed White Instead Of Galvalume On Both Sides, Add	*126.99*	
11 41 23 00-0359	EA	6'-9-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	2,800.21	
		For Embossed White Instead Of Galvalume On Both Sides, Add	*135.86*	
11 41 23 00-0360	EA	7'-9" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	2,888.82	
		For Embossed White Instead Of Galvalume On Both Sides, Add	*140.10*	
11 41 23 00-0361	EA	8'-8-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	3,130.43	
		For Embossed White Instead Of Galvalume On Both Sides, Add	*151.98*	
11 41 23 00-0362	EA	9'-8" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	3,058.91	
		For Embossed White Instead Of Galvalume On Both Sides, Add	*148.21*	
11 41 23 00-0363	EA	10'-7-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	3,299.50	
		For Embossed White Instead Of Galvalume On Both Sides, Add	*160.04*	
11 41 23 00-0364	EA	11'-7" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	3,389.12	
		For Embossed White Instead Of Galvalume On Both Sides, Add	*164.32*	
11 41 23 00-0365	EA	12'-6-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	3,629.71	
		For Embossed White Instead Of Galvalume On Both Sides, Add	*176.15*	
11 41 23 00-0366	EA	13'-6" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	3,558.18	
		For Embossed White Instead Of Galvalume On Both Sides, Add	*172.38*	
11 41 23 00-0367	EA	14'-5-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	3,798.77	
		For Embossed White Instead Of Galvalume On Both Sides, Add	*184.21*	
11 41 23 00-0368	EA	15'-5" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	3,888.40	
		For Embossed White Instead Of Galvalume On Both Sides, Add	*188.50*	
11 41 23 00-0369	EA	16'-4-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	4,129.00	
		For Embossed White Instead Of Galvalume On Both Sides, Add	*200.33*	
11 41 23 00-0370	EA	17'-4" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	4,057.46	
		For Embossed White Instead Of Galvalume On Both Sides, Add	*196.55*	

11 41 23 00-0371 Glass Doors For Walk-In Refrigerated Boxes *(11 41 23 00-0282)*

Note: Factory installed, includes lights and 5 tier shelves.

11 41 23 00-0372	EA	23" x 67" Glass Door, Displayrite, Coolrite Model	1,012.86
11 41 23 00-0373	EA	23" x 73" Glass Door, Displayrite, Coolrite Model	1,106.70
11 41 23 00-0374	EA	30" x 67" Glass Door, Displayrite, Coolrite Model	1,115.88
11 41 23 00-0375	EA	30" x 73" Glass Door, Displayrite, Coolrite Model	1,234.20
11 41 23 00-0376	EA	23" x 67" Glass Door, Displayrite, Freezerite Model	1,354.56
11 41 23 00-0377	EA	23" x 73" Glass Door, Displayrite, Freezerite Model	1,440.24
11 41 23 00-0378	EA	30" x 67" Glass Door, Displayrite, Freezerite Model	1,445.34
11 41 23 00-0379	EA	30" x 73" Glass Door, Displayrite, Freezerite Model	1,681.98
11 41 23 00-0380	EA	24" x 67" Glass Door, Anthony Model 101	1,377.00
11 41 23 00-0381	EA	26" x 67" Glass Door, Anthony Model 101	1,705.44
11 41 23 00-0382	EA	30" x 67" Glass Door, Anthony Model 101	1,820.70
11 41 23 00-0383	EA	30x75 Glass Door, Anthony Model 101	1,859.46
11 41 23 00-0384	EA	24" x 67" Glass Door, Anthony Model 101	2,097.12
11 41 23 00-0385	EA	26" x 67" Glass Door, Anthony Model 101	2,327.64
11 41 23 00-0386	EA	30" x 67" Glass Door, Anthony Model 101	2,370.48
11 41 23 00-0387	EA	30" x 75" Glass Door, Anthony Model 101	2,528.58
11 41 23 00-0388	EA	23" x 67" Glass Door, Anthony Model 401	1,087.32
11 41 23 00-0389	EA	26-3/4" x 67" Glass Door, Anthony Model 401	1,145.46
11 41 23 00-0390	EA	30-1/4" x 67" Glass Door, Anthony Model 401	1,540.20
11 41 23 00-0391	EA	30-1/4" x 75" Glass Door, Anthony Model 401	1,320.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0392	EA	23" x 67" Glass Door, Anthony Model 401	1,466.76	
11 41 23 00-0393	EA	26-3/4" x 67" Glass Door, Anthony Model 401	1,535.10	
11 41 23 00-0394	EA	30-1/4" x 67" Glass Door, Anthony Model 401	1,540.20	
11 41 23 00-0395	EA	30-1/4" x 75" Glass Door, Anthony Model 401	1,833.96	

11 41 23 00-0396 Modular Wire Shelving For Walk-In Refrigerated Boxes *(11 41 23 00-0282)*

11 41 23 00-0397	EA	14" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	373.40	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0398	EA	14" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	393.67	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0399	EA	14" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	438.41	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0400	EA	14" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	462.77	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0401	EA	14" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	503.31	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0402	EA	18" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	430.39	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0403	EA	18" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	441.47	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0404	EA	18" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	487.25	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0405	EA	18" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	509.56	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0406	EA	18" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	581.71	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0407	EA	21" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	469.01	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0408	EA	21" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	475.01	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0409	EA	21" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	541.18	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0410	EA	21" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	545.13	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0411	EA	21" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	627.48	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0412	EA	14" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	320.36	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0413	EA	14" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	336.55	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0414	EA	14" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	369.05	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0415	EA	14" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	377.09	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0416	EA	14" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	429.87	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0417	EA	18" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	352.87	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0418	EA	18" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	378.23	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0419	EA	18" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	400.55	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0420	EA	18" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	406.54	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0421	EA	18" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	478.69	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0422	EA	21" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	387.41	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0423	EA	21" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	402.59	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0424	EA	21" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	432.04	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0425	EA	21" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	448.23	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0426	EA	21" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	522.42	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0427	EA	14" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	1,672.74	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0428	EA	14" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	1,866.90	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0429	EA	14" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	1,903.63	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0430	EA	14" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	1,940.39	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0431	EA	14" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,348.38	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0432	EA	18" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	1,755.40	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0433	EA	18" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	1,864.28	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0434	EA	18" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,065.01	
		For Cantilever Shelving, Add	*402.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0435	EA	18" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,147.66	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0436	EA	18" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,627.80	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0437	EA	21" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	1,897.07	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0438	EA	21" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,071.57	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0439	EA	21" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,272.28	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0440	EA	21" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,354.94	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0441	EA	21" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,992.49	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0442	EA	14" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	440.33	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0443	EA	14" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	474.88	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0444	EA	14" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	514.53	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0445	EA	14" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	551.11	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0446	EA	14" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	597.77	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0447	EA	18" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	520.78	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0448	EA	18" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	533.91	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0449	EA	18" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	588.85	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0450	EA	18" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	617.28	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0451	EA	18" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	704.75	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0452	EA	21" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	567.57	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0453	EA	21" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	585.79	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0454	EA	21" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	647.88	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0455	EA	21" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	662.03	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0456	EA	21" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	759.70	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0457	EA	14" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	376.07	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0458	EA	14" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	395.32	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0459	EA	14" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	434.97	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0460	EA	14" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	444.01	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0461	EA	14" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	508.01	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0462	EA	18" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	424.90	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0463	EA	18" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	454.35	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0464	EA	18" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	517.45	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0465	EA	18" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	513.24	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0466	EA	18" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	574.19	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0467	EA	21" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	466.59	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0468	EA	21" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	484.81	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0469	EA	21" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	521.40	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0470	EA	21" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	539.63	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0471	EA	21" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	631.18	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0472	EA	14" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	2,042.05	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0473	EA	14" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	2,283.76	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0474	EA	14" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	2,328.71	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0475	EA	14" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	2,373.64	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0476	EA	14" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	2,881.66	
		For Cantilever Shelving, Add	*472.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0477	EA	18" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	2,144.39	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0478	EA	18" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	2,279.51	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0479	EA	18" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	2,529.41	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0480	EA	18" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	2,631.75	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0481	EA	18" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,229.96	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0482	EA	21" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	2,320.51	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0483	EA	21" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	2,537.61	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0484	EA	21" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	2,787.52	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0485	EA	21" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	2,889.86	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0486	EA	21" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,684.84	
		For Cantilever Shelving, Add	*472.00*	

11 41 31 Non-Refrigerated Storage Equipment *(11 41)*

11 41 31 00-0001 Wall Cabinets *(11 41 31)*

11 41 31 00-0002	EA	48" Wall Cabinet With Sliding Doors Note: 15" deep and 24" high.	1,712.11	61.15
11 41 31 00-0003	EA	72" Wall Cabinet With Sliding Doors Note: 15" deep and 24" high.	2,259.08	80.73
11 41 31 00-0004	EA	72" Wall Cabinet With Hinged Doors Note: 15" deep and 24" high.	2,592.96	92.55
11 41 31 00-0005	EA	72" Wall Cabinet With Open Shelves Note: 15" deep and 24" high.	1,659.50	59.04

11 41 31 00-0006 Mobile Sheet Pan Truck *(11 41 31)*

11 41 31 00-0007	EA	2 Level Mobile Sheet Pan Truck	159.71	5.10

11 41 31 00-0008 Pot And Utensil Rack *(11 41 31)*

11 41 31 00-0009	EA	70" Bench Type Pot And Utensil Rack	465.89	15.56
11 41 31 00-0010	EA	94" Bench Type Pot And Utensil Rack	539.95	17.59
11 41 31 00-0011	EA	94" Ceiling Type Pot And Utensil Rack	641.94	21.07
11 41 31 00-0012	EA	96" Wall Type Pot And Utensil Rack	349.10	11.51

11 41 31 00-0013 Tray And Silverware Cart *(11 41 31)*

11 41 31 00-0014	EA	33" x 22-1/2" x 42" Tray And Silverware Cart	1,611.44	52.52

11 41 31 00-0015 Flat Top Utility Units *(11 41 31)*

11 41 31 00-0016	EA	39" x 28-1/2" x 35-3/8" Flat Top Utility Units	1,098.69	35.90
11 41 31 00-0017	EA	79-1/2" x 28-1/2" x 35-3/8" Flat Top Utility Units	1,472.32	47.98

11 41 33 Foodservice Shelving *(11 41)*

11 41 33 00-0001 Shelving/Racks *(11 41 33)*

11 41 33 00-0002 Stainless Steel Shelving, Louvered, 4-Tier *(11 41 33 00-0001)*

11 41 33 00-0003	EA	20" X 3' Stainless Steel Shelving, Louvered 4-Tier	575.29	42.69
11 41 33 00-0004	EA	20" X 4' Stainless Steel Shelving, Louvered 4-Tier	659.76	42.69
11 41 33 00-0005	EA	20" X 6' Stainless Steel Shelving, Louvered 4-Tier	817.43	42.69
11 41 33 00-0006	EA	24" X 3' Stainless Steel Shelving, Louvered 4-Tier	699.18	42.69
11 41 33 00-0007	EA	24" X 4' Stainless Steel Shelving, Louvered 4-Tier	761.12	42.69
11 41 33 00-0008	EA	24" X 6' Stainless Steel Shelving, Louvered 4-Tier	999.88	42.69

11 41 33 00-0009 Stainless Steel Shelving, Flat, 4-Tier *(11 41 33 00-0001)*

11 41 33 00-0010	EA	20" X 3' Stainless Steel Shelving, Flat 4-Tier	569.66	42.69
11 41 33 00-0011	EA	20" X 4' Stainless Steel Shelving, Flat 4-Tier	642.86	42.69
11 41 33 00-0012	EA	20" X 5' Stainless Steel Shelving, Flat 4-Tier	744.22	42.69
11 41 33 00-0013	EA	24" X 3' Stainless Steel Shelving, Flat 4-Tier	642.86	42.69
11 41 33 00-0014	EA	24" X 4' Stainless Steel Shelving, Flat 4-Tier	749.86	42.69
11 41 33 00-0015	EA	24" X 6' Stainless Steel Shelving, Flat 4-Tier	828.69	42.69

11 41 33 00-0016 Galvanized Steel Shelving, Louvered, 4-Tier *(11 41 33 00-0001)*

11 41 33 00-0017	EA	20" X 3' Galvanized Shelving, Louvered 4-Tier	513.81	42.69
11 41 33 00-0018	EA	20" X 4' Galvanized Shelving, Louvered 4-Tier	607.75	42.69
11 41 33 00-0019	EA	20" X 6' Galvanized Shelving, Louvered 4-Tier	829.98	42.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0020	EA	24" X 3' Galvanized Shelving, Louvered 4-Tier	584.84	42.69
11 41 33 00-0021	EA	24" X 4' Galvanized Shelving, Louvered 4-Tier	658.15	42.69
11 41 33 00-0022	EA	24" X 6' Galvanized Shelving, Louvered 4-Tier	795.62	42.69
11 41 33 00-0023		**Galvanized Steel Shelving, Flat, 4-Tier** *(11 41 33 00-0001)*		
11 41 33 00-0024	EA	20" X 3' Galvanized Shelving, Flat 4-Tier	513.81	42.69
11 41 33 00-0025	EA	20" X 4' Galvanized Shelving, Flat 4-Tier	543.60	42.69
11 41 33 00-0026	EA	20" X 6' Galvanized Shelving, Flat 4-Tier	715.43	42.69
11 41 33 00-0027	EA	24" X 3' Galvanized Shelving, Flat 4-Tier	543.60	42.69
11 41 33 00-0028	EA	24" X 4' Galvanized Shelving, Flat 4-Tier	635.24	42.69
11 41 33 00-0029	EA	24" X 6' Galvanized Shelving, Flat 4-Tier	749.80	42.69
11 41 33 00-0030		**Stainless Steel Dunnage Rack** *(11 41 33 00-0001)*		
11 41 33 00-0031	EA	24" X 3' Stainless Steel Dunnage Rack	406.18	34.15
11 41 33 00-0032	EA	24" X 4' Stainless Steel Dunnage Rack	439.97	34.15
11 41 33 00-0033		**Galvanized Steel Dunnage Rack** *(11 41 33 00-0001)*		
11 41 33 00-0034	EA	24" X 3' Galvanized Dunnage Rack	446.34	34.15
11 41 33 00-0035	EA	24" X 4' Galvanized Dunnage Rack	469.25	34.15
11 41 33 00-0036		**Mobile Racks** *(11 41 33 00-0001)*		
11 41 33 00-0037	EA	Mobile Rack With Pan Slide	1,378.79	34.15
11 41 33 00-0038		**Can Racks** *(11 41 33 00-0001)*		
11 41 33 00-0039	EA	Can Rack	2,066.86	34.15

11 42 Food Preparation Equipment *(11 40)*

11 42 13 Food Preparation Appliances *(11 42)*

11 42 13 00-0001		**Vertical Cutter Mixers** *(11 42 13)*		
11 42 13 00-0002	EA	Bench Type Mixers, 25 Quart	8,118.80	182.03
11 42 13 00-0003	EA	Bench Type Mixers, 40 Quart	9,324.46	182.03
11 42 13 00-0004	EA	Bench Type Mixers, 80 Quart	11,688.90	313.09
11 42 13 00-0005	EA	Bench Type Mixers, 130 Quart	13,233.06	509.68
11 42 13 00-0006		**Choppers** *(11 42 13)*		
11 42 13 00-0007	EA	Choppers, 5 LB	2,039.62	145.63
11 42 13 00-0008	EA	Choppers, 16 LB	2,991.45	189.31
11 42 13 00-0009	EA	Choppers, 35 LB - 40 LB	5,771.84	233.00
11 42 13 00-0010	EA	Choppers, 35 LB - 40 LB/Min, 2 HP	4,788.16	207.00
11 42 13 00-0011	EA	Choppers, 35 LB - 40 LB/Min, 3 HP	5,429.36	207.00
11 42 13 00-0012		**Floor Model Mixer** *(11 42 13)*		
11 42 13 00-0013	EA	Floor Type Mixers, 20 Quart	3,870.16	109.22
11 42 13 00-0014	EA	Floor Type Mixers, 60 Quart	9,525.57	72.81
11 42 13 00-0015	EA	Floor Type Mixers, 80 Quart	15,038.14	72.81
11 42 13 00-0016	EA	Floor Type Mixers, 140 Quart	19,058.76	116.50
11 42 13 00-0017		**Slicers** *(11 42 13)*		
11 42 13 00-0018	EA	Slicer With Table	3,231.22	105.14
11 42 13 00-0019		**Peelers** *(11 42 13)*		
11 42 13 00-0020	EA	Small Peeler	2,217.53	118.32
11 42 13 00-0021	EA	Large Peeler	2,349.48	157.78
11 42 13 00-0022		**Proof Boxes** *(11 42 13)*		
11 42 13 00-0023	EA	30-1/2" x 22-1/2", Stainless Steel Proof Box	1,131.97	52.52
11 42 13 00-0024	EA	30-1/2" x 45", Stainless Steel Proof Box	1,894.30	88.01
11 42 13 00-0025	EA	30-1/2" x 45", Galvanized Proof Box	1,684.96	39.95
11 42 13 00-0026		**Non-Insulated Heated Proof Cabinet** *(11 42 13)*		
11 42 13 00-0027	EA	Angle Slide 69-3/4", Solid Door Non Insulated Heated Proof Cabinet	1,537.11	50.33
11 42 13 00-0028	EA	Angle Slide 69-3/4", Clear Door Non Insulated Heated Proof Cabinet	1,648.92	53.81
11 42 13 00-0029	EA	Channel Slide 69-3/4", Solid Door Non Insulated Heated Proof Cabinet	1,526.68	49.92
11 42 13 00-0030	EA	Channel Slide 69-3/4", Clear Door Non Insulated Heated Proof Cabinet	1,618.07	52.92

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 42 13 00-0031		Insulated Heated Proof Cabinet *(11 42 13)*		
11 42 13 00-0032	EA	3 Spacing, 69-3/4" High Solid Door Insulated Heated Proof Cabinet	2,505.63	89.58
11 42 13 00-0033	EA	3 Spacing 69-3/4" High Sliding Door Insulated Heated Proof Cabinet	2,618.43	93.65
11 42 13 00-0034		Pass-Thru Hot Food Holding Cabinet *(11 42 13)*		
11 42 13 00-0035	EA	Single Section, Full Door, Pass-Thru Hot Food Holding Cabinet	3,834.07	152.90
11 42 13 00-0036	EA	Single Section, Half Door, Pass-Thru Hot Food Holding Cabinet	4,074.17	152.90
11 42 13 00-0037	EA	Two Section, Full Door, Pass-Thru Hot Food Holding Cabinet	5,184.55	160.18
11 42 13 00-0038	EA	Two Section, Half Door, Pass-Thru Hot Food Holding Cabinet	5,674.99	160.18
11 42 16		**Food Preparation Surfaces *(11 42)***		
11 42 16 00-0001		Tables *(11 42 16)*		
11 42 16 00-0002		Baker's Table *(11 42 16 00-0001)*		
11 42 16 00-0003	EA	4' Open Base Baker's Table	749.99	39.94
11 42 16 00-0004	EA	10' Open Base Baker's Table	1,471.98	78.30
11 42 16 00-0005	EA	10' Undershelf Baker's Table	1,816.19	96.63
11 42 16 00-0006	EA	10' Three Drawers Baker's Table	1,947.91	103.75
11 42 16 00-0007	EA	10' Bins Baker's Table	2,865.90	152.69
11 42 16 00-0008	EA	10' Bins And Drawers Baker's Table	4,500.29	239.68
11 42 16 00-0009		Preparation Table, Stainless Steel, With Undershelf *(11 42 16 00-0001)*		
11 42 16 00-0010	EA	30" x 72" Square Edge Stainless Steel Preparation Table With Undershelf	416.99	21.06
11 42 16 00-0011	EA	30" x 72' Marine Edge Stainless Steel Preparation Table With Undershelf	451.45	25.29
11 42 16 00-0012	EA	36" x 96" Marine Edge Stainless Steel Preparation Table With Undershelf	679.27	34.38
11 42 16 00-0013		Preparation Table, Stainless Steel, With Open Front *(11 42 16 00-0001)*		
11 42 16 00-0014	EA	30" X 72" Round Edge Stainless Steel Preparation Table With Open Front	439.08	22.16
11 42 16 00-0015	EA	36" X 96" Round Edge Stainless Steel Preparation Table With Open Front	564.35	28.50
11 42 16 00-0016	EA	36" X 96" Square Edge Stainless Steel Preparation Table With Open Front	484.77	24.51
11 42 16 00-0017	EA	36" X 96' Marine Edge Stainless Steel Preparation Table With Open Front	583.51	29.52
11 42 16 00-0018	EA	Roller Utility Drawers Stainless Steel Preparation Table With Open Front	117.87	5.95
11 42 16 00-0019		Mobile Tables *(11 42 16 00-0001)*		
11 42 16 00-0020	EA	21-1/4" x 27-1/2" x 41" Galvanized Mobile Table With Galvanized Top	1,606.55	18.87
11 42 16 00-0021	EA	32-1/4" x 27-1/2" x 41" Galvanized Mobile Table With Galvanized Top	872.98	22.62
11 42 16 00-0022	EA	32-1/4" x 27-1/2" x 41" Stainless Steel Mobile Table With Stainless Steel Top	502.48	25.45
11 42 16 00-0023		Hot Food Tables, Stainless Steel, Gas Or Electric *(11 42 16 00-0001)*		
11 42 16 00-0024	EA	32-1/4" x 27-1/2" x 41" Stainless Steel Hot Food Tables	897.42	45.42
11 42 16 00-0025	EA	32-1/4" x 27-1/2" x 21" Stainless Steel Hot Food Tables	727.89	36.81
11 42 16 00-0026	EA	Full Size Pan With Cover Stainless Steel Hot Food Tables	60.41	3.05
11 42 16 00-0027	EA	Set Of Three 1/3 Size With Cover Stainless Steel Hot Food Tables	88.38	4.46
11 42 16 00-0028	EA	58-1/2", 4 Openings Stainless Steel Hot Food Tables	1,767.24	82.25
11 42 16 00-0029	EA	114-1/2", 8 Openings Stainless Steel Hot Food Tables	3,516.12	164.11
11 42 16 00-0030		Basic Table *(11 42 16 00-0001)*		
11 42 16 00-0031	LF	Table, Basic	252.47	18.99
11 42 16 00-0032		Table With Sink *(11 42 16)*		
11 42 16 00-0033	LF	Table With Sink	308.30	31.21
11 42 23		**Food Preparation Scullery Sinks *(11 42)***		
11 42 23 00-0001		Stainless Steel Scullery Sinks *(11 42 23)*		
		Note: Excludes faucet. See CSI section 22 42 39 00-0075 for service sink faucets.		
11 42 23 00-0002	EA	Stainless Steel Scullery Sink, Single 30" x 24" x 12" Compartment And Drainboard	1,931.55	130.97
		For Additional Drain Board, Add	*180.06*	
11 42 23 00-0003	EA	Stainless Steel Scullery Sink, Double 30" x 24" x 12" Compartment And Drainboard	2,653.91	149.67
		For Additional Drain Board, Add	*251.36*	
11 42 23 00-0004	EA	Stainless Steel Scullery Sink, Triple 30" x 24" x 12" Compartment And Drainboard	3,471.85	149.67
		For Additional Drain Board, Add	*332.22*	
11 42 23 00-0005	EA	Stainless Steel Scullery Sink, Quad 30" x 24" x 12" Compartment And Drainboard	4,907.57	149.67
		For Additional Drain Board, Add	*475.79*	
11 42 23 00-0006	EA	Stainless Steel Pot Sink, Double 20" x 20" x 18" Compartment And Drainboard	3,168.59	149.67
11 42 23 00-0007	EA	Stainless Steel Scullery Sink, Double 24" x 24" x 14" Compartment And Drainboards (Elkay WNSF8248LR)	4,121.97	149.67
		For Additional Drain Board, Add	*398.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

11 44 Food Cooking Equipment *(11 40)*

11 44 13 Commercial Ranges *(11 44)*

11 44 13 00-0001 Range *(11 44 13)*

11 44 13 00-0002	EA	Heavy Duty Range, With 34" Open Top Oven	1,923.43	72.81
11 44 13 00-0003	EA	Range With Fry Top	1,923.43	72.81
11 44 13 00-0004	EA	Steel Finish Fry Top	4,099.09	98.78
11 44 13 00-0005	EA	Stainless Top Only Fry Top	4,097.27	97.65
11 44 13 00-0006	EA	Stainless Top And 2 Sides Fry Top	4,734.51	113.70
11 44 13 00-0007	EA	Gas Range, Vulcan #260L	4,272.45	101.31
		Note: Six 12" burners, open top sections, porcelain on steel aeration plates and grates. 24" griddle/broiler, two 26-1/4" x 22" x 14-1/2" ovens porcelain on steel liner and aluminized steel construction, nickel plated oven racks.		

11 44 16 Commercial Ovens *(11 44)*

11 44 16 00-0001 Bake Oven *(11 44 16)*

11 44 16 00-0002	EA	Bake Oven - Single Deck	3,995.36	109.22
11 44 16 00-0003	EA	Bake Oven - Double Deck	8,141.40	145.63
11 44 16 00-0004	EA	Bake Oven - Triple Deck	11,841.44	145.63
11 44 16 00-0005	EA	Rotary Oven, Gas, Medium	29,676.92	4,732.76

11 44 16 00-0006 Combination Ovens *(11 44 16)*

Note: Convection, steam and combination modes.

11 44 16 00-0007	EA	35.4" x 34" x 26.6" Half Size Electric Boilerless Combination Oven	12,209.89	127.42
11 44 16 00-0008	EA	35.4" x 45" x 36.8" Full Size Electric Boilerless Combination Oven	19,996.67	145.63
11 44 16 00-0009	EA	35.4" x 34" x 36.8 Half Size Electric Boilerless Combination Oven	16,533.11	145.63
11 44 16 00-0010	EA	35.4" x 45" x 70.4" Full Size Electric Boilerless Combination Oven	39,809.89	182.03
11 44 16 00-0011	EA	35.4" x 34" x 70.4 Half Size Electric Boilerless Combination Oven	30,246.70	182.03

11 44 16 00-0012 Electric Convection Type Oven *(11 44 16)*

11 44 16 00-0013	EA	40" x 45" x 57" Convection Oven	6,252.07	123.78
11 44 16 00-0014	EA	30" x 25" x 29" Half Size Electric Convection Oven	3,604.88	127.42
11 44 16 00-0015	EA	30" x 25" x 66-3/4" Half Size Electric Convection Oven	7,332.99	136.52
11 44 16 00-0016	EA	40" x 41-1/2" x 56-3/4" Single Deck Electric Convection Oven	5,071.06	136.52
11 44 16 00-0017	EA	40" x 41-1/2" x 70" Single Deck Electric Convection Oven	9,574.55	145.63

11 44 16 00-0018 Broiler, Without Oven *(11 44 16)*

11 44 16 00-0019	EA	69" x 26" x 39" Broiler Without Oven	5,342.08	116.50
11 44 16 00-0020	EA	Conveyor Broiler	4,748.60	135.21

11 44 19 Other Commercial Cooking Equipment *(11 44)*

11 44 19 00-0001 Electric Griddle *(11 44 19)*

11 44 19 00-0002	EA	24" Wide x 24" Deep Electric Griddle	2,185.84	100.12
11 44 19 00-0003	EA	36" Wide x 24" Deep Electric Griddle	3,085.46	100.12
11 44 19 00-0004	EA	48" Wide x 24" Deep Electric Griddle	3,528.49	109.22
11 44 19 00-0005	EA	60" Wide x 24" Deep Electric Griddle	4,210.35	109.22
11 44 19 00-0006	EA	72" Wide x 24" Deep Electric Griddle	5,384.50	118.32

11 44 19 00-0007 Fryer, With Submerger *(11 44 19)*

11 44 19 00-0008	EA	Single Fryer With Submerger	2,925.85	116.50
11 44 19 00-0009	EA	Double Fryer With Submerger	5,924.40	145.63
11 44 19 00-0010	EA	Fryer Battery With Filter Unit (Single 42 LB Capacity)	8,965.32	189.31
11 44 19 00-0011	EA	Fryer Battery With Filter Unit (Triple 42 LB Capacity)	21,193.64	236.63
11 44 19 00-0012	EA	50 LB Capacity, 208 Volt, Electric Fryer	3,443.52	145.63
11 44 19 00-0013	EA	50 LB Capacity, Single Basket Lift, 208 Volt, Electric Fryer	5,034.57	152.90
11 44 19 00-0014	EA	50 LB Capacity, 480 Volt, Electric Fryer	3,610.59	145.63
11 44 19 00-0015	EA	50 LB Capacity, Single Basket Lift, 480 Volt, Electric Fryer	5,201.64	152.90
11 44 19 00-0016	EA	85 LB Capacity, Single Basket Lift, 208 Volt, Electric Fryer	11,383.37	189.31
11 44 19 00-0017	EA	85 LB Capacity, Single Basket Lift, 480 Volt, Electric Fryer	11,657.53	189.31

11 44 19 00-0018 Kettles, Steam Jacketed *(11 44 19)*

11 44 19 00-0019	EA	5 Gallon Kettle, With Stand	3,005.36	81.04
11 44 19 00-0020	EA	20 Gallon Kettle With Steam Jacket	3,980.83	81.04
11 44 19 00-0021	EA	40 Gallon Kettle With Steam Jacket	7,066.95	81.04
11 44 19 00-0022	EA	60 Gallon Kettle With Steam Jacket	11,039.40	81.04

11 44 19 00-0023 Steamers, Electric *(11 44 19)*

11 44 19 00-0024 Cooking Equipment/ Steamers *(11 44 19 00-0023)*

11 44 19 00-0025	EA	3 Pan, Electric Countertop Convection Steamer	4,702.57	152.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 19 00-0026	EA	5 Pan, Electric Countertop Convection Steamer	6,172.25	160.18
11 44 19 00-0027	EA	3 Pan, Electric Countertop Boilerless/Connectionless Steamer	4,356.99	152.90
11 44 19 00-0028	EA	5 Pan, Electric Countertop Boilerless/Connectionless Steamer	6,321.46	160.18
11 44 19 00-0029		**Braising Pans** *(11 44 19)*		
11 44 19 00-0030	EA	24" x 24", 240 Volt, Tilting Braising Pan	6,330.70	141.26
11 44 19 00-0031	EA	24" x 31", 240 Volt, Tilting Braising Pan	6,680.58	148.55
11 44 19 00-0032	EA	24" x 41", 240 Volt, Tilting Braising Pan	7,115.33	158.19
11 44 19 00-0033	EA	24" x 24", 62,000 BTU/Hour, Tilting Braising Pan	8,252.84	184.20
11 44 19 00-0034	EA	24" x 31", 90,000 BTU/Hour, Tilting Braising Pan	8,533.93	189.88
11 44 19 00-0035	EA	24" x 41", 120,000 BTU/Hour, Tilting Braising Pan	8,865.66	194.91
11 44 19 00-0036		**Toasters** *(11 44 19)*		
11 44 19 00-0037	EA	Bun Toaster 3.2 KW	1,255.19	30.54
11 44 19 00-0038	EA	Bun Toaster 4.3 KW	1,369.86	33.28
11 44 19 00-0039	EA	Pop-Up Toaster, 2 Slot	421.49	78.85
11 44 19 00-0040	EA	Conveyor Toaster	724.78	118.32
11 44 19 00-0041		**Microwave Ovens** *(11 44 19)*		
11 44 19 00-0042	EA	1,000 Watt Commercial Grade Microwave Oven, Freestanding Metallic Cabinet With Dial Timer	666.70	
11 44 19 00-0043	EA	1,000 Watt Commercial Grade Microwave Oven, Freestanding Stainless Steel Cabinet With Digital Display	925.41	
11 44 19 00-0044		**Ceramic Broiler On Storage Base With Doors** *(11 44 19)*		
11 44 19 00-0045	EA	Standard Finish Ceramic Boiler On Storage Base With Doors	5,216.09	115.81
11 44 19 00-0046	EA	Stainless Steel Front Ceramic Boiler On Storage Base With Doors	5,216.09	115.81
11 44 19 00-0047	EA	Stainless Steel Front And Sides Ceramic Boiler On Storage Base With Doors	6,483.04	144.58
11 44 19 00-0048		**Gas Countertop Hot Plate** *(11 44 19)*		
11 44 19 00-0049	EA	2 Burners Gas Countertop Hot Plate	665.00	14.75

11 46 Food Dispensing Equipment *(11 40)*

11 46 13 Bar Equipment *(11 46)*

11 46 13 00-0001 Soft Serve Machines *(11 46 13)*

11 46 13 00-0002	EA	Soft Serve Machines, Medium	9,127.60	86.07
11 46 13 00-0003	EA	Soft Serve Machines, Large	15,397.19	105.14

11 46 13 00-0004 Salad Bars *(11 46 13)*

11 46 13 00-0005	EA	96" Refrigerated Salad Bar With Light 54" Height	6,862.58	314.03
11 46 13 00-0006	EA	96" Refrigerated Salad Bar Without Light 54" Height	6,304.03	314.03
11 46 13 00-0007	EA	96" Iced Salad Bar Without Light 54" Height	4,415.52	172.53
11 46 13 00-0008	EA	79" Iced Salad Bar Without Light 54" Height	3,493.95	141.74
11 46 13 00-0009	EA	79" Refrigerated Salad Bar Without Light 54" Height	5,305.01	207.95
11 46 13 00-0010	EA	114" Iced Salad Bar 34" Height	5,827.51	184.20
11 46 13 00-0011	EA	Salad Bar Tray Fixed	1,147.71	31.20
11 46 13 00-0012	EA	Salad Bar Tray Hinged	1,221.34	31.20

11 46 16 Service Line Equipment *(11 46)*

11 46 16 00-0001 Food Warmer Holding Station *(11 46 16)*

11 46 16 00-0002	EA	Food Warmer Station And Heat Lamp	463.76	11.27

11 46 16 00-0003 Roll And Food Warmers *(11 46 16)*

11 46 16 00-0004	EA	One Drawer, 16 Roll Capacity Food Warmer	997.98	24.28
11 46 16 00-0005	EA	Three Drawer, 36 Roll Capacity Food Warmer	2,283.85	55.60

11 46 16 00-0006 Hot Cabinets With Top Wells Electric *(11 46 16)*

11 46 16 00-0007	EA	2 Wells, 2 Compartments Hot Cabinet With Top Wells, Electric	5,333.68	115.81
11 46 16 00-0008	EA	3 Wells, 3 Compartments Hot Cabinet With Top Wells, Electric	7,620.46	165.97

11 46 16 00-0009 Portable Hot Food Units *(11 46 16)*

11 46 16 00-0010	EA	44-1/2", 3 Opening Portable Hot Food Unit	1,176.52	25.61
11 46 16 00-0011	EA	72-1/2", 5 Opening Portable Hot Food Unit	1,713.00	37.28

11 46 16 00-0012 Stationary Hot Food Units *(11 46 16)*

11 46 16 00-0013	EA	44-1/2", 3 Opening Stationary Hot Food Unit	1,058.54	23.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0014	EA	72-1/2", 5 Opening Stationary Hot Food Unit	1,561.93	34.77
11 46 16 00-0015		**Serving Counters** *(11 46 16)*		
11 46 16 00-0016	LF	11" Deep, Tray Slide With 3 Raised Reinforced Ribs And Backing Plate, 316 Stainless Steel Solid Surface, Straight Section	92.59	29.71
11 46 16 00-0017	LF	11" Deep, Tray Slide With 3 Raised Reinforced Ribs And Backing Plate, 316 Stainless Steel Solid Surface, Curved Section	117.24	45.51
11 46 16 00-0018		**Drop-In Equipment** *(11 46 16)*		
11 46 16 00-0019	EA	Hot Food Well, Rectangular	398.99	94.65
11 46 16 00-0020	EA	Hot Food Well, Circular	366.22	94.65
11 46 16 00-0021	EA	Refrigerated Well, 2 Compartment	977.67	94.65
11 46 16 00-0022	EA	Refrigerated Well, 3 Compartment	1,109.08	105.14
11 46 16 00-0023	EA	Refrigerated Well, 4 Compartment	1,259.25	118.32
11 46 16 00-0024	EA	Frost Cold Plate	1,537.21	105.14
11 46 16 00-0025		**Beverage Dispensing** *(11 46 16)*		
11 46 16 00-0026	EA	Coffee Urn, Twin 3 Gallon	2,493.59	145.19
11 46 16 00-0027	EA	Coffee Urn, Twin 6 Gallon	3,551.63	203.24
11 46 16 00-0028	EA	Coffee Brewer, 5 Burner	1,027.49	145.19
11 46 16 00-0029	EA	Hot Chocolate Dispenser	1,000.82	119.59
11 46 16 00-0030	EA	Iced Tea Brewer	1,467.68	119.59
11 46 16 00-0031	EA	Juice Dispenser (Concentrate)	1,075.56	210.14
11 46 16 00-0032	EA	Jet Spray Dispenser	1,526.41	210.35
11 46 16 00-0033	EA	Milk Dispenser, Bulk, 2 Flavor	1,281.74	118.32
11 46 16 00-0034	EA	Milk Dispenser, Bulk, 3 Flavor	1,748.60	118.32
11 46 16 00-0035		**Dish Dispensers** *(11 46 16)*		
11 46 16 00-0036	EA	Dish Dispenser, 12", Drop-in	517.29	24.38
11 46 16 00-0037	EA	Dish Dispenser, Mobile	1,609.84	28.49
11 46 16 00-0038	EA	Cup And Glass Dispenser, Drop-in	885.53	75.82
11 46 16 00-0039	EA	Disposable Cup Dispenser, Drop-in	320.82	17.07
11 46 16 00-0040		**Tray And Silver Dispensers** *(11 46 16)*		
11 46 16 00-0041	EA	Tray And Silver Dispensers Mobile	2,009.70	17.07
11 46 16 00-0042		**Condiment Dispensers** *(11 46 16)*		
11 46 16 00-0043	EA	Butter Pat Dispenser	119.68	21.38
11 46 16 00-0044	EA	Bread Dispenser, Counter Top	334.27	21.38
11 46 16 00-0045		**Sandwich Rack Warmer** *(11 46 16)*		
11 46 16 00-0046	EA	18 Compartment, 2 Tier Sandwich Rack Warmer	2,520.08	89.96
11 46 16 00-0047		**Mobile Bread Counter** *(11 46 16)*		
11 46 16 00-0048	EA	Mobile Bread And Roll Counter	5,784.35	202.25
11 46 16 00-0049		**Open Service Stand** *(11 46 16)*		
11 46 16 00-0050	EA	6' Open Service Stand	2,230.14	72.53
11 46 16 00-0051	LF	Each Additional Ft Over 6 Ft Add	305.10	9.80
11 46 16 00-0052		**Mobile Serving Stand Unit** *(11 46 16)*		
11 46 16 00-0053	EA	36" Mobile Serving Stand Unit	1,947.82	69.37
11 46 16 00-0054	EA	96" Mobile Serving Stand Unit	3,201.56	103.98
11 46 16 00-0055		**Reach-In Heated Cabinets** *(11 46 16)*		
11 46 16 00-0056	EA	Heated Cabinet, Reach-in, 1 Compartment	3,928.43	121.38
11 46 16 00-0057	EA	Heated Cabinet, Reach-in, 2 Compartment	5,661.93	152.69
11 46 16 00-0058	EA	Heated Cabinet, 1 Compartment, Pass-Through Roll-In	4,112.71	121.38
11 46 16 00-0059	EA	Heated Cabinet, Pass-Through, Roll-In 2 Compartment	5,929.76	152.69
11 46 16 00-0060		**Mobile Heated Cabinets** *(11 46 16)*		
11 46 16 00-0061	EA	Heated Cabinet, Mobile	4,426.35	42.69
11 46 19		**Soda Fountain Equipment** *(11 46)*		
11 46 19 00-0001		Carbonated Beverage Dispensing *(11 46 19)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 19 00-0002	EA	Carbonated Beverage Dispenser	2,735.88	295.83
11 46 19 00-0003	EA	Carbonated Beverage Dispenser With 90 LB Ice	4,350.37	338.07
11 46 19 00-0004	EA	Carbonated Beverage Dispenser With 150 LB Ice	8,010.04	473.28
11 46 19 00-0005		**Beverage Chilling Systems** *(11 46 19)*		
11 46 19 00-0006	EA	Beverage Chiller, Small	4,111.85	249.43
11 46 19 00-0007	EA	Beverage Chiller, Large	7,645.38	374.18
11 46 83		**Ice Machines** *(11 46)*		
11 46 83 00-0001		**Ice Cube Maker** *(11 46 83)*		
11 46 83 00-0002	EA	101 LB/Day, Self Contained Ice Maker With Built-In Bin	1,770.90	127.42
11 46 83 00-0003	EA	201 LB/Day, Self Contained Ice Maker With Built-In Bin	2,096.71	136.52
11 46 83 00-0004	EA	260 LB/Day, Self Contained Ice Maker With Built-In Bin	2,400.54	145.63
11 46 83 00-0005	EA	320 LB/Day, Modular Ice Maker Without Bin	2,118.68	136.52
11 46 83 00-0006	EA	451 LB/Day, Modular Ice Maker Without Bin	2,301.05	145.63
11 46 83 00-0007	EA	600 LB/Day, Modular Ice Maker Without Bin	2,624.66	145.63
11 46 83 00-0008	EA	901 LB/Day, Modular Ice Maker Without Bin	3,727.78	154.72
11 46 83 00-0009	EA	1301 LB/Day, Modular Ice Maker Without Bin	4,220.43	154.72
11 46 83 00-0010	EA	1601 LB/Day, Modular Ice Maker Without Bin	5,077.34	163.83
11 46 83 00-0011	EA	1900 LB/Day, Modular Ice Maker Without Bin	5,600.88	163.83
11 46 83 00-0012		**Ice Flakers** *(11 46 83)*		
11 46 83 00-0013	EA	Ice Flakers, 300 LB/Day	3,245.57	406.64
11 46 83 00-0014	EA	Ice Flakers, 600 LB/Day	5,845.67	650.63
11 46 83 00-0015	EA	Ice Flakers, 1,000 LB/Day	7,264.12	894.61
11 46 83 00-0016	EA	Ice Flakers, 2,000 LB/Day	8,825.30	975.94
11 46 83 00-0017		**Ice Storage Bins** *(11 46 83)*		
11 46 83 00-0018	EA	260 LB Stainless Steel Ice Storage Bin	881.67	102.47
11 46 83 00-0019	EA	360 LB Stainless Steel Ice Storage Bin	960.77	102.47
11 46 83 00-0020	EA	550 LB Stainless Steel Ice Storage Bin	1,188.77	111.01
11 46 83 00-0021	EA	660 LB Stainless Steel Ice Storage Bin	1,276.66	111.01
11 46 83 00-0022	EA	1150 LB Stainless Steel Ice Storage Bin	2,392.34	119.55
11 48		**Foodservice Cleaning and Disposal Equipment** *(11 40)*		
11 48 13		**Commercial Dishwashers** *(11 48)*		
11 48 13 00-0001		**Sprays And Hoses** *(11 48 13)*		
11 48 13 00-0002		**Sprays, Fillers** *(11 48 13 00-0001)*		
11 48 13 00-0003	EA	Pre-Rinse Spray	323.62	59.41
11 48 13 00-0004	EA	Kettle Fillers	282.67	59.41
11 48 13 00-0005		**Hoses** *(11 48 13 00-0001)*		
11 48 13 00-0006	EA	Hose Reel	388.35	71.32
11 48 13 00-0007	EA	Wash-Down Hose	306.44	71.32
11 48 13 00-0008	EA	Hose Reel And Spray System With Accessories (Chicago 535NF)	1,189.91	
11 48 13 00-0009		**Rack Type Dishwasher** *(11 48 13)*		
11 48 13 00-0010	EA	Dishwasher, 1 Tank And 190 Racks/Hour	7,086.26	162.59
11 48 13 00-0011	EA	Dishwasher, 2 Tanks And 234 Racks/Hour	11,826.77	227.63
11 48 13 00-0012	EA	Dishwasher, 2 Tanks And 265 Racks/Hour	14,222.16	243.89
11 48 13 00-0013	EA	Dishwasher, Automatic - 100 Meals/Hour	11,370.18	121.94
11 48 13 00-0014	EA	Dishwasher, Machine Rack	13,315.56	338.76
11 48 13 00-0015	EA	Dishwasher, Hobart LX30-H	3,555.77	142.27
11 48 13 00-0016		**Exhaust Hood Dishwasher** *(11 48 13)*		
11 48 13 00-0017	EA	4' x 4' x 2' Dishwasher Exhaust Hood Stainless Steel With Gutter On All Sides	1,453.43	162.53
11 48 13 00-0018	EA	4' x 4' x 7' Dishwasher Exhaust Hood Stainless Steel With Gutter On All Sides	2,450.20	195.03
11 48 13 00-0019		**Dish Tables** *(11 48 13)*		
11 48 13 00-0020	LF	Clean/Soiled Dish Table, Basic	174.16	31.21
11 48 13 00-0021	LF	Clean/Soiled Dish Table With Trough	272.91	46.77
11 48 13 00-0022	LF	Clean/Soiled Dish Table, Maximum	332.77	62.34
11 48 16		**Food Waste Disposers** *(11 48)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 48 16 00-0001		Garbage Disposals *(11 48 16)* Note: Manual switch.		
11 48 16 00-0002	EA	Garbage Disposal 1.5 HP At 100 GPH	1,989.45	121.94
11 48 16 00-0003	EA	Garbage Disposal 3 HP At 120 GPH	3,061.28	81.30
11 48 16 00-0004	EA	Garbage Disposal 5 HP At 250 GPH	3,657.97	162.59
11 48 16 00-0005	EA	Garbage Disposal 7-1/2 HP	5,050.11	161.62
11 48 16 00-0006		Pulper/Extractors *(11 48 16)*		
11 48 16 00-0007	EA	5 HP, Pulper/Extractor, Close-Coupled	4,447.69	169.34

11 50 Educational And Scientific Equipment *(11)*

11 52 Audio-Visual Equipment *(11 50)*

11 52 13 Projection Screens *(11 52)*

11 52 13 13 Fixed Projection Screens *(11 52 13)*

11 52 13 13-0001		Screens *(11 52 13 13)*		
11 52 13 13-0002		Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model B) *(11 52 13 13-0001)*		
11 52 13 13-0003	EA	40" x 40" Pull Down Projection Screen (Da-Lite B)	178.67	54.83
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0004	EA	50" x 50" Pull Down Projection Screen (Da-Lite B)	216.08	70.50
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0005	EA	60" x 60" Pull Down Projection Screen (Da-Lite B)	284.83	97.92
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0006	EA	70" x 70" Pull Down Projection Screen (Da-Lite B)	334.01	117.50
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0007	EA	84" x 84" Pull Down Projection Screen (Da-Lite B)	511.51	176.25
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0008	EA	96" x 96" Pull Down Projection Screen (Da-Lite B)	590.67	195.83
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0009	EA	64" x 84" Pull Down Projection Screen (Da-Lite B)	409.67	125.33
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0010	EA	72" x 96" Pull Down Projection Screen (Da-Lite B)	482.34	156.66
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0011	EA	43" x 57" Pull Down Projection Screen (Da-Lite B)	242.16	66.58
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0012	EA	50" x 67" Pull Down Projection Screen (Da-Lite B)	337.00	94.00
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0013	EA	55" x 77" Pull Down Projection Screen (Da-Lite B)	370.51	105.75
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0014	EA	60" x 80" Pull Down Projection Screen (Da-Lite B)	396.17	113.58
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0015	EA	69" x 92" Pull Down Projection Screen (Da-Lite B)	463.17	137.08
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0016	EA	45" x 80" Pull Down Projection Screen (Da-Lite B)	364.83	97.92
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0017	EA	52" x 92" Pull Down Projection Screen (Da-Lite B)	416.17	113.58
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0018		Heavy Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C) *(11 52 13 13-0001)*		
11 52 13 13-0019	EA	50" x 50" Pull Down Projection Screen (Da-Lite C)	356.08	70.50
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0020	EA	60" x 60" Pull Down Projection Screen (Da-Lite C)	434.83	97.92
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0021	EA	70" x 70" Pull Down Projection Screen (Da-Lite C)	525.34	133.16
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0022	EA	84" x 84" Pull Down Projection Screen (Da-Lite C)	631.51	176.25
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0023	EA	6' x 8' Pull Down Projection Screen (Da-Lite C)	679.34	180.16
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0024	EA	8' x 8' Pull Down Projection Screen (Da-Lite C)	730.67	195.83
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0025	EA	7' x 9' Pull Down Projection Screen (Da-Lite C)	740.67	195.83
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0026	EA	9' x 9' Pull Down Projection Screen (Da-Lite C)	794.17	207.59
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0027	EA	8' x 10' Pull Down Projection Screen (Da-Lite C)	847.67	219.34
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0028	EA	10' x 10' Pull Down Projection Screen (Da-Lite C)	909.00	235.01
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0029	EA	9' x 12' Pull Down Projection Screen (Da-Lite C)	989.00	235.01
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0030	EA	12' x 12' Pull Down Projection Screen (Da-Lite C)	1,185.68	313.34
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0031		Heavy Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C With CSR) *(11 52 13 13-0001)*		
		Note: With controlled screen return.		
11 52 13 13-0032	EA	60" x 60" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	634.83	97.92
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0033	EA	70" x 70" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	735.34	133.16
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0034	EA	84" x 84" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	841.51	176.25
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0035	EA	6' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	879.34	180.16
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0036	EA	8' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	940.67	195.83
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0037	EA	7' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	950.67	195.83
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0038	EA	9' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	1,004.17	207.59
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0039	EA	8' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	1,029.84	215.42
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0040	EA	10' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	1,149.00	235.01
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0041	EA	9' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	1,239.00	235.01
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0042	EA	12' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	1,455.68	313.34
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	

11 52 13 13-0043 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Cosmopolitan Electrol) *(11 52 13 13-0001)*

Note: Heavy-duty screen for exposed installation.

11 52 13 13-0044	EA	50" x 50" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	1,294.56	88.13
11 52 13 13-0045	EA	60" x 60" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	1,327.49	97.92
11 52 13 13-0046	EA	70" x 70" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	1,392.02	117.50
11 52 13 13-0047	EA	84" x 84" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	1,624.29	176.25
11 52 13 13-0048	EA	6' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	1,664.15	180.16
11 52 13 13-0049	EA	8' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	1,768.87	195.83
11 52 13 13-0050	EA	7' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	1,802.24	195.83
11 52 13 13-0051	EA	9' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	1,893.71	209.54
11 52 13 13-0052	EA	8' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,002.70	219.34
11 52 13 13-0053	EA	10' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,078.07	235.01
11 52 13 13-0054	EA	9' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,138.12	235.01
11 52 13 13-0055	EA	12' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,398.90	313.34

11 52 13 13-0056 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Professional Electrol) *(11 52 13 13-0001)*

Note: Heavy-duty screen for exposed or recessed installation without doors.

11 52 13 13-0057	EA	9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	2,169.00	235.01
11 52 13 13-0058	EA	12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	2,405.68	313.34
11 52 13 13-0059	EA	14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	2,944.01	352.51
11 52 13 13-0060	EA	12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	3,122.34	391.67
11 52 13 13-0061	EA	16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	3,379.02	470.00
11 52 13 13-0062	EA	13.5' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	3,757.34	509.17
11 52 13 13-0063	EA	18' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	4,105.68	548.34
11 52 13 13-0064	EA	15' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	4,305.68	548.34
11 52 13 13-0065	EA	20' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	4,672.35	626.68
11 52 13 13-0066	EA	11' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	4,257.34	509.17
11 52 13 13-0067	EA	16.5' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	4,592.35	626.68
11 52 13 13-0068	EA	22' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	4,849.01	705.01
11 52 13 13-0069	EA	12' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	4,535.68	548.34
11 52 13 13-0070	EA	18' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	5,849.01	705.01

11 52 13 13-0071 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Executive Electrol) *(11 52 13 13-0001)*

Note: In-the-ceiling screen with automatically operated door to conceal screen.

11 52 13 13-0072	EA	50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	1,875.25	88.13
11 52 13 13-0073	EA	60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	1,924.83	97.92
11 52 13 13-0074	EA	70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	1,984.01	117.50
11 52 13 13-0075	EA	84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,171.51	176.25
11 52 13 13-0076	EA	6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,199.34	180.16
11 52 13 13-0077	EA	8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,290.67	195.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0078	EA	7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,350.67	195.83
11 52 13 13-0079	EA	9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,408.09	209.54
11 52 13 13-0080	EA	8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,477.67	219.34
11 52 13 13-0081	EA	10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,549.00	235.01
11 52 13 13-0082	EA	9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,569.00	235.01
11 52 13 13-0083	EA	12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,825.68	313.34
11 52 13 13-0084	EA	10.6' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,024.84	332.92
11 52 13 13-0085	EA	14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,164.01	352.51
11 52 13 13-0086	EA	12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,462.34	391.67
11 52 13 13-0087	EA	16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,669.02	470.00

11 52 13 13-0088 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Senior Electrol) *(11 52 13 13-0001)*

Note: In-the-ceiling screen with automatically operated door to conceal screen.

11 52 13 13-0089	EA	50" x 50" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,571.25	88.13
11 52 13 13-0090	EA	60" x 60" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,624.42	107.71
11 52 13 13-0091	EA	70" x 70" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,653.01	117.50
11 52 13 13-0092	EA	84" x 84" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,799.51	176.25
11 52 13 13-0093	EA	6' x 8' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,816.34	180.16
11 52 13 13-0094	EA	8' x 8' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,885.67	195.83
11 52 13 13-0095	EA	7' x 9' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,938.67	195.83
11 52 13 13-0096	EA	9' x 9' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,037.09	209.54
11 52 13 13-0097	EA	8' x 10' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,070.67	219.34
11 52 13 13-0098	EA	10' x 10' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,145.00	235.01
11 52 13 13-0099	EA	9' x 12' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,183.34	274.17
11 52 13 13-0100	EA	12' x 12' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,401.68	313.34
11 52 13 13-0101	EA	10'-6" x 14' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,938.84	332.92
11 52 13 13-0102	EA	14' x 14' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,073.01	352.51
11 52 13 13-0103	EA	12' x 16' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,336.34	391.67
11 52 13 13-0104	EA	16' x 16' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,535.01	470.00
11 52 13 13-0105	EA	13'-6" x 18' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,848.35	509.17
11 52 13 13-0106	EA	18' x 18' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	4,093.68	548.34
11 52 13 13-0107	EA	15' x 20' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	4,239.68	548.34
11 52 13 13-0108	EA	20' x 20' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	4,708.35	626.68
11 52 13 13-0109	EA	50" x 67" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,653.01	117.50
11 52 13 13-0110	EA	60" x 80" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,760.34	156.66
11 52 13 13-0111	EA	69" x 92" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,808.51	176.25
11 52 13 13-0112	EA	87" x 116" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,080.67	219.34
11 52 13 13-0113	EA	105" x 140" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,266.34	274.17
11 52 13 13-0114	EA	123" x 164" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,822.01	352.51
11 52 13 13-0115	EA	141" x 188" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,054.68	430.84
11 52 13 13-0116	EA	12' x 24' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,202.01	587.51
11 52 13 13-0117	EA	45" x 80" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,765.34	156.66

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0118	EA	52" x 92" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,823.51	176.25
11 52 13 13-0119	EA	54" x 96" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,876.01	188.00
11 52 13 13-0120	EA	58" x 104" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,916.34	203.67
11 52 13 13-0121	EA	65" x 116" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,032.67	219.34
11 52 13 13-0122	EA	78" x 139" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,228.34	274.17
11 52 13 13-0123	EA	92" x 164" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,795.01	352.51
11 52 13 13-0124	EA	106" x 188" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,253.68	430.84
11 52 13 13-0125	EA	119" x 212" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,935.35	509.17
11 52 13 13-0126		Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Boardroom Electrol) *(11 52 13 13-0001)* Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0127	EA	50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,502.28	88.13
11 52 13 13-0128	EA	60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,553.89	97.92
11 52 13 13-0129	EA	70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,617.09	117.50
11 52 13 13-0130	EA	84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,817.33	176.25
11 52 13 13-0131	EA	6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,851.85	180.16
11 52 13 13-0132	EA	8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,940.57	195.83
11 52 13 13-0133	EA	7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,029.98	195.83
11 52 13 13-0134	EA	9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,114.78	209.54
11 52 13 13-0135	EA	8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,177.06	219.34
11 52 13 13-0136	EA	10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,276.45	235.01
11 52 13 13-0137	EA	9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,368.53	235.01
11 52 13 13-0138	EA	12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,602.62	313.34
11 52 13 13-0139		Electric Ascending Project Screen, Matte White, Glass Beaded (Da-Lite Ascender Electrol) *(11 52 13 13-0001)* Note: High contrast matte white, video spectrum or high power. Includes a motorized spring assisted scissors mechanism which raises the screen surface from the housing ensuring smooth operation. A trap door housing keeps the screen and lift mechanism hidden until the screen is activated.		
11 52 13 13-0140	EA	60" x 80" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	4,770.67	195.83
11 52 13 13-0141	EA	69" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	5,129.00	235.01
11 52 13 13-0142	EA	87" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	6,044.01	352.51
11 52 13 13-0143	EA	105" x 140" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	7,639.02	470.00
11 52 13 13-0144	EA	120" x 160" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	8,495.68	548.34
11 52 13 13-0145	EA	52" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	5,050.67	195.83
11 52 13 13-0146	EA	58" x 104" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	5,539.00	235.01
11 52 13 13-0147	EA	65" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	5,887.34	274.17
11 52 13 13-0148	EA	78" x 139" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	7,404.01	352.51
11 52 13 13-0149		Electric Rear Projection Screen (Da-Lite DA-View) *(11 52 13 13-0001)* Note: Consists of a single acrylic layer with rear Fensel lens and lenticulated front profile. Un-framed.		
11 52 13 13-0150	EA	60" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	2,434.43	195.83
11 52 13 13-0151	EA	67" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	3,041.35	215.42
11 52 13 13-0152	EA	72" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	3,477.94	235.01
11 52 13 13-0153	EA	84" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	6,185.53	254.59

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0154	EA	90" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	6,849.23	6,575.06
11 52 13 13-0155	EA	96" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	7,608.87	313.34
11 52 13 13-0156	EA	100" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	9,731.10	352.51
11 52 13 13-0157	EA	120" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	13,102.38	391.67
11 52 13 13-0158	EA	125" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	14,656.87	430.84
11 52 13 13-0159	EA	135" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	19,561.07	470.00
11 52 13 13-0160		Screen Accessories *(11 52 13 13-0001)*		
11 52 13 13-0161		Manual Pull Down Accessories *(11 52 13 13-0160)*		
11 52 13 13-0162	EA	6" Mounting Bracket (Pair)	29.75	5.88
11 52 13 13-0163	EA	14" Wall Mounting Bracket (Pair)	39.75	6.26
11 52 13 13-0164	EA	14-1/2" To 24" Adjustable Wall Mounting Bracket (Pair)	45.75	7.05
11 52 13 13-0165		Electric Powered Screen Accessories *(11 52 13 13-0160)*		
11 52 13 13-0166	EA	Single Motor Low Voltage Remote Control System - Infrared	258.57	
11 52 13 13-0167	EA	Single Motor Low Voltage Remote Control System - Radio Frequency	368.57	
11 52 13 13-0168		Relocate Existing Fixed Projection Screen *(11 52 13 13)*		
11 52 13 13-0169	EA	Relocate Electric Controlled Projection Screen, Including Storage And Cleaning	1,151.98	
11 52 13 16		**Portable Projection Screens** *(11 52 13)*		
11 52 13 16-0001		Motion Picture Screen And Case *(11 52 13 16)*		
11 52 13 16-0002	SF	Screen, Riser Projection With Anodized Aluminum Frame	18.39	2.82
11 52 16		**Projectors** *(11 52)*		
11 52 16 26		**Video Projectors** *(11 52 16)*		
11 52 16 26-0001		Projectors *(11 52 16 26)*		
11 52 16 26-0002	EA	2,000 Lumens Output, 800 x 600 Pixels, SVGA Compact 3LCD Panels Projector	696.68	39.17
11 52 16 26-0003	EA	2,000 Lumens Output, 1024 x 768 Pixels, XGA Compact 3LCD Panels Projector	804.89	39.17
11 52 16 26-0004	EA	2,000 Lumens Output, 1280 x 800 Pixels, WXGA Compact 3LCD Panels Projector	1,059.96	39.17
11 52 16 26-0005	EA	3,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	1,662.86	39.17
11 52 16 26-0006	EA	3,500 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	1,933.39	39.17
11 52 16 26-0007	EA	3,000 Lumens Output, 1366 x 800 Pixels, WXGA 3LCD Panels Projector	2,451.26	39.17
11 52 16 26-0008	EA	4,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	3,888.92	39.17
11 52 16 26-0009	EA	5,200 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	5,264.76	39.17
11 52 16 26-0010	EA	6,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	7,807.73	39.17
11 52 16 26-0011		Projector Mounts *(11 52 16 26)*		
11 52 16 26-0012		Universal Projector Mounts *(11 52 16 26-0011)* Note: Includes ceiling or wall mounting hardware and hardware for attaching projector. Excludes projector.		
11 52 16 26-0013	EA	Flush Ceiling, Universal Projector Mount (Peerless PPF)	166.28	43.07
11 52 16 26-0014	EA	Wall Arm, Universal Projector Mount (Peerless PWA-14)	262.24	43.07
11 52 16 26-0015		Projector Mount Components *(11 52 16 26-0011)* Note: Complete projector mount system will include ceiling attachment plate, threaded extension column and projector attachment plate. Excludes projector.		
11 52 16 26-0016		Ceiling Attachment Plates For Projector Mounts *(11 52 16 26-0015)*		
11 52 16 26-0017	EA	Finished Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 570)	61.97	19.57
11 52 16 26-0018	EA	Truss Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 557)	81.66	19.57
11 52 16 26-0019	EA	I-Beam Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 558/559)	110.81	19.57
11 52 16 26-0020	EA	Suspended Ceiling, Attachment Plate For Projector Mounts (Peerless CMJ 455)	138.62	19.57
11 52 16 26-0021		Projector Attachment Plates For Projector Mounts *(11 52 16 26-0015)*		
11 52 16 26-0022	EA	Universal Projector Attachment Plate For Projector Mounts (Peerless PRG-UNV)	197.04	19.57
11 52 16 26-0023	EA	High Security Projector Enclosure For Projector Mounts (Peerless ALB)	426.61	19.57
11 52 16 26-0024		Threaded Extension Columns For Projector Mounts *(11 52 16 26-0015)*		
11 52 16 26-0025		Fixed Length, Threaded Extension Column For Projector Mounts *(11 52 16 26-0024)* Note: Peerless EXT series.		
11 52 16 26-0026	EA	6" Fixed Length, Threaded Extension Column For Projector Mounts	34.83	5.88
11 52 16 26-0027	EA	12" Fixed Length, Threaded Extension Column For Projector Mounts	44.54	5.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 16 26-0028	EA	18" Fixed Length, Threaded Extension Column For Projector Mounts	48.19	5.88
11 52 16 26-0029	EA	24" Fixed Length, Threaded Extension Column For Projector Mounts	50.62	5.88
11 52 16 26-0030	EA	36" Fixed Length, Threaded Extension Column For Projector Mounts	60.60	7.83
11 52 16 26-0031	EA	48" Fixed Length, Threaded Extension Column For Projector Mounts	72.75	7.83
11 52 16 26-0032	EA	60" Fixed Length, Threaded Extension Column For Projector Mounts	92.18	7.83
11 52 16 26-0033	EA	72" Fixed Length, Threaded Extension Column For Projector Mounts	105.54	7.83
11 52 16 26-0034	EA	84" Fixed Length, Threaded Extension Column For Projector Mounts	124.03	9.79
11 52 16 26-0035	EA	96" Fixed Length, Threaded Extension Column For Projector Mounts	141.03	9.79
11 52 16 26-0036	EA	108" Fixed Length, Threaded Extension Column For Projector Mounts	157.10	11.75
11 52 16 26-0037	EA	120" Fixed Length, Threaded Extension Column For Projector Mounts	164.39	11.75
11 52 16 26-0038		Adjustable Length, Threaded Extension Columns For Projector Mounts *(11 52 16 26-0024)*		
		Note: Peerless ADJ series. Adjustable at 1" increments.		
11 52 16 26-0039	EA	6" To 9" Adjustable Length, Threaded Extension Column For Projector Mounts	70.58	9.79
11 52 16 26-0040	EA	12" To 18" Adjustable Length, Threaded Extension Column For Projector Mounts	107.02	9.79
11 52 16 26-0041	EA	18" To 24" Adjustable Length, Threaded Extension Column For Projector Mounts	109.45	9.79
11 52 16 26-0042	EA	24" To 36" Adjustable Length, Threaded Extension Column For Projector Mounts	113.10	9.79
11 52 16 26-0043	EA	36" To 60" Adjustable Length, Threaded Extension Column For Projector Mounts	123.09	11.75
11 52 16 26-0044	EA	48" To 72" Adjustable Length, Threaded Extension Column For Projector Mounts	129.16	11.75
11 52 16 26-0045	EA	60" To 84" Adjustable Length, Threaded Extension Column For Projector Mounts	142.52	11.75
11 52 16 26-0046	EA	72" To 96" Adjustable Length, Threaded Extension Column For Projector Mounts	154.67	11.75
11 52 16 26-0047	EA	84" To 108" Adjustable Length, Threaded Extension Column For Projector Mounts	171.95	13.71
11 52 16 26-0048	EA	96" To 120" Adjustable Length, Threaded Extension Column For Projector Mounts	184.10	13.71
11 52 16 26-0049	EA	108" To 132" Adjustable Length, Threaded Extension Column For Projector Mounts	201.37	15.66
11 52 16 26-0050	EA	120" To 144" Adjustable Length, Threaded Extension Column For Projector Mounts	209.87	15.66
11 53		Laboratory Equipment *(11 50)*		
11 53 43		**Service Fittings And Accessories** *(11 53)*		
11 53 43 00-0001		Outlet And Valves *(11 53 43)*		
11 53 43 00-0002	EA	Medical Outlet Conversion Kit (Air, Oxygen, And Vacuum)	589.40	
11 53 43 00-0003		Test And Certify *(11 53 43)*		
11 53 43 00-0004	EA	Test And Certify Medical Gas Port	40.66	
11 60		Entertainment and Recreation Equipment *(11)*		
11 66		Athletic Equipment *(11 60)*		
11 66 13		**Exercise Equipment** *(11 66)*		
11 66 13 00-0001		Fitness Systems *(11 66 13)*		
11 66 13 00-0002		Components For Physical Fitness Activities *(11 66 13 00-0001)*		
11 66 13 00-0003	EA	Sit And Reach	779.77	85.81
11 66 13 00-0004	EA	Isometric Squat	292.48	34.32
11 66 13 00-0005	EA	Log Jump	1,832.96	137.30
11 66 13 00-0006	EA	Step Up	441.37	68.65
11 66 13 00-0007	EA	Hip Rotation	1,988.68	120.14
11 66 13 00-0008	EA	Body Curl	753.89	68.65
11 66 13 00-0009	EA	Horizontal Ladder	2,398.87	137.30
11 66 13 00-0010	EA	Chin Up	1,841.41	137.30
11 66 13 00-0011	EA	Push Up	1,112.86	68.65
11 66 13 00-0012	EA	Leg Raise	1,561.61	102.98
11 66 13 00-0013	EA	Log Hop	697.91	34.32
11 66 13 00-0014	EA	Parallel Bar	1,504.60	102.98
11 66 13 00-0015	EA	Leg Stretch	652.53	68.65
11 66 13 00-0016	EA	Balance Beam	578.09	51.49
11 66 13 00-0017	EA	Log Roll	1,768.00	85.81
11 68		Play Field Equipment And Structures *(11 60)*		
11 68 13		**Playground Equipment** *(11 68)*		
		See CSI section 32 31 13 00-0001 for augering holes and fill for posts.		
11 68 13 00-0001		Standalone Playground Equipment *(11 68 13)*		
11 68 13 00-0002		Ground Socket For Movable Posts *(11 68 13 00-0001)*		
11 68 13 00-0003	PR	Ground Socket For 2-3/8" Post For Playground Equipment	185.45	46.34
11 68 13 00-0004	PR	Ground Socket For 3-1/2" Post For Playground Equipment	263.02	46.34
11 68 13 00-0005		See-Saws *(11 68 13 00-0001)*		
11 68 13 00-0006		Steel See-Saw *(11 68 13 00-0005)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0007	EA	2 Unit Steel See-Saw	1,470.24	285.14
11 68 13 00-0008	EA	4 Unit Steel See-Saw	2,272.09	336.97
11 68 13 00-0009	EA	6 Unit Steel See-Saw	3,101.88	411.86
11 68 13 00-0010		14' Long Laminated Beam *(11 68 13 00-0005)*		
11 68 13 00-0011	EA	Beam Is Supported By Two 12 In x 12 In Stepping Column Posts	1,460.54	252.13
11 68 13 00-0012	EA	Beam Is Supported By Two 8 In x 8 In Posts	1,044.27	224.60
11 68 13 00-0013		Slides *(11 68 13 00-0001)*		
11 68 13 00-0014	EA	8' Long x 4' High Slide With Stainless Steel Bed	1,771.57	326.06
11 68 13 00-0015	EA	12' Long x 6' High Slide With Stainless Steel Bed	2,497.25	463.34
11 68 13 00-0016	EA	16' Long x 8' High Slide With Stainless Steel Bed	2,767.17	514.82
11 68 13 00-0017	EA	20' Long x 10' High Slide With Stainless Steel Bed	3,409.67	570.29
11 68 13 00-0018	EA	6' High, 360 Degree One Piece Molded Polyethylene Slide	4,943.61	897.10
11 68 13 00-0019	EA	7' High, 360 Degree Slide, Stainless Steel Bed	9,767.64	925.45
11 68 13 00-0020	EA	9' High, 360 Degree Slide, Stainless Steel Bed	12,169.64	972.67
11 68 13 00-0021		Whirlers *(11 68 13 00-0001)*		
11 68 13 00-0022	EA	8' Diameter Whirler	3,826.48	617.79
11 68 13 00-0023	EA	10' Diameter Whirler	4,464.64	741.35
11 68 13 00-0024		Other Standalone Playground Equipment *(11 68 13 00-0001)*		
11 68 13 00-0025		Miscellaneous Standalone Playground Equipment *(11 68 13 00-0024)*		
11 68 13 00-0026	EA	Horizontal Ladder	1,171.14	165.10
11 68 13 00-0027	EA	Tether Ball Post	206.04	32.26
11 68 13 00-0028	PR	10'-6" Long Multiple Purpose Post	321.36	57.04
11 68 13 00-0029	EA	3-Person Fiberglass Golf Tee Shelter Turntable	2,086.25	161.17
11 68 13 00-0030	EA	Horizontal Turning Bars, 1 Bar	392.09	86.16
11 68 13 00-0031	EA	Horizontal Turning Bars, 2 Bars	521.28	102.98
11 68 13 00-0032	EA	Horizontal Turning Bars, 3 Bars	701.80	137.30
11 68 13 00-0033	EA	Horizontal Turning Bars, 5 Bars	1,018.36	188.79
11 68 13 00-0034	EA	Top Goal Opening With 4 Exit Holes (One Each Side) And 8' Pole	988.31	78.60
11 68 13 00-0035	EA	Top Goal Opening With 4 Exit Holes (One Each Side) And 10' Pole	1,087.02	84.86
11 68 13 00-0036	EA	Coil Spring With Single Riding Aluminum Saddle Devices	1,068.83	90.96
11 68 13 00-0037	EA	"C" Spring With Single Riding Aluminum Saddle Devices	676.05	78.26
11 68 13 00-0038	EA	Rubber Spring With Single Riding Aluminum Saddle Devices	840.07	102.49
11 68 13 00-0039	EA	Coil Spring Assembly Only	281.52	37.69
11 68 13 00-0040	EA	"C" Spring Assembly Only	187.12	25.13
11 68 13 00-0041	EA	Rubber Spring Assembly Only	214.89	49.02
11 68 13 00-0042	EA	Footbuck Assembly Only	48.67	6.59
11 68 13 00-0043	EA	Replacement Animal Only	682.92	53.41
11 68 13 00-0044	EA	Two Seat, Two Spring Action Cars (4'-8" x 2'-8")	1,208.91	94.26
11 68 13 00-0045		Freestanding Panels *(11 68 13 00-0024)*		
		Note: Rotomolded polyethylene.		
11 68 13 00-0046	EA	Tic-Tac-Toe Panel	514.93	40.37
11 68 13 00-0047	EA	24" Bubble Panel	771.38	60.48
11 68 13 00-0048	EA	Fire Engine Panel	1,132.03	88.76
11 68 13 00-0049	EA	Flat Mirror Panel	905.64	71.05
11 68 13 00-0050	EA	Wavy Mirror Panel	1,340.41	105.17
11 68 13 00-0051	EA	Paint Time Panel	869.57	68.24
11 68 13 00-0052	EA	Phone Time Panel	617.11	48.40
11 68 13 00-0053	EA	Phone Time With Graphic Panel	617.11	48.40
11 68 13 00-0054	EA	Race Time Panel	1,081.94	84.86
11 68 13 00-0055	EA	Rescue 911 Panel	1,097.15	84.86
11 68 13 00-0056	EA	Eastern/Central/Western States Panel	591.07	46.34
11 68 13 00-0057	EA	Career People Panel	671.21	52.65
11 68 13 00-0058	EA	Solar System Panel	671.21	52.65
11 68 13 00-0059	EA	Animals Panel	671.21	52.65
11 68 13 00-0060		Freestanding Panels Uprights *(11 68 13 00-0024)*		
11 68 13 00-0061	EA	3-1/2" Outside Diameter End Panel Upright	166.88	22.66
11 68 13 00-0062	EA	3-1/2" Outside Diameter 90 Degree Upright	180.79	24.51
11 68 13 00-0063	EA	3-1/2" Outside Diameter 180 Degree Upright	180.79	24.51
11 68 13 00-0064	EA	3-1/2" Outside Diameter "T-Shaped" Upright	192.39	26.09
11 68 13 00-0065		Coasters *(11 68 13 00-0024)*		
11 68 13 00-0066	EA	12' Single Metal Coaster With Four Posts	3,956.65	274.60
11 68 13 00-0067	EA	18' Single Metal Coaster With Four Posts	4,449.97	343.25
11 68 13 00-0068	EA	12' Double Metal Coaster With Four Posts	6,377.55	411.90
11 68 13 00-0069	EA	18' Double Metal Coaster With Four Posts	7,285.54	514.88

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0070		**Climbers** *(11 68 13 00-0024)*		
11 68 13 00-0071	EA	Tower Climber, 3.17' Diameter x 7.25' High	819.09	183.43
11 68 13 00-0072	EA	Arch Climber, 2' x 12' x 4.5' High	757.77	224.63
11 68 13 00-0073	EA	Arch Climber, 2' x 15' x 5.83' High	811.97	183.43
11 68 13 00-0074	EA	Arch Climber, 2' x 17' x 6.58' High	863.31	224.63
11 68 13 00-0075	EA	Rainbow Climber, 2' x 10'-5" x 4' High	915.59	183.23
11 68 13 00-0076	EA	Rainbow Climber, 2' x 10'-5" x 5' High	1,010.61	183.29
11 68 13 00-0077	EA	Rainbow Climber, 2' x 12'-5" x 6' High	1,156.14	183.29
11 68 13 00-0078	EA	Rainbow Climber, 2' x 15'-4" x 7' High	1,251.32	183.23
11 68 13 00-0079	EA	Double Level Arch Climber, 6' Wide x 12'-6" x 6' High Upper Section / 5' High Lower Section	1,505.20	214.54
11 68 13 00-0080	EA	12' Long Horizontal Ladder Climber	1,215.43	160.14
11 68 13 00-0081	EA	14' Long Horizontal Ladder Climber	1,231.45	160.14
11 68 13 00-0082	EA	16' Long Horizontal Ladder Climber	1,337.49	160.14
11 68 13 00-0083	EA	Bell Climber, 7'-5" High With Double Bars	1,296.80	205.95
11 68 13 00-0084	EA	2-Way Climber	1,095.61	165.10
11 68 13 00-0085	EA	4-Way Climber	1,671.25	165.10
11 68 13 00-0086		**Swings** *(11 68 13 00-0001)*		
11 68 13 00-0087		**Two-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail** *(11 68 13 00-0086)*		
		Note: Legs, 1-7/8" diameter, traditional.		
11 68 13 00-0088	EA	8' High Top Rail, One Section Two Seats	1,075.38	252.13
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*122.41*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*128.13*	
11 68 13 00-0089	EA	8' High Top Rail, Two Sections Four Seats	1,700.89	360.79
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*194.59*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*207.55*	
11 68 13 00-0090	EA	8' High Top Rail, Three Sections, Six Seats	2,358.24	530.89
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*269.49*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*286.24*	
11 68 13 00-0091	EA	8' High Top Rail, Four Sections, Eight Seats	2,944.67	617.79
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*337.19*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*360.83*	
11 68 13 00-0092	EA	10' High Top Rail, One Section Two Seats	1,136.72	252.13
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*130.08*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*138.86*	
11 68 13 00-0093	EA	10' High Top Rail, Two Section Four Seats	1,789.54	384.26
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*203.95*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*214.48*	
11 68 13 00-0094	EA	10' High Top Rail, Three Sections, Six Seats	2,486.56	596.72
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*282.39*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*293.02*	
11 68 13 00-0095	EA	10' High Top Rail, Four Sections, Eight Seats	3,272.95	720.76
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*373.07*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*392.51*	
11 68 13 00-0096		**Three-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail** *(11 68 13 00-0086)*		
		Note: Legs, 1-7/8" diameter, traditional.		
11 68 13 00-0097	EA	8' High Top Rail, One Section, Two Seats	1,197.14	222.68
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*138.51*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*153.82*	
11 68 13 00-0098	EA	8' High Top Rail, Two Sections, Four Seats	1,737.46	323.10
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*201.03*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*223.28*	
11 68 13 00-0099	EA	8' High Top Rail, Three Sections, Six Seats	2,318.68	432.11
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*268.23*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*297.74*	
11 68 13 00-0100	EA	8' High Top Rail, Four Sections, Eight Seats	2,881.00	514.82
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*334.38*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*375.45*	
11 68 13 00-0101	EA	10' High Top Rail, One Section, Two Seats	1,349.90	250.96
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*156.19*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*173.50*	
11 68 13 00-0102	EA	10' High Top Rail, One Section Three Seats	1,404.38	266.13
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*162.87*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*182.38*	
11 68 13 00-0103	EA	10' High Top Rail, Two Sections, Four Seats	1,885.20	351.32
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*218.08*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*242.07*	
11 68 13 00-0104	EA	10' High Top Rail, Two Sections, Six Seats	2,244.00	405.00
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*261.21*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*296.23*	
11 68 13 00-0105	EA	10' High Top Rail, Three Section, Six Seats	2,509.25	467.39
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*290.29*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*322.26*	
11 68 13 00-0106	EA	10' High Top Rail, Three Sections, Nine Seats	3,081.19	515.03
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*359.40*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*410.48*	
11 68 13 00-0107	EA	10' High Top Rail, Four Section, Eight Seats	3,198.96	617.79
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*368.97*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*405.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0108	EA	12' High Top Rail, One Section Three Seats	1,465.29	272.59
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*170.17*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*191.49*	
11 68 13 00-0109	EA	12' High Top Rail, Two Sections, Six Seats	2,380.63	438.56
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*276.69*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*312.15*	
11 68 13 00-0110	EA	12' High Top Rail, Three Sections, Nine Seats	3,518.40	702.43
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*405.48*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*444.11*	
11 68 13 00-0111		**Swing Accessories** *(11 68 13 00-0086)*		
11 68 13 00-0112	EA	Enclosed Tot Seat With Chain And Hardware	321.87	20.69
11 68 13 00-0113	EA	Bucket Seat With Chain And Hardware	267.58	17.21
11 68 13 00-0114	EA	Belt Seat With Chain And Hardware	285.02	18.37
11 68 13 00-0115	EA	Seat With Chain And Hardware	281.15	18.10
11 68 13 00-0116	EA	Wide Seat With Chain And Hardware	296.77	19.12
11 68 13 00-0117	EA	Handi Seat With Chain And Hardware	886.10	57.03
11 68 13 00-0118	LF	0.4 LB/LF Replacement Chain	3.83	0.41
11 68 13 00-0119	LF	1 LB/LF Replacement Chain	7.12	0.82
11 68 13 00-0120	EA	Swing Hanger Replacement	41.59	4.72
11 68 13 00-0121		**Modular Playground Stations** *(11 68 13)*		
		Note: Complete as described.		
11 68 13 00-0122		**"Miracle" Or Equal** *(11 68 13 00-0121)*		
11 68 13 00-0123	EA	Miracle 714-029	70,415.04	7,139.64
11 68 13 00-0124	EA	Miracle 714-030	28,374.08	2,876.45
11 68 13 00-0125	EA	Miracle 714-031	36,495.22	3,700.26
11 68 13 00-0126	EA	Miracle 714-055	111,127.44	11,238.07
11 68 13 00-0127	EA	Miracle 714-059	51,348.23	5,196.84
11 68 13 00-0128	EA	Miracle 714-038	5,932.86	600.01
11 68 13 00-0129	EA	Miracle 714-053	40,457.44	4,091.56
11 68 13 00-0130	EA	Miracle 714-050	28,615.54	2,897.05
11 68 13 00-0131	EA	Miracle 714-056	100,680.38	10,173.99
11 68 13 00-0132	EA	Miracle 714-020	43,859.47	4,434.82
11 68 13 00-0133	EA	Miracle 714-035	35,770.98	3,611.01
11 68 13 00-0134	EA	Miracle 714-021	48,396.15	4,887.91
11 68 13 00-0135	EA	Miracle 714-034	54,043.61	5,457.70
11 68 13 00-0136	EA	Miracle 714-025	19,320.52	1,949.67
11 68 13 00-0137	EA	Miracle 714-027	24,993.64	2,526.34
11 68 13 00-0138	EA	Miracle 714-057	25,390.68	2,567.53
11 68 13 00-0139	EA	Miracle 714-061	29,312.89	2,965.70
11 68 13 00-0140	EA	Miracle 714-003	33,801.56	3,418.79
11 68 13 00-0141	EA	Miracle 714-002-1	35,352.69	3,576.68
11 68 13 00-0142	EA	Miracle 714-018	28,302.05	2,862.72
11 68 13 00-0143	EA	Miracle 714-019	18,091.18	1,826.10
11 68 13 00-0144	EA	Miracle 714-023	13,579.48	1,373.00
11 68 13 00-0145	EA	Miracle 714-010	31,028.78	3,137.32
11 68 13 00-0146	EA	Miracle 718-008	12,777.10	1,290.63
11 68 13 00-0147	EA	Miracle 718-002	18,975.86	1,922.21
11 68 13 00-0148	EA	Miracle 718-010	12,285.96	1,242.58
11 68 13 00-0149	EA	Miracle 718-005	17,352.84	1,760.88
11 68 13 00-0150	EA	Miracle 718-854	1,504.84	151.03
11 68 13 00-0151	EA	Miracle 1314-2	985.22	99.55
11 68 13 00-0152	EA	Miracle 718-009	5,302.33	536.15
11 68 13 00-0153	EA	Miracle 718-014	16,386.02	1,654.48
11 68 13 00-0154	EA	Miracle 718-012	9,466.06	954.24
11 68 13 00-0155	EA	Miracle 718-001	15,150.81	1,530.90
11 68 13 00-0156	EA	Miracle 718-011	8,727.18	878.73
11 68 13 00-0157	EA	Miracle 162-422	93,691.78	9,446.30
11 68 13 00-0158	EA	Miracle 162-440	39,634.75	4,002.31
11 68 13 00-0159	EA	Miracle 162-438	78,446.99	7,922.25
11 68 13 00-0160	EA	Miracle 162-435-1	16,202.05	1,633.88
11 68 13 00-0161	EA	Miracle 162-411	69,028.45	6,961.15
11 68 13 00-0162	EA	Miracle 162-495	18,360.11	1,853.56
11 68 13 00-0163	EA	Miracle 162-436	35,043.74	3,528.63
11 68 13 00-0164	EA	Miracle 162-408	48,852.91	4,929.09
11 68 13 00-0165	EA	Miracle 137A	8,035.82	810.07
11 68 13 00-0166	EA	Miracle 136A	5,778.00	583.53
11 68 13 00-0167	EA	Miracle 134RA	4,681.91	473.69
11 68 13 00-0168	EA	Miracle 138RA	7,518.72	755.15
11 68 13 00-0169	EA	Miracle 121-112A	3,596.01	363.85
11 68 13 00-0170	EA	Miracle 105-22A	5,018.01	508.02
11 68 13 00-0171	EA	Miracle 132-31A	5,394.10	542.34
11 68 13 00-0172	EA	Miracle 132-71A	10,291.98	1,036.63
11 68 13 00-0173	EA	Miracle Twin Rider 608-1	1,156.37	116.71
11 68 13 00-0174	EA	Miracle Twin Bear Rider 608-2	2,347.97	236.16
11 68 13 00-0175	EA	Miracle 4-way Animal Hop 926	4,423.34	446.22
11 68 13 00-0176	EA	Miracle Spaceship Columbia 939	1,407.84	144.17
11 68 13 00-0177	EA	Miracle Grad Prix 950	1,642.90	164.76

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0178	EA	Miracle Moto-Cross With "C" Spring	1,111.71	109.84
11 68 13 00-0179	EA	Miracle Rodeo Rider With "C" Spring 901	721.55	72.08
11 68 13 00-0180	EA	Miracle Frog With "C" Spring 932	721.55	72.77
11 68 13 00-0181	EA	Miracle Jet Interceptor With "C" Spring 940	721.55	72.77
11 68 13 00-0182	EA	Miracle Elephant With "C" Spring 938	721.55	72.77
11 68 13 00-0183	EA	Miracle Lion With "C" Spring 917	721.55	72.77
11 68 13 00-0184	EA	Miracle Schnozz Womp With "C" Spring 933	721.55	72.77
11 68 13 00-0185	EA	Miracle Squirrel With "C" Spring 918	721.55	72.77
11 68 13 00-0186	EA	Miracle Seal With "C" Spring 919	721.55	72.77
11 68 13 00-0187	EA	Miracle 13' Geodesic Climber 402-2	3,386.92	343.25
11 68 13 00-0188	EA	Miracle Parallel Bars 850-285-2	529.54	53.55
11 68 13 00-0189	EA	Miracle 4-way Climber 410	2,643.91	267.73
11 68 13 00-0190	EA	Miracle Spider Climber 409	1,186.91	120.14
11 68 13 00-0191	EA	Miracle Horizontal Ladder 411	1,222.28	123.57
11 68 13 00-0192	EA	Miracle Whirl 302	2,747.63	274.60
11 68 13 00-0193	EA	Miracle Junior Whirl 300	2,112.94	212.81
11 68 13 00-0194	EA	Miracle Pony Express 321	6,038.06	610.99
11 68 13 00-0195	EA	Miracle Mustang Whirl 301	4,110.77	411.90

11 68 23 Exterior Court Athletic Equipment *(11 68)*

11 68 23 13 Exterior Basketball Equipment *(11 68 23)*

11 68 23 13-0001 Basketball Systems *(11 68 23 13)*

See CSI section 32 31 13 00-0001 for auguring holes and concrete.

11 68 23 13-0002	EA	4-1/2" Bent Post Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Steel Net Basketball System Note: Sportsplay 541-616.	1,342.43	173.28
11 68 23 13-0003	EA	5-9/16" Bent Post Galvanized Steel Pole With 6' Extension Style, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System Note: Porter Athletic 176-234.	2,754.53	190.61
		For Fan Shaped Fiberglass Backboard, Deduct	*-133.00*	
		For 42" x 72" Perforated Steel Backboard, Add	*318.00*	
11 68 23 13-0004	EA	4-1/2" Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System Note: Porter Athletic 164-234.	2,117.11	173.28
		For Fan Shaped Fiberglass Backboard, Deduct	*-133.00*	
		For 42" x 72" Perforated Steel Backboard, Add	*318.00*	
11 68 23 13-0005	EA	4-1/2" Galvanized Steel Pole With 6' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System Note: Porter Athletic 166-234.	2,391.91	190.61
		For Fan Shaped Fiberglass Backboard, Deduct	*-133.00*	
		For 42" x 72" Perforated Steel Backboard, Add	*318.00*	
11 68 23 13-0006	EA	Back To Back 4-1/2" Galvanized Steel Pole With 4' Extensions, Aluminum Backboards, Double Rim Goals And Nylon Net Double Basketball System Note: Porter Athletic 184-234.	3,371.18	254.82
		For Fan Shaped Fiberglass Backboard, Deduct	*-266.00*	
		For 42" x 72" Perforated Steel Backboard, Add	*636.00*	
11 68 23 13-0007	EA	Back To Back 5-9/16" Galvanized Steel Pole With 6' Extensions, Aluminum Backboards, Double Rim Goals And Nylon Net Double Basketball System Note: Porter Athletic 186-234.	3,770.80	280.30
		For Fan Shaped Fiberglass Backboard, Deduct	*-266.00*	
		For 42" x 72" Perforated Steel Backboard, Add	*636.00*	

11 68 23 13-0008 Basketball Components *(11 68 23 13)*

See CSI section 32 31 13 00-0001 for auguring holes and concrete.

11 68 23 13-0009	EA	Nylon Cord Basketball Net Note: Porter Athletic 9608-120.	24.95	6.86
11 68 23 13-0010	EA	Chain Basketball Net Note: Porter Athletic 161.	54.37	6.86
11 68 23 13-0011	EA	Heavy Duty Goal Ring Note: Porter Athletic 235.	241.33	34.32
11 68 23 13-0012	EA	Goal Ring For Steel Net Note: Porter Athletic 251.	226.59	15.45
11 68 23 13-0013	EA	42" x 72" Rectangular Fully Tempered Glass Basketball Backboard With Steel Frame Note: Includes perimeter and target markings. Excludes pole and goal. Porter Athletic 00204-000.	974.71	29.18
11 68 23 13-0014	EA	42" x 72" Rectangular 11 Gauge Perforated Steel Basketball Backboard Note: Includes perimeter and target markings. Excludes pole and goal. Porter Athletic 1207-300.	864.19	29.18
11 68 23 13-0015	EA	42" x 72" Rectangular Melamine Surfaced Particle Board Basketball Backboard Note: Includes perimeter and target markings. Excludes pole and goal. Porter Athletic 228-300.	555.73	24.03
11 68 23 13-0016	EA	54" x 39" Fan Shaped Cast Aluminum Basketball Backboard Note: Includes perimeter and target markings. Excludes pole and goal. Porter Athletic 234-300.	491.25	25.75
		For No Perimeter And Target Markings, Deduct	*-43.98*	
11 68 23 13-0017	EA	54" x 39" Fan Shaped Fiberglass Basketball Backboard Note: Includes perimeter and target markings. Excludes pole and goal. Porter Athletic 267-000.	338.14	25.75

11 68 23 33 Tennis Equipment *(11 68 23)*

11 68 23 33-0001 Tennis Court Net Posts *(11 68 23 33)*

11 68 23 33-0002	PR	Round, Powder Coated Steel, Tennis Court Net Posts With External Winder	758.16	116.69
11 68 23 33-0003	PR	Round, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder	912.51	116.69

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 23 33-0004	PR	Square, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder	938.23	116.69
11 68 23 33-0005	PR	Round, Powder Coated Aluminum, Tennis Court Net Posts With External Winder	982.72	116.69
11 68 23 33-0006	PR	Round, Powder Coated Aluminum, Tennis Court Net Posts With Internal Winder	1,141.11	116.69
11 68 23 33-0007	PR	Polyvinyl Chloride (PVC) Ground Sleeves For Tennis Court Net Posts	187.44	
11 68 23 33-0008	PR	Galvanized Steel Ground Sleeves For Tennis Court Net Posts	206.67	

11 68 23 33-0009 Tennis Court Nets *(11 68 23 33)*

11 68 23 33-0010	EA	42' Length, Single Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net	372.56	115.32
11 68 23 33-0011	EA	42' Length, Double Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net	403.25	115.32
11 68 23 33-0012	EA	42' Length, Anti-Vandal, Aluminum Coated Flexible Steel Mesh, Tennis Court Net	834.68	177.44
11 68 23 33-0013	EA	Galvanized Steel Anchor For Tennis Court Net Center Strap	50.12	

11 68 33 Athletic Field Equipment *(11 68)*

11 68 33 13 Football Field Equipment *(11 68 33)*

11 68 33 13-0001 Football Goal Posts *(11 68 33 13)*

Note: Includes augering for post(s), set in concrete and backfill.

11 68 33 13-0002	PR	Double Steel Football Goal Posts, "H Shape"	3,009.98	308.93
11 68 33 13-0003	PR	Vertical Style Goal Post, Single In Ground Mounting, Steel With 20' Uprights	3,946.52	356.57
11 68 33 13-0004	PR	Gooseneck (Offset) Style Goal Post, Single In Ground Mounting, Steel, With 20' Uprights	4,714.15	427.88

11 68 33 23 Soccer And Field Hockey Equipment *(11 68 33)*

11 68 33 23-0001 Soccer Goal Posts *(11 68 33 23)*

Note: Includes augering for post(s), set in concrete and backfill.

11 68 33 23-0002	PR	Regulation Soccer Goal Posts	2,759.51	205.93
11 68 33 23-0003	PR	Combination Football/Soccer Goal Post	3,338.78	308.93

11 68 33 33 Baseball Field Equipment *(11 68 33)*

11 68 33 33-0001 Bases *(11 68 33 33)*

11 68 33 33-0002	SET	Bases For Baseball Or Softball	306.78	

11 70 Healthcare Equipment *(11)*

11 73 Patient Care Equipment *(11 70)*

11 73 23 Patient Lift *(11 73)*

11 73 23 00-0001 Ceiling Patient Lift *(11 73 23)*

11 73 23 00-0002	EA	Maxi Sky 600 Fixed 4 Function Ceiling Patient Lift Note: Maxi Sky 600 cassette with 600 pound weight capacity. Includes 2 point hanger bar, hardware (x-y 3 meter x 4.5 meter 8 anchors xy 4.5), powered raise and lower as well as powered traverse on track. Maxi sky supports clinically activated return to charge, programmable automatic return.	7,010.35	

11 80 Facility Maintenance and Operation Equipment *(11)*

11 81 Maintenance Equipment *(11 80)*

11 81 29 Facility Fall Protection *(11 81)*

11 81 29 00-0001 Safety And Tie-Back Anchors *(11 81 29)*

Note: One cut sheet charge required per manufacturer order. Excludes flashing and testing by engineer after installation. See CSI section 01 22 20 00-0063 for engineering testing and inspection.

11 81 29 00-0002 Roof Mounted, Safety And Tie-Back Anchors *(11 81 29 00-0001)*

Note: Includes up to 10" high, 0.216" thick hollow structural section tube, 1018 steel forged pad eye, 8" x 8" x 1/2" base plate and hot-dipped galvanized finish.

11 81 29 00-0003	EA	Mechanically Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor) Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.	394.68	58.75
		For Stainless Steel Pad Eye, Add	*40.00*	
		For Foam Insulation Filled HSS Tube, Add	*10.00*	
11 81 29 00-0004	EA	Epoxy Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor) Note: Includes drilling in concrete and adhesive anchor systems.	337.70	58.75
		For Stainless Steel Pad Eye, Add	*40.00*	
		For Foam Insulation Filled HSS Tube, Add	*10.00*	
11 81 29 00-0005	EA	Welded In Place, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor)	291.41	63.72
		For Stainless Steel Pad Eye, Add	*40.00*	
		For Foam Insulation Filled HSS Tube, Add	*10.00*	

11 81 29 00-0006 Wall Mounted, Safety And Tie-Back Anchor *(11 81 29 00-0001)*

Note: Includes 1018 steel forged pad eye, 10" x 4" x 1/2" base plate and hot-dipped galvanized finish.

11 81 29 00-0007	EA	Mechanically Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor) Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.	307.71	58.75
		For Stainless Steel Pad Eye, Add	*40.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 81 29 00-0008	EA	Epoxy Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor) Note: Includes drilling in concrete and adhesive anchor systems.	279.89	58.75
		For Stainless Steel Pad Eye, Add	*40.00*	
11 81 29 00-0009	EA	Welded In Place, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor)	261.05	63.72
		For Stainless Steel Pad Eye, Add	*40.00*	

11 81 29 00-0010 Safety And Tie-Back Anchor Accessories *(11 81 29 00-0001)*

11 81 29 00-0011	EA	Mandatory Cut Sheets For Safety And Tie-Back Anchors (Summit Anchor) Note: One cut sheet required per order.	220.84	

11 82 Facility Solid Waste Handling Equipment *(11 80)*

11 82 19 Packaged Incinerators *(11 82)*

11 82 19 00-0001 Electric Incinerator *(11 82 19)*

11 82 19 00-0002	EA	Electric Package Incinerator, 100 LB/Hour	21,263.75	825.45
11 82 19 00-0003	EA	Electric Package Incinerator, 400 LB/Hour	43,484.11	1,650.90
11 82 19 00-0004	EA	Electric Package Incinerator, 1,000 LB/Hour	145,047.57	2,476.35

11 82 26 Facility Waste Compactors *(11 82)*

11 82 26 00-0001 Waste Compactors *(11 82 26)*

11 82 26 00-0002 110 Volt Compactors *(11 82 26 00-0001)*

11 82 26 00-0003	EA	Waste Compactor, 110 Volt At 75 LB/Hour	11,338.94	316.04
11 82 26 00-0004	EA	Waste Compactor, 110 Volt At 250 LB/Hour	14,267.58	758.50

11 82 26 00-0005 230 Volt Compactors *(11 82 26 00-0001)*

11 82 26 00-0006	EA	Waste Compactor, 230 Volt At 600 LB/Hour Hand Fed	14,255.02	1,011.33
11 82 26 00-0007	EA	Waste Compactor, 230 Volt At 600 LB/Hour Chute Fed	16,085.38	1,327.37

11 82 26 00-0008 Trash Compactors *(11 82 26)*

11 82 26 00-0009	EA	Trash Compactor, Small	2,609.15	220.11
11 82 26 00-0010	EA	Trash Compactor, Large	3,212.95	249.08

END OF SECTION 11

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

12 Furnishings

12 01 Operation And Maintenance Of Furnishings *(12)*

12 01 60 Operation And Maintenance Of Multiple Seating *(12 01)*

12 01 60 00-0001 Repair Fixed Auditorium Seating *(12 01 60)*

12 01 60 00-0002	EA	Replace Seat Part	105.83	
12 01 60 00-0003	EA	Replace Center Armrest Part	50.99	
12 01 60 00-0004	EA	Replace End Armrest Part	69.13	
12 01 60 00-0005	EA	Replace Kick Plate Part	75.82	
12 01 60 00-0006	EA	Replace Back Part	126.36	
12 01 60 00-0007	EA	Replace Standard Part	98.82	
12 01 60 00-0008	EA	Replace Back Bracket Part	44.30	
12 01 60 00-0009	EA	Replace Seat Bracket Part	45.74	
12 01 60 00-0010	EA	Secure Seat To Floor	42.37	
12 01 60 00-0011	EA	Remove And Reinstall Existing Seat To Floor Note: Includes drilling and fasteners.	51.07	
		For Epoxy Anchoring, Add	*23.38*	
12 01 60 00-0012	EA	Reupholster Auditorium Seat And Back Note: Includes removal of existing upholstery.	133.31	

12 20 Window Treatments *(12)*

12 21 Window Blinds *(12 20)*

12 21 13 Horizontal Louver Blinds *(12 21)*

Note: Includes headrail, brackets, cords and all hardware.

12 21 13 13 Metal Horizontal Louver Blinds *(12 21 13)*

12 21 13 13-0001 Aluminum Horizontal Louver Blinds *(12 21 13 13)*

12 21 13 13-0002	SF	1/2" x 0.006" Slats, Aluminum Horizontal Louver Blinds	8.55	0.70
12 21 13 13-0003	SF	1" x 0.006" Slats, Aluminum Horizontal Louver Blinds	7.00	0.70
12 21 13 13-0004	SF	1" x 0.008" Slats, Aluminum Horizontal Louver Blinds	7.59	0.70
12 21 13 13-0005	SF	2" x 0.008" Slats, Aluminum Horizontal Louver Blinds	8.78	0.70

12 21 13 33 Plastic Horizontal Louver Blinds *(12 21 13)*

12 21 13 33-0001 Vinyl Horizontal Louver Blinds *(12 21 13 33)*

12 21 13 33-0002	SF	1" Slats, Vinyl Horizontal Louver Blinds	7.24	0.70
12 21 13 33-0003	SF	2" Slats, Vinyl Horizontal Louver Blinds	8.37	0.70

12 21 16 Vertical Louver Blinds *(12 21)*

Note: Includes headrail, brackets, cords and all hardware.

12 21 16 13 Metal Vertical Louver Blinds *(12 21 16)*

12 21 16 13-0001 Aluminum Vertical Louver Blinds *(12 21 16 13)*

12 21 16 13-0002	SF	3-1/2" x 0.008" Slats, Aluminum Vertical Louver Blinds	9.96	1.48

12 21 16 33 Plastic Vertical Louver Blinds *(12 21 16)*

12 21 16 33-0001 Vinyl Vertical Louver Blinds *(12 21 16 33)*

12 21 16 33-0002	SF	2" Slats, Vinyl Vertical Louver Blinds	6.44	1.48
12 21 16 33-0003	SF	3-1/2" Slats, Vinyl Vertical Louver Blinds	9.00	1.48

12 22 Curtains And Drapes *(12 20)*

12 22 13 Draperies *(12 22)*

12 22 13 00-0001 Lined Draperies *(12 22 13)*

Note: Width dimensions are the panel width at top excluding returns and overlaps.

12 22 13 00-0002 Up To 48" Wide Lined Draperies *(12 22 13 00-0001)*

12 22 13 00-0003	EA	Up To 39" Long, Up To 48" Wide Lined Draperies	143.04	9.80
12 22 13 00-0004	EA	>39" To 63" Long, Up To 48" Wide Lined Draperies	148.59	9.80
12 22 13 00-0005	EA	>63" To 72" Long, Up To 48" Wide Lined Draperies	157.61	9.80
12 22 13 00-0006	EA	>72" To 81" Long, Up To 48" Wide Lined Draperies	161.08	9.80
12 22 13 00-0007	EA	>81" To 90" Long, Up To 48" Wide Lined Draperies	169.40	9.80
12 22 13 00-0008	EA	>90" To 99" Long, Up To 48" Wide Lined Draperies	180.50	9.80
12 22 13 00-0009	EA	>99" To 108" Long, Up To 48" Wide Lined Draperies	187.44	9.80
12 22 13 00-0010	EA	>108" To 120" Long, Up To 48" Wide Lined Draperies	197.15	9.80
12 22 13 00-0011	EA	>120" To 130" Long, Up To 48" Wide Lined Draperies	212.41	9.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 22 13 00-0012		**>48" To 72" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0013	EA	Up To 39" Long, >48" To 72" Wide Lined Draperies	206.97	13.32
12 22 13 00-0014	EA	>39" To 63" Long, >48" To 72" Wide Lined Draperies	219.46	13.32
12 22 13 00-0015	EA	>63" To 72" Long, >48" To 72" Wide Lined Draperies	229.17	13.32
12 22 13 00-0016	EA	>72" To 81" Long, >48" To 72" Wide Lined Draperies	237.49	13.32
12 22 13 00-0017	EA	>81" To 90" Long, >48" To 72" Wide Lined Draperies	256.91	13.32
12 22 13 00-0018	EA	>90" To 99" Long, >48" To 72" Wide Lined Draperies	266.62	13.32
12 22 13 00-0019	EA	>99" To 108" Long, >48" To 72" Wide Lined Draperies	274.95	13.32
12 22 13 00-0020	EA	>108" To 120" Long, >48" To 72" Wide Lined Draperies	292.98	13.32
12 22 13 00-0021	EA	>120" To 130" Long, >48" To 72" Wide Lined Draperies	312.40	13.32
12 22 13 00-0022		**>72" To 96" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0023	EA	Up To 39" Long, >72" To 96" Wide Lined Draperies	273.67	16.84
12 22 13 00-0024	EA	>39" To 63" Long, >72" To 96" Wide Lined Draperies	291.71	16.84
12 22 13 00-0025	EA	>63" To 72" Long, >72" To 96" Wide Lined Draperies	300.03	16.84
12 22 13 00-0026	EA	>72" To 81" Long, >72" To 96" Wide Lined Draperies	319.45	16.84
12 22 13 00-0027	EA	>81" To 90" Long, >72" To 96" Wide Lined Draperies	337.49	16.84
12 22 13 00-0028	EA	>90" To 99" Long, >72" To 96" Wide Lined Draperies	355.52	16.84
12 22 13 00-0029	EA	>99" To 108" Long, >72" To 96" Wide Lined Draperies	365.23	16.84
12 22 13 00-0030	EA	>108" To 120" Long, >72" To 96" Wide Lined Draperies	384.65	16.84
12 22 13 00-0031	EA	>120" To 130" Long, >72" To 96" Wide Lined Draperies	411.01	16.84
12 22 13 00-0032		**>96" To 120" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0033	EA	Up To 39" Long, >96" To 120" Wide Lined Draperies	344.55	20.37
12 22 13 00-0034	EA	>39" To 63" Long, >96" To 120" Wide Lined Draperies	362.58	20.37
12 22 13 00-0035	EA	>63" To 72" Long, >96" To 120" Wide Lined Draperies	372.29	20.37
12 22 13 00-0036	EA	>72" To 81" Long, >96" To 120" Wide Lined Draperies	400.04	20.37
12 22 13 00-0037	EA	>81" To 90" Long, >96" To 120" Wide Lined Draperies	418.07	20.37
12 22 13 00-0038	EA	>90" To 99" Long, >96" To 120" Wide Lined Draperies	437.49	20.37
12 22 13 00-0039	EA	>99" To 108" Long, >96" To 120" Wide Lined Draperies	401.08	20.37
12 22 13 00-0040	EA	>108" To 120" Long, >96" To 120" Wide Lined Draperies	484.66	20.37
12 22 13 00-0041	EA	>120" To 130" Long, >96" To 120" Wide Lined Draperies	498.53	20.37
12 22 13 00-0042		**>120" To 144" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0043	EA	Up To 39" Long, >120" To 144" Wide Lined Draperies	407.08	23.89
12 22 13 00-0044	EA	>39" To 63" Long, >120" To 144" Wide Lined Draperies	433.43	23.89
12 22 13 00-0045	EA	>63" To 72" Long, >120" To 144" Wide Lined Draperies	443.14	23.89
12 22 13 00-0046	EA	>72" To 81" Long, >120" To 144" Wide Lined Draperies	470.89	23.89
12 22 13 00-0047	EA	>81" To 90" Long, >120" To 144" Wide Lined Draperies	498.63	23.89
12 22 13 00-0048	EA	>90" To 99" Long, >120" To 144" Wide Lined Draperies	526.38	23.89
12 22 13 00-0049	EA	>99" To 108" Long, >120" To 144" Wide Lined Draperies	554.12	23.89
12 22 13 00-0050	EA	>108" To 120" Long, >120" To 144" Wide Lined Draperies	581.87	23.89
12 22 13 00-0051	EA	>120" To 130" Long, >120" To 144" Wide Lined Draperies	616.55	23.89
12 22 13 00-0052		**>144" To 168" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0053	EA	Up To 39" Long, >144" To 168" Wide Lined Draperies	477.94	27.42
12 22 13 00-0054	EA	>39" To 63" Long, >144" To 168" Wide Lined Draperies	505.68	27.42
12 22 13 00-0055	EA	>63" To 72" Long, >144" To 168" Wide Lined Draperies	526.49	27.42
12 22 13 00-0056	EA	>72" To 81" Long, >144" To 168" Wide Lined Draperies	554.24	27.42
12 22 13 00-0057	EA	>81" To 90" Long, >144" To 168" Wide Lined Draperies	581.98	27.42
12 22 13 00-0058	EA	>90" To 99" Long, >144" To 168" Wide Lined Draperies	616.66	27.42
12 22 13 00-0059	EA	>99" To 108" Long, >144" To 168" Wide Lined Draperies	644.41	27.42
12 22 13 00-0060	EA	>108" To 120" Long, >144" To 168" Wide Lined Draperies	672.15	27.42
12 22 13 00-0061	EA	>120" To 130" Long, >144" To 168" Wide Lined Draperies	720.71	27.42
12 22 13 00-0062		**>168" To 192" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0063	EA	Up To 39" Long, >168" To 192" Wide Lined Draperies	540.48	30.94
12 22 13 00-0064	EA	>39" To 63" Long, >168" To 192" Wide Lined Draperies	575.16	30.94
12 22 13 00-0065	EA	>63" To 72" Long, >168" To 192" Wide Lined Draperies	595.97	30.94
12 22 13 00-0066	EA	>72" To 81" Long, >168" To 192" Wide Lined Draperies	630.65	30.94
12 22 13 00-0067	EA	>81" To 90" Long, >168" To 192" Wide Lined Draperies	658.39	30.94
12 22 13 00-0068	EA	>90" To 99" Long, >168" To 192" Wide Lined Draperies	693.08	30.94
12 22 13 00-0069	EA	>99" To 108" Long, >168" To 192" Wide Lined Draperies	748.57	30.94
12 22 13 00-0070	EA	>108" To 120" Long, >168" To 192" Wide Lined Draperies	769.37	30.94
12 22 13 00-0071	EA	>120" To 130" Long, >168" To 192" Wide Lined Draperies	817.93	30.94
12 22 13 00-0072		**>192" To 216" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0073	EA	Up To 39" Long, >192" To 216" Wide Lined Draperies	609.96	34.46
12 22 13 00-0074	EA	>39" To 63" Long, >192" To 216" Wide Lined Draperies	637.71	34.46
12 22 13 00-0075	EA	>63" To 72" Long, >192" To 216" Wide Lined Draperies	665.45	34.46
12 22 13 00-0076	EA	>72" To 81" Long, >192" To 216" Wide Lined Draperies	707.07	34.46
12 22 13 00-0077	EA	>81" To 90" Long, >192" To 216" Wide Lined Draperies	748.69	34.46
12 22 13 00-0078	EA	>90" To 99" Long, >192" To 216" Wide Lined Draperies	790.31	34.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 22 13 00-0079	EA	>99" To 108" Long, >192" To 216" Wide Lined Draperies	824.99	34.46
12 22 13 00-0080	EA	>108" To 120" Long, >192" To 216" Wide Lined Draperies	859.67	34.46
12 22 13 00-0081	EA	>120" To 130" Long, >192" To 216" Wide Lined Draperies	922.09	34.46
12 22 13 00-0082		>216" To 240" Wide Lined Draperies *(12 22 13 00-0001)*		
12 22 13 00-0083	EA	Up To 39" Long, >216" To 240" Wide Lined Draperies	672.50	37.99
12 22 13 00-0084	EA	>39" To 63" Long, >216" To 240" Wide Lined Draperies	721.06	37.99
12 22 13 00-0085	EA	>63" To 72" Long, >216" To 240" Wide Lined Draperies	741.87	37.99
12 22 13 00-0086	EA	>72" To 81" Long, >216" To 240" Wide Lined Draperies	783.48	37.99
12 22 13 00-0087	EA	>81" To 90" Long, >216" To 240" Wide Lined Draperies	832.04	37.99
12 22 13 00-0088	EA	>90" To 99" Long, >216" To 240" Wide Lined Draperies	873.65	37.99
12 22 13 00-0089	EA	>99" To 108" Long, >216" To 240" Wide Lined Draperies	915.27	37.99
12 22 13 00-0090	EA	>108" To 120" Long, >216" To 240" Wide Lined Draperies	956.89	37.99
12 22 13 00-0091	EA	>120" To 130" Long, >216" To 240" Wide Lined Draperies	1,026.25	37.99
12 22 16		**Drapery Track And Accessories** *(12 22)*		
12 22 16 00-0001		Metal Wall Or Ceiling Mount Drapery Tracks *(12 22 16)*		
12 22 16 00-0002		Basic Traverse Rod *(12 22 16 00-0001)*		
12 22 16 00-0003	EA	Traverse Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track	79.94	33.17
12 22 16 00-0004	EA	Traverse Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track	87.11	33.17
12 22 16 00-0005	EA	Traverse Rod, 84' To 156" Extension Metal Wall Or Ceiling Mounted Track	100.61	36.86
12 22 16 00-0006	EA	Traverse Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track	123.00	36.86
12 22 16 00-0007	EA	Traverse Rod, 165" To 312" Extension Metal Wall Or Ceiling Mounted Track	131.33	40.54
12 22 16 00-0008		Traverse Rod With Stationary Curtain Rod *(12 22 16 00-0001)*		
12 22 16 00-0009	EA	Tray And Curtain Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track	86.81	33.17
12 22 16 00-0010	EA	Tray And Curtain Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track	91.45	33.17
12 22 16 00-0011	EA	Tray And Curtain Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track	111.51	36.86
12 22 16 00-0012	EA	Tray And Curtain Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track	127.00	40.54
12 22 16 00-0013		Double Traverse Rod *(12 22 16 00-0001)*		
12 22 16 00-0014	EA	Double Traverse Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track	98.62	33.17
12 22 16 00-0015	EA	Double Traverse Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track	112.66	33.17
12 22 16 00-0016	EA	Double Traverse Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track	136.08	36.86
12 22 16 00-0017	EA	Double Traverse Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track	148.95	40.54
12 22 16 00-0018		Curtain Rods *(12 22 16 00-0001)*		
12 22 16 00-0019	LF	Standard Metal Curtain Rod, White	4.96	1.41
12 22 16 00-0020		Relocate Drapery And Rod *(12 22 16 00-0001)*		
12 22 16 00-0021	LF	Relocate Any Type Of Drapery And Any Type Rod Note: Includes storage and cleaning.	22.11	
12 23		Interior Shutters *(12 20)*		
12 23 00 00-0001		Interior Plantation Shutters *(12 23)* Note: Mixture of white pine and poplar wood, stile: 1-3/4" x 1-1/8" thick, blade: 3/8" x 2-3/8", top and bottom rail: 4" x 1-5/16" thick. 36" To 48" heights do not have center rail, 52" to 80" with center rail. Center rail: 2" x 15/16"		
12 23 00 00-0002		12" Wide *(12 23 00 00-0001)*		
12 23 00 00-0003	PR	12" x 36" Plantation Shutter	201.70	23.70
12 23 00 00-0004	PR	12" x 40" Plantation Shutter	224.56	24.88
12 23 00 00-0005	PR	12" x 44" Plantation Shutter	245.27	26.07
12 23 00 00-0006	PR	12" x 48" Plantation Shutter	265.99	27.25
12 23 00 00-0007	PR	12" x 52" Plantation Shutter	286.70	28.43
12 23 00 00-0008	PR	12" x 56" Plantation Shutter	307.42	29.62
12 23 00 00-0009	PR	12" x 60" Plantation Shutter	309.00	30.81
12 23 00 00-0010	PR	12" x 64" Plantation Shutter	348.86	31.99
12 23 00 00-0011	PR	12" x 68" Plantation Shutter	369.57	33.18
12 23 00 00-0012	PR	12" x 72" Plantation Shutter	390.29	34.35
12 23 00 00-0013	PR	12" x 76" Plantation Shutter	411.01	35.54
12 23 00 00-0014	PR	12" x 80" Plantation Shutter	431.73	36.73
12 23 00 00-0015		14" Wide *(12 23 00 00-0001)*		
12 23 00 00-0016	PR	14" x 36" Plantation Shutter	210.21	23.70
12 23 00 00-0017	PR	14" x 40" Plantation Shutter	233.06	24.88
12 23 00 00-0018	PR	14" x 44" Plantation Shutter	253.77	26.07
12 23 00 00-0019	PR	14" x 48" Plantation Shutter	274.50	27.25
12 23 00 00-0020	PR	14" x 52" Plantation Shutter	297.33	28.43
12 23 00 00-0021	PR	14" x 56" Plantation Shutter	318.05	29.62
12 23 00 00-0022	PR	14" x 60" Plantation Shutter	338.77	30.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 23 00 00-0023	PR	14" x 64" Plantation Shutter	361.61	31.99
12 23 00 00-0024	PR	14" x 68" Plantation Shutter	382.33	33.18
12 23 00 00-0025	PR	14" x 72" Plantation Shutter	403.05	34.35
12 23 00 00-0026	PR	14" x 76" Plantation Shutter	425.89	35.54
12 23 00 00-0027	PR	14" x 80" Plantation Shutter	446.61	36.73
12 23 00 00-0028		**15" Wide** *(12 23 00 00-0001)*		
12 23 00 00-0029	PR	15" x 36" Plantation Shutter	218.72	23.70
12 23 00 00-0030	PR	15" x 40" Plantation Shutter	241.57	24.88
12 23 00 00-0031	PR	15" x 44" Plantation Shutter	262.28	26.07
12 23 00 00-0032	PR	15" x 48" Plantation Shutter	283.01	27.25
12 23 00 00-0033	PR	15" x 52" Plantation Shutter	305.84	28.43
12 23 00 00-0034	PR	15" x 56" Plantation Shutter	328.68	29.62
12 23 00 00-0035	PR	15" x 60" Plantation Shutter	351.53	30.81
12 23 00 00-0036	PR	15" x 64" Plantation Shutter	374.37	31.99
12 23 00 00-0037	PR	15" x 68" Plantation Shutter	397.22	33.18
12 23 00 00-0038	PR	15" x 72" Plantation Shutter	417.93	34.35
12 23 00 00-0039	PR	15" x 76" Plantation Shutter	440.78	35.54
12 23 00 00-0040	PR	15" x 80" Plantation Shutter	463.62	36.73
12 23 00 00-0041		**16" Wide** *(12 23 00 00-0001)*		
12 23 00 00-0042	PR	16" x 36" Plantation Shutter	231.47	23.70
12 23 00 00-0043	PR	16" x 40" Plantation Shutter	256.45	24.88
12 23 00 00-0044	PR	16" x 44" Plantation Shutter	279.29	26.07
12 23 00 00-0045	PR	16" x 48" Plantation Shutter	304.27	27.25
12 23 00 00-0046	PR	16" x 52" Plantation Shutter	327.10	28.43
12 23 00 00-0047	PR	16" x 56" Plantation Shutter	349.95	29.62
12 23 00 00-0048	PR	16" x 60" Plantation Shutter	372.79	30.81
12 23 00 00-0049	PR	16" x 64" Plantation Shutter	399.89	31.99
12 23 00 00-0050	PR	16" x 68" Plantation Shutter	422.73	33.18
12 23 00 00-0051	PR	16" x 72" Plantation Shutter	445.58	34.35
12 23 00 00-0052	PR	16" x 76" Plantation Shutter	470.55	35.54
12 23 00 00-0053	PR	16" x 80" Plantation Shutter	493.39	36.73
12 23 00 00-0054		**18" Wide** *(12 23 00 00-0001)*		
12 23 00 00-0055	PR	18" x 36" Plantation Shutter	250.61	23.70
12 23 00 00-0056	PR	18" x 40" Plantation Shutter	275.59	24.88
12 23 00 00-0057	PR	18" x 44" Plantation Shutter	300.55	26.07
12 23 00 00-0058	PR	18" x 48" Plantation Shutter	327.66	27.25
12 23 00 00-0059	PR	18" x 52" Plantation Shutter	352.62	28.43
12 23 00 00-0060	PR	18" x 56" Plantation Shutter	379.72	29.62
12 23 00 00-0061	PR	18" x 60" Plantation Shutter	404.69	30.81
12 23 00 00-0062	PR	18" x 64" Plantation Shutter	429.66	31.99
12 23 00 00-0063	PR	18" x 68" Plantation Shutter	454.63	33.18
12 23 00 00-0064	PR	18" x 72" Plantation Shutter	481.73	34.35
12 23 00 00-0065	PR	18" x 76" Plantation Shutter	506.70	35.54
12 23 00 00-0066	PR	18" x 80" Plantation Shutter	533.80	36.73
12 23 00 00-0067		**20" Wide** *(12 23 00 00-0001)*		
12 23 00 00-0068	PR	20" x 36" Plantation Shutter	271.88	23.70
12 23 00 00-0069	PR	20" x 40" Plantation Shutter	301.11	24.88
12 23 00 00-0070	PR	20" x 44" Plantation Shutter	328.20	26.07
12 23 00 00-0071	PR	20" x 48" Plantation Shutter	355.30	27.25
12 23 00 00-0072	PR	20" x 52" Plantation Shutter	384.52	28.43
12 23 00 00-0073	PR	20" x 56" Plantation Shutter	411.61	29.62
12 23 00 00-0074	PR	20" x 60" Plantation Shutter	440.84	30.81
12 23 00 00-0075	PR	20" x 64" Plantation Shutter	467.94	31.99
12 23 00 00-0076	PR	20" x 68" Plantation Shutter	497.16	33.18
12 23 00 00-0077	PR	20" x 72" Plantation Shutter	524.26	34.35
12 23 00 00-0078	PR	20" x 76" Plantation Shutter	553.48	35.54
12 23 00 00-0079	PR	20" x 80" Plantation Shutter	580.58	36.73
12 23 00 00-0080		**22" Wide** *(12 23 00 00-0001)*		
12 23 00 00-0081	PR	22" x 36" Plantation Shutter	288.89	23.70
12 23 00 00-0082	PR	22" x 40" Plantation Shutter	320.25	24.88
12 23 00 00-0083	PR	22" x 44" Plantation Shutter	349.46	26.07
12 23 00 00-0084	PR	22" x 48" Plantation Shutter	3,568.33	27.25
12 23 00 00-0085	PR	22" x 52" Plantation Shutter	410.03	28.43
12 23 00 00-0086	PR	22" x 56" Plantation Shutter	439.26	29.62
12 23 00 00-0087	PR	22" x 60" Plantation Shutter	468.48	30.81
12 23 00 00-0088	PR	22" x 64" Plantation Shutter	499.83	31.99
12 23 00 00-0089	PR	22" x 68" Plantation Shutter	529.06	33.18
12 23 00 00-0090	PR	22" x 72" Plantation Shutter	560.41	34.35
12 23 00 00-0091	PR	22" x 76" Plantation Shutter	589.63	35.54
12 23 00 00-0092	PR	22" x 80" Plantation Shutter	620.98	36.73

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 23 00 00-0093		24" Wide *(12 23 00 00-0001)*		
12 23 00 00-0094	PR	24" x 36" Plantation Shutter	305.90	23.70
12 23 00 00-0095	PR	24" x 40" Plantation Shutter	339.39	24.88
12 23 00 00-0096	PR	24" x 44" Plantation Shutter	370.73	26.07
12 23 00 00-0097	PR	24" x 48" Plantation Shutter	404.21	27.25
12 23 00 00-0098	PR	24" x 52" Plantation Shutter	435.55	28.43
12 23 00 00-0099	PR	24" x 56" Plantation Shutter	466.90	29.62
12 23 00 00-0100	PR	24" x 60" Plantation Shutter	498.25	30.81
12 23 00 00-0101	PR	24" x 64" Plantation Shutter	531.73	31.99
12 23 00 00-0102	PR	24" x 68" Plantation Shutter	563.08	33.18
12 23 00 00-0103	PR	24" x 72" Plantation Shutter	596.55	34.35
12 23 00 00-0104	PR	24" x 76" Plantation Shutter	627.90	35.54
12 23 00 00-0105	PR	24" x 80" Plantation Shutter	661.38	36.73

12 24 Window Shades *(12 20)*

12 24 13 Roller Window Shades *(12 24)*

12 24 13 00-0001 Roller Window Shades *(12 24 13)*

12 24 13 00-0002 Vinyl Coated Fiberglass, Roller Window Shades *(12 24 13 00-0001)*
Note: Includes roller, brackets, and stainless steel chain operator.

12 24 13 00-0003	SF	0% Openness, Blackout, Vinyl Coated Fiberglass, Roller Window Shades	10.81	0.47
12 24 13 00-0004	SF	1% To 10% Openness, Vinyl Coated Fiberglass, Roller Window Shades	10.81	0.47

12 24 13 00-0005 Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades *(12 24 13 00-0001)*
Note: Includes roller, brackets, and stainless steel chain operator.

12 24 13 00-0006	SF	0% Openness, Blackout, Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades	13.84	0.47

12 24 13 00-0007 Vinyl Coated Polyester, Roller Window Shades *(12 24 13 00-0001)*
Note: Includes roller, brackets, and stainless steel chain operator.

12 24 13 00-0008	SF	1% To 10% Openness, Vinyl Coated Polyester, Roller Window Shades	10.81	0.47

12 24 13 00-0009 Motorized Lightproof Shades *(12 24 13)*

12 24 13 00-0010	SF	Motorized Lightproof Shades, Up To 144" Width	19.11	1.85

12 30 Casework *(12)*

12 31 Manufactured Metal Casework *(12 30)*

12 31 13 Manufactured Metal Panel Casework *(12 31)*

12 31 13 00-0001 Stainless Steel Cabinets *(12 31 13)*

12 31 13 00-0002 Stainless Steel Base Cabinets *(12 31 13 00-0001)*

12 31 13 00-0003 18" Stainless Steel Base Cabinet *(12 31 13 00-0002)*

12 31 13 00-0004	EA	18" Stainless Steel Base Cabinet, No Doors Or Drawers	1,475.72	176.10
		For >5 To 9, Deduct	*-58.98*	
		For >9, Deduct	*-117.96*	
12 31 13 00-0005	EA	18" Stainless Steel Base Cabinet, With 4 Drawers	2,429.92	176.10
		For >5 To 9, Deduct	*-109.08*	
		For >9, Deduct	*-218.15*	
12 31 13 00-0006	EA	18" Stainless Steel Base Cabinet, With 3 Drawers	2,249.87	176.10
		For >5 To 9, Deduct	*-99.62*	
		For >9, Deduct	*-199.24*	
12 31 13 00-0007	EA	18" Stainless Steel Base Cabinet, With 2 Drawers	2,069.82	176.10
		For >5 To 9, Deduct	*-90.17*	
		For >9, Deduct	*-180.34*	
12 31 13 00-0008	EA	18" Stainless Steel Base Cabinet, With Doors And Drawers	2,008.72	176.10
		For >5 To 9, Deduct	*-86.96*	
		For >9, Deduct	*-173.92*	

12 31 13 00-0009 24" Stainless Steel Base Cabinet *(12 31 13 00-0002)*

12 31 13 00-0010	EA	24" Stainless Steel Base Cabinet, With Doors And Locks	2,152.14	190.32
		For >5 To 9, Deduct	*-92.99*	
		For >9, Deduct	*-185.98*	
12 31 13 00-0011	EA	24" Stainless Steel Base Cabinet, With Door, No Locks	1,932.44	190.32
		For >5 To 9, Deduct	*-81.45*	
		For >9, Deduct	*-162.91*	
12 31 13 00-0012	EA	24" Stainless Steel Base Cabinet, With Two Doors, No Locks	1,980.54	190.32
		For >5 To 9, Deduct	*-83.98*	
		For >9, Deduct	*-167.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 13 00-0013	EA	24" Stainless Steel Base Cabinet, No Doors, 2 Drawers	2,204.14	190.32
		For >5 To 9, Deduct	*-95.72*	
		For >9, Deduct	*-191.44*	
12 31 13 00-0014	EA	24" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks	2,882.09	190.32
		For >5 To 9, Deduct	*-131.31*	
		For >9, Deduct	*-262.62*	
12 31 13 00-0015	EA	24" Stainless Steel Base Cabinet, With Doors And Drawers, With Locks	3,172.64	190.32
		For >5 To 9, Deduct	*-146.56*	
		For >9, Deduct	*-293.13*	
12 31 13 00-0016		**30" Stainless Steel Base Cabinet** *(12 31 13 00-0002)*		
12 31 13 00-0017	EA	30" Stainless Steel Base Cabinet, No Doors, No Drawers	1,884.43	200.55
		For >5 To 9, Deduct	*-77.88*	
		For >9, Deduct	*-155.76*	
12 31 13 00-0018	EA	30" Stainless Steel Base Cabinet, With 4 Full Size Drawers	2,765.83	200.55
		For >5 To 9, Deduct	*-124.16*	
		For >9, Deduct	*-248.31*	
12 31 13 00-0019	EA	30" Stainless Steel Base Cabinet, With Doors, Drawers And Locks	3,576.38	200.55
		For >5 To 9, Deduct	*-166.71*	
		For >9, Deduct	*-333.42*	
12 31 13 00-0020	EA	30" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks	3,285.83	200.55
		For >5 To 9, Deduct	*-151.46*	
		For >9, Deduct	*-302.91*	
12 31 13 00-0021	EA	30" Stainless Steel Base Cabinet, With Doors And One Full Size Drawer	3,105.78	200.55
		For >5 To 9, Deduct	*-142.00*	
		For >9, Deduct	*-284.01*	
12 31 13 00-0022	EA	30" Stainless Steel Base Cabinet, With Doors, No Locks	2,375.18	200.55
		For >5 To 9, Deduct	*-103.65*	
		For >9, Deduct	*-207.29*	
12 31 13 00-0023	EA	30" Stainless Steel Base Cabinet, With Doors And Locks	2,353.08	200.55
		For >5 To 9, Deduct	*-102.49*	
		For >9, Deduct	*-204.97*	
12 31 13 00-0024		**36" Stainless Steel Base Cabinet** *(12 31 13 00-0002)*		
12 31 13 00-0025	EA	36" Stainless Steel Base Cabinet, No Doors, No Drawers	2,085.58	208.52
		For >5 To 9, Deduct	*-87.58*	
		For >9, Deduct	*-175.15*	
12 31 13 00-0026	EA	36" Stainless Steel Base Cabinet, With Doors And Locks	2,554.88	208.52
		For >5 To 9, Deduct	*-112.22*	
		For >9, Deduct	*-224.43*	
12 31 13 00-0027	EA	36" Stainless Steel Base Cabinet, With Door, No Lock	2,381.98	208.52
		For >5 To 9, Deduct	*-103.14*	
		For >9, Deduct	*-206.28*	
12 31 13 00-0028	EA	36" Stainless Steel Base Cabinet, With Doors, Drawers And Lock	3,775.58	208.52
		For >5 To 9, Deduct	*-176.30*	
		For >9, Deduct	*-352.60*	
12 31 13 00-0029	EA	36" Stainless Steel Base Cabinet, With Doors, Drawers, No Locks	3,485.68	208.52
		For >5 To 9, Deduct	*-161.08*	
		For >9, Deduct	*-322.16*	
12 31 13 00-0030		**42" Stainless Steel Base Cabinet** *(12 31 13 00-0002)*		
12 31 13 00-0031	EA	42" Stainless Steel Base Cabinet, No Doors, No Drawers	2,188.61	221.61
		For >5 To 9, Deduct	*-91.63*	
		For >9, Deduct	*-183.26*	
12 31 13 00-0032	EA	42" Stainless Steel Base Cabinet, With Doors, Drawers And Lock	3,981.96	221.61
		For >5 To 9, Deduct	*-185.78*	
		For >9, Deduct	*-371.56*	
12 31 13 00-0033	EA	42" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock	3,691.41	221.61
		For >5 To 9, Deduct	*-170.53*	
		For >9, Deduct	*-341.06*	
12 31 13 00-0034	EA	42" Stainless Steel Base Cabinet, No Doors, 2 Drawers	3,390.46	221.61
		For >5 To 9, Deduct	*-154.73*	
		For >9, Deduct	*-309.46*	
12 31 13 00-0035	EA	42" Stainless Steel Base Cabinet, With Doors, No Lock	2,589.01	221.61
		For >5 To 9, Deduct	*-112.65*	
		For >9, Deduct	*-225.30*	
12 31 13 00-0036	EA	42" Stainless Steel Base Cabinet, With Doors And Lock	2,759.31	221.61
		For >5 To 9, Deduct	*-121.59*	
		For >9, Deduct	*-243.19*	
12 31 13 00-0037		**48" Stainless Steel Base Cabinet** *(12 31 13 00-0002)*		
12 31 13 00-0038	EA	48" Stainless Steel Base Cabinet, With Doors, Drawers And Lock	4,177.92	226.73
		For >5 To 9, Deduct	*-195.55*	
		For >9, Deduct	*-391.10*	
12 31 13 00-0039	EA	48" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock	3,888.02	226.73
		For >5 To 9, Deduct	*-180.33*	
		For >9, Deduct	*-360.66*	
12 31 13 00-0040	EA	48" Stainless Steel Base Cabinet, No Doors, No Drawers	2,384.57	226.73
		For >5 To 9, Deduct	*-101.40*	
		For >9, Deduct	*-202.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 13 00-0041	EA	48" Stainless Steel Base Cabinet, No Doors, 2 Drawers	3,587.07	226.73
		For >5 To 9, Deduct	*-164.53*	
		For >9, Deduct	*-329.06*	
12 31 13 00-0042	EA	48" Stainless Steel Base Cabinet, With Doors, And Lock	2,957.22	226.73
		For >5 To 9, Deduct	*-131.46*	
		For >9, Deduct	*-262.93*	
12 31 13 00-0043	EA	48" Stainless Steel Base Cabinet, With Doors, No Locks	2,910.42	226.73
		For >5 To 9, Deduct	*-129.01*	
		For >9, Deduct	*-258.01*	
12 31 13 00-0044		60" Stainless Steel Base Cabinet *(12 31 13 00-0002)*		
12 31 13 00-0045	EA	24" Deep x 60" Wide Stainless Steel Sink Base Cabinet	2,876.94	233.63
		For >5 To 9, Deduct	*-126.52*	
		For >9, Deduct	*-253.04*	
12 31 13 00-0046		Stainless Steel Wall Cabinets *(12 31 13 00-0001)*		
12 31 13 00-0047		12" Wide Stainless Steel Wall Cabinets *(12 31 13 00-0046)*		
12 31 13 00-0048	EA	12"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	1,163.75	67.04
		For >5 To 9, Deduct	*-54.06*	
		For >9, Deduct	*-108.11*	
12 31 13 00-0049	EA	12"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,158.00	71.11
		For >5 To 9, Deduct	*-53.33*	
		For >9, Deduct	*-106.65*	
12 31 13 00-0050		18" Wide Stainless Steel Wall Cabinets *(12 31 13 00-0046)*		
12 31 13 00-0051	EA	18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	1,219.43	72.08
		For >5 To 9, Deduct	*-56.45*	
		For >9, Deduct	*-112.89*	
12 31 13 00-0052	EA	18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,148.58	72.08
		For >5 To 9, Deduct	*-52.73*	
		For >9, Deduct	*-105.45*	
12 31 13 00-0053	EA	18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	1,349.14	78.42
		For >5 To 9, Deduct	*-62.59*	
		For >9, Deduct	*-125.19*	
12 31 13 00-0054	EA	18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,305.59	78.42
		For >5 To 9, Deduct	*-60.31*	
		For >9, Deduct	*-120.61*	
12 31 13 00-0055		24" Wide Stainless Steel Wall Cabinets *(12 31 13 00-0046)*		
12 31 13 00-0056	EA	24"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Door	1,006.60	79.80
		For >5 To 9, Deduct	*-44.47*	
		For >9, Deduct	*-88.94*	
12 31 13 00-0057	EA	24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	1,377.10	79.80
		For >5 To 9, Deduct	*-63.92*	
		For >9, Deduct	*-127.84*	
12 31 13 00-0058	EA	24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,306.90	79.80
		For >5 To 9, Deduct	*-60.24*	
		For >9, Deduct	*-120.47*	
12 31 13 00-0059	EA	24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	1,296.62	74.51
		For >5 To 9, Deduct	*-60.24*	
		For >9, Deduct	*-120.48*	
12 31 13 00-0060	EA	24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,221.87	74.51
		For >5 To 9, Deduct	*-56.32*	
		For >9, Deduct	*-112.63*	
12 31 13 00-0061	EA	24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Glass Door, No Lock	1,572.22	74.51
		For >5 To 9, Deduct	*-74.71*	
		For >9, Deduct	*-149.42*	
12 31 13 00-0062	EA	24"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	921.57	74.51
		For >5 To 9, Deduct	*-40.55*	
		For >9, Deduct	*-81.10*	
12 31 13 00-0063	EA	24"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors	867.45	71.11
		For >5 To 9, Deduct	*-38.07*	
		For >9, Deduct	*-76.15*	
12 31 13 00-0064		30" Wide Stainless Steel Wall Cabinets *(12 31 13 00-0046)*		
12 31 13 00-0065	EA	30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	1,792.80	84.76
		For >5 To 9, Deduct	*-85.22*	
		For >9, Deduct	*-170.44*	
12 31 13 00-0066	EA	30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,622.50	84.76
		For >5 To 9, Deduct	*-76.28*	
		For >9, Deduct	*-152.56*	
12 31 13 00-0067	EA	30"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors	1,081.05	84.76
		For >5 To 9, Deduct	*-47.85*	
		For >9, Deduct	*-95.71*	
12 31 13 00-0068	EA	30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	1,706.24	78.01
		For >5 To 9, Deduct	*-81.38*	
		For >9, Deduct	*-162.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 13 00-0069	EA	30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Lock	1,535.94	78.01
		For >5 To 9, Deduct	*-72.44*	
		For >9, Deduct	*-144.89*	
12 31 13 00-0070	EA	30"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	994.49	78.01
		For >5 To 9, Deduct	*-44.02*	
		For >9, Deduct	*-88.03*	
12 31 13 00-0071	EA	30"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors	940.16	74.35
		For >5 To 9, Deduct	*-41.55*	
		For >9, Deduct	*-83.11*	

12 31 13 00-0072 36" Wide Stainless Steel Wall Cabinets *(12 31 13 00-0046)*

12 31 13 00-0073	EA	36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	1,864.75	87.20
		For >5 To 9, Deduct	*-88.74*	
		For >9, Deduct	*-177.49*	
12 31 13 00-0074	EA	36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,690.55	87.20
		For >5 To 9, Deduct	*-79.60*	
		For >9, Deduct	*-159.20*	
12 31 13 00-0075	EA	36"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors	1,153.00	87.20
		For >5 To 9, Deduct	*-51.38*	
		For >9, Deduct	*-102.75*	
12 31 13 00-0076	EA	36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	1,777.50	79.80
		For >5 To 9, Deduct	*-84.94*	
		For >9, Deduct	*-169.88*	
12 31 13 00-0077	EA	36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,607.85	79.80
		For >5 To 9, Deduct	*-76.04*	
		For >9, Deduct	*-152.07*	
12 31 13 00-0078	EA	36"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	1,065.75	79.80
		For >5 To 9, Deduct	*-47.58*	
		For >9, Deduct	*-95.15*	
12 31 13 00-0079	EA	36"W x 12"D x 18"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,012.64	75.99
		For >5 To 9, Deduct	*-45.18*	
		For >9, Deduct	*-90.37*	

12 31 13 00-0080 42" Wide Stainless Steel Wall Cabinets *(12 31 13 00-0046)*

12 31 13 00-0081	EA	42"W x 12"D x 42"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,947.87	109.71
		For >5 To 9, Deduct	*-90.75*	
		For >9, Deduct	*-181.51*	
12 31 13 00-0082	EA	42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	1,953.55	103.53
		For >5 To 9, Deduct	*-91.70*	
		For >9, Deduct	*-183.39*	
12 31 13 00-0083	EA	42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,780.65	103.53
		For >5 To 9, Deduct	*-82.62*	
		For >9, Deduct	*-165.24*	
12 31 13 00-0084	EA	42"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors	1,240.50	103.53
		For >5 To 9, Deduct	*-54.26*	
		For >9, Deduct	*-108.52*	
12 31 13 00-0085	EA	42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	1,845.64	86.95
		For >5 To 9, Deduct	*-87.77*	
		For >9, Deduct	*-175.53*	
12 31 13 00-0086	EA	42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,674.04	86.95
		For >5 To 9, Deduct	*-78.76*	
		For >9, Deduct	*-157.52*	
12 31 13 00-0087	EA	42"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	1,133.89	86.95
		For >5 To 9, Deduct	*-50.40*	
		For >9, Deduct	*-100.80*	

12 31 13 00-0088 48" Wide Stainless Steel Wall Cabinets *(12 31 13 00-0046)*

12 31 13 00-0089	EA	48"W x 12"D x 42"H Stainless Steel Wall Cabinet, No Doors, No Locks	1,708.90	109.71
		For >5 To 9, Deduct	*-77.98*	
		For >9, Deduct	*-155.95*	
12 31 13 00-0090	EA	48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	2,024.10	105.81
		For >5 To 9, Deduct	*-95.15*	
		For >9, Deduct	*-190.31*	
12 31 13 00-0091	EA	48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,853.80	105.81
		For >5 To 9, Deduct	*-86.21*	
		For >9, Deduct	*-172.43*	
12 31 13 00-0092	EA	48"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors	1,312.35	105.81
		For >5 To 9, Deduct	*-57.79*	
		For >9, Deduct	*-115.58*	
12 31 13 00-0093	EA	48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	1,916.06	87.76
		For >5 To 9, Deduct	*-91.37*	
		For >9, Deduct	*-182.74*	
12 31 13 00-0094	EA	48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,746.41	87.76
		For >5 To 9, Deduct	*-82.47*	
		For >9, Deduct	*-164.93*	
12 31 13 00-0095	EA	48"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	1,204.31	87.76
		For >5 To 9, Deduct	*-54.01*	
		For >9, Deduct	*-108.01*	

12 31 13 00-0096 Accessories *(12 31 13 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 13 00-0097		Stainless Steel Countertops *(12 31 13 00-0096)* Note: 16 gauge countertops without sinks.		
12 31 13 00-0098	SF	Stainless Steel Countertop With Marine Edge and Splash Note: 16 gauge.	102.55	4.47
12 31 13 00-0099	SF	Stainless Steel Countertop Without Marine Edge and With Splash Note: 16 gauge.	95.40	4.47
12 31 13 00-0100	SF	Stainless Steel Countertop Without Marine Edge or Splash Note: 16 gauge.	88.90	4.47
12 31 13 00-0101		Stainless Steel Wall Panels *(12 31 13 00-0096)*		
12 31 13 00-0102	SF	Stainless Steel Wall Panel, 20 Gauge	27.97	6.66
12 31 13 00-0103		Pedestal Legs *(12 31 13 00-0096)*		
12 31 13 00-0104	EA	Type #304 Stainless Steel Pedestal Leg	255.19	10.16
12 31 13 00-0105		Stainless Steel Slanted Cabinet Top Enclosure *(12 31 13 00-0096)*		
12 31 13 00-0106	EA	Stainless Steel Slanted Cabinet Top Enclosure, 5' Sections	277.25	19.58

12 35 Specialty Casework *(12 30)*

12 35 70 Healthcare Casework *(12 35)*

12 35 70 13 Hospital Casework *(12 35 70)*

12 35 70 13-0001		Modular Casework *(12 35 70 13)* Note: Midmark.		
12 35 70 13-0002	EA	36" High Base Sink Unit, 2 Doors; Midmark MC-SBS005-243624	485.35	69.76
12 35 70 13-0003	EA	36" High Base Sink Unit, 2 Doors; Midmark MC-SBS005-363624	602.26	87.20
12 35 70 13-0004	EA	36" High Base Sink Unit, 2 Doors With Tap Master Valve; Midmark MC-SBS009-243624	826.00	69.76
12 35 70 13-0005	EA	36" High Base Sink Unit, 2 Doors With Tap Master Valve; Midmark MC-SBS009-363624	951.09	87.20
12 35 70 13-0006	EA	36" High Base Storage Unit, 1 Door; Midmark MC-SBP006-243624	545.99	69.76
12 35 70 13-0007	EA	36" High Base Storage Unit, 2 Doors; Midmark MC-SBP007-363624	731.71	87.20
12 35 70 13-0008	EA	36" High Base Storage Unit, 1 4" Drawer, 1 Door; Midmark MC-SBP012-153624	548.03	69.76
12 35 70 13-0009	EA	36" High Base Storage Unit, 1 4" Drawer, 1 Door; Midmark MC-SBP012-183624	588.23	69.76
12 35 70 13-0010	EA	36" High Base Storage Unit, 1 4" Drawer, 1 Door; Midmark MC-SBP012-213624	622.98	69.76
12 35 70 13-0011	EA	36" High Base Storage Unit, 1 4" Drawer, 2 Doors; Midmark MC-SBP013-303624	778.72	87.20
12 35 70 13-0012	EA	36" High Base Storage Unit, 1 4" Drawer, 2 Doors; Midmark MC-SBP013-363624	790.30	87.20
12 35 70 13-0013	EA	36" High Base Storage Unit, 2 4" Drawer, 2 Doors; Midmark MC-SBP020-243624	727.21	69.76
12 35 70 13-0014	EA	36" High Base Storage Unit, 2 4" Drawer, 2 Doors; Midmark MC-SBP020-303624	846.85	87.20
12 35 70 13-0015	EA	36" High Base Storage Unit, 2 4" Drawer, 2 Doors; Midmark MC-SBP020-363624	872.06	87.20
12 35 70 13-0016	EA	36" High Base Storage Unit, 1 4" Drawer, 2 8" Drawers; Midmark MC-SBP024-123624	639.33	69.76
12 35 70 13-0017	EA	36" High Base Storage Unit, 1 4" Drawer, 2 8" Drawers; Midmark MC-SBP024-153624	657.04	69.76
12 35 70 13-0018	EA	36" High Base Storage Unit, 1 4" Drawer, 2 8" Drawers; Midmark MC-SBP024-183624	702.69	69.76
12 35 70 13-0019	EA	36" High Base Storage Unit, 2 4" Drawer, 2 8" Drawers; Midmark MC-SBP025-303624	1,160.93	87.20
12 35 70 13-0020	EA	36" High Base Storage Unit, 2 4" Drawer, 2 8" Drawers; Midmark MC-SBP025-363624	1,224.97	87.20
12 35 70 13-0021	EA	36" High Base Storage Unit, 5 4" Drawer; Midmark MC-SBP032-153624	817.83	69.76
12 35 70 13-0022	EA	36" High Base Storage Unit, 5 4" Drawer; Midmark MC-SBP032-183624	864.84	69.76
12 35 70 13-0023	EA	36" High Base Storage Unit, 5 4" Drawer; Midmark MC-SBP032-213624	945.91	69.76
12 35 70 13-0024	EA	84" High Tall Storage Unit, 2 Doors; Midmark MC-STP032-368424	1,686.35	209.29
12 35 70 13-0025	EA	84" High Tall Storage Unit, Open Upper With Pull Out Shelf, 1 4" Drawer, 2 Doors; Midmark MC-STP081-248424	1,554.86	209.29
12 35 70 13-0026	EA	Desk Filler Panel; Midmark MC-SDA003-060501	66.49	17.44
12 35 70 13-0027	EA	30" High Overhead Unit, 1 Door; Midmark MC-SOHO41-123014	359.99	69.76
12 35 70 13-0028	EA	30" High Overhead Unit, 1 Door; Midmark MC-SOHO41-153014	353.86	69.76
12 35 70 13-0029	EA	30" High Overhead Unit, 1 Door; Midmark MC-SOHO41-183014	375.66	69.76
12 35 70 13-0030	EA	30" High Overhead Unit, 1 Door; Midmark MC-SOHO41-213014	404.96	69.76
12 35 70 13-0031	EA	30" High Overhead Unit, 2 Doors; Midmark MC-SOHO42-243014	438.34	69.76
12 35 70 13-0032	EA	30" High Overhead Unit, 2 Doors; Midmark MC-SOHO42-303014	504.16	87.20
12 35 70 13-0033	EA	30" High Overhead Unit, 2 Doors; Midmark MC-SOHO42-363014	544.35	87.20
12 35 70 13-0034	EA	30" High Overhead Unit, 2 Window Doors; Midmark MC-SOHO44-303014	661.54	87.20
12 35 70 13-0035	EA	30" High Overhead Unit, 2 Window Doors; Midmark MC-SOHO44-363014	732.39	87.20
12 35 70 13-0036	LF	19" Self Edge Laminate Countertop With Backsplash	90.10	11.75
12 35 70 13-0037	LF	25" Self Edge Laminate Countertop With Backsplash	174.63	15.66
12 35 70 13-0038	SF	Melamine Wall Cabinet Inner Soffit Note: Includes blocking	24.90	9.80

12 36 Countertops *(12 30)*

12 36 23 Plastic Countertops *(12 36)*

12 36 23 13 Plastic-Laminate-Clad Countertops *(12 36 23)*

12 36 23 13-0001		Plastic Laminate Countertops *(12 36 23 13)*		
12 36 23 13-0002	EA	Field Cutout For Sinks And Lavatories	65.26	
12 36 23 13-0003	SF	Plastic Laminate Counter Top	14.96	3.91
		For Square Edge Instead Of Rolled Drip Edge, Add	*2.85*	
		For Plywood Base Instead Of Particle Board, Add	*1.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 36 23 13-0004	LF	Plastic Laminate Counter Top With Backsplash, Up To 26" Deep	32.73	7.83
		For Square Edge Instead Of Rolled Drip Edge, Add	*5.89*	
		For Plywood Base Instead Of Particle Board, Add	*2.21*	
12 36 23 13-0005	LF	Plastic Laminated Counter Top Custom Made With Backsplash Note: Up to 26" deep.	40.82	11.75
		For Square Edge Instead Of Rolled Drip Edge, Add	*5.89*	
		For Plywood Base Instead Of Particle Board, Add	*2.21*	
12 36 23 13-0006	LF	Plastic Laminated Backsplash	7.45	4.70
		For Plywood Base Instead Of Particle Board, Add	*0.20*	
12 36 23 13-0007	EA	For End Splash	31.63	4.70
		For Plywood Base Instead Of Particle Board, Add	*3.33*	

12 36 61 Simulated Stone Countertops *(12 36)*

12 36 61 16 Solid Surfacing Countertops *(12 36 61)*

12 36 61 16-0001 Solid Polyester Countertops *(12 36 61 16)*

12 36 61 16-0002 Solid Polyester Countertop And Backsplash, Group B Colors *(12 36 61 16-0001)*
Note: May be used for wall applications.

12 36 61 16-0003	SF	1/4" Solid Polyester (Corian) Backsplash Note: Quantity based on area of backsplash. Excludes backing material such as cement or water resistant gypsum board.	20.68	5.22
		For Group A Color Material, Deduct	*-3.69*	
		For Group C Color Material, Add	*1.47*	
		For Group D Color Material, Add	*4.05*	
12 36 61 16-0004	SF	1/2" Solid Polyester (Corian) Countertop Note: Quantity based on area of counter, backsplash and apron. Includes drilling holes for fixtures and 1-1/2" drop edge with 1/8" radius edges (when apron not used).	41.37	7.83
		For Group A Color Material, Deduct	*-7.38*	
		For Group C Color Material, Add	*2.95*	
		For Group D Color Material, Add	*8.11*	
		For Each LF Of Half Round Edge, Add	*8.00*	
		For Each LF Of Ogee Or Full Round Edge, Add	*12.00*	
		For Each LF Of Machining A Cove At Backsplash, Add	*10.00*	
		For Each Sink, Range Or Vanity Cutout, Add	*15.00*	
		For 16-7/16" x 13" x 5-1/4" Depth Lavatory Sink (Corian 810), Add	*124.80*	
		For 20-7/16" x 14-7/16" x 6-1/8" Depth Lavatory Sink (Corian 815), Add	*157.80*	
		For 17-3/8" x 10-13/16" x 5-1/2" Depth Lavatory Sink (Corian 816), Add	*115.20*	
		For 14-3/4" x 10-1/2" x 5-1/2" Depth Lavatory Sink (Corian 820), Add	*109.80*	
		For 18-7/8" x 13-3/4" x 5-7/8" Depth Lavatory Sink (Corian 830), Add	*157.80*	
		For 20" x 13-3/8" x 6-1/4" Depth Lavatory Sink (Corian 831), Add	*157.80*	
		For 19-3/4" x 14-1/4" x 5-7/8" Depth Lavatory Sink (Corian 835), Add	*157.80*	
		For 17" x 14" x 6" Depth Lavatory Sink (Corian 837), Add	*157.80*	
		For Up To 1.5 SF Integral Single Basin Kitchen Sink, Add *Note: Single or double bowl.*	*142.20*	
		For >1.5 To 2.25 SF Integral Single Basin Kitchen Sink, Add *Note: Single or double bowl.*	*247.20*	
		For >2.25 To 3 SF Integral Single Basin Kitchen Sink, Add *Note: Single or double bowl.*	*331.20*	
		For >3 SF Integral Single Basin Kitchen Sink, Add *Note: Single or double bowl.*	*358.80*	
		For >3 SF Integral Double Basin Kitchen Sink, Add	*358.80*	

12 40 Furnishings And Accessories *(12)*

12 48 Rugs And Mats *(12 40)*

12 48 13 Entrance Floor Mats And Frames *(12 48)*

12 48 13 13 Entrance Floor Mats *(12 48 13)*

12 48 13 13-0001 Floor Mats *(12 48 13 13)*

12 48 13 13-0002	SF	3/8" Thick Solid Recessable Floor Mat	12.13	1.85
		For Colors, Add	*1.69*	
12 48 13 13-0003	SF	1/2" Thick Solid Recessable Floor Mat	14.73	1.85
		For Colors, Add	*2.21*	
12 48 13 13-0004	SF	3/8" Thick Perforated Recessable Floor Mat	12.78	1.85
		For Colors, Add	*1.82*	
12 48 13 13-0005	SF	1/2" Thick Perforated Recessable Floor Mat	15.38	1.85
		For Colors, Add	*2.34*	

12 48 13 13-0006 Link Mats *(12 48 13 13)*
Note: Includes nosing.

12 48 13 13-0007	SF	3/8" Link Mats, Aluminum	14.82	1.85
12 48 13 13-0008	SF	Black Rubber Link Mats With Galvanized Tie Rods	12.62	1.85
12 48 13 13-0009	SF	3/8" Thick, Galvanized Steel Link Mats	11.64	1.85
12 48 13 13-0010	SF	Vinyl Link Mats, Color	13.58	1.85
12 48 13 13-0011	LF	Rubber Nosing	3.92	0.81

12 48 13 13-0012 Duckboard *(12 48 13 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 48 13 13-0013	SF	Aluminum Slats	20.60	2.03
12 48 13 13-0014	SF	Hardwood Strips On Rubber Base	12.69	2.03
12 48 13 13-0015	SF	Assembled With Brass Rods And Vinyl Spacers	13.96	2.03
12 48 13 13-0016	SF	Tire Fabric, 3/4" Thick	12.76	2.03
12 48 13 13-0017	SF	Vinyl, 36" Wide, Hollow Top And Bottom	6.54	2.03
12 48 13 13-0018	SF	Vinyl, 36" Wide, Solid Top And Bottom	8.50	2.03

12 48 13 16 Entrance Floor Mat Frames *(12 48 13)*

12 48 13 16-0001 Recessed Frames *(12 48 13 16)*

12 48 13 16-0002	LF	Aluminum Recessed Embedded Frame	11.51	3.13
12 48 13 16-0003	LF	Bronze Recessed Embedded Frame	16.66	3.13

12 50 Furniture *(12)*

12 55 Detention Furniture *(12 50)*

12 55 13 Detention Bunks *(12 55)*

12 55 13 00-0001 Wall Mounted Single Bunks *(12 55 13)*
Note: 14 Gauge center pan, 7 gauge bracket, painted.

12 55 13 00-0002	EA	27" Wide x 80" Long x 12" High Wall Mounted Bunk	292.94	65.17
12 55 13 00-0003	EA	32" Wide x 80" Long x 12" High Wall Mounted Bunk	327.16	65.17
12 55 13 00-0004	EA	38" Wide x 80" Long x 12" High Wall Mounted Bunk	351.12	65.17

12 55 13 00-0005 Floor Supported Single Bunks *(12 55 13)*
Note: 14 Gauge center pan, 10 gauge steel brackets, 10 gauge formed steel legs, painted.

12 55 13 00-0006	EA	27" Wide x 80" Long x 12" High Floor Mounted Bunk	292.94	65.17
12 55 13 00-0007	EA	32" Wide x 80" Long x 12" High Floor Mounted Bunk	327.16	65.17
12 55 13 00-0008	EA	38" Wide x 80" Long x 12" High Floor Mounted Bunk	351.12	65.17
12 55 13 00-0009	EA	Floor Mounted Single Bunk, 75" x 27" x 16"H, Up To 20	545.39	85.30
12 55 13 00-0010	EA	Floor Mounted Single Bunk, 75" x 27" x 16"H, Over 20	470.43	85.30

12 55 13 00-0011 Floor Mounted Single Bunks *(12 55 13)*
Note: 14 Gauge center pan, 10 gauge formed steel legs, painted.

12 55 13 00-0012	EA	27" Wide x 80" Long x 16" High Floor Mounted Bunk	292.94	65.17
12 55 13 00-0013	EA	32" Wide x 80" Long x 16" High Floor Mounted Bunk	327.16	65.17
12 55 13 00-0014	EA	38" Wide x 80" Long x 16" High Floor Mounted Bunk	351.12	65.17

12 55 13 00-0015 Single Stackable Bunks *(12 55 13)*
Note: One piece, 10 gauge formed pan, 10 gauge formed steel legs, painted.

12 55 13 00-0016	EA	26" Wide x 76" Long x 32" High Stackable Bunk	299.79	65.17
12 55 13 00-0017	EA	31" Wide x 76" Long x 32" High Stackable Bunk	310.05	65.17

12 55 13 00-0018 Double Bunks *(12 55 13)*
Note: 14 Gauge center pans, 10 gauge formed steel legs, painted.

12 55 13 00-0019	EA	27" Wide x 80" Long x 52" High Double Bunk	507.49	86.90
12 55 13 00-0020	EA	32" Wide x 80" Long x 52" High Double Bunk	514.33	86.90
12 55 13 00-0021	EA	38" Wide x 80" Long x 52" High Double Bunk	543.42	86.90
12 55 13 00-0022	EA	Double Bunk Bed, 75" x 27", Up To 20	855.57	127.95
12 55 13 00-0023	EA	Double Bunk Bed, 75" x 27", Over 20	780.61	127.95

12 55 13 00-0024 Non-Removable Storage Drawers For Bunks/Beds *(12 55 13)*
Note: 14 Gauge drawer with 10 gauge formed steel guides, painted.

12 55 13 00-0025	EA	16" Long x 15" Wide x 7.75" Deep Non Removable Storage Drawer	131.90	32.58
12 55 13 00-0026	EA	24" Long x 23" Wide x 10" Deep Non Removable Storage Drawer	204.69	34.76

12 55 13 00-0027 Expanded Metal Convertible Beds *(12 55 13)*
Note: 1/2" #13 Flattened expanded metal pans, welded inside 2" x 1-1/2" x 3/16" angle iron frames, 10 gauge formed steel legs with floor mount, 1-1/2" 10 gauge bracing between leg assembly and frame.

12 55 13 00-0028	EA	27" Wide x 80" Long x 24" High Expanded Metal Convertible Bed	300.54	65.17
12 55 13 00-0029	EA	32" Wide x 80" Long x 24" High Expanded Metal Convertible Bed	314.73	65.17
12 55 13 00-0030	EA	38" Wide x 80" Long x 24" High Expanded Metal Convertible Bed	328.91	65.17
12 55 13 00-0031	EA	Adapter Kit For Converting Single Bed To Double Deck	43.00	

12 55 16 Detention Desks *(12 55)*

12 55 16 00-0001 Heavy Duty Desk With Swing Arm Seat *(12 55 16)*
Note: Includes 12" diameter 11 gauge stainless steel seat, cast iron swing arm, 10 gauge shelves, stainless steel towel bar, 10 gauge steel foot rest, painted.

12 55 16 00-0002	EA	36.5" Long x 15.5" Deep x 30" High Desk With Swing Arm Seat, 10 Gauge Steel Top	533.04	69.52
12 55 16 00-0003	EA	36.5" Long x 15.5" Deep x 30" High Desk With Swing Arm Seat, 11 Gauge Stainless Steel Top	660.39	69.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 55 16 00-0004		Institutional Desk And Seat *(12 55 16)*		
12 55 16 00-0005	EA	Institutional Desk And Seat, Up To 20	695.31	85.30
12 55 16 00-0006	EA	Institutional Desk And Seat, Over 20	620.35	85.30
12 55 16 00-0007	EA	Institutional Desk, Up To 20	620.35	85.30
12 55 16 00-0008	EA	Institutional Desk, Over 20	545.39	85.30
12 55 19		**Detention Stools** *(12 55)*		
12 55 19 00-0001		Heavy Duty Steel Bench *(12 55 19)* Note: 10 Gauge formed steel seat with rounded corners and edges, painted.		
12 55 19 00-0002	EA	48" Long x 18" High x 12" Wide Steel Bench	273.74	52.14
12 55 19 00-0003	EA	72" Long x 18" High x 12" Wide Steel Bench	326.90	56.49
12 55 19 00-0004	EA	96" Long x 18" High x 12" Wide Steel Bench	361.18	60.83
12 55 19 00-0005		Stationary Stools *(12 55 19)* Note: 12" Diameter 11 gauge stainless steel seat, 18" high, 2" schedule 40 steel pipe with welded 6" x 6" 10 gauge steel base plate bolted to floor.		
12 55 19 00-0006	EA	12" Diameter Stainless Steel Stationary Stool, 18" High	178.05	52.14
12 55 19 00-0007	EA	Floor Mounted Stool, 8" x 8" x 20"H, Up To 20	191.40	34.11
12 55 19 00-0008	EA	Floor Mounted Stool, 8" x 8" x 20"H, Over 20	203.47	34.11
12 55 19 00-0009	EA	Wall Mounted Swivel Stool, Up To 20	265.20	42.65
12 55 19 00-0010	EA	Wall Mounted Swivel Stool, Over 20	220.23	42.65
12 55 19 00-0011		Cell Bench *(12 55 19)* Note: 1-3/4" Thick red oak bench top, polyurethane finish.		
12 55 19 00-0012	EA	48" Long x 12" Wide Cell Bench, Red Oak	313.77	52.22
12 55 19 00-0013	EA	72" Long x 12" Wide Cell Bench, Red Oak	377.45	56.49
12 55 19 00-0014	EA	96" Long x 12" Wide Cell Bench, Red Oak	417.79	60.83
12 55 23		**Detention Tables** *(12 55)*		
12 55 23 00-0001		Wall Mounted Table And Seat Set *(12 55 23)* Note: 7 Gauge steel, painted.		
12 55 23 00-0002	EA	18" x 12" Wall Mounted Table And Seat Set	153.35	36.93
12 55 23 00-0003		Heavy Duty Picnic Style Table *(12 55 23)* Note: 10 Gauge steel, painted.		
12 55 23 00-0004	EA	48" Long x 50" Wide x 30" High Steel Picnic - Style Table	686.46	65.17
12 55 23 00-0005	EA	72" Long x 50" Wide x 30" High Steel Picnic - Style Table	866.23	69.52
12 55 23 00-0006	EA	96" Long x 50" Wide x 30" High Steel Picnic - Style Table	964.83	76.04
12 55 23 00-0007	EA	Picnic Table, 72" x 24" Up To 20	1,275.47	115.15
12 55 23 00-0008	EA	Picnic Table, 72" x 24" Over 20	1,125.55	115.15
12 55 23 00-0009		Heavy Duty Picnic Style Table *(12 55 23)* Note: 11 Gauge stainless steel top and benches with 10 gauge steel table base parts, painted.		
12 55 23 00-0010	EA	48" Long x 50" Wide x 30" High Stainless Steel Picnic - Style Table	806.14	65.17
12 55 23 00-0011	EA	72" Long x 50" Wide x 30" High Stainless Steel Picnic - Style Table	1,124.52	69.52
12 55 23 00-0012	EA	96" Long x 50" Wide x 30" High Stainless Steel Picnic - Style Table	1,193.88	76.04
12 55 23 00-0013		Heavy Duty Pedestal Style Table *(12 55 23)* Note: 10 Gauge steel table top with 11 gauge stainless steel, 12" diameter table seats, painted.		
12 55 23 00-0014	EA	24" Long x 59" Wide x 30" High Steel Pedestal Table	604.80	54.31
12 55 23 00-0015	EA	65" Long x 65" Wide x 30" High Steel Pedestal Table	964.23	58.65
12 55 23 00-0016	EA	65" Long x 87" Wide x 30" High Steel Pedestal Table	1,413.63	65.17
12 55 23 00-0017	EA	12" Diameter Stainless Steel Replacement Seat	38.81	8.69
12 55 23 00-0018		Heavy Duty Pedestal Style Table *(12 55 23)* Note: 11 Gauge stainless steel table top with 11 gauge stainless steel, 12" diameter table seats, painted.		
12 55 23 00-0019	EA	24" Long x 59" Wide x 30" High Stainless Steel Pedestal Table	530.96	54.31
12 55 23 00-0020	EA	65" Long x 65" Wide x 30" High Stainless Steel Pedestal Table	877.51	58.65
12 55 23 00-0021	EA	65" Long x 87" Wide x 30" High Stainless Steel Pedestal Table	1,251.00	65.17
12 55 23 00-0022	EA	12" Diameter Gray-Primed Steel Replacement Seats	30.40	8.69
12 55 23 00-0023	EA	4-MFIN, Pedestal Table, 39-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20	1,091.44	98.09
12 55 23 00-0024	EA	4-MFIN, Pedestal Table, 39-1/2" x 39-1/2" Stainless Steel Table Top, Over 20	941.52	98.09
12 55 23 00-0025	EA	6-MRN, Pedestal Table, 63-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20	1,408.34	106.62
12 55 23 00-0026	EA	6-MRN, Pedestal Table, 63-1/2" x 39-1/2" Stainless Steel Table Top, Over 20	1,258.42	106.62
12 55 23 00-0027	EA	8-MON, Pedestal Table, 87-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20	2,025.07	115.15
12 55 23 00-0028	EA	8-MON, Pedestal Table, 87-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20	1,725.23	115.15
12 55 26		**Detention Safety Clothes Hooks** *(12 55)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 55 26 00-0001	EA	Collapsible Clothes Hook, Screw Type	53.90	16.25
12 55 26 00-0002	EA	Collapsible Clothes Hook, Weld-On Type	53.69	17.38
12 55 26 00-0003	EA	8" x 18" Storage Shelf	262.56	34.76
		Note: With four collapsible clothes hooks on 11" x 18" back plate, welded steel plates, anchors.		
12 55 26 00-0004	EA	Shelf With Safety Clothes Hook, 16"Wx8"Deep, Up To 20	218.16	34.11
12 55 26 00-0005	EA	Shelf With Safety Clothes Hook, 16"Wx8"Deep, Over 20	180.68	34.11
12 55 26 00-0006	EA	Safety Clothes Hook, Up To 20	90.85	19.19
12 55 26 00-0007	EA	Safety Clothes Hook, Over 20	105.77	19.19

12 55 86 Detention Control Room Furniture *(12 55)*

12 55 86 00-0001	EA	TV Wall Mount, 22-1/4" Wide x 13-1/2" Deep Tray, Single-Arm	173.27	60.94
12 55 86 00-0002	EA	Wall Mounted TV Shelf, 24"W x 24"Deep, Up To 20	427.79	63.97
12 55 86 00-0003	EA	Wall Mounted TV Shelf, 24"W x 24"Deep, Over 20	390.31	63.97
12 55 86 00-0004	EA	Speaking Device With 6" Diameter Stainless Steel Cover Plates	950.70	25.59
		Note: Includes neoprene gaskets, baffle, wire cloth and security screws.		
12 55 86 00-0005	EA	1" Diameter, 3/16" Thick, Stainless Steel Shower Curtain Rod With 12 Gauge Hooks	417.45	21.33
12 55 86 00-0006	LF	20" Depth, 10 Gauge Steel, Wall Mounted Bench	205.49	12.80
12 55 86 00-0007	LF	20" Depth, 10 Gauge Steel, Floor Mounted Bench	246.21	10.66

12 59 Systems Furniture *(12 50)*

12 59 13 Panel-Hung Component System Furniture *(12 59)*

12 59 13 00-0001 Open Office Systems Furniture Components *(12 59 13)*

Note: Excludes electrical wire and wiring devices. See CSI section 26 05 19 13-0001 for wire, 26 05 19 16-0011 for wire, 26 27 26 00-0000 for wiring devices.

12 59 13 00-0002	EA	34H 24W Fabric Covered Panel - Component Systems Furniture	165.89	18.79
		For Tackable Acoustical Barrier Panel, Add	*27.36*	
		For Acoustical Panel, Add	*29.74*	
		For Enameled Surface, Deduct	*-11.90*	
12 59 13 00-0003	EA	34H 30W Fabric Covered Panel - Component Systems Furniture	184.38	20.91
		For Tackable Acoustical Barrier Panel, Add	*30.41*	
		For Acoustical Panel, Add	*33.05*	
		For Enameled Surface, Deduct	*-13.22*	
12 59 13 00-0004	EA	34H 36W Fabric Covered Panel - Component Systems Furniture	197.15	22.27
		For Tackable Acoustical Barrier Panel, Add	*32.52*	
		For Acoustical Panel, Add	*35.34*	
		For Enameled Surface, Deduct	*-14.14*	
12 59 13 00-0005	EA	34H 48W Fabric Covered Panel - Component Systems Furniture	220.90	25.00
		For Tackable Acoustical Barrier Panel, Add	*36.43*	
		For Acoustical Panel, Add	*39.60*	
		For Enameled Surface, Deduct	*-15.84*	
12 59 13 00-0006	EA	42H 24W Fabric Covered Panel - Component Systems Furniture	168.53	19.06
		For Tackable Acoustical Barrier Panel, Add	*27.80*	
		For Acoustical Panel, Add	*30.21*	
		For Enameled Surface, Deduct	*-12.09*	
12 59 13 00-0007	EA	42H 30W Fabric Covered Panel - Component Systems Furniture	190.52	21.52
		For Tackable Acoustical Barrier Panel, Add	*31.42*	
		For Acoustical Panel, Add	*34.16*	
		For Enameled Surface, Deduct	*-13.66*	
12 59 13 00-0008	EA	42H 36W Fabric Covered Panel - Component Systems Furniture	213.41	24.19
		For Tackable Acoustical Barrier Panel, Add	*35.20*	
		For Acoustical Panel, Add	*38.26*	
		For Enameled Surface, Deduct	*-15.30*	
12 59 13 00-0009	EA	42H 48W Fabric Covered Panel - Component Systems Furniture	250.83	28.35
		For Tackable Acoustical Barrier Panel, Add	*41.37*	
		For Acoustical Panel, Add	*44.97*	
		For Enameled Surface, Deduct	*-17.99*	
12 59 13 00-0010	EA	62H 12W Fabric Covered Panel - Component Systems Furniture	162.38	18.38
		For Tackable Acoustical Barrier Panel, Add	*26.78*	
		For Acoustical Panel, Add	*29.11*	
		For Enameled Surface, Deduct	*-11.64*	
12 59 13 00-0011	EA	62H 24W Fabric Covered Panel - Component Systems Furniture	199.78	22.61
		For Tackable Acoustical Barrier Panel, Add	*32.95*	
		For Acoustical Panel, Add	*35.82*	
		For Enameled Surface, Deduct	*-14.33*	
12 59 13 00-0012	EA	62H 36W Fabric Covered Panel - Component Systems Furniture	249.96	28.28
		For Tackable Acoustical Barrier Panel, Add	*41.23*	
		For Acoustical Panel, Add	*44.81*	
		For Enameled Surface, Deduct	*-17.92*	
12 59 13 00-0013	EA	62H 48W Fabric Covered Panel - Component Systems Furniture	299.21	33.82
		For Tackable Acoustical Barrier Panel, Add	*49.35*	
		For Acoustical Panel, Add	*53.65*	
		For Enameled Surface, Deduct	*-21.46*	
12 59 13 00-0014	EA	34" Draw Rod Panel Connector Hardware	9.06	1.02
12 59 13 00-0015	EA	42" Draw Rod Panel Connector Hardware	9.06	1.02
12 59 13 00-0016	EA	62" Draw Rod Panel Connector Hardware	9.67	1.09
12 59 13 00-0017	EA	34" Two-Way 90 Degree Panel Connector Hardware	41.68	4.72
12 59 13 00-0018	EA	42" Two-Way 90 Degree Panel Connector Hardware	48.32	5.47
12 59 13 00-0019	EA	62" Two-Way 90 Degree Panel Connector Hardware	55.57	6.28
12 59 13 00-0020	EA	34" Three-Way 90 Degree Panel Connector Hardware	64.62	7.31
12 59 13 00-0021	EA	42" Three-Way 90 Degree Panel Connector Hardware	74.90	8.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 13 00-0022	EA	62" Three-Way 90 Degree Panel Connector Hardware	86.98	9.84
12 59 13 00-0023	EA	34" Four-Way 90 Degree Panel Connector Hardware	81.53	9.22
12 59 13 00-0024	EA	42" Four-Way 90 Degree Panel Connector Hardware	95.43	10.79
12 59 13 00-0025	EA	62" Four-Way 90 Degree Panel Connector Hardware	114.75	12.98
12 59 13 00-0026	EA	34" Panel End Cap Hardware	13.89	1.57
12 59 13 00-0027	EA	42" Panel End Cap Hardware	15.70	1.78
12 59 13 00-0028	EA	62" Panel End Cap Hardware	16.92	1.92
12 59 13 00-0029	EA	28" Variable Height Panel End Filler Note: Field cut to appropriate length.	15.32	1.78
12 59 13 00-0030	EA	Two-Way Trim Cover For Cable Management Raceway	7.89	0.89
12 59 13 00-0031	EA	Three-Way Trim Cover For Cable Management Raceway	8.32	0.95
12 59 13 00-0032	EA	Four-Way Trim Cover For Cable Management Raceway	9.64	1.09
12 59 13 00-0033	EA	Finished End Trim Cover For Cable Management Raceway	7.89	0.89
12 59 13 00-0034	EA	12" Cable Management Raceway Assembly Note: Includes base plate, two side covers, and 2 side cover fillers.	16.20	1.85
12 59 13 00-0035	EA	24" Cable Management Raceway Assembly Note: Includes base plate, two side covers, and 2 side cover fillers.	18.40	2.05
12 59 13 00-0036	EA	30" Cable Management Raceway Assembly Note: Includes base plate, two side covers, and 2 side cover fillers.	18.83	2.12
12 59 13 00-0037	EA	36" Cable Management Raceway Assembly Note: Includes base plate, two side covers, and 2 side cover fillers.	21.02	2.39
12 59 13 00-0038	EA	48" Cable Management Raceway Assembly Note: Includes base plate, two side covers, and 2 side cover fillers.	23.64	2.67
12 59 13 00-0039	EA	24" x 36" Radiused Edge Rectangular Hanging Work Surface	127.16	14.35
12 59 13 00-0040	EA	30" x 36" Radiused Edge Rectangular Hanging Work Surface	156.65	17.70
12 59 13 00-0041	EA	24" x 48" Radiused Edge Rectangular Hanging Work Surface	147.85	16.73
12 59 13 00-0042	EA	30" x 48" Radiused Edge Rectangular Hanging Work Surface	184.83	20.91
12 59 13 00-0043	EA	24" x 60" Radiused Edge Rectangular Hanging Work Surface	186.58	21.11
12 59 13 00-0044	EA	30" x 60" Radiused Edge Rectangular Hanging Work Surface	234.99	26.64
12 59 13 00-0045	EA	24" x 72" Radiused Edge Rectangular Hanging Work Surface	226.61	25.62
12 59 13 00-0046	EA	30" x 72" Radiused Edge Rectangular Hanging Work Surface	284.68	32.17
12 59 13 00-0047	EA	30" x 60" Radiused Edge Table	505.73	57.24
12 59 13 00-0048	EA	30" x 72" Radiused Edge Table	552.68	62.58
12 59 13 00-0049	EA	14" x 24" Radiused Edge Transaction Surface	60.72	6.90
12 59 13 00-0050	EA	14" x 36" Radiused Edge Transaction Surface	69.08	7.78
12 59 13 00-0051	EA	14" x 48" Radiused Edge Transaction Surface	77.45	8.75
12 59 13 00-0052	EA	14" x 60" Radiused Edge Transaction Surface	96.36	10.93
12 59 13 00-0053	EA	14" x 72" Radiused Edge Transaction Surface	115.72	13.11
12 59 13 00-0054	EA	14" Right Angle Corner Transaction Surface	202.43	22.88
12 59 13 00-0055	EA	Transaction Surface Support	16.03	1.81
12 59 13 00-0056	EA	Plastic Pencil Drawer	17.38	1.78
12 59 13 00-0057	EA	15-1/2" x 24" Hanging Shelf	59.12	6.69
12 59 13 00-0058	EA	15-1/2" x 36" Hanging Shelf	64.37	7.24
12 59 13 00-0059	EA	15-1/2" x 48" Hanging Shelf	68.75	7.78
12 59 13 00-0060	EA	24" Flipper Door - Top And Front Closure Note: Used with hanging shelf.	102.02	11.55
12 59 13 00-0061	EA	36" Flipper Door - Top And Front Closure Note: Used with hanging shelf.	119.10	13.52
12 59 13 00-0062	EA	48" Flipper Door - Top And Front Closure Note: Used with hanging shelf.	136.61	15.44
12 59 13 00-0063	EA	24" Suspended Lateral File, Lockable	351.64	39.59
12 59 13 00-0064	EA	30" Suspended Lateral File, Lockable	371.40	41.81
12 59 13 00-0065	EA	36" Suspended Lateral File, Lockable	391.88	44.11
12 59 13 00-0066	EA	48" Suspended Lateral File, Lockable	428.61	48.25
12 59 13 00-0067	EA	Fully Adjustable Vinyl Keyboard Tray	159.40	18.04
12 59 13 00-0068	EA	Palm Rest For Vinyl Keyboard Tray	24.95	2.87
12 59 13 00-0069	EA	24" x 36" Radiused Edge Corner Work Surface	201.38	22.81
12 59 13 00-0070	EA	File Drawer Organizer	64.82	7.31
12 59 13 00-0071	EA	Suspended Lateral File Converter Bracket	14.01	1.57
12 59 13 00-0072	EA	Utility Task Light	70.06	7.93

12 59 13 00-0073 Disassemble And Store Systems Furniture Components *(12 59 13)*

12 59 13 00-0074	EA	Disassemble And Store 34H 24W Fabric Covered Panel	23.47	
12 59 13 00-0075	EA	Disassemble And Store 34H 30W Fabric Covered Panel	26.09	
12 59 13 00-0076	EA	Disassemble And Store 34H 36W Fabric Covered Panel	27.90	
12 59 13 00-0077	EA	Disassemble And Store 34H 48W Fabric Covered Panel	31.26	
12 59 13 00-0078	EA	Disassemble And Store 42H 24W Fabric Covered Panel	23.85	
12 59 13 00-0079	EA	Disassemble And Store 42H 30W Fabric Covered Panel	26.97	
12 59 13 00-0080	EA	Disassemble And Store 42H 36W Fabric Covered Panel	30.21	
12 59 13 00-0081	EA	Disassemble And Store 42H 48W Fabric Covered Panel	35.49	
12 59 13 00-0082	EA	Disassemble And Store 62H 12W Fabric Covered Panel	22.97	
12 59 13 00-0083	EA	Disassemble And Store 62H 24W Fabric Covered Panel	28.27	
12 59 13 00-0084	EA	Disassemble And Store 62H 36W Fabric Covered Panel	35.37	
12 59 13 00-0085	EA	Disassemble And Store 62H 48W Fabric Covered Panel	42.35	
12 59 13 00-0086	EA	Disassemble And Store 34" Draw Rod Panel Connector Hardware	1.28	
12 59 13 00-0087	EA	Disassemble And Store 42" Draw Rod Panel Connector Hardware	1.28	
12 59 13 00-0088	EA	Disassemble And Store 62" Draw Rod Panel Connector Hardware	1.36	
12 59 13 00-0089	EA	Disassemble And Store 34" Two-Way 90 Degree Panel Connector Hardware	5.90	
12 59 13 00-0090	EA	Disassemble And Store 42" Two-Way 90 Degree Panel Connector Hardware	6.84	
12 59 13 00-0091	EA	Disassemble And Store 62" Two-Way 90 Degree Panel Connector Hardware	7.87	
12 59 13 00-0092	EA	Disassemble And Store 34" Three-Way 90 Degree Panel Connector Hardware	9.15	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 13 00-0093	EA	Disassemble And Store 42" Three-Way 90 Degree Panel Connector Hardware	10.59	
12 59 13 00-0094	EA	Disassemble And Store 62" Three-Way 90 Degree Panel Connector Hardware	12.31	
12 59 13 00-0095	EA	Disassemble And Store 34" Four-Way 90 Degree Panel Connector Hardware	11.54	
12 59 13 00-0096	EA	Disassemble And Store 42" Four-Way 90 Degree Panel Connector Hardware	13.50	
12 59 13 00-0097	EA	Disassemble And Store 62" Four-Way 90 Degree Panel Connector Hardware	16.24	
12 59 13 00-0098	EA	Disassemble And Store 34" Panel End Cap Hardware	1.97	
12 59 13 00-0099	EA	Disassemble And Store 42" Panel End Cap Hardware	2.23	
12 59 13 00-0100	EA	Disassemble And Store 62" Panel End Cap Hardware	2.40	
12 59 13 00-0101	EA	Disassemble And Store Variable Height Panel End Filler	2.17	
12 59 13 00-0102	EA	Disassemble And Store Two-Way Trim Cover For Cable Management Raceway	1.11	
12 59 13 00-0103	EA	Disassemble And Store Three-Way Trim Cover For Cable Management Raceway	1.17	
12 59 13 00-0104	EA	Disassemble And Store Four-Way Trim Cover For Cable Management Raceway	1.36	
12 59 13 00-0105	EA	Disassemble And Store Finished End Trim Cover For Cable Management Raceway	1.11	
12 59 13 00-0106	EA	Disassemble And Store 12" Cable Management Raceway Assembly	2.30	
12 59 13 00-0107	EA	Disassemble And Store 24" Cable Management Raceway Assembly	2.60	
12 59 13 00-0108	EA	Disassemble And Store 30" Cable Management Raceway Assembly	2.67	
12 59 13 00-0109	EA	Disassemble And Store 36" Cable Management Raceway Assembly	2.97	
12 59 13 00-0110	EA	Disassemble And Store 48" Cable Management Raceway Assembly	3.34	
12 59 13 00-0111	EA	Disassemble And Store 24" x 36" Radiused Edge Rectangular Hanging Work Surface	18.00	
12 59 13 00-0112	EA	Disassemble And Store 30" x 36" Radiused Edge Rectangular Hanging Work Surface	22.17	
12 59 13 00-0113	EA	Disassemble And Store 24" x 48" Radiused Edge Rectangular Hanging Work Surface	20.93	
12 59 13 00-0114	EA	Disassemble And Store 30" x 48" Radiused Edge Rectangular Hanging Work Surface	26.15	
12 59 13 00-0115	EA	Disassemble And Store 24" x 60" Radiused Edge Rectangular Hanging Work Surface	26.40	
12 59 13 00-0116	EA	Disassemble And Store 30" x 60" Radiused Edge Rectangular Hanging Work Surface	33.26	
12 59 13 00-0117	EA	Disassemble And Store 24" x 72" Radiused Edge Rectangular Hanging Work Surface	32.07	
12 59 13 00-0118	EA	Disassemble And Store 30" x 72" Radiused Edge Rectangular Hanging Work Surface	40.29	
12 59 13 00-0119	EA	Disassemble And Store 30" x 60" Radiused Edge Table	62.22	
12 59 13 00-0120	EA	Disassemble And Store 30" x 72" Radiused Edge Table	78.19	
12 59 13 00-0121	EA	Disassemble And Store 14" x 24" Radiused Edge Transaction Surface	8.60	
12 59 13 00-0122	EA	Disassemble And Store 14" x 36" Radiused Edge Transaction Surface	9.77	
12 59 13 00-0123	EA	Disassemble And Store 14" x 48" Radiused Edge Transaction Surface	10.95	
12 59 13 00-0124	EA	Disassemble And Store 14" x 60" Radiused Edge Transaction Surface	13.63	
12 59 13 00-0125	EA	Disassemble And Store 14" x 72" Radiused Edge Transaction Surface	16.37	
12 59 13 00-0126	EA	Disassemble And Store 14" Right Angle Corner Transaction Surface	28.65	
12 59 13 00-0127	EA	Disassemble And Store Transaction Surface Support	2.26	
12 59 13 00-0128	EA	Disassemble And Store Plastic Pencil Drawer	2.23	
12 59 13 00-0129	EA	Disassemble And Store 15-1/2" x 24" Hanging Shelf	8.37	
12 59 13 00-0130	EA	Disassemble And Store 15-1/2" x 36" Hanging Shelf	9.11	
12 59 13 00-0131	EA	Disassemble And Store 15-1/2" x 48" Hanging Shelf	9.73	
12 59 13 00-0132	EA	Disassemble And Store 24" Flipper Door And Shelf	14.44	
12 59 13 00-0133	EA	Disassemble And Store 36" Flipper Door And Shelf	16.85	
12 59 13 00-0134	EA	Disassemble And Store 48" Flipper Door And Shelf	19.33	
12 59 13 00-0135	EA	Disassemble And Store 24" Suspended Lateral File	49.49	
12 59 13 00-0136	EA	Disassemble And Store 30" Suspended Lateral File	52.26	
12 59 13 00-0137	EA	Disassemble And Store 36" Suspended Lateral File	55.15	
12 59 13 00-0138	EA	Disassemble And Store 48" Suspended Lateral File	60.31	
12 59 13 00-0139	EA	Disassemble And Store Fully Adjustable Vinyl Keyboard Tray	22.56	
12 59 13 00-0140	EA	Disassemble And Store 24" x 36" Radiused Edge Corner Work Surface	28.50	
12 59 13 00-0141	EA	Disassemble And Store Utility Task Light	9.91	

12 59 13 00-0142 Reconfigure Systems Furniture Components *(12 59 13)*

12 59 13 00-0143	EA	Reconfigure 34H 24W Fabric Covered Panel	25.03	
12 59 13 00-0144	EA	Reconfigure 34H 30W Fabric Covered Panel	27.82	
12 59 13 00-0145	EA	Reconfigure 34H 36W Fabric Covered Panel	29.74	
12 59 13 00-0146	EA	Reconfigure 34H 48W Fabric Covered Panel	33.33	
12 59 13 00-0147	EA	Reconfigure 42H 24W Fabric Covered Panel	25.42	
12 59 13 00-0148	EA	Reconfigure 42H 30W Fabric Covered Panel	28.75	
12 59 13 00-0149	EA	Reconfigure 42H 36W Fabric Covered Panel	32.20	
12 59 13 00-0150	EA	Reconfigure 42H 48W Fabric Covered Panel	37.84	
12 59 13 00-0151	EA	Reconfigure 62H 12W Fabric Covered Panel	24.50	
12 59 13 00-0152	EA	Reconfigure 62H 24W Fabric Covered Panel	30.15	
12 59 13 00-0153	EA	Reconfigure 62H 36W Fabric Covered Panel	37.71	
12 59 13 00-0154	EA	Reconfigure 62H 48W Fabric Covered Panel	45.14	
12 59 13 00-0155	EA	Reconfigure 34" Draw Rod Panel Connector Hardware	1.36	
12 59 13 00-0156	EA	Reconfigure 42" Draw Rod Panel Connector Hardware	1.36	
12 59 13 00-0157	EA	Reconfigure 62" Draw Rod Panel Connector Hardware	1.45	
12 59 13 00-0158	EA	Reconfigure 34" Two-Way 90 Degree Panel Connector Hardware	6.29	
12 59 13 00-0159	EA	Reconfigure 42" Two-Way 90 Degree Panel Connector Hardware	7.29	
12 59 13 00-0160	EA	Reconfigure 62" Two-Way 90 Degree Panel Connector Hardware	8.39	
12 59 13 00-0161	EA	Reconfigure 34" Three-Way 90 Degree Panel Connector Hardware	9.75	
12 59 13 00-0162	EA	Reconfigure 42" Three-Way 90 Degree Panel Connector Hardware	11.30	
12 59 13 00-0163	EA	Reconfigure 62" Three-Way 90 Degree Panel Connector Hardware	13.12	
12 59 13 00-0164	EA	Reconfigure 34" Four-Way 90 Degree Panel Connector Hardware	12.30	
12 59 13 00-0165	EA	Reconfigure 42" Four-Way 90 Degree Panel Connector Hardware	14.40	
12 59 13 00-0166	EA	Reconfigure 62" Four-Way 90 Degree Panel Connector Hardware	17.32	
12 59 13 00-0167	EA	Reconfigure 34" Panel End Cap Hardware	2.10	
12 59 13 00-0168	EA	Reconfigure 42" Panel End Cap Hardware	2.37	
12 59 13 00-0169	EA	Reconfigure 62" Panel End Cap Hardware	2.55	
12 59 13 00-0170	EA	Reconfigure Variable Height Panel End Filler	2.31	
12 59 13 00-0171	EA	Reconfigure Two-Way Trim Cover For Cable Management Raceway	1.19	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 13 00-0172	EA	Reconfigure Three-Way Trim Cover For Cable Management Raceway	1.25	
12 59 13 00-0173	EA	Reconfigure Four-Way Trim Cover For Cable Management Raceway	1.45	
12 59 13 00-0174	EA	Reconfigure Finished End Trim Cover For Cable Management Raceway	1.19	
12 59 13 00-0175	EA	Reconfigure 12" Cable Management Raceway Assembly	2.45	
12 59 13 00-0176	EA	Reconfigure 24" Cable Management Raceway Assembly	2.78	
12 59 13 00-0177	EA	Reconfigure 30" Cable Management Raceway Assembly	2.84	
12 59 13 00-0178	EA	Reconfigure 36" Cable Management Raceway Assembly	3.17	
12 59 13 00-0179	EA	Reconfigure 48" Cable Management Raceway Assembly	3.57	
12 59 13 00-0180	EA	Reconfigure 24" x 36" Radiused Edge Rectangular Hanging Work Surface	19.19	
12 59 13 00-0181	EA	Reconfigure 30" x 36" Radiused Edge Rectangular Hanging Work Surface	23.64	
12 59 13 00-0182	EA	Reconfigure 24" x 48" Radiused Edge Rectangular Hanging Work Surface	22.31	
12 59 13 00-0183	EA	Reconfigure 30" x 48" Radiused Edge Rectangular Hanging Work Surface	27.88	
12 59 13 00-0184	EA	Reconfigure 24" x 60" Radiused Edge Rectangular Hanging Work Surface	28.15	
12 59 13 00-0185	EA	Reconfigure 30" x 60" Radiused Edge Rectangular Hanging Work Surface	35.45	
12 59 13 00-0186	EA	Reconfigure 24" x 72" Radiused Edge Rectangular Hanging Work Surface	34.19	
12 59 13 00-0187	EA	Reconfigure 30" x 72" Radiused Edge Rectangular Hanging Work Surface	42.96	
12 59 13 00-0188	EA	Reconfigure 30" x 60" Radiused Edge Table	76.31	
12 59 13 00-0189	EA	Reconfigure 30" x 72" Radiused Edge Table	83.39	
12 59 13 00-0190	EA	Reconfigure 14" x 24" Radiused Edge Transaction Surface	9.16	
12 59 13 00-0191	EA	Reconfigure 14" x 36" Radiused Edge Transaction Surface	10.42	
12 59 13 00-0192	EA	Reconfigure 14" x 48" Radiused Edge Transaction Surface	11.69	
12 59 13 00-0193	EA	Reconfigure 14" x 60" Radiused Edge Transaction Surface	14.54	
12 59 13 00-0194	EA	Reconfigure 14" x 72" Radiused Edge Transaction Surface	17.47	
12 59 13 00-0195	EA	Reconfigure 14" Right Angle Corner Transaction Surface	30.54	
12 59 13 00-0196	EA	Reconfigure Transaction Surface Support	2.41	
12 59 13 00-0197	EA	Reconfigure 15-1/2" x 24" Hanging Shelf	8.92	
12 59 13 00-0198	EA	Reconfigure 15-1/2" x 36" Hanging Shelf	9.71	
12 59 13 00-0199	EA	Reconfigure 15-1/2" x 48" Hanging Shelf	10.37	
12 59 13 00-0200	EA	Reconfigure 24" Flipper Door And Shelf	15.39	
12 59 13 00-0201	EA	Reconfigure 36" Flipper Door And Shelf	17.97	
12 59 13 00-0202	EA	Reconfigure 48" Flipper Door And Shelf	20.62	
12 59 13 00-0203	EA	Reconfigure 24" Suspended Lateral File	52.79	
12 59 13 00-0204	EA	Reconfigure 30" Suspended Lateral File	55.75	
12 59 13 00-0205	EA	Reconfigure 36" Suspended Lateral File	58.83	
12 59 13 00-0206	EA	Reconfigure 48" Suspended Lateral File	64.35	
12 59 13 00-0207	EA	Reconfigure 24" x 36" Radiused Edge Corner Work Surface	30.39	

12 60 Multiple Seating *(12)*

12 61 Fixed Audience Seating *(12 60)*

See CSI section 12 01 60 00-0001 for seat repairs.

12 61 13 Upholstered Audience Seating *(12 61)*

12 61 13 00-0001 Fixed Back Upholstered Audience Seating *(12 61 13)*

12 61 13 00-0002	EA	31" Seat Height, Polypropylene, Fixed Back Upholstered Audience Seating (Irwin Marquee 51.12.10.4) Note: Polypropylene surfaced back and seat with plywood backed upholstered panels. Comfort curved wood armrests. Powdered coated steel chair platform.	392.90	33.85
		For >100, Deduct	*-51.79*	
		For Table Arm Attachment, Add	*57.86*	
		For Aisle Panel, Add	*86.34*	
		For Epoxy Anchoring, Add	*23.38*	
		For <25, Add	*86.21*	
12 61 13 00-0003	EA	36" Seat Height, Polypropylene, Fixed Back Upholstered Audience Seating (Irwin Saturn 22.12.00.4) Note: Polypropylene surfaced back and seat with plywood backed upholstered panels. Comfort curved polymer armrests. Powdered coated steel chair platform.	502.88	33.85
		For >100, Deduct	*-69.63*	
		For Table Arm Attachment, Add	*57.86*	
		For Aisle Panel, Add	*86.34*	
		For Epoxy Anchoring, Add	*23.38*	
		For <25, Add	*115.91*	

12 61 16 Molded-Plastic Audience Seating *(12 61)*

12 61 16 00-0001 Fixed Back Molded-Plastic Audience Seating *(12 61 16)*

12 61 16 00-0002	EA	Fixed Back Molded-Plastic Audience Seating (Irwin Patriot 30.52.36.30) Note: Impact resistant textured polypropylene seat and back. Laminate surfaced armrests. Powder coated steel chair platform.	290.33	33.85
		For >100, Deduct	*-35.16*	
		For Table Arm Attachment, Add	*57.86*	
		For Aisle Panel, Add	*86.34*	
		For Epoxy Anchoring, Add	*23.38*	
		For <25, Add	*58.52*	

12 61 19 Plywood/Hardwood Audience Seating *(12 61)*

12 61 19 00-0001 Fixed Back Plywood/Hardwood Audience Seating *(12 61 19)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 61 19 00-0002	EA	Fixed Back Plywood/Hardwood Audience Seating (Irwin Crusader 1.14.86.4) Note: Stained hardwood armrests, veneered plywood seat, and veneered plywood back. Powder coated steel chair platform.	432.36	33.85
		For >100, Deduct	*-58.19*	
		For Table Arm Attachment, Add	*57.86*	
		For Aisle Panel, Add	*86.34*	
		For Epoxy Anchoring, Add	*23.38*	
		For <25, Add	*96.87*	

12 62 Portable-Audience Seating *(12 60)*

12 62 23 Portable Bleachers *(12 62)*

12 62 23 00-0001 Metal Bleachers, Outdoor, Portable *(12 62 23)*

Note: Average seating is 18".

12 62 23 00-0002 Non-Elevated Portable Aluminum Bleacher *(12 62 23 00-0001)*

12 62 23 00-0003	SEA	2 To 5 Rows, Non Elevated Portable Aluminum Bleacher Price Per Seat	51.41	3.40
		For Each "Tip and Roll" Set (Includes Two Fixed Wheels), Add To Total Structure	*165.00*	
		For Each "Flip and Roll" Set (Includes Four Wheels), Add To Total Structure	*335.00*	

12 62 23 00-0004 Non-Elevated Portable Aluminum Bleacher *(12 62 23 00-0001)*

Note: Includes side and back fence.

12 62 23 00-0005	SEA	5 Rows, Non Elevated Portable Aluminum Bleacher Note: Including side and back fence.	64.88	3.40
		For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	*35.00*	
12 62 23 00-0006	SEA	6 To 10 Rows, Non Elevated Portable Aluminum Bleacher Note: Including side and back fence.	73.21	3.57
		For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	*35.00*	
12 62 23 00-0007	SEA	11 To 15 Rows, Non Elevated Portable Aluminum Bleacher Note: Including side and back fence.	76.45	3.74
		For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	*35.00*	

12 62 23 00-0008 Non-Elevated Portable Aluminum Bleacher *(12 62 23 00-0001)*

Note: Includes side and back fence and center aisle with rails.

12 62 23 00-0009	SEA	5 Rows, Non Elevated Portable Aluminum Bleacher Note: Including side and back fence and center aisle with hand rails.	97.06	3.83
		For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	*35.00*	
12 62 23 00-0010	SEA	6 To 10 Rows, Non Elevated Portable Aluminum Bleacher Note: Including side and back fence and center aisle with hand rails.	110.15	4.03
		For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	*35.00*	
12 62 23 00-0011	SEA	11 To 15 Rows, Non Elevated Portable Aluminum Bleacher Note: Including side and back fence and center aisle with hand rails.	119.16	4.26
		For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	*35.00*	

12 63 Stadium And Arena Seating *(12 60)*

12 63 13 Stadium And Arena Bench Seating *(12 63)*

12 63 13 00-0001 Precast Concrete Park Benches With Backs *(12 63 13)*

12 63 13 00-0002	EA	4' Precast Concrete Bench With Back	756.36	78.33
12 63 13 00-0003	EA	8' Precast Concrete Bench With Back	1,040.74	101.83

12 63 13 00-0004 Fiberglass Benches With Backs *(12 63 13)*

12 63 13 00-0005	EA	4' Fiberglass Bench With Back	366.32	39.17
12 63 13 00-0006	EA	8' Fiberglass Bench With Back	510.28	56.40

12 63 13 00-0007 Wood Benches With Backs And Fiberglass Supports *(12 63 13)*

12 63 13 00-0008	EA	4' Wood Bench With Back And Fiberglass Supports	743.12	39.17
12 63 13 00-0009	EA	8' Wood Bench With Back And Fiberglass Supports	908.88	56.40
12 63 13 00-0010	EA	6' Permanent Wooden Slat Bench With Back And Fiberglass Supports	231.79	32.39
12 63 13 00-0011	EA	6' Permanent Redwood Slat Bench With Back And Fiberglass Supports	276.42	32.39
12 63 13 00-0012	EA	6' Redwood Bench With Back And Fiberglass Supports	325.21	32.39
12 63 13 00-0013	EA	6' Permanent Redwood Contour Bench With Back And Fiberglass Supports	368.82	32.39
12 63 13 00-0014	EA	8' Heavy Duty Permanent Redwood Bench With Back And Fiberglass Supports	343.37	32.39
12 63 13 00-0015	EA	6' Ornate Bench, Exterior With Back And Fiberglass Supports	484.02	32.39

12 63 13 00-0016 Steel Frame Benches *(12 63 13)*

12 63 13 00-0017	EA	6' All Steel Bench	428.11	49.36
12 63 13 00-0018	EA	6' Steel Frame Bench With Hardwood Boards	385.88	49.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 63 13 00-0019		**Aluminum Benches** *(12 63 13)*		
12 63 13 00-0020	LF	10' Steel Frame Players Bench Fir Seat With No Back	31.70	3.92
12 63 13 00-0021	EA	6' Permanent Enclosed Slat Bench	366.74	32.39
12 63 13 00-0022	EA	6' Portable Anodized Aluminum Bench	350.77	32.39
12 63 13 00-0023	EA	6' Portable Colored Aluminum Bench	387.73	32.39
12 63 13 00-0024		**Steel Benches** *(12 63 13)*		
12 63 13 00-0025	EA	6' Portable Super Slat Steel Bench	361.31	32.39
12 63 13 00-0026	EA	6' Permanent One-piece Steel Bench	340.20	32.39
12 63 13 00-0027	EA	6' Portable Perma-glass Park Bench	371.87	32.39
12 63 13 00-0028		**Color Coated Square Steel Frames** *(12 63 13)* Note: With flat steel slats, includes intermediate frame with armrest and back.		
12 63 13 00-0029	EA	Bench 8.08' Long	998.80	79.00
12 63 13 00-0030	EA	Bench 10.08' Long	2,053.08	79.00
12 63 13 00-0031	EA	Bench 12' Long	2,228.81	79.00

END OF SECTION 12

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

13 Special Construction

13 10 Special Facility Components *(13)*

13 11 Swimming Pools *(13 10)*

13 11 46 Swimming Pool Accessories *(13 11)*

13 11 46 00-0001 Diving Stand *(13 11 46)*

13 11 46 00-0002	EA	Diving Stand, 3 M Galvanized Steel Swimming Pool Equipment	16,191.54	1,958.36
13 11 46 00-0003	EA	Diving Stand, 3 M Stainless Steel Swimming Pool Equipment	19,386.47	1,958.36
13 11 46 00-0004	EA	Diving Stand, 1 M Galvanized Steel Swimming Pool Equipment	9,436.32	783.34
13 11 46 00-0005	EA	Diving Stand, 1 M Stainless Steel Swimming Pool Equipment	11,843.13	783.34
13 11 46 00-0006	EA	Diving Stand, 1/2 M Galvanized Steel With Stainless Steel Rails	3,506.27	363.47

13 11 46 00-0007 Diving Boards *(13 11 46)*

13 11 46 00-0008	EA	14' Long, Aluminum Diving Boards	2,161.17	289.84
		For Wheel Adjuster, Add	*103.97*	
13 11 46 00-0009	EA	14' Long, Fiberglass Diving Boards	1,472.50	289.84
		For Wheel Adjuster, Add	*103.97*	
13 11 46 00-0010	EA	8' Long, Fiberglass Diving Board	915.62	240.48
		For Wheel Adjuster, Add	*98.48*	
13 11 46 00-0011	EA	10' Long, Fiberglass Diving Board	1,125.47	256.94
		For Wheel Adjuster, Add	*100.30*	
13 11 46 00-0012	EA	12' Long, Fiberglass Diving Board	1,332.35	274.17
		For Wheel Adjuster, Add	*102.20*	

13 11 46 00-0013 Heavy Duty Ladders *(13 11 46)*

13 11 46 00-0014	EA	Ladders, 2 Tread, Galvanized Steel Swimming Pool Equipment	874.44	112.02
13 11 46 00-0015	EA	Ladders, 2 Tread, Stainless Steel Swimming Pool Equipment	1,371.29	112.02
13 11 46 00-0016	EA	Ladders, 4 Tread, Galvanized Steel Swimming Pool Equipment	1,004.70	129.25
13 11 46 00-0017	EA	Ladders, 4 Tread, Stainless Steel Swimming Pool Equipment	1,684.87	129.25

13 11 46 00-0018 Lifeguard Chair *(13 11 46)*

13 11 46 00-0019	EA	Lifeguard Chair, Galvanized Swimming Pool Equipment	2,104.04	289.84
13 11 46 00-0020	EA	Lifeguard Chair, Stainless Steel Swimming Pool Equipment	3,105.71	289.84

13 11 46 00-0021 Underwater Lights *(13 11 46)*

13 11 46 00-0022	EA	Lights, Underwater, 12 Volt, With Transformer Swimming Pool Equipment	411.03	103.03
13 11 46 00-0023	EA	Lights, Underwater, 110 Volt, Swimming Pool Equipment	401.61	103.03

13 11 46 00-0024 Pool Covers *(13 11 46)*

Note: Includes cover straps and tension springs.

13 11 46 00-0025	SF	Pool Covers, Reinforced Polyethylene	10.84	4.79
13 11 46 00-0026	SF	Pool Cover, Vinyl Water Tube	11.08	4.79

13 11 46 00-0027 Slides With Water Tube *(13 11 46)*

13 11 46 00-0028	EA	Swim Pool Slide	2,061.95	440.63

13 11 46 00-0029 Curved Slides With Water Tube *(13 11 46)*

13 11 46 00-0030	EA	8 Ft Curved With Continuous Flowing Water	1,538.60	599.49

13 12 Fountains *(13 10)*

13 12 13 Exterior Fountains *(13 12)*

13 12 13 00-0001 Fountains/Aerators *(13 12 13)*

13 12 13 00-0002	EA	1/2 HP Pump, Single Phase With 100' Cord	2,127.02	118.37
13 12 13 00-0003	EA	3/4 HP Pump, Single Phase With 100' Cord	2,359.59	120.97
13 12 13 00-0004	EA	1 HP Pump, Single Phase With 100' Cord	2,389.47	123.90
13 12 13 00-0005	EA	1-1/2 HP Pump, Single Phase With 100' Cord	2,509.85	126.83
13 12 13 00-0006	EA	2 HP Pump, Single Phase With 100' Cord	2,630.99	130.08
13 12 13 00-0007	EA	5 HP Pump, Three Phase With 200' Cord	5,758.73	133.33
13 12 13 00-0008	EA	7-1/2 HP Pump, Three Phase With 200' Cord	6,604.13	136.90
13 12 13 00-0009	EA	10 HP Pump, Three Phase With 200' Cord	7,336.51	140.48
13 12 13 00-0010	EA	15 HP Pump, Three Phase With 200' Cord	9,312.98	144.38
13 12 13 00-0011	EA	Aerator Nozzle	471.83	65.04

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

13 20 Special Purpose Rooms *(13)*

13 21 Controlled Environment Rooms *(13 20)*

13 21 26 Cold Storage Rooms *(13 21)*

See CSI section 11 41 23 00-0000 for refrigerated controlled environment rooms.

13 30 Special Structures *(13)*

13 34 Fabricated Engineered Structures *(13 30)*

13 34 16 Grandstands And Bleachers *(13 34)*

13 34 16 13 Grandstands *(13 34 16)*

13 34 16 13-0001 Permanent Grandstands, Wood Seat, Steel Frame *(13 34 16 13)*

13 34 16 13-0002 3 To 15 Tiers *(13 34 16 13-0001)*

13 34 16 13-0003	SEA	3-15 Tier Permanent Grandstand Price Per Seat	64.78	6.81

13 34 16 13-0004 16 To 30 Tiers *(13 34 16 13-0001)*

13 34 16 13-0005	SEA	16-30 Tier Permanent Grandstand Price Per Seat	98.92	7.67

13 34 19 Metal Building Systems *(13 34)*

Note: Includes material, delivery to site, factory design analysis with report, engineered foundation design, shop drawings, and assembly of building on site.

13 34 19 00-0001 Pre-Engineered Metal Buildings *(13 34 19)*

Note: Free standing base buildings have a live load of 12 PSF and a wind load of 16.4 PSF (80 MPH). Includes anchoring and fasteners to concrete foundation. Includes design for foundation footings and piers. Includes a prime coated structural frame, painted steel wall panels 26 gauge, standing seam roof panels 26 gauge, roof 1 in 12 slope. Includes material, delivery to site, lifting equipment (crane) for erection, factory design analysis with report, engineered foundation design, shop drawings, and assembly of building on site. Eave height is measured from the top of slab to the underside of the roof deck. Excludes foundations and slab.

13 34 19 00-0002 Clear Span Rigid Frame Pre-Engineered Metal Buildings *(13 34 19 00-0001)*

Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0003 20' To 30' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings *(13 34 19 00-0002)*

13 34 19 00-0004	GSF	10' Eave Height, 20' To 30' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	23.56	5.77
		For 30' To 49' In Length Only, Add	*2.89*	
		For 50' To 69' In Length Only, Add	*1.58*	
		For 70' To 99' In Length Only, Add	*0.65*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.71*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.18*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.77*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.30*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.83*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.48*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.65*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.71*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.73*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0005	GSF	12' Eave Height, 20' To 30' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	25.06	6.33
		For 30' To 49' In Length Only, Add	*2.97*	
		For 50' To 69' In Length Only, Add	*1.62*	
		For 70' To 99' In Length Only, Add	*0.67*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.75*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.25*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.88*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.44*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.01*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.76*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.01*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.75*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.80*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0006	GSF	14' Eave Height, 20' To 30' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	26.71	6.99
		For 30' To 49' In Length Only, Add	*3.06*	
		For 50' To 69' In Length Only, Add	*1.67*	
		For 70' To 99' In Length Only, Add	*0.69*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.80*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.34*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.00*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.60*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.21*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.07*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.41*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.80*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.87*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0007	GSF	16' Eave Height, 20' To 30' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	28.62	7.64
		For 30' To 49' In Length Only, Add	*3.20*	
		For 50' To 69' In Length Only, Add	*1.75*	
		For 70' To 99' In Length Only, Add	*0.72*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.86*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.43*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.15*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.79*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.43*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.44*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.87*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.85*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.94*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0008	GSF	18' Eave Height, 20' To 30' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	30.61	8.30
		For 30' To 49' In Length Only, Add	*3.36*	
		For 50' To 69' In Length Only, Add	*1.84*	
		For 70' To 99' In Length Only, Add	*0.76*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.92*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.53*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.30*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.98*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.67*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.82*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*7.35*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.91*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.01*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0009	GSF	20' Eave Height, 20' To 30' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	32.52	8.91
		For 30' To 49' In Length Only, Add	*3.53*	
		For 50' To 69' In Length Only, Add	*1.93*	
		For 70' To 99' In Length Only, Add	*0.79*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.98*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.63*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.44*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*3.17*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.90*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*6.18*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*7.80*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.96*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.08*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0010	GSF	24' Eave Height, 20' To 30' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	36.34	10.22
		For 30' To 49' In Length Only, Add	*3.84*	
		For 50' To 69' In Length Only, Add	*2.09*	
		For 70' To 99' In Length Only, Add	*0.86*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.09*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.82*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.73*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*3.54*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.36*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*6.90*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*8.72*	
		For Each SF Of 24 Gauge Wall Panel, Add	*1.07*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.22*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0011 >30' To 50' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings
(13 34 19 00-0002)

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0012	GSF	10' Eave Height, >30' To 50' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	20.41	4.59
		For 30' To 49' In Length Only, Add	*2.70*	
		For 50' To 69' In Length Only, Add	*1.47*	
		For 70' To 99' In Length Only, Add	*0.61*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.61*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.02*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.53*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.99*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.45*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.88*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.90*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.62*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.60*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0013	GSF	12' Eave Height, >30' To 50' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	21.61	5.00
		For 30' To 49' In Length Only, Add	*2.78*	
		For 50' To 69' In Length Only, Add	*1.52*	
		For 70' To 99' In Length Only, Add	*0.62*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.65*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.08*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.62*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.11*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.59*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.11*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.19*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.66*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.65*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0014	GSF	14' Eave Height, >30' To 50' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	22.64	5.41
		For 30' To 49' In Length Only, Add	*2.83*	
		For 50' To 69' In Length Only, Add	*1.55*	
		For 70' To 99' In Length Only, Add	*0.64*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.68*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.13*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.70*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.21*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.72*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.30*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.43*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.68*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.70*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0015	GSF	16' Eave Height, >30' To 50' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	24.21	5.90
		For 30' To 49' In Length Only, Add	*2.98*	
		For 50' To 69' In Length Only, Add	*1.63*	
		For 70' To 99' In Length Only, Add	*0.67*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.73*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.21*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.82*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.36*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.91*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.60*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.81*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.73*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.75*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0016	GSF	18' Eave Height, >30' To 50' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	26.31	6.33
		For 30' To 49' In Length Only, Add	*3.27*	
		For 50' To 69' In Length Only, Add	*1.79*	
		For 70' To 99' In Length Only, Add	*0.74*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.79*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.32*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.97*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.57*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.16*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.00*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.31*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.79*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.80*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0017	GSF	20' Eave Height, >30' To 50' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	28.12	6.77
		For 30' To 49' In Length Only, Add	*3.48*	
		For 50' To 69' In Length Only, Add	*1.90*	
		For 70' To 99' In Length Only, Add	*0.78*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.84*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.41*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.11*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.74*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.37*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.34*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.75*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.85*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.85*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0018	GSF	24' Eave Height, >30' To 50' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	30.60	7.64
		For 30' To 49' In Length Only, Add	*3.67*	
		For 50' To 69' In Length Only, Add	*2.01*	
		For 70' To 99' In Length Only, Add	*0.83*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.92*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.53*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.30*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.98*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.67*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.81*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*7.34*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.92*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.94*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0019		>50' To 100' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings *(13 34 19 00-0002)*		
13 34 19 00-0020	GSF	10' Eave Height, >50' To 100' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	15.51	2.84
		For 30' To 49' In Length Only, Add	*2.36*	
		For 50' To 69' In Length Only, Add	*1.29*	
		For 70' To 99' In Length Only, Add	*0.53*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.47*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.78*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.16*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.51*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.86*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.95*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.72*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.49*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.41*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0021	GSF	12' Eave Height, >50' To 100' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	16.15	3.01
		For 30' To 49' In Length Only, Add	*2.43*	
		For 50' To 69' In Length Only, Add	*1.33*	
		For 70' To 99' In Length Only, Add	*0.55*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.48*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.81*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.21*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.57*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.94*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.07*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.88*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.51*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.43*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0022	GSF	14' Eave Height, >50' To 100' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	16.80	3.19
		For 30' To 49' In Length Only, Add	*2.50*	
		For 50' To 69' In Length Only, Add	*1.37*	
		For 70' To 99' In Length Only, Add	*0.56*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.50*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.84*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.26*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.64*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.02*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.19*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.03*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.52*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.45*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0023	GSF	16' Eave Height, >50' To 100' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	17.74	3.37
		For 30' To 49' In Length Only, Add	*2.64*	
		For 50' To 69' In Length Only, Add	*1.44*	
		For 70' To 99' In Length Only, Add	*0.60*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.53*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.89*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.33*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.73*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.13*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.37*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.26*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.55*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.47*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0024	GSF	18' Eave Height, >50' To 100' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	18.49	3.53
		For 30' To 49' In Length Only, Add	*2.74*	
		For 50' To 69' In Length Only, Add	*1.49*	
		For 70' To 99' In Length Only, Add	*0.62*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.55*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.92*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.39*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.80*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.22*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.51*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.44*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.58*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.49*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0025	GSF	20' Eave Height, >50' To 100' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	19.14	3.71
		For 30' To 49' In Length Only, Add	*2.81*	
		For 50' To 69' In Length Only, Add	*1.54*	
		For 70' To 99' In Length Only, Add	*0.63*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.57*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.96*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.44*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.87*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.30*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.64*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.59*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.60*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.51*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0026	GSF	24' Eave Height, >50' To 100' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	20.95	4.07
		For 30' To 49' In Length Only, Add	*3.08*	
		For 50' To 69' In Length Only, Add	*1.68*	
		For 70' To 99' In Length Only, Add	*0.69*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.63*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.05*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.57*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.04*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.51*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.98*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.03*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.65*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.55*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0027 Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings *(13 34 19 00-0001)*

Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0028 Up To 30' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings *(13 34 19 00-0027)*

13 34 19 00-0029	GSF	10' Eave Height, Up To 30' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	20.77	4.59
		For 30' To 49' In Length Only, Add	*2.78*	
		For 50' To 69' In Length Only, Add	*1.52*	
		For 70' To 99' In Length Only, Add	*0.63*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.62*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.04*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.56*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.03*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.49*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.95*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.98*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.64*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.60*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0030	GSF	12' Eave Height, Up To 30' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	22.24	5.01
		For 30' To 49' In Length Only, Add	*2.94*	
		For 50' To 69' In Length Only, Add	*1.60*	
		For 70' To 99' In Length Only, Add	*0.66*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.67*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.11*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.67*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.17*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.67*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.23*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.34*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.68*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.65*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0031	GSF	14' Eave Height, Up To 30' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	23.68	5.41
		For 30' To 49' In Length Only, Add	*3.08*	
		For 50' To 69' In Length Only, Add	*1.68*	
		For 70' To 99' In Length Only, Add	*0.69*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.71*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.18*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.78*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.31*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.84*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.50*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.68*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.72*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.70*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0032	GSF	16' Eave Height, Up To 30' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	25.60	5.90
		For 30' To 49' In Length Only, Add	*3.31*	
		For 50' To 69' In Length Only, Add	*1.81*	
		For 70' To 99' In Length Only, Add	*0.75*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.77*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.28*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.92*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.50*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.07*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.86*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.14*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.78*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.75*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0033	GSF	18' Eave Height, Up To 30' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	27.25	6.36
		For 30' To 49' In Length Only, Add	*3.49*	
		For 50' To 69' In Length Only, Add	*1.90*	
		For 70' To 99' In Length Only, Add	*0.79*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.82*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.36*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.04*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.66*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.27*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.18*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.54*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.83*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.80*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0034	GSF	20' Eave Height, Up To 30' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	28.89	6.81
		For 30' To 49' In Length Only, Add	*3.66*	
		For 50' To 69' In Length Only, Add	*2.00*	
		For 70' To 99' In Length Only, Add	*0.82*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.87*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.44*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.17*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.82*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.47*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.49*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.93*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.87*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.85*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0035	GSF	24' Eave Height, Up To 30' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	32.26	7.78
		For 30' To 49' In Length Only, Add	*4.01*	
		For 50' To 69' In Length Only, Add	*2.19*	
		For 70' To 99' In Length Only, Add	*0.90*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.97*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.61*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.42*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*3.15*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.87*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*6.13*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*7.74*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.97*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.96*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0036		**>30' To 40' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings** *(13 34 19 00-0027)*		
13 34 19 00-0037	GSF	10' Eave Height, >30' To 40' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	18.77	4.07
		For 30' To 49' In Length Only, Add	*2.56*	
		For 50' To 69' In Length Only, Add	*1.40*	
		For 70' To 99' In Length Only, Add	*0.58*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.56*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.94*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.41*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.83*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.25*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.57*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.50*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.58*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.55*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0038	GSF	12' Eave Height, >30' To 40' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	19.96	4.43
		For 30' To 49' In Length Only, Add	*2.66*	
		For 50' To 69' In Length Only, Add	*1.45*	
		For 70' To 99' In Length Only, Add	*0.60*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.60*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.00*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.50*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.95*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.40*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.79*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.79*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.61*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.59*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0039	GSF	14' Eave Height, >30' To 40' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	21.13	4.80
		For 30' To 49' In Length Only, Add	*2.76*	
		For 50' To 69' In Length Only, Add	*1.51*	
		For 70' To 99' In Length Only, Add	*0.62*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.63*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.06*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.58*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.06*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.54*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.01*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.07*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.64*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.63*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0040	GSF	16' Eave Height, >30' To 40' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	22.44	5.16
		For 30' To 49' In Length Only, Add	*2.91*	
		For 50' To 69' In Length Only, Add	*1.59*	
		For 70' To 99' In Length Only, Add	*0.66*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.67*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.12*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.68*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.19*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.69*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.26*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.39*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.68*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.67*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0041	GSF	18' Eave Height, >30' To 40' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	23.76	5.52
		For 30' To 49' In Length Only, Add	*3.05*	
		For 50' To 69' In Length Only, Add	*1.66*	
		For 70' To 99' In Length Only, Add	*0.69*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.71*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.19*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.78*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.32*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.85*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.51*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.70*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.72*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.71*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0042	GSF	20' Eave Height, >30' To 40' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	25.03	5.90
		For 30' To 49' In Length Only, Add	*3.18*	
		For 50' To 69' In Length Only, Add	*1.73*	
		For 70' To 99' In Length Only, Add	*0.71*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.75*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.25*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.88*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.44*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.00*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.76*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.01*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.76*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.75*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0043	GSF	24' Eave Height, >30' To 40' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	27.95	6.72
		For 30' To 49' In Length Only, Add	*3.48*	
		For 50' To 69' In Length Only, Add	*1.90*	
		For 70' To 99' In Length Only, Add	*0.78*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.84*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.40*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.10*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.73*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.35*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.31*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.71*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.84*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.84*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0044		>40' To 80' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings *(13 34 19 00-0027)*		
13 34 19 00-0045	GSF	10' Eave Height, >40' To 80' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	16.55	3.19
		For 30' To 49' In Length Only, Add	*2.44*	
		For 50' To 69' In Length Only, Add	*1.33*	
		For 70' To 99' In Length Only, Add	*0.55*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.50*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.83*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.24*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.61*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.99*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.14*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.97*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.52*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.45*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0046	GSF	12' Eave Height, >40' To 80' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	17.40	3.41
		For 30' To 49' In Length Only, Add	*2.54*	
		For 50' To 69' In Length Only, Add	*1.39*	
		For 70' To 99' In Length Only, Add	*0.57*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.52*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.87*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.31*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.70*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.09*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.31*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.18*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.54*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.47*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0047	GSF 14' Eave Height, >40' To 80' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	18.25	3.62
	For 30' To 49' In Length Only, Add	*2.64*	
	For 50' To 69' In Length Only, Add	*1.44*	
	For 70' To 99' In Length Only, Add	*0.59*	
	For >1 In 12 Slope To 3 In 12 Slope, Add	*0.55*	
	For >3 In 12 Slope To 5 In 12 Slope, Add	*0.91*	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.37*	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.78*	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.19*	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.47*	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.38*	
	For Each SF Of 24 Gauge Wall Panel, Add	*0.57*	
	For Each SF Of Lap Roof, Deduct	*-0.76*	
	For Each SF Of Hip Roof, Add	*0.50*	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0048	GSF 16' Eave Height, >40' To 80' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	19.16	3.84
	For 30' To 49' In Length Only, Add	*2.75*	
	For 50' To 69' In Length Only, Add	*1.50*	
	For 70' To 99' In Length Only, Add	*0.62*	
	For >1 In 12 Slope To 3 In 12 Slope, Add	*0.57*	
	For >3 In 12 Slope To 5 In 12 Slope, Add	*0.96*	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.44*	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.87*	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.30*	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.64*	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.60*	
	For Each SF Of 24 Gauge Wall Panel, Add	*0.59*	
	For Each SF Of Lap Roof, Deduct	*-0.76*	
	For Each SF Of Hip Roof, Add	*0.52*	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0049	GSF 18' Eave Height, >40' To 80' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	20.31	4.11
	For 30' To 49' In Length Only, Add	*2.90*	
	For 50' To 69' In Length Only, Add	*1.59*	
	For 70' To 99' In Length Only, Add	*0.65*	
	For >1 In 12 Slope To 3 In 12 Slope, Add	*0.61*	
	For >3 In 12 Slope To 5 In 12 Slope, Add	*1.02*	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.52*	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.98*	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.44*	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.86*	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.87*	
	For Each SF Of 24 Gauge Wall Panel, Add	*0.63*	
	For Each SF Of Lap Roof, Deduct	*-0.76*	
	For Each SF Of Hip Roof, Add	*0.55*	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0050	GSF 20' Eave Height, >40' To 80' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	21.37	4.32
	For 30' To 49' In Length Only, Add	*3.06*	
	For 50' To 69' In Length Only, Add	*1.67*	
	For 70' To 99' In Length Only, Add	*0.69*	
	For >1 In 12 Slope To 3 In 12 Slope, Add	*0.64*	
	For >3 In 12 Slope To 5 In 12 Slope, Add	*1.07*	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.60*	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.08*	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.56*	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.06*	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.13*	
	For Each SF Of 24 Gauge Wall Panel, Add	*0.66*	
	For Each SF Of Lap Roof, Deduct	*-0.76*	
	For Each SF Of Hip Roof, Add	*0.58*	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0051	GSF 24' Eave Height, >40' To 80' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	23.79	4.91
	For 30' To 49' In Length Only, Add	*3.35*	
	For 50' To 69' In Length Only, Add	*1.83*	
	For 70' To 99' In Length Only, Add	*0.75*	
	For >1 In 12 Slope To 3 In 12 Slope, Add	*0.71*	
	For >3 In 12 Slope To 5 In 12 Slope, Add	*1.19*	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.78*	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.32*	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.85*	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.52*	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.71*	
	For Each SF Of 24 Gauge Wall Panel, Add	*0.73*	
	For Each SF Of Lap Roof, Deduct	*-0.76*	
	For Each SF Of Hip Roof, Add	*0.64*	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0052 Single Post 2-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0001)*
Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0053 Up To 60' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings
(13 34 19 00-0052)

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0054	GSF	14' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	17.03	3.76
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.51*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.85*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.28*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.66*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.04*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.24*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.09*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.52*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.51*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0055	GSF	16' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	18.16	4.02
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.54*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.91*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.36*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.77*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.18*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.45*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.36*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.56*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.54*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0056	GSF	18' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	19.07	4.23
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.57*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.95*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.43*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.86*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.29*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.62*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.58*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.58*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.57*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0057	GSF	20' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	18.93	3.93
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.57*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.95*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.42*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.85*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.27*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.60*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.54*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.58*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.53*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0058	GSF	24' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	20.47	4.28
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.61*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.02*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.54*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.00*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.46*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.89*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.91*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.63*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.57*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0059 >60' To 80' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0052)*

13 34 19 00-0060	GSF	14' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	15.90	3.32
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.48*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.80*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.19*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.55*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.91*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.02*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.82*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.49*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.47*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0061 GSF 16' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	16.92	3.53
For >1 In 12 Slope To 3 In 12 Slope, Add	*0.51*	
For >3 In 12 Slope To 5 In 12 Slope, Add	*0.85*	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.27*	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.65*	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.03*	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.21*	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.06*	
For Each SF Of 24 Gauge Wall Panel, Add	*0.52*	
For Each SF Of Lap Roof, Deduct	*-0.76*	
For Each SF Of Hip Roof, Add	*0.49*	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0062 GSF 18' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	17.81	3.76
For >1 In 12 Slope To 3 In 12 Slope, Add	*0.53*	
For >3 In 12 Slope To 5 In 12 Slope, Add	*0.89*	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.34*	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.74*	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.14*	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.38*	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.27*	
For Each SF Of 24 Gauge Wall Panel, Add	*0.55*	
For Each SF Of Lap Roof, Deduct	*-0.76*	
For Each SF Of Hip Roof, Add	*0.51*	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0063 GSF 20' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	18.62	3.93
For >1 In 12 Slope To 3 In 12 Slope, Add	*0.56*	
For >3 In 12 Slope To 5 In 12 Slope, Add	*0.93*	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.40*	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.82*	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.23*	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.54*	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.47*	
For Each SF Of 24 Gauge Wall Panel, Add	*0.57*	
For Each SF Of Lap Roof, Deduct	*-0.76*	
For Each SF Of Hip Roof, Add	*0.53*	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0064 GSF 24' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	20.13	4.28
For >1 In 12 Slope To 3 In 12 Slope, Add	*0.60*	
For >3 In 12 Slope To 5 In 12 Slope, Add	*1.01*	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.51*	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.96*	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.42*	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.82*	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.83*	
For Each SF Of 24 Gauge Wall Panel, Add	*0.62*	
For Each SF Of Lap Roof, Deduct	*-0.76*	
For Each SF Of Hip Roof, Add	*0.57*	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0065 >80' To 100' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0052)*

13 34 19 00-0066 GSF 14' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	14.85	2.92
For >1 In 12 Slope To 3 In 12 Slope, Add	*0.45*	
For >3 In 12 Slope To 5 In 12 Slope, Add	*0.74*	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.11*	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.45*	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.78*	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.82*	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.56*	
For Each SF Of 24 Gauge Wall Panel, Add	*0.46*	
For Each SF Of Lap Roof, Deduct	*-0.76*	
For Each SF Of Hip Roof, Add	*0.42*	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0067 GSF 16' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	15.56	3.06
For >1 In 12 Slope To 3 In 12 Slope, Add	*0.47*	
For >3 In 12 Slope To 5 In 12 Slope, Add	*0.78*	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.17*	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.52*	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.87*	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.96*	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.73*	
For Each SF Of 24 Gauge Wall Panel, Add	*0.48*	
For Each SF Of Lap Roof, Deduct	*-0.76*	
For Each SF Of Hip Roof, Add	*0.44*	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0068	GSF	18' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	16.38	3.23
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.49*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.82*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.23*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.60*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.97*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.11*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.93*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.51*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.46*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0069	GSF	20' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	17.08	3.37
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.51*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.85*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.28*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.67*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.05*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.25*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.10*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.53*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.47*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0070	GSF	24' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	18.47	3.67
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.55*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.92*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.39*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.80*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.22*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.51*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.43*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.57*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.50*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0071		>100' To 120' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0052)*		
13 34 19 00-0072	GSF	14' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	14.49	2.80
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.43*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.72*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.09*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.41*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.74*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.75*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.48*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.45*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.41*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0073	GSF	16' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	15.07	2.92
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.45*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.75*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.13*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.47*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.81*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.86*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.62*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.47*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.42*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0074	GSF	18' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	15.76	3.06
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.47*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.79*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.18*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.54*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.89*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.99*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.78*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.49*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.44*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0075	GSF	20' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	16.43	3.19
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.49*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.82*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.23*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.60*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.97*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.12*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.94*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.51*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.45*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0076	GSF	24' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	17.82	3.46
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.53*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.89*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.34*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.74*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.14*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.39*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.28*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.55*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.48*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0077		Double Post 3-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0001)*		
		Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.		
13 34 19 00-0078		Up To 120' Wide Double Post 3-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0077)*		
13 34 19 00-0079	GSF	14' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	14.28	2.92
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.43*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.71*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.07*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.39*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.71*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.71*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.43*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.44*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.42*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0080	GSF	16' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	14.82	3.06
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.44*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.74*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.11*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.44*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.78*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.82*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.56*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.46*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.44*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0081	GSF	18' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	14.96	2.97
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.45*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.75*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.12*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.46*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.80*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.84*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.59*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.46*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.43*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0082	GSF	20' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	15.55	3.10
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.47*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.78*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.17*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.52*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.87*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.95*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.73*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.48*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.44*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0083	GSF	24' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	17.58	3.32
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.53*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.88*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.32*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.71*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.11*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.34*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.22*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.55*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.47*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0084 >120' To 150' Wide Double Post 3-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0077)*

13 34 19 00-0085	GSF	14' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	13.55	2.67
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.41*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.68*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.02*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.32*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.63*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.57*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.25*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.42*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.39*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0086	GSF	16' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	14.01	2.76
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.42*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.70*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.05*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.37*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.68*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.66*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.36*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.44*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.40*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0087	GSF	18' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	14.54	2.86
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.44*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.73*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.09*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.42*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.74*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.76*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.49*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.45*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.41*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0088	GSF	20' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	15.05	2.97
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.45*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.75*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.13*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.47*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.81*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.86*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.61*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.47*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.43*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0089	GSF	24' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	17.06	3.19
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.51*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.85*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.28*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.66*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.05*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.24*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.09*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.53*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.45*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0090 Triple Post 4-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0001)*

Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0091 Up To 160' Wide Triple Post 4-Span Frame Pre-Engineered Metal Building *(13 34 19 00-0090)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0092	GSF	14' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	13.03	2.53
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.39*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.65*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*0.98*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.27*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.56*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.48*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.13*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.41*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.38*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0093	GSF	16' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	13.58	2.62
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.41*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.68*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.02*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.32*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.63*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.58*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.26*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.42*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.39*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0094	GSF	18' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	14.04	2.71
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.42*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.70*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.05*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.37*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.68*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.67*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.37*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.44*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.40*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0095	GSF	20' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	14.48	2.80
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.43*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.72*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.09*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.41*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.74*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.75*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.48*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.45*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.41*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0096	GSF	24' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	16.47	3.06
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.49*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.82*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.24*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.61*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.98*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.13*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.95*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.52*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.44*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0097 >160' To 180' Wide Triple Post 4-Span Frame Pre-Engineered Metal Building *(13 34 19 00-0090)*

13 34 19 00-0098	GSF	14' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	12.87	2.44
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.39*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.64*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*0.97*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.25*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.54*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.45*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.09*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.40*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.37*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0099	GSF	16' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	13.34	2.53
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.40*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.67*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.00*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.30*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.60*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.53*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.20*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.42*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.38*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0100	GSF	18' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	13.84	2.62
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.42*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.69*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.04*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.35*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.66*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.63*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.32*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.43*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.39*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0101	GSF	20' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	14.30	2.71
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.43*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.72*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.07*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.39*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.72*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.72*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.43*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.45*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.40*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0102	GSF	24' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	16.22	2.92
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.49*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.81*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.22*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.58*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.95*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.08*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.89*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.51*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.42*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0103		>180' To 200' Wide Triple Post 4-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0090)*		
13 34 19 00-0104	GSF	14' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	12.75	2.36
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.38*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.64*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*0.96*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.24*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.53*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.42*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.06*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.40*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.36*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0105	GSF	16' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	13.11	2.44
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.39*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.66*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*0.98*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.28*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.57*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.49*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.15*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.41*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.37*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0106	GSF	18' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	13.63	2.53
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.41*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.68*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.02*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.33*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.64*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.59*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.27*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.43*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.38*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0107	GSF	20' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	14.13	2.62
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.42*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.71*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.06*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.38*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.70*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.68*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.39*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.44*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.39*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0108	GSF	24' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	16.05	2.84
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.48*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.80*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.20*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.56*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.93*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.05*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.85*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.50*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.41*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0109 Metal Building Options *(13 34 19 00-0001)*

Note: For use with metal buildings only. See CSI section 08 12 13 13-0000 for metal door frames, 08 13 13 13-0000 for metal doors, 08 33 23 00-0000 for coiling roll-up doors, 08 36 13 00-0000 for sectional doors, 08 51 13 00-0065 for sliding windows, 08 71 16 00-0000 for door hardware.

13 34 19 00-0110 Metal Framing For Rough Openings *(13 34 19 00-0109)*

13 34 19 00-0111	EA	Single Door, Metal Frame Rough Opening	306.90	97.84
13 34 19 00-0112	EA	Double Door, Metal Frame Rough Opening	451.98	126.67
13 34 19 00-0113	EA	10' x 10' Overhead Door, Metal Frame Rough Opening	505.43	120.12
13 34 19 00-0114	EA	12' x 12' Overhead Door, Metal Frame Rough Opening	541.43	122.30
13 34 19 00-0115	EA	14' x 14' Overhead Door, Metal Frame Rough Opening	572.11	126.67
13 34 19 00-0116	EA	Up To 12 SF, Window Opening, Metal Frame Rough Opening	298.35	97.84
13 34 19 00-0117	EA	>12 To 18 SF, Window Opening, Metal Frame Rough Opening	336.13	111.21
13 34 19 00-0118	LF	Additional Girts	8.12	

13 34 19 00-0119 Wall Panel Options For Metal Buildings *(13 34 19 00-0109)*

Note: Upgrade from 26 gauge wall panels.

13 34 19 00-0120	SF	Upgrade To 2" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile Note: 24 gauge exterior and 24 gauge interior panels.	8.00	
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
13 34 19 00-0121	SF	Upgrade To 2-1/2" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile Note: 24 gauge exterior and 24 gauge interior panels.	9.83	
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
13 34 19 00-0122	SF	Upgrade To 3" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile Note: 24 gauge exterior and 24 gauge interior panels.	11.51	
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
13 34 19 00-0123	SF	Upgrade To 4" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile Note: 24 gauge exterior and 24 gauge interior panels.	13.47	
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	

13 34 19 00-0124 Roofing Options For Metal Buildings *(13 34 19 00-0109)*

Note: Upgrade from 26 gauge standing seam roof panels.

13 34 19 00-0125	SF	Upgrade To 24 Gauge Galvanized Steel Standing Seam Roof	0.76	
13 34 19 00-0126	SF	Upgrade To 4" Thick Insulated Roof Panel, Metal-Span III, CFR-42 Note: 24 gauge exterior and 24 gauge interior panels.	11.91	
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
13 34 19 00-0127	SF	Upgrade To 5" Thick Insulated Roof Panel, Metal-Span III, CFR-42 Note: 24 gauge exterior and 24 gauge interior panels.	12.84	
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0128	SF	Upgrade To 6" Thick Insulated Roof Panel, Metal-Span III, CFR-42 Note: 24 gauge exterior and 24 gauge interior panels.	13.60	
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
13 34 19 00-0129	EA	3' x 10' Translucent Fiberglass Panels	119.75	37.57
13 34 19 00-0130	LF	Vented Ridge Vent For Standing Seam Roof	22.61	
13 34 19 00-0131		**Insulation For Metal Buildings** *(13 34 19 00-0109)*		
13 34 19 00-0132	SF	1-1/2" Thick, R-5.5, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	0.88	0.24
13 34 19 00-0133	SF	2-1/2" Thick, R-8, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	0.97	0.24
13 34 19 00-0134	SF	3-1/2" Thick, R-11, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.11	0.33
13 34 19 00-0135	SF	3-1/2" Thick, R-13, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.28	0.33
13 34 19 00-0136	SF	6" Thick, R-19, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.60	0.33
13 34 19 00-0137	SF	1-1/2" Thick, R-5.5, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.06	0.24
13 34 19 00-0138	SF	2-1/2" Thick, R-8, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.16	0.24
13 34 19 00-0139	SF	3-1/2" Thick, R-11, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.26	0.33
13 34 19 00-0140	SF	3-1/2" Thick, R-13, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.39	0.33
13 34 19 00-0141	SF	6" Thick, R-19, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.66	0.33
13 34 19 00-0142	SF	1-1/2" Thick, R-5.5, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	1.01	0.24
13 34 19 00-0143	SF	2-1/2" Thick, R-8, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	1.12	0.24
13 34 19 00-0144	SF	3-1/2" Thick, R-11, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	1.33	0.33
13 34 19 00-0145	SF	3-1/2" Thick, R-13, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	1.47	0.33
13 34 19 00-0146	SF	6" Thick, R-19, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	1.71	0.33
13 34 19 00-0147	SF	2" Thick, R-6.5, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	0.94	0.24
13 34 19 00-0148	SF	3" Thick, R-10, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	0.99	0.24
13 34 19 00-0149	SF	4" Thick, R-13, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.12	0.33
13 34 19 00-0150	SF	6" Thick, R-19, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.40	0.33
13 34 19 00-0151	SF	2" Thick, R-6.5, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	0.95	0.24
13 34 19 00-0152	SF	3" Thick, R-10, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	1.01	0.24
13 34 19 00-0153	SF	4" Thick, R-13, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	1.14	0.33
13 34 19 00-0154	SF	6" Thick, R-19, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	1.43	0.33
13 34 19 00-0155	SF	2" Thick, R-6.5, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	1.26	0.24
13 34 19 00-0156	SF	3" Thick, R-10, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	1.34	0.24
13 34 19 00-0157	SF	4" Thick, R-13, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	1.48	0.33
13 34 19 00-0158	SF	6" Thick, R-19, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	1.76	0.33
13 34 19 00-0159		**Eave And Overhang Options For Metal Buildings** *(13 34 19 00-0109)*		
13 34 19 00-0160	LF	2' End Wall Roof Overhang And 26 Gauge Soffit	38.27	6.81
13 34 19 00-0161	LF	4' End Wall Roof Overhang And 26 Gauge Soffit	58.15	4.89
13 34 19 00-0162	SF	Up To 20 SF, Prefinished Aluminum, Wall Hung Canopy Note: Up to 7' projection from wall. Includes finished underside and edges.	53.33	10.92
		For End Braced (Up To 16' Wall Projection), Add	*12.24*	
		For Overhead Braced (Up To 10' Wall Projection), Add	*6.91*	
13 34 19 00-0163	SF	>20 To 50 SF, Prefinished Aluminum, Wall Hung Canopy Note: Up to 7' projection from wall. Includes finished underside and edges.	44.58	9.18
		For End Braced (Up To 16' Wall Projection), Add	*10.23*	
		For Overhead Braced (Up To 10' Wall Projection), Add	*5.77*	
13 34 19 00-0164	SF	>50 SF, Prefinished Aluminum, Wall Hung Canopy Note: Up to 7' projection from wall. Includes finished underside and edges.	34.40	7.87
		For End Braced (Up To 16' Wall Projection), Add	*7.81*	
		For Overhead Braced (Up To 10' Wall Projection), Add	*4.37*	
13 34 19 00-0165	SF	Up To 50 SF, Prefinished Aluminum, Free Standing Canopy Note: Includes finished underside and edges.	67.24	16.60
13 34 19 00-0166	SF	>50 SF, Prefinished Aluminum, Free Standing Canopy Note: Includes finished underside and edges.	44.46	10.04
13 34 19 00-0167	LF	1' Standard Eave Overhang Without Soffit	25.43	
13 34 19 00-0168	LF	2' Standard Eave Overhang Without Soffit	31.74	
13 34 19 00-0169	LF	3' Standard Eave Overhang Without Soffit	38.33	
13 34 19 00-0170	LF	4' Standard Eave Overhang Without Soffit	44.80	
13 34 19 00-0171	LF	6' Standard Eave Overhang Without Soffit	57.09	
13 34 19 00-0172	LF	1' Standard Eave Overhang And 26 Gauge Soffit	33.59	
		For 24 Gauge, Add	*3.36*	
13 34 19 00-0173	LF	2' Standard Eave Overhang And 26 Gauge Soffit	41.89	
		For 24 Gauge, Add	*4.24*	
13 34 19 00-0174	LF	3' Standard Eave Overhang And 26 Gauge Soffit	50.45	
		For 24 Gauge, Add	*5.08*	
13 34 19 00-0175	LF	4' Standard Eave Overhang And 26 Gauge Soffit	59.03	
		For 24 Gauge, Add	*5.92*	
13 34 19 00-0176	LF	6' Standard Eave Overhang And 26 Gauge Soffit	75.30	
		For 24 Gauge, Add	*7.63*	
13 34 19 00-0177		**Louvers And Vents For Metal Buildings** *(13 34 19 00-0109)*		
13 34 19 00-0178	EA	4' x 3' Fixed Louver	441.54	136.28
13 34 19 00-0179	EA	12" Rotary Vent With Damper	270.80	87.36
13 34 19 00-0180	EA	20" Rotary Vent With Damper	455.13	116.62
13 34 19 00-0181	EA	24" Rotary Vent With Damper	589.03	131.03
13 34 19 00-0182	EA	Gravity Ridge Ventilator With Birdscreen, 9" Throat x 10'	689.74	174.72
13 34 19 00-0183	EA	Gravity Ridge Ventilator With Birdscreen, 12" Throat x 10'	728.47	174.72
13 34 19 00-0184	EA	Ridge Ventilator - 9" Throat X 10 Ft, Manually Operated Damper With Birdscreen	829.85	174.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0185	EA	Ridge Ventilator - 12" Throat X 10 Ft, Manually Operated Damper With Birdscreen	896.57	174.72
13 34 19 00-0186	EA	Ridge Ventilator - 15" Throat X 10 Ft, Manually Operated Damper With Birdscreen	969.97	174.72
13 34 19 00-0187	EA	Ridge Ventilator - 18" Throat X 10 Ft, Manually Operated Damper With Birdscreen	1,043.37	174.72
13 34 19 00-0188	EA	Ridge Ventilator - 9" Throat X 10 Ft, Motor Operated Damper With Birdscreen	1,364.27	218.40
13 34 19 00-0189	EA	Ridge Ventilator - 12" Throat X 10 Ft, Motor Operated Damper With Birdscreen	1,484.37	218.40
13 34 19 00-0190		Gutters And Downspouts For Metal Buildings *(13 34 19 00-0109)*		
13 34 19 00-0191	LF	Pre-Engineered Standard Type Gutter, Painted	9.72	2.19
		For Galvanized Instead Of Painted, Deduct	*-1.34*	
13 34 19 00-0192	LF	Pre-Engineered Standard Type Downspout, Painted	8.25	3.06
		For Galvanized Instead Of Painted, Deduct	*-0.54*	
13 34 23		**Fabricated Structures** *(13 34)*		
13 34 23 13		**Portable And Mobile Buildings** *(13 34 23)*		
		Note: Includes material, delivery to site, factory design analysis and report, shop drawings and assembly of building on site. Tie down with hurricane anchors on approved foundation. Excludes utility hook-ups and foundation.		
13 34 23 13-0001		Prefabricated Signal, Communication Or Electrical Building *(13 34 23 13)*		
		Note: Complete, includes door, roof, lights and wiring, insulation, painted.		
13 34 23 13-0002	SF	15 SF To 29 SF Prefabricated Signal, Communication Or Electrical Building	448.55	
13 34 23 13-0003	SF	30 SF To 49 SF Prefabricated Signal, Communication Or Electrical Building	384.72	
13 34 23 13-0004	SF	50 SF To 79 SF Prefabricated Signal, Communication Or Electrical Building	307.92	
13 34 23 13-0005	SF	80 SF To 99 SF Prefabricated Signal, Communication Or Electrical Building	243.66	
13 34 23 13-0006	SF	100 SF To 144 SF Prefabricated Signal, Communication Or Electrical Building	217.80	
13 34 23 13-0007		Relocate Trailer Within 5 Miles *(13 34 23 13)*		
		Note: Includes removal of tie-downs and underpins. Set-up tie-downs.		
13 34 23 13-0008	EA	Relocate Single Trailer Within 5 Miles	887.00	
13 34 23 13-0009	SF	Install Under-Pinning	2.53	
13 34 23 13-0010		Temporary Trailers 1 To 6 Years Life *(13 34 23 13)*		
		Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, phone jacks, two wooden landings, stairs, and handrails. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities.		
13 34 23 13-0011	SF	Single Trailer Up To 14' x 73'	33.77	
		For Each Delivery And Set-Up (Block And Level), Add	*1,205.65*	
		For Each Knock-Down And Pick-Up, Add	*925.65*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*110.00*	
13 34 23 13-0012	SF	Modular Trailers, Connected	47.28	
		For Each Anchoring Into Asphalt Or Concrete, Add	*110.00*	
		For Each Delivery And Set-Up (Block And Level), Add	*2,635.45*	
		For Each Knock-Down And Pick-Up, Add	*1,985.45*	
13 34 23 13-0013	EA	Add Per Additional Exterior Door With Frame And Hardware	506.53	
13 34 23 13-0014		Accessories *(13 34 23 13)*		
13 34 23 13-0015		Skirting *(13 34 23 13-0014)*		
		Note: Includes 2" x 4" wood framing 16" on center.		
13 34 23 13-0016		Vinyl Covered, Exterior Only *(13 34 23 13-0015)*		
13 34 23 13-0017	SF	1'-8" High Vinyl Covered Skirt	3.23	1.34
13 34 23 13-0018	SF	3' High Vinyl Covered Skirt	4.83	2.21
13 34 23 13-0019		Fiberglass, Exterior Only *(13 34 23 13-0015)*		
13 34 23 13-0020	SF	1'-8" High Fiberglass Skirt	5.87	2.53
13 34 23 13-0021	SF	3' High Fiberglass Skirt	6.88	3.08
13 34 23 13-0022		Plywood, Exterior Only *(13 34 23 13-0015)*		
13 34 23 13-0023	SF	1'-8" High 5/8" Plywood Skirt	5.72	2.68
13 34 23 13-0024	SF	3' High 5/8" Plywood Skirt	6.79	3.24
13 34 23 13-0025		Steel, Painted, Exterior Only *(13 34 23 13-0015)*		
13 34 23 13-0026	SF	1'-8" High 26 Gauge Steel Skirt	6.33	2.53
13 34 23 13-0027	SF	3' High 26 Ga. Steel Skirt	7.40	3.08
13 34 23 13-0028		14" x 14" Access Hatch *(13 34 23 13-0014)*		
		Note: Simple design.		
13 34 23 13-0029	EA	14" x 14" Vinyl Covered Access Hatch	158.12	59.23
13 34 23 13-0030	EA	14" x 14" Fiberglass Access Hatch	138.82	59.23
13 34 23 13-0031	EA	14" x 14" Plywood Access Hatch	157.16	59.23
13 34 23 13-0032	EA	14" x 14" 26 Gauge Steel Access Hatch	157.94	59.23

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 23 13-0033		Aluminum Modular Access Ramp *(13 34 23 13-0014)* Note: Includes picketed guardrails, inside grabrails, legs and hardware.		
13 34 23 13-0034	EA	72" Long x 52-1/4" Wide Ramp Section, Aluminum Modular Access Ramp	1,860.88	19.75
13 34 23 13-0035	EA	60-1/4" Long x 61-3/4" Wide Door Landing Section, Aluminum Modular Access Ramp	1,884.57	25.67
13 34 23 13-0036	EA	60-1/4" Long x 123-1/2" Wide Switchback Landing Section, Aluminum Modular Access Ramp	3,868.62	39.49
13 34 23 13-0037	EA	110-3/4" Long x 72" Wide Switchback Landing Section, Aluminum Modular Access Ramp	4,166.07	39.49
13 34 23 13-0038	EA	60-1/4" Long x 61-3/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp	1,958.93	25.67
13 34 23 13-0039	EA	71-3/4" Long x 52-1/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp	1,935.24	19.75
13 34 23 13-0040	EA	84-1/2" Long x 61-3/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp	2,700.69	25.67
13 34 23 13-0041	EA	30" High x 82" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	1,922.68	25.67
13 34 23 13-0042	EA	35" High x 96" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	1,922.68	25.67
13 34 23 13-0043	EA	42" High x 110" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	2,185.73	25.67
13 34 23 13-0044	EA	49" High x 124" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	2,446.93	25.67
13 34 23 14		**Fabricated Classroom Buildings** *(13 34 23)*		
13 34 23 14-0001		Semi Permanent Modular Transportable Buildings *(13 34 23 14)*		
13 34 23 14-0002	SF	Portable Classrooms, Complete With Doors, Windows, Fixtures, Toilets And Workroom	50.32	
		For Each Anchoring Into Asphalt Or Concrete, Add	*110.00*	
		For Each Delivery And Set-Up (Block And Level), Add	*2,635.45*	
		For Each Knock-Down And Pick-Up, Add	*1,985.45*	
13 34 23 14-0003	SF	Modular Classroom, Connected, Complete With Doors, Windows, Fixtures, Toilets And Teachers Work Room	51.80	
		For Each Anchoring Into Asphalt Or Concrete, Add	*110.00*	
		For Each Delivery And Set-Up (Block And Level), Add	*2,635.45*	
		For Each Knock-Down And Pick-Up, Add	*1,985.45*	
13 34 23 16		**Fabricated Control Booths** *(13 34 23)*		
13 34 23 16-0001		Fabricated Parking Attendant Booths *(13 34 23 16)* Note: Excludes foundations and slab.		
13 34 23 16-0002	EA	Parking Booth For Attendant	1,053.32	
13 34 23 31		**Fabricated Pavilion Style Buildings** *(13 34 23)*		
13 34 23 31-0001		Pavilion Style Metal Shelter Structures *(13 34 23 31)* Note: Prefabricated open structure system, complete with all necessary hardware. Hip roof, steel structural rafters and columns, urethane/polyester (TGIC) powder finish, aluminum roof decking, 8' height at perimeter. Excludes foundations and slab. Americana or equal.		
13 34 23 31-0002	EA	12' x 12' Metal Shelter Structure	7,595.02	1,675.20
13 34 23 31-0003	EA	16' x 16' Metal Shelter Structure	8,865.68	1,748.05
13 34 23 31-0004	EA	16' x 32' Metal Shelter Structure	11,219.24	1,864.60
13 34 23 31-0005	EA	20' x 20' Metal Shelter Structure	10,551.60	1,806.32
13 34 23 31-0006	EA	20' x 30' Metal Shelter Structure	12,992.07	1,981.13
13 34 23 31-0007	EA	20' x 40' Metal Shelter Structure	15,403.65	2,039.40
13 34 23 31-0008	EA	24' x 24' Metal Shelter Structure	12,816.97	1,864.60
13 34 23 31-0009	EA	24' x 48' Metal Shelter Structure	18,019.16	2,330.74
13 34 23 31-0010	EA	30' x 30' Metal Shelter Structure	17,344.18	2,330.74
13 34 23 31-0011	EA	30' x 60' Metal Shelter Structure	31,384.08	2,913.42
13 34 23 31-0012	EA	40' x 40' Metal Shelter Structure	29,383.14	3,641.13
13 34 23 31-0013	EA	40' x 60' Metal Shelter Structure	42,136.64	4,078.79

13 40 Integrated Construction *(13)*

13 42 Building Modules *(13 40)*

13 42 63 Detention Cell Modules *(13 42)*

13 42 63 16 Steel Detention Cell Modules *(13 42 63)*

13 42 63 16-0001	EA	Bar Front, Rolling, 7/8" Bars, 4" On Center, 7' High, 5' Wide Note: With hardware.	8,218.80	687.43
13 42 63 16-0002	EA	Cells, Prefabricated, 5'-6' Wide, 7'-8' High, Bar Front, Cot Note: Not including plumbing.	16,160.33	920.49
13 42 63 16-0003	SF	Temporary Holding Cell, 1/4" Woven Rod Panels On 2" Centers Note: Includes 12 gauge steel frame and concealment plates.	70.42	6.52
13 42 63 16-0004	SF	Solid Security Ceiling, 14 Gauge Formed Steel Channels Note: 20" wide, 14 gauge galvannealed steel face sheet, 10 gauge steel wall angle, backed polyester powder finish.	53.98	6.52
13 42 63 16-0005	SF	Perforated Metal Crime Shield	49.57	2.69

13 47 Facility Protection *(13 40)*

13 47 13 Cathodic Protection *(13 47)*

13 47 13 13 Cathodic Protection for Underground and Submerged Piping *(13 47 13)*

13 47 13 13-0001 Anodes *(13 47 13 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 47 13 13-0002		Magnesium Type, Conventional *(13 47 13 13-0001)*		
13 47 13 13-0003	EA	9 LB Magnesium Type Anodes	276.62	118.69
13 47 13 13-0004	EA	17 LB Magnesium Type Anodes	411.82	171.54
13 47 13 13-0005	EA	32 LB Magnesium Type Anode	566.38	220.69
13 47 13 13-0006	EA	48 LB Magnesium Type Anode	808.05	308.78
13 47 13 13-0007		Graphite Type *(13 47 13 13-0001)*		
		Note: Includes epoxy cap.		
13 47 13 13-0008	EA	3" x 60" (32 LB) Graphite Type Anodes With Epoxy Cap	417.87	167.02
13 47 13 13-0009	EA	4" x 80" (68 LB) Graphite Type Anodes With Epoxy Cap	659.94	233.22
13 47 13 13-0010	EA	6" x 36" (45 LB) Graphite Type Anodes With Epoxy Cap	506.55	145.95
13 47 13 13-0011	EA	6" x 72" (80 LB) Graphite Type Anodes With Epoxy Cap	785.99	194.85
13 47 13 13-0012		Rectifiers *(13 47 13 13)*		
13 47 13 13-0013		Air Cooled, Silicon Type *(13 47 13 13-0012)*		
13 47 13 13-0014	EA	Air Cooled Rectifiers, 28 Volt, 10 Amp Silicon Type	1,272.55	237.00
13 47 13 13-0015	EA	Air Cooled Rectifiers, 20 Volt / 20 Amp Silicon Type	1,372.20	237.00
13 47 13 13-0016		Oil Immersed, Silicon Type *(13 47 13 13-0012)*		
13 47 13 13-0017	EA	Oil Immersed Rectifiers, 28 Volt, 10 Amp Silicon Type	1,899.87	274.04
13 47 13 13-0018	EA	Oil Immersed Rectifiers, 20 Volt / 20 Amp Silicon Type	2,006.65	274.04
13 47 13 13-0019		Anode Backfill *(13 47 13 13)*		
13 47 13 13-0020	LB	Anode Backfill, Coke Breeze	0.80	0.30
13 47 13 13-0021		Cathodic Protection Cable *(13 47 13 13)*		
13 47 13 13-0022	MLF	Cathodic Protection Cable, OR2 - No 8	1,536.17	583.81
13 47 13 13-0023	MLF	Cathodic Protection Cable, OR2 - No 6	1,699.53	583.81
13 47 13 13-0024	MLF	Cathodic Protection Cable, OR2 - No 4	1,944.57	583.81
13 47 13 13-0025	MLF	Cathodic Protection Cable, OR2 - No 2	2,352.96	583.81
13 47 13 13-0026	MLF	Cathodic Protection Cable, OR2 - No 1	2,917.76	643.24
13 47 13 13-0027	MLF	Cathodic Protection Cable, OR2-No 1/0	3,224.05	643.24
13 47 13 13-0028	MLF	Cathodic Protection Cable, OR2-No 2/0	3,734.54	643.24
13 47 13 13-0029	MLF	Cathodic Protection Cable, OR2-No 4/0	5,075.07	701.17
13 47 13 13-0030		Cathodic Test Stations *(13 47 13 13)*		
13 47 13 13-0031		Flush Curb Box Type With Lockable Cover And Terminal Box *(13 47 13 13-0030)*		
13 47 13 13-0032	EA	Cathodic Test Station, Flush Curb Type With Lockable Cover	220.43	68.30

13 47 13 16 Cathodic Protection for Underground Storage Tank ***(13 47 13)***

See CSI section 13 47 13 13-0000 for cathodic protection for tanks.

13 48 Sound, Vibration, And Seismic Control *(13 40)*

13 48 63 Fabricated Seismic Control Assemblies ***(13 48)***

13 48 63 00-0001		Seismic Bracing Assembly *(13 48 63)*		
13 48 63 00-0002	EA	4-Bolt Deck Anchor Connection For Seismic Brace Note: Includes drilling into concrete, bolts, anchor plate, seismic bracket attached with bolt, nut and washer.	112.60	
13 48 63 00-0003	EA	2 Cable Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.	103.05	
13 48 63 00-0004	EA	3 Cable Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.	154.75	
13 48 63 00-0005	EA	4 Cable Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.	200.54	
13 48 63 00-0006	EA	2 Channel Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.	198.24	
13 48 63 00-0007	EA	3 Channel Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.	294.59	
13 48 63 00-0008	EA	4 Channel Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.	390.93	
13 48 63 00-0009	EA	2 Rod Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.	122.65	
13 48 63 00-0010	EA	3 Rod Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.	181.20	
13 48 63 00-0011	EA	4 Rod Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.	239.74	
13 48 63 00-0012		Seismic Brace Components *(13 48 63)*		
13 48 63 00-0013	EA	1/8" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-1 Note: To be used with 7x19 stranded cable.	19.52	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 48 63 00-0014	EA	3/16" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-2 Note: To be used with 7x19 stranded cable.	26.10	
13 48 63 00-0015	EA	1/4" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-3 Note: To be used with 7x19 stranded cable.	34.01	
13 48 63 00-0016	EA	3/8" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-4 Note: To be used with 7x19 stranded cable.	45.85	
13 48 63 00-0017	EA	Seismic Solid Brace Swivel Anchor; Mason SSB-1 Note: To be used with angle or channel.	18.44	
13 48 63 00-0018	EA	Seismic Solid Brace Swivel Anchor; Mason SSB-2 Note: To be used with angle or channel.	24.24	
13 48 63 00-0019	EA	Seismic Solid Brace Swivel Anchor; Mason SSB-3 Note: To be used with angle or channel.	31.28	
13 48 63 00-0020	EA	Seismic Solid Brace Swivel Anchor; Mason SSB-4 Note: To be used with angle or channel.	41.63	
13 48 63 00-0021	EA	1/8" Cable Diameter Seismic Cable Brace Hook Anchor; Mason SCBH-1 Note: To be used with 7x19 stranded cable.	21.96	
13 48 63 00-0022	EA	3/16" Cable Diameter Seismic Cable Brace Hook Anchor; Mason SCBH-2 Note: To be used with 7x19 stranded cable.	28.38	
13 48 63 00-0023	EA	1/4" Cable Diameter Seismic Cable Brace Hook Anchor; Mason SCBH-3 Note: To be used with 7x19 stranded cable.	38.73	
13 48 63 00-0024	EA	1/8" Cable Diameter Seismic Cable Brace Vise Anchor; Mason SCBV-1 Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	37.07	
13 48 63 00-0025	EA	3/16" Cable Diameter Seismic Cable Brace Vise Anchor; Mason SCBV-2 Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	51.36	
13 48 63 00-0026	EA	1/4" Cable Diameter Seismic Cable Brace Vise Anchor; Mason SCBV-3 Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	69.37	
13 48 63 00-0027	EA	Seismic Rod Clamp; Mason SRC-1 Note: To be used on 3/8" through 5/8" rod. 1" x 1" x 1/4" Angle or Stiffener not included.	16.04	
13 48 63 00-0028	EA	Seismic Rod Clamp; Mason SRC-1 1/2 Note: To be used on 3/8" through 1" rod. 1-1/2" x 1-1/2" x 1/4" Angle or Stiffener not included.	19.35	
13 48 63 00-0029	EA	Seismic Rod Clamp; Mason SRC-2 Note: To be used on 3/8" through 1-1/4" rod. 2" x 2" x 1/4" Angle or Stiffener not included.	23.91	
13 48 63 00-0030		Seismic Restraints *(13 48 63)*		
13 48 63 00-0031	EA	1" x 1" Seismic Fastener, Gray, Drilled With 0.187 Diameter Hole Note: Adhesive applied.	3.09	0.78
13 48 63 00-0032	EA	1" x 1" Seismic Fastener, Gray, Adhesive Applied	2.30	0.39
13 48 63 00-0033	EA	1" x 2" Seismic Fastener, Gray, Drilled With (2) 0.187 Diameter Hole Note: Adhesive applied.	4.02	0.98
13 48 63 00-0034	EA	1" x 2" Seismic Fastener, Gray, Adhesive Applied	2.94	0.49
13 48 63 00-0035	EA	2" x 2" Seismic Fastener, Gray, Adhesive Applied	3.71	0.56
13 48 63 00-0036	EA	2" x 3" Seismic Fastener, Gray, Adhesive Applied	6.10	0.68
13 48 63 00-0037	LF	3/4" Wide Seismic Strap, Gray	155.44	0.58
13 48 63 00-0038	LF	1" Wide Seismic Strap, Gray	271.43	0.58
13 48 63 00-0039	EA	3/4" Wide x 4" Long Seismic Strap, Gray	1.35	0.39
13 48 63 00-0040	EA	3/4" Wide x 12" Long Seismic Strap, Gray	5.87	1.18
13 48 63 00-0041	LF	Seismic Chord, Black	278.38	0.58
13 48 63 00-0042	LF	SAFELOK Seismic Fastener, Black	2.22	0.58

13 49 Radiation Protection *(13 40)*

13 49 13 Integrated X-Ray Shielding Assemblies *(13 49)*

13 49 13 00-0001 Lead Shielding *(13 49 13)*

See CSI section 09 29 00 00-0054 for finishing tasks.

13 49 13 00-0002	SF	1/16" Sheet Lead Shielding	16.58	4.70
13 49 13 00-0003	SF	1/8" Sheet Lead Shielding	24.53	5.09
13 49 13 00-0004	SF	1/4" Sheet Lead Shielding	39.19	5.49
13 49 13 00-0005	SF	1/2" Sheet Lead Shielding	70.54	7.05

13 49 16 Modular X-Ray Shielding Rooms *(13 49)*

13 49 16 00-0001 X-Ray Barriers, Modular *(13 49 16)*

Note: Panels mounted within framework for attaching to floor, wall or ceiling, upper portion is clear lead plastic window panels 48" high, lower portion is opaque leaded steel panels 36" high. Excludes structural supports.

13 49 16 00-0002 1-Section Barrier, 36"W x 84"H *(13 49 16 00-0001)*

13 49 16 00-0003	EA	0.5mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High	2,506.99	101.58
13 49 16 00-0004	EA	0.8mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High	2,654.67	101.58
13 49 16 00-0005	EA	1.0mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High	2,754.37	121.90
13 49 16 00-0006	EA	1.5mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High	2,931.59	121.90

13 49 16 00-0007 2-Section Barrier, 72"W x 84"H *(13 49 16 00-0001)*

13 49 16 00-0008	EA	0.5mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H	5,316.68	162.53
13 49 16 00-0009	EA	0.8mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H	5,523.43	162.53
13 49 16 00-0010	EA	1.0mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H	5,711.79	182.84
13 49 16 00-0011	EA	1.5mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H	6,165.88	203.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 49 16 00-0012		3-Section Barrier, 108"W x 84"H *(13 49 16 00-0001)*		
13 49 16 00-0013	EA	0.5mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H	8,026.67	203.16
13 49 16 00-0014	EA	0.8mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H	8,410.64	203.16
13 49 16 00-0015	EA	1.0mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H	8,639.59	243.79
13 49 16 00-0016	EA	1.5mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H	9,270.88	264.11
13 49 16 00-0017		X-Ray Barriers, Mobile *(13 49 16)*		
		Note: Mounted within framework with casters on bottom, clear lead plastic window panels on upper portion, opaque on lower.		
13 49 16 00-0018		30"W x 75"H, Includes Framework *(13 49 16 00-0017)*		
13 49 16 00-0019	EA	24"H Upper With 0.5mm LE, 48"H Lower With 0.8mm LE Mobile X-Ray Barriers	1,663.67	19.58
13 49 16 00-0020		48"W x 75"H, Includes Framework *(13 49 16 00-0017)*		
13 49 16 00-0021	EA	36"H Upper With 0.5mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers	2,933.72	19.58
13 49 16 00-0022	EA	36"H Upper With 1.0mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers	3,524.45	19.58
13 49 16 00-0023		72"W x 75"H, Includes Framework *(13 49 16 00-0017)*		
13 49 16 00-0024	EA	36"H Upper With 0.5mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers	3,465.38	19.58
13 49 16 00-0025	EA	36"H Upper With 1.0mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers	4,381.00	19.58
13 49 19		**Lead-Lined Materials** *(13 49)*		
13 49 19 16		**Lead-Lined Drywall** *(13 49 19)*		
13 49 19 16-0001		Lead Lined Drywall *(13 49 19 16)*		
		See CSI section 09 29 00 00-0054 for finishing tasks.		
13 49 19 16-0002	SF	1/32" Lead Lined 5/8" Fire Rated Drywall	7.96	1.03
13 49 19 16-0003	SF	1/16" Lead Lined 5/8" Fire Rated Drywall	12.49	1.23
13 49 19 16-0004	SF	1/8" Lead Lined 5/8" Fire Rated Drywall	21.24	1.48

END OF SECTION 13

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

14 Conveying Equipment

14 01 Operation And Maintenance Of Conveying Equipment *(14)*

14 01 20 Operation And Maintenance Of Elevators *(14 01)*

14 01 20 00-0001 Elevator Maintenance *(14 01 20)*

14 01 20 00-0002	EA	Regular Elevator Inspection, Electric Up To 10 Floors (Sufficient For Issue Of Certificate/Permit)	793.24	
14 01 20 00-0003	EA	Regular Elevator Inspection, Electric Over 10 Floors (Sufficient For Issue Of Certificate/Permit)	991.55	
14 01 20 00-0004	EA	Regular Elevator Inspection, Hydraulic (Sufficient For Issue Of Certificate/Permit)	594.93	
14 01 20 00-0005	EA	Regular Elevator Inspection, Roped Hydraulic (Sufficient For Issue Of Certificate/Permit)	644.51	
14 01 20 00-0006	EA	Regular Elevator Inspection, Dumbwaiters/Cart Lifts (Sufficient For Issue Of Certificate/Permit)	173.53	
14 01 20 00-0007	HR	Elevator Servicing, Labor Only	138.35	
14 01 20 00-0008	EA	Full Load Test For Traction And Winding Drum Elevator Up To 10 Floors	697.30	
14 01 20 00-0009	EA	Full Load Test For Traction And Winding Drum Elevator Over 10 Floors	796.45	
14 01 20 00-0010	EA	Full Load Test For Hydraulic Elevator	498.99	
14 01 20 00-0011	EA	Full Load Test For Roped Hydraulic Elevator	622.93	
14 01 20 00-0012	EA	Full Load Test For Dumbwaiters/Cart Lifts	573.36	
14 01 20 00-0013	EA	Acceptance Test Of Traction And Winding Drum Elevator Up To 10 Floors	2,974.65	
14 01 20 00-0014	EA	Acceptance Test Of Traction And Winding Drum Elevator Over 10 Floors	3,272.11	
14 01 20 00-0015	EA	Acceptance Test Of Hydraulic Elevator	2,825.91	
14 01 20 00-0016	EA	Acceptance Test Of Roped Hydraulic Elevator	2,925.07	
14 01 20 00-0017	EA	Acceptance Test Of Dumbwaiters/Cart Lifts	1,735.21	

14 01 20 00-0018 Elevator Modernization *(14 01 20)*

14 01 20 00-0019	EA	4" Piston (Hydraulic) Unit Up To 3 Stories (2,000 LB x 50 FPM)	18,625.50	
		Note: Includes replacing existing piston, hydraulic pump, motor supply lines, hydraulic valves and ports.		
		For Each Additional 50 FPM, Add	*3,475.00*	
		For Each Additional 500 LB, Add	*3,475.00*	
		For Each Additional Stop, Add	*3,155.00*	
		Note: Deduct if <3 stops.		
14 01 20 00-0020	EA	6" Piston (Hydraulic) Unit Up To 3 Stories (2,500 LB x 100 FPM)	22,997.26	
		Note: Includes replacing existing piston, hydraulic pump, motor supply lines, hydraulic valves and ports.		
		For Each Additional 50 FPM, Add	*3,475.00*	
		For Each Additional 500 LB, Add	*3,475.00*	
		For Each Additional Stop, Add	*3,155.00*	
		Note: Deduct if <3 stops.		
14 01 20 00-0021	EA	8" Piston (Hydraulic) Unit Up To 3 Stories (3,000 LB x 100 FPM)	35,327.64	
		Note: Includes replacing existing piston, hydraulic pump, motor supply lines, hydraulic valves and ports.		
		For Each Additional 50 FPM, Add	*3,475.00*	
		For Each Additional 500 LB, Add	*3,475.00*	
		For Each Additional Stop, Add	*3,155.00*	
		Note: Deduct if <3 stops.		
14 01 20 00-0022	EA	10" Piston (Hydraulic) Unit Up To 3 Stories (4,000 LB x 100 FPM)	48,868.66	
		Note: Includes replacing existing piston, hydraulic pump, motor supply lines, hydraulic valves and ports.		
		For Each Additional 50 FPM, Add	*3,475.00*	
		For Each Additional 500 LB, Add	*3,475.00*	
		For Each Additional Stop, Add	*3,155.00*	
		Note: Deduct if <3 stops.		
14 01 20 00-0023	EA	12" Piston (Hydraulic) Unit Up To 3 Stories (6,000 LB x 100 FPM)	58,319.39	
		Note: Includes replacing existing piston, hydraulic pump, motor supply lines, hydraulic valves and ports.		
		For Each Additional 50 FPM, Add	*3,475.00*	
		For Each Additional 500 LB, Add	*3,475.00*	
		For Each Additional Stop, Add	*3,155.00*	
		Note: Deduct if <3 stops.		
14 01 20 00-0024	EA	Replace Multi-Port Controller Valve System	8,344.81	
14 01 20 00-0025	SET	Car Roller Guide Assembly, Set Of Four	3,753.22	539.05
14 01 20 00-0026	EA	New Door Opening, Excluding Buildback	7,222.08	
14 01 20 00-0027	SF	Cab Flooring, Epoxy Aggregate Flooring	14.71	4.94
14 01 20 00-0028	SF	Cab Flooring, Aluminum Diamond Plate	35.76	7.18
14 01 20 00-0029	EA	Car Stop Electronic Leveling Device (Per Car)	3,749.30	359.37
14 01 20 00-0030	EA	Electronic Leveling Device At Stop (Per Stop)	828.96	134.77
14 01 20 00-0031	EA	Hoistway Door Hangers Set	734.08	134.77
14 01 20 00-0032	EA	Hoistway Door Closer Set	326.16	71.88
14 01 20 00-0033	EA	Hoistway Door Interlock Set	520.23	112.30
14 01 20 00-0034	EA	Fire Service Switch Controller	1,731.91	134.77
14 01 20 00-0035	EA	Car Door Operators With ADA Buzzer	6,760.04	179.68
14 01 20 00-0036	EA	Car Door Safety Edges (Infrared Proximity Type Edge)	4,888.95	179.68
14 01 20 00-0037	EA	Car Operating Panel (ADA, Fire, Position, Chime)	10,888.90	
14 01 20 00-0038	EA	Car Position LED Indicator And Cover Plate, Stainless Steel	458.98	62.89
14 01 20 00-0039	EA	Car Traveling Lanterns With Audible Signal	3,178.76	269.53
14 01 20 00-0040	EA	Hoistway Door Jam Floor Tags (Braille)	105.92	
14 01 20 00-0041	EA	Lobby Vandal Resistant Call Station	617.94	89.84
14 01 20 00-0042	EA	Car Voice Synthesized Floor Announcement Module	3,231.34	
14 01 20 00-0043	LF	Traveling Cable (140 Conductors, #16 AWG Type ETT)	16.02	6.74
14 01 20 00-0044	LF	Governor Cable	6.85	3.14
14 01 20 00-0045	EA	Cab Walls Coverings (3,500 LB, Rigid Stainless Steel)	10,084.89	718.74
14 01 20 00-0046	EA	Remove And Replace Governor	4,805.69	
14 01 20 00-0047	EA	Remove And Replace Car Station	6,911.55	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 01 20 00-0048	EA	Remove And Replace Telephone	2,904.66	
14 01 20 00-0049	EA	Remove And Replace Lanterns	2,136.03	
14 01 20 00-0050	EA	Hall Call Buttons, Vandal Resistant	446.33	112.30
14 01 20 00-0051	EA	Hall Traveling Lanterns With Audible Signal	831.84	157.23
14 01 20 00-0052	EA	Add Raised Character (Braille) Signage To Control Panel	68.97	
14 01 20 00-0053	EA	Reprogram Existing Controller, Signal Fixtures	19,026.75	
14 01 20 00-0054	EA	New Walls And Platform, Plastic Laminate, For 5' x 7' Cab	6,937.97	449.21
14 01 20 00-0055	EA	New Walls And Platform, Plastic Laminate With Shell, For 5' x 7' Cab	9,862.92	539.05
14 01 20 00-0056	EA	Replace Elevator Or Hoistway Doors, Baked Enamel	8,557.53	628.89
14 01 20 00-0057	EA	Reopening Device, Manual	3,463.82	314.45
14 01 20 00-0058	EA	Reopening Device, Automatic	17,611.57	314.45
14 01 20 00-0059	EA	Elevator Pit Ladder	1,193.85	359.37
14 01 20 00-0060	EA	New Walls And Platform, Partial Cab Plastic Laminate, For 5' x 7' Cab	9,544.20	449.21
14 01 20 00-0061	LF	Replace Lifting Cable, 3/8" - Liftpack; Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 4.5, EHS Traction Steel - 5.5	12.75	6.74
14 01 20 00-0062	LF	Replace Lifting Cable, 1/2" - Liftpack; Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 8.0, EHS Traction Steel - 9.7	14.18	6.74
14 01 20 00-0063	LF	Replace Lifting Cable, 5/8" - Liftpack; Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 12.7, EHS Traction Steel - 15.4	16.02	6.74
14 01 20 00-0064	EA	Hydraulic Leak Detector And Alarm In Elevator Pit (Sensorcomm Inc)	3,924.55	131.10
14 01 20 00-0065	LF	6" Wide Elevator Door Jamb Wrapped With 0.030" Stainless Steel	262.50	21.90
14 01 20 00-0066	LF	8" Wide Elevator Door Jamb Wrapped With 0.030" Stainless Steel	142.16	49.25
14 01 20 00-0067	LF	10" Wide Elevator Door Jamb Wrapped With 0.030" Stainless Steel	153.06	49.39
14 01 20 00-0068	LF	12" Wide Elevator Door Jamb Wrapped With 0.030" Stainless Steel	65.55	49.42
14 01 20 00-0069	EA	"RopeGripper" With Pumping Unit For Use On 4-7/8" Maximum Out To Out Of Cable	5,081.05	786.55
14 01 20 00-0070	EA	"RopeGripper" With Pumping Unit For Use On 6" Maximum Out To Out Of Cable	6,707.69	917.64
14 01 20 00-0071	EA	"RopeGripper" With Pumping Unit For Use On 10" Maximum Out To Out Of Cable	8,843.39	1,048.73
14 01 20 00-0072	EA	"RopeGripper" With Pumping Unit For Use On 11-1/2" Maximum Out To Out Of Cable	9,874.28	1,114.28
14 01 20 00-0073	EA	60 Amp Bussmann Power Module Switch, 480 - 120 Volt CPT, Firesafety Interface Relay, Mechanical Interlock	2,793.01	131.10
14 01 20 00-0074	EA	100 Amp Bussmann Power Module Switch, 480 - 120 Volt CPT, Firesafety Interface Relay, Mechanical Interlock	3,205.51	157.31
14 01 20 00-0075	EA	200 Amp Bussmann Power Module Switch, 480 - 120 Volt CPT, Firesafety Interface Relay, Mechanical Interlock	4,258.61	183.53
14 01 20 00-0076	EA	Aluminum Handrail Spacers With Set Screw	23.16	4.96
14 01 20 00-0077	EA	Bronze Handrail Spacers With Set Screw	37.51	4.96
14 01 20 00-0078	LF	1/2" x 2" Obround Stainless Steel Elevator Handrail	49.40	3.71
14 01 20 00-0079	LF	3/8" x 2" Flat Bar Stainless Steel Elevator Handrail, Brushed Finish	68.17	3.71
14 01 20 00-0080	LF	3/8" x 3" Flat Bar Stainless Steel Elevator Handrail, Brushed Finish	91.85	3.97
14 01 20 00-0081	LF	3/8" x 2" Flat Bar Stainless Steel Elevator Handrail, Mirror Finish	106.82	3.71
14 01 20 00-0082	LF	3/8" x 3" Flat Bar Stainless Steel Elevator Handrail, Mirror Finish	129.39	3.97
14 01 20 00-0083	LF	3/8" x 2" Flat Bar Bronze Elevator Handrail, Brushed Finish	83.63	3.71
14 01 20 00-0084	LF	3/8" x 3" Flat Bar Bronze Elevator Handrail, Brushed Finish	107.31	3.97
14 01 20 00-0085	LF	3/8" x 2" Flat Bar Bronze Elevator Handrail, Mirror Finish	114.55	3.71
14 01 20 00-0086	LF	3/8" x 3" Flat Bar Bronze Elevator Handrail, Mirror Finish	138.23	3.97
14 01 20 00-0087	LF	3/8" x 1-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish	72.20	3.71
14 01 20 00-0088	LF	3/8" x 2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish	78.77	3.71
14 01 20 00-0089	LF	3/8" x 2-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish	105.54	3.97
14 01 20 00-0090	LF	3/8" x 3" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish	118.68	3.97
14 01 20 00-0091	LF	3/8" x 1-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish	110.68	3.71
14 01 20 00-0092	LF	3/8" x 2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish	118.19	3.71
14 01 20 00-0093	LF	3/8" x 2-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish	137.45	3.97
14 01 20 00-0094	LF	3/8" x 3" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish	150.59	3.97
14 01 20 00-0095	LF	3/8" x 1-1/2" Diameter Tubular Bronze Elevator Handrail, Brushed Finish	83.63	3.71
14 01 20 00-0096	LF	3/8" x 2" Diameter Tubular Bronze Elevator Handrail, Brushed Finish	91.36	3.71
14 01 20 00-0097	LF	3/8" x 2-1/2" Diameter Tubular Bronze Elevator Handrail, Brushed Finish	122.77	3.97
14 01 20 00-0098	LF	3/8" x 3" Diameter Tubular Bronze Elevator Handrail, Brushed Finish	138.23	3.97
14 01 20 00-0099	LF	3/8" x 1-1/2" Diameter Tubular Bronze Elevator Handrail, Mirror Finish	128.90	3.71
14 01 20 00-0100	LF	3/8" x 2" Diameter Tubular Bronze Elevator Handrail, Mirror Finish	137.74	3.71
14 01 20 00-0101	LF	3/8" x 2-1/2" Diameter Tubular Bronze Elevator Handrail, Mirror Finish	160.31	3.97
14 01 20 00-0102	LF	3/8" x 3" Diameter Tubular Bronze Elevator Handrail, Mirror Finish	175.77	3.97

14 01 30 Operation And Maintenance Of Escalators And Moving Walks
(14 01)

14 01 30 00-0001 Maintenance *(14 01 30)*

14 01 30 00-0002	EA	Regular Escalator Inspection (Sufficient For Issue Of Certificate/Permit)	594.93
14 01 30 00-0003	HR	Escalator Servicing, Labor Only	99.16
14 01 30 00-0004	EA	Acceptance Test Of Escalators And Moving Walks	3,272.11

14 01 30 00-0005 Modernization *(14 01 30)*

14 01 30 00-0006	EA	Replace 28" Wide Escalator Stair Tread	1,759.38
14 01 30 00-0007	EA	Replace 36" Wide Escalator Stair Tread	1,900.70
14 01 30 00-0008	EA	Replace 48" Wide Escalator Stair Tread	2,008.84
14 01 30 00-0009	EA	Replace 54" Wide Escalator Stair Tread	2,174.91
14 01 30 00-0010	LF	Replace Sliding Handrail	160.26

14 20 Elevators *(14)*

Note: Excludes final electrical work or shaft walls.

14 24 Hydraulic Elevators *(14 20)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

Note: Prices are for a complete operating elevator including all standard controls, hydraulic motor and devices based on unit with cab sized 5' by 8' with galvanized primed shaft door with cab allowances as listed below.

14 24 13 Hydraulic Freight Elevators *(14 24)*

14 24 13 00-0001 Hydraulic Freight Elevators *(14 24 13)*

Note: Painted metal shaft doors and steel painted cab. Unit prices are based on a shaft of 3 stops and 3 openings with power doors. See CSI section 14 24 13 00-0011 for drilling piston hole.

14 24 13 00-0002	EA	Hydraulic Freight Elevator, 3,000 LB x 50 FPM	126,273.59	7,571.03
		For Each Additional Stop, Add	*5,262.00*	
		Note: Deduct if <3 stops.		
		For Each Opening With Bonderized Steel Door, Add	*148.00*	
		For Each Opening With Stainless Steel Doors, Add	*1,610.00*	
		For Each Opening With Two Speed Doors, Add	*536.00*	
		For Each Opening With Two Speed Bi-Parting Doors, Add	*636.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*1,611.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*10,202.00*	
		For Stainless Steel Cab Interior, Add	*12,887.00*	
		For Each Additional 50 FPM, Add	*3,475.00*	
		For Each Additional 500 LB, Add	*3,475.00*	
		For Each Additional Stop, Add	*5,263.00*	
		Note: Deduct if <3 stops.		
		For Elevator With Manual Door, Deduct	*-11,113.16*	
		For Class "B" Loading, Add	*1,235.00*	
		For Class "C-1" Loading, Add	*2,935.00*	
		For Class "C-2" Loading, Add	*3,530.00*	
		For Class "C-3" Loading, Add	*4,800.00*	
14 24 13 00-0003	EA	Hydraulic Freight Elevator, 4,000 LB x 50 FPM	137,787.35	8,085.83
		For Each Additional Stop, Add	*5,262.00*	
		Note: Deduct if <3 stops.		
		For Each Opening With Bonderized Steel Door, Add	*148.00*	
		For Each Opening With Stainless Steel Doors, Add	*1,610.00*	
		For Each Opening With Two Speed Doors, Add	*536.00*	
		For Each Opening With Two Speed Bi-Parting Doors, Add	*636.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*1,611.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*10,202.00*	
		For Stainless Steel Cab Interior, Add	*12,887.00*	
		For Each Additional 50 FPM, Add	*3,475.00*	
		For Each Additional 500 LB, Add	*3,475.00*	
		For Each Additional Stop, Add	*5,263.00*	
		Note: Deduct if <3 stops.		
		For Elevator With Manual Door, Deduct	*-12,161.57*	
		For Class "B" Loading, Add	*1,235.00*	
		For Class "C-1" Loading, Add	*2,935.00*	
		For Class "C-2" Loading, Add	*3,530.00*	
		For Class "C-3" Loading, Add	*4,800.00*	
14 24 13 00-0004	EA	Hydraulic Freight Elevator, 6,000 LB x 50 FPM	159,499.88	8,457.95
		For Each Additional Stop, Add	*5,262.00*	
		Note: Deduct if <3 stops.		
		For Each Opening With Bonderized Steel Door, Add	*148.00*	
		For Each Opening With Stainless Steel Doors, Add	*1,610.00*	
		For Each Opening With Two Speed Doors, Add	*536.00*	
		For Each Opening With Two Speed Bi-Parting Doors, Add	*636.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*1,611.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*10,202.00*	
		For Stainless Steel Cab Interior, Add	*12,887.00*	
		For Each Additional 50 FPM, Add	*3,475.00*	
		For Each Additional 500 LB, Add	*3,475.00*	
		For Each Additional Stop, Add	*5,263.00*	
		Note: Deduct if <3 stops.		
		For Elevator With Manual Door, Deduct	*-14,258.39*	
		For Class "B" Loading, Add	*1,235.00*	
		For Class "C-1" Loading, Add	*2,935.00*	
		For Class "C-2" Loading, Add	*3,530.00*	
		For Class "C-3" Loading, Add	*4,800.00*	
14 24 13 00-0005	EA	Hydraulic Freight Elevator, 3,000 LB x 100 FPM	141,123.40	7,657.01
		For Each Additional Stop, Add	*5,262.00*	
		Note: Deduct if <3 stops.		
		For Each Opening With Bonderized Steel Door, Add	*148.00*	
		For Each Opening With Stainless Steel Doors, Add	*1,610.00*	
		For Each Opening With Two Speed Doors, Add	*536.00*	
		For Each Opening With Two Speed Bi-Parting Doors, Add	*636.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*1,611.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*10,202.00*	
		For Stainless Steel Cab Interior, Add	*12,887.00*	
		For Each Additional 50 FPM, Add	*3,475.00*	
		For Each Additional 500 LB, Add	*3,475.00*	
		For Each Additional Stop, Add	*5,263.00*	
		Note: Deduct if <3 stops.		
		For Elevator With Manual Door, Deduct	*-12,580.93*	
		For Class "B" Loading, Add	*1,235.00*	
		For Class "C-1" Loading, Add	*2,935.00*	
		For Class "C-2" Loading, Add	*3,530.00*	
		For Class "C-3" Loading, Add	*4,800.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0006	EA	Hydraulic Freight Elevator, 4,000 LB x 100 FPM	150,564.70	8,184.02
		For Each Additional Stop, Add	*5,262.00*	
		Note: Deduct if <3 stops.		
		For Each Opening With Bonderized Steel Door, Add	*148.00*	
		For Each Opening With Stainless Steel Doors, Add	*1,610.00*	
		For Each Opening With Two Speed Doors, Add	*536.00*	
		For Each Opening With Two Speed Bi-Parting Doors, Add	*636.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*1,611.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*10,202.00*	
		For Stainless Steel Cab Interior, Add	*12,887.00*	
		For Each Additional 50 FPM, Add	*3,475.00*	
		For Each Additional 500 LB, Add	*3,475.00*	
		For Each Additional Stop, Add	*5,263.00*	
		Note: Deduct if <3 stops.		
		For Elevator With Manual Door, Deduct	*-13,419.66*	
		For Class "B" Loading, Add	*1,235.00*	
		For Class "C-1" Loading, Add	*2,935.00*	
		For Class "C-2" Loading, Add	*3,530.00*	
		For Class "C-3" Loading, Add	*4,800.00*	
14 24 13 00-0007	EA	Hydraulic Freight Elevator, 6,000 LB x 100 FPM	174,613.22	8,675.82
		For Each Additional Stop, Add	*5,262.00*	
		Note: Deduct if <3 stops.		
		For Each Opening With Bonderized Steel Door, Add	*148.00*	
		For Each Opening With Stainless Steel Doors, Add	*1,610.00*	
		For Each Opening With Two Speed Doors, Add	*536.00*	
		For Each Opening With Two Speed Bi-Parting Doors, Add	*636.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*1,611.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*10,202.00*	
		For Stainless Steel Cab Interior, Add	*12,887.00*	
		For Each Additional 50 FPM, Add	*3,475.00*	
		For Each Additional 500 LB, Add	*3,475.00*	
		For Each Additional Stop, Add	*5,263.00*	
		Note: Deduct if <3 stops.		
		For Elevator With Manual Door, Deduct	*-15,726.17*	
		For Class "B" Loading, Add	*1,235.00*	
		For Class "C-1" Loading, Add	*2,935.00*	
		For Class "C-2" Loading, Add	*3,530.00*	
		For Class "C-3" Loading, Add	*4,800.00*	
14 24 13 00-0008	EA	Hydraulic Freight Elevator, 3,000 LB x 150 FPM	153,704.33	7,657.01
		For Each Additional Stop, Add	*5,262.00*	
		Note: Deduct if <3 stops.		
		For Each Opening With Bonderized Steel Door, Add	*148.00*	
		For Each Opening With Stainless Steel Doors, Add	*1,610.00*	
		For Each Opening With Two Speed Doors, Add	*536.00*	
		For Each Opening With Two Speed Bi-Parting Doors, Add	*636.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*1,611.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*10,202.00*	
		For Stainless Steel Cab Interior, Add	*12,887.00*	
		For Each Additional 50 FPM, Add	*3,475.00*	
		For Each Additional 500 LB, Add	*3,475.00*	
		For Each Additional Stop, Add	*5,263.00*	
		Note: Deduct if <3 stops.		
		For Elevator With Manual Door, Deduct	*-13,839.03*	
		For Class "B" Loading, Add	*1,235.00*	
		For Class "C-1" Loading, Add	*2,935.00*	
		For Class "C-2" Loading, Add	*3,530.00*	
		For Class "C-3" Loading, Add	*4,800.00*	
14 24 13 00-0009	EA	Hydraulic Freight Elevator, 4,000 LB x 150 FPM	165,546.18	8,335.95
		For Each Additional Stop, Add	*5,262.00*	
		Note: Deduct if <3 stops.		
		For Each Opening With Bonderized Steel Door, Add	*148.00*	
		For Each Opening With Stainless Steel Doors, Add	*1,610.00*	
		For Each Opening With Two Speed Doors, Add	*536.00*	
		For Each Opening With Two Speed Bi-Parting Doors, Add	*636.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*1,611.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*10,202.00*	
		For Stainless Steel Cab Interior, Add	*12,887.00*	
		For Each Additional 50 FPM, Add	*3,475.00*	
		For Each Additional 500 LB, Add	*3,475.00*	
		For Each Additional Stop, Add	*5,263.00*	
		Note: Deduct if <3 stops.		
		For Elevator With Manual Door, Deduct	*-14,887.44*	
		For Class "B" Loading, Add	*1,235.00*	
		For Class "C-1" Loading, Add	*2,935.00*	
		For Class "C-2" Loading, Add	*3,530.00*	
		For Class "C-3" Loading, Add	*4,800.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0010	EA	Hydraulic Freight Elevator, 6,000 LB x 150 FPM	187,535.88	8,846.62
		For Each Additional Stop, Add	*5,262.00*	
		Note: Deduct if <3 stops.		
		For Each Opening With Bonderized Steel Door, Add	*148.00*	
		For Each Opening With Stainless Steel Doors, Add	*1,610.00*	
		For Each Opening With Two Speed Doors, Add	*536.00*	
		For Each Opening With Two Speed Bi-Parting Doors, Add	*636.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*1,611.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*10,202.00*	
		For Stainless Steel Cab Interior, Add	*12,887.00*	
		For Each Additional 50 FPM, Add	*3,475.00*	
		For Each Additional 500 LB, Add	*3,475.00*	
		For Each Additional Stop, Add	*5,263.00*	
		Note: Deduct if <3 stops.		
		For Elevator With Manual Door, Deduct	*-16,984.26*	
		For Class "B" Loading, Add	*1,235.00*	
		For Class "C-1" Loading, Add	*2,935.00*	
		For Class "C-2" Loading, Add	*3,530.00*	
		For Class "C-3" Loading, Add	*4,800.00*	

14 24 13 00-0011 Hydraulic Elevators Piston Drilling *(14 24 13)*

14 24 13 00-0012	VLF	Up To 6" Diameter Piston Drilling	56.93	
		Note: Includes casing.		
14 24 13 00-0013	VLF	8" To 10" Diameter Piston Drilling	67.17	
		Note: Includes casing.		
14 24 13 00-0014	VLF	12" To 16" Diameter Piston Drilling	74.75	
		Note: Includes casing.		
14 24 13 00-0015	VLF	18" Diameter Piston Drilling	84.68	
		Note: Includes casing.		

14 24 23 Hydraulic Passenger Elevators *(14 24)*

14 24 23 00-0001 Hydraulic Passenger Elevators *(14 24 23)*

Note: Baked enamel shaft doors and plastic laminated trimmed cab, allowance of $4000. Unit prices are based on a shaft of 3 stops and 3 openings. See CSI section 14 24 13 00-0011 for drilling piston hole.

14 24 23 00-0002	EA	Hydraulic Passenger Elevator, 2,000 LB x 50 FPM	104,706.21	7,271.41
		For Each Additional 50 FPM, Add	*3,475.00*	
		For Each Additional 500 LB, Add	*3,475.00*	
		For Each Additional Stop, Add	*5,262.00*	
		Note: Deduct if <3 stops.		
		For Each Opening With Bonderized Steel Door, Add	*148.00*	
		For Each Opening With Stainless Steel Doors, Add	*1,610.00*	
		For Each Opening With Two Speed Doors, Add	*536.00*	
		For Each Opening With Two Speed Bi-Parting Doors, Add	*636.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*1,611.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*10,202.00*	
		For Stainless Steel Cab Interior, Add	*12,887.00*	
14 24 23 00-0003	EA	Hydraulic Passenger Elevator, 2,500 LB x 50 FPM	109,499.01	7,571.03
		For Each Additional 50 FPM, Add	*3,475.00*	
		For Each Additional 500 LB, Add	*3,475.00*	
		For Each Additional Stop, Add	*5,262.00*	
		Note: Deduct if <3 stops.		
		For Each Opening With Bonderized Steel Door, Add	*148.00*	
		For Each Opening With Stainless Steel Doors, Add	*1,610.00*	
		For Each Opening With Two Speed Doors, Add	*536.00*	
		For Each Opening With Two Speed Bi-Parting Doors, Add	*636.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*1,611.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*10,202.00*	
		For Stainless Steel Cab Interior, Add	*12,887.00*	
14 24 23 00-0004	EA	Hydraulic Passenger Elevator, 3,000 LB x 50 FPM	118,980.89	8,118.26
		For Each Additional 50 FPM, Add	*3,475.00*	
		For Each Additional 500 LB, Add	*3,475.00*	
		For Each Additional Stop, Add	*5,262.00*	
		Note: Deduct if <3 stops.		
		For Each Opening With Bonderized Steel Door, Add	*148.00*	
		For Each Opening With Stainless Steel Doors, Add	*1,610.00*	
		For Each Opening With Two Speed Doors, Add	*536.00*	
		For Each Opening With Two Speed Bi-Parting Doors, Add	*636.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*1,611.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*10,202.00*	
		For Stainless Steel Cab Interior, Add	*12,887.00*	
14 24 23 00-0005	EA	Hydraulic Passenger Elevator, 2,000 LB x 100 FPM	114,740.01	7,571.03
		For Each Additional 50 FPM, Add	*3,475.00*	
		For Each Additional 500 LB, Add	*3,475.00*	
		For Each Additional Stop, Add	*5,262.00*	
		Note: Deduct if <3 stops.		
		For Each Opening With Bonderized Steel Door, Add	*148.00*	
		For Each Opening With Stainless Steel Doors, Add	*1,610.00*	
		For Each Opening With Two Speed Doors, Add	*536.00*	
		For Each Opening With Two Speed Bi-Parting Doors, Add	*636.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*1,611.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*10,202.00*	
		For Stainless Steel Cab Interior, Add	*12,887.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 23 00-0006	EA	Hydraulic Passenger Elevator, 2,500 LB x 100 FPM	121,309.20	8,234.07
		For Each Additional 50 FPM, Add	*3,475.00*	
		For Each Additional 500 LB, Add	*3,475.00*	
		For Each Additional Stop, Add	*5,262.00*	
		Note: Deduct if <3 stops.		
		For Each Opening With Bonderized Steel Door, Add	*148.00*	
		For Each Opening With Stainless Steel Doors, Add	*1,610.00*	
		For Each Opening With Two Speed Doors, Add	*536.00*	
		For Each Opening With Two Speed Bi-Parting Doors, Add	*636.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*1,611.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*10,202.00*	
		For Stainless Steel Cab Interior, Add	*12,887.00*	
14 24 23 00-0007	EA	Hydraulic Passenger Elevator, 3,000 LB x 100 FPM	127,586.02	8,750.93
		For Each Additional 50 FPM, Add	*3,475.00*	
		For Each Additional 500 LB, Add	*3,475.00*	
		For Each Additional Stop, Add	*5,262.00*	
		Note: Deduct if <3 stops.		
		For Each Opening With Bonderized Steel Door, Add	*148.00*	
		For Each Opening With Stainless Steel Doors, Add	*1,610.00*	
		For Each Opening With Two Speed Doors, Add	*536.00*	
		For Each Opening With Two Speed Bi-Parting Doors, Add	*636.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*1,611.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*10,202.00*	
		For Stainless Steel Cab Interior, Add	*12,887.00*	
14 24 23 00-0008	EA	Hydraulic Passenger Elevator, 2,000 LB x 150 FPM	123,301.47	7,657.01
		For Each Additional 50 FPM, Add	*3,475.00*	
		For Each Additional 500 LB, Add	*3,475.00*	
		For Each Additional Stop, Add	*5,262.00*	
		Note: Deduct if <3 stops.		
		For Each Opening With Bonderized Steel Door, Add	*148.00*	
		For Each Opening With Stainless Steel Doors, Add	*1,610.00*	
		For Each Opening With Two Speed Doors, Add	*536.00*	
		For Each Opening With Two Speed Bi-Parting Doors, Add	*636.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*1,611.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*10,202.00*	
		For Stainless Steel Cab Interior, Add	*12,887.00*	
14 24 23 00-0009	EA	Hydraulic Passenger Elevator, 2,500 LB x 150 FPM	134,662.61	8,620.31
		For Each Additional 50 FPM, Add	*3,475.00*	
		For Each Additional 500 LB, Add	*3,475.00*	
		For Each Additional Stop, Add	*5,262.00*	
		Note: Deduct if <3 stops.		
		For Each Opening With Bonderized Steel Door, Add	*148.00*	
		For Each Opening With Stainless Steel Doors, Add	*1,610.00*	
		For Each Opening With Two Speed Doors, Add	*536.00*	
		For Each Opening With Two Speed Bi-Parting Doors, Add	*636.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*1,611.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*10,202.00*	
		For Stainless Steel Cab Interior, Add	*12,887.00*	
14 24 23 00-0010	EA	Hydraulic Passenger Elevator, 3,000 LB x 150 FPM	145,107.26	9,649.00
		For Each Additional 50 FPM, Add	*3,475.00*	
		For Each Additional 500 LB, Add	*3,475.00*	
		For Each Additional Stop, Add	*5,262.00*	
		Note: Deduct if <3 stops.		
		For Each Opening With Bonderized Steel Door, Add	*148.00*	
		For Each Opening With Stainless Steel Doors, Add	*1,610.00*	
		For Each Opening With Two Speed Doors, Add	*536.00*	
		For Each Opening With Two Speed Bi-Parting Doors, Add	*636.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*1,611.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*10,202.00*	
		For Stainless Steel Cab Interior, Add	*12,887.00*	

14 24 23 00-0011 Twin Jack Holeless Hydraulic Passenger Elevator *(14 24 23)*

Note: Baked enamel shaft doors and plastic laminated trimmed cab. Excludes flooring, shaft construction/alterations, pit or mechanical room construction. Connect to established utilities.

14 24 23 00-0012	EA	Hydraulic Passenger Elevator, 2,000 LB, 80 FPM, 3 Stops, 3 Openings	84,558.39	7,571.03
14 24 23 00-0013	EA	Hydraulic Passenger Elevator, 2,000 LB, 80 FPM, 2 Stops, 2 Openings	63,417.94	6,468.66

14 26 Limited-Use/Limited-Application Elevators *(14 20)*

14 26 00 00-0001 Small Elevators, 1 Passenger Capacity *(14 26)*

Note: 400 lb capacity, 28 FPM rated, 220V, automatic operation. Includes cab interiors.

14 26 00 00-0002	EA	2 Stop Per Shaft, Electric, Push Small Elevators, 1 Passenger	33,109.56	3,753.64
14 26 00 00-0003	EA	3 Stop Per Shaft, Electric, Push Small Elevators, 1 Passenger	38,190.59	4,692.05
14 26 00 00-0004	EA	4 Stop Per Shaft, Electric, Push Small Elevators, 1 Passenger	43,291.45	5,630.46

14 26 00 00-0005 Small Elevators, 2 To 3 Passenger Capacity *(14 26)*

Note: 750 lb capacity, 36 FPM rated, 220V, automatic operation. Includes cab interiors, telephone box and telephone.

14 26 00 00-0006	EA	2 Stop Per Shaft, Electric, Push Small Elevators, 2 To 3 Passenger Capacity	47,894.54	5,630.46
14 26 00 00-0007	EA	3 Stop Per Shaft, Electric, Push Small Elevators, 2 To 3 Passenger Capacity	54,471.94	6,568.87
14 26 00 00-0008	EA	4 Stop Per Shaft, Electric, Push Small Elevators, 2 To 3 Passenger Capacity	61,025.83	7,507.27
14 26 00 00-0009	EA	5 Stop Per Shaft, Electric, Push Small Elevators, 2 To 3 Passenger Capacity	68,204.49	8,445.69
14 26 00 00-0010	EA	6 Stop Per Shaft, Electric, Push Small Elevators, 2 To 3 Passenger Capacity	76,927.30	9,853.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 26 00 00-0011	EA	7 Stop Per Shaft, Electric, Push Small Elevators, 2 To 3 Passenger Capacity	86,171.00	11,260.91

14 26 00 00-0012 Small Elevators, 4 To 6 Passenger Capacity *(14 26)*

Note: 1500 lb capacity, 42 FPM rated, 220V, automatic operation. Includes cab interiors, telephone box and telephone.

14 26 00 00-0013	EA	2 Stop Per Shaft, Electric, Push Small Elevators, 4 To 6 Passenger Capacity	74,325.12	9,185.81
		For #4 Brushed Stainless Steel Doors, Add	*111.91*	
		For Wrap Around Front, Add	*55.95*	
		For Metal Hand Rails, Add	*279.77*	
		For Wood Hand Rails, Add	*419.65*	
		For Red Oak Side Panels, Add	*1,678.60*	
14 26 00 00-0014	EA	3 Stop Per Shaft, Electric, Push Small Elevators, 4 To 6 Passenger Capacity	84,949.15	10,992.06
		For #4 Brushed Stainless Steel Doors, Add	*125.93*	
		For Wrap Around Front, Add	*62.97*	
		For Metal Hand Rails, Add	*314.83*	
		For Wood Hand Rails, Add	*472.24*	
		For Red Oak Side Panels, Add	*1,888.95*	
14 26 00 00-0015	EA	4 Stop Per Shaft, Electric, Push Small Elevators, 4 To 6 Passenger Capacity	96,064.47	13,043.89
		For #4 Brushed Stainless Steel Doors, Add	*139.95*	
		For Wrap Around Front, Add	*69.98*	
		For Metal Hand Rails, Add	*349.88*	
		For Wood Hand Rails, Add	*524.83*	
		For Red Oak Side Panels, Add	*2,099.30*	

14 90 Other Conveying Equipment *(14)*

14 91 Facility Chutes *(14 90)*

14 91 82 Trash Chutes *(14 91)*

14 91 82 00-0001 Trash Chutes *(14 91 82)*

14 91 82 00-0002	LF	18" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	20.00	3.24
		For Aluminum, Add	*1.38*	
		For Stainless Steel, Add	*4.84*	
14 91 82 00-0003	LF	24" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	25.42	3.24
		For Aluminum, Add	*1.87*	
		For Stainless Steel, Add	*6.55*	
14 91 82 00-0004	LF	30" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	28.00	4.04
		For Aluminum, Add	*2.07*	
		For Stainless Steel, Add	*7.26*	
14 91 82 00-0005	LF	36" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	42.03	4.04
		For Aluminum, Add	*3.42*	
		For Stainless Steel, Add	*11.95*	
14 91 82 00-0006	EA	Trash Chutes, Hopper	373.85	22.64
		For Aluminum, Add	*32.83*	
		For Stainless Steel, Add	*114.90*	
14 91 82 00-0007	EA	Trash Chutes, Skylight	203.32	44.46
		For Aluminum, Add	*11.42*	
		For Stainless Steel, Add	*39.97*	
14 91 82 00-0008	EA	Trash Chutes, Sprinkler Unit At Top	152.46	48.50
		For Aluminum, Add	*5.00*	
		For Stainless Steel, Add	*17.49*	
14 91 82 00-0009	EA	Trash Chutes, Sprinkler Unit At Intake Hopper	42.73	16.97
		For Aluminum, Add	*0.86*	
		For Stainless Steel, Add	*3.00*	
14 91 82 00-0010	EA	Refuse Type Bottom Storage Hopper Unit	339.38	60.63
		For Aluminum, Add	*21.13*	
		For Stainless Steel, Add	*73.94*	
14 91 82 00-0011	EA	Hopper Doors	720.74	45.39

14 91 82 00-0012 Aluminized Steel Trash Chutes And Accessories *(14 91 82)*

Note: Includes sprinklers. Includes smoke/shut down dampers per floor, chute opening doors per floor, base chute damper. Complete.

14 91 82 00-0013	EA	Refuse Bottom Hopper, Aluminum , 18" Diameter	1,410.75	201.73
14 91 82 00-0014	FLR	18" Diameter Trash Chutes And With Sprinklers Aluminized Steel	510.17	226.79
14 91 82 00-0015	FLR	24" Diameter Trash Chutes And With Sprinklers Aluminized Steel	593.75	248.07
14 91 82 00-0016	FLR	30" Diameter Trash Chutes And With Sprinklers Aluminized Steel	666.05	264.58
14 91 82 00-0017	FLR	36" Diameter Trash Chutes And With Sprinklers Aluminized Steel	726.65	283.48
14 91 82 00-0018	EA	Refuse Bottom Hopper, 36" Aluminized Steel, With Sprinklers	628.65	264.58

14 92 Pneumatic Tube Systems *(14 90)*

14 92 00 00-0001 Pneumatic Message Tube Station *(14 92)*

Note: Twin tube, two or more stations, conventional

14 92 00 00-0002	LF	2-1/2" Tube With Bracketing	39.87	11.10
14 92 00 00-0003	LF	3" Tube With Bracketing	47.85	14.95
14 92 00 00-0004	LF	4" Tube With Bracketing	53.53	13.67
14 92 00 00-0005	LF	6" Tube With Bracketing	66.79	17.09
14 92 00 00-0006	LF	4" x 7" Oval Tube With Bracketing	69.36	18.37
14 92 00 00-0007	EA	Blower Assembly	7,467.86	341.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 92 00 00-0008	EA	Receiving Station, Round Or Oval	646.54	90.99
14 92 00 00-0009	EA	Multi-Sided Dispatching Station, 3 Carrier	1,374.79	128.16
14 92 00 00-0010	EA	Laboratory Receiving Station, Round Or Oval	977.27	115.34
14 92 00 00-0011	EA	2-Way Diverter Station	1,704.08	128.16
14 92 00 00-0012	EA	3-Way Diverter Station	2,172.61	149.52
14 92 00 00-0013	EA	4-Way Diverter Station	2,607.07	170.87

END OF SECTION 14

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

21 Fire Suppression

21 01 Operation and Maintenance of Fire Suppression *(21)*

21 01 10 Operation and Maintenance of Water-Based Fire-Suppression Systems *(21 01)*

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

21 01 10 00-0001 Relocate Sprinkler Head And Branch Piping *(21 01 10)*

Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.

21 01 10 00-0002	EA	Relocate Existing Sprinkler Head And Branch Piping Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	38.06	

21 01 10 00-0003 Sprinkler Upgrades *(21 01 10)*

21 01 10 00-0004	LF	Bleed Existing Lines Of Water	0.40	
21 01 10 00-0005	LF	Refill Existing Lines With Water	0.48	

21 01 30 Operation and Maintenance of Fire-Suppression Equipment *(21 01)*

21 01 30 00-0001 Inspection And Recharge *(21 01 30)*

21 01 30 00-0002	EA	Inspection, CO2, Carbon Dioxide	136.35	
21 01 30 00-0003	LB	Refill/Recharge, CO2, Carbon Dioxide	1.45	
21 01 30 00-0004	EA	Inspection, Halon 1301	136.35	
21 01 30 00-0005	LB	Refill/Recharge, Halon 1301	34.80	
21 01 30 00-0006	EA	Inspection, WC, Wet Chemical	82.44	
21 01 30 00-0007	GAL	Refill/Recharge, WC, Wet Chemical	32.63	
21 01 30 00-0008	EA	Inspection, DC, Dry Chemical	82.44	
21 01 30 00-0009	LB	Refill/Recharge, DC, Dry Chemical	2.90	
21 01 30 00-0010	EA	Hydrostatic Testing, All Sizes, All Agents See CSI section 23 05 93 00-0046 for testing existing piping systems.	25.37	
21 01 30 00-0011	EA	Disarm/Arm System	44.40	

21 05 Common Work Results for Fire Suppression *(21)*

21 05 13 Common Motor Requirements For Fire-Suppression Equipment *(21 05)*

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

21 05 16 Expansion Fittings And Loops For Fire-Suppression Piping *(21 05)*

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

21 05 19 Meters And Gages For Fire-Suppression Systems *(21 05)*

21 05 19 00-0001 Fire Service Meter Cast Iron Housing *(21 05 19)*

21 05 19 00-0002	EA	3" Diameter, 0 - 600 GPM Fire Service Meter Flanged, With Cast Iron Housing	3,069.04	347.98
		For >10 To 25, Deduct	*-153.45*	
		For >25, Deduct	*-406.77*	
21 05 19 00-0003	EA	4" Diameter, 0 - 1,000 GPM Fire Service Meter Flanged, With Cast Iron Housing	5,947.57	482.46
		For >10 To 25, Deduct	*-297.38*	
		For >25, Deduct	*-817.80*	
21 05 19 00-0004	EA	6" Diameter, 0 - 2,000 GPM Fire Service Meter Flanged, With Cast Iron Housing	8,225.64	772.01
		For >10 To 25, Deduct	*-411.28*	
		For >25, Deduct	*-1,114.91*	
21 05 19 00-0005	EA	8" Diameter, 0 - 4,000 GPM Fire Service Meter Flanged, With Cast Iron Housing	10,461.08	1,013.68
		For >10 To 25, Deduct	*-523.05*	
		For >25, Deduct	*-1,441.73*	
21 05 19 00-0006	EA	10" Diameter, 0 - 6,200 GPM Fire Service Meter Flanged, With Cast Iron Housing	14,500.84	1,193.71
		For >10 To 25, Deduct	*-725.04*	
		For >25, Deduct	*-2,025.10*	

21 05 23 General-Duty Valves For Water-Based Fire-Suppression Piping *(21 05)*

See CSI section 23 05 23 00-0000 for valves.

21 05 29 Hangers And Supports For Fire-Suppression Piping And Equipment *(21 05)*

See CSI section 23 05 29 00-0000 for hangers and supports.

21 05 48 Vibration And Seismic Controls For Fire-Suppression Piping And Equipment *(21 05)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

See CSI section 23 05 48 00-0000 for vibration and seismic control.

21 05 53 Identification For Fire-Suppression Piping And Equipment *(21 05)*

See CSI section 23 05 53 00-0000 for identification.

21 07 Fire-Suppression Systems Insulation *(21)*

21 07 19 Fire-Suppression Piping Insulation *(21 07)*

See CSI section 22 07 19 00-0000 for fire-suppression piping insulation.

21 10 Water-Based Fire-Suppression Systems *(21)*

See CSI section 22 11 16 00-0285 for copper pipe, 22 11 16 00-0768 for CPVC pipe, 23 05 23 00-0037 for OS&Y gate valves, 23 21 13 23-0000 for black steel piping.

21 11 Facility Fire-Suppression Water-Service Piping *(21 10)*

21 11 19 Fire-Department Connections *(21 11)*

21 11 19 00-0001 Fire Department Connections *(21 11 19)*

21 11 19 00-0002	EA	4" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass	508.68	206.50
		For Polished Chrome, Add	*24.48*	
21 11 19 00-0003	EA	6" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass	691.01	258.13
		For Polished Chrome, Add	*37.47*	
21 11 19 00-0004	EA	4" x 3" x 3" Siamese Connection, Polished Brass	692.67	206.50
		For Polished Chrome, Add	*47.47*	
21 11 19 00-0005	EA	6" x 3" x 3" Siamese Connection, Polished Brass	906.84	258.13
		For Polished Chrome, Add	*64.45*	
21 11 19 00-0006	EA	6" x 2-1/2" x 2-1/2" x 2-1/2" Siamese Connection, Three Way, Polished Brass	959.60	258.13
		For Polished Chrome, Add	*71.05*	
21 11 19 00-0007	EA	Sidewalk Type Connection With Plug And Chain, Polished Brass	852.09	273.19
		For Polished Chrome, Add	*54.79*	
21 11 19 00-0008	EA	Wall Type Connection With Plug And Chain, Polished Brass	564.34	206.50
		For Polished Chrome, Add	*31.44*	

21 11 19 00-0009 Wall Type Indicator Post, Wheel Operated *(21 11 19)*

See CSI section 33 12 16 00-0140 for adjustable indicator post accessory for ground valves.

21 11 19 00-0010	EA	Wall Type Indicator Post With Wall Flange For Valve Note: The wall flange is tapped for a 4" diameter schedule 40 steel pipe which extends through wall.	568.37	213.28

21 12 Fire-Suppression Standpipes *(21 10)*

21 12 13 Fire-Suppression Hoses And Nozzles *(21 12)*

21 12 13 00-0001 Fire Hose *(21 12 13)*

21 12 13 00-0002 Fire Hose Without Couplings *(21 12 13 00-0001)*

21 12 13 00-0003	LF	1-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	1.75	1.27
21 12 13 00-0004	LF	2-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	2.06	1.27
21 12 13 00-0005	LF	2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	1.84	1.27
21 12 13 00-0006	LF	3" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	2.19	1.27
21 12 13 00-0007	LF	1-1/2" Cotton Fire Hose, 300 LB Test With 1-1/2" Rubber Lining Without Couplings	2.05	1.27
21 12 13 00-0008	LF	2-1/2" Cotton Fire Hose, 300 LB Test With 1-1/2" Rubber Lining Without Couplings	2.61	1.27
21 12 13 00-0009	LF	1-1/2" Cotton Fire Hose, 400 LB Test With 1-1/2" Rubber Lining Without Couplings	2.14	1.27
21 12 13 00-0010	LF	2-1/2" Cotton Fire Hose, 400 LB Test With 1-1/2" Rubber Lining Without Couplings	2.80	1.27

21 12 13 00-0011 Fire Hose With Aluminum Couplings *(21 12 13 00-0001)*

21 12 13 00-0012	LF	1-3/4" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	2.87	0.70
21 12 13 00-0013	LF	2-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	3.50	0.83
21 12 13 00-0014	LF	3-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	5.49	0.83

21 12 13 00-0015 Fire Hose Accessories *(21 12 13 00-0001)*

21 12 13 00-0016	EA	Hose Coupling With 1-1/2" Pin Lug	60.51	20.93
21 12 13 00-0017	EA	Hose Coupling With 2-1/2" Pin Lug	84.98	23.46
21 12 13 00-0018	EA	1-1/2" x 10" Brass Straight Nozzle	43.21	16.49
21 12 13 00-0019	EA	2-1/2" x 12" Brass Straight Nozzle	77.36	16.49
21 12 13 00-0020	EA	1-1/2" Brass Fog Type Nozzle	62.71	16.49
21 12 13 00-0021	EA	2-1/2" Brass Fog Type Nozzle	86.90	16.49
21 12 13 00-0022	EA	1-1/2" Brass 100' Hose Rack	155.49	69.76
21 12 13 00-0023	EA	2-1/2" Brass 100' Hose Rack	201.13	69.76

21 12 23 Fire-Suppression Hose Valves *(21 12)*

21 12 23 00-0001 Standpipe Valves *(21 12 23)*

21 12 23 00-0002	EA	2-1/2" Fire Department Valve, Polished Brass With Plug And Chain	369.26	136.60
		For Polished Chrome, Add	*24.36*	
21 12 23 00-0003	EA	2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass	561.49	136.54
		For Polished Chrome, Add	*53.19*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 12 23 00-0004	EA	2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass	712.94	147.70
		For Polished Chrome, Add	*73.37*	
21 12 23 00-0005	EA	3" x 3" x 4" Fire Department Valve, Flush, Polished Brass	838.50	136.54
		For Polished Chrome, Add	*94.74*	
21 12 23 00-0006	EA	3" x 3" x 6" Fire Department Valve, Flush, Polished Brass	979.91	147.70
		For Polished Chrome, Add	*113.41*	
21 12 23 00-0007	EA	2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass	532.05	136.54
		For Polished Chrome, Add	*48.78*	
21 12 23 00-0008	EA	2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass	759.11	147.70
		For Polished Chrome, Add	*80.29*	
21 12 23 00-0009	EA	2-1/2" x 2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass	952.93	140.96
		For Polished Chrome, Add	*88.72*	
21 12 23 00-0010	EA	2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass	1,346.34	156.61
		For Polished Chrome, Add	*133.08*	
21 12 23 00-0011	EA	2-1/2" x 2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass	1,019.17	140.96
		For Polished Chrome, Add	*96.67*	
21 12 23 00-0012	EA	2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass	1,446.15	156.61
		For Polished Chrome, Add	*145.06*	
21 12 23 00-0013	EA	2-1/2" x 2-1/2" x 2-1/2" x 2-1/2" 6" Fire Department Valve, Square, Flush, Polished Brass	2,025.24	187.90
		For Polished Chrome, Add	*174.05*	

21 12 23 00-0014 Fire Hose Cabinet Angle Valves *(21 12 23)*

21 12 23 00-0015	EA	1-1/2" Fire Hose Angle Valve, Cast Brass	119.17	
21 12 23 00-0016	EA	2-1/2" Fire Hose Angle Valve, Cast Brass	201.45	28.54

21 12 29 Fire-Suppression Fire Hose Equipment *(21 12)*

21 12 29 00-0001 Standpipe And Fire Hose Equipment *(21 12 29)*

21 12 29 00-0002	EA	2-1/2" x 2-1/2" x 2-1/2" x 4" Manifold Roof Type, Vertical, Polished Brass	986.60	338.62
21 12 29 00-0003	EA	Water Motor Gong	337.55	100.70
21 12 29 00-0004	EA	Fire Riser Flow Switch (NFPA 13)	219.76	11.72
21 12 29 00-0005	EA	Water Flow Supervisory (Tamper) Switch Mounted On Valve	130.32	20.04
21 12 29 00-0006	EA	Pressure-Type Water Flow Detector For Up To 2-1/2" Pipe	215.43	61.67
21 12 29 00-0007	EA	Pressure-Type Water Flow Detector For >2-1/2" To 4" Pipe	311.22	81.71
21 12 29 00-0008	EA	Pressure-Type Water Flow Detector For >4" To 8" Pipe	474.30	92.50
21 12 29 00-0009	EA	Vane-Type Water Flow Switch For Up To 2-1/2" Pipe	265.27	61.67
21 12 29 00-0010	EA	Vane-Type Water Flow Switch For >2-1/2" To 4" Pipe	372.27	81.71
21 12 29 00-0011	EA	Vane-Type Water Flow Switch For >4" To 8" Pipe	571.07	92.50
21 12 29 00-0012	EA	Lever Type Bleeder Valve; Potter BVL	91.36	20.04

21 13 Fire-Suppression Sprinkler Systems *(21 10)*

21 13 13 Wet-Pipe Sprinkler Systems *(21 13)*

21 13 13 00-0001 Complete Sprinkler System Costs *(21 13 13)*

Note: Includes complete design per NFPA 13, 13D or 13R and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc) from riser pipe and mains. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks.

21 13 13 00-0002 Light Hazard, Prices Per Head *(21 13 13 00-0001)*

21 13 13 00-0003	EA	Exposed Piping, Wet Automatic Sprinkler System, Light Hazard Note: Includes branch pipe and fittings, supports and sprinkler heads.	255.37	
		For Copper Pipe, Add	*30.17*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-42.94*	
		For Up To 5, Add	*118.42*	
		For >5 To 10, Add	*75.47*	
		For >10 To 20, Add	*49.94*	
		For >20 To 40, Add	*20.90*	
		For >100 To 150, Deduct	*-25.54*	
		For >150, Deduct	*-51.07*	
21 13 13 00-0004	EA	Concealed Piping, Wet Automatic Sprinkler System, Light Hazard Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	339.81	
		For Copper Pipe, Add	*39.00*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-55.99*	
		For Up To 5, Add	*159.88*	
		For >5 To 10, Add	*103.89*	
		For >10 To 20, Add	*69.91*	
		For >20 To 40, Add	*28.97*	
		For >100 To 150, Deduct	*-33.98*	
		For >150, Deduct	*-67.96*	

21 13 13 00-0005 Ordinary Hazard, Prices Per Head *(21 13 13 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0006	EA	Exposed Piping, Wet Automatic Sprinkler System, Ordinary Hazard	254.27	
		Note: Includes branch pipe and fittings, supports and sprinkler heads.		
		For Copper Pipe, Add	*30.11*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-42.82*	
		For Up To 5, Add	*117.78*	
		For >5 To 10, Add	*74.96*	
		For >10 To 20, Add	*49.53*	
		For >20 To 40, Add	*20.75*	
		For >100 To 150, Deduct	*-25.43*	
		For >150, Deduct	*-50.85*	
21 13 13 00-0007	EA	Concealed Piping, Wet Automatic Sprinkler System, Ordinary Hazard	336.71	
		Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
		For Copper Pipe, Add	*38.69*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-55.52*	
		For Up To 5, Add	*158.32*	
		For >5 To 10, Add	*102.80*	
		For >10 To 20, Add	*69.13*	
		For >20 To 40, Add	*28.65*	
		For >100 To 150, Deduct	*-33.67*	
		For >150, Deduct	*-67.34*	

21 13 13 00-0008 Extra Hazard, Prices Per Head *(21 13 13 00-0001)*

21 13 13 00-0009	EA	Exposed Piping, Wet Automatic Sprinkler System, Extra Hazard	235.37	
		Note: Includes branch pipe and fittings, supports and sprinkler heads.		
		For Copper Pipe, Add	*27.82*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-39.59*	
		For Up To 5, Add	*109.12*	
		For >5 To 10, Add	*69.52*	
		For >10 To 20, Add	*45.99*	
		For >20 To 40, Add	*19.25*	
		For >100 To 150, Deduct	*-23.54*	
		For >150, Deduct	*-47.07*	
21 13 13 00-0010	EA	Concealed Piping, Wet Automatic Sprinkler System, Extra Hazard	312.25	
		Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
		For Copper Pipe, Add	*35.83*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-51.44*	
		For Up To 5, Add	*146.92*	
		For >5 To 10, Add	*95.48*	
		For >10 To 20, Add	*64.26*	
		For >20 To 40, Add	*26.62*	
		For >100 To 150, Deduct	*-31.23*	
		For >150, Deduct	*-62.45*	

21 13 13 00-0011 Wet-Pipe Sprinkler Components *(21 13 13)*

Note: Excludes hydraulic calculations.

21 13 13 00-0012 Sprinkler Heads *(21 13 13 00-0011)*

21 13 13 00-0013	EA	Pendant Brass Sprinkler Heads, Standard Response	42.73	15.86
		For Chrome, Add	*1.65*	
21 13 13 00-0014	EA	Upright Brass Sprinkler Heads	36.15	15.86
		For Chrome, Add	*1.14*	
21 13 13 00-0015	EA	Sidewall, Vertical, Brass Sprinkler Heads	37.88	15.86
		For Chrome, Add	*1.40*	
21 13 13 00-0016	EA	Sidewall, Horizontal, Brass Sprinkler Heads	36.08	15.86
		For Chrome, Add	*1.13*	
21 13 13 00-0017	EA	Nipple, Adjustable, Fire Sprinkler System	62.33	6.29
21 13 13 00-0018	EA	Standard Duty Sprinkler Head Guard, 1 Piece	14.58	6.29
21 13 13 00-0019	EA	Heavy Duty Sprinkler Head Guard, 2 Piece	23.82	6.29
21 13 13 00-0020	EA	Institutional Tamper Resistant Pendant Sprinkler (Tyco TFP PH2)	145.50	
		Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.		
21 13 13 00-0021	EA	Institutional Tamper Resistant Horizontal Sidewall Sprinkler (Tyco TFP PH5)	145.50	
		Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.		
21 13 13 00-0022	EA	Institutional Tamper Resistant Pendant Sprinkler, Quick Response (Tyco Raven)	66.52	
21 13 13 00-0023	EA	Institutional Tamper Resistant Horizontal Sidewall Sprinkler, Quick Response (Tyco Raven)	73.38	

21 13 13 00-0024 Wet Pipe Alarm Valves *(21 13 13 00-0011)*

21 13 13 00-0025	EA	2" Alarm Valve - Wet System	1,175.67	524.34
21 13 13 00-0026	EA	3" Alarm Valve - Wet System	1,579.45	715.76
21 13 13 00-0027	EA	4" Alarm Valve - Wet System	2,545.83	1,002.08
21 13 13 00-0028	EA	6" Alarm Valve - Wet System	2,913.48	1,183.99
21 13 13 00-0029	EA	8" Alarm Valve - Wet System	4,075.35	1,302.39

21 13 13 00-0030 Flexible Sprinkler Piping *(21 13 13 00-0011)*

Note: 1" Diameter stainless steel flexible pipe with either 1/2" or 3/4" outlet.

21 13 13 00-0031	EA	2' Long Stainless Steel Flexible Sprinkler Piping	46.46	9.83
		Note: Includes ceiling mounting bracket.		
21 13 13 00-0032	EA	3' Long Stainless Steel Flexible Sprinkler Piping	51.56	10.14
		Note: Includes ceiling mounting bracket.		
21 13 13 00-0033	EA	4' Long Stainless Steel Flexible Sprinkler Piping	56.76	10.78
		Note: Includes ceiling mounting bracket.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0034	EA	5' Long Stainless Steel Flexible Sprinkler Piping Note: Includes ceiling mounting bracket.	62.11	11.41
21 13 13 00-0035	EA	6' Long Stainless Steel Flexible Sprinkler Piping Note: Includes ceiling mounting bracket.	67.63	12.69

21 13 16 Dry-Pipe Sprinkler Systems *(21 13)*

21 13 16 00-0001 Complete Sprinkler System Costs *(21 13 16)*

Note: Includes complete design per NFPA 13 and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks.

21 13 16 00-0002 Light Hazard, Prices Per Head *(21 13 16 00-0001)*

21 13 16 00-0003	EA	Exposed Piping, Dry Automatic Sprinkler System, Light Hazard Note: Includes branch pipe and fittings, supports and sprinkler heads.	277.10
		For Up To 5, Add	*128.65*
		For >5 To 10, Add	*72.23*
		For >10 To 20, Add	*54.42*
		For >20 To 40, Add	*22.76*
		For >100 To 150, Deduct	*-27.71*
		For >150, Deduct	*-55.42*
		For Copper Pipe, Add	*32.66*
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-46.52*
21 13 16 00-0004	EA	Concealed Piping, Dry Automatic Sprinkler System, Light Hazard Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	349.45
		For Up To 5, Add	*163.94*
		For >5 To 10, Add	*95.34*
		For >10 To 20, Add	*71.18*
		For >20 To 40, Add	*29.55*
		For >100 To 150, Deduct	*-34.95*
		For >150, Deduct	*-69.89*
		For Copper Pipe, Add	*40.34*
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-57.81*

21 13 16 00-0005 Ordinary Hazard, Prices Per Head *(21 13 16 00-0001)*

21 13 16 00-0006	EA	Exposed Piping, Dry Automatic Sprinkler System, Ordinary Hazard Note: Includes branch pipe and fittings, supports and sprinkler heads.	280.68
		For Up To 5, Add	*129.86*
		For >5 To 10, Add	*72.03*
		For >10 To 20, Add	*54.45*
		For >20 To 40, Add	*22.83*
		For >100 To 150, Deduct	*-28.07*
		For >150, Deduct	*-56.14*
		For Copper Pipe, Add	*33.31*
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-47.34*
21 13 16 00-0007	EA	Concealed Piping, Dry Automatic Sprinkler System, Ordinary Hazard Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	351.33
		For Up To 5, Add	*164.40*
		For >5 To 10, Add	*94.80*
		For >10 To 20, Add	*70.93*
		For >20 To 40, Add	*29.50*
		For >100 To 150, Deduct	*-35.13*
		For >150, Deduct	*-70.27*
		For Copper Pipe, Add	*40.77*
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-58.33*

21 13 16 00-0008 Extra Hazard, Prices Per Head *(21 13 16 00-0001)*

21 13 16 00-0009	EA	Exposed Piping, Dry Automatic Sprinkler System, Extra Hazard Note: Includes branch pipe and fittings, supports and sprinkler heads.	263.20
		For Up To 5, Add	*121.67*
		For >5 To 10, Add	*67.29*
		For >10 To 20, Add	*50.90*
		For >20 To 40, Add	*21.35*
		For >100 To 150, Deduct	*-26.32*
		For >150, Deduct	*-52.64*
		For Copper Pipe, Add	*31.29*
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-44.45*
21 13 16 00-0010	EA	Concealed Piping, Dry Automatic Sprinkler System, Extra Hazard Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	327.07
		For Up To 5, Add	*153.06*
		For >5 To 10, Add	*88.28*
		For >10 To 20, Add	*66.05*
		For >20 To 40, Add	*27.47*
		For >100 To 150, Deduct	*-32.71*
		For >150, Deduct	*-65.41*
		For Copper Pipe, Add	*37.95*
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-54.30*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0011		**Equipment** *(21 13 16 00-0001)*		
21 13 16 00-0012	EA	Dry System Air Compressor, 3/4 HP With Alarm Valve Flange With Gauge	1,248.43	196.88
21 13 16 00-0013	EA	Dry System Air Compressor, 1 HP With Alarm Valve Flange With Gauge	1,299.46	196.88
21 13 16 00-0014	EA	Dry System Air Compressor, 1-1/2 HP With Alarm Valve Flange With Gauge	1,342.51	196.88
21 13 16 00-0015	EA	Dry System Air Compressor, 2 HP With Alarm Valve Flange With Gauge	1,509.94	196.88
21 13 16 00-0016		**Dry-Pipe Sprinkler Components** *(21 13 16)*		
		Note: Excludes hydraulic calculations.		
21 13 16 00-0017		**Dry Pipe Alarm Valves** *(21 13 16 00-0016)*		
21 13 16 00-0018	EA	2" Alarm Valve - Dry System	1,211.09	524.34
21 13 16 00-0019	EA	3" Alarm Valve - Dry System	1,624.02	715.76
21 13 16 00-0020	EA	4" Alarm Valve - Dry System	2,949.60	1,002.08
21 13 16 00-0021	EA	6" Alarm Valve - Dry System	3,779.06	1,183.99
21 13 16 00-0022	EA	8" Alarm Valve - Dry System	4,704.39	1,302.39
21 13 16 00-0023		**Dry Sprinkler Heads, 3/4" Or 1" NPT** *(21 13 16 00-0016)*		
21 13 16 00-0024	EA	Dry Pendant Head, Up To 4-3/4" Length	79.06	20.86
21 13 16 00-0025	EA	Dry Pendant Head, >4-3/4" To 6-3/4" Length	79.06	20.86
21 13 16 00-0026	EA	Dry Pendant Head, >6-3/4" To 8-3/4" Length	80.55	20.86
21 13 16 00-0027	EA	Dry Pendant Head, >8-3/4" To 10-3/4" Length	82.79	20.86
21 13 16 00-0028	EA	Dry Pendant Head, >10-3/4" To 12-3/4" Length	82.79	20.86
21 13 16 00-0029	EA	Dry Pendant Head, >12-3/4" To 14-3/4" Length	88.01	20.86
21 13 16 00-0030	EA	Dry Pendant Head, >14-3/4" To 16-3/4" Length	88.01	20.86
21 13 16 00-0031	EA	Dry Pendant Head, >16-3/4" To 18-3/4" Length	93.23	20.86
21 13 16 00-0032	EA	Dry Pendant Head, >18-3/4" To 20-3/4" Length	93.23	20.86
21 13 16 00-0033	EA	Dry Pendant Head, >20-3/4" To 22-3/4" Length	94.72	20.86
21 13 16 00-0034	EA	Dry Pendant Head, >22-3/4" To 24-3/4" Length	94.72	20.86
21 13 16 00-0035	EA	Dry Pendant Head, >24-3/4" To 26-3/4" Length	96.21	20.86
21 13 16 00-0036	EA	Dry Pendant Head, >26-3/4" To 28-3/4" Length	99.19	20.86

21 13 19 Preaction Sprinkler Systems *(21 13)*

21 13 19 00-0001		**Complete Sprinkler System Costs** *(21 13 19)*		
		Note: Includes complete design per NFPA 13 and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks.		
21 13 19 00-0002		**Ordinary Hazard, Prices Per Head** *(21 13 19 00-0001)*		
21 13 19 00-0003	EA	Exposed Piping Warehouse, Pre-Action Sprinkler System, Ordinary Hazard	266.06	
		Note: Includes branch pipe and fittings, supports and sprinkler heads.		
		For Up To 5, Add	*124.01*	
		For >5 To 10, Add	*79.59*	
		For >10 To 20, Add	*52.99*	
		For >20 To 40, Add	*22.10*	
		For >100 To 150, Deduct	*-26.61*	
		For >150, Deduct	*-53.21*	
21 13 19 00-0004		**Extra Hazard, Prices Per Head** *(21 13 19 00-0001)*		
21 13 19 00-0005	EA	Exposed Piping Warehouse, Pre-Action Sprinkler System, Extra Hazard	247.75	
		Note: Includes branch pipe and fittings, supports and sprinkler heads.		
		For Up To 5, Add	*115.49*	
		For >5 To 10, Add	*74.13*	
		For >10 To 20, Add	*49.36*	
		For >20 To 40, Add	*20.58*	
		For >100 To 150, Deduct	*-24.78*	
		For >150, Deduct	*-49.55*	

21 13 26 Deluge Fire-Suppression Sprinkler Systems *(21 13)*

21 13 26 00-0001		**Deluge Sprinkler Equipment** *(21 13 26)*		
		See CSI section 23 21 13 23-0000 for pipe and fittings.		
21 13 26 00-0002		**Nozzles** *(21 13 26 00-0001)*		
21 13 26 00-0003	EA	3/8" Auto Deluge Sprinkler Nozzle	60.21	27.21
21 13 26 00-0004	EA	1/2" Pendant Deluge Spring Nozzle With Open Head	60.21	27.21
21 13 26 00-0005	EA	1/2" Pendant Deluge Spring Nozzle Open Head With Canopy	60.21	27.21
21 13 26 00-0006		**Deluge Valves With Required Trim And Release Equipment** *(21 13 26 00-0001)*		
21 13 26 00-0007	EA	3" Deluge Valve With Trim And Release Equipment	3,799.44	352.36
21 13 26 00-0008	EA	4" Deluge Valve With Trim And Release Equipment	4,355.62	396.37
21 13 26 00-0009	EA	6" Deluge Valve With Trim And Release Equipment	5,411.87	576.55

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 39		**Foam-Water Systems** *(21 13)*		
21 13 39 00-0001		Foam Control Valves And Monitors *(21 13 39)*		
21 13 39 00-0002		Control Valves *(21 13 39 00-0001)*		
21 13 39 00-0003	EA	3" Foam Control Valve	1,827.54	352.36
21 13 39 00-0004		Supply Valves *(21 13 39 00-0001)*		
21 13 39 00-0005	EA	2-1/2" Foam Supply Valve	1,666.09	396.37
21 13 39 00-0006		Proportioners *(21 13 39 00-0001)*		
21 13 39 00-0007	EA	8" Foam Proportioner	1,432.28	576.55
21 13 39 00-0008		Monitors *(21 13 39 00-0001)*		
21 13 39 00-0009	EA	Oscillating Foam Monitor	1,830.97	79.28
21 13 41		**Fire-Suppression Sprinkler Piping** *(21 13)*		
		See CSI section 23 21 13 23-0000 for black steel piping.		
21 13 41 00-0001		Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe *(21 13 41)*		
		Note: SDR 13.5		
21 13 41 00-0002		Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe *(21 13 41 00-0001)*		
21 13 41 00-0003	LF	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	3.28	1.02
21 13 41 00-0004	LF	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	3.87	1.08
21 13 41 00-0005	LF	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	4.79	1.20
21 13 41 00-0006	LF	1-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	5.80	1.33
21 13 41 00-0007	LF	2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	7.34	1.46
21 13 41 00-0008	LF	2-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	9.90	1.65
21 13 41 00-0009	LF	3" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	13.66	1.97
21 13 41 00-0010		Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows, Fire Sprinkler Piping *(21 13 41 00-0001)*		
21 13 41 00-0011	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	16.20	6.09
21 13 41 00-0012	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	21.20	7.61
21 13 41 00-0013	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	26.53	9.52
21 13 41 00-0014	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	30.17	10.53
21 13 41 00-0015	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	34.16	11.80
21 13 41 00-0016	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	42.57	13.38
21 13 41 00-0017	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	51.93	15.86
21 13 41 00-0018		Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows, Fire Sprinkler Piping *(21 13 41 00-0001)*		
21 13 41 00-0019	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	16.54	6.09
21 13 41 00-0020	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	20.65	7.61
21 13 41 00-0021	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	26.12	9.52
21 13 41 00-0022	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	29.51	10.53
21 13 41 00-0023	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	33.33	11.80
21 13 41 00-0024	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	40.48	13.38
21 13 41 00-0025	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	49.63	15.86
21 13 41 00-0026		Chlorinated Polyvinyl Chloride (CPVC) Tees, Fire Sprinkler Piping *(21 13 41 00-0001)*		
21 13 41 00-0027	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	24.15	9.13
21 13 41 00-0028	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	31.27	11.48
21 13 41 00-0029	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	39.70	14.33
21 13 41 00-0030	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	45.35	15.86
21 13 41 00-0031	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	52.70	17.63
21 13 41 00-0032	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	64.14	20.10
21 13 41 00-0033	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	75.78	23.72
21 13 41 00-0034		Chlorinated Polyvinyl Chloride (CPVC) Reducing Tees, Fire Sprinkler Piping *(21 13 41 00-0001)*		
21 13 41 00-0035	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	28.92	10.72
21 13 41 00-0036	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	37.43	13.38
21 13 41 00-0037	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	41.85	14.78
21 13 41 00-0038	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	49.10	16.49
21 13 41 00-0039	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	57.69	18.77
21 13 41 00-0040	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	67.92	22.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 41 00-0041		**Chlorinated Polyvinyl Chloride (CPVC) Crosses, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0042	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	32.53	12.17
21 13 41 00-0043	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	40.79	15.28
21 13 41 00-0044	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	51.31	19.08
21 13 41 00-0045	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	57.70	21.12
21 13 41 00-0046	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	66.99	23.53
21 13 41 00-0047	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	84.71	26.76
21 13 41 00-0048		**Chlorinated Polyvinyl Chloride (CPVC) Couplings, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0049	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	11.08	4.06
21 13 41 00-0050	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	14.85	5.45
21 13 41 00-0051	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	19.66	7.17
21 13 41 00-0052	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	22.33	7.92
21 13 41 00-0053	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	25.51	8.81
21 13 41 00-0054	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	30.37	10.02
21 13 41 00-0055	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	36.54	11.86
21 13 41 00-0056		**Chlorinated Polyvinyl Chloride (CPVC) Caps, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0057	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	5.64	2.03
21 13 41 00-0058	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	8.98	3.30
21 13 41 00-0059	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	10.23	3.55
21 13 41 00-0060	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	11.67	3.94
21 13 41 00-0061	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	13.71	4.44
21 13 41 00-0062	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	16.43	5.01
21 13 41 00-0063	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	21.11	5.96
21 13 41 00-0064		**Chlorinated Polyvinyl Chloride (CPVC) Reducer Bushing, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0065	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	15.76	6.03
21 13 41 00-0066	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	20.84	7.86
21 13 41 00-0067	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	23.04	8.69
21 13 41 00-0068	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	26.17	9.70
21 13 41 00-0069	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	30.88	11.03
21 13 41 00-0070	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	37.53	13.06
21 13 41 00-0071		**Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip x Female Pipe Thread, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0072	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping	13.59	4.44
21 13 41 00-0073	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping	17.61	6.03
21 13 41 00-0074		**Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0075	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	13.59	4.44
21 13 41 00-0076	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	17.61	6.03
21 13 41 00-0077		**Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0078	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	15.97	5.45
21 13 41 00-0079	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	20.36	6.85
21 13 41 00-0080	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 3/4" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	21.06	6.85
21 13 41 00-0081		**Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0082	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	26.27	9.13
21 13 41 00-0083	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	32.38	11.48
21 13 41 00-0084	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	41.96	14.33
21 13 41 00-0085	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	47.75	15.86
21 13 41 00-0086	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	55.62	17.63

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

21 20 Fire-Extinguishing Systems (21)

21 21 Carbon-Dioxide Fire-Extinguishing Systems (21 20)

21 21 16 Carbon-Dioxide Fire-Extinguishing Equipment (21 21)

21 21 16 00-0001 Carbon Dioxide Cylinders (21 21 16)

21 21 16 00-0002	EA	Carbon Dioxide Simplex Cylinder, 75 LB	874.60	164.64
21 21 16 00-0003	EA	Carbon Dioxide Duplex Cylinder, 75 LB (Each)	1,749.21	329.28
21 21 16 00-0004	EA	Carbon Dioxide Cylinder, Heat/Ion Detector, With Bracket	178.79	87.37
21 21 16 00-0005	EA	Carbon Dioxide Cylinder, Dispersion Nozzle	72.06	30.09
21 21 16 00-0006	LF	Carbon Dioxide Cylinder, 1/2" Rubber Tubing	22.15	12.20

21 22 Clean-Agent Fire-Extinguishing Systems (21 20)

21 22 16 Clean-Agent Fire-Extinguishing Equipment (21 22)

21 22 16 00-0001 Ansul Fire Control Systems (21 22 16)

21 22 16 00-0002 Sapphire® Fire Suppression Systems (21 22 16 00-0001)

Note: ANSUL® SAPPHIRE® fire suppression systems use 3M™ Novec™ 1230 fire protection fluid for total flooding applications.

21 22 16 00-0003 Cylinders, Sapphire® Fire Suppression Systems (21 22 16 00-0002)

21 22 16 00-0004	EA	20 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570635) Note: 10 to 21 LB tank capacity. Excludes Sapphire agent.	1,189.73	56.13
21 22 16 00-0005	EA	40 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570636) Note: 20 to 46 LB tank capacity. Excludes Sapphire agent.	1,357.71	56.13
21 22 16 00-0006	EA	80 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570637) Note: 41 to 80 LB tank capacity. Excludes Sapphire agent.	1,379.80	56.13
21 22 16 00-0007	EA	140 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570638) Note: 58 to 138 LB tank capacity. Excludes Sapphire agent.	1,959.32	74.84
21 22 16 00-0008	EA	280 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570639) Note: 116 to 280 LB tank capacity. Excludes Sapphire agent.	2,070.37	74.84
21 22 16 00-0009	EA	390 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570640) Note: 161 to 388 LB tank capacity. Excludes Sapphire agent.	2,210.96	93.55
21 22 16 00-0010	EA	450 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570641) Note: 194 to 459 LB tank capacity. Excludes Sapphire agent.	2,346.36	93.55
21 22 16 00-0011	EA	850 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570586) Note: 375 to 851 LB tank capacity. Excludes Sapphire agent.	3,543.65	112.25
21 22 16 00-0012	LB	Sapphire Agent. Fire Protection Fluid, Factory Filled (Novec 1230) Note: Add to empty tank cost.	30.00	112.25

21 22 16 00-0013 Nozzles, Sapphire® Fire Suppression Systems (21 22 16 00-0002)

21 22 16 00-0014	EA	1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570515)	113.28	9.36
21 22 16 00-0015	EA	3/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570516)	116.14	9.36
21 22 16 00-0016	EA	1" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570517)	123.31	9.36
21 22 16 00-0017	EA	1-1/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570518)	128.33	9.36
21 22 16 00-0018	EA	1-1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570519)	135.49	9.36
21 22 16 00-0019	EA	2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570520)	156.97	9.36
21 22 16 00-0020	EA	1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570602)	113.28	9.36
21 22 16 00-0021	EA	3/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570603)	116.14	9.36
21 22 16 00-0022	EA	1" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570604)	123.31	9.36
21 22 16 00-0023	EA	1-1/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570605)	128.33	9.36
21 22 16 00-0024	EA	1-1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570606)	135.49	9.36
21 22 16 00-0025	EA	2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570607)	156.97	9.36

21 22 16 00-0026 Actuation Attachments, Sapphire® Fire Suppression System (21 22 16 00-0002)

21 22 16 00-0027	EA	7/16-20 To 1/4" NPT, Male Actuation Elbow, Sapphire® Fire Suppression System (Ansul 31810)	10.03	2.81
21 22 16 00-0028	EA	7/16-20 To 1/4" NPT, Male Actuation Tee, Sapphire® Fire Suppression System (Ansul 31811)	11.26	2.81
21 22 16 00-0029	EA	1/4" NPT To 7/16-20, Male Actuation Connector, Sapphire® Fire Suppression System (Ansul 32338)	15.10	6.55
21 22 16 00-0030	EA	16" Actuation Hose, Sapphire® Fire Suppression System (Ansul 73597)	36.22	8.38
21 22 16 00-0031	EA	32" Actuation Hose, Sapphire® Fire Suppression System (Ansul 415142)	54.01	8.38
21 22 16 00-0032	EA	42" Actuation Hose, Sapphire® Fire Suppression System (Ansul 430815)	65.35	8.38
21 22 16 00-0033	EA	24", Stainless Steel, Swivel, Braided Actuation Hose, Sapphire® Fire Suppression System (Ansul 32336)	32.13	8.38
21 22 16 00-0034	EA	Pneumatic Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537)	222.03	74.84
21 22 16 00-0035	EA	Local Manual Actuator, Sapphire® Fire Suppression System (Ansul 570549)	215.41	56.13
21 22 16 00-0036	EA	Electric Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537)	488.54	74.84

21 22 16 00-0037 Nameplates, Sapphire® Fire Suppression Systems (21 22 16 00-0002)

21 22 16 00-0038	EA	Warning Plate For Use Outside Room, Sapphire® Fire Suppression Systems (Ansul 570580)	35.90	9.36
21 22 16 00-0039	EA	Warning Plate for Use Inside Room, Sapphire® Fire Suppression Systems (Ansul 570581)	39.14	9.36

21 22 16 00-0040 Cylinder Bracketing, Sapphire® Fire Suppression Systems (21 22 16 00-0002)

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0041	EA	Tank Bracket Assembly For 20 LB, 40 LB, 50 LB, 80 LB And 90 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570085)	110.58	28.06
21 22 16 00-0042	EA	Tank Bracket Assembly For 140 LB, 280 LB, 390 LB And 450 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570085)	117.03	28.06
21 22 16 00-0043	EA	Tank Bracket Assembly For 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570336)	125.27	28.06
21 22 16 00-0044		Check Valves, Sapphire® Fire Suppression Systems *(21 22 16 00-0002)*		
21 22 16 00-0045	EA	1" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570566)	303.31	29.79
21 22 16 00-0046	EA	2" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570568)	425.60	51.11
21 22 16 00-0047		Discharge Hose, Sapphire® Fire Suppression Systems *(21 22 16 00-0002)*		
21 22 16 00-0048	EA	1" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570539)	94.02	18.71
21 22 16 00-0049	EA	2" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570538)	357.66	18.71
21 22 16 00-0050	EA	3" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 69990)	301.06	18.71
21 22 16 00-0051	EA	3" Discharge Hose And Check Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 69841)	1,315.99	74.84
21 22 16 00-0052		Swivel Adaptors, Sapphire® Fire Suppression Systems *(21 22 16 00-0002)*		
21 22 16 00-0053	EA	1" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570557)	33.47	13.09
21 22 16 00-0054	EA	2" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570558)	60.26	13.09
21 22 16 00-0055	EA	3" Flare To 3" Grooved, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69471)	169.16	9.36
21 22 16 00-0056	EA	3" Flare To 3" NPT, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69470)	218.36	9.36
21 22 16 00-0057		Pressure Switches, Sapphire® Fire Suppression Systems *(21 22 16 00-0002)*		
21 22 16 00-0058	EA	Cylinder Low Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 570585)	122.48	37.42
21 22 16 00-0059	EA	Pressure Trip, Sapphire® Fire Suppression Systems (Ansul 5156)	125.28	15.71
21 22 16 00-0060	EA	Weather Proof, DPST Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 46250)	383.86	65.48
21 22 16 00-0061		Level Indicators, Sapphire® Fire Suppression Systems *(21 22 16 00-0002)*		
21 22 16 00-0062	EA	Liquid Level Indicator For 280 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570277)	454.60	13.09
21 22 16 00-0063	EA	Liquid Level Indicator For 390 LB And 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570278)	476.10	13.09
21 22 16 00-0064	EA	Liquid Level Indicator For 450 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570589)	509.53	18.71
21 22 16 00-0065		Inspection/Maintenance Devices, Sapphire® Fire Suppression Systems *(21 22 16 00-0002)*		
21 22 16 00-0066	EA	Master Tank Pilot Port Male Adaptor, Sapphire® Fire Suppression Systems (Ansul 570342)	33.91	11.22
21 22 16 00-0067	EA	Cylinder Valve Pressure Gauge, Sapphire® Fire Suppression Systems (Ansul 570642)	42.59	13.09
21 22 16 00-0068	EA	Recharge Top Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570579)	141.05	56.13
21 22 16 00-0069	EA	1" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570576)	165.62	56.13
21 22 16 00-0070	EA	2" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570592)	186.04	56.13
21 22 16 00-0071	EA	3" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 69891)	251.95	56.13
21 22 16 00-0072		Replacement Parts, Sapphire® Fire Suppression Systems *(21 22 16 00-0002)*		
21 22 16 00-0073	EA	O-Ring Kit, Sapphire® Fire Suppression Systems (Ansul 570559)	40.25	14.97
21 22 16 00-0074	EA	Recoil Cap, Sapphire® Fire Suppression Systems (Ansul 570553)	67.78	9.36
21 22 16 00-0075	EA	Burst Disc Assembly, Sapphire® Fire Suppression Systems (Ansul 570053)	90.80	18.71
21 22 16 00-0076	EA	Bonnet Assembly, Sapphire® Fire Suppression Systems (Ansul 570543)	237.08	74.84
21 22 16 00-0077	EA	Piston Assembly, Sapphire® Fire Suppression Systems (Ansul 570551)	362.44	74.84
21 22 16 00-0078	EA	1" Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570535)	1,241.47	74.84
21 22 16 00-0079		Inergen® Fire Suppression System *(21 22 16 00-0001)*		
21 22 16 00-0080		Actuation Attachments, Inergen® Fire Suppression System *(21 22 16 00-0079)*		
21 22 16 00-0081	EA	Flexible Discharge Bend For CV90 And CV98 (200 Bar), Inergen® Fire Suppression System (Ansul 427082)	132.37	18.54
21 22 16 00-0082	EA	Metron Protractor Replacement Cartridges, Inergen® Fire Suppression System (Ansul 423958)	154.07	19.92
21 22 16 00-0083	EA	Electric Actuator, Lever, CV98, Inergen® Fire Suppression System (Ansul 423309)	275.63	36.07
21 22 16 00-0084	EA	Electric Actuator For CV90 Valve, Inergen® Fire Suppression System (Ansul 426876)	553.35	82.14
21 22 16 00-0085		Check Valves, Inergen® Fire Suppression System *(21 22 16 00-0079)*		
21 22 16 00-0086	EA	2" Bronze Check Valve, Weld Neck Flange, Inergen® Fire Suppression System (Ansul 840794)	1,383.32	129.96
21 22 16 00-0087		Components, Inergen® Fire Suppression System *(21 22 16 00-0079)*		
21 22 16 00-0088	EA	1/2" Manifold Relief Valve, Inergen® Fire Suppression System (Ansul 418378)	39.31	5.68
21 22 16 00-0089	EA	Pressure Operated Siren, Inergen® Fire Suppression System (Ansul 419700)	462.86	60.91
21 22 16 00-0090	EA	30 Second Pneumatic Time Delay, Inergen® Fire Suppression System (Ansul 54169)	1,440.78	190.59
21 22 16 00-0091	EA	60 Second Time Delay, Inergen® Fire Suppression System (Ansul 426170)	1,371.97	194.17
21 22 16 00-0092		Cylinders, Inergen® Fire Suppression System *(21 22 16 00-0079)* Note: Includes CV98 valve. Factory filled with Inergen agent.		
21 22 16 00-0093	EA	200 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426147)	1,199.95	174.44

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0094	EA	250 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426148)	1,361.21	197.63
21 22 16 00-0095	EA	350 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426620)	1,950.42	256.10
21 22 16 00-0096	EA	435 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426150)	1,949.38	312.95
21 22 16 00-0097	EA	250 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426257)	1,406.48	220.35
21 22 16 00-0098	EA	350 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426621)	1,996.02	278.91
21 22 16 00-0099	EA	435 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426259)	2,055.56	336.29
21 22 16 00-0100		Inspection/Maintenance Devices, Inergen® Fire Suppression System *(21 22 16 00-0079)*		
21 22 16 00-0101	EA	CV90 Fill Adaptor To CV98 Valve, Conversion Adapter, Inergen® Fire Suppression System (Ansul 423657)	45.32	6.34
21 22 16 00-0102	EA	CV98 To CV90 Conversion Adapter, Cylinder Test Gauge, Inergen® Fire Suppression System (Ansul 426181)	45.32	6.34
21 22 16 00-0103	EA	CV90 Pressure Test Assembly Venting Kit, Inergen® Fire Suppression System (Ansul 426954)	54.71	7.05
21 22 16 00-0104	EA	Pressure Test Gauge, Inergen® Fire Suppression System (Ansul 423923)	863.35	121.04
21 22 16 00-0105		Multiple Cylinder Bracketing, Inergen® Fire Suppression System *(21 22 16 00-0079)*		
21 22 16 00-0106	EA	13" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418502) Note: For single row 435 cubic foot cylinders.	14.56	1.85
21 22 16 00-0107	EA	27" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418503) Note: For double row 435 cubic foot cylinders.	20.66	2.65
21 22 16 00-0108		Nameplates, Inergen® Fire Suppression System *(21 22 16 00-0079)*		
21 22 16 00-0109	EA	Warning Plate, Nameplate, Inside Room With Alarm, Inergen® Fire Suppression System (Ansul 416265)	16.05	2.07
21 22 16 00-0110	EA	Warning Plate, Nameplate, Outside Room Without Alarm, Inergen® Fire Suppression System (Ansul 416266)	14.82	2.07
21 22 16 00-0111		Nozzle Deflector Shields, Inergen® Fire Suppression System *(21 22 16 00-0079)*		
21 22 16 00-0112	EA	1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417708)	64.44	8.93
21 22 16 00-0113	EA	3/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417711)	67.60	9.36
21 22 16 00-0114	EA	1" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417714)	78.57	10.81
21 22 16 00-0115	EA	1-1/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417717)	87.56	12.20
21 22 16 00-0116	EA	1-1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417720)	100.44	14.03
21 22 16 00-0117		Nozzles, Inergen® Fire Suppression System *(21 22 16 00-0079)*		
21 22 16 00-0118	EA	1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417908)	98.67	13.83
21 22 16 00-0119	EA	3/8" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417723)	102.38	14.23
21 22 16 00-0120	EA	1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417362)	94.44	13.17
21 22 16 00-0121	EA	3/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417363)	96.65	14.23
21 22 16 00-0122	EA	1" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417364)	112.27	15.65
21 22 16 00-0123	EA	1-1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417365)	120.04	16.67
21 22 16 00-0124	EA	1-1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417366)	129.22	17.89
21 22 16 00-0125	EA	2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426155)	222.39	31.31
21 22 16 00-0126	EA	2-1/2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426156)	294.05	41.07
21 22 16 00-0127	EA	3" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426137)	320.54	45.13
21 22 16 00-0128	EA	1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426138)	114.89	16.26
21 22 16 00-0129	EA	3/8" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426139)	135.55	19.03
21 22 16 00-0130	EA	1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426140)	111.54	15.65
21 22 16 00-0131	EA	3/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426141)	119.17	16.59
21 22 16 00-0132	EA	1" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426142)	120.21	16.67
21 22 16 00-0133	EA	1-1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426143)	145.10	20.25
21 22 16 00-0134	EA	1-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426157)	156.38	21.96
21 22 16 00-0135	EA	2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426144)	240.05	33.69
21 22 16 00-0136	EA	2-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426145)	280.27	39.44
21 22 16 00-0137	EA	3" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426146)	307.11	43.11
21 22 16 00-0138		Pressure Reducers, Inergen® Fire Suppression System *(21 22 16 00-0079)*		
21 22 16 00-0139	EA	1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416677)	129.22	17.89
21 22 16 00-0140	EA	3/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416678)	158.52	22.28
21 22 16 00-0141	EA	1" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416679)	170.50	23.99
21 22 16 00-0142	EA	1-1/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416680)	240.05	33.69
21 22 16 00-0143	EA	1-1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416681)	262.28	36.92
21 22 16 00-0144	EA	2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416682)	308.15	43.11
21 22 16 00-0145	EA	2-1/2" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417057)	358.27	50.54
21 22 16 00-0146	EA	3" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417058)	423.56	59.78
21 22 16 00-0147	EA	2-1/2" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426823)	547.80	77.58
21 22 16 00-0148	EA	3" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426824)	730.29	103.29
21 22 16 00-0149	EA	4" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426825)	833.02	117.76
21 22 16 00-0150	EA	2-1/2" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426847)	528.05	74.53
21 22 16 00-0151	EA	3" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426848)	583.12	82.37
21 22 16 00-0152	EA	4" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426849)	833.02	117.76
21 22 16 00-0153	EA	2-1/2" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426853)	544.28	76.86
21 22 16 00-0154	EA	3" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426854)	606.06	85.60
21 22 16 00-0155	EA	4" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426855)	831.82	125.76
21 22 16 00-0156		Pressure Switches, Inergen® Fire Suppression System *(21 22 16 00-0079)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0157	EA	3PST, Pressure Switch, Inergen® Fire Suppression System (Ansul 842344)	606.41	89.87
21 22 16 00-0158		**Releasing Device Equipment, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0159	EA	12 Or 24 Volt DC, Assembly, Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 17728)	995.03	139.42
21 22 16 00-0160	EA	24 Volt DC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 31492)	1,417.46	185.78
21 22 16 00-0161	EA	120 Volt AC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 32525)	1,503.44	188.98
21 22 16 00-0162	EA	Cocking Lever For Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 26310)	70.26	9.61
21 22 16 00-0163	EA	LT-30-R Nitrogen Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 5373)	83.88	12.73
21 22 16 00-0164	EA	Remote Actuator Booster With N2 Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 28939)	805.46	99.46
21 22 16 00-0165		**Replacement Orifice Plates, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0166	EA	1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418095)	88.20	9.44
21 22 16 00-0167	EA	3/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418096)	92.44	9.95
21 22 16 00-0168	EA	1" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418097)	97.09	10.11
21 22 16 00-0169	EA	1-1/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418098)	104.20	10.45
21 22 16 00-0170	EA	1-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418099)	108.40	11.46
21 22 16 00-0171	EA	2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418100)	108.84	12.39
21 22 16 00-0172	EA	2-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426984)	238.27	33.21
21 22 16 00-0173	EA	3" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426985)	240.39	33.55
21 22 16 00-0174	EA	4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426986)	308.15	42.99
21 22 16 00-0175		**Single Cylinder Bracketing, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0176	EA	Strap For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427704)	112.27	15.65
21 22 16 00-0177	EA	Channel For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427705) Note: Includes saddle, padding and fasteners.	152.77	35.79
21 22 16 00-0178		**Single Mating Flanges, Flanged Manifold Orifices, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0179	EA	2 1/2" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426856) Note: Includes gasket and fasteners.	293.86	23.14
21 22 16 00-0180	EA	3" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426857) Note: Includes gasket and fasteners.	246.05	34.55
21 22 16 00-0181	EA	4" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426858) Note: Includes gasket and fasteners.	279.25	39.31
21 22 16 00-0182	EA	2-1/2" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426859) Note: Includes gasket and fasteners.	154.27	21.61
21 22 16 00-0183	EA	3" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426860) Note: Includes gasket and fasteners.	181.09	25.21
21 22 16 00-0184	EA	4" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426861) Note: Includes gasket and fasteners.	274.27	38.63
21 22 16 00-0185	EA	2-1/2" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426862) Note: Includes gasket and fasteners.	160.60	22.63
21 22 16 00-0186	EA	3" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426863) Note: Includes gasket and fasteners.	188.17	26.38
21 22 16 00-0187	EA	4" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426864) Note: Includes gasket and fasteners.	299.33	42.20
21 22 16 00-0188	EA	2-1/2" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426828) Note: Includes a stainless steel inner ring and a carbon steel outer ring.	31.65	1.71
21 22 16 00-0189	EA	3" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426829) Note: Includes a stainless steel inner ring and a carbon steel outer ring.	32.00	1.89
21 22 16 00-0190	EA	4" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426830) Note: Includes a stainless steel inner ring and a carbon steel outer ring.	34.44	2.24
21 22 16 00-0191		**Upright And Feet, Cylinder Bracketing, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0192	EA	Center Upright Foot, Inergen® Fire Suppression System (Ansul 418508)	19.66	2.75
21 22 16 00-0193	EA	Double Row, Back-To-Back Rows, Weigh Rail Support, Inergen® Fire Suppression System (Ansul 423027)	161.84	20.91
21 22 16 00-0194	EA	85" High, Cylinder Bracketing For 425 CF And LC100 Cylinders, Inergen® Fire Suppression System (Ansul 426592) Note: Includes upright, left, right and center.	120.30	20.91
21 22 16 00-0195		**Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0001)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0196		**Accessory Switches, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0197	EA	Abort, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76495)	126.69	18.04
21 22 16 00-0198	EA	Abort, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76494)	143.98	20.57
21 22 16 00-0199	EA	Main/Reserve, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76497)	183.14	26.13
21 22 16 00-0200	EA	Main/Reserve, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76496)	197.26	28.15
21 22 16 00-0201	EA	Maintenance, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76499)	246.99	35.40
21 22 16 00-0202	EA	Maintenance, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76498)	262.89	37.60
21 22 16 00-0203	EA	Explosion Proof, Abort Switch, Autopulse® Fire Detection And Control Equipment (Ansul 65956)	503.85	72.49
21 22 16 00-0204	EA	Single Gang, Surface Mount Back Box For Accessory Switches, Autopulse® Fire Detection And Control Equipment (Ansul 76490)	40.60	5.40
21 22 16 00-0205		**Alarm Devices, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0206	EA	Selectable Candela Strobe, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429698)	109.75	15.68
21 22 16 00-0207	EA	Sync Module, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429699)	160.92	22.92
21 22 16 00-0208	EA	Back Box Extender Adapter, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429702)	14.68	2.09
21 22 16 00-0209		**Annunciators, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0210	EA	80 Character LCD, Annunciator, LCD-80, Autopulse® Fire Detection And Control Equipment (Ansul 417492)	1,264.36	181.90
21 22 16 00-0211	EA	16 Zone Alarm/Trouble, Annunciator Control Module, ACM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417496)	1,059.93	152.40
21 22 16 00-0212	EA	16 Zone Alarm/Trouble, Annunciator Expander Module, AEM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417497)	822.80	118.34
21 22 16 00-0213	EA	32 Zone, Alarm Annunciator Expander Module, AEM-32A, Autopulse® Fire Detection And Control Equipment (Ansul 417500)	716.61	103.01
21 22 16 00-0214	EA	Annunciator Lamp Driver Control Module, LDM-32, Autopulse® Fire Detection And Control Equipment (Ansul 417501)	716.61	103.01
21 22 16 00-0215	EA	Annunciator Lamp Driver Expander Module, LDM-E32, Autopulse® Fire Detection And Control Equipment (Ansul 417502)	574.08	82.44
21 22 16 00-0216	EA	Annunciator Lamp Driver Relay Module, LDM-R32, Autopulse® Fire Detection And Control Equipment (Ansul 417650)	1,059.93	152.40
21 22 16 00-0217	EA	24", Annunciator Lamp Driver Cable, LDM-CBL24, Autopulse® Fire Detection And Control Equipment (Ansul 417651)	215.59	30.85
21 22 16 00-0218	EA	48", Annunciator Lamp Driver Cable, LDM-CBL48, Autopulse® Fire Detection And Control Equipment (Ansul 417652)	270.27	38.78
21 22 16 00-0219	EA	8 Relay, Annunciator Control Module, ACM-8R, Autopulse® Fire Detection And Control Equipment (Ansul 417653)	541.95	77.89
21 22 16 00-0220	EA	Key Switch, AKS-1 Annunciator Accessory, Autopulse® Fire Detection And Control Equipment (Ansul 417660)	91.58	13.06
21 22 16 00-0221	EA	Low Profile Annunciator Chassis, CHS-4L, Autopulse® Fire Detection And Control Equipment (Ansul 418576) Note: For up to 4 LDM modules.	124.53	18.04
21 22 16 00-0222	EA	Flush, Single Annunciator Back Box, ABF-1, Autopulse® Fire Detection And Control Equipment (Ansul 417657)	215.60	30.85
21 22 16 00-0223		**Autopulse IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0224	EA	CHS-4 Chassis, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419586)	167.49	25.12
21 22 16 00-0225	EA	REL 47K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419639)	10.35	1.72
21 22 16 00-0226	EA	REL 4.7K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419640)	73.00	2.09
21 22 16 00-0227	EA	REL 2.2K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 407765)	11.17	2.09
21 22 16 00-0228		**Autopulse IQ-396X Modules, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0229	EA	Indicating Circuit Expander, IQ-396X Modules, ICE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419564)	372.30	56.30
21 22 16 00-0230	EA	Control Relay Expander, IQ-396X Modules, CRE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419566)	223.19	33.55
21 22 16 00-0231		**Batteries And Power Supplies, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0232	EA	7 Amp Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417692)	164.68	21.57
21 22 16 00-0233	EA	12 Amp Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417693)	344.38	45.69
21 22 16 00-0234	EA	18 Amp Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417694)	388.62	51.76
21 22 16 00-0235	EA	25 Amp Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417695)	508.17	63.05
21 22 16 00-0236	EA	55 Amp Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417997)	818.86	109.41
21 22 16 00-0237	EA	BB-17, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 418578)	122.47	17.36
21 22 16 00-0238	EA	BB-25, Grey Cabinet, Autopulse® Fire Detection And Control Equipment (Ansul 428079) Note: Holds six XP5 modules or 25AH battery pack.	218.76	31.35
21 22 16 00-0239	EA	BB-55, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 419410) Note: For mounting in BB-55 battery box.	444.93	63.90
21 22 16 00-0240	EA	Battery Charger, CHG-120, Autopulse® Fire Detection And Control Equipment (Ansul 426207) Note: For mounting in BB-55 battery box.	1,293.47	186.12
21 22 16 00-0241	EA	120 Volt AC, FCPS-24F, Red Remote Power Supply, Autopulse® Fire Detection And Control Equipment (Ansul 418563)	945.95	136.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0242		**Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0243	EA	Monitor Module, Intelligent Addressable Devices, FMM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428097)	99.66	14.41
21 22 16 00-0244	EA	Mini Monitor Module, Intelligent Addressable Devices, FMM-101, Autopulse® Fire Detection And Control Equipment (Ansul 428098)	93.05	14.33
21 22 16 00-0245	EA	Isolator Module, Intelligent Addressable Devices, ISO-X, Autopulse® Fire Detection And Control Equipment (Ansul 417480)	126.07	20.57
21 22 16 00-0246	EA	2-Wire Detector Monitor Module, Intelligent Addressable Devices, FZM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428100)	187.37	26.80
21 22 16 00-0247	EA	NAC Control Module, Intelligent Addressable Devices, FCM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428101)	145.63	21.75
21 22 16 00-0248	EA	Control Relay Module, Intelligent Addressable Devices, FRM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428102)	136.77	20.91
21 22 16 00-0249	EA	Flangeless, Analog Addressable Detector Base, Intelligent Addressable Devices, B501, Autopulse® Fire Detection And Control Equipment (Ansul 417487)	21.79	3.33
21 22 16 00-0250	EA	Analog Addressable Detector Base With Isolator, Intelligent Addressable Devices, B224BI, Autopulse® Fire Detection And Control Equipment (Ansul 426125)	80.42	11.80
21 22 16 00-0251	EA	Harsh Detector, Analog Addressable Detector Base, Intelligent Addressable Devices, B710HD, Autopulse® Fire Detection And Control Equipment (Ansul 427066)	80.46	11.46
21 22 16 00-0252	EA	HPX-751 Detector Filter Cover, Intelligent Addressable Devices, FR-FTX, Autopulse® Fire Detection And Control Equipment (Ansul 427067)	28.31	9.44
21 22 16 00-0253	EA	Low Profile Trim Ring, Intelligent Addressable Devices, F110, Autopulse® Fire Detection And Control Equipment (Ansul 428138) Note: Converts BX501 to low profile base.	7.41	1.05
21 22 16 00-0254	EA	Relay Base, Intelligent Addressable Devices, B224RB, Autopulse® Fire Detection And Control Equipment (Ansul 423945)	77.44	11.04
21 22 16 00-0255	EA	EOL Power Supervision Relay, Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment (Ansul 417699)	45.36	6.51
21 22 16 00-0256	EA	XP5 Modules Cabinet, Intelligent Addressable Devices, BB-XP, Autopulse® Fire Detection And Control Equipment (Ansul 428078)	122.83	17.19
21 22 16 00-0257	EA	BB-25 Chassis, Intelligent Addressable Devices, CHS-6, Autopulse® Fire Detection And Control Equipment (Ansul 428080)	64.23	9.10
21 22 16 00-0258		**Manual Pull Stations, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0259	EA	Break Rod Package For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 428661)	18.50	2.45
21 22 16 00-0260	EA	Key Pull Station For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 418336)	11.48	1.35
21 22 16 00-0261		**Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0262	EA	Transmitter Module, 4XTM, Autopulse® Fire Detection And Control Equipment (Ansul 417470) Note: Includes municipal box and remote station connection.	160.92	22.92
21 22 16 00-0263	EA	Relay/Transmitter Module With 8 Form C Relay Contacts, RTM-8, Autopulse® Fire Detection And Control Equipment (Ansul 417471)	484.12	65.92
21 22 16 00-0264	EA	Universal Digital Alarm COM/XMTR Module, UDACT, Autopulse® Fire Detection And Control Equipment (Ansul 419411)	923.73	132.85
21 22 16 00-0265	EA	Ferrite Core For Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment (Ansul 419635)	24.64	3.43
21 22 16 00-0266		**Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0001)*		
21 22 16 00-0267		**Batteries And Power Supplies, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0268	EA	Transformer Only, VSP-TRAN-120, Vesda® Aspirating Smoke Detection System (Ansul 430482)	125.33	16.19
21 22 16 00-0269	EA	Battery Cabinet, VBC-001, Vesda® Aspirating Smoke Detection System (Ansul 430379)	350.57	46.86
21 22 16 00-0270	EA	120 Volt AC, Single Zone Power Supply With Housing, VPS-100US-120, Vesda® Aspirating Smoke Detection System (Ansul 430374)	696.75	94.40
21 22 16 00-0271	EA	220 Volt AC, Single Zone Power Supply With Housing, VPS-100US-220, Vesda® Aspirating Smoke Detection System (Ansul 430375)	696.75	94.40
21 22 16 00-0272	EA	120 Volt AC, Multi Zone Power Supply, VPS-300US-120, Vesda® Aspirating Smoke Detection System (Ansul 430376) Note: Includes housing and battery cab.	1,046.89	141.61
21 22 16 00-0273	EA	220 Volt AC, Multi Zone Power Supply, VPS-300US-220, Vesda® Aspirating Smoke Detection System (Ansul 430377) Note: Includes housing and battery cab.	1,046.89	141.61
21 22 16 00-0274	EA	48 Volt DC, Multi Zone Power Supply With Housing, VPS-400US-48, Vesda® Aspirating Smoke Detection System (Ansul 430378)	1,531.47	180.39
21 22 16 00-0275		**Blank Plates, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0276	EA	Blank Plate Without VESDA Logo, VSP-300, Vesda® Aspirating Smoke Detection System (Ansul 430459)	22.47	3.03
21 22 16 00-0277	EA	Blank Plate With VESDA Logo, VSP-000, Vesda® Aspirating Smoke Detection System (Ansul 430458)	34.00	3.03
21 22 16 00-0278	EA	Blank Plate, EMC Painted Without Logo, VSP-200, Vesda® Aspirating Smoke Detection System (Ansul 430484)	49.26	5.73
21 22 16 00-0279	EA	Single Blank Plate, VRE-001, Vesda® Aspirating Smoke Detection System (Ansul 430446)	76.92	6.41
21 22 16 00-0280	EA	Double Blank Plate, VRE-002, Vesda® Aspirating Smoke Detection System (Ansul 430447)	96.34	12.81
21 22 16 00-0281	EA	Blank Plate Without FOK LED's And Logo, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430480)	179.07	16.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0282		**Detectors, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0283	EA	LaserPLUS, Detector Only, Enclosure, VLP-000, Vesda® Aspirating Smoke Detection System (Ansul 430350) Note: Includes 3 blank plates.	5,255.71	792.34
21 22 16 00-0284	EA	LaserPLUS Detector, VLP-012, Vesda® Aspirating Smoke Detection System (Ansul 430354) Note: Includes centrally mounted LCD programmer module and standard display.	6,708.35	977.78
21 22 16 00-0285	EA	LaserPLUS Detector, VLP-010, Vesda® Aspirating Smoke Detection System (Ansul 430356) Note: Includes centrally mounted LCD programmer.	6,065.13	893.49
21 22 16 00-0286	EA	7-Relay Version, LaserSCANNER Detector Only, VLS-200, Vesda® Aspirating Smoke Detection System (Ansul 430357)	8,438.41	1,180.09
21 22 16 00-0287	EA	12-Relay Version, LaserSCANNER Detector Only, VLS-300, Vesda® Aspirating Smoke Detection System (Ansul 430358)	8,883.82	1,247.52
21 22 16 00-0288	EA	7-Relay Version, LaserSCANNER Detector Only, VLS-600, Vesda® Aspirating Smoke Detection System (Ansul 430359) Note: Includes 1 fire alarm (any SCT) and OK/FOK LEDs.	8,530.96	1,196.95
21 22 16 00-0289	EA	12-Relay Version, LaserSCANNER Detector Only, VLS-700, Vesda® Aspirating Smoke Detection System (Ansul 430360) Note: Includes 1 fire alarm (any SCT) and OK/FOK LED.	9,009.73	1,264.38
21 22 16 00-0290	EA	7-Relay, LaserSCANNER Detector Only, VLS-204, Vesda® Aspirating Smoke Detection System (Ansul 430361) Note: Includes 2 blank plates and scan display module at far right.	9,266.02	1,314.95
21 22 16 00-0291	EA	12-Relay, LaserSCANNER Detector, VLS-304, Vesda® Aspirating Smoke Detection System (Ansul 430363) Note: Includes 2 blank plates and scanner display.	9,667.26	1,382.38
21 22 16 00-0292	EA	7-Relay, LaserSCANNER Detector, VLS-214, Vesda® Aspirating Smoke Detection System (Ansul 430365) Note: Includes centrally mounted programmer module.	10,161.40	1,449.81
21 22 16 00-0293	EA	12-Relay, LaserSCANNER Detector, VLS-314, Vesda® Aspirating Smoke Detection System (Ansul 430367) Note: Includes centrally mounted LCD programmer module and scanner display module.	10,594.88	1,517.25
21 22 16 00-0294	EA	12-Relay, LaserSCANNER Detector, VLS-310, Vesda® Aspirating Smoke Detection System (Ansul 430369) Note: Includes centrally mounted LCD programmer.	9,960.52	1,382.38
21 22 16 00-0295		**Displays, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0296	EA	VRT-200 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430381) Note: Includes a remote termination card and 7 relays.	1,603.09	185.44
21 22 16 00-0297	EA	VRT-400 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430385) Note: Includes a remote termination card and 7 relays.	1,610.98	185.44
21 22 16 00-0298	EA	VRT-600 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430383) Note: Includes a remote termination card without relays.	1,451.76	168.58
21 22 16 00-0299	EA	VRT-700 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430387) Note: Includes a remote termination card.	1,460.92	168.58
21 22 16 00-0300	EA	VRT-800 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430389) Note: Includes a remote termination card and 12 relays.	1,806.24	202.30
21 22 16 00-0301	EA	VRT-K00 Display, Compact Version Without Relays, Vesda® Aspirating Smoke Detection System (Ansul 430391)	1,534.69	175.32
21 22 16 00-0302	EA	VRT-J00 Display, Compact Version With 7 Relays, Vesda® Aspirating Smoke Detection System (Ansul 430393)	1,679.57	196.91
21 22 16 00-0303		**Intelligent Addressable Devices, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0304	EA	LaserCOMPACT (VN), VESDAnet Version Plus Relay Output, VLC-505, Vesda® Aspirating Smoke Detection System (Ansul 430370)	4,024.68	556.32
21 22 16 00-0305	EA	LaserCOMPACT (RO), Relay Only Version, VLC-500, Vesda® Aspirating Smoke Detection System (Ansul 430372)	3,315.58	445.06
21 22 16 00-0306	EA	Programmer With Remote Termination Card, VRT-100, Vesda® Aspirating Smoke Detection System (Ansul 430380)	1,171.46	168.58
21 22 16 00-0307	EA	VESDAnet Socket, VRT-300, Vesda® Aspirating Smoke Detection System (Ansul 430395)	844.19	109.58
21 22 16 00-0308	EA	System Relay Module, VRT-S07, Vesda® Aspirating Smoke Detection System (Ansul 430399)	1,176.53	147.67
21 22 16 00-0309	EA	PC-Link High-Level Interface, VHX-0200, Vesda® Aspirating Smoke Detection System (Ansul 430442) Note: Interface connects PC and LaserPLUS system.	1,426.42	182.07
21 22 16 00-0310	EA	Modem Cable, PC-HLI To Modem Connection, VHX-00090, Vesda® Aspirating Smoke Detection System (Ansul 430443)	221.96	27.32
21 22 16 00-0311	EA	Hand-Held Programmer, VHH-1000, Vesda® Aspirating Smoke Detection System (Ansul 430444)	1,485.27	168.58
21 22 16 00-0312	EA	Programmer Module, VSP-001, Vesda® Aspirating Smoke Detection System (Ansul 430460)	1,059.48	139.93
21 22 16 00-0313	EA	VESDAnet Socket Kit, VSP-003, Vesda® Aspirating Smoke Detection System (Ansul 430463)	832.23	107.89
21 22 16 00-0314	EA	Standard Display Module, VSP-002, Vesda® Aspirating Smoke Detection System (Ansul 430461)	1,061.20	139.93
21 22 16 00-0315	EA	Scanner Display Module, VSP-004, Vesda® Aspirating Smoke Detection System (Ansul 430464)	1,059.48	139.93
21 22 16 00-0316	EA	Remote Display Module, Compact (VN), VSP-502, Vesda® Aspirating Smoke Detection System (Ansul 430487)	1,048.09	131.50
21 22 16 00-0317	EA	Filter Cartridge, VSP-005, Vesda® Aspirating Smoke Detection System (Ansul 430466)	124.92	11.80
21 22 16 00-0318	EA	Detector Chassis Assembly, VSP-006, Vesda® Aspirating Smoke Detection System (Ansul 430467)	5,063.16	647.36
21 22 16 00-0319	EA	Scanner Chassis Assembly, VSP-009, Vesda® Aspirating Smoke Detection System (Ansul 430470)	8,822.25	1,132.88
21 22 16 00-0320	EA	Detector Cover Assembly With EMC Shields, VSP-013, Vesda® Aspirating Smoke Detection System (Ansul 430473)	102.11	50.57
21 22 16 00-0321	EA	Aspirator For LaserPLUS And Laser Scanner, VSP-015, Vesda® Aspirating Smoke Detection System (Ansul 430475)	689.70	84.29
21 22 16 00-0322	EA	Filter Cover, VSP-019, Vesda® Aspirating Smoke Detection System (Ansul 430477)	15.71	1.68
21 22 16 00-0323	EA	Cover Screws, 17606, Vesda® Aspirating Smoke Detection System (Ansul 430478)	8.91	0.33
21 22 16 00-0324	EA	US Power Supply Circuit Board Only, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430481)	379.78	48.89
21 22 16 00-0325	EA	Relay Processor Module (DRP), VSP-102, Vesda® Aspirating Smoke Detection System (Ansul 430483)	460.11	59.34
21 22 16 00-0326	EA	Aspirator, LaserCOMPACT, VSP-501, Vesda® Aspirating Smoke Detection System (Ansul 430486)	664.17	85.97
21 22 16 00-0327	EA	RO-Cable For LaserCOMPACT Relay Only, (RO) Version, VSP-509, Vesda® Aspirating Smoke Detection System (Ansul 430488)	97.84	12.81
21 22 16 00-0328	EA	Miniature Sampling Point, E700-SP, Vesda® Aspirating Smoke Detection System (Ansul 430502)	15.24	2.70

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0329		**Labels And Decals, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0330	EA	Sampling Point Labels, Roll Of 35, E700-SP-DCL-PIPE, Vesda® Aspirating Smoke Detection System (Ansul 430509)	13.88	2.02
21 22 16 00-0331	EA	Round Point Label, Roll Of 50, E700-SP-DCL-PNT, Vesda® Aspirating Smoke Detection System (Ansul 430505)	14.55	2.36
21 22 16 00-0332	EA	Red, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLR, Vesda® Aspirating Smoke Detection System (Ansul 430506)	22.47	3.03
21 22 16 00-0333	EA	Grey, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLG, Vesda® Aspirating Smoke Detection System (Ansul 430507)	22.50	3.03
21 22 16 00-0334	EA	Sampling Point Decal, Wrap-Around Style, Roll Of 200, E700-SP-DCL, Vesda® Aspirating Smoke Detection System (Ansul 430508)	81.55	11.46
21 22 16 00-0335		**Mounting Hardware, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0336	EA	Remote Mounting Single Box With Escutcheon Only, VKT-000, Vesda® Aspirating Smoke Detection System (Ansul 430456)	201.63	24.27
21 22 16 00-0337	EA	Recessed Mounting Kit For Remote Single Boxes, VSP-012, Vesda® Aspirating Smoke Detection System (Ansul 430472)	271.70	32.37
21 22 16 00-0338	EA	Recessed Mounting Kit For VLP Or VLS Detector, VSP-011, Vesda® Aspirating Smoke Detection System (Ansul 430471)	277.82	35.40
21 22 16 00-0339	EA	Remote 19 Sub Rack With 4 Blank Plates, VSR-0000, Vesda® Aspirating Smoke Detection System (Ansul 430457)	677.99	50.57
21 22 16 00-0340	EA	Sub Rack Enclosure, VRE-100, Vesda® Aspirating Smoke Detection System (Ansul 430445)	995.55	111.26
21 22 16 00-0341		**Pipe And Fittings, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0342	LF	3/4", Orange Chlorinated Polyvinyl Chloride (CPVC) Pipe, Vesda® Aspirating Smoke Detection System (Ansul 430491)	82.07	40.13
21 22 16 00-0343	EA	3/4", End Cap, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430497)	9.73	4.38
21 22 16 00-0344	EA	3/4", 45 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430494)	13.07	6.10
21 22 16 00-0345	EA	3/4", 90 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430493)	13.72	6.10
21 22 16 00-0346	EA	3/4", Coupling, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430495)	13.67	6.10
21 22 16 00-0347	EA	3/4", Union, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430496)	18.40	7.25
21 22 16 00-0348	EA	3/4", Tee, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430498)	22.36	10.16
21 22 16 00-0349	EA	3/4" x 1/2" FPT, Tee, Chlorinated Polyvinyl Chloride (CPVC), Vesda® Aspirating Smoke Detection System (Ansul 430499)	25.17	10.16
21 22 16 00-0350	LF	1/2" OD x 3/8" ID, Black Polyethylene Tubing, Vesda® Aspirating Smoke Detection System (Ansul 430500)	3.60	1.22
21 22 16 00-0351	EA	Pipe Adapters, Metric-To-Imperial, VSP-021, Vesda® Aspirating Smoke Detection System (Ansul 430479)	14.45	3.71
21 22 16 00-0352	EA	Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Plastic, E700-CAP KIT, Vesda® Aspirating Smoke Detection System (Ansul 430503)	17.76	2.70
21 22 16 00-0353	EA	Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Brass, Vesda® Aspirating Smoke Detection System (Ansul 430504)	25.46	3.71
21 22 16 00-0354		**Remote Termination And Relay Cards, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0355	EA	VRT-500, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430396) Note: Remote box includes 7 relays for VLP/VLC.	1,164.70	129.47
21 22 16 00-0356	EA	VN, Compact Termination Card, VSP-515, Vesda® Aspirating Smoke Detection System (Ansul 430490)	1,186.27	149.02
21 22 16 00-0357	EA	12-Relay, Remote Termination Card, VSP-208, Vesda® Aspirating Smoke Detection System (Ansul 430485)	717.98	91.03
21 22 16 00-0358	EA	RO, Compact Termination Card, VSP-510, Vesda® Aspirating Smoke Detection System (Ansul 430489)	820.46	102.83
21 22 16 00-0359	EA	VRT-501, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430397) Note: Remote box includes 7 relays for VLS.	1,164.70	129.47
21 22 16 00-0360	EA	VRT-900 Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430398) Note: Remote box includes 12 relays for VLS.	1,405.87	149.02
21 22 16 00-0361	EA	Remote Termination Card Without Relay, VSP-007, Vesda® Aspirating Smoke Detection System (Ansul 430468)	398.61	45.86
21 22 16 00-0362	EA	Remote Termination Card (RTC7), VSP-008, Vesda® Aspirating Smoke Detection System (Ansul 430469)	599.48	70.13
21 22 16 00-0363	EA	7-Relay, Head Termination Card, VSP-014, Vesda® Aspirating Smoke Detection System (Ansul 430474)	1,128.35	144.99
21 22 16 00-0364	EA	12-Relay, Head Termination Card, VSP-016, Vesda® Aspirating Smoke Detection System (Ansul 430476)	1,655.32	212.42
21 22 16 00-0365		**Preferred® Low Pressure CO2 System** *(21 22 16 00-0001)*		
21 22 16 00-0366		**Manual Pull Stations, Preferred® Low Pressure CO2 System** *(21 22 16 00-0365)*		
21 22 16 00-0367	EA	Addressable, DPST, Dual Action Pull Station, Preferred® Low Pressure CO2 System (Ansul 428658) Note: Excludes FMM-101.	89.34	11.80
21 22 16 00-0368	EA	Weatherproof Backbox For Manual Pull Stations, Preferred® Low Pressure CO2 System (Ansul 428659)	66.84	8.76
21 22 16 00-0369		**Industrial Fire Control System** *(21 22 16 00-0001)*		
21 22 16 00-0370		**Alarm Devices, Industrial Fire Control System** *(21 22 16 00-0369)*		
21 22 16 00-0371	EA	Explosion Proof Alarm Horn, Alarm Devices, Industrial Fire Control System (Ansul 65947)	2,161.06	311.04
21 22 16 00-0372	EA	6", 115 Volt AC Alarm Bell For Release Systems, Alarm Devices, Industrial Fire Control System (Ansul 24751)	66.23	7.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0373	EA	24 Volt AC, Multitone Horn, Alarm Devices, Industrial Fire Control System (Ansul 429697)	65.29	9.28
21 22 16 00-0374	EA	Weatherproof Surface Back Box For Horn And Strobe, Alarm Devices, Industrial Fire Control System (Ansul 429700)	38.88	5.56
21 22 16 00-0375	EA	Semi-Flush Plate, Alarm Devices, Industrial Fire Control System (Ansul 429701)	15.89	2.26
21 22 16 00-0376		**Manual Pull Stations, Industrial Fire Control System** *(21 22 16 00-0369)*		
21 22 16 00-0377	EA	SPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428655)	73.83	9.78
21 22 16 00-0378	EA	DPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428656)	104.09	13.83
21 22 16 00-0379	EA	Explosion Proof, DPDT, Dual Action Pull Station, Industrial Fire Control System (Ansul 428657)	812.59	108.57
21 22 16 00-0380	EA	Surface Mounted Backbox For Manual Pull Stations, Industrial Fire Control System (Ansul 428660)	23.63	3.13
21 22 16 00-0381	EA	Extra Pull Station Labels For Manual Pull Stations, Industrial Fire Control System (Ansul 428654)	10.59	1.40
21 22 16 00-0382		**Marine Fire Control System** *(21 22 16 00-0001)*		
21 22 16 00-0383		**Alarm Devices, Marine Fire Control System** *(21 22 16 00-0382)*		
21 22 16 00-0384	EA	Weatherproof Surface Mount Back Box For Alarm Accessories, Alarm Devices, Marine Fire Control System (Ansul 24747)	42.81	5.66
21 22 16 00-0385	EA	6", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417805)	78.88	10.96
21 22 16 00-0386	EA	10", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417806)	78.88	10.96
21 22 16 00-0387		**FM200 System Equipment** *(21 22 16)*		
21 22 16 00-0388	EA	26 LB Cylinder, Filled, For FM200 Fire Protection system	2,273.70	81.33
21 22 16 00-0389	EA	44 LB Cylinder, Filled, For FM200 Fire Protection system	3,256.84	93.12
21 22 16 00-0390	EA	63 LB Cylinder, Filled, For FM200 Fire Protection system	3,865.93	109.79
21 22 16 00-0391	EA	101 LB Cylinder, Filled, For FM200 Fire Protection system	5,122.04	130.13
21 22 16 00-0392	EA	196 LB Cylinder, Filled, For FM200 Fire Protection system	8,001.85	162.65
21 22 16 00-0393	EA	Electro/Mechanical Release, For FM200 Fire Protection system	478.84	162.65
21 22 16 00-0394	EA	Manual Pull Station, For FM200 Fire Protection system	165.72	54.09
21 22 16 00-0395	EA	Pneumatic Damper Release, For FM200 Fire Protection system	190.08	40.66
21 22 16 00-0396	LB	FM200 Gas	14.73	
21 22 16 00-0397	EA	Master Cylinder, For FM200 Fire Protection system	3,700.48	43.75
21 22 16 00-0398	EA	Shuttle Check Valve, For FM200 Fire Protection system	454.46	61.16
21 22 16 00-0399	EA	Flex Head Cylinder, For FM200 Fire Protection system	455.18	65.55
21 22 16 00-0400	EA	Nozzles, For FM200 Fire Protection system	116.74	23.18
21 22 16 00-0401	EA	Cylinder Support, For FM200 Fire Protection system	144.86	43.75
21 22 16 00-0402	EA	Solenoid Valve, For FM200 Fire Protection system	580.27	65.55
21 22 16 00-0403	EA	Battery Back-Up, For FM200 Fire Protection system	497.53	172.90
21 22 16 00-0404	EA	Control Panel, Single Zone, For FM200 Fire Protection system	2,728.65	324.82
21 22 16 00-0405	EA	Control Panel, Multi Zone, For FM200 Fire Protection system	4,435.42	650.38
21 22 16 00-0406	EA	Smoke Or Heat Detector, For FM200 Fire Protection system	205.19	65.55
21 22 16 00-0407	EA	Annunciator, For FM200 Fire Protection system	2,207.88	246.18
21 22 16 00-0408	EA	Pressure Switch, For FM200 Fire Protection system	219.94	65.55
21 22 16 00-0409	EA	Alarm Horn, For FM200 Fire Protection system	203.76	65.55
21 22 16 00-0410	EA	Testing, For FM200 Fire Protection system	1,005.62	
21 22 16 00-0411	EA	Abort Switch, For FM200 Fire Protection system	133.58	30.50

21 23 Wet-Chemical Fire-Extinguishing Systems *(21 20)*

21 23 16 Wet-Chemical Fire-Extinguishing Equipment *(21 23)*

21 23 16 00-0001 Kidde Fire Systems *(21 23 16)*

Note: Kidde or equal.

21 23 16 00-0002 Cylinders And Hardware *(21 23 16 00-0001)*

21 23 16 00-0003	EA	125 Cylinder And Valve Assembly With 1.25 Gallon of Wet Agent	506.52	67.36
21 23 16 00-0004	EA	260 Cylinder And Valve Assembly With 2.6 Gallon Of Wet Agent	585.72	83.90
21 23 16 00-0005	EA	400S And M Cylinder And Valve Assembly With 4 Gallon Of Wet Agent	718.16	103.50
21 23 16 00-0006	EA	600 And L Cylinder And Valve Assembly With 6 Gallon Of Wet Agent	848.38	122.81
21 23 16 00-0007	EA	Discharge Adapter Kit (One Required Per Cylinder)	28.24	3.52
21 23 16 00-0008	EA	System Valve Actuator	102.25	13.99
21 23 16 00-0009	EA	Vent Plug	19.30	2.84
21 23 16 00-0010	EA	Gauge Shield	51.12	7.48
21 23 16 00-0011	EA	125 Cylinder Wall Mounting Bracket	52.85	7.48
21 23 16 00-0012	EA	260 Cylinder Wall Mounting Bracket	56.02	7.94
21 23 16 00-0013	EA	400S And M Cylinder Wall Mounting Bracket	106.42	14.97
21 23 16 00-0014	EA	600 And 400M Cylinder Shelf Bracket	105.91	16.99
21 23 16 00-0015	EA	600 And 400M Cylinder Floor Mounting Kit	148.69	17.02
21 23 16 00-0016	EA	125 And 260 Cylinder Replacement Bracket Strap	20.91	
21 23 16 00-0017	EA	400 And 600 Cylinder Replacement Bracket Strap	21.94	

21 23 16 00-0018 Nozzles And Accessories *(21 23 16 00-0001)*

21 23 16 00-0019	EA	ADP, F, GRW Or R Nozzle	47.47	6.89
21 23 16 00-0020	EA	LPF Or DM Nozzle	51.26	6.89
21 23 16 00-0021	EA	LPR Nozzle	59.06	6.89
21 23 16 00-0022	EA	3/8" Swivel Adapter For Nozzles	35.45	4.87
21 23 16 00-0023	EA	Replacement Nozzle Seals	5.60	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0024	EA	Chrome Nozzle Disc Cap	3.45	0.45
21 23 16 00-0025	EA	LPR Nozzle Disc Cap	21.96	6.85
21 23 16 00-0026		**Control Systems** *(21 23 16 00-0001)*		
21 23 16 00-0027	EA	XV Control System Note: Includes (1) SVA, (1) system cartridge, (1) test cartridge, (1) EMT connector kit, (1) SPDT microswitch kit, and (1) SPDT microswitch kit.	617.56	44.90
21 23 16 00-0028	EA	7-1/2" High Pressure Hose (Required for cylinder mounted XV Control System)	54.22	7.48
21 23 16 00-0029	EA	24" High Pressure Hose	63.51	7.48
21 23 16 00-0030	EA	60" High Pressure Hose	84.17	7.48
21 23 16 00-0031	EA	XV Solenoid Kit (Electric Actuator), 24 VDC	123.92	14.97
21 23 16 00-0032	EA	XV Microswitch Kit, SPDT	41.96	7.03
21 23 16 00-0033	EA	XV Microswitch Kit, SPDT, Terminal Type, For Alarm/Release	45.05	7.03
21 23 16 00-0034	EA	EMT Connector Kit (EMT Connector & O-Ring)	19.48	5.61
21 23 16 00-0035	EA	KRS-50 Control Box Assembly Note: Includes (1) SVA, (2) CO2 cartridges, (2) set screws, (1) grommet, (1) cover label, and (1) exhaust fan caution label.	349.25	29.00
21 23 16 00-0036	EA	SPDT Microswitch For KRS-50	49.64	7.03
21 23 16 00-0037	EA	DPDT Microswitch For KRS-50	89.54	12.20
21 23 16 00-0038	EA	SPDT Pressure Switch (Fire Department Tie-In)	275.85	39.14
21 23 16 00-0039		**Mechanical Actuation Components** *(21 23 16 00-0001)*		
21 23 16 00-0040	EA	Universal Detector Link Housing Kit, Mechanical Actuation Systems Note: Includes (1) bracket (11-3/4"), (2) "S" hook, and (2) cable crimp sleeves.	35.32	11.22
21 23 16 00-0041	EA	XV Low Profile Link Detector Housing Kit Note: Includes (1) bracket, (2) 1/2" EMT connectors, (4) cable crimp sleeves, and (1) S hook.	49.30	11.22
21 23 16 00-0042	EA	XV Or KRS-50 Remote Manual Release, Combination Pull-To-Trip/Release-To-Trip	122.38	7.48
21 23 16 00-0043	EA	XV Remote Manual Release, Pull-To-Trip	94.50	7.48
21 23 16 00-0044	EA	Corner Pulley, Mechanical Actuation Systems	13.88	2.02
21 23 16 00-0045	EA	Double Tee Pulley, Mechanical Actuation Systems	182.90	12.35
21 23 16 00-0046	EA	In-Line Tee Pulley, Mechanical Actuation Systems	23.20	3.29
21 23 16 00-0047	EA	Corner Pulley / Quik-Seal Adapter Combination	49.82	3.74
21 23 16 00-0048	LF	1/16" Cable, Mechanical Actuation Systems	1.73	0.75
21 23 16 00-0049	EA	Cable Clamp	6.95	0.37
21 23 16 00-0050	EA	Cable Crimp Sleeve, Mechanical Actuation Systems	1.01	0.30
21 23 16 00-0051	EA	"S" Hook, Mechanical Actuation Systems	0.98	0.30
21 23 16 00-0052	EA	1/2" EMT x 3/8" NPT Adapter, Mechanical Actuation Systems	49.48	6.96
21 23 16 00-0053		**Mechanical Detection Links** *(21 23 16 00-0001)*		
21 23 16 00-0054	EA	KGS Standard Response Link	11.87	3.74
21 23 16 00-0055	EA	KGS Rapid Response Link	16.26	3.74
21 23 16 00-0056	EA	KFA Type "A" Fusible Link	14.29	3.74
21 23 16 00-0057	EA	KML Type "ML" Fusible Link	14.71	3.74
21 23 16 00-0058	EA	500 Degreee, KML Type "ML" Fusible Link	20.91	3.74
21 23 16 00-0059		**Gas Valves** *(21 23 16 00-0001)*		
21 23 16 00-0060	EA	3/4" NPT Mechanical Cable Operated Gas Shut-off Valve	214.80	16.17
21 23 16 00-0061	EA	1" NPT Mechanical Cable Operated Gas Shut-off Valve	235.19	19.90
21 23 16 00-0062	EA	1-1/4" NPT Mechanical Cable Operated Gas Shut-off Valve	271.44	25.14
21 23 16 00-0063	EA	1-1/2" NPT Mechanical Cable Operated Gas Shut-off Valve	298.65	28.96
21 23 16 00-0064	EA	2" NPT Mechanical Cable Operated Gas Shut-off Valve	324.31	34.20
21 23 16 00-0065	EA	2-1/2" NPT Mechanical Cable Operated Gas Shut-off Valve	533.82	49.99
21 23 16 00-0066	EA	3" NPT Mechanical Cable Operated Gas Shut-off Valve	597.31	57.85
21 23 16 00-0067	EA	Pneumatic Release (Single Unit)	243.92	18.26
21 23 16 00-0068	EA	Replacement Cable Block And Set Screw Assembly For Gas Valve	30.20	3.74
21 23 16 00-0069	EA	1/2" Electric Solenoid Gas Shut-off Valve	223.15	15.04
21 23 16 00-0070	EA	3/4" Electric Solenoid Gas Shut-off Valve	225.40	16.17
21 23 16 00-0071	EA	1" Electric Solenoid Gas Shut-off Valve	344.98	19.90
21 23 16 00-0072	EA	1-1/4" Electric Solenoid Gas Shut-off Valve	367.61	25.14
21 23 16 00-0073	EA	1-1/2" Electric Solenoid Gas Shut-off Valve	422.07	28.96
21 23 16 00-0074	EA	2" Electric Solenoid Gas Shut-off Valve	540.87	34.20
21 23 16 00-0075	EA	2-1/2" Electric Solenoid Gas Shut-off Valve	890.46	49.99
21 23 16 00-0076	EA	3" Electric Solenoid Gas Shut-off Valve	1,115.99	57.85
21 23 16 00-0077	EA	Manual Reset Relay	335.96	75.21
21 23 16 00-0078		**Liquid Tight Sealing Adapters** *(21 23 16 00-0001)*		
21 23 16 00-0079	EA	Compression Seal Adapter - 3/8" Tubing	25.21	3.14
21 23 16 00-0080	EA	Compression Seal Adapter - 1/2" Tubing / 1/4" Pipe	25.01	3.44
21 23 16 00-0081	EA	Compression Seal Adapter - 5/8" Tubing / 3/8" Pipe	29.41	4.12
21 23 16 00-0082	EA	Compression Seal Adapter - 3/4" Tubing / 1/2" Pipe	33.76	4.41
21 23 16 00-0083	EA	Compression Seal Adapter - 1/2" Electrical Metallic Tubing (EMT)	29.41	4.12
21 23 16 00-0084	EA	Quik-Seal Adapter - 3/8" NPT Female	25.01	3.44
21 23 16 00-0085	EA	Quik-Seal Adapter - 1/2" NPT Female	25.01	3.44
21 23 16 00-0086	EA	Quik-Seal Adapter - 3/4" NPT Female	41.17	5.84
21 23 16 00-0087	EA	Quik-Seal Adapter - 1" NPT Female	54.80	7.71
21 23 16 00-0088	EA	Quik-Patch For Hole Patching Up To 1-1/8" Diameter	25.01	3.44

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0089		**Pressure Operated Releasing Systems** *(21 23 16 00-0001)*		
21 23 16 00-0090	EA	KRS-100 Nitrogen Cylinder	180.72	22.60
21 23 16 00-0091	EA	KRS-100 Actuator Assembly	163.45	23.05
21 23 16 00-0092	EA	KRS-100 Mounting Bracket	121.85	5.69
21 23 16 00-0093	EA	KRS-700S Nitrogen Cylinder	468.80	65.18
21 23 16 00-0094	EA	KRS-700 Mounting Bracket	99.83	13.92
21 23 16 00-0095	EA	KRS-700S Discharge Adapter Kit	147.41	13.92
21 23 16 00-0096	EA	Check Valve, Pressure Operated Releasing Systems	143.91	9.88
21 23 16 00-0097	EA	Vent Check, Pressure Operated Releasing Systems	45.96	6.29
21 23 16 00-0098	EA	Replacement Receiver Gasket For KRS-100 Actuator Assembly	6.00	
21 23 16 00-0099	EA	3 Pole, Double Throw Pressure Switch	375.85	52.39
21 23 16 00-0100		**Pyro-Chem Kitchen Fire Suppression Systems** *(21 23 16)*		
21 23 16 00-0101		**Cylinders, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0102	EA	3.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551194)	479.08	53.13
21 23 16 00-0103	EA	4.6 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551193)	690.11	76.55
21 23 16 00-0104	EA	6.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551196)	908.24	104.70
21 23 16 00-0105	EA	Cylinder Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550053)	98.93	12.50
21 23 16 00-0106	EA	Enclosure With Mechanical Control Unit, Kitchen Fire Suppression Systems (Pyro-Chem 551208)	651.18	81.72
21 23 16 00-0107	EA	Enclosure For Secondary Cylinders, Kitchen Fire Suppression Systems (Pyro-Chem 550966)	397.58	49.84
21 23 16 00-0108		**Fusible Links, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0109	EA	165 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551522)	12.84	1.64
21 23 16 00-0110	EA	212 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551523)	12.84	1.64
21 23 16 00-0111	EA	280 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551524)	13.13	1.64
21 23 16 00-0112	EA	360 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551525)	12.84	1.64
21 23 16 00-0113	EA	450 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551526)	12.84	1.64
21 23 16 00-0114	EA	500 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551527)	13.89	1.64
21 23 16 00-0115	EA	Fusible Link Kit With 10" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550131)	22.24	2.77
21 23 16 00-0116	EA	Fusible Link Kit With 8" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550132)	28.88	3.67
21 23 16 00-0117	EA	Fusible Link Hanger, Kitchen Fire Suppression Systems (Pyro-Chem 550876)	42.33	18.94
21 23 16 00-0118	EA	225 To 600 Fahrenheit, Electrical Thermal Detector, Kitchen Fire Suppression Systems (Pyro-Chem 13970-6)	281.26	42.13
21 23 16 00-0119		**Gas Valves, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0120	EA	3/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550593)	225.75	16.17
21 23 16 00-0121	EA	1" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550594)	257.87	19.90
21 23 16 00-0122	EA	1-1/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550595)	280.09	25.14
21 23 16 00-0123	EA	1-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550596)	308.71	28.89
21 23 16 00-0124	EA	2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 551049)	355.56	34.13
21 23 16 00-0125	EA	2-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550185)	813.90	49.92
21 23 16 00-0126	EA	3" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550186)	870.68	57.78
21 23 16 00-0127	EA	3/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550358)	178.83	16.17
21 23 16 00-0128	EA	1" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550359)	301.26	19.90
21 23 16 00-0129	EA	1-1/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550360)	316.44	25.14
21 23 16 00-0130	EA	1-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550361)	360.30	28.89
21 23 16 00-0131	EA	2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550362)	496.28	34.13
21 23 16 00-0132	EA	2-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550363)	952.26	49.92
21 23 16 00-0133	EA	3" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 17643)	1,006.71	57.78
21 23 16 00-0134		**Nozzles, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0135	EA	Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem)	45.92	5.54
21 23 16 00-0136	EA	Swivel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem)	64.81	7.03
21 23 16 00-0137	EA	Stainless Steel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem)	240.65	7.03
21 23 16 00-0138		**Actuating Cylinders/Cartridges, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0139	EA	Carbon Dioxide Actuation Cartridge, Kitchen Fire Suppression Systems (Pyro-Chem 551059)	17.00	2.17
21 23 16 00-0140	EA	PAC-10, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550104)	556.87	70.27
21 23 16 00-0141	EA	PAC-200, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550690)	709.74	89.88
21 23 16 00-0142		**Circuit Monitors, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0143	EA	24 Volt DC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550303)	364.05	46.02
21 23 16 00-0144	EA	120 Volt AC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550302)	439.24	55.45
21 23 16 00-0145		**Control Heads, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0146	EA	Mechanical Control Head, No Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551203)	401.65	50.74
21 23 16 00-0147	EA	Mechanical Control Head With Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551200)	419.27	53.06
21 23 16 00-0148	EA	24 Volt DC, Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551201)	546.07	69.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0149	EA	120 Volt AC Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551202)	626.51	79.32
21 23 16 00-0150	EA	Control Head Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550853)	50.88	6.44
21 23 16 00-0151		**Corner Pulleys/Tees, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0152	EA	Set Screw Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 415670)	12.47	1.05
21 23 16 00-0153	EA	Compression Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 423250)	12.94	1.35
21 23 16 00-0154	EA	Tee Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550166)	40.79	5.17
21 23 16 00-0155	EA	Replacement Screw For Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550272)	0.54	
21 23 16 00-0156		**Switches, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0157	EA	SPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550227)	44.36	5.61
21 23 16 00-0158	EA	DPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550237)	88.85	11.15
21 23 16 00-0159	EA	Four Pole Double Throw Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550978)	188.01	23.65
21 23 16 00-0160		**Wire Rope/Accessories, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0161	LF	1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 15821)	0.94	0.22
21 23 16 00-0162	EA	Crimps For 1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 550122)	0.60	0.22
21 23 16 00-0163	EA	High Temperature Stainless Steel Crimps, Kitchen Fire Suppression Systems (Pyro-Chem 551551)	2.20	0.30
21 23 16 00-0164	EA	"S" Hooks, Kitchen Fire Suppression Systems (Pyro-Chem 550121)	0.42	
21 23 16 00-0165		**Replacement Parts, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0166	EA	Wet Valve Rebuilding Kit, Kitchen Fire Suppression Systems (Pyro-Chem 550698)	42.18	5.39
21 23 16 00-0167	EA	Wet Valve Cap With Schrader Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550831)	44.02	5.61
21 23 16 00-0168	EA	Wet Spring, Kitchen Fire Suppression Systems (Pyro-Chem 550705)	5.15	0.67
21 23 16 00-0169	EA	225 psi, Wet Gage, Kitchen Fire Suppression Systems (Pyro-Chem 551236)	60.37	7.33
21 23 16 00-0170	EA	Wet Valve O-ring, Kitchen Fire Suppression Systems (Pyro-Chem 550716)	8.48	1.05
21 23 16 00-0171	EA	Wet Piston, Kitchen Fire Suppression Systems (Pyro-Chem 550707)	11.81	1.50
21 23 16 00-0172	EA	Wet Piston O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 550715)	5.15	0.67
21 23 16 00-0173	EA	Wet Nozzle Cap, Kitchen Fire Suppression Systems (Pyro-Chem 551528)	7.27	0.90
21 23 16 00-0174	EA	Wet Nozzle Strainer, Kitchen Fire Suppression Systems (Pyro-Chem 551529)	7.10	0.90
21 23 16 00-0175	EA	Wet Nozzle Cap O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 551530)	2.02	0.22
21 23 16 00-0176	EA	Replacement Teflon Washer For Control Head Actuator, Kitchen Fire Suppression Systems (Pyro-Chem 550257)	3.44	
21 23 16 00-0177	EA	O-Ring Lubrication, Kitchen Fire Suppression Systems (Pyro-Chem 550063)	65.78	
21 23 16 00-0178	EA	3.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 551024)	444.41	
21 23 16 00-0179	EA	4.6 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550902)	578.73	
21 23 16 00-0180	EA	6.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550901)	669.32	
21 23 16 00-0181		**Accessories, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0182	EA	3/8" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550857)	20.63	2.55
21 23 16 00-0183	EA	1/2" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550859)	21.38	2.69
21 23 16 00-0184	EA	Wet Valve Tool, Kitchen Fire Suppression Systems (Pyro-Chem 550788)	41.15	5.17
21 23 16 00-0185	EA	Recharge Adapter Kit, Kitchen Fire Suppression Systems (Pyro-Chem 551240)	58.25	
21 23 16 00-0186	EA	3.0 Gallon Of Wet Chemical For Recharge, Kitchen Fire Suppression Systems (Pyro-Chem 551188)	125.19	
21 23 16 00-0187		**Pull Stations/Accessories, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0188	EA	Mechanical, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551074)	83.20	10.56
21 23 16 00-0189	EA	Electric, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551166)	90.64	14.82
21 23 16 00-0190	EA	Trim Ring For Flush Mounting Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 550088)	22.24	2.77
21 23 16 00-0191	EA	Glass Rods For Pull Stations, Kitchen Fire Suppression Systems (Pyro-Chem 428661)	3.24	0.98
21 23 16 00-0192		**Asco Gas Valve Control Panels** *(21 23 16)*		
21 23 16 00-0193	EA	Relay Control Panel For AC Solenoid Valves (Asco 108D90C)	1,350.95	164.64
21 23 16 00-0194	EA	Relay Control Panel For DC Solenoid Valves (Asco 108D10C)	1,393.36	164.64
21 23 16 00-0195	EA	Master Control Station For Relay Control Panel For DC Solenoid Valves (Asco 216C89)	445.86	37.42
21 23 16 00-0196	EA	Emergency Stop Station For Relay Control Panel (Asco 173A19)	418.15	37.42

21 24 Dry-Chemical Fire-Extinguishing Systems *(21 20)*

21 24 16 Dry-Chemical Fire-Extinguishing Equipment *(21 24)*

21 24 16 00-0001		**Amerex KP Restaurant Fire Suppression Systems** *(21 24 16)* Note: Amerex or equal.		
21 24 16 00-0002	EA	Agent Cylinder Assembly 3.75 Gallon (With Discharge Valve) Charged	325.82	58.07
21 24 16 00-0003	EA	Agent Cylinder Assembly 6 Gallon (With Discharge Valve) Charged	449.31	73.24
21 24 16 00-0004	EA	Recharge - KP Liquid Agent (3.75 Gallon)	106.70	
21 24 16 00-0005	EA	Recharge - KP Liquid Agent (6 Gallon)	187.58	
21 24 16 00-0006	EA	Bracket Assembly Agent Cylinder 3.75 Gallon (With Distribution Hose Assembly And Distribution Outlet)	74.69	12.19
21 24 16 00-0007	EA	Bracket Assembly Agent Cylinder 6 Gallon	43.51	7.07
21 24 16 00-0008	EA	Discharge Adapter Kit 3/4 NPT - Agent Cylinder 6 Gallon	18.87	
21 24 16 00-0009	EA	Pneumatic Actuator - Agent Cylinder 6 Gallon	74.69	12.19
21 24 16 00-0010	EA	Actuator - MRM (Less N2 Cylinder And Enclosure)	187.58	30.57

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 24 16 00-0011	EA	Enclosure - MRM, Painted Steel	99.97	16.26
21 24 16 00-0012	EA	Enclosure - MRM, Stainless Steel	119.66	16.26
21 24 16 00-0013	EA	Cabinet, Stainless Steel (Single Cylinder System)	297.67	48.54
21 24 16 00-0014	EA	Actuation Hose - (N2 - 1/4" x 16")	22.46	3.65
21 24 16 00-0015	EA	Cylinder, Nitrogen - 10 CU. In. (Use For 1-10 Agent Cylinders)	99.97	16.26
21 24 16 00-0016	EA	Vent Check	17.98	2.93
21 24 16 00-0017	EA	Detector	13.48	2.19
		Note: Includes bracket, linkage and conduit fittings.		
21 24 16 00-0018	EA	Fusible Link - 280 To 450 Degree F	5.06	0.82
21 24 16 00-0019	EA	Test Link	1.99	
21 24 16 00-0020	EA	Corner Pulley	6.96	1.14
21 24 16 00-0021	EA	Cable, 1/16" - 500 Foot Spool	112.32	18.29
21 24 16 00-0022	EA	Pulley Tee	50.54	8.22
21 24 16 00-0023	EA	Manual Pull Station (Standard)	44.93	7.32
21 24 16 00-0024	EA	Adapter Kit - Manual Pull Station (Recess Standard Pull Station)	21.08	3.41
21 24 16 00-0025	EA	Manual Pull Station (Oversized)	50.09	8.12
21 24 16 00-0026	EA	Conduit Offset	10.00	1.62
21 24 16 00-0027	EA	Seal - 3/8" Pipe Thread (Quick-Seal)	13.78	2.28
21 24 16 00-0028	EA	Seal - 1/2" Pipe Thread (Quick-Seal)	11.23	1.87
21 24 16 00-0029	EA	3/8" Pipe Compression Seal	18.76	3.09
21 24 16 00-0030	EA	1/2" Pipe Compression Seal	18.76	3.09
21 24 16 00-0031	EA	Cap, Nozzle Blow-Off (Standard)	6.10	2.11
21 24 16 00-0032	EA	Cap, Nozzle Blow-Off (High Temperature)	12.54	2.11
21 24 16 00-0033	EA	Nozzle - Fryer, Griddle - 2 Flow Points Each	22.46	3.65
21 24 16 00-0034	EA	Nozzle - Appliance, Plenum - 1 Flow Points Each	22.46	3.65
21 24 16 00-0035	EA	Nozzle - Solid Fuel Charbroiler - 1 To 1-1/2 Flow Points Each	22.46	3.65
21 24 16 00-0036	EA	Nozzle - Upright Charbroiler - 1/2 Flow Points Each	22.46	3.65
21 24 16 00-0037	EA	Nozzle - Duct (Only) - 2 Flow Points Each	22.46	3.65
21 24 16 00-0038	EA	Nozzle - Four Burner Range - 2 Flow Points Each	32.31	5.29
21 24 16 00-0039	EA	Gas Valve - Mechanical - 3/4" Or 1"	174.08	21.55
21 24 16 00-0040	EA	Gas Valve - Mechanical - 1-1/4" Or 1-1/2"	208.74	31.30
21 24 16 00-0041	EA	Gas Valve - Mechanical - 2"	258.74	36.99
21 24 16 00-0042	EA	Manual Reset Relay (Required With Every Electric Gas Valve)	283.05	46.09
21 24 16 00-0043	EA	SPDT Microswitch With 18" Leads	14.90	2.44
21 24 16 00-0044	EA	Kit Gas Valve Actuator For Use With ASCO Mechanical Gas Valve	24.03	3.91
21 24 16 00-0045	EA	Gas Valve Trip Assembly	50.54	8.22

21 24 16 00-0046 Range Guard Fire Suppression Systems *(21 24 16)*

Note: Range Guard or equal.

21 24 16 00-0047	EA	1-1/4 Gallon Charged Cylinder With Valve	346.64	62.78
21 24 16 00-0048	EA	2-1/2 Gallon Charged Cylinder With Valve	432.70	78.36
21 24 16 00-0049	EA	4 Gallon Charged Cylinder With Valve	534.20	96.76
21 24 16 00-0050	EA	6 Gallon Charged Cylinder With Valve	634.50	114.87
21 24 16 00-0051	EA	Vent Plug	14.57	2.62
21 24 16 00-0052	EA	Discharge Adapter Kit	18.75	
21 24 16 00-0053	EA	1-1/4 Gallon Wall Bracket	38.58	6.96
21 24 16 00-0054	EA	2-1/2 Gallon Wall Bracket	40.84	7.41
21 24 16 00-0055	EA	4 Gallon Wall Bracket	77.12	13.99
21 24 16 00-0056	EA	6 Gallon Wall Bracket	85.47	15.49
21 24 16 00-0057	EA	Mechanical Control Head, No Microswitch	301.53	54.63
21 24 16 00-0058	EA	Mechanical Control Head, 1 Microswitch	314.58	56.95
21 24 16 00-0059	EA	Mechanical Control Head, 2 Microswitches	360.88	65.33
21 24 16 00-0060	EA	Tandem Control Head	274.22	49.69
21 24 16 00-0061	EA	Electric Control Head, 120 Volt AC / 24 Volt DC	464.16	84.04
21 24 16 00-0062	EA	Mechanical Control Box	206.55	37.42
21 24 16 00-0063	EA	Tandem Control Box	206.55	37.42
21 24 16 00-0064	EA	Mechanical Control Box Adapter	60.55	11.00
21 24 16 00-0065	EA	A+ Control head With 1 Pressure Operated Actuator	181.95	32.93
21 24 16 00-0066	EA	Pressure Operated Actuator	74.79	13.55
21 24 16 00-0067	EA	BMCS-1 Nitrogen Cylinder	121.08	21.93
21 24 16 00-0068	EA	BMCS-1 Actuator Assembly	123.46	22.37
21 24 16 00-0069	EA	BMCS-1 Mounting Bracket	30.27	5.46
21 24 16 00-0070	EA	BMCS-7 Nitrogen Cylinder	349.38	63.24
21 24 16 00-0071	EA	BMCS-7 Mounting Bracket	74.79	13.55
21 24 16 00-0072	EA	BMCS-7 Discharge Adapter Kit	74.79	13.55
21 24 16 00-0073	EA	Check Valve	65.82	16.09
21 24 16 00-0074	EA	Vent Check For Use With BMCS Systems	33.83	6.13
21 24 16 00-0075	EA	Check Valve, (Schrader Flare Fitting) For Pressure Operated Actuator	14.72	2.67
21 24 16 00-0076	EA	Replacement Receiver Gasket For BMCS-Actuator Assembly	3.88	
21 24 16 00-0077	EA	Pneumatic Control Head For Slave Cylinders	77.16	13.99
21 24 16 00-0078	EA	Nozzles; ADP, F, R And GRW	35.37	6.44
21 24 16 00-0079	EA	Nozzles; DM And LPF	39.41	7.11
21 24 16 00-0080	EA	Swivel Adapter	24.93	4.49
21 24 16 00-0081	EA	Corner Pulley	10.68	1.94
21 24 16 00-0082	LF	1/16" Stainless Steel Cable	0.54	0.22
21 24 16 00-0083	EA	Cable Crimp Sleeve	0.64	0.22
21 24 16 00-0084	EA	"S" Hook	0.48	0.15
21 24 16 00-0085	EA	Electrical Metallic Tubing (EMT) Adapter, 1/2" Electrical Metallic Tubing (EMT) x 3/8" NPT	36.78	6.66
21 24 16 00-0086	EA	Cable Clamp	3.28	0.59
21 24 16 00-0087	EA	Nico Sleeves - 1/16" Cable	0.47	0.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 24 16 00-0088	EA	3/8" Cable Anchor	38.87	7.03
21 24 16 00-0089	EA	1/2" Cable Anchor	38.87	7.03
21 24 16 00-0090	EA	Mechanical Remote Manual Release (Pull Cable)	62.87	11.37
21 24 16 00-0091	EA	Tee Pulley, Use For Mechanical Pull And Gas Valve	67.11	12.13
21 24 16 00-0092	EA	Surface Remote Manual Release, End-of-line	78.61	14.22
21 24 16 00-0093	EA	Surface Remote Manual Release, In line Conservation Kit	24.63	4.49
21 24 16 00-0094	EA	Surface Remote Manual Release, In line And End Of Line	103.21	18.63
21 24 16 00-0095	EA	Recessed Remote Manual Release, End-of-line	78.61	14.22
21 24 16 00-0096	EA	Recessed Remote Manual Release, In Line Kit	93.71	16.99
21 24 16 00-0097	EA	Pulley Tee, Remote In Line Only	16.84	3.07
21 24 16 00-0098	EA	Fusible Link Housing Kit With 1 - Bracket, 2 - 1/2" Electrical Metallic Tubing (EMT) Connector, 1 - "S" Hook, 8 - Cable Crimp Sleeve	18.71	3.36
21 24 16 00-0099	EA	Fusible Link 165F To 360F	6.14	1.12
21 24 16 00-0100	EA	Fusible Link 500F	9.28	1.12
21 24 16 00-0101	EA	Standard Detector With 1 - 360F link, 2 - "S" Hooks, 2 - Crimp Sleeves	18.71	3.36
21 24 16 00-0102	EA	Standard Detector Kit With 1 - Large Bracket, 2 - "S" Hooks, 2 - Cable Crimp Sleeve	14.35	3.36
21 24 16 00-0103	EA	Quartzoid Link 400 F	100.83	18.26
21 24 16 00-0104	EA	Quartzoid Link 500 F	100.83	18.26
21 24 16 00-0105	EA	SPDT Micro Switch For Use With A Plus Control Box	36.14	6.51
21 24 16 00-0106	EA	DPDT Micro Switch For Use With A Plus Control Box	62.87	11.37
21 24 16 00-0107	EA	SPDT Micro Switch For Use With A Mechanical Control Box	37.37	6.74
21 24 16 00-0108	EA	DPDT Micro Switch For Use With A Mechanical Control Box	64.77	11.74
21 24 16 00-0109	EA	SPDT Micro Switch For Use With PRCB	47.45	8.60
21 24 16 00-0110	EA	DPDT Micro Switch For Use With PRCB	68.45	12.35
21 24 16 00-0111	EA	Pressure Switch, SPDT (Fire Dept. Tie In)	200.48	36.29
21 24 16 00-0112	EA	Circuit Monitor 12 Or 24 Volt DC	90.17	16.32
21 24 16 00-0113	EA	Circuit Monitor 120 Volt AC	90.17	16.32
21 24 16 00-0114	EA	Electric Manual Pull Station	65.83	11.90
21 24 16 00-0115	EA	6", 24 Volt DC, Motor Bell	36.78	6.66
21 24 16 00-0116	EA	10", 115 Volt AC Motor Bell	52.20	9.43
21 24 16 00-0117	EA	Fuse, 1.2 For ECH	4.23	0.75
21 24 16 00-0118	EA	Indicator Lamp 12 Or 24 Volt DC	18.71	3.36
21 24 16 00-0119	EA	Indicator Lamp 120 Volt AC	18.71	3.36
21 24 16 00-0120	EA	B-10 Manual Station Dual Action, SPDT	68.81	12.42
21 24 16 00-0121	EA	B-11 Manual Station Dual Action, DPDT	75.92	13.77
21 24 16 00-0122	EA	Break Rods For B10/B11 Manual Pull Station	2.38	0.98
21 24 16 00-0123	EA	Spare Key For B10/B11 Manual Stations	9.49	1.72
21 24 16 00-0124	EA	MT-24-LSM-VAR Multitone Signal With 15/75cd Strobe, 24 Volt, Flush Grill	102.03	18.48
21 24 16 00-0125	EA	Suppression Abort Station	107.96	19.53
21 24 16 00-0126	EA	Suppression Abort Station With Surface Mount Back Box	125.75	22.75
21 24 16 00-0127	EA	Surface Mount Back Box	41.52	7.48
21 24 16 00-0128	EA	Single Hazard Control Unit, 120 Volt AC IP	771.08	139.42
21 24 16 00-0129	EA	Single Hazard Control Unit, 240 Volt AC IP	771.08	139.42
21 24 16 00-0130	EA	1 Lead Acid Battery; 24 Volt DC, 1.2 A.H.	64.06	11.60
21 24 16 00-0131	EA	Accessory Kit - End-of-line Resistors (10K Ohms, 1/2 W)	2.52	0.52
21 24 16 00-0132	EA	Spare Scorpio Circuit Board	557.51	
21 24 16 00-0133	EA	Extra Scorpio Key	9.49	
21 24 16 00-0134	EA	Extra Scorpio Manual	5.94	
21 24 16 00-0135	EA	Compression Seal Adapter 3/8" Pipe	16.13	2.92
21 24 16 00-0136	EA	Compression Seal Adapter 1/2" Tubing/ 1/4" Pipe	17.52	3.14
21 24 16 00-0137	EA	Compression Seal Adapter 5/8" Tubing/ 3/8" Pipe	21.08	3.82
21 24 16 00-0138	EA	Compression Seal Adapter 3/4" Tubing/ 1/2" Pipe	22.54	4.04
21 24 16 00-0139	EA	Quik Seal Adapter 3/8" NPT Female	17.52	3.14
21 24 16 00-0140	EA	Quik Seal Adapter 1/2" NPT Female	17.52	3.14
21 24 16 00-0141	EA	Quik Seal Adapter 3/4" NPT Female	29.98	5.46
21 24 16 00-0142	EA	Quik Seal Adapter 1" NPT Female	39.74	7.18
21 24 16 00-0143	EA	Quik Patch (Up To 1-1/8" Diameter)	17.52	3.14
21 24 16 00-0144	EA	1-1/4 Gallon Karbaloy Charge	38.98	
21 24 16 00-0145	EA	2-1/2 Gallon Karbaloy Charge	67.02	
21 24 16 00-0146	EA	4 Gallon Karbaloy Charge	101.29	
21 24 16 00-0147	EA	6 Gallon Karbaloy Charge	148.24	
21 24 16 00-0148	EA	Inlet Flushing Adapter	29.06	5.24
21 24 16 00-0149	EA	1/2" Flushing Adapter (Outlet)	29.06	5.24
21 24 16 00-0150	EA	1/8" Flushing Adapter (Outlet)	29.06	5.24
21 24 16 00-0151	EA	1/4" Flushing Adapter (Outlet)	29.06	5.24
21 24 16 00-0152	EA	3/8" Flushing Adapter (Outlet)	29.06	5.24
21 24 16 00-0153	EA	Recharge Adapter (Old Style Cylinder Valve Assembly Only)	40.33	
21 24 16 00-0154	EA	Instruction Label (In Case Of Fire) - MCB	3.31	
21 24 16 00-0155	EA	Caution Sign (Turn On Fan)	3.88	
21 24 16 00-0156	EA	Inspection Label (Authorized installers only)	2.86	
21 24 16 00-0157	EA	Label, Warning, A+ Control Box	2.18	
21 24 16 00-0158	EA	Wet Chemical System Kits, RG-1.25G Kit; #23315	510.07	92.28
21 24 16 00-0159	EA	Wet Chemical System Kits, RG-2.5G Kit; #23316	595.48	107.69
21 24 16 00-0160	EA	Wet Chemical System Kits, RG-4GS Kit; #23317	741.41	134.11
21 24 16 00-0161	EA	Wet Chemical System Kits, RG-4GT Kit; #23318	741.41	134.11
21 24 16 00-0162	EA	Wet Chemical System Kits, RG-6G Kit; #23319	932.37	168.61
21 24 16 00-0163	EA	Wet Chemical System Kits, RG Mechanical Control HD (MCH) Kit; #23320	441.87	79.93
21 24 16 00-0164	EA	Wet Chemical System Kits, RG Mechanical Control Box (MCB) Kit; #23321	415.17	75.06
21 24 16 00-0165	EA	Wet Chemical System Kits, A Plus Control Box Kit; #23322	335.70	60.69
21 24 16 00-0166	EA	Wet Chemical System Kits, Valve Rebuild Kit; #23210	581.25	105.15
21 24 16 00-0167	EA	Wet Chemical System Kits, BMCS-1 Package; #23208	532.60	96.32

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

21 30 Fire Pumps (21)

21 31 Centrifugal Fire Pumps (21 30)

21 31 13 Electric-Drive, Centrifugal Fire Pumps (21 31)

21 31 13 00-0001 Electric-Drive Fire Pumps (21 31 13)

Note: Includes fire pump, motor, motor starter, alarm panel, automatic transfer switch, and controller.

21 31 13 00-0002	EA	20 HP Electric Fire Pump	30,456.29	1,282.62
		For Duplex Pumping System, Add	*29,173.67*	
21 31 13 00-0003	EA	30 HP Electric Fire Pump	35,500.83	1,442.95
		For Duplex Pumping System, Add	*34,164.77*	
21 31 13 00-0004	EA	40 HP Electric Fire Pump	48,342.03	1,603.28
		For Duplex Pumping System, Add	*46,857.52*	
21 31 13 00-0005	EA	50 HP Electric Fire Pump	59,539.75	1,745.39
		For Duplex Pumping System, Add	*57,794.38*	
21 31 13 00-0006	EA	75 HP Electric Fire Pump	66,462.88	1,904.06
		For Duplex Pumping System, Add	*64,558.83*	

21 31 16 Diesel-Drive, Centrifugal Fire Pumps (21 31)

21 31 16 00-0001 Diesel-Drive Fire Pumps (21 31 16)

Note: Pumps shall be stand alone units meeting NFPA-20 specs. Includes fire pump, motor, motor starter, alarm panel, and controller.

21 31 16 00-0002	EA	30 HP Diesel Driven Fire Pump, NFPA-20 Specific	44,702.94	1,428.04
21 31 16 00-0003	EA	40 HP Diesel Driven Fire Pump, NFPA-20 Specific	50,568.09	1,586.71
21 31 16 00-0004	EA	50 HP Diesel Driven Fire Pump, NFPA-20 Specific	53,134.83	1,745.39
21 31 16 00-0005	EA	75 HP Diesel Driven Fire Pump, NFPA-20 Specific	60,464.05	1,904.06
21 31 16 00-0006	EA	150 HP Diesel Driven Fire Pump, NFPA-20 Specific	64,184.01	2,221.39
21 31 16 00-0007	EA	175 HP Diesel Driven Fire Pump, NFPA-20 Specific	69,099.51	2,856.07
21 31 16 00-0008	EA	200 HP Diesel Driven Fire Pump, NFPA-20 Specific	75,007.13	3,173.42
21 31 16 00-0009	EA	250 HP Diesel Driven Fire Pump, NFPA-20 Specific	85,768.46	3,617.70
21 31 16 00-0010	EA	300 HP Diesel Driven Fire Pump, NFPA-20 Specific	102,719.43	3,903.31
21 31 16 00-0011	EA	350 HP Diesel Driven Fire Pump , NFPA-20 Specific	120,514.50	4,442.79
21 31 16 00-0012	EA	400 HP Diesel Driven Fire Pump , NFPA-20 Specific	143,026.36	4,760.13
21 31 16 00-0013	EA	500 HP Diesel Driven Fire Pump , NFPA-20 Specific	161,050.50	5,077.47

21 31 16 00-0014 Electric Controllers For Fire Pumps (21 31 16)

21 31 16 00-0015 Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller (21 31 16 00-0014)

21 31 16 00-0016	EA	30 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	17,024.36	142.80
21 31 16 00-0017	EA	40 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	19,275.21	158.67
21 31 16 00-0018	EA	50 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	20,206.71	174.54
21 31 16 00-0019	EA	75 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	23,043.19	190.40
21 31 16 00-0020	EA	150 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	24,340.75	222.14
21 31 16 00-0021	EA	175 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	25,926.15	285.61
21 31 16 00-0022	EA	200 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	28,098.80	317.34
21 31 16 00-0023	EA	250 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	32,136.74	361.77
21 31 16 00-0024	EA	300 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	38,745.77	390.33
21 31 16 00-0025	EA	350 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	45,540.17	444.28
21 31 16 00-0026	EA	400 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	54,354.47	476.01
21 31 16 00-0027	EA	500 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	61,373.71	507.75

END OF SECTION 21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 Plumbing

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise.

22 01 Operation and Maintenance of Plumbing *(22)*

22 01 10 Operation And Maintenance Of Plumbing Piping And Pumps *(22 01)*

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

22 01 10 61 Plumbing Piping Repairs *(22 01 10)*

22 01 10 61-0001 Pipe Repair Clamps *(22 01 10 61)*

22 01 10 61-0002	EA	1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	25.22
22 01 10 61-0003	EA	3/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	26.44
22 01 10 61-0004	EA	1" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	29.10
22 01 10 61-0005	EA	1-1/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	31.14
22 01 10 61-0006	EA	1-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	33.91
22 01 10 61-0007	EA	2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	43.40
22 01 10 61-0008	EA	2-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	56.08
22 01 10 61-0009	EA	3" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	65.76
22 01 10 61-0010	EA	4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	75.54
22 01 10 61-0011	EA	1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	39.72
22 01 10 61-0012	EA	3/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	41.60
22 01 10 61-0013	EA	1" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	46.07
22 01 10 61-0014	EA	1-1/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	50.63
22 01 10 61-0015	EA	1-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	55.97
22 01 10 61-0016	EA	2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	72.42
22 01 10 61-0017	EA	2-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	89.43
22 01 10 61-0018	EA	3" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	102.88
22 01 10 61-0019	EA	4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	117.05
22 01 10 61-0020	EA	1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	55.27
22 01 10 61-0021	EA	3/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	57.84
22 01 10 61-0022	EA	1" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	63.94
22 01 10 61-0023	EA	1-1/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	70.15
22 01 10 61-0024	EA	1-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	79.24
22 01 10 61-0025	EA	2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	97.49
22 01 10 61-0026	EA	2-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	116.74
22 01 10 61-0027	EA	3" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	141.19
22 01 10 61-0028	EA	4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	172.97
22 01 10 61-0029	EA	5" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	177.95
22 01 10 61-0030	EA	6" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	190.50

22 01 40 Operation and Maintenance of Plumbing Fixtures *(22 01)*

22 01 40 00-0001 Fixture And/Or Trim Replacement *(22 01 40)*

Note: Includes removal of existing item(s) and installation of new item(s). See CSI section 22 42 00 00-0000 for faucet replacement installation and demolition prices.

22 01 40 00-0002	EA	3/8" To 1/2" Compression Shut-off Valve Replacement With 15" Polybutylene Supply Tube	43.69
22 01 40 00-0003	EA	3/8" Compression x 1/2" FIP, Braided Stainless Steel, Supply Lines To Sink/Lavatory Replacement	15.70
22 01 40 00-0004	EA	Chrome Supply Lines To Sink/Lavatory Replacement, Pair	21.66
22 01 40 00-0005	EA	Single Bowl Sink/Lavatory Drain Line Replacement	29.78
22 01 40 00-0006	EA	Double Bowl Sink/Lavatory Drain Line Replacement	46.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 01 40 00-0007	EA	Shower Head, Polished Chrome, Replacement	33.09	
22 01 40 00-0008	EA	Shower Arm Replacement	26.84	
22 01 40 00-0009	EA	Shower Head Replacement	26.59	
22 01 40 00-0010	EA	Shower Knob Replacement	25.54	
22 01 40 00-0011	EA	Hand Held Shower Replacement, ADA	56.66	
22 01 40 00-0012	EA	Shower and Tub Control Trim Replacement Note: Excludes balancing valve.	70.13	
22 01 40 00-0013	EA	Sink Basket Strainer Replacement	16.94	
22 01 40 00-0014	EA	Sink Drain Without Stopper, 1-1/2" Replacement	9.76	
22 01 40 00-0015	EA	Sink Drain Without Stopper, 4-1/2" Replacement	10.18	
22 01 40 00-0016	EA	Sink Drain With Stopper, 1-1/2" Replacement	9.76	
22 01 40 00-0017	EA	1" Sink Rubber Stopper Replacement	6.94	
22 01 40 00-0018	EA	Sink Tailpiece Extension 1-1/2" x 8" Replacement	18.01	
22 01 40 00-0019	EA	Sink Trap, Adjustable, 1-1/2" Replacement	28.04	
22 01 40 00-0020	EA	Lavatory Pop-Up Rod Replacement	19.81	
22 01 40 00-0021	EA	Lavatory Pop-up Drain Stopper Replacement	22.74	
22 01 40 00-0022	EA	Faucet Handle Replacement	24.01	
22 01 40 00-0023	EA	Faucet O-Ring Replacement	18.58	
22 01 40 00-0024	EA	1-1/2" Faucet Hole Cover	12.65	
22 01 40 00-0025	EA	Toilet Ballcock Replacement	28.83	
22 01 40 00-0026	EA	Toilet Bowl Ring, Flat Wax, Replacement Note: Excludes removal of toilet.	5.46	
22 01 40 00-0027	EA	Toilet Tank Replacement	119.27	
22 01 40 00-0028	EA	Toilet Bowl, 10" Replacement	143.58	
22 01 40 00-0029	EA	Toilet Bowl, 10", Water Saver, Replacement	156.53	
22 01 40 00-0030	EA	Toilet Bowl, 12", Replacement	169.03	
22 01 40 00-0031	EA	Toilet Bowl, Elongated, 18", Replacement	147.94	
22 01 40 00-0032	EA	Toilet Closet Bolt, 5/16" x 3" With Nuts And Washers Replacement	16.78	
22 01 40 00-0033	EA	Toilet Flapper With Chain Replacement	13.55	
22 01 40 00-0034	EA	Toilet Flush Tank Lever Replacement	14.21	
22 01 40 00-0035	EA	Elongated Toilet Seat With Lid Replacement	83.44	
22 01 40 00-0036	EA	Elongated Toilet Seat Without Lid Replacement	51.43	
22 01 40 00-0037	EA	Handicap Toilet Seat Replacement, Complete With Rails	122.40	
22 01 40 00-0038	EA	Diverter Tub Spout Replacement	38.22	
22 01 40 00-0039	EA	Tub Spout Replacement	27.78	
22 01 40 00-0040	EA	2" Tub Stopper, Replacement	7.91	
22 01 40 00-0041	EA	Tub Waste/Overflow Replacement	56.58	
22 01 40 00-0042	EA	Tub Stem Bonnet Assembly Replacement	27.47	
22 01 40 00-0043	EA	Faucet Bonnet Replacement	31.00	
22 01 40 00-0044	EA	Faucet Diverter Stem Replacement	19.19	
22 01 40 00-0045	EA	Faucet Diverter Stem And Bonnet Replacement	25.82	
22 01 40 00-0046	EA	Faucet Spout Replacement	30.09	
22 01 40 00-0047	EA	Faucet Stem Replacement	21.75	
22 01 40 00-0048	EA	Chrome Plated Plastic Drinking Fountain Bubbler Valve With Flexible Bubbler Guard Replacement	132.88	
22 01 40 00-0049	EA	Chrome Plated Brass Drinking Fountain Bubbler Valve Replacement	165.64	
22 01 40 00-0050	EA	Stainless Steel (Lead Free) Drinking Fountain Pushbutton Bubbler Valve Replacement	102.77	

22 05 Common Work Results for Plumbing *(22)*

22 05 13 Common Motor Requirements For Plumbing Equipment *(22 05)*

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

22 05 16 Expansion Fittings And Loops For Plumbing Piping *(22 05)*

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

22 05 19 Meters And Gages For Plumbing Piping *(22 05)*

See CSI section 23 05 19 00-0000 for gages, 33 12 33 00-0000 for water utility service metering.

22 05 23 General-Duty Valves For Plumbing Piping *(22 05)*

See CSI section 23 05 23 00-0000 for valves.

22 05 23 00-0001 Earthquake-Sensitive Gas Shut-Off Valve *(22 05 23)*

22 05 23 00-0002 0.5 PSI Threaded Earthquake Gas Shutoff Valves *(22 05 23 00-0001)*

22 05 23 00-0003	EA	3/4" 0.5 PSI Threaded Earthquake Gas Shutoff Valve	159.12	8.94
22 05 23 00-0004	EA	1" 0.5 PSI Threaded Earthquake Gas Shutoff Valve	179.05	10.16

22 05 23 00-0005 7 PSI Threaded Earthquake Gas Shutoff Valves *(22 05 23 00-0001)*

22 05 23 00-0006	EA	1-1/4" 7 PSI Threaded Earthquake Gas Shutoff Valve	207.49	10.81
22 05 23 00-0007	EA	1-1/2" 7 PSI Threaded Earthquake Gas Shutoff Valve	283.95	12.52

22 05 23 00-0008 60 PSI Threaded Earthquake Gas Shutoff Valves *(22 05 23 00-0001)*

22 05 23 00-0009	EA	3/4" 60 PSI Threaded Earthquake Gas Shutoff Valve	200.00	8.94
22 05 23 00-0010	EA	1" 60 PSI Threaded Earthquake Gas Shutoff Valve	207.44	10.16
22 05 23 00-0011	EA	1-1/4" 60 PSI Threaded Earthquake Gas Shutoff Valve	230.20	10.81
22 05 23 00-0012	EA	1-1/2" 60 PSI Threaded Earthquake Gas Shutoff Valve	318.02	12.52
22 05 23 00-0013	EA	2" 60 PSI Threaded Earthquake Gas Shutoff Valve	755.21	14.80

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 23 00-0014	EA	2-1/2" 60 PSI Threaded Earthquake Gas Shutoff Valve	894.31	19.91
22 05 23 00-0015	EA	3" 60 PSI Threaded Earthquake Gas Shutoff Valve	1,165.47	23.20
22 05 23 00-0016	EA	4" 60 PSI Threaded Earthquake Gas Shutoff Valve	1,351.63	26.19

22 05 23 00-0017 60 PSI Flanged Earthquake Gas Shutoff Valves *(22 05 23 00-0001)*

22 05 23 00-0018	EA	2" 60 PSI Flanged Earthquake Gas Shutoff Valve	1,043.89	108.37
22 05 23 00-0019	EA	3" 60 PSI Flanged Earthquake Gas Shutoff Valve	1,289.05	127.22
22 05 23 00-0020	EA	4" 60 PSI Flanged Earthquake Gas Shutoff Valve	1,800.19	213.28
22 05 23 00-0021	EA	6" 60 PSI Flanged Earthquake Gas Shutoff Valve	3,033.81	292.31
22 05 23 00-0022	EA	8" 60 PSI Flanged Earthquake Gas Shutoff Valve	8,252.53	336.16

22 05 23 00-0023 Emergency Shut-Off Valve With Fusible Link *(22 05 23)*

22 05 23 00-0024 Threaded Brass, Fusible Gate Valves (Morrison Bros. 939) *(22 05 23 00-0023)*

Note: Brass globe/gate valve used to shut off product flow in the event of a fire. Fusible element in the handwheel automatically closes the valve when in contact with 165º F.

22 05 23 00-0025	EA	1/4" Threaded Brass, Fusible Gate Valve (Morrison Bros. 939 Series)	51.51	13.09
		For Work In Restricted Working Space, Add	*7.10*	
22 05 23 00-0026	EA	3/8" Threaded Brass, Fusible Gate Valve (Morrison Bros. 939 Series)	52.79	13.82
		For Work In Restricted Working Space, Add	*7.49*	
22 05 23 00-0027	EA	1/2" Threaded Brass, Fusible Gate Valve (Morrison Bros. 939 Series)	83.52	13.09
		For Work In Restricted Working Space, Add	*7.87*	
22 05 23 00-0028	EA	3/4" Threaded Brass, Fusible Gate Valve (Morrison Bros. 939 Series)	162.56	17.64
		For Work In Restricted Working Space, Add	*10.61*	
22 05 23 00-0029	EA	1" Threaded Brass, Fusible Gate Valve (Morrison Bros. 939 Series)	403.44	21.38
		For Work In Restricted Working Space, Add	*12.84*	

22 05 23 00-0030 Threaded Ductile Iron, Emergency Gas Shutoff Valves (Morrison Bros. 346-DI) *(22 05 23 00-0023)*

Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring.

22 05 23 00-0031	EA	1-1/2" Threaded Ductile Iron, Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	311.64	12.52
22 05 23 00-0032	EA	2" Threaded Ductile Iron, Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	337.07	14.80
22 05 23 00-0033	EA	3" Threaded Ductile Iron, Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	564.90	23.20

22 05 23 00-0034 Flanged Ductile Iron, Emergency Gas Shutoff Valves (Morrison Bros. 346-DI) *(22 05 23 00-0023)*

Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring.

22 05 23 00-0035	EA	2" Flanged Ductile Iron, Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	456.83	108.37
22 05 23 00-0036	EA	3" Flanged Ductile Iron, Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	735.12	127.22
22 05 23 00-0037	EA	4" Flanged Ductile Iron, Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	1,667.44	213.28

22 05 23 00-0038 Mud Valves (Drain Plug Valves) *(22 05 23)*

Note: For settling basins, waterworks, sewage treatment plants where sedimentateous material must be flushed from system.

22 05 23 00-0039	EA	4" Flanged End, Non Rising Stem Mud Valve	754.14	160.38
22 05 23 00-0040	EA	6" Flanged End, Non Rising Stem Mud Valve	895.19	224.51
22 05 23 00-0041	EA	8" Flanged End, Non Rising Stem Mud Valve	1,117.28	250.59
22 05 23 00-0042	EA	10" Flanged End, Non Rising Stem Mud Valve	1,650.07	306.92
22 05 23 00-0043	EA	12" Flanged End, Non Rising Stem Mud Valve	1,941.12	372.03
22 05 23 00-0044	EA	14" Flanged End, Non Rising Stem Mud Valve	3,542.08	449.01
22 05 23 00-0045	EA	16" Flanged End, Non Rising Stem Mud Valve	4,192.66	493.92
22 05 23 00-0046	EA	18" Flanged End, Non Rising Stem Mud Valve	4,772.73	594.74
22 05 23 00-0047	EA	24" Flanged End, Non Rising Stem Mud Valve	6,691.07	823.43

22 05 23 00-0048 Regulators, Clay Valve *(22 05 23)*

22 05 23 00-0049	EA	4" Regulator - Clay Valve	1,174.26	
22 05 23 00-0050	EA	8" Regulator - Clay Valve	1,594.28	
22 05 23 00-0051	EA	10" Regulator - Clay Valve	2,194.33	
22 05 23 00-0052	EA	12" Regulator - Clay Valve	2,688.70	
22 05 23 00-0053	EA	18" Regulator - Clay Valve	4,556.63	
22 05 23 00-0054	EA	24" Regulator - Clay Valve	7,339.29	

22 05 29 Hangers And Supports For Plumbing Piping And Equipment *(22 05)*

See CSI section 23 05 29 00-0000 for hangers and supports.

22 05 33 Heat Tracing For Plumbing Piping *(22 05)*

See CSI section 23 83 13 00-0000 for heat tracing cables.

22 05 48 Vibration And Seismic Controls For Plumbing Piping And Equipment *(22 05)*

See CSI section 23 05 48 00-0000 for vibration and seismic control.

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 05 53 Identification For Plumbing Piping And Equipment *(22 05)*

See CSI section 23 05 53 00-0000 for identification.

22 05 76 Facility Drainage Piping Cleanouts *(22 05)*

22 05 76 00-0001 Cast Iron Cleanout With Plug And Cover *(22 05 76)*

Note: For floor installation.

22 05 76 00-0002 Cast Iron Cleanout With Plug And Round Or Square Cover *(22 05 76 00-0001)*

22 05 76 00-0003	EA	2" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	288.68	43.25
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0004	EA	3" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	318.99	54.23
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0005	EA	4" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	396.32	65.52
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0006	EA	5" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	549.20	73.32
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0007	EA	6" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	665.80	79.43
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	

22 05 76 00-0008 Cast Iron Heavy Duty Cleanout With Plug And Round Cover *(22 05 76 00-0001)*

22 05 76 00-0009	EA	2" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	326.48	43.25
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0010	EA	3" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	357.34	54.15
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0011	EA	4" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	434.72	65.52
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0012	EA	5" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	587.64	73.32
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0013	EA	6" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	704.18	79.43
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	

22 05 76 00-0014 Wall Cover For Cleanout *(22 05 76)*

Note: Cover and screw only.

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		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0015		Round Access Cover, Bronze Polished Top *(22 05 76 00-0014)*		
		Note: Cover and screw only.		
22 05 76 00-0016	EA	4-1/4" Diameter Wall Cover For Cleanout, Screwed	49.90	13.57
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0017	EA	5-1/2" Diameter Wall Cover For Cleanout, Screwed	55.32	16.26
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0018	EA	7" Diameter Wall Cover For Cleanout, Screwed	68.39	18.29
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0019	EA	9-1/4" Diameter Wall Cover For Cleanout, Screwed	106.04	20.33
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0020	EA	11-1/4" Diameter Wall Cover For Cleanout, Screwed	152.11	22.36
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0021		Square Wall Access Panel, Bronze Polished Top *(22 05 76 00-0014)*		
		Note: Cover and screw only.		
22 05 76 00-0022	EA	7" x 7" Bronze Wall Or Floor Access Cover	135.10	13.57
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0023	EA	9" x 9" Bronze Wall Or Floor Access Cover	187.45	14.23
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0024	EA	10" x 10" Bronze Wall Or Floor Access Cover	200.08	15.04
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0025	EA	14" x 14" Bronze Wall Or Floor Access Cover	224.14	17.08
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0026		Secured Square Wall Access Panel, Bronze Polished Top *(22 05 76 00-0014)*		
		Note: Cover and screw only.		
22 05 76 00-0027	EA	6" x 6" Bronze Secured Wall Access Panel	135.10	13.57
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0028	EA	8" x 8" Bronze Secured Wall Access Panel	187.45	14.23
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0029	EA	10" x 10" Bronze Secured Wall Access Panel	200.08	15.04
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0030	EA	12" x 12" Bronze Secured Wall Access Panel	224.14	17.08
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0031		Secure Square Hinged Access Panel, Bronze Polished Top, Scoriated *(22 05 76 00-0014)*		
		Note: Cover and screw only.		
22 05 76 00-0032	EA	6" x 6" Bronze Secured Hinged Access Panel, Scoriated	131.60	13.57
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0033	EA	8" x 8" Bronze Secured Hinged Access Panel, Scoriated	175.95	14.23
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0034	EA	10" x 10" Bronze Secured Hinged Access Panel, Scoriated	242.58	15.04
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0035	EA	12" x 12" Bronze Secured Hinged Access Panel, Scoriated	292.14	17.08
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0036		Cast Iron Cleanout Tee *(22 05 76)*		
22 05 76 00-0037		Cast Iron Cleanout Tee And Round Access Cover *(22 05 76 00-0036)*		
		Note: Satin smooth secured cover.		
22 05 76 00-0038	EA	2" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	213.08	43.25
		For Vandal Proof Screws, Add	*18.00*	
		For Galvanized Cast Iron Parts, Add	*45.00*	
22 05 76 00-0039	EA	3" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	248.14	54.15
		For Vandal Proof Screws, Add	*18.00*	
		For Galvanized Cast Iron Parts, Add	*45.00*	
22 05 76 00-0040	EA	4" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	318.92	65.52
		For Vandal Proof Screws, Add	*18.00*	
		For Galvanized Cast Iron Parts, Add	*45.00*	
22 05 76 00-0041	EA	6" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	686.18	79.43
		For Vandal Proof Screws, Add	*18.00*	
		For Galvanized Cast Iron Parts, Add	*45.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0042		Cast Iron Cleanout Tee And Square Access Cover *(22 05 76 00-0036)*		
		Note: Satin smooth secured cover.		
22 05 76 00-0043	EA	2" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	339.68	43.25
		For Vandal Proof Screws, Add	*18.00*	
		For Galvanized Cast Iron Parts, Add	*45.00*	
22 05 76 00-0044	EA	3" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	374.74	54.15
		For Vandal Proof Screws, Add	*18.00*	
		For Galvanized Cast Iron Parts, Add	*45.00*	
22 05 76 00-0045	EA	4" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	437.12	65.52
		For Vandal Proof Screws, Add	*18.00*	
		For Galvanized Cast Iron Parts, Add	*45.00*	
22 05 76 00-0046	EA	6" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	857.18	79.43
		For Vandal Proof Screws, Add	*18.00*	
		For Galvanized Cast Iron Parts, Add	*45.00*	
22 05 76 00-0047		Cast Iron Cleanout Tee With Brass Plug *(22 05 76 00-0036)*		
22 05 76 00-0048	EA	2" Cleanout Tee With Cast Bronze Screw Plug	174.53	35.36
22 05 76 00-0049	EA	3" Cleanout Tee With Cast Bronze Screw Plug	194.23	38.61
22 05 76 00-0050	EA	4" Cleanout Tee With Cast Bronze Screw Plug	258.22	50.81
22 05 76 00-0051	EA	5" Cleanout Tee With Cast Bronze Screw Plug	372.32	60.16
22 05 76 00-0052	EA	6" Cleanout Tee With Cast Bronze Screw Plug	604.27	71.13
22 05 76 00-0053		Removable Cleanout Plug *(22 05 76)*		
22 05 76 00-0054		Threaded Bronze Plugs *(22 05 76 00-0053)*		
22 05 76 00-0055	EA	1-1/4", 1-1/2" Or 2" Threaded Bronze Plug	31.40	10.16
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0056	EA	2-1/2" Threaded Bronze Plug	36.03	11.05
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0057	EA	3" Threaded Bronze Plug	52.93	12.19
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0058	EA	3-1/2" Threaded Bronze Plug	60.01	14.23
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0059	EA	4" Threaded Bronze Plug	68.08	16.26
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0060	EA	5" Threaded Bronze Plug	89.65	18.29
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0061	EA	6" Threaded Bronze Plug	123.21	20.33
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0062	EA	8" Threaded Bronze Plug	192.21	22.36
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0063	EA	10" Threaded Bronze Plug	266.28	24.38
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0064		Threaded Brass Plugs *(22 05 76 00-0053)*		
22 05 76 00-0065	EA	1-1/2" Threaded Brass Plug, Raised Head	24.30	10.16
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0066	EA	2" Threaded Brass Plug, Raised Head	24.99	10.16
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0067	EA	2-1/2" Threaded Brass Plug, Raised Head	27.41	11.05
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0068	EA	3" Threaded Brass Plug, Raised Head	31.34	12.19
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0069	EA	3-1/2" Threaded Brass Plug, Raised Head	37.28	14.23
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0070	EA	4" Threaded Brass Plug, Raised Head	44.48	16.26
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0071	EA	4-1/2" Threaded Brass Plug, Raised Head	48.05	17.13
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0072	EA	5" Threaded Brass Plug, Raised Head	52.07	18.29
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0073	EA	6" Threaded Brass Plug, Raised Head	72.88	20.32
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0074	EA	1-1/2" Threaded Brass Plug, Countersunk Head	23.76	10.16
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0075	EA	2" Threaded Brass Plug, Countersunk Head	24.52	10.16
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0076	EA	2-1/2" Threaded Brass Plug, Countersunk Head	28.91	11.05
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0077	EA	3" Threaded Brass Plug, Countersunk Head	31.56	12.19
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0078	EA	3-1/2" Threaded Brass Plug, Countersunk Head	36.63	14.23
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0079	EA	4" Threaded Brass Plug, Countersunk Head	43.46	16.26
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0080	EA	5" Threaded Brass Plug, Countersunk Head	51.51	18.29
		For Plug Tapped For Center Screw, Add	*9.50*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0081		EA	6" Threaded Brass Plug, Countersunk Head	63.89	20.33
			For Plug Tapped For Center Screw, Add	*9.50*	

22 07 Plumbing Insulation *(22)*

22 07 16 Plumbing Equipment Insulation *(22 07)*

22 07 16 00-0001 Lavatory Insulation *(22 07 16)*

22 07 16 00-0002		EA	Neoprene Insulation Kit For Under Lavatories	172.46	18.46

22 07 19 Plumbing Piping Insulation *(22 07)*

22 07 19 00-0001 Fiberglass Pipe Insulation *(22 07 19)*

Note: Includes factory applied All Service Jacket (ASJ), Self Sealing Lap (SSL) longitudinal seam, butt strip seals, and adhesive. Excludes insulation for fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.

22 07 19 00-0002 1/2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0003		LF	1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	6.01	1.80
			For Single Layer Of Felt Finish, Add	*0.12*	
			For Work In Restricted Working Space, Add	*1.46*	
22 07 19 00-0004		LF	3/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	6.13	1.80
			For Single Layer Of Felt Finish, Add	*0.13*	
			For Work In Restricted Working Space, Add	*1.46*	
22 07 19 00-0005		LF	1" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	6.51	1.89
			For Single Layer Of Felt Finish, Add	*0.14*	
			For Work In Restricted Working Space, Add	*1.55*	
22 07 19 00-0006		LF	1-1/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	6.75	1.97
			For Single Layer Of Felt Finish, Add	*0.15*	
			For Work In Restricted Working Space, Add	*1.58*	
22 07 19 00-0007		LF	1-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	6.95	1.97
			For Single Layer Of Felt Finish, Add	*0.16*	
			For Work In Restricted Working Space, Add	*1.61*	
22 07 19 00-0008		LF	2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	7.35	2.05
			For Single Layer Of Felt Finish, Add	*0.18*	
			For Work In Restricted Working Space, Add	*1.70*	
22 07 19 00-0009		LF	2-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	7.69	2.13
			For Single Layer Of Felt Finish, Add	*0.20*	
			For Work In Restricted Working Space, Add	*1.73*	
22 07 19 00-0010		LF	3" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	8.11	2.21
			For Single Layer Of Felt Finish, Add	*0.23*	
			For Work In Restricted Working Space, Add	*1.79*	
22 07 19 00-0011		LF	4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	9.20	2.38
			For Single Layer Of Felt Finish, Add	*0.29*	
			For Work In Restricted Working Space, Add	*1.94*	
22 07 19 00-0012		LF	6" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	10.86	2.79
			For Single Layer Of Felt Finish, Add	*0.35*	
			For Work In Restricted Working Space, Add	*2.26*	

22 07 19 00-0013 1" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0014		LF	1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	8.09	2.47
			For Single Layer Of Felt Finish, Add	*0.14*	
			For Work In Restricted Working Space, Add	*2.03*	
22 07 19 00-0015		LF	3/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	8.29	2.47
			For Single Layer Of Felt Finish, Add	*0.16*	
			For Work In Restricted Working Space, Add	*2.03*	
22 07 19 00-0016		LF	1" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	8.41	2.47
			For Single Layer Of Felt Finish, Add	*0.16*	
			For Work In Restricted Working Space, Add	*2.05*	
22 07 19 00-0017		LF	1-1/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	8.71	2.55
			For Single Layer Of Felt Finish, Add	*0.19*	
			For Work In Restricted Working Space, Add	*2.08*	
22 07 19 00-0018		LF	1-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	8.94	2.55
			For Single Layer Of Felt Finish, Add	*0.20*	
			For Work In Restricted Working Space, Add	*2.11*	
22 07 19 00-0019		LF	2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	9.31	2.63
			For Single Layer Of Felt Finish, Add	*0.22*	
			For Work In Restricted Working Space, Add	*2.17*	
22 07 19 00-0020		LF	2-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	9.81	2.79
			For Single Layer Of Felt Finish, Add	*0.24*	
			For Work In Restricted Working Space, Add	*2.26*	
22 07 19 00-0021		LF	3" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	10.31	2.87
			For Single Layer Of Felt Finish, Add	*0.27*	
			For Work In Restricted Working Space, Add	*2.32*	
22 07 19 00-0022		LF	4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	11.65	3.04
			For Single Layer Of Felt Finish, Add	*0.35*	
			For Work In Restricted Working Space, Add	*2.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0023	LF	6" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	13.46	3.53
		For Single Layer Of Felt Finish, Add	*0.43*	
		For Work In Restricted Working Space, Add	*2.81*	
22 07 19 00-0024	LF	8" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	16.59	3.94
		For Single Layer Of Felt Finish, Add	*0.61*	
		For Work In Restricted Working Space, Add	*3.23*	
22 07 19 00-0025	LF	10" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	19.51	4.68
		For Single Layer Of Felt Finish, Add	*0.72*	
		For Work In Restricted Working Space, Add	*3.81*	
22 07 19 00-0026	LF	12" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	22.39	5.34
		For Single Layer Of Felt Finish, Add	*0.81*	
		For Work In Restricted Working Space, Add	*4.40*	
22 07 19 00-0027	LF	14" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	24.13	5.83
		For Single Layer Of Felt Finish, Add	*0.94*	
		For Work In Restricted Working Space, Add	*4.55*	

22 07 19 00-0028 1-1/2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0029	LF	1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	9.75	2.54
		For Single Layer Of Felt Finish, Add	*0.29*	
		For Work In Restricted Working Space, Add	*2.11*	
22 07 19 00-0030	LF	3/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	9.88	2.54
		For Single Layer Of Felt Finish, Add	*0.30*	
		For Work In Restricted Working Space, Add	*2.11*	
22 07 19 00-0031	LF	1" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	10.43	2.69
		For Single Layer Of Felt Finish, Add	*0.31*	
		For Work In Restricted Working Space, Add	*2.23*	
22 07 19 00-0032	LF	1-1/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	10.80	2.74
		For Single Layer Of Felt Finish, Add	*0.34*	
		For Work In Restricted Working Space, Add	*2.27*	
22 07 19 00-0033	LF	1-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	11.11	2.79
		For Single Layer Of Felt Finish, Add	*0.36*	
		For Work In Restricted Working Space, Add	*2.32*	
22 07 19 00-0034	LF	2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	11.85	2.94
		For Single Layer Of Felt Finish, Add	*0.39*	
		For Work In Restricted Working Space, Add	*2.45*	
22 07 19 00-0035	LF	2-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.35	2.99
		For Single Layer Of Felt Finish, Add	*0.43*	
		For Work In Restricted Working Space, Add	*2.49*	
22 07 19 00-0036	LF	3" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.76	3.09
		For Single Layer Of Felt Finish, Add	*0.44*	
		For Work In Restricted Working Space, Add	*2.57*	
22 07 19 00-0037	LF	4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	14.06	3.35
		For Single Layer Of Felt Finish, Add	*0.50*	
		For Work In Restricted Working Space, Add	*2.78*	
22 07 19 00-0038	LF	6" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	16.30	3.91
		For Single Layer Of Felt Finish, Add	*0.58*	
		For Work In Restricted Working Space, Add	*3.25*	
22 07 19 00-0039	LF	8" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	18.28	4.12
		For Single Layer Of Felt Finish, Add	*0.72*	
		For Work In Restricted Working Space, Add	*3.43*	
22 07 19 00-0040	LF	10" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	22.31	4.93
		For Single Layer Of Felt Finish, Add	*0.91*	
		For Work In Restricted Working Space, Add	*4.10*	
22 07 19 00-0041	LF	12" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	25.34	5.75
		For Single Layer Of Felt Finish, Add	*0.99*	
		For Work In Restricted Working Space, Add	*4.78*	
22 07 19 00-0042	LF	14" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	28.34	6.29
		For Single Layer Of Felt Finish, Add	*1.14*	
		For Work In Restricted Working Space, Add	*5.23*	

22 07 19 00-0043 2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0044	LF	1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	11.99	2.79
		For Single Layer Of Felt Finish, Add	*0.45*	
		For Work In Restricted Working Space, Add	*2.32*	
22 07 19 00-0045	LF	3/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.13	2.79
		For Single Layer Of Felt Finish, Add	*0.46*	
		For Work In Restricted Working Space, Add	*2.32*	
22 07 19 00-0046	LF	1" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.53	2.87
		For Single Layer Of Felt Finish, Add	*0.50*	
		For Work In Restricted Working Space, Add	*2.34*	
22 07 19 00-0047	LF	1-1/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.90	2.87
		For Single Layer Of Felt Finish, Add	*0.52*	
		For Work In Restricted Working Space, Add	*2.37*	
22 07 19 00-0048	LF	1-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	13.28	2.95
		For Single Layer Of Felt Finish, Add	*0.55*	
		For Work In Restricted Working Space, Add	*2.40*	
22 07 19 00-0049	LF	2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	13.79	3.04
		For Single Layer Of Felt Finish, Add	*0.58*	
		For Work In Restricted Working Space, Add	*2.49*	
22 07 19 00-0050	LF	2-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	14.49	3.12
		For Single Layer Of Felt Finish, Add	*0.62*	
		For Work In Restricted Working Space, Add	*2.58*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0051		LF	3" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	15.24	3.28
			For Single Layer Of Felt Finish, Add	*0.67*	
			For Work In Restricted Working Space, Add	*2.67*	
22 07 19 00-0052		LF	4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	16.65	3.44
			For Single Layer Of Felt Finish, Add	*0.76*	
			For Work In Restricted Working Space, Add	*2.81*	
22 07 19 00-0053		LF	6" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	19.71	4.05
			For Single Layer Of Felt Finish, Add	*0.89*	
			For Work In Restricted Working Space, Add	*3.38*	
22 07 19 00-0054		LF	8" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	22.32	4.28
			For Single Layer Of Felt Finish, Add	*1.10*	
			For Work In Restricted Working Space, Add	*3.56*	
22 07 19 00-0055		LF	10" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	26.71	5.11
			For Single Layer Of Felt Finish, Add	*1.31*	
			For Work In Restricted Working Space, Add	*4.27*	
22 07 19 00-0056		LF	12" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	30.74	6.13
			For Single Layer Of Felt Finish, Add	*1.44*	
			For Work In Restricted Working Space, Add	*5.11*	
22 07 19 00-0057		LF	14" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	39.26	6.68
			For Single Layer Of Felt Finish, Add	*1.63*	
			For Work In Restricted Working Space, Add	*7.13*	
22 07 19 00-0058		LF	16" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	41.41	7.84
			For Single Layer Of Felt Finish, Add	*1.85*	
			For Work In Restricted Working Space, Add	*7.13*	
22 07 19 00-0059		LF	18" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	45.93	8.24
			For Single Layer Of Felt Finish, Add	*2.20*	
			For Work In Restricted Working Space, Add	*7.48*	
22 07 19 00-0060		LF	20" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	52.05	9.40
			For Single Layer Of Felt Finish, Add	*2.47*	
			For Work In Restricted Working Space, Add	*8.55*	
22 07 19 00-0061		LF	24" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	60.55	11.37
			For Single Layer Of Felt Finish, Add	*2.74*	
			For Work In Restricted Working Space, Add	*10.33*	

22 07 19 00-0062 2-1/2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0063		LF	1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	14.84	3.28
			For Single Layer Of Felt Finish, Add	*0.62*	
			For Work In Restricted Working Space, Add	*2.67*	
22 07 19 00-0064		LF	3/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	15.04	3.28
			For Single Layer Of Felt Finish, Add	*0.64*	
			For Work In Restricted Working Space, Add	*2.67*	
22 07 19 00-0065		LF	1" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	15.63	3.28
			For Single Layer Of Felt Finish, Add	*0.69*	
			For Work In Restricted Working Space, Add	*2.71*	
22 07 19 00-0066		LF	1-1/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	16.07	3.36
			For Single Layer Of Felt Finish, Add	*0.73*	
			For Work In Restricted Working Space, Add	*2.73*	
22 07 19 00-0067		LF	1-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	16.52	3.36
			For Single Layer Of Felt Finish, Add	*0.77*	
			For Work In Restricted Working Space, Add	*2.75*	
22 07 19 00-0068		LF	2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	17.21	3.53
			For Single Layer Of Felt Finish, Add	*0.80*	
			For Work In Restricted Working Space, Add	*2.87*	
22 07 19 00-0069		LF	2-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	18.17	3.61
			For Single Layer Of Felt Finish, Add	*0.87*	
			For Work In Restricted Working Space, Add	*2.97*	
22 07 19 00-0070		LF	3" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	19.05	3.78
			For Single Layer Of Felt Finish, Add	*0.93*	
			For Work In Restricted Working Space, Add	*3.07*	
22 07 19 00-0071		LF	4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	21.04	3.94
			For Single Layer Of Felt Finish, Add	*1.08*	
			For Work In Restricted Working Space, Add	*3.24*	
22 07 19 00-0072		LF	6" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	24.13	4.19
			For Single Layer Of Felt Finish, Add	*1.25*	
			For Work In Restricted Working Space, Add	*3.68*	
22 07 19 00-0073		LF	8" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	32.13	5.00
			For Single Layer Of Felt Finish, Add	*1.94*	
			For Work In Restricted Working Space, Add	*4.10*	
22 07 19 00-0074		LF	10" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	38.35	5.75
			For Single Layer Of Felt Finish, Add	*2.37*	
			For Work In Restricted Working Space, Add	*4.73*	
22 07 19 00-0075		LF	12" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	43.65	7.14
			For Single Layer Of Felt Finish, Add	*2.52*	
			For Work In Restricted Working Space, Add	*5.88*	
22 07 19 00-0076		LF	14" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	49.32	7.88
			For Single Layer Of Felt Finish, Add	*2.93*	
			For Work In Restricted Working Space, Add	*6.42*	
22 07 19 00-0077		LF	16" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	58.12	10.02
			For Single Layer Of Felt Finish, Add	*3.23*	
			For Work In Restricted Working Space, Add	*8.21*	
22 07 19 00-0078		LF	18" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	62.48	10.51
			For Single Layer Of Felt Finish, Add	*3.54*	
			For Work In Restricted Working Space, Add	*8.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0079	LF	20" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	70.92	11.98
		For Single Layer Of Felt Finish, Add	*4.00*	
		For Work In Restricted Working Space, Add	*9.85*	
22 07 19 00-0080	LF	24" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	83.46	14.48
		For Single Layer Of Felt Finish, Add	*4.60*	
		For Work In Restricted Working Space, Add	*11.90*	

22 07 19 00-0081 3" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0082	LF	1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	16.37	3.62
		For Single Layer Of Felt Finish, Add	*0.68*	
		For Work In Restricted Working Space, Add	*2.96*	
22 07 19 00-0083	LF	3/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	16.59	3.62
		For Single Layer Of Felt Finish, Add	*0.71*	
		For Work In Restricted Working Space, Add	*2.96*	
22 07 19 00-0084	LF	1" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	17.19	3.66
		For Single Layer Of Felt Finish, Add	*0.76*	
		For Work In Restricted Working Space, Add	*2.99*	
22 07 19 00-0085	LF	1-1/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	17.65	3.68
		For Single Layer Of Felt Finish, Add	*0.80*	
		For Work In Restricted Working Space, Add	*3.01*	
22 07 19 00-0086	LF	1-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	18.19	3.72
		For Single Layer Of Felt Finish, Add	*0.85*	
		For Work In Restricted Working Space, Add	*3.04*	
22 07 19 00-0087	LF	2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	18.90	3.87
		For Single Layer Of Felt Finish, Add	*0.88*	
		For Work In Restricted Working Space, Add	*3.15*	
22 07 19 00-0088	LF	2-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	19.95	4.00
		For Single Layer Of Felt Finish, Add	*0.95*	
		For Work In Restricted Working Space, Add	*3.26*	
22 07 19 00-0089	LF	3" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	20.93	4.15
		For Single Layer Of Felt Finish, Add	*1.02*	
		For Work In Restricted Working Space, Add	*3.38*	
22 07 19 00-0090	LF	4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	23.13	4.38
		For Single Layer Of Felt Finish, Add	*1.18*	
		For Work In Restricted Working Space, Add	*3.56*	
22 07 19 00-0091	LF	6" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	26.50	4.96
		For Single Layer Of Felt Finish, Add	*1.37*	
		For Work In Restricted Working Space, Add	*4.05*	
22 07 19 00-0092	LF	8" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	35.28	5.53
		For Single Layer Of Felt Finish, Add	*2.13*	
		For Work In Restricted Working Space, Add	*4.51*	
22 07 19 00-0093	LF	10" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	42.13	6.38
		For Single Layer Of Felt Finish, Add	*2.60*	
		For Work In Restricted Working Space, Add	*5.21*	
22 07 19 00-0094	LF	12" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	47.94	7.93
		For Single Layer Of Felt Finish, Add	*2.77*	
		For Work In Restricted Working Space, Add	*6.47*	
22 07 19 00-0095	LF	14" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	54.19	8.67
		For Single Layer Of Felt Finish, Add	*3.22*	
		For Work In Restricted Working Space, Add	*7.07*	
22 07 19 00-0096	LF	16" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	63.86	11.07
		For Single Layer Of Felt Finish, Add	*3.55*	
		For Work In Restricted Working Space, Add	*9.03*	
22 07 19 00-0097	LF	18" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	68.65	11.63
		For Single Layer Of Felt Finish, Add	*3.89*	
		For Work In Restricted Working Space, Add	*9.48*	
22 07 19 00-0098	LF	20" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	77.93	13.30
		For Single Layer Of Felt Finish, Add	*4.39*	
		For Work In Restricted Working Space, Add	*10.84*	
22 07 19 00-0099	LF	24" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	91.70	16.06
		For Single Layer Of Felt Finish, Add	*5.05*	
		For Work In Restricted Working Space, Add	*13.09*	

22 07 19 00-0100 3-1/2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0101	LF	1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	17.65	3.94
		For Single Layer Of Felt Finish, Add	*0.72*	
		For Work In Restricted Working Space, Add	*3.24*	
22 07 19 00-0102	LF	3/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	17.91	3.94
		For Single Layer Of Felt Finish, Add	*0.75*	
		For Work In Restricted Working Space, Add	*3.24*	
22 07 19 00-0103	LF	1" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	18.77	3.94
		For Single Layer Of Felt Finish, Add	*0.83*	
		For Work In Restricted Working Space, Add	*3.26*	
22 07 19 00-0104	LF	1-1/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	19.27	4.02
		For Single Layer Of Felt Finish, Add	*0.88*	
		For Work In Restricted Working Space, Add	*3.28*	
22 07 19 00-0105	LF	1-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	19.88	4.02
		For Single Layer Of Felt Finish, Add	*0.93*	
		For Work In Restricted Working Space, Add	*3.32*	
22 07 19 00-0106	LF	2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	20.62	4.19
		For Single Layer Of Felt Finish, Add	*0.96*	
		For Work In Restricted Working Space, Add	*3.44*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0107	LF	2-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	21.77	4.35
		For Single Layer Of Felt Finish, Add	*1.04*	
		For Work In Restricted Working Space, Add	*3.56*	
22 07 19 00-0108	LF	3" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	22.76	4.51
		For Single Layer Of Felt Finish, Add	*1.10*	
		For Work In Restricted Working Space, Add	*3.68*	
22 07 19 00-0109	LF	4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	25.27	4.76
		For Single Layer Of Felt Finish, Add	*1.29*	
		For Work In Restricted Working Space, Add	*3.89*	
22 07 19 00-0110	LF	6" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	28.94	5.42
		For Single Layer Of Felt Finish, Add	*1.49*	
		For Work In Restricted Working Space, Add	*4.42*	
22 07 19 00-0111	LF	8" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	38.53	5.99
		For Single Layer Of Felt Finish, Add	*2.32*	
		For Work In Restricted Working Space, Add	*4.92*	
22 07 19 00-0112	LF	10" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	46.02	6.90
		For Single Layer Of Felt Finish, Add	*2.84*	
		For Work In Restricted Working Space, Add	*5.68*	
22 07 19 00-0113	LF	12" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	52.37	8.62
		For Single Layer Of Felt Finish, Add	*3.03*	
		For Work In Restricted Working Space, Add	*7.06*	
22 07 19 00-0114	LF	14" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	59.20	9.44
		For Single Layer Of Felt Finish, Add	*3.52*	
		For Work In Restricted Working Space, Add	*7.70*	
22 07 19 00-0115	LF	16" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	69.76	11.98
		For Single Layer Of Felt Finish, Add	*3.88*	
		For Work In Restricted Working Space, Add	*9.85*	
22 07 19 00-0116	LF	18" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	74.98	12.64
		For Single Layer Of Felt Finish, Add	*4.25*	
		For Work In Restricted Working Space, Add	*10.34*	
22 07 19 00-0117	LF	20" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	85.14	14.45
		For Single Layer Of Felt Finish, Add	*4.80*	
		For Work In Restricted Working Space, Add	*11.83*	
22 07 19 00-0118	LF	24" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	100.15	17.40
		For Single Layer Of Felt Finish, Add	*5.52*	
		For Work In Restricted Working Space, Add	*14.28*	

22 07 19 00-0119 4" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0120	LF	1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	20.00	4.43
		For Single Layer Of Felt Finish, Add	*0.84*	
		For Work In Restricted Working Space, Add	*3.60*	
22 07 19 00-0121	LF	3/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	20.29	4.43
		For Single Layer Of Felt Finish, Add	*0.87*	
		For Work In Restricted Working Space, Add	*3.60*	
22 07 19 00-0122	LF	1" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	21.09	4.43
		For Single Layer Of Felt Finish, Add	*0.93*	
		For Work In Restricted Working Space, Add	*3.66*	
22 07 19 00-0123	LF	1-1/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	21.74	4.51
		For Single Layer Of Felt Finish, Add	*0.99*	
		For Work In Restricted Working Space, Add	*3.70*	
22 07 19 00-0124	LF	1-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	22.63	4.68
		For Single Layer Of Felt Finish, Add	*1.04*	
		For Work In Restricted Working Space, Add	*3.82*	
22 07 19 00-0125	LF	2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	23.45	4.84
		For Single Layer Of Felt Finish, Add	*1.08*	
		For Work In Restricted Working Space, Add	*3.94*	
22 07 19 00-0126	LF	2-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	24.50	4.84
		For Single Layer Of Felt Finish, Add	*1.17*	
		For Work In Restricted Working Space, Add	*4.00*	
22 07 19 00-0127	LF	3" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	25.71	5.08
		For Single Layer Of Felt Finish, Add	*1.25*	
		For Work In Restricted Working Space, Add	*4.14*	
22 07 19 00-0128	LF	4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	28.41	5.34
		For Single Layer Of Felt Finish, Add	*1.45*	
		For Work In Restricted Working Space, Add	*4.37*	
22 07 19 00-0129	LF	6" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	32.56	6.07
		For Single Layer Of Felt Finish, Add	*1.68*	
		For Work In Restricted Working Space, Add	*4.97*	
22 07 19 00-0130	LF	8" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	43.34	6.56
		For Single Layer Of Felt Finish, Add	*2.61*	
		For Work In Restricted Working Space, Add	*5.54*	
22 07 19 00-0131	LF	10" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	51.78	7.79
		For Single Layer Of Felt Finish, Add	*3.20*	
		For Work In Restricted Working Space, Add	*6.39*	
22 07 19 00-0132	LF	12" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	58.93	9.68
		For Single Layer Of Felt Finish, Add	*3.41*	
		For Work In Restricted Working Space, Add	*7.94*	
22 07 19 00-0133	LF	14" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	66.62	10.59
		For Single Layer Of Felt Finish, Add	*3.96*	
		For Work In Restricted Working Space, Add	*8.67*	
22 07 19 00-0134	LF	16" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	78.52	13.54
		For Single Layer Of Felt Finish, Add	*4.36*	
		For Work In Restricted Working Space, Add	*11.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0135	LF	18" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	84.32	14.19
		For Single Layer Of Felt Finish, Add	*4.79*	
		For Work In Restricted Working Space, Add	*11.62*	
22 07 19 00-0136	LF	20" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	94.59	16.25
		For Single Layer Of Felt Finish, Add	*5.28*	
		For Work In Restricted Working Space, Add	*13.30*	
22 07 19 00-0137	LF	24" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	112.69	19.61
		For Single Layer Of Felt Finish, Add	*6.21*	
		For Work In Restricted Working Space, Add	*16.07*	
22 07 19 00-0138	LF	26" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	128.73	23.14
		For Single Layer Of Felt Finish, Add	*6.89*	
		For Work In Restricted Working Space, Add	*18.94*	
22 07 19 00-0139	LF	28" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	145.22	27.25
		For Single Layer Of Felt Finish, Add	*7.44*	
		For Work In Restricted Working Space, Add	*22.31*	
22 07 19 00-0140	LF	30" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	163.90	32.18
		For Single Layer Of Felt Finish, Add	*7.96*	
		For Work In Restricted Working Space, Add	*26.42*	
22 07 19 00-0141	LF	36" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	198.14	40.90
		For Single Layer Of Felt Finish, Add	*9.05*	
		For Work In Restricted Working Space, Add	*33.59*	
22 07 19 00-0142	LF	42" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	232.37	49.82
		For Single Layer Of Felt Finish, Add	*10.13*	
		For Work In Restricted Working Space, Add	*40.77*	
22 07 19 00-0143	LF	44" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	249.97	54.75
		For Single Layer Of Felt Finish, Add	*10.52*	
		For Work In Restricted Working Space, Add	*44.93*	
22 07 19 00-0144	LF	46" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	265.79	58.93
		For Single Layer Of Felt Finish, Add	*10.94*	
		For Work In Restricted Working Space, Add	*48.47*	

22 07 19 00-0145 Foamglas Pipe Insulation, Rigid, Closed Cell *(22 07 19)*

Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.

22 07 19 00-0146 1" Thick Foamglas Pipe Insulation *(22 07 19 00-0145)*

22 07 19 00-0147	LF	1/2" Diameter Pipe, 1" Thick Foamglas Insulation	14.90	4.01
		For Work In Restricted Working Space, Add	*3.64*	
22 07 19 00-0148	LF	3/4" Diameter Pipe, 1" Thick Foamglas Insulation	15.61	4.01
		For Work In Restricted Working Space, Add	*3.64*	
22 07 19 00-0149	LF	1" Diameter Pipe, 1" Thick Foamglas Insulation	16.49	4.07
		For Work In Restricted Working Space, Add	*3.69*	
22 07 19 00-0150	LF	1-1/4" Diameter Pipe, 1" Thick Foamglas Insulation	16.91	4.12
		For Work In Restricted Working Space, Add	*3.74*	
22 07 19 00-0151	LF	1-1/2" Diameter Pipe, 1" Thick Foamglas Insulation	17.56	4.18
		For Work In Restricted Working Space, Add	*3.80*	
22 07 19 00-0152	LF	2" Diameter Pipe, 1" Thick Foamglas Insulation	18.81	4.29
		For Work In Restricted Working Space, Add	*3.91*	
22 07 19 00-0153	LF	2-1/2" Diameter Pipe, 1" Thick Foamglas Insulation	20.35	4.47
		For Work In Restricted Working Space, Add	*4.07*	
22 07 19 00-0154	LF	3" Diameter Pipe, 1" Thick Foamglas Insulation	22.08	4.59
		For Work In Restricted Working Space, Add	*4.17*	
22 07 19 00-0155	LF	4" Diameter Pipe, 1" Thick Foamglas Insulation	25.73	4.93
		For Work In Restricted Working Space, Add	*4.49*	
22 07 19 00-0156	LF	6" Diameter Pipe, 1" Thick Foamglas Insulation	33.17	5.57
		For Work In Restricted Working Space, Add	*5.06*	

22 07 19 00-0157 1-1/2" Thick Foamglas Pipe Insulation *(22 07 19 00-0145)*

22 07 19 00-0158	LF	1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	20.79	5.25
		For Work In Restricted Working Space, Add	*4.77*	
22 07 19 00-0159	LF	3/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	21.23	5.25
		For Work In Restricted Working Space, Add	*4.77*	
22 07 19 00-0160	LF	1" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	21.68	5.25
		For Work In Restricted Working Space, Add	*4.77*	
22 07 19 00-0161	LF	1-1/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	22.53	5.42
		For Work In Restricted Working Space, Add	*4.93*	
22 07 19 00-0162	LF	1-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	23.36	5.61
		For Work In Restricted Working Space, Add	*5.09*	
22 07 19 00-0163	LF	2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	25.35	5.80
		For Work In Restricted Working Space, Add	*5.28*	
22 07 19 00-0164	LF	2-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	28.61	6.02
		For Work In Restricted Working Space, Add	*5.47*	
22 07 19 00-0165	LF	3" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	31.69	6.25
		For Work In Restricted Working Space, Add	*5.69*	
22 07 19 00-0166	LF	4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	35.33	6.50
		For Work In Restricted Working Space, Add	*5.91*	
22 07 19 00-0167	LF	6" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	40.14	6.89
		For Work In Restricted Working Space, Add	*6.26*	
22 07 19 00-0168	LF	8" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	43.79	7.31
		For Work In Restricted Working Space, Add	*6.65*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0169	LF	10" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	53.72	8.60
		For Work In Restricted Working Space, Add	*7.81*	
22 07 19 00-0170	LF	12" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	61.54	9.99
		For Work In Restricted Working Space, Add	*9.08*	
22 07 19 00-0171	LF	14" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	66.91	10.33
		For Work In Restricted Working Space, Add	*9.39*	
22 07 19 00-0172	LF	16" Diameter Pipe, 2" Thick Foamglas Insulation	73.56	11.54
		For Work In Restricted Working Space, Add	*10.49*	
22 07 19 00-0173	LF	18" Diameter Pipe, 2" Thick Foamglas Insulation	83.03	13.65
		For Work In Restricted Working Space, Add	*12.41*	
22 07 19 00-0174	LF	20" Diameter Pipe, 2" Thick Foamglas Insulation	92.84	15.11
		For Work In Restricted Working Space, Add	*13.74*	
22 07 19 00-0175	LF	24" Diameter Pipe, 2" Thick Fiberglass Insulation	117.21	16.74
		For Work In Restricted Working Space, Add	*15.22*	

22 07 19 00-0176 2" Thick Foamglas Pipe Insulation *(22 07 19 00-0145)*

22 07 19 00-0177	LF	1/2" Diameter Pipe, 2" Thick Foamglas Insulation	20.29	4.59
		For Work In Restricted Working Space, Add	*4.17*	
22 07 19 00-0178	LF	3/4" Diameter Pipe, 2" Thick Foamglas Insulation	20.98	4.59
		For Work In Restricted Working Space, Add	*4.17*	
22 07 19 00-0179	LF	1" Diameter Pipe, 2" Thick Foamglas Insulation	21.82	4.64
		For Work In Restricted Working Space, Add	*4.22*	
22 07 19 00-0180	LF	1-1/4" Diameter Pipe, 2" Thick Foamglas Insulation	23.09	4.70
		For Work In Restricted Working Space, Add	*4.27*	
22 07 19 00-0181	LF	1-1/2" Diameter Pipe, 2" Thick Foamglas Insulation	24.37	4.76
		For Work In Restricted Working Space, Add	*4.33*	
22 07 19 00-0182	LF	2" Diameter Pipe, 2" Thick Foamglas Insulation	27.48	4.93
		For Work In Restricted Working Space, Add	*4.49*	
22 07 19 00-0183	LF	2-1/2" Diameter Pipe, 2" Thick Foamglas Insulation	28.87	5.11
		For Work In Restricted Working Space, Add	*4.64*	
22 07 19 00-0184	LF	3" Diameter Pipe, 2" Thick Foamglas Insulation	31.10	5.28
		For Work In Restricted Working Space, Add	*4.80*	
22 07 19 00-0185	LF	4" Diameter Pipe, 2" Thick Foamglas Insulation	35.25	5.58
		For Work In Restricted Working Space, Add	*5.06*	
22 07 19 00-0186	LF	6" Diameter Pipe, 2" Thick Foamglas Insulation	42.37	6.33
		For Work In Restricted Working Space, Add	*5.75*	
22 07 19 00-0187	LF	8" Diameter Pipe, 2" Thick Foamglas Insulation	47.16	7.06
		For Work In Restricted Working Space, Add	*6.41*	
22 07 19 00-0188	LF	10" Diameter Pipe, 2" Thick Foamglas Insulation	57.67	8.13
		For Work In Restricted Working Space, Add	*7.40*	
22 07 19 00-0189	LF	12" Diameter Pipe, 2" Thick Foamglas Insulation	71.42	10.11
		For Work In Restricted Working Space, Add	*9.19*	
22 07 19 00-0190	LF	14" Diameter Pipe, 2" Thick Foamglas Insulation	76.16	11.04
		For Work In Restricted Working Space, Add	*10.03*	
22 07 19 00-0191	LF	16" Diameter Pipe, 2" Thick Foamglas Insulation	89.37	14.10
		For Work In Restricted Working Space, Add	*12.83*	
22 07 19 00-0192	LF	18" Diameter Pipe, 2" Thick Foamglas Insulation	97.79	14.82
		For Work In Restricted Working Space, Add	*13.46*	
22 07 19 00-0193	LF	20" Diameter Pipe, 2" Thick Foamglas Insulation	107.83	16.93
		For Work In Restricted Working Space, Add	*15.39*	
22 07 19 00-0194	LF	24" Diameter Pipe, 2" Thick Foamglas Insulation	135.76	20.46
		For Work In Restricted Working Space, Add	*18.60*	

22 07 19 00-0195 2-1/2" Thick Foamglas Pipe Insulation *(22 07 19 00-0145)*

22 07 19 00-0196	LF	1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	25.02	4.97
		For Work In Restricted Working Space, Add	*4.52*	
22 07 19 00-0197	LF	3/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	26.19	4.96
		For Work In Restricted Working Space, Add	*4.52*	
22 07 19 00-0198	LF	1" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	27.62	5.04
		For Work In Restricted Working Space, Add	*4.59*	
22 07 19 00-0199	LF	1-1/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	28.91	5.08
		For Work In Restricted Working Space, Add	*4.62*	
22 07 19 00-0200	LF	1-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	30.22	5.13
		For Work In Restricted Working Space, Add	*4.66*	
22 07 19 00-0201	LF	2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	32.50	5.34
		For Work In Restricted Working Space, Add	*4.85*	
22 07 19 00-0202	LF	2-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	34.68	5.53
		For Work In Restricted Working Space, Add	*5.02*	
22 07 19 00-0203	LF	3" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	37.85	5.71
		For Work In Restricted Working Space, Add	*5.20*	
22 07 19 00-0204	LF	4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	42.66	6.02
		For Work In Restricted Working Space, Add	*5.48*	
22 07 19 00-0205	LF	6" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	51.25	6.86
		For Work In Restricted Working Space, Add	*6.23*	
22 07 19 00-0206	LF	8" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	57.10	7.64
		For Work In Restricted Working Space, Add	*6.95*	
22 07 19 00-0207	LF	10" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	65.09	8.81
		For Work In Restricted Working Space, Add	*8.01*	
22 07 19 00-0208	LF	12" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	81.06	10.95
		For Work In Restricted Working Space, Add	*9.95*	
22 07 19 00-0209	LF	14" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	84.17	11.95
		For Work In Restricted Working Space, Add	*10.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0210	LF	16" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	98.46	15.27
		For Work In Restricted Working Space, Add	*13.88*	
22 07 19 00-0211	LF	18" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	107.44	16.04
		For Work In Restricted Working Space, Add	*14.58*	
22 07 19 00-0212	LF	20" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	123.61	18.32
		For Work In Restricted Working Space, Add	*16.67*	
22 07 19 00-0213	LF	24" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	155.35	22.15
		For Work In Restricted Working Space, Add	*20.13*	

22 07 19 00-0214 3" Thick Foamglas Pipe Insulation *(22 07 19 00-0145)*

22 07 19 00-0215	LF	1/2" Diameter Pipe, 3" Thick Foamglas Insulation	30.72	5.29
		For Work In Restricted Working Space, Add	*4.81*	
22 07 19 00-0216	LF	3/4" Diameter Pipe, 3" Thick Foamglas Insulation	31.42	5.29
		For Work In Restricted Working Space, Add	*4.81*	
22 07 19 00-0217	LF	1" Diameter Pipe, 3" Thick Foamglas Insulation	32.39	5.38
		For Work In Restricted Working Space, Add	*4.88*	
22 07 19 00-0218	LF	1-1/4" Diameter Pipe, 3" Thick Foamglas Insulation	33.21	5.41
		For Work In Restricted Working Space, Add	*4.92*	
22 07 19 00-0219	LF	1-1/2" Diameter Pipe, 3" Thick Foamglas Insulation	34.06	5.46
		For Work In Restricted Working Space, Add	*4.96*	
22 07 19 00-0220	LF	2" Diameter Pipe, 3" Thick Foamglas Insulation	36.74	5.68
		For Work In Restricted Working Space, Add	*5.17*	
22 07 19 00-0221	LF	2-1/2" Diameter Pipe, 3" Thick Foamglas Insulation	39.30	5.88
		For Work In Restricted Working Space, Add	*5.34*	
22 07 19 00-0222	LF	3" Diameter Pipe, 3" Thick Foamglas Insulation	45.05	6.08
		For Work In Restricted Working Space, Add	*5.53*	
22 07 19 00-0223	LF	4" Diameter Pipe, 3" Thick Foamglas Insulation	51.79	6.41
		For Work In Restricted Working Space, Add	*5.83*	
22 07 19 00-0224	LF	6" Diameter Pipe, 3" Thick Foamglas Insulation	56.53	7.29
		For Work In Restricted Working Space, Add	*6.63*	
22 07 19 00-0225	LF	8" Diameter Pipe, 3" Thick Foamglas Insulation	63.91	8.12
		For Work In Restricted Working Space, Add	*7.39*	
22 07 19 00-0226	LF	10" Diameter Pipe, 3" Thick Foamglas Insulation	76.48	9.37
		For Work In Restricted Working Space, Add	*8.52*	
22 07 19 00-0227	LF	12" Diameter Pipe, 3" Thick Foamglas Insulation	88.31	11.65
		For Work In Restricted Working Space, Add	*10.59*	
22 07 19 00-0228	LF	14" Diameter Pipe, 3" Thick Foamglas Insulation	94.38	12.71
		For Work In Restricted Working Space, Add	*11.56*	
22 07 19 00-0229	LF	16" Diameter Pipe, 3" Thick Foamglas Insulation	111.92	16.25
		For Work In Restricted Working Space, Add	*14.77*	
22 07 19 00-0230	LF	18" Diameter Pipe, 3" Thick Foamglas Insulation	120.05	17.06
		For Work In Restricted Working Space, Add	*15.51*	
22 07 19 00-0231	LF	20" Diameter Pipe, 3" Thick Foamglas Insulation	141.03	19.50
		For Work In Restricted Working Space, Add	*17.73*	
22 07 19 00-0232	LF	24" Diameter Pipe, 3" Thick Foamglas Insulation	172.61	23.57
		For Work In Restricted Working Space, Add	*21.42*	

22 07 19 00-0233 3-1/2" Thick Foamglas Pipe Insulation *(22 07 19 00-0145)*

22 07 19 00-0234	LF	1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	36.96	6.41
		For Work In Restricted Working Space, Add	*5.83*	
22 07 19 00-0235	LF	3/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	37.85	6.41
		For Work In Restricted Working Space, Add	*5.83*	
22 07 19 00-0236	LF	1" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	38.87	6.45
		For Work In Restricted Working Space, Add	*5.87*	
22 07 19 00-0237	LF	1-1/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	39.87	6.49
		For Work In Restricted Working Space, Add	*5.90*	
22 07 19 00-0238	LF	1-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	41.01	6.57
		For Work In Restricted Working Space, Add	*5.98*	
22 07 19 00-0239	LF	2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	45.44	6.81
		For Work In Restricted Working Space, Add	*6.18*	
22 07 19 00-0240	LF	2-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	49.89	7.04
		For Work In Restricted Working Space, Add	*6.40*	
22 07 19 00-0241	LF	3" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	52.82	7.29
		For Work In Restricted Working Space, Add	*6.63*	
22 07 19 00-0242	LF	4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	56.64	7.71
		For Work In Restricted Working Space, Add	*7.01*	
22 07 19 00-0243	LF	6" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	65.28	8.75
		For Work In Restricted Working Space, Add	*7.95*	
22 07 19 00-0244	LF	8" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	74.38	9.75
		For Work In Restricted Working Space, Add	*8.86*	
22 07 19 00-0245	LF	10" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	89.27	11.25
		For Work In Restricted Working Space, Add	*10.22*	
22 07 19 00-0246	LF	12" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	104.97	13.97
		For Work In Restricted Working Space, Add	*12.71*	
22 07 19 00-0247	LF	14" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	109.00	15.26
		For Work In Restricted Working Space, Add	*13.87*	
22 07 19 00-0248	LF	16" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	129.77	19.50
		For Work In Restricted Working Space, Add	*17.73*	
22 07 19 00-0249	LF	18" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	143.34	20.48
		For Work In Restricted Working Space, Add	*18.61*	
22 07 19 00-0250	LF	20" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	163.12	23.42
		For Work In Restricted Working Space, Add	*21.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0251	LF	24" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	200.66	28.28
		For Work In Restricted Working Space, Add	*25.70*	

22 07 19 00-0252 4" Thick Foamglas Pipe Insulation *(22 07 19 00-0145)*

22 07 19 00-0253	LF	1/2" Diameter Pipe, 4" Thick Foamglas Insulation	44.96	7.88
		For Work In Restricted Working Space, Add	*7.16*	
22 07 19 00-0254	LF	3/4" Diameter Pipe, 4" Thick Foamglas Insulation	46.10	7.88
		For Work In Restricted Working Space, Add	*7.16*	
22 07 19 00-0255	LF	1" Diameter Pipe, 4" Thick Foamglas Insulation	47.65	8.01
		For Work In Restricted Working Space, Add	*7.28*	
22 07 19 00-0256	LF	1-1/4" Diameter Pipe, 4" Thick Foamglas Insulation	49.07	8.10
		For Work In Restricted Working Space, Add	*7.37*	
22 07 19 00-0257	LF	1-1/2" Diameter Pipe, 4" Thick Foamglas Insulation	51.00	8.37
		For Work In Restricted Working Space, Add	*7.60*	
22 07 19 00-0258	LF	2" Diameter Pipe, 4" Thick Foamglas Insulation	55.40	8.62
		For Work In Restricted Working Space, Add	*7.84*	
22 07 19 00-0259	LF	2-1/2" Diameter Pipe, 4" Thick Foamglas Insulation	59.41	8.76
		For Work In Restricted Working Space, Add	*7.96*	
22 07 19 00-0260	LF	3" Diameter Pipe, 4" Thick Foamglas Insulation	62.45	9.08
		For Work In Restricted Working Space, Add	*8.25*	
22 07 19 00-0261	LF	4" Diameter Pipe, 4" Thick Foamglas Insulation	68.11	10.12
		For Work In Restricted Working Space, Add	*9.20*	
22 07 19 00-0262	LF	6" Diameter Pipe, 4" Thick Foamglas Insulation	79.42	10.86
		For Work In Restricted Working Space, Add	*9.88*	
22 07 19 00-0263	LF	8" Diameter Pipe, 4" Thick Foamglas Insulation	90.04	11.79
		For Work In Restricted Working Space, Add	*10.71*	
22 07 19 00-0264	LF	10" Diameter Pipe, 4" Thick Foamglas Insulation	102.74	14.00
		For Work In Restricted Working Space, Add	*12.73*	
22 07 19 00-0265	LF	12" Diameter Pipe, 4" Thick Foamglas Insulation	119.25	17.40
		For Work In Restricted Working Space, Add	*15.81*	
22 07 19 00-0266	LF	14" Diameter Pipe, 4" Thick Foamglas Insulation	129.59	19.00
		For Work In Restricted Working Space, Add	*17.27*	
22 07 19 00-0267	LF	16" Diameter Pipe, 4" Thick Foamglas Insulation	152.50	24.28
		For Work In Restricted Working Space, Add	*22.08*	
22 07 19 00-0268	LF	18" Diameter Pipe, 4" Thick Foamglas Insulation	170.87	25.45
		For Work In Restricted Working Space, Add	*23.14*	
22 07 19 00-0269	LF	20" Diameter Pipe, 4" Thick Foamglas Insulation	191.08	29.12
		For Work In Restricted Working Space, Add	*26.48*	
22 07 19 00-0270	LF	24" Diameter Pipe, 4" Thick Foamglas Insulation	243.70	35.20
		For Work In Restricted Working Space, Add	*31.99*	

22 07 19 00-0271 Flexible Polyethylene Tubing Closed Cell Foam Insulation *(22 07 19)*

Note: UV resistant standard temperature (-90 Degree F To +212 Degree F). No additional linear feet for fittings required.

22 07 19 00-0272 3/8" Wall Flexible Polyethylene Tubing Foam Insulation *(22 07 19 00-0271)*

22 07 19 00-0273	LF	1/8" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.07	2.46
		For Work In Restricted Working Space, Add	*1.47*	
22 07 19 00-0274	LF	1/4" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.09	2.46
		For Work In Restricted Working Space, Add	*1.47*	
22 07 19 00-0275	LF	3/8" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.10	2.46
		For Work In Restricted Working Space, Add	*1.48*	
22 07 19 00-0276	LF	1/2" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.28	2.55
		For Work In Restricted Working Space, Add	*1.52*	
22 07 19 00-0277	LF	3/4" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.50	2.63
		For Work In Restricted Working Space, Add	*1.58*	
22 07 19 00-0278	LF	1" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.65	2.68
		For Work In Restricted Working Space, Add	*1.61*	
22 07 19 00-0279	LF	1-1/4" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.82	2.72
		For Work In Restricted Working Space, Add	*1.63*	
22 07 19 00-0280	LF	1-1/2" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.88	2.72
		For Work In Restricted Working Space, Add	*1.64*	
22 07 19 00-0281	LF	2" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.04	2.72
		For Work In Restricted Working Space, Add	*1.65*	
22 07 19 00-0282	LF	2-1/2" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.40	2.80
		For Work In Restricted Working Space, Add	*1.70*	
22 07 19 00-0283	LF	3" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.57	2.85
		For Work In Restricted Working Space, Add	*1.72*	

22 07 19 00-0284 1/2" Wall Flexible Polyethylene Tubing Foam Insulation *(22 07 19 00-0271)*

22 07 19 00-0285	LF	1/8" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.59	2.68
		For Work In Restricted Working Space, Add	*1.61*	
22 07 19 00-0286	LF	1/4" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.61	2.68
		For Work In Restricted Working Space, Add	*1.61*	
22 07 19 00-0287	LF	3/8" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.66	2.68
		For Work In Restricted Working Space, Add	*1.62*	
22 07 19 00-0288	LF	1/2" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.74	2.72
		For Work In Restricted Working Space, Add	*1.63*	
22 07 19 00-0289	LF	3/4" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.82	2.72
		For Work In Restricted Working Space, Add	*1.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0290	LF	1" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.04	2.80
		For Work In Restricted Working Space, Add	*1.68*	
22 07 19 00-0291	LF	1-1/4" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.78	2.85
		For Work In Restricted Working Space, Add	*1.58*	
22 07 19 00-0292	LF	1-1/2" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.41	2.89
		For Work In Restricted Working Space, Add	*1.73*	
22 07 19 00-0293	LF	2" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.64	2.93
		For Work In Restricted Working Space, Add	*1.76*	
22 07 19 00-0294	LF	2-1/2" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.05	3.02
		For Work In Restricted Working Space, Add	*1.81*	
22 07 19 00-0295	LF	3" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.44	3.06
		For Work In Restricted Working Space, Add	*1.84*	
22 07 19 00-0296	LF	3-1/2" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.80	3.10
		For Work In Restricted Working Space, Add	*1.86*	
22 07 19 00-0297	LF	4" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.04	3.14
		For Work In Restricted Working Space, Add	*1.89*	

22 07 19 00-0298 3/4" Wall Flexible Polyethylene Tubing Foam Insulation *(22 07 19 00-0271)*

22 07 19 00-0299	LF	1/8" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.13	2.89
		For Work In Restricted Working Space, Add	*1.73*	
22 07 19 00-0300	LF	1/4" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.16	2.89
		For Work In Restricted Working Space, Add	*1.73*	
22 07 19 00-0301	LF	3/8" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.24	2.93
		For Work In Restricted Working Space, Add	*1.76*	
22 07 19 00-0302	LF	1/2" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.54	3.02
		For Work In Restricted Working Space, Add	*1.81*	
22 07 19 00-0303	LF	3/4" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.69	3.06
		For Work In Restricted Working Space, Add	*1.84*	
22 07 19 00-0304	LF	1" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.04	3.14
		For Work In Restricted Working Space, Add	*1.89*	
22 07 19 00-0305	LF	1-1/4" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.37	3.19
		For Work In Restricted Working Space, Add	*1.91*	
22 07 19 00-0306	LF	1-1/2" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.52	3.19
		For Work In Restricted Working Space, Add	*1.93*	
22 07 19 00-0307	LF	2" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.06	3.23
		For Work In Restricted Working Space, Add	*1.94*	
22 07 19 00-0308	LF	2-1/2" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.88	3.31
		For Work In Restricted Working Space, Add	*1.99*	
22 07 19 00-0309	LF	3" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.96	3.36
		For Work In Restricted Working Space, Add	*2.02*	
22 07 19 00-0310	LF	3-1/2" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.53	3.40
		For Work In Restricted Working Space, Add	*2.05*	
22 07 19 00-0311	LF	4" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.78	3.44
		For Work In Restricted Working Space, Add	*2.07*	

22 07 19 00-0312 1" Wall Flexible Polyethylene Tubing Foam Insulation *(22 07 19 00-0271)*

22 07 19 00-0313	LF	1/4" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.91	3.19
		For Work In Restricted Working Space, Add	*1.91*	
22 07 19 00-0314	LF	3/8" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.05	3.23
		For Work In Restricted Working Space, Add	*1.94*	
22 07 19 00-0315	LF	1/2" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.46	3.31
		For Work In Restricted Working Space, Add	*1.99*	
22 07 19 00-0316	LF	3/4" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.60	3.36
		For Work In Restricted Working Space, Add	*2.02*	
22 07 19 00-0317	LF	1" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.17	3.44
		For Work In Restricted Working Space, Add	*2.07*	
22 07 19 00-0318	LF	1-1/4" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.48	3.53
		For Work In Restricted Working Space, Add	*2.12*	
22 07 19 00-0319	LF	1-1/2" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.62	3.53
		For Work In Restricted Working Space, Add	*2.15*	
22 07 19 00-0320	LF	2" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.13	3.62
		For Work In Restricted Working Space, Add	*2.17*	
22 07 19 00-0321	LF	2-1/2" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.54	3.70
		For Work In Restricted Working Space, Add	*2.22*	
22 07 19 00-0322	LF	3" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.87	3.76
		For Work In Restricted Working Space, Add	*2.25*	

22 07 19 00-0323 Flexible Elastomeric Tubing Closed Cell Foam Insulation *(22 07 19)*

Note: No additional LF for fittings required.

22 07 19 00-0324 3/8" Wall Flexible Elastomeric Tubing Foam Insulation *(22 07 19 00-0323)*

22 07 19 00-0325	LF	1/4" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	5.17	2.46
		For Work In Restricted Working Space, Add	*1.47*	
22 07 19 00-0326	LF	3/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	5.22	2.46
		For Work In Restricted Working Space, Add	*1.48*	
22 07 19 00-0327	LF	1/2" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	5.40	2.55
		For Work In Restricted Working Space, Add	*1.52*	
22 07 19 00-0328	LF	5/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	5.48	2.59
		For Work In Restricted Working Space, Add	*1.55*	
22 07 19 00-0329	LF	3/4" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	5.65	2.63
		For Work In Restricted Working Space, Add	*1.58*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0330	LF	7/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	5.69	2.63
		For Work In Restricted Working Space, Add	*1.59*	
22 07 19 00-0331	LF	1" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	5.77	2.68
		For Work In Restricted Working Space, Add	*1.61*	
22 07 19 00-0332	LF	1-1/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	5.81	2.68
		For Work In Restricted Working Space, Add	*1.62*	
22 07 19 00-0333	LF	1-1/4" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	5.96	2.72
		For Work In Restricted Working Space, Add	*1.63*	
22 07 19 00-0334	LF	1-5/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.04	2.72
		For Work In Restricted Working Space, Add	*1.64*	
22 07 19 00-0335	LF	2" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.25	2.72
		For Work In Restricted Working Space, Add	*1.65*	
22 07 19 00-0336	LF	2-1/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.37	2.76
		For Work In Restricted Working Space, Add	*1.66*	
22 07 19 00-0337	LF	2-3/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.55	2.80
		For Work In Restricted Working Space, Add	*1.68*	
22 07 19 00-0338	LF	2-5/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.68	2.80
		For Work In Restricted Working Space, Add	*1.70*	
22 07 19 00-0339	LF	2-7/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.78	2.85
		For Work In Restricted Working Space, Add	*1.71*	
22 07 19 00-0340	LF	3-1/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.91	2.85
		For Work In Restricted Working Space, Add	*1.72*	
22 07 19 00-0341	LF	3-5/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.19	2.89
		For Work In Restricted Working Space, Add	*1.73*	
22 07 19 00-0342	LF	4-1/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.53	2.93
		For Work In Restricted Working Space, Add	*1.76*	
22 07 19 00-0343	LF	4-1/2" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.89	2.95
		For Work In Restricted Working Space, Add	*1.77*	

22 07 19 00-0344 1/2" Wall Flexible Elastomeric Tubing Foam Insulation *(22 07 19 00-0323)*

22 07 19 00-0345	LF	1/4" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	5.74	2.68
		For Work In Restricted Working Space, Add	*1.61*	
22 07 19 00-0346	LF	3/8" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	5.82	2.68
		For Work In Restricted Working Space, Add	*1.62*	
22 07 19 00-0347	LF	1/2" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	5.92	2.72
		For Work In Restricted Working Space, Add	*1.63*	
22 07 19 00-0348	LF	3/4" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.02	2.72
		For Work In Restricted Working Space, Add	*1.64*	
22 07 19 00-0349	LF	1" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.20	2.80
		For Work In Restricted Working Space, Add	*1.68*	
22 07 19 00-0350	LF	1-1/4" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.38	2.85
		For Work In Restricted Working Space, Add	*1.71*	
22 07 19 00-0351	LF	1-1/2" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.62	2.89
		For Work In Restricted Working Space, Add	*1.73*	
22 07 19 00-0352	LF	2" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.92	2.93
		For Work In Restricted Working Space, Add	*1.76*	
22 07 19 00-0353	LF	2-1/2" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.38	3.02
		For Work In Restricted Working Space, Add	*1.81*	
22 07 19 00-0354	LF	3" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.60	3.06
		For Work In Restricted Working Space, Add	*1.84*	
22 07 19 00-0355	LF	3-1/2" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.25	3.10
		For Work In Restricted Working Space, Add	*1.86*	
22 07 19 00-0356	LF	4" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.49	3.14
		For Work In Restricted Working Space, Add	*1.89*	
22 07 19 00-0357	LF	5" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.37	3.19
		For Work In Restricted Working Space, Add	*1.91*	
22 07 19 00-0358	LF	6" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.99	3.27
		For Work In Restricted Working Space, Add	*1.97*	
22 07 19 00-0359	LF	8" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.61	3.36
		For Work In Restricted Working Space, Add	*2.02*	

22 07 19 00-0360 3/4" Wall Flexible Elastomeric Tubing Foam Insulation *(22 07 19 00-0323)*

22 07 19 00-0361	LF	1/4" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.39	2.89
		For Work In Restricted Working Space, Add	*1.73*	
22 07 19 00-0362	LF	3/8" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.52	2.93
		For Work In Restricted Working Space, Add	*1.76*	
22 07 19 00-0363	LF	1/2" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.82	3.02
		For Work In Restricted Working Space, Add	*1.81*	
22 07 19 00-0364	LF	3/4" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.09	3.06
		For Work In Restricted Working Space, Add	*1.84*	
22 07 19 00-0365	LF	1" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.39	3.14
		For Work In Restricted Working Space, Add	*1.89*	
22 07 19 00-0366	LF	1-1/4" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.86	3.19
		For Work In Restricted Working Space, Add	*1.91*	
22 07 19 00-0367	LF	1-1/2" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.14	3.23
		For Work In Restricted Working Space, Add	*1.94*	
22 07 19 00-0368	LF	2" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.44	3.23
		For Work In Restricted Working Space, Add	*1.94*	
22 07 19 00-0369	LF	2-1/2" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.28	3.31
		For Work In Restricted Working Space, Add	*1.99*	
22 07 19 00-0370	LF	3" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.72	3.36
		For Work In Restricted Working Space, Add	*2.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0371	LF	3-1/2" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.36	3.40
		For Work In Restricted Working Space, Add	*2.05*	
22 07 19 00-0372	LF	4" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.67	3.44
		For Work In Restricted Working Space, Add	*2.07*	
22 07 19 00-0373	LF	5" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.02	4.11
		For Work In Restricted Working Space, Add	*1.04*	
22 07 19 00-0374	LF	6" Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.55	3.53
		For Work In Restricted Working Space, Add	*2.12*	
22 07 19 00-0375	LF	8" Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.85	3.62
		For Work In Restricted Working Space, Add	*2.17*	

22 07 19 00-0376 1" Wall Flexible Elastomeric Tubing Foam Insulation *(22 07 19 00-0323)*

22 07 19 00-0377	LF	3/8" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.91	3.23
		For Work In Restricted Working Space, Add	*1.94*	
22 07 19 00-0378	LF	1/2" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.18	3.31
		For Work In Restricted Working Space, Add	*1.99*	
22 07 19 00-0379	LF	3/4" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.59	3.36
		For Work In Restricted Working Space, Add	*2.02*	
22 07 19 00-0380	LF	1" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.08	3.44
		For Work In Restricted Working Space, Add	*2.07*	
22 07 19 00-0381	LF	1-1/4" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.53	3.53
		For Work In Restricted Working Space, Add	*2.12*	
22 07 19 00-0382	LF	1-1/2" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.01	3.53
		For Work In Restricted Working Space, Add	*2.15*	
22 07 19 00-0383	LF	2" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.06	3.62
		For Work In Restricted Working Space, Add	*2.17*	
22 07 19 00-0384	LF	2-1/2" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.39	3.70
		For Work In Restricted Working Space, Add	*2.22*	
22 07 19 00-0385	LF	3" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.03	3.76
		For Work In Restricted Working Space, Add	*2.25*	
22 07 19 00-0386	LF	3-1/2" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.30	3.80
		For Work In Restricted Working Space, Add	*2.27*	
22 07 19 00-0387	LF	4" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.02	3.89
		For Work In Restricted Working Space, Add	*2.33*	
22 07 19 00-0388	LF	5" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.43	3.97
		For Work In Restricted Working Space, Add	*2.38*	
22 07 19 00-0389	LF	6" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.87	4.06
		For Work In Restricted Working Space, Add	*2.43*	

22 07 19 00-0390 Flexible Polyolefin Tubing Closed Cell Foam Insulation *(22 07 19)*

Note: UV stabilized, work temperature (-110 degree F to +210 degree F) 0 water vapor transmission. No additional LF for fittings required.

22 07 19 00-0391 3/8" Wall Flexible Polyolefin Tubing Foam Insulation *(22 07 19 00-0390)*

22 07 19 00-0392	LF	1/8" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	5.19	2.46
		For Work In Restricted Working Space, Add	*1.47*	
22 07 19 00-0393	LF	1/4" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	5.21	2.46
		For Work In Restricted Working Space, Add	*1.47*	
22 07 19 00-0394	LF	3/8" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	5.26	2.46
		For Work In Restricted Working Space, Add	*1.48*	
22 07 19 00-0395	LF	1/2" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	5.44	2.55
		For Work In Restricted Working Space, Add	*1.52*	
22 07 19 00-0396	LF	3/4" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	5.69	2.63
		For Work In Restricted Working Space, Add	*1.58*	
22 07 19 00-0397	LF	1" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	5.82	2.68
		For Work In Restricted Working Space, Add	*1.61*	
22 07 19 00-0398	LF	1-1/4" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.05	2.72
		For Work In Restricted Working Space, Add	*1.63*	
22 07 19 00-0399	LF	1-1/2" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.20	2.72
		For Work In Restricted Working Space, Add	*1.64*	
22 07 19 00-0400	LF	2" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.33	2.80
		For Work In Restricted Working Space, Add	*1.65*	
22 07 19 00-0401	LF	2-1/2" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.86	2.80
		For Work In Restricted Working Space, Add	*1.70*	
22 07 19 00-0402	LF	3" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.32	2.85
		For Work In Restricted Working Space, Add	*1.72*	
22 07 19 00-0403	LF	4" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.49	2.93
		For Work In Restricted Working Space, Add	*1.76*	

22 07 19 00-0404 1/2" Wall Flexible Polyolefin Tubing Foam Insulation *(22 07 19 00-0390)*

22 07 19 00-0405	LF	1/8" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	5.78	2.68
		For Work In Restricted Working Space, Add	*1.61*	
22 07 19 00-0406	LF	1/4" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	5.81	2.68
		For Work In Restricted Working Space, Add	*1.61*	
22 07 19 00-0407	LF	3/8" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	5.86	2.68
		For Work In Restricted Working Space, Add	*1.62*	
22 07 19 00-0408	LF	1/2" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	5.97	2.72
		For Work In Restricted Working Space, Add	*1.63*	
22 07 19 00-0409	LF	3/4" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.10	2.72
		For Work In Restricted Working Space, Add	*1.64*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0410		LF	1" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.28	2.80
			For Work In Restricted Working Space, Add	*1.68*	
22 07 19 00-0411		LF	1-1/4" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.53	2.85
			For Work In Restricted Working Space, Add	*1.71*	
22 07 19 00-0412		LF	1-1/2" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.79	2.89
			For Work In Restricted Working Space, Add	*1.73*	
22 07 19 00-0413		LF	2" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.05	2.93
			For Work In Restricted Working Space, Add	*1.76*	
22 07 19 00-0414		LF	2-1/2" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.62	3.02
			For Work In Restricted Working Space, Add	*1.81*	
22 07 19 00-0415		LF	3" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.11	3.06
			For Work In Restricted Working Space, Add	*1.84*	
22 07 19 00-0416		LF	4" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.05	3.14
			For Work In Restricted Working Space, Add	*1.89*	

22 07 19 00-0417 3/4" Wall Flexible Polyolefin Tubing Foam Insulation *(22 07 19 00-0390)*

22 07 19 00-0418		LF	1/8" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.43	2.89
			For Work In Restricted Working Space, Add	*1.73*	
22 07 19 00-0419		LF	1/4" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.47	2.89
			For Work In Restricted Working Space, Add	*1.73*	
22 07 19 00-0420		LF	3/8" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.65	2.93
			For Work In Restricted Working Space, Add	*1.76*	
22 07 19 00-0421		LF	1/2" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.91	3.02
			For Work In Restricted Working Space, Add	*1.81*	
22 07 19 00-0422		LF	3/4" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.25	3.06
			For Work In Restricted Working Space, Add	*1.84*	
22 07 19 00-0423		LF	1" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.60	3.14
			For Work In Restricted Working Space, Add	*1.89*	
22 07 19 00-0424		LF	1-1/4" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.13	3.19
			For Work In Restricted Working Space, Add	*1.91*	
22 07 19 00-0425		LF	1-1/2" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.49	3.19
			For Work In Restricted Working Space, Add	*1.93*	
22 07 19 00-0426		LF	2" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.88	3.23
			For Work In Restricted Working Space, Add	*1.94*	
22 07 19 00-0427		LF	2-1/2" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.68	3.31
			For Work In Restricted Working Space, Add	*1.99*	
22 07 19 00-0428		LF	3" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.38	3.36
			For Work In Restricted Working Space, Add	*2.02*	
22 07 19 00-0429		LF	4" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.73	3.44
			For Work In Restricted Working Space, Add	*2.07*	

22 07 19 00-0430 1" Wall Flexible Polyolefin Tubing Foam Insulation *(22 07 19 00-0390)*

22 07 19 00-0431		LF	1/8" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.54	3.19
			For Work In Restricted Working Space, Add	*1.91*	
22 07 19 00-0432		LF	1/4" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.57	3.19
			For Work In Restricted Working Space, Add	*1.91*	
22 07 19 00-0433		LF	3/8" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.69	3.23
			For Work In Restricted Working Space, Add	*1.94*	
22 07 19 00-0434		LF	1/2" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.95	3.31
			For Work In Restricted Working Space, Add	*1.99*	
22 07 19 00-0435		LF	3/4" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.43	3.36
			For Work In Restricted Working Space, Add	*2.02*	
22 07 19 00-0436		LF	1" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.87	3.44
			For Work In Restricted Working Space, Add	*2.07*	
22 07 19 00-0437		LF	1-1/4" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.31	3.53
			For Work In Restricted Working Space, Add	*2.12*	
22 07 19 00-0438		LF	1-1/2" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.71	3.53
			For Work In Restricted Working Space, Add	*2.15*	
22 07 19 00-0439		LF	2" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.59	3.62
			For Work In Restricted Working Space, Add	*2.17*	
22 07 19 00-0440		LF	2-1/2" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.79	3.70
			For Work In Restricted Working Space, Add	*2.22*	
22 07 19 00-0441		LF	3" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	12.63	3.76
			For Work In Restricted Working Space, Add	*2.25*	

22 07 19 00-0442 Flexible Elastomeric Unicellular Insulation *(22 07 19)*

Note: 1/2" thick, for refrigeration piping.

22 07 19 00-0443		LF	1/2" Pipe, (5/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	5.86	2.72
			For Work In Restricted Working Space, Add	*1.63*	
			For 3/8" Thick Covering, Deduct	*-0.49*	
			For 3/4" Thick Covering, Add	*0.86*	
			For 1" Thick Covering, Add	*1.66*	
22 07 19 00-0444		LF	3/4" Pipe, (7/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	5.97	2.72
			For Work In Restricted Working Space, Add	*1.64*	
			For 3/8" Thick Covering, Deduct	*-0.51*	
			For 3/4" Thick Covering, Add	*0.92*	
			For 1" Thick Covering, Add	*1.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0445	LF	1" Pipe, (1-1/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	6.14	2.80
		For Work In Restricted Working Space, Add	*1.68*	
		For 3/8" Thick Covering, Deduct	*-0.53*	
		For 3/4" Thick Covering, Add	*0.96*	
		For 1" Thick Covering, Add	*1.84*	
22 07 19 00-0446	LF	1-1/4" Pipe, (1-3/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	6.35	2.85
		For Work In Restricted Working Space, Add	*1.71*	
		For 3/8" Thick Covering, Deduct	*-0.56*	
		For 3/4" Thick Covering, Add	*1.06*	
		For 1" Thick Covering, Add	*2.03*	
22 07 19 00-0447	LF	1-1/2" Pipe, (1-5/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	6.57	2.89
		For Work In Restricted Working Space, Add	*1.73*	
		For 3/8" Thick Covering, Deduct	*-0.60*	
		For 3/4" Thick Covering, Add	*1.17*	
		For 1" Thick Covering, Add	*2.22*	
22 07 19 00-0448	LF	2" Pipe, (2-1/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	6.79	2.93
		For Work In Restricted Working Space, Add	*1.76*	
		For 3/8" Thick Covering, Deduct	*-0.64*	
		For 3/4" Thick Covering, Add	*1.28*	
		For 1" Thick Covering, Add	*2.43*	
22 07 19 00-0449	LF	2-1/2" Pipe, (2-5/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	7.29	3.02
		For Work In Restricted Working Space, Add	*1.81*	
		For 3/8" Thick Covering, Deduct	*-0.74*	
		For 3/4" Thick Covering, Add	*1.55*	
		For 1" Thick Covering, Add	*2.91*	
22 07 19 00-0450	LF	3" Pipe, (3-1/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	7.69	3.06
		For Work In Restricted Working Space, Add	*1.84*	
		For 3/8" Thick Covering, Deduct	*-0.82*	
		For 3/4" Thick Covering, Add	*1.79*	
		For 1" Thick Covering, Add	*3.34*	
22 07 19 00-0451	LF	3-1/2" Pipe, (3-5/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	8.07	3.10
		For Work In Restricted Working Space, Add	*1.86*	
		For 3/8" Thick Covering, Deduct	*-0.90*	
		For 3/4" Thick Covering, Add	*2.02*	
		For 1" Thick Covering, Add	*3.76*	
22 07 19 00-0452	LF	4" Pipe, (4-1/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	8.46	3.14
		For Work In Restricted Working Space, Add	*1.89*	
		For 3/8" Thick Covering, Deduct	*-0.98*	
		For 3/4" Thick Covering, Add	*2.26*	
		For 1" Thick Covering, Add	*4.19*	
22 07 19 00-0453		**Insulation Foam Rubber** *(22 07 19)*		
22 07 19 00-0454		**Covering 4x6 Sheet** *(22 07 19 00-0453)*		
22 07 19 00-0455	SF	1" Thick Foam Rubber Sheet Insulation	15.06	5.83
22 07 19 00-0456		**Insulation Protective Jacketing** *(22 07 19)*		
		Note: Jacketing only and must be added to insulation prices.		
22 07 19 00-0457		**Aluminum Insulation Protective Jacketing With Bands** *(22 07 19 00-0456)*		
22 07 19 00-0458	SF	0.006" Aluminum Insulation Jacket With Bands Fire Retardant	12.24	5.26
22 07 19 00-0459	SF	0.010" Aluminum Insulation Jacket With Bands Fire Retardant	12.41	5.26
22 07 19 00-0460	SF	0.016" Aluminum Insulation Jacket With Bands Fire Retardant	12.57	5.26
22 07 19 00-0461	SF	0.020" Aluminum Insulation Jacket With Bands Fire Retardant	12.72	5.26
22 07 19 00-0462	SF	0.024" Aluminum Insulation Jacket With Bands Fire Retardant	12.86	5.26
22 07 19 00-0463		**Stainless Steel Insulation Protective Jacketing With Bands** *(22 07 19 00-0456)*		
22 07 19 00-0464	SF	0.016" Stainless Steel Insulation Jacket With Bands Fire Retardant	19.17	7.39
22 07 19 00-0465	SF	0.010" Stainless Steel Insulation Jacket With Bands Fire Retardant	15.58	6.15
22 07 19 00-0466		**Polyvinyl Chloride (PVC) Insulation Protective Jacketing** *(22 07 19 00-0456)*		
22 07 19 00-0467		**20 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing** *(22 07 19 00-0466)*		
22 07 19 00-0468	LF	1-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	5.12	1.23
22 07 19 00-0469	LF	2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	5.44	1.27
22 07 19 00-0470	LF	2-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	5.69	1.31
22 07 19 00-0471	LF	3" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	6.01	1.40
22 07 19 00-0472	LF	3-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	6.34	1.44
22 07 19 00-0473	LF	4" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	6.64	1.48
22 07 19 00-0474	LF	4-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	6.97	1.56
22 07 19 00-0475	LF	5" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	7.37	1.64
22 07 19 00-0476	LF	5-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	7.79	1.72
22 07 19 00-0477	LF	6" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	8.27	1.80
22 07 19 00-0478	LF	6-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	8.51	1.89
22 07 19 00-0479	LF	7" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	8.83	1.93
22 07 19 00-0480	LF	7-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	9.22	2.01
22 07 19 00-0481	LF	8" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	9.38	2.03
22 07 19 00-0482	LF	8-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	9.63	2.07
22 07 19 00-0483	LF	9" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	9.87	2.11
22 07 19 00-0484	LF	10" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	10.35	2.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0485	LF	11" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	10.91	2.30
22 07 19 00-0486	LF	12" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	11.48	2.40
22 07 19 00-0487		30 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing *(22 07 19 00-0466)*		
22 07 19 00-0488	LF	2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	5.61	1.27
22 07 19 00-0489	LF	2-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	5.90	1.31
22 07 19 00-0490	LF	3" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	6.27	1.38
22 07 19 00-0491	LF	3-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	6.63	1.44
22 07 19 00-0492	LF	4" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	6.97	1.50
22 07 19 00-0493	LF	4-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	7.34	1.56
22 07 19 00-0494	LF	5" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	7.77	1.64
22 07 19 00-0495	LF	5-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	8.23	1.72
22 07 19 00-0496	LF	6" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	8.75	1.84
22 07 19 00-0497	LF	6-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	9.03	1.86
22 07 19 00-0498	LF	7" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	9.37	1.93
22 07 19 00-0499	LF	7-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	9.82	2.01
22 07 19 00-0500	LF	8" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	10.02	2.03
22 07 19 00-0501	LF	8-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	10.30	2.07
22 07 19 00-0502	LF	9" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	10.59	2.11
22 07 19 00-0503	LF	10" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	11.13	2.19
22 07 19 00-0504	LF	11" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	11.77	2.30
22 07 19 00-0505	LF	12" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	12.41	2.40
22 07 19 00-0506		Polyvinyl Chloride (PVC) Insulation Protective Jacketing For Fittings *(22 07 19 00-0466)*		
22 07 19 00-0507	EA	1-1/2" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing	10.30	2.47
22 07 19 00-0508	EA	2" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing	10.74	2.53
22 07 19 00-0509	EA	2-1/2" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing	11.20	2.61
22 07 19 00-0510	EA	3" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing	11.80	2.73
22 07 19 00-0511	EA	3-1/2" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing	12.63	2.67
22 07 19 00-0512	EA	4" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing	13.34	2.98
22 07 19 00-0513	EA	4-1/2" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing	14.20	3.12
22 07 19 00-0514	EA	5" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing	15.15	3.28
22 07 19 00-0515	EA	5-1/2" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing	16.49	3.44
22 07 19 00-0516	EA	6" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing	19.17	3.65
22 07 19 00-0517	EA	6-1/2" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing	19.57	3.78
22 07 19 00-0518	EA	7" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing	21.47	3.86
22 07 19 00-0519	EA	7-1/2" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing	22.08	3.96
22 07 19 00-0520	EA	8" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing	23.42	4.05
22 07 19 00-0521	EA	8-1/2" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing	24.60	4.11
22 07 19 00-0522	EA	9" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing	27.98	4.27
22 07 19 00-0523	EA	10" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing	29.90	4.43
22 07 19 00-0524	EA	11" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing	32.36	4.62
22 07 19 00-0525	EA	12" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing	37.25	4.82
22 07 19 00-0526	EA	1-1/2" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing	14.70	3.42
22 07 19 00-0527	EA	2" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing	15.25	3.53
22 07 19 00-0528	EA	2-1/2" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing	16.30	3.73
22 07 19 00-0529	EA	3" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing	17.62	4.00
22 07 19 00-0530	EA	3-1/2" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing	19.67	4.33
22 07 19 00-0531	EA	4" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing	20.44	4.49
22 07 19 00-0532	EA	4-1/2" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing	21.89	4.70
22 07 19 00-0533	EA	5" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing	23.31	4.90
22 07 19 00-0534	EA	5-1/2" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing	25.77	5.21
22 07 19 00-0535	EA	6" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing	28.38	5.48
22 07 19 00-0536	EA	6-1/2" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing	30.22	5.56
22 07 19 00-0537	EA	7" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing	36.03	5.77
22 07 19 00-0538	EA	7-1/2" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing	38.46	6.07
22 07 19 00-0539	EA	8" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing	40.55	6.20
22 07 19 00-0540	EA	8-1/2" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing	42.57	6.32
22 07 19 00-0541	EA	9" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing	44.75	6.48
22 07 19 00-0542	EA	10" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing	47.95	6.84
22 07 19 00-0543	EA	11" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing	50.79	6.98
22 07 19 00-0544	EA	12" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing	53.70	7.14

22 10 Plumbing Piping *(22)*

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which do include the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

22 11 Facility Water Distribution *(22 10)*

22 11 16 Domestic Water Piping *(22 11)*

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which do include the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks. See CSI section 23 21 13 00-0000 for black steel piping and fitting.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0001		**Galvanized Steel Pipe Assemblies** *(22 11 16)* Note: (ASTM A-53) Threaded and coupled. Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
22 11 16 00-0002	LF	1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	12.12	2.99
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*3.08*	
		For ASTM 120, Deduct	*-0.33*	
		For Work In Restricted Working Space, Add	*2.98*	
22 11 16 00-0003	LF	3/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	13.03	3.21
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*3.36*	
		For ASTM 120, Deduct	*-0.38*	
		For Work In Restricted Working Space, Add	*3.15*	
22 11 16 00-0004	LF	1" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	13.93	3.52
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*3.60*	
		For ASTM 120, Deduct	*-0.41*	
		For Work In Restricted Working Space, Add	*3.37*	
22 11 16 00-0005	LF	1-1/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	15.41	3.67
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*4.13*	
		For ASTM 120, Deduct	*-0.52*	
		For Work In Restricted Working Space, Add	*3.58*	
22 11 16 00-0006	LF	1-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	16.23	4.34
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*4.38*	
		For ASTM 120, Deduct	*-0.57*	
		For Work In Restricted Working Space, Add	*3.73*	
22 11 16 00-0007	LF	2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	19.03	5.24
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*5.27*	
		For ASTM 120, Deduct	*-0.73*	
		For Work In Restricted Working Space, Add	*4.25*	
22 11 16 00-0008	LF	2-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	24.57	6.21
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*7.31*	
		For ASTM 120, Deduct	*-1.20*	
		For Work In Restricted Working Space, Add	*4.98*	
22 11 16 00-0009	LF	3" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	30.50	8.31
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*9.22*	
		For ASTM 120, Deduct	*-1.56*	
		For Work In Restricted Working Space, Add	*6.03*	
22 11 16 00-0010	LF	4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	37.60	9.72
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*11.99*	
		For ASTM 120, Deduct	*-2.24*	
		For Work In Restricted Working Space, Add	*6.81*	
22 11 16 00-0011	LF	5" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	47.61	12.42
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*15.58*	
		For ASTM 120, Deduct	*-3.03*	
		For Work In Restricted Working Space, Add	*8.23*	
22 11 16 00-0012	LF	6" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	57.78	14.69
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*19.54*	
		For ASTM 120, Deduct	*-3.99*	
		For Work In Restricted Working Space, Add	*9.35*	
22 11 16 00-0013		**Galvanized Steel Pipe And Threaded Fittings** *(22 11 16)* Note: (ASTM A-53) Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.		
22 11 16 00-0014		**Threaded And Coupled, Galvanized Steel Piping** *(22 11 16 00-0013)* Note: ASTM A-53. Includes coupling.		
22 11 16 00-0015	LF	1/2" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	5.96	2.99
		For Schedule 80 Pipe, Add	*1.14*	
		For ASTM 120, Deduct	*-0.21*	
		For Work In Restricted Working Space, Add	*1.36*	
22 11 16 00-0016	LF	3/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	6.57	3.21
		For Schedule 80 Pipe, Add	*1.32*	
		For ASTM 120, Deduct	*-0.26*	
		For Work In Restricted Working Space, Add	*1.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0017	LF	1" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	7.13	3.52
		For Schedule 80 Pipe, Add	*1.43*	
		For ASTM 120, Deduct	*-0.28*	
		For Work In Restricted Working Space, Add	*1.57*	
22 11 16 00-0018	LF	1-1/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	8.15	3.67
		For Schedule 80 Pipe, Add	*1.81*	
		For ASTM 120, Deduct	*-0.39*	
		For Work In Restricted Working Space, Add	*1.66*	
22 11 16 00-0019	LF	1-1/2" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	9.55	4.34
		For Schedule 80 Pipe, Add	*2.11*	
		For ASTM 120, Deduct	*-0.46*	
		For Work In Restricted Working Space, Add	*1.95*	
22 11 16 00-0020	LF	2" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	11.96	5.24
		For Schedule 80 Pipe, Add	*2.75*	
		For ASTM 120, Deduct	*-0.61*	
		For Work In Restricted Working Space, Add	*2.36*	
22 11 16 00-0021	LF	2-1/2" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	15.85	6.21
		For Schedule 80 Pipe, Add	*4.05*	
		For ASTM 120, Deduct	*-0.97*	
		For Work In Restricted Working Space, Add	*2.81*	
22 11 16 00-0022	LF	3" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	20.95	8.31
		For Schedule 80 Pipe, Add	*5.32*	
		For ASTM 120, Deduct	*-1.27*	
		For Work In Restricted Working Space, Add	*3.74*	
22 11 16 00-0023	LF	4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	26.68	9.72
		For Schedule 80 Pipe, Add	*7.25*	
		For ASTM 120, Deduct	*-1.81*	
		For Work In Restricted Working Space, Add	*4.39*	
22 11 16 00-0024	LF	5" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	34.95	12.42
		For Schedule 80 Pipe, Add	*9.71*	
		For ASTM 120, Deduct	*-2.45*	
		For Work In Restricted Working Space, Add	*5.58*	
22 11 16 00-0025	LF	6" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	43.22	14.69
		For Schedule 80 Pipe, Add	*12.38*	
		For ASTM 120, Deduct	*-3.18*	
		For Work In Restricted Working Space, Add	*6.60*	

22 11 16 00-0026 Galvanized Malleable Iron 90 Degree Elbows *(22 11 16 00-0013)*

22 11 16 00-0027	EA	1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	21.92	13.32
		For 225 LB Rating, Add	*4.04*	
		For 300 LB Rating, Add	*7.90*	
		For ASTM 120, Deduct	*-0.30*	
		For Work In Restricted Working Space, Add	*5.99*	
22 11 16 00-0028	EA	3/4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	24.68	14.89
		For 225 LB Rating, Add	*4.80*	
		For 300 LB Rating, Add	*9.30*	
		For ASTM 120, Deduct	*-0.35*	
		For Work In Restricted Working Space, Add	*6.70*	
22 11 16 00-0029	EA	1", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	29.44	16.61
		For 225 LB Rating, Add	*9.20*	
		For 300 LB Rating, Add	*16.76*	
		For ASTM 120, Deduct	*-0.67*	
		For Work In Restricted Working Space, Add	*7.49*	
22 11 16 00-0030	EA	1-1/4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	35.26	18.86
		For 225 LB Rating, Add	*14.39*	
		For 300 LB Rating, Add	*25.56*	
		For ASTM 120, Deduct	*-1.05*	
		For Work In Restricted Working Space, Add	*8.47*	
22 11 16 00-0031	EA	1-1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	41.08	21.25
		For 225 LB Rating, Add	*18.92*	
		For 300 LB Rating, Add	*33.29*	
		For ASTM 120, Deduct	*-1.38*	
		For Work In Restricted Working Space, Add	*9.56*	
22 11 16 00-0032	EA	2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	53.75	27.02
		For 225 LB Rating, Add	*27.27*	
		For 300 LB Rating, Add	*47.65*	
		For ASTM 120, Deduct	*-2.00*	
		For Work In Restricted Working Space, Add	*12.14*	
22 11 16 00-0033	EA	2-1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	98.35	39.96
		For 225 LB Rating, Add	*78.88*	
		For 300 LB Rating, Add	*134.42*	
		For ASTM 120, Deduct	*-5.77*	
		For Work In Restricted Working Space, Add	*17.96*	
22 11 16 00-0034	EA	3", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	143.42	52.54
		For 225 LB Rating, Add	*132.51*	
		For 300 LB Rating, Add	*224.50*	
		For ASTM 120, Deduct	*-9.70*	
		For Work In Restricted Working Space, Add	*23.63*	
22 11 16 00-0035	EA	4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	197.18	56.85
		For 225 LB Rating, Add	*229.44*	
		For 300 LB Rating, Add	*385.64*	
		For ASTM 120, Deduct	*-16.79*	
		For Work In Restricted Working Space, Add	*25.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0036	EA	5", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	459.38	59.34
		For 225 LB Rating, Add	*759.34*	
		For 300 LB Rating, Add	*1,264.73*	
		For ASTM 120, Deduct	*-55.56*	
		For Work In Restricted Working Space, Add	*26.69*	
22 11 16 00-0037	EA	6", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	460.52	62.04
		For 225 LB Rating, Add	*753.40*	
		For 300 LB Rating, Add	*1,255.11*	
		For ASTM 120, Deduct	*-55.13*	
		For Work In Restricted Working Space, Add	*27.90*	

22 11 16 00-0038 Galvanized Malleable Iron Reducing 90 Degree Elbows *(22 11 16 00-0013)*

22 11 16 00-0039	EA	3/4" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	20.06	10.63
		For ASTM 120, Deduct	*-0.62*	
		For Work In Restricted Working Space, Add	*4.78*	
22 11 16 00-0040	EA	1" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	25.52	13.47
		For ASTM 120, Deduct	*-0.79*	
		For Work In Restricted Working Space, Add	*6.07*	
22 11 16 00-0041	EA	1" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	25.52	13.47
		For ASTM 120, Deduct	*-0.79*	
		For Work In Restricted Working Space, Add	*6.07*	
22 11 16 00-0042	EA	1-1/4" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	37.10	18.86
		For ASTM 120, Deduct	*-1.33*	
		For Work In Restricted Working Space, Add	*8.47*	
22 11 16 00-0043	EA	1-1/4" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	38.27	18.86
		For ASTM 120, Deduct	*-1.50*	
		For Work In Restricted Working Space, Add	*8.47*	
22 11 16 00-0044	EA	1-1/4" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	38.27	18.86
		For ASTM 120, Deduct	*-1.50*	
		For Work In Restricted Working Space, Add	*8.47*	
22 11 16 00-0045	EA	1-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	44.72	21.25
		For ASTM 120, Deduct	*-1.93*	
		For Work In Restricted Working Space, Add	*9.56*	
22 11 16 00-0046	EA	1-1/2" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	44.72	21.25
		For ASTM 120, Deduct	*-1.93*	
		For Work In Restricted Working Space, Add	*9.56*	
22 11 16 00-0047	EA	1-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	44.72	21.25
		For ASTM 120, Deduct	*-1.93*	
		For Work In Restricted Working Space, Add	*9.56*	
22 11 16 00-0048	EA	2" x 1-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	56.02	27.02
		For ASTM 120, Deduct	*-2.34*	
		For Work In Restricted Working Space, Add	*12.14*	
22 11 16 00-0049	EA	2" x 1-1/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	58.24	27.02
		For ASTM 120, Deduct	*-2.67*	
		For Work In Restricted Working Space, Add	*12.14*	
22 11 16 00-0050	EA	2" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	58.24	27.02
		For ASTM 120, Deduct	*-2.67*	
		For Work In Restricted Working Space, Add	*12.14*	
22 11 16 00-0051	EA	2" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	58.24	27.02
		For ASTM 120, Deduct	*-2.67*	
		For Work In Restricted Working Space, Add	*12.14*	
22 11 16 00-0052	EA	2-1/2" x 2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	110.66	39.96
		For ASTM 120, Deduct	*-7.62*	
		For Work In Restricted Working Space, Add	*17.96*	
22 11 16 00-0053	EA	2-1/2" x 1-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	115.71	39.96
		For ASTM 120, Deduct	*-8.38*	
		For Work In Restricted Working Space, Add	*17.96*	
22 11 16 00-0054	EA	3" x 2-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	158.87	52.54
		For ASTM 120, Deduct	*-12.01*	
		For Work In Restricted Working Space, Add	*23.63*	
22 11 16 00-0055	EA	3" x 2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	158.87	52.54
		For ASTM 120, Deduct	*-12.01*	
		For Work In Restricted Working Space, Add	*23.63*	
22 11 16 00-0056	EA	4" x 3", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	240.52	56.85
		For ASTM 120, Deduct	*-23.29*	
		For Work In Restricted Working Space, Add	*25.58*	

22 11 16 00-0057 Galvanized Malleable Iron 45 Degree Elbow *(22 11 16 00-0013)*

22 11 16 00-0058	EA	1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	23.03	13.32
		For 225 LB Rating, Add	*6.31*	
		For 300 LB Rating, Add	*11.67*	
		For ASTM 120, Deduct	*-0.46*	
		For Work In Restricted Working Space, Add	*5.99*	
22 11 16 00-0059	EA	3/4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	26.71	14.89
		For 225 LB Rating, Add	*8.96*	
		For 300 LB Rating, Add	*16.20*	
		For ASTM 120, Deduct	*-0.66*	
		For Work In Restricted Working Space, Add	*6.70*	
22 11 16 00-0060	EA	1", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	29.94	16.61
		For 225 LB Rating, Add	*10.23*	
		For 300 LB Rating, Add	*18.46*	
		For ASTM 120, Deduct	*-0.75*	
		For Work In Restricted Working Space, Add	*7.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0061	EA	1-1/4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	37.41	18.86
		For 225 LB Rating, Add	*18.80*	
		For 300 LB Rating, Add	*32.87*	
		For ASTM 120, Deduct	*-1.38*	
		For Work In Restricted Working Space, Add	*8.47*	
22 11 16 00-0062	EA	1-1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	42.81	21.25
		For 225 LB Rating, Add	*22.47*	
		For 300 LB Rating, Add	*39.18*	
		For ASTM 120, Deduct	*-1.64*	
		For Work In Restricted Working Space, Add	*9.56*	
22 11 16 00-0063	EA	2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	54.61	27.02
		For 225 LB Rating, Add	*29.03*	
		For 300 LB Rating, Add	*50.57*	
		For ASTM 120, Deduct	*-2.12*	
		For Work In Restricted Working Space, Add	*12.14*	
22 11 16 00-0064	EA	2-1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	112.38	39.96
		For 225 LB Rating, Add	*107.65*	
		For 300 LB Rating, Add	*182.13*	
		For ASTM 120, Deduct	*-7.88*	
		For Work In Restricted Working Space, Add	*17.96*	
22 11 16 00-0065	EA	3", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	159.55	52.54
		For 225 LB Rating, Add	*165.58*	
		For 300 LB Rating, Add	*279.34*	
		For ASTM 120, Deduct	*-12.12*	
		For Work In Restricted Working Space, Add	*23.63*	
22 11 16 00-0066	EA	4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	213.24	56.85
		For 225 LB Rating, Add	*262.36*	
		For 300 LB Rating, Add	*440.25*	
		For ASTM 120, Deduct	*-19.20*	
		For Work In Restricted Working Space, Add	*25.58*	
22 11 16 00-0067	EA	5", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	508.26	59.34
		For 225 LB Rating, Add	*859.54*	
		For 300 LB Rating, Add	*1,430.92*	
		For ASTM 120, Deduct	*-62.89*	
		For Work In Restricted Working Space, Add	*26.69*	
22 11 16 00-0068	EA	6", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	540.37	62.04
		For 225 LB Rating, Add	*917.09*	
		For 300 LB Rating, Add	*1,526.60*	
		For ASTM 120, Deduct	*-67.10*	
		For Work In Restricted Working Space, Add	*27.90*	

22 11 16 00-0069 Galvanized Malleable Iron Tees *(22 11 16 00-0013)*

22 11 16 00-0070	EA	1/2", 150 LB, Galvanized Malleable Iron Tee	27.35	16.61
		For 225 LB Rating, Add	*4.92*	
		For 300 LB Rating, Add	*9.66*	
		For ASTM 120, Deduct	*-0.36*	
		For Work In Restricted Working Space, Add	*7.49*	
22 11 16 00-0071	EA	3/4", 150 LB, Galvanized Malleable Iron Tee	32.92	19.23
		For 225 LB Rating, Add	*8.47*	
		For 300 LB Rating, Add	*15.77*	
		For ASTM 120, Deduct	*-0.62*	
		For Work In Restricted Working Space, Add	*8.64*	
22 11 16 00-0072	EA	1", 150 LB, Galvanized Malleable Iron Tee	40.79	22.67
		For 225 LB Rating, Add	*13.88*	
		For 300 LB Rating, Add	*25.06*	
		For ASTM 120, Deduct	*-1.02*	
		For Work In Restricted Working Space, Add	*10.21*	
22 11 16 00-0073	EA	1-1/4", 150 LB, Galvanized Malleable Iron Tee	51.10	27.02
		For 225 LB Rating, Add	*21.83*	
		For 300 LB Rating, Add	*38.64*	
		For ASTM 120, Deduct	*-1.60*	
		For Work In Restricted Working Space, Add	*12.14*	
22 11 16 00-0074	EA	1-1/2", 150 LB, Galvanized Malleable Iron Tee	61.58	32.18
		For 225 LB Rating, Add	*27.27*	
		For 300 LB Rating, Add	*48.12*	
		For ASTM 120, Deduct	*-2.00*	
		For Work In Restricted Working Space, Add	*14.48*	
22 11 16 00-0075	EA	2", 150 LB, Galvanized Malleable Iron Tee	79.08	39.96
		For 225 LB Rating, Add	*39.38*	
		For 300 LB Rating, Add	*68.91*	
		For ASTM 120, Deduct	*-2.88*	
		For Work In Restricted Working Space, Add	*17.96*	
22 11 16 00-0076	EA	2-1/2", 150 LB, Galvanized Malleable Iron Tee	124.72	43.40
		For 225 LB Rating, Add	*122.28*	
		For 300 LB Rating, Add	*206.71*	
		For ASTM 120, Deduct	*-8.95*	
		For Work In Restricted Working Space, Add	*19.52*	
22 11 16 00-0077	EA	3", 150 LB, Galvanized Malleable Iron Tee	148.71	52.54
		For 225 LB Rating, Add	*143.36*	
		For 300 LB Rating, Add	*242.49*	
		For ASTM 120, Deduct	*-10.49*	
		For Work In Restricted Working Space, Add	*23.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0078	EA	4", 150 LB, Galvanized Malleable Iron Tee	272.68	71.83
		For 225 LB Rating, Add	*338.21*	
		For 300 LB Rating, Add	*567.39*	
		For ASTM 120, Deduct	*-24.75*	
		For Work In Restricted Working Space, Add	*32.31*	
22 11 16 00-0079	EA	5", 150 LB, Galvanized Malleable Iron Tee	546.50	85.28
		For 225 LB Rating, Add	*858.15*	
		For 300 LB Rating, Add	*1,430.95*	
		For ASTM 120, Deduct	*-62.79*	
		For Work In Restricted Working Space, Add	*38.37*	
22 11 16 00-0080	EA	6", 150 LB, Galvanized Malleable Iron Tee	610.75	97.49
		For 225 LB Rating, Add	*952.43*	
		For 300 LB Rating, Add	*1,588.41*	
		For ASTM 120, Deduct	*-69.69*	
		For Work In Restricted Working Space, Add	*43.85*	

22 11 16 00-0081 Galvanized Malleable Iron Reducing Tee *(22 11 16 00-0013)*

22 11 16 00-0082	EA	1/2", 150 LB, Galvanized Malleable Iron Reducing Tee	30.06	16.61
		For 225 LB Rating, Add	*10.48*	
		For 300 LB Rating, Add	*18.87*	
		For ASTM 120, Deduct	*-0.77*	
		For Work In Restricted Working Space, Add	*7.49*	
22 11 16 00-0083	EA	3/4", 150 LB, Galvanized Malleable Iron Reducing Tee	34.51	19.23
		For 225 LB Rating, Add	*11.73*	
		For 300 LB Rating, Add	*21.18*	
		For ASTM 120, Deduct	*-0.86*	
		For Work In Restricted Working Space, Add	*8.64*	
22 11 16 00-0084	EA	1", 150 LB, Galvanized Malleable Iron Reducing Tee	42.02	22.67
		For 225 LB Rating, Add	*16.40*	
		For 300 LB Rating, Add	*29.24*	
		For ASTM 120, Deduct	*-1.20*	
		For Work In Restricted Working Space, Add	*10.21*	
22 11 16 00-0085	EA	1-1/4", 150 LB, Galvanized Malleable Iron Reducing Tee	52.76	27.02
		For 225 LB Rating, Add	*25.24*	
		For 300 LB Rating, Add	*44.28*	
		For ASTM 120, Deduct	*-1.85*	
		For Work In Restricted Working Space, Add	*12.14*	
22 11 16 00-0086	EA	1-1/2", 150 LB, Galvanized Malleable Iron Reducing Tee	63.61	32.18
		For 225 LB Rating, Add	*31.43*	
		For 300 LB Rating, Add	*55.02*	
		For ASTM 120, Deduct	*-2.30*	
		For Work In Restricted Working Space, Add	*14.48*	
22 11 16 00-0087	EA	2", 150 LB, Galvanized Malleable Iron Reducing Tee	84.68	39.96
		For 225 LB Rating, Add	*50.86*	
		For 300 LB Rating, Add	*87.95*	
		For ASTM 120, Deduct	*-3.72*	
		For Work In Restricted Working Space, Add	*17.96*	
22 11 16 00-0088	EA	2-1/2", 150 LB, Galvanized Malleable Iron Reducing Tee	132.63	43.55
		For 225 LB Rating, Add	*138.07*	
		For 300 LB Rating, Add	*232.91*	
		For ASTM 120, Deduct	*-10.10*	
		For Work In Restricted Working Space, Add	*19.58*	
22 11 16 00-0089	EA	3", 150 LB, Galvanized Malleable Iron Reducing Tee	171.44	53.36
		For 225 LB Rating, Add	*187.41*	
		For 300 LB Rating, Add	*315.63*	
		For ASTM 120, Deduct	*-13.71*	
		For Work In Restricted Working Space, Add	*24.01*	
22 11 16 00-0090	EA	4", 150 LB, Galvanized Malleable Iron Reducing Tee	290.23	71.83
		For 225 LB Rating, Add	*374.19*	
		For 300 LB Rating, Add	*627.06*	
		For ASTM 120, Deduct	*-27.38*	
		For Work In Restricted Working Space, Add	*32.31*	
22 11 16 00-0091	EA	5", 150 LB, Galvanized Malleable Iron Reducing Tee	208.27	85.28
		For 225 LB Rating, Add	*164.78*	
		For 300 LB Rating, Add	*280.97*	
		For ASTM 120, Deduct	*-12.06*	
		For Work In Restricted Working Space, Add	*38.37*	
22 11 16 00-0092	EA	6", 150 LB, Galvanized Malleable Iron Reducing Tee	645.65	97.49
		For 225 LB Rating, Add	*1,023.98*	
		For 300 LB Rating, Add	*1,707.07*	
		For ASTM 120, Deduct	*-74.93*	
		For Work In Restricted Working Space, Add	*43.85*	

22 11 16 00-0093 Galvanized Malleable Iron Couplings *(22 11 16 00-0013)*

22 11 16 00-0094	EA	1/2", 150 LB, Galvanized Malleable Iron Coupling	22.78	13.32
		For 225 LB Rating, Add	*5.80*	
		For 300 LB Rating, Add	*10.82*	
		For ASTM 120, Deduct	*-0.42*	
		For Work In Restricted Working Space, Add	*5.99*	
22 11 16 00-0095	EA	3/4", 150 LB, Galvanized Malleable Iron Coupling	25.60	14.89
		For 225 LB Rating, Add	*6.68*	
		For 300 LB Rating, Add	*12.42*	
		For ASTM 120, Deduct	*-0.49*	
		For Work In Restricted Working Space, Add	*6.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0096	EA	1", 150 LB, Galvanized Malleable Iron Coupling	30.37	16.61
		For 225 LB Rating, Add	*11.11*	
		For 300 LB Rating, Add	*19.93*	
		For ASTM 120, Deduct	*-0.81*	
		For Work In Restricted Working Space, Add	*7.49*	
22 11 16 00-0097	EA	1-1/4", 150 LB, Galvanized Malleable Iron Coupling	35.57	18.86
		For 225 LB Rating, Add	*15.03*	
		For 300 LB Rating, Add	*26.62*	
		For ASTM 120, Deduct	*-1.10*	
		For Work In Restricted Working Space, Add	*8.47*	
22 11 16 00-0098	EA	1-1/2", 150 LB, Galvanized Malleable Iron Coupling	40.35	21.25
		For 225 LB Rating, Add	*17.43*	
		For 300 LB Rating, Add	*30.81*	
		For ASTM 120, Deduct	*-1.28*	
		For Work In Restricted Working Space, Add	*9.56*	
22 11 16 00-0099	EA	2", 150 LB, Galvanized Malleable Iron Coupling	52.89	27.02
		For 225 LB Rating, Add	*25.50*	
		For 300 LB Rating, Add	*44.72*	
		For ASTM 120, Deduct	*-1.87*	
		For Work In Restricted Working Space, Add	*12.14*	
22 11 16 00-0100	EA	2-1/2", 150 LB, Galvanized Malleable Iron Coupling	95.08	39.96
		For 225 LB Rating, Add	*72.18*	
		For 300 LB Rating, Add	*123.31*	
		For ASTM 120, Deduct	*-5.28*	
		For Work In Restricted Working Space, Add	*17.96*	
22 11 16 00-0101	EA	3", 150 LB, Galvanized Malleable Iron Coupling	126.74	52.54
		For 225 LB Rating, Add	*98.32*	
		For 300 LB Rating, Add	*167.79*	
		For ASTM 120, Deduct	*-7.19*	
		For Work In Restricted Working Space, Add	*23.63*	
22 11 16 00-0102	EA	4", 150 LB, Galvanized Malleable Iron Coupling	179.02	56.85
		For 225 LB Rating, Add	*192.21*	
		For 300 LB Rating, Add	*323.90*	
		For ASTM 120, Deduct	*-14.06*	
		For Work In Restricted Working Space, Add	*25.58*	
22 11 16 00-0103	EA	5", 150 LB, Galvanized Malleable Iron Coupling	263.37	59.34
		For 225 LB Rating, Add	*357.52*	
		For 300 LB Rating, Add	*598.30*	
		For ASTM 120, Deduct	*-26.16*	
		For Work In Restricted Working Space, Add	*26.69*	
22 11 16 00-0104	EA	6", 150 LB, Galvanized Malleable Iron Coupling	307.61	62.04
		For 225 LB Rating, Add	*439.93*	
		For 300 LB Rating, Add	*735.22*	
		For ASTM 120, Deduct	*-32.19*	
		For Work In Restricted Working Space, Add	*27.90*	

22 11 16 00-0105 Galvanized Malleable Iron Reducing Couplings *(22 11 16 00-0013)*

22 11 16 00-0106	EA	1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling	22.78	13.32
		For 225 LB Rating, Add	*5.80*	
		For 300 LB Rating, Add	*10.82*	
		For ASTM 120, Deduct	*-0.42*	
		For Work In Restricted Working Space, Add	*5.99*	
22 11 16 00-0107	EA	3/4", 150 LB, Galvanized Malleable Iron Reducing Coupling	25.66	14.89
		For 225 LB Rating, Add	*6.81*	
		For 300 LB Rating, Add	*12.63*	
		For ASTM 120, Deduct	*-0.50*	
		For Work In Restricted Working Space, Add	*6.70*	
22 11 16 00-0108	EA	1", 150 LB, Galvanized Malleable Iron Reducing Coupling	30.12	16.61
		For 225 LB Rating, Add	*10.60*	
		For 300 LB Rating, Add	*19.08*	
		For ASTM 120, Deduct	*-0.78*	
		For Work In Restricted Working Space, Add	*7.49*	
22 11 16 00-0109	EA	1-1/4", 150 LB, Galvanized Malleable Iron Reducing Coupling	35.44	18.86
		For 225 LB Rating, Add	*14.76*	
		For 300 LB Rating, Add	*26.17*	
		For ASTM 120, Deduct	*-1.08*	
		For Work In Restricted Working Space, Add	*8.47*	
22 11 16 00-0110	EA	1-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling	40.47	21.25
		For 225 LB Rating, Add	*17.67*	
		For 300 LB Rating, Add	*31.22*	
		For ASTM 120, Deduct	*-1.29*	
		For Work In Restricted Working Space, Add	*9.56*	
22 11 16 00-0111	EA	2", 150 LB, Galvanized Malleable Iron Reducing Coupling	52.89	27.02
		For 225 LB Rating, Add	*25.50*	
		For 300 LB Rating, Add	*44.72*	
		For ASTM 120, Deduct	*-1.87*	
		For Work In Restricted Working Space, Add	*12.14*	
22 11 16 00-0112	EA	2-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling	96.19	39.96
		For 225 LB Rating, Add	*74.46*	
		For 300 LB Rating, Add	*127.08*	
		For ASTM 120, Deduct	*-5.45*	
		For Work In Restricted Working Space, Add	*17.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0113	EA	3", 150 LB, Galvanized Malleable Iron Reducing Coupling	127.10	52.54
		For 225 LB Rating, Add	*99.06*	
		For 300 LB Rating, Add	*169.01*	
		For ASTM 120, Deduct	*-7.25*	
		For Work In Restricted Working Space, Add	*23.63*	
22 11 16 00-0114	EA	4", 150 LB, Galvanized Malleable Iron Reducing Coupling	189.79	56.85
		For 225 LB Rating, Add	*214.29*	
		For 300 LB Rating, Add	*360.52*	
		For ASTM 120, Deduct	*-15.68*	
		For Work In Restricted Working Space, Add	*25.58*	
22 11 16 00-0115	EA	5", 150 LB, Galvanized Malleable Iron Reducing Coupling	305.66	59.34
		For 225 LB Rating, Add	*444.21*	
		For 300 LB Rating, Add	*742.08*	
		For ASTM 120, Deduct	*-32.50*	
		For Work In Restricted Working Space, Add	*26.69*	
22 11 16 00-0116	EA	6", 150 LB, Galvanized Malleable Iron Reducing Coupling	349.10	62.04
		For 225 LB Rating, Add	*524.98*	
		For 300 LB Rating, Add	*876.29*	
		For ASTM 120, Deduct	*-38.41*	
		For Work In Restricted Working Space, Add	*27.90*	

22 11 16 00-0117 Galvanized Malleable Iron Caps *(22 11 16 00-0013)*

22 11 16 00-0118	EA	1/2", 150 LB, Galvanized Malleable Iron Cap	11.21	6.21
		For 225 LB Rating, Add	*3.79*	
		For 300 LB Rating, Add	*6.85*	
		For ASTM 120, Deduct	*-0.28*	
		For Work In Restricted Working Space, Add	*2.81*	
22 11 16 00-0119	EA	3/4", 150 LB, Galvanized Malleable Iron Cap	13.00	6.66
		For 225 LB Rating, Add	*6.19*	
		For 300 LB Rating, Add	*10.87*	
		For ASTM 120, Deduct	*-0.45*	
		For Work In Restricted Working Space, Add	*2.99*	
22 11 16 00-0120	EA	1", 150 LB, Galvanized Malleable Iron Cap	14.90	7.71
		For 225 LB Rating, Add	*6.95*	
		For 300 LB Rating, Add	*12.22*	
		For ASTM 120, Deduct	*-0.51*	
		For Work In Restricted Working Space, Add	*3.45*	
22 11 16 00-0121	EA	1-1/4", 150 LB, Galvanized Malleable Iron Cap	16.93	8.08
		For 225 LB Rating, Add	*9.96*	
		For 300 LB Rating, Add	*17.25*	
		For ASTM 120, Deduct	*-0.73*	
		For Work In Restricted Working Space, Add	*3.62*	
22 11 16 00-0122	EA	1-1/2", 150 LB, Galvanized Malleable Iron Cap	18.29	8.08
		For 225 LB Rating, Add	*12.75*	
		For 300 LB Rating, Add	*21.87*	
		For ASTM 120, Deduct	*-0.93*	
		For Work In Restricted Working Space, Add	*3.62*	
22 11 16 00-0123	EA	2", 150 LB, Galvanized Malleable Iron Cap	23.92	10.70
		For 225 LB Rating, Add	*16.03*	
		For 300 LB Rating, Add	*27.55*	
		For ASTM 120, Deduct	*-1.17*	
		For Work In Restricted Working Space, Add	*4.83*	
22 11 16 00-0124	EA	2-1/2", 150 LB, Galvanized Malleable Iron Cap	43.59	13.32
		For 225 LB Rating, Add	*48.46*	
		For 300 LB Rating, Add	*81.57*	
		For ASTM 120, Deduct	*-3.55*	
		For Work In Restricted Working Space, Add	*5.99*	
22 11 16 00-0125	EA	3", 150 LB, Galvanized Malleable Iron Cap	51.78	16.09
		For 225 LB Rating, Add	*56.66*	
		For 300 LB Rating, Add	*95.42*	
		For ASTM 120, Deduct	*-4.15*	
		For Work In Restricted Working Space, Add	*7.24*	
22 11 16 00-0126	EA	4", 150 LB, Galvanized Malleable Iron Cap	89.31	19.52
		For 225 LB Rating, Add	*123.16*	
		For 300 LB Rating, Add	*206.03*	
		For ASTM 120, Deduct	*-9.01*	
		For Work In Restricted Working Space, Add	*8.77*	
22 11 16 00-0127	EA	5", 150 LB, Galvanized Malleable Iron Cap	156.03	24.40
		For 225 LB Rating, Add	*244.95*	
		For 300 LB Rating, Add	*408.46*	
		For ASTM 120, Deduct	*-17.92*	
		For Work In Restricted Working Space, Add	*10.96*	
22 11 16 00-0128	EA	6", 150 LB, Galvanized Malleable Iron Cap	250.51	29.01
		For 225 LB Rating, Add	*424.29*	
		For 300 LB Rating, Add	*706.31*	
		For ASTM 120, Deduct	*-31.05*	
		For Work In Restricted Working Space, Add	*13.06*	

22 11 16 00-0129 Galvanized Malleable Iron Unions *(22 11 16 00-0013)*

22 11 16 00-0130	EA	1/2", 150 LB, Galvanized Malleable Iron Union	33.01	16.61
		For 225 LB Rating, Add	*16.52*	
		For 300 LB Rating, Add	*28.90*	
		For Work In Restricted Working Space, Add	*7.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0131	EA	3/4", 150 LB, Galvanized Malleable Iron Union	37.04	19.23
		For 225 LB Rating, Add	*16.91*	
		For 300 LB Rating, Add	*29.78*	
		For Work In Restricted Working Space, Add	*8.64*	
22 11 16 00-0132	EA	1", 150 LB, Galvanized Malleable Iron Union	46.15	22.67
		For 225 LB Rating, Add	*24.87*	
		For 300 LB Rating, Add	*43.28*	
		For Work In Restricted Working Space, Add	*10.21*	
22 11 16 00-0133	EA	1-1/4", 150 LB, Galvanized Malleable Iron Union	57.99	27.02
		For 225 LB Rating, Add	*35.96*	
		For 300 LB Rating, Add	*62.06*	
		For Work In Restricted Working Space, Add	*12.14*	
22 11 16 00-0134	EA	1-1/2", 150 LB, Galvanized Malleable Iron Union	70.01	32.18
		For 225 LB Rating, Add	*44.55*	
		For 300 LB Rating, Add	*76.78*	
		For Work In Restricted Working Space, Add	*14.48*	
22 11 16 00-0135	EA	2", 150 LB, Galvanized Malleable Iron Union	84.80	39.96
		For 225 LB Rating, Add	*51.11*	
		For 300 LB Rating, Add	*88.35*	
		For Work In Restricted Working Space, Add	*17.96*	
22 11 16 00-0136	EA	2-1/2", 150 LB, Galvanized Malleable Iron Union	137.40	43.40
		For 225 LB Rating, Add	*148.28*	
		For 300 LB Rating, Add	*249.83*	
		For Work In Restricted Working Space, Add	*19.52*	
22 11 16 00-0137	EA	3", 150 LB, Galvanized Malleable Iron Union	197.78	52.54
		For 225 LB Rating, Add	*243.95*	
		For 300 LB Rating, Add	*409.33*	
		For Work In Restricted Working Space, Add	*23.63*	

22 11 16 00-0138 Galvanized Steel Nipples *(22 11 16 00-0013)*

Note: ASTM A-53.

22 11 16 00-0139	EA	3/8" x Close, Schedule 40 Galvanized Steel Nipple	11.42	7.11
		For Schedule 80 Nipples, Add	*0.83*	
		For ASTM 120, Deduct	*-0.11*	
		For Work In Restricted Working Space, Add	*3.21*	
22 11 16 00-0140	EA	1/2" x Close, Schedule 40 Galvanized Steel Nipple	11.28	7.11
		For Schedule 80 Nipples, Add	*0.67*	
		For ASTM 120, Deduct	*-0.09*	
		For Work In Restricted Working Space, Add	*3.21*	
22 11 16 00-0141	EA	3/4" x Close, Schedule 40 Galvanized Steel Nipple	11.41	7.11
		For Schedule 80 Nipples, Add	*0.82*	
		For ASTM 120, Deduct	*-0.11*	
		For Work In Restricted Working Space, Add	*3.21*	
22 11 16 00-0142	EA	1" x Close, Schedule 40 Galvanized Steel Nipple	12.49	7.71
		For Schedule 80 Nipples, Add	*1.12*	
		For ASTM 120, Deduct	*-0.15*	
		For Work In Restricted Working Space, Add	*3.45*	
22 11 16 00-0143	EA	1-1/4" x Close, Schedule 40 Galvanized Steel Nipple	13.79	8.31
		For Schedule 80 Nipples, Add	*1.50*	
		For ASTM 120, Deduct	*-0.20*	
		For Work In Restricted Working Space, Add	*3.74*	
22 11 16 00-0144	EA	1-1/2" x Close, Schedule 40 Galvanized Steel Nipple	14.02	8.31
		For Schedule 80 Nipples, Add	*1.77*	
		For ASTM 120, Deduct	*-0.23*	
		For Work In Restricted Working Space, Add	*3.74*	
22 11 16 00-0145	EA	2" x Close, Schedule 40 Galvanized Steel Nipple	18.29	10.70
		For Schedule 80 Nipples, Add	*2.50*	
		For ASTM 120, Deduct	*-0.33*	
		For Work In Restricted Working Space, Add	*4.83*	
22 11 16 00-0146	EA	2-1/2" x Close, Schedule 40 Galvanized Steel Nipple	26.45	13.32
		For Schedule 80 Nipples, Add	*7.41*	
		For ASTM 120, Deduct	*-0.98*	
		For Work In Restricted Working Space, Add	*5.99*	
22 11 16 00-0147	EA	3" x Close, Schedule 40 Galvanized Steel Nipple	31.93	16.09
		For Schedule 80 Nipples, Add	*8.88*	
		For ASTM 120, Deduct	*-1.17*	
		For Work In Restricted Working Space, Add	*7.24*	
22 11 16 00-0148	EA	4" x Close, Schedule 40 Galvanized Steel Nipple	40.91	19.52
		For Schedule 80 Nipples, Add	*13.32*	
		For ASTM 120, Deduct	*-1.75*	
		For Work In Restricted Working Space, Add	*8.77*	
22 11 16 00-0149	EA	3/8" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	11.53	7.11
		For Schedule 80 Nipples, Add	*0.96*	
		For ASTM 120, Deduct	*-0.13*	
		For Work In Restricted Working Space, Add	*3.21*	
22 11 16 00-0150	EA	1/2" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	11.31	7.11
		For Schedule 80 Nipples, Add	*0.71*	
		For ASTM 120, Deduct	*-0.09*	
		For Work In Restricted Working Space, Add	*3.21*	
22 11 16 00-0151	EA	3/4" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	11.47	7.11
		For Schedule 80 Nipples, Add	*0.89*	
		For ASTM 120, Deduct	*-0.12*	
		For Work In Restricted Working Space, Add	*3.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0152	EA	3/8" x 2" Long, Schedule 40 Galvanized Steel Nipple	11.53	7.11
		For Schedule 80 Nipples, Add	*0.96*	
		For ASTM 120, Deduct	*-0.13*	
		For Work In Restricted Working Space, Add	*3.21*	
22 11 16 00-0153	EA	1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple	11.31	7.11
		For Schedule 80 Nipples, Add	*0.71*	
		For ASTM 120, Deduct	*-0.09*	
		For Work In Restricted Working Space, Add	*3.21*	
22 11 16 00-0154	EA	3/4" x 2" Long, Schedule 40 Galvanized Steel Nipple	11.47	7.11
		For Schedule 80 Nipples, Add	*0.89*	
		For ASTM 120, Deduct	*-0.12*	
		For Work In Restricted Working Space, Add	*3.21*	
22 11 16 00-0155	EA	1" x 2" Long, Schedule 40 Galvanized Steel Nipple	12.67	7.71
		For Schedule 80 Nipples, Add	*1.32*	
		For ASTM 120, Deduct	*-0.17*	
		For Work In Restricted Working Space, Add	*3.45*	
22 11 16 00-0156	EA	1-1/4" x 2" Long, Schedule 40 Galvanized Steel Nipple	13.89	8.31
		For Schedule 80 Nipples, Add	*1.62*	
		For ASTM 120, Deduct	*-0.21*	
		For Work In Restricted Working Space, Add	*3.74*	
22 11 16 00-0157	EA	1-1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple	14.13	8.31
		For Schedule 80 Nipples, Add	*1.89*	
		For ASTM 120, Deduct	*-0.25*	
		For Work In Restricted Working Space, Add	*3.74*	
22 11 16 00-0158	EA	3/8" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	11.81	7.11
		For Schedule 80 Nipples, Add	*1.28*	
		For ASTM 120, Deduct	*-0.17*	
		For Work In Restricted Working Space, Add	*3.21*	
22 11 16 00-0159	EA	1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	11.42	7.11
		For Schedule 80 Nipples, Add	*0.83*	
		For ASTM 120, Deduct	*-0.11*	
		For Work In Restricted Working Space, Add	*3.21*	
22 11 16 00-0160	EA	3/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	11.55	7.11
		For Schedule 80 Nipples, Add	*0.98*	
		For ASTM 120, Deduct	*-0.13*	
		For Work In Restricted Working Space, Add	*3.21*	
22 11 16 00-0161	EA	1" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	12.77	7.71
		For Schedule 80 Nipples, Add	*1.44*	
		For ASTM 120, Deduct	*-0.19*	
		For Work In Restricted Working Space, Add	*3.45*	
22 11 16 00-0162	EA	1-1/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	14.03	8.31
		For Schedule 80 Nipples, Add	*1.78*	
		For ASTM 120, Deduct	*-0.23*	
		For Work In Restricted Working Space, Add	*3.74*	
22 11 16 00-0163	EA	1-1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	14.32	8.31
		For Schedule 80 Nipples, Add	*2.11*	
		For ASTM 120, Deduct	*-0.28*	
		For Work In Restricted Working Space, Add	*3.74*	
22 11 16 00-0164	EA	2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	18.56	10.70
		For Schedule 80 Nipples, Add	*2.80*	
		For ASTM 120, Deduct	*-0.37*	
		For Work In Restricted Working Space, Add	*4.83*	
22 11 16 00-0165	EA	3/8" x 3" Long, Schedule 40 Galvanized Steel Nipple	11.81	7.11
		For Schedule 80 Nipples, Add	*1.28*	
		For ASTM 120, Deduct	*-0.17*	
		For Work In Restricted Working Space, Add	*3.21*	
22 11 16 00-0166	EA	1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple	11.42	7.11
		For Schedule 80 Nipples, Add	*0.83*	
		For ASTM 120, Deduct	*-0.11*	
		For Work In Restricted Working Space, Add	*3.21*	
22 11 16 00-0167	EA	3/4" x 3" Long, Schedule 40 Galvanized Steel Nipple	11.55	7.11
		For Schedule 80 Nipples, Add	*0.98*	
		For ASTM 120, Deduct	*-0.13*	
		For Work In Restricted Working Space, Add	*3.21*	
22 11 16 00-0168	EA	1" x 3" Long, Schedule 40 Galvanized Steel Nipple	12.77	7.71
		For Schedule 80 Nipples, Add	*1.44*	
		For ASTM 120, Deduct	*-0.19*	
		For Work In Restricted Working Space, Add	*3.45*	
22 11 16 00-0169	EA	1-1/4" x 3" Long, Schedule 40 Galvanized Steel Nipple	14.03	8.31
		For Schedule 80 Nipples, Add	*1.78*	
		For ASTM 120, Deduct	*-0.23*	
		For Work In Restricted Working Space, Add	*3.74*	
22 11 16 00-0170	EA	1-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple	14.32	8.31
		For Schedule 80 Nipples, Add	*2.11*	
		For ASTM 120, Deduct	*-0.28*	
		For Work In Restricted Working Space, Add	*3.74*	
22 11 16 00-0171	EA	2" x 3" Long, Schedule 40 Galvanized Steel Nipple	18.56	10.70
		For Schedule 80 Nipples, Add	*2.80*	
		For ASTM 120, Deduct	*-0.37*	
		For Work In Restricted Working Space, Add	*4.83*	
22 11 16 00-0172	EA	2-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple	26.70	13.32
		For Schedule 80 Nipples, Add	*7.70*	
		For ASTM 120, Deduct	*-1.01*	
		For Work In Restricted Working Space, Add	*5.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0173	EA	3" x 3" Long, Schedule 40 Galvanized Steel Nipple	33.01	16.09
		For Schedule 80 Nipples, Add	*10.11*	
		For ASTM 120, Deduct	*-1.33*	
		For Work In Restricted Working Space, Add	*7.24*	
22 11 16 00-0174	EA	3/8" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	12.02	7.11
		For Schedule 80 Nipples, Add	*1.52*	
		For ASTM 120, Deduct	*-0.20*	
		For Work In Restricted Working Space, Add	*3.21*	
22 11 16 00-0175	EA	1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	11.59	7.11
		For Schedule 80 Nipples, Add	*1.03*	
		For ASTM 120, Deduct	*-0.14*	
		For Work In Restricted Working Space, Add	*3.21*	
22 11 16 00-0176	EA	3/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	11.81	7.11
		For Schedule 80 Nipples, Add	*1.28*	
		For ASTM 120, Deduct	*-0.17*	
		For Work In Restricted Working Space, Add	*3.21*	
22 11 16 00-0177	EA	1" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	13.02	7.71
		For Schedule 80 Nipples, Add	*1.72*	
		For ASTM 120, Deduct	*-0.23*	
		For Work In Restricted Working Space, Add	*3.45*	
22 11 16 00-0178	EA	1-1/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	14.32	8.31
		For Schedule 80 Nipples, Add	*2.11*	
		For ASTM 120, Deduct	*-0.28*	
		For Work In Restricted Working Space, Add	*3.74*	
22 11 16 00-0179	EA	1-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	14.81	8.31
		For Schedule 80 Nipples, Add	*2.67*	
		For ASTM 120, Deduct	*-0.35*	
		For Work In Restricted Working Space, Add	*3.74*	
22 11 16 00-0180	EA	2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	19.09	10.70
		For Schedule 80 Nipples, Add	*3.41*	
		For ASTM 120, Deduct	*-0.45*	
		For Work In Restricted Working Space, Add	*4.83*	
22 11 16 00-0181	EA	2-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	27.79	13.32
		For Schedule 80 Nipples, Add	*8.94*	
		For ASTM 120, Deduct	*-1.18*	
		For Work In Restricted Working Space, Add	*5.99*	
22 11 16 00-0182	EA	3" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	34.54	16.09
		For Schedule 80 Nipples, Add	*11.86*	
		For ASTM 120, Deduct	*-1.56*	
		For Work In Restricted Working Space, Add	*7.24*	
22 11 16 00-0183	EA	3/8" x 4" Long, Schedule 40 Galvanized Steel Nipple	12.02	7.11
		For Schedule 80 Nipples, Add	*1.52*	
		For ASTM 120, Deduct	*-0.20*	
		For Work In Restricted Working Space, Add	*3.21*	
22 11 16 00-0184	EA	1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple	11.59	7.11
		For Schedule 80 Nipples, Add	*1.03*	
		For ASTM 120, Deduct	*-0.14*	
		For Work In Restricted Working Space, Add	*3.21*	
22 11 16 00-0185	EA	3/4" x 4" Long, Schedule 40 Galvanized Steel Nipple	12.02	7.11
		For Schedule 80 Nipples, Add	*1.52*	
		For ASTM 120, Deduct	*-0.20*	
		For Work In Restricted Working Space, Add	*3.21*	
22 11 16 00-0186	EA	1" x 4" Long, Schedule 40 Galvanized Steel Nipple	13.02	7.71
		For Schedule 80 Nipples, Add	*1.72*	
		For ASTM 120, Deduct	*-0.23*	
		For Work In Restricted Working Space, Add	*3.45*	
22 11 16 00-0187	EA	1-1/4" x 4" Long, Schedule 40 Galvanized Steel Nipple	14.32	8.31
		For Schedule 80 Nipples, Add	*2.11*	
		For ASTM 120, Deduct	*-0.28*	
		For Work In Restricted Working Space, Add	*3.74*	
22 11 16 00-0188	EA	1-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple	14.81	8.31
		For Schedule 80 Nipples, Add	*2.67*	
		For ASTM 120, Deduct	*-0.35*	
		For Work In Restricted Working Space, Add	*3.74*	
22 11 16 00-0189	EA	2" x 4" Long, Schedule 40 Galvanized Steel Nipple	19.11	10.70
		For Schedule 80 Nipples, Add	*3.43*	
		For ASTM 120, Deduct	*-0.45*	
		For Work In Restricted Working Space, Add	*4.83*	
22 11 16 00-0190	EA	2-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple	27.79	13.32
		For Schedule 80 Nipples, Add	*8.94*	
		For ASTM 120, Deduct	*-1.18*	
		For Work In Restricted Working Space, Add	*5.99*	
22 11 16 00-0191	EA	3" x 4" Long, Schedule 40 Galvanized Steel Nipple	34.54	16.09
		For Schedule 80 Nipples, Add	*11.86*	
		For ASTM 120, Deduct	*-1.56*	
		For Work In Restricted Working Space, Add	*7.24*	
22 11 16 00-0192	EA	4" x 4" Long, Schedule 40 Galvanized Steel Nipple	43.20	19.52
		For Schedule 80 Nipples, Add	*15.93*	
		For ASTM 120, Deduct	*-2.10*	
		For Work In Restricted Working Space, Add	*8.77*	
22 11 16 00-0193	EA	3/8" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	12.52	7.11
		For Schedule 80 Nipples, Add	*2.09*	
		For ASTM 120, Deduct	*-0.27*	
		For Work In Restricted Working Space, Add	*3.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0194	EA	1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	11.78	7.11
		For Schedule 80 Nipples, Add	*1.24*	
		For ASTM 120, Deduct	*-0.16*	
		For Work In Restricted Working Space, Add	*3.21*	
22 11 16 00-0195	EA	3/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	12.02	7.11
		For Schedule 80 Nipples, Add	*1.52*	
		For ASTM 120, Deduct	*-0.20*	
		For Work In Restricted Working Space, Add	*3.21*	
22 11 16 00-0196	EA	1" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	13.36	7.71
		For Schedule 80 Nipples, Add	*2.11*	
		For ASTM 120, Deduct	*-0.28*	
		For Work In Restricted Working Space, Add	*3.45*	
22 11 16 00-0197	EA	1-1/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	14.76	8.31
		For Schedule 80 Nipples, Add	*2.61*	
		For ASTM 120, Deduct	*-0.34*	
		For Work In Restricted Working Space, Add	*3.74*	
22 11 16 00-0198	EA	1-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	15.30	8.31
		For Schedule 80 Nipples, Add	*3.23*	
		For ASTM 120, Deduct	*-0.42*	
		For Work In Restricted Working Space, Add	*3.74*	
22 11 16 00-0199	EA	2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	19.91	10.70
		For Schedule 80 Nipples, Add	*4.34*	
		For ASTM 120, Deduct	*-0.57*	
		For Work In Restricted Working Space, Add	*4.83*	
22 11 16 00-0200	EA	2-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	28.69	13.32
		For Schedule 80 Nipples, Add	*9.96*	
		For ASTM 120, Deduct	*-1.31*	
		For Work In Restricted Working Space, Add	*5.99*	
22 11 16 00-0201	EA	3" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	36.27	16.09
		For Schedule 80 Nipples, Add	*13.83*	
		For ASTM 120, Deduct	*-1.82*	
		For Work In Restricted Working Space, Add	*7.24*	
22 11 16 00-0202	EA	4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	44.89	19.52
		For Schedule 80 Nipples, Add	*17.85*	
		For ASTM 120, Deduct	*-2.35*	
		For Work In Restricted Working Space, Add	*8.77*	
22 11 16 00-0203	EA	3/8" x 5" Long, Schedule 40 Galvanized Steel Nipple	12.52	7.11
		For Schedule 80 Nipples, Add	*2.09*	
		For ASTM 120, Deduct	*-0.27*	
		For Work In Restricted Working Space, Add	*3.21*	
22 11 16 00-0204	EA	1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	11.78	7.11
		For Schedule 80 Nipples, Add	*1.24*	
		For ASTM 120, Deduct	*-0.16*	
		For Work In Restricted Working Space, Add	*3.21*	
22 11 16 00-0205	EA	3/4" x 5" Long, Schedule 40 Galvanized Steel Nipple	12.02	7.11
		For Schedule 80 Nipples, Add	*1.52*	
		For ASTM 120, Deduct	*-0.20*	
		For Work In Restricted Working Space, Add	*3.21*	
22 11 16 00-0206	EA	1" x 5" Long, Schedule 40 Galvanized Steel Nipple	13.36	7.71
		For Schedule 80 Nipples, Add	*2.11*	
		For ASTM 120, Deduct	*-0.28*	
		For Work In Restricted Working Space, Add	*3.45*	
22 11 16 00-0207	EA	1-1/4" x 5" Long, Schedule 40 Galvanized Steel Nipple	14.76	8.31
		For Schedule 80 Nipples, Add	*2.61*	
		For ASTM 120, Deduct	*-0.34*	
		For Work In Restricted Working Space, Add	*3.74*	
22 11 16 00-0208	EA	1-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	15.30	8.31
		For Schedule 80 Nipples, Add	*3.23*	
		For ASTM 120, Deduct	*-0.42*	
		For Work In Restricted Working Space, Add	*3.74*	
22 11 16 00-0209	EA	2" x 5" Long, Schedule 40 Galvanized Steel Nipple	19.91	10.70
		For Schedule 80 Nipples, Add	*4.34*	
		For ASTM 120, Deduct	*-0.57*	
		For Work In Restricted Working Space, Add	*4.83*	
22 11 16 00-0210	EA	2-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	28.69	13.32
		For Schedule 80 Nipples, Add	*9.96*	
		For ASTM 120, Deduct	*-1.31*	
		For Work In Restricted Working Space, Add	*5.99*	
22 11 16 00-0211	EA	3" x 5" Long, Schedule 40 Galvanized Steel Nipple	36.27	16.09
		For Schedule 80 Nipples, Add	*13.83*	
		For ASTM 120, Deduct	*-1.82*	
		For Work In Restricted Working Space, Add	*7.24*	
22 11 16 00-0212	EA	4" x 5" Long, Schedule 40 Galvanized Steel Nipple	44.89	19.52
		For Schedule 80 Nipples, Add	*17.85*	
		For ASTM 120, Deduct	*-2.35*	
		For Work In Restricted Working Space, Add	*8.77*	
22 11 16 00-0213	EA	3/8" x 6" Long, Schedule 40 Galvanized Steel Nipple	12.72	7.11
		For Schedule 80 Nipples, Add	*2.31*	
		For ASTM 120, Deduct	*-0.30*	
		For Work In Restricted Working Space, Add	*3.21*	
22 11 16 00-0214	EA	1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	11.92	7.11
		For Schedule 80 Nipples, Add	*1.40*	
		For ASTM 120, Deduct	*-0.18*	
		For Work In Restricted Working Space, Add	*3.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0215	EA	3/4" x 6" Long, Schedule 40 Galvanized Steel Nipple	12.29	7.11
		For Schedule 80 Nipples, Add	*1.82*	
		For ASTM 120, Deduct	*-0.24*	
		For Work In Restricted Working Space, Add	*3.21*	
22 11 16 00-0216	EA	1" x 6" Long, Schedule 40 Galvanized Steel Nipple	13.61	7.71
		For Schedule 80 Nipples, Add	*2.39*	
		For ASTM 120, Deduct	*-0.32*	
		For Work In Restricted Working Space, Add	*3.45*	
22 11 16 00-0217	EA	1-1/4" x 6" Long, Schedule 40 Galvanized Steel Nipple	15.13	8.31
		For Schedule 80 Nipples, Add	*3.03*	
		For ASTM 120, Deduct	*-0.40*	
		For Work In Restricted Working Space, Add	*3.74*	
22 11 16 00-0218	EA	1-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	15.66	8.31
		For Schedule 80 Nipples, Add	*3.64*	
		For ASTM 120, Deduct	*-0.48*	
		For Work In Restricted Working Space, Add	*3.74*	
22 11 16 00-0219	EA	2" x 6" Long, Schedule 40 Galvanized Steel Nipple	20.53	10.70
		For Schedule 80 Nipples, Add	*5.05*	
		For ASTM 120, Deduct	*-0.66*	
		For Work In Restricted Working Space, Add	*4.83*	
22 11 16 00-0220	EA	2-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	29.55	13.32
		For Schedule 80 Nipples, Add	*10.94*	
		For ASTM 120, Deduct	*-1.44*	
		For Work In Restricted Working Space, Add	*5.99*	
22 11 16 00-0221	EA	3" x 6" Long, Schedule 40 Galvanized Steel Nipple	36.96	16.09
		For Schedule 80 Nipples, Add	*14.61*	
		For ASTM 120, Deduct	*-1.92*	
		For Work In Restricted Working Space, Add	*7.24*	
22 11 16 00-0222	EA	4" x 6" Long, Schedule 40 Galvanized Steel Nipple	46.55	19.52
		For Schedule 80 Nipples, Add	*19.74*	
		For ASTM 120, Deduct	*-2.60*	
		For Work In Restricted Working Space, Add	*8.77*	
22 11 16 00-0223	EA	3/8" x 8" Long, Schedule 40 Galvanized Steel Nipple	18.81	7.11
		For Schedule 80 Nipples, Add	*9.26*	
		For ASTM 120, Deduct	*-1.22*	
		For Work In Restricted Working Space, Add	*3.21*	
22 11 16 00-0224	EA	1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple	12.86	7.11
		For Schedule 80 Nipples, Add	*2.47*	
		For ASTM 120, Deduct	*-0.33*	
		For Work In Restricted Working Space, Add	*3.21*	
22 11 16 00-0225	EA	3/4" x 8" Long, Schedule 40 Galvanized Steel Nipple	13.47	7.11
		For Schedule 80 Nipples, Add	*3.17*	
		For ASTM 120, Deduct	*-0.42*	
		For Work In Restricted Working Space, Add	*3.21*	
22 11 16 00-0226	EA	1" x 8" Long, Schedule 40 Galvanized Steel Nipple	15.03	7.71
		For Schedule 80 Nipples, Add	*4.01*	
		For ASTM 120, Deduct	*-0.53*	
		For Work In Restricted Working Space, Add	*3.45*	
22 11 16 00-0227	EA	1-1/4" x 8" Long, Schedule 40 Galvanized Steel Nipple	16.78	8.31
		For Schedule 80 Nipples, Add	*4.91*	
		For ASTM 120, Deduct	*-0.65*	
		For Work In Restricted Working Space, Add	*3.74*	
22 11 16 00-0228	EA	1-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple	17.42	8.31
		For Schedule 80 Nipples, Add	*5.64*	
		For ASTM 120, Deduct	*-0.74*	
		For Work In Restricted Working Space, Add	*3.74*	
22 11 16 00-0229	EA	2" x 8" Long, Schedule 40 Galvanized Steel Nipple	23.32	10.70
		For Schedule 80 Nipples, Add	*8.23*	
		For ASTM 120, Deduct	*-1.08*	
		For Work In Restricted Working Space, Add	*4.83*	
22 11 16 00-0230	EA	2-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple	32.31	13.32
		For Schedule 80 Nipples, Add	*14.09*	
		For ASTM 120, Deduct	*-1.85*	
		For Work In Restricted Working Space, Add	*5.99*	
22 11 16 00-0231	EA	3" x 8" Long, Schedule 40 Galvanized Steel Nipple	41.42	16.09
		For Schedule 80 Nipples, Add	*19.70*	
		For ASTM 120, Deduct	*-2.59*	
		For Work In Restricted Working Space, Add	*7.24*	
22 11 16 00-0232	EA	4" x 8" Long, Schedule 40 Galvanized Steel Nipple	49.89	19.52
		For Schedule 80 Nipples, Add	*23.55*	
		For ASTM 120, Deduct	*-3.10*	
		For Work In Restricted Working Space, Add	*8.77*	
22 11 16 00-0233	EA	3/8" x 10" Long, Schedule 40 Galvanized Steel Nipple	14.56	7.11
		For Schedule 80 Nipples, Add	*4.41*	
		For ASTM 120, Deduct	*-0.58*	
		For Work In Restricted Working Space, Add	*3.21*	
22 11 16 00-0234	EA	1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	13.27	7.11
		For Schedule 80 Nipples, Add	*2.94*	
		For ASTM 120, Deduct	*-0.39*	
		For Work In Restricted Working Space, Add	*3.21*	
22 11 16 00-0235	EA	3/4" x 10" Long, Schedule 40 Galvanized Steel Nipple	13.77	7.11
		For Schedule 80 Nipples, Add	*3.51*	
		For ASTM 120, Deduct	*-0.46*	
		For Work In Restricted Working Space, Add	*3.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0236	EA	1" x 10" Long, Schedule 40 Galvanized Steel Nipple	15.53	7.71
		For Schedule 80 Nipples, Add	*4.58*	
		For ASTM 120, Deduct	*-0.60*	
		For Work In Restricted Working Space, Add	*3.45*	
22 11 16 00-0237	EA	1-1/4" x 10" Long, Schedule 40 Galvanized Steel Nipple	17.63	8.31
		For Schedule 80 Nipples, Add	*5.88*	
		For ASTM 120, Deduct	*-0.77*	
		For Work In Restricted Working Space, Add	*3.74*	
22 11 16 00-0238	EA	1-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	18.24	8.31
		For Schedule 80 Nipples, Add	*6.58*	
		For ASTM 120, Deduct	*-0.87*	
		For Work In Restricted Working Space, Add	*3.74*	
22 11 16 00-0239	EA	2" x 10" Long, Schedule 40 Galvanized Steel Nipple	24.54	10.70
		For Schedule 80 Nipples, Add	*9.62*	
		For ASTM 120, Deduct	*-1.27*	
		For Work In Restricted Working Space, Add	*4.83*	
22 11 16 00-0240	EA	2-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	34.04	13.32
		For Schedule 80 Nipples, Add	*16.06*	
		For ASTM 120, Deduct	*-2.11*	
		For Work In Restricted Working Space, Add	*5.99*	
22 11 16 00-0241	EA	3" x 10" Long, Schedule 40 Galvanized Steel Nipple	43.85	16.09
		For Schedule 80 Nipples, Add	*22.47*	
		For ASTM 120, Deduct	*-2.96*	
		For Work In Restricted Working Space, Add	*7.24*	
22 11 16 00-0242	EA	4" x 10" Long, Schedule 40 Galvanized Steel Nipple	53.18	19.52
		For Schedule 80 Nipples, Add	*27.30*	
		For ASTM 120, Deduct	*-3.59*	
		For Work In Restricted Working Space, Add	*8.77*	
22 11 16 00-0243	EA	3/8" x 12" Long, Schedule 40 Galvanized Steel Nipple	14.98	7.11
		For Schedule 80 Nipples, Add	*4.89*	
		For ASTM 120, Deduct	*-0.64*	
		For Work In Restricted Working Space, Add	*3.21*	
22 11 16 00-0244	EA	1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple	13.62	7.11
		For Schedule 80 Nipples, Add	*3.34*	
		For ASTM 120, Deduct	*-0.44*	
		For Work In Restricted Working Space, Add	*3.21*	
22 11 16 00-0245	EA	3/4" x 12" Long, Schedule 40 Galvanized Steel Nipple	14.15	7.11
		For Schedule 80 Nipples, Add	*3.94*	
		For ASTM 120, Deduct	*-0.52*	
		For Work In Restricted Working Space, Add	*3.21*	
22 11 16 00-0246	EA	1" x 12" Long, Schedule 40 Galvanized Steel Nipple	16.19	7.71
		For Schedule 80 Nipples, Add	*5.34*	
		For ASTM 120, Deduct	*-0.70*	
		For Work In Restricted Working Space, Add	*3.45*	
22 11 16 00-0247	EA	1-1/4" x 12" Long, Schedule 40 Galvanized Steel Nipple	18.66	8.31
		For Schedule 80 Nipples, Add	*7.06*	
		For ASTM 120, Deduct	*-0.93*	
		For Work In Restricted Working Space, Add	*3.74*	
22 11 16 00-0248	EA	1-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple	19.07	8.31
		For Schedule 80 Nipples, Add	*7.52*	
		For ASTM 120, Deduct	*-0.99*	
		For Work In Restricted Working Space, Add	*3.74*	
22 11 16 00-0249	EA	2" x 12" Long, Schedule 40 Galvanized Steel Nipple	25.79	10.70
		For Schedule 80 Nipples, Add	*11.05*	
		For ASTM 120, Deduct	*-1.45*	
		For Work In Restricted Working Space, Add	*4.83*	
22 11 16 00-0250	EA	2-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple	35.72	13.32
		For Schedule 80 Nipples, Add	*17.98*	
		For ASTM 120, Deduct	*-2.37*	
		For Work In Restricted Working Space, Add	*5.99*	
22 11 16 00-0251	EA	3" x 12" Long, Schedule 40 Galvanized Steel Nipple	46.30	16.09
		For Schedule 80 Nipples, Add	*25.26*	
		For ASTM 120, Deduct	*-3.32*	
		For Work In Restricted Working Space, Add	*7.24*	
22 11 16 00-0252	EA	4" x 12" Long, Schedule 40 Galvanized Steel Nipple	56.49	19.52
		For Schedule 80 Nipples, Add	*31.08*	
		For ASTM 120, Deduct	*-4.09*	
		For Work In Restricted Working Space, Add	*8.77*	

22 11 16 00-0253 Galvanized Malleable Iron Square Head Plugs *(22 11 16 00-0013)*

22 11 16 00-0254	EA	1/2", 150 LB, Galvanized Malleable Iron Square Head Plug	10.98	5.32
		For 225 LB Rating, Add	*6.19*	
		For 300 LB Rating, Add	*10.75*	
		For Work In Restricted Working Space, Add	*2.39*	
22 11 16 00-0255	EA	3/4", 150 LB, Galvanized Malleable Iron Square Head Plug	14.36	5.32
		For 225 LB Rating, Add	*13.12*	
		For 300 LB Rating, Add	*22.24*	
		For Work In Restricted Working Space, Add	*2.39*	
22 11 16 00-0256	EA	1", 150 LB, Galvanized Malleable Iron Square Head Plug	18.41	8.08
		For 225 LB Rating, Add	*13.00*	
		For 300 LB Rating, Add	*22.28*	
		For Work In Restricted Working Space, Add	*3.62*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0257	EA	1-1/4", 150 LB, Galvanized Malleable Iron Square Head Plug	20.01	8.08
		For 225 LB Rating, Add	*16.28*	
		For 300 LB Rating, Add	*27.72*	
		For Work In Restricted Working Space, Add	*3.62*	
22 11 16 00-0258	EA	1-1/2", 150 LB, Galvanized Malleable Iron Square Head Plug	22.47	8.08
		For 225 LB Rating, Add	*21.32*	
		For 300 LB Rating, Add	*36.08*	
		For Work In Restricted Working Space, Add	*3.62*	
22 11 16 00-0259	EA	2", 150 LB, Galvanized Malleable Iron Square Head Plug	31.12	10.70
		For 225 LB Rating, Add	*30.79*	
		For 300 LB Rating, Add	*52.03*	
		For Work In Restricted Working Space, Add	*4.83*	
22 11 16 00-0260	EA	2-1/2", 150 LB, Galvanized Malleable Iron Square Head Plug	41.07	13.32
		For 225 LB Rating, Add	*43.30*	
		For 300 LB Rating, Add	*73.01*	
		For Work In Restricted Working Space, Add	*5.99*	
22 11 16 00-0261	EA	3", 150 LB, Galvanized Malleable Iron Square Head Plug	58.12	16.09
		For 225 LB Rating, Add	*69.66*	
		For 300 LB Rating, Add	*116.98*	
		For Work In Restricted Working Space, Add	*7.24*	
22 11 16 00-0262	EA	4", 150 LB, Galvanized Malleable Iron Square Head Plug	68.81	19.52
		For 225 LB Rating, Add	*81.14*	
		For 300 LB Rating, Add	*136.33*	
		For Work In Restricted Working Space, Add	*8.77*	
22 11 16 00-0263	EA	5", 150 LB, Galvanized Malleable Iron Square Head Plug	107.09	24.40
		For 225 LB Rating, Add	*144.63*	
		For 300 LB Rating, Add	*242.06*	
		For Work In Restricted Working Space, Add	*10.96*	
22 11 16 00-0264	EA	6", 150 LB, Galvanized Malleable Iron Square Head Plug	132.68	29.01
		For 225 LB Rating, Add	*182.74*	
		For 300 LB Rating, Add	*305.69*	
		For Work In Restricted Working Space, Add	*13.06*	

22 11 16 00-0265 125 LB, Galvanized Cast Iron Flanges *(22 11 16 00-0013)*

22 11 16 00-0266	EA	1", 125 LB, Galvanized Cast Iron Flange	105.29	33.82
		For Work In Restricted Working Space, Add	*15.22*	
22 11 16 00-0267	EA	1-1/4", 125 LB, Galvanized Cast Iron Flange	115.11	35.02
		For Work In Restricted Working Space, Add	*15.75*	
22 11 16 00-0268	EA	1-1/2", 125 LB, Galvanized Cast Iron Flange	122.69	38.10
		For Work In Restricted Working Space, Add	*17.14*	
22 11 16 00-0269	EA	2", 125 LB, Galvanized Cast Iron Flange	117.28	39.74
		For Work In Restricted Working Space, Add	*17.89*	
22 11 16 00-0270	EA	2-1/2", 125 LB, Galvanized Cast Iron Flange	136.44	46.02
		For Work In Restricted Working Space, Add	*20.69*	
22 11 16 00-0271	EA	3", 125 LB, Galvanized Cast Iron Flange	169.47	58.37
		For Work In Restricted Working Space, Add	*26.25*	
22 11 16 00-0272	EA	4", 125 LB, Galvanized Cast Iron Flange	228.53	77.97
		For Work In Restricted Working Space, Add	*35.07*	
22 11 16 00-0273	EA	5", 125 LB, Galvanized Cast Iron Flange	272.13	92.81
		For Work In Restricted Working Space, Add	*41.75*	
22 11 16 00-0274	EA	6", 125 LB, Galvanized Cast Iron Flange	321.81	106.62
		For Work In Restricted Working Space, Add	*47.96*	

22 11 16 00-0275 Cut And Thread Existing In-Place Galvanized Steel Pipe *(22 11 16 00-0013)*

Note: For use when connecting pipe to an existing in-place system.

22 11 16 00-0276	EA	1/2", Cut And Thread Existing In Place Galvanized Steel Pipe	24.38	
		For Work In Restricted Working Space, Add	*7.31*	
22 11 16 00-0277	EA	3/4", Cut And Thread Existing In Place Galvanized Steel Pipe	26.83	
		For Work In Restricted Working Space, Add	*8.05*	
22 11 16 00-0278	EA	1", Cut And Thread Existing In Place Galvanized Steel Pipe	29.27	
		For Work In Restricted Working Space, Add	*8.78*	
22 11 16 00-0279	EA	1-1/4", Cut And Thread Existing In Place Galvanized Steel Pipe	31.70	
		For Work In Restricted Working Space, Add	*9.51*	
22 11 16 00-0280	EA	1-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe	33.33	
		For Work In Restricted Working Space, Add	*10.00*	
22 11 16 00-0281	EA	2", Cut And Thread Existing In Place Galvanized Steel Pipe	34.96	
		For Work In Restricted Working Space, Add	*10.49*	
22 11 16 00-0282	EA	2-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe	36.59	
		For Work In Restricted Working Space, Add	*10.98*	
22 11 16 00-0283	EA	3", Cut And Thread Existing In Place Galvanized Steel Pipe	38.21	
		For Work In Restricted Working Space, Add	*11.46*	
22 11 16 00-0284	EA	4", Cut And Thread Existing In Place Galvanized Steel Pipe	39.83	
		For Work In Restricted Working Space, Add	*11.95*	

22 11 16 00-0285 Copper Pipe And Fittings *(22 11 16)*

Note: Excludes hangers. See CSI section 22 11 16 00-0755 for pipe with fittings assembly.

22 11 16 00-0286 Copper Tube/Pipe *(22 11 16 00-0285)*

Note: Pipe based on inside diameter size. Excludes hangers and fittings (couplers, tees, elbows, etc).

22 11 16 00-0287 Hard Drawn Type L Copper Tube/Pipe *(22 11 16 00-0286)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0288	LF	1/4" Hard Drawn Type L Copper Tube/Pipe	3.62	1.83
		For Work In Restricted Working Space, Add	*0.82*	
22 11 16 00-0289	LF	3/8" Hard Drawn Type L Copper Tube/Pipe	4.19	1.90
		For Work In Restricted Working Space, Add	*0.86*	
22 11 16 00-0290	LF	1/2" Hard Drawn Type L Copper Tube/Pipe	4.62	1.98
		For Work In Restricted Working Space, Add	*0.89*	
22 11 16 00-0291	LF	3/4" Hard Drawn Type L Copper Tube/Pipe	5.68	2.10
		For Work In Restricted Working Space, Add	*0.95*	
22 11 16 00-0292	LF	1" Hard Drawn Type L Copper Tube/Pipe	7.17	2.37
		For Work In Restricted Working Space, Add	*1.07*	
22 11 16 00-0293	LF	1-1/4" Hard Drawn Type L Copper Tube/Pipe	10.35	3.52
		For Work In Restricted Working Space, Add	*1.58*	
22 11 16 00-0294	LF	1-1/2" Hard Drawn Type L Copper Tube/Pipe	13.03	3.93
		For Work In Restricted Working Space, Add	*1.76*	
22 11 16 00-0295	LF	2" Hard Drawn Type L Copper Tube/Pipe	22.15	4.84
		For Work In Restricted Working Space, Add	*2.18*	
22 11 16 00-0296	LF	2-1/2" Hard Drawn Type L Copper Tube/Pipe	38.73	6.05
		For Work In Restricted Working Space, Add	*5.45*	
22 11 16 00-0297	LF	3" Hard Drawn Type L Copper Tube/Pipe	45.70	6.71
		For Work In Restricted Working Space, Add	*6.04*	
22 11 16 00-0298	LF	4" Hard Drawn Type L Copper Tube/Pipe	63.67	7.57
		For Work In Restricted Working Space, Add	*6.81*	
22 11 16 00-0299	LF	5" Hard Drawn Type L Copper Tube/Pipe	139.54	8.69
		For Work In Restricted Working Space, Add	*7.82*	
22 11 16 00-0300	LF	6" Hard Drawn Type L Copper Tube/Pipe	169.53	13.48
		For Work In Restricted Working Space, Add	*12.12*	
22 11 16 00-0301	LF	8" Hard Drawn Type L Copper Tube/Pipe	278.38	14.98
		For Work In Restricted Working Space, Add	*13.48*	

22 11 16 00-0302 Hard Drawn Type K Copper Tube/Pipe *(22 11 16 00-0286)*

22 11 16 00-0303	LF	1/4" Hard Drawn Type K Copper Tube/Pipe	3.96	1.96
		For Medical/Oxygen Service Tubing, Add	*0.08*	
		For Work In Restricted Working Space, Add	*0.89*	
22 11 16 00-0304	LF	3/8" Hard Drawn Type K Copper Tube/Pipe	5.18	2.25
		For Medical/Oxygen Service Tubing, Add	*0.14*	
		For Work In Restricted Working Space, Add	*1.01*	
22 11 16 00-0305	LF	1/2" Hard Drawn Type K Copper Tube/Pipe	5.26	2.19
		For Medical/Oxygen Service Tubing, Add	*0.16*	
		For Work In Restricted Working Space, Add	*0.98*	
22 11 16 00-0306	LF	3/4" Hard Drawn Type K Copper Tube/Pipe	7.36	2.54
		For Medical/Oxygen Service Tubing, Add	*0.28*	
		For Work In Restricted Working Space, Add	*1.14*	
22 11 16 00-0307	LF	1" Hard Drawn Type K Copper Tube/Pipe	8.69	2.70
		For Medical/Oxygen Service Tubing, Add	*0.37*	
		For Work In Restricted Working Space, Add	*1.22*	
22 11 16 00-0308	LF	1-1/4" Hard Drawn Type K Copper Tube/Pipe	8.25	3.83
		For Medical/Oxygen Service Tubing, Add	*0.20*	
		For Work In Restricted Working Space, Add	*1.72*	
22 11 16 00-0309	LF	1-1/2" Hard Drawn Type K Copper Tube/Pipe	14.98	4.30
		For Medical/Oxygen Service Tubing, Add	*0.68*	
		For Work In Restricted Working Space, Add	*1.94*	
22 11 16 00-0310	LF	2" Hard Drawn Type K Copper Tube/Pipe	25.43	5.28
		For Medical/Oxygen Service Tubing, Add	*1.40*	
		For Work In Restricted Working Space, Add	*2.37*	
22 11 16 00-0311	LF	2-1/2" Hard Drawn Type K Copper Tube/Pipe	44.11	13.21
		For Medical/Oxygen Service Tubing, Add	*1.95*	
		For Work In Restricted Working Space, Add	*5.94*	
22 11 16 00-0312	LF	3" Hard Drawn Type K Copper Tube/Pipe	52.87	14.77
		For Medical/Oxygen Service Tubing, Add	*2.46*	
		For Work In Restricted Working Space, Add	*6.64*	
22 11 16 00-0313	LF	4" Hard Drawn Type K Copper Tube/Pipe	74.67	16.73
		For Medical/Oxygen Service Tubing, Add	*3.97*	
		For Work In Restricted Working Space, Add	*7.53*	
22 11 16 00-0314	LF	5" Hard Drawn Type K Copper Tube/Pipe	173.80	19.75
		For Medical/Oxygen Service Tubing, Add	*11.54*	
		For Work In Restricted Working Space, Add	*8.88*	
22 11 16 00-0315	LF	6" Hard Drawn Type K Copper Tube/Pipe	223.70	31.84
		For Medical/Oxygen Service Tubing, Add	*14.08*	
		For Work In Restricted Working Space, Add	*14.32*	
22 11 16 00-0316	LF	8" Hard Drawn Type K Copper Tube/Pipe	365.91	35.08
		For Medical/Oxygen Service Tubing, Add	*25.06*	
		For Work In Restricted Working Space, Add	*15.78*	

22 11 16 00-0317 Hard Drawn Type M Copper Tube/Pipe *(22 11 16 00-0286)*

22 11 16 00-0318	LF	1/4" Hard Drawn Type M Copper Tube/Pipe	3.14	1.58
		For Work In Restricted Working Space, Add	*0.71*	
22 11 16 00-0319	LF	3/8" Hard Drawn Type M Copper Tube/Pipe	3.25	1.52
		For Work In Restricted Working Space, Add	*0.68*	
22 11 16 00-0320	LF	1/2" Hard Drawn Type M Copper Tube/Pipe	3.52	1.57
		For Work In Restricted Working Space, Add	*0.71*	
22 11 16 00-0321	LF	3/4" Hard Drawn Type M Copper Tube/Pipe	4.32	1.67
		For Work In Restricted Working Space, Add	*0.75*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0322	LF	1" Hard Drawn Type M Copper Tube/Pipe	5.36	1.86
		For Work In Restricted Working Space, Add	*0.84*	
22 11 16 00-0323	LF	1-1/4" Hard Drawn Type M Copper Tube/Pipe	8.21	2.87
		For Work In Restricted Working Space, Add	*1.29*	
22 11 16 00-0324	LF	1-1/2" Hard Drawn Type M Copper Tube/Pipe	10.84	3.29
		For Work In Restricted Working Space, Add	*1.49*	
22 11 16 00-0325	LF	2" Hard Drawn Type M Copper Tube/Pipe	18.54	4.09
		For Work In Restricted Working Space, Add	*1.84*	
22 11 16 00-0326	LF	2-1/2" Hard Drawn Type M Copper Tube/Pipe	33.35	11.01
		For Work In Restricted Working Space, Add	*4.95*	
22 11 16 00-0327	LF	3" Hard Drawn Type M Copper Tube/Pipe	38.74	12.11
		For Work In Restricted Working Space, Add	*5.45*	
22 11 16 00-0328	LF	4" Hard Drawn Type M Copper Tube/Pipe	56.67	14.13
		For Work In Restricted Working Space, Add	*6.35*	
22 11 16 00-0329	LF	5" Hard Drawn Type M Copper Tube/Pipe	123.76	16.31
		For Work In Restricted Working Space, Add	*7.34*	
22 11 16 00-0330	LF	6" Hard Drawn Type M Copper Tube/Pipe	150.79	25.26
		For Work In Restricted Working Space, Add	*11.36*	
22 11 16 00-0331	LF	8" Hard Drawn Type M Copper Tube/Pipe	241.26	27.79
		For Work In Restricted Working Space, Add	*12.50*	

22 11 16 00-0332 Soft Drawn Type L Copper Tube *(22 11 16 00-0286)*

22 11 16 00-0333	LF	1/4" Soft Drawn Type L Copper Tube	3.69	0.20
		For Work In Restricted Working Space, Add	*0.82*	
22 11 16 00-0334	LF	3/8" Soft Drawn Type L Copper Tube	4.34	1.90
		For Work In Restricted Working Space, Add	*0.86*	
22 11 16 00-0335	LF	1/2" Soft Drawn Type L Copper Tube	4.91	1.98
		For Work In Restricted Working Space, Add	*0.89*	
22 11 16 00-0336	LF	5/8" Soft Drawn Type L Copper Tube	5.65	2.04
		For Work In Restricted Working Space, Add	*0.92*	
22 11 16 00-0337	LF	3/4" Soft Drawn Type L Copper Tube	6.11	2.10
		For Work In Restricted Working Space, Add	*0.95*	
22 11 16 00-0338	LF	1" Soft Drawn Type L Copper Tube	7.78	2.37
		For Work In Restricted Working Space, Add	*1.07*	
22 11 16 00-0339	LF	1-1/4" Soft Drawn Type L Copper Tube	11.69	3.52
		For Work In Restricted Working Space, Add	*1.58*	
22 11 16 00-0340	LF	1-1/2" Soft Drawn Type L Copper Tube	14.10	3.93
		For Work In Restricted Working Space, Add	*1.76*	
22 11 16 00-0341	LF	2" Soft Drawn Type L Copper Tube	20.72	4.84
		For Work In Restricted Working Space, Add	*2.18*	

22 11 16 00-0342 Soft Drawn Type K Copper Tube *(22 11 16 00-0286)*

22 11 16 00-0343	LF	1/4" Soft Drawn Type K Copper Tube	3.88	0.20
		For Work In Restricted Working Space, Add	*0.82*	
22 11 16 00-0344	LF	3/8" Soft Drawn Type K Copper Tube	4.90	1.90
		For Work In Restricted Working Space, Add	*0.86*	
22 11 16 00-0345	LF	1/2" Soft Drawn Type K Copper Tube	5.26	1.98
		For Work In Restricted Working Space, Add	*0.89*	
22 11 16 00-0346	LF	5/8" Soft Drawn Type K Copper Tube	6.00	2.04
		For Work In Restricted Working Space, Add	*0.92*	
22 11 16 00-0347	LF	3/4" Soft Drawn Type K Copper Tube	7.20	2.10
		For Work In Restricted Working Space, Add	*0.95*	
22 11 16 00-0348	LF	1" Soft Drawn Type K Copper Tube	8.94	2.37
		For Work In Restricted Working Space, Add	*1.07*	
22 11 16 00-0349	LF	1-1/4" Soft Drawn Type K Copper Tube	12.55	3.52
		For Work In Restricted Working Space, Add	*1.58*	
22 11 16 00-0350	LF	1-1/2" Soft Drawn Type K Copper Tube	15.43	3.93
		For Work In Restricted Working Space, Add	*1.76*	
22 11 16 00-0351	LF	2" Soft Drawn Type K Copper Tube	22.47	4.84
		For Work In Restricted Working Space, Add	*2.18*	
22 11 16 00-0352	LF	2-1/2" Soft Drawn Type K Copper Tube	26.97	5.81
		For Work In Restricted Working Space, Add	*2.61*	
22 11 16 00-0353	LF	3" Soft Drawn Type K Copper Tube	35.81	6.86
		For Work In Restricted Working Space, Add	*3.08*	

22 11 16 00-0354 Copper And Brass Fittings *(22 11 16 00-0285)*

Note: All fittings are based on 95/5 solder.

22 11 16 00-0355 90 Degree Copper And Brass Elbows *(22 11 16 00-0354)*

22 11 16 00-0356	EA	1/4" Or 3/8" 90 Degree Copper Elbow	17.25	10.81
		For Silver Solder Instead Of 95/5 Solder, Add	*2.49*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.68*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.44*	
		For Street Fitting, Add	*0.40*	
		For Work In Restricted Working Space, Add	*4.88*	
22 11 16 00-0357	EA	1/2" 90 Degree Copper Elbow	27.17	17.88
		For Silver Solder Instead Of 95/5 Solder, Add	*4.04*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.70*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.02*	
		For Street Fitting, Add	*0.14*	
		For Work In Restricted Working Space, Add	*8.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0358	EA	3/4" 90 Degree Copper Elbow	34.06	22.27
		For Silver Solder Instead Of 95/5 Solder, Add	*5.04*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.37*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.00*	
		For Street Fitting, Add	*0.29*	
		For Work In Restricted Working Space, Add	*10.00*	
22 11 16 00-0359	EA	1" 90 Degree Copper Elbow	41.66	26.58
		For Silver Solder Instead Of 95/5 Solder, Add	*6.07*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.08*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.98*	
		For Street Fitting, Add	*0.73*	
		For Work In Restricted Working Space, Add	*11.95*	
22 11 16 00-0360	EA	1-1/4" 90 Degree Copper Elbow	45.85	28.77
		For Silver Solder Instead Of 95/5 Solder, Add	*6.60*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.45*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.46*	
		For Street Fitting, Add	*1.10*	
		For Work In Restricted Working Space, Add	*12.93*	
22 11 16 00-0361	EA	1-1/2" 90 Degree Copper Elbow	51.45	31.46
		For Silver Solder Instead Of 95/5 Solder, Add	*7.29*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.93*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.07*	
		For Street Fitting, Add	*1.72*	
		For Work In Restricted Working Space, Add	*14.15*	
22 11 16 00-0362	EA	2" 90 Degree Copper Elbow	60.67	35.28
		For Silver Solder Instead Of 95/5 Solder, Add	*8.32*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.68*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.93*	
		For Street Fitting, Add	*3.13*	
		For Work In Restricted Working Space, Add	*15.86*	
22 11 16 00-0363	EA	2-1/2" 90 Degree Copper Elbow	68.78	35.92
		For Silver Solder Instead Of 95/5 Solder, Add	*8.83*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.13*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.08*	
		For Work In Restricted Working Space, Add	*16.16*	
22 11 16 00-0364	EA	3" 90 Degree Copper Elbow	85.23	42.96
		For Silver Solder Instead Of 95/5 Solder, Add	*10.70*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.48*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.65*	
		For Work In Restricted Working Space, Add	*19.31*	
22 11 16 00-0365	EA	4" 90 Degree Copper Elbow	144.79	60.92
		For Silver Solder Instead Of 95/5 Solder, Add	*16.37*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.80*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.70*	
		For Work In Restricted Working Space, Add	*27.39*	
22 11 16 00-0366	EA	5" 90 Degree Copper Elbow	321.83	83.37
		For Silver Solder Instead Of 95/5 Solder, Add	*28.59*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-22.34*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*18.75*	
		For Work In Restricted Working Space, Add	*37.49*	
22 11 16 00-0367	EA	6" 90 Degree Copper Elbow	456.84	121.31
		For Silver Solder Instead Of 95/5 Solder, Add	*41.03*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-31.93*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*27.28*	
		For Work In Restricted Working Space, Add	*54.56*	
22 11 16 00-0368	EA	8" 90 Degree Copper Elbow	833.52	161.72
		For Silver Solder Instead Of 95/5 Solder, Add	*65.92*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-53.80*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*36.37*	
		For Work In Restricted Working Space, Add	*72.74*	
22 11 16 00-0369	EA	1/2" Drop Ear 90 Degree Brass Elbow	29.15	17.88
		For Silver Solder Instead Of 95/5 Solder, Add	*4.14*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.80*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.02*	
		For Work In Restricted Working Space, Add	*8.05*	
22 11 16 00-0370	EA	3/4" Drop Ear 90 Degree Brass Elbow	35.65	22.27
		For Silver Solder Instead Of 95/5 Solder, Add	*5.12*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.45*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.00*	
		For Work In Restricted Working Space, Add	*10.00*	
22 11 16 00-0371	EA	1" Drop Ear 90 Degree Brass Elbow	46.49	26.58
		For Silver Solder Instead Of 95/5 Solder, Add	*6.31*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.32*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.98*	
		For Work In Restricted Working Space, Add	*11.95*	
22 11 16 00-0372	EA	1/2" Flanged Sink 90 Degree Brass Elbow	28.95	17.88
		For Silver Solder Instead Of 95/5 Solder, Add	*4.13*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.79*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.02*	
		For Work In Restricted Working Space, Add	*8.05*	
22 11 16 00-0373	EA	3/4" Flanged Sink 90 Degree Brass Elbow	37.66	22.27
		For Silver Solder Instead Of 95/5 Solder, Add	*5.22*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.55*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.00*	
		For Work In Restricted Working Space, Add	*10.00*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0374		45 Degree Copper Elbows *(22 11 16 00-0354)*		
22 11 16 00-0375	EA	1/4" Or 3/8" 45 Degree Copper Elbow	17.84	10.81
		For Silver Solder Instead Of 95/5 Solder, Add	*2.52*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.71*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.44*	
		For Street Fitting, Add	*0.63*	
		For Work In Restricted Working Space, Add	*4.88*	
22 11 16 00-0376	EA	1/2" 45 Degree Copper Elbow	27.44	17.88
		For Silver Solder Instead Of 95/5 Solder, Add	*4.06*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.71*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.02*	
		For Street Fitting, Add	*0.24*	
		For Work In Restricted Working Space, Add	*8.05*	
22 11 16 00-0377	EA	3/4" 45 Degree Copper Elbow	34.39	22.27
		For Silver Solder Instead Of 95/5 Solder, Add	*5.05*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.39*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.00*	
		For Street Fitting, Add	*0.42*	
		For Work In Restricted Working Space, Add	*10.00*	
22 11 16 00-0378	EA	1" 45 Degree Copper Elbow	42.51	26.58
		For Silver Solder Instead Of 95/5 Solder, Add	*6.11*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.12*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.98*	
		For Street Fitting, Add	*1.07*	
		For Work In Restricted Working Space, Add	*11.95*	
22 11 16 00-0379	EA	1-1/4" 45 Degree Copper Elbow	46.70	28.77
		For Silver Solder Instead Of 95/5 Solder, Add	*6.64*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.49*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.46*	
		For Street Fitting, Add	*1.44*	
		For Work In Restricted Working Space, Add	*12.93*	
22 11 16 00-0380	EA	1-1/2" 45 Degree Copper Elbow	51.48	31.46
		For Silver Solder Instead Of 95/5 Solder, Add	*7.29*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.93*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.07*	
		For Street Fitting, Add	*1.73*	
		For Work In Restricted Working Space, Add	*14.15*	
22 11 16 00-0381	EA	2" 45 Degree Copper Elbow	60.11	35.28
		For Silver Solder Instead Of 95/5 Solder, Add	*8.29*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.65*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.93*	
		For Work In Restricted Working Space, Add	*15.86*	
22 11 16 00-0382	EA	2-1/2" 45 Degree Copper Elbow	69.34	35.92
		For Silver Solder Instead Of 95/5 Solder, Add	*8.86*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.16*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.08*	
		For Work In Restricted Working Space, Add	*16.16*	
22 11 16 00-0383	EA	3" 45 Degree Copper Elbow	87.28	42.96
		For Silver Solder Instead Of 95/5 Solder, Add	*10.80*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.58*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.65*	
		For Work In Restricted Working Space, Add	*19.31*	
22 11 16 00-0384	EA	4" 45 Degree Copper Elbow	140.16	60.92
		For Silver Solder Instead Of 95/5 Solder, Add	*16.14*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.57*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.70*	
		For Work In Restricted Working Space, Add	*27.39*	
22 11 16 00-0385	EA	5" 45 Degree Copper Elbow	313.83	83.37
		For Silver Solder Instead Of 95/5 Solder, Add	*28.19*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-21.94*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*18.75*	
		For Work In Restricted Working Space, Add	*37.49*	
22 11 16 00-0386	EA	6" 45 Degree Copper Elbow	465.45	121.31
		For Silver Solder Instead Of 95/5 Solder, Add	*41.46*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-32.37*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*27.28*	
		For Work In Restricted Working Space, Add	*54.56*	
22 11 16 00-0387	EA	8" 45 Degree Copper Elbow	772.21	161.72
		For Silver Solder Instead Of 95/5 Solder, Add	*62.86*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-50.73*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*36.37*	
		For Work In Restricted Working Space, Add	*72.74*	
22 11 16 00-0388		Straight Copper And Brass Tees *(22 11 16 00-0354)*		
22 11 16 00-0389	EA	1/4" Straight Copper Tee	21.70	13.01
		For Silver Solder Instead Of 95/5 Solder, Add	*3.04*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.06*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.93*	
		For Work In Restricted Working Space, Add	*5.85*	
22 11 16 00-0390	EA	3/8" Straight Copper Tee	30.95	19.51
		For Silver Solder Instead Of 95/5 Solder, Add	*4.47*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.01*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.39*	
		For Work In Restricted Working Space, Add	*8.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0391	EA	1/2" Straight Copper Tee	41.20	27.15
		For Silver Solder Instead Of 95/5 Solder, Add	*6.12*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.09*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.10*	
		For Work In Restricted Working Space, Add	*12.19*	
22 11 16 00-0392	EA	3/4" Straight Copper Tee	51.77	33.66
		For Silver Solder Instead Of 95/5 Solder, Add	*7.63*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.11*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.56*	
		For Work In Restricted Working Space, Add	*15.12*	
22 11 16 00-0393	EA	1" Straight Copper Tee	64.36	40.16
		For Silver Solder Instead Of 95/5 Solder, Add	*9.23*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.23*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.02*	
		For Work In Restricted Working Space, Add	*18.05*	
22 11 16 00-0394	EA	1-1/4" Straight Copper Tee	71.42	43.41
		For Silver Solder Instead Of 95/5 Solder, Add	*10.08*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.82*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.76*	
		For Work In Restricted Working Space, Add	*19.51*	
22 11 16 00-0395	EA	1-1/2" Straight Copper Tee	79.59	47.15
		For Silver Solder Instead Of 95/5 Solder, Add	*11.05*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.52*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.61*	
		For Work In Restricted Working Space, Add	*21.22*	
22 11 16 00-0396	EA	2" Straight Copper Tee	93.48	53.17
		For Silver Solder Instead Of 95/5 Solder, Add	*12.64*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.66*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.95*	
		For Work In Restricted Working Space, Add	*23.90*	
22 11 16 00-0397	EA	2-1/2" Straight Copper Tee	108.70	53.88
		For Silver Solder Instead Of 95/5 Solder, Add	*13.52*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.48*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.12*	
		For Work In Restricted Working Space, Add	*24.25*	
22 11 16 00-0398	EA	3" Straight Copper Tee	139.81	64.88
		For Silver Solder Instead Of 95/5 Solder, Add	*16.72*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.85*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.59*	
		For Work In Restricted Working Space, Add	*29.18*	
22 11 16 00-0399	EA	4" Straight Copper Tee	238.94	90.85
		For Silver Solder Instead Of 95/5 Solder, Add	*25.57*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-18.76*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*20.43*	
		For Work In Restricted Working Space, Add	*40.86*	
22 11 16 00-0400	EA	5" Straight Copper Tee	506.24	124.30
		For Silver Solder Instead Of 95/5 Solder, Add	*43.95*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-34.63*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*27.95*	
		For Work In Restricted Working Space, Add	*55.91*	
22 11 16 00-0401	EA	6" Straight Copper Tee	710.54	182.23
		For Silver Solder Instead Of 95/5 Solder, Add	*62.84*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-49.18*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*40.97*	
		For Work In Restricted Working Space, Add	*81.95*	
22 11 16 00-0402	EA	8" Straight Copper Tee	1,303.57	242.62
		For Silver Solder Instead Of 95/5 Solder, Add	*101.55*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-83.36*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*54.56*	
		For Work In Restricted Working Space, Add	*109.11*	
22 11 16 00-0403	EA	1/2" Drop Ear Brass Tee	42.71	27.15
		For Silver Solder Instead Of 95/5 Solder, Add	*6.20*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.17*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.10*	
		For Work In Restricted Working Space, Add	*12.19*	

22 11 16 00-0404 Reducing Copper Tees *(22 11 16 00-0354)*

22 11 16 00-0405	EA	3/8" Reducing Copper Tee	29.34	17.32
		For Silver Solder Instead Of 95/5 Solder, Add	*4.07*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.77*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.90*	
		For Work In Restricted Working Space, Add	*7.81*	
22 11 16 00-0406	EA	1/2" Reducing Copper Tee	39.49	24.38
		For Silver Solder Instead Of 95/5 Solder, Add	*5.63*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.80*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.49*	
		For Work In Restricted Working Space, Add	*10.98*	
22 11 16 00-0407	EA	3/4" Reducing Copper Tee	48.47	31.46
		For Silver Solder Instead Of 95/5 Solder, Add	*7.14*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.78*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.07*	
		For Work In Restricted Working Space, Add	*14.15*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0408	EA	1" Reducing Copper Tee	61.10	37.97
		For Silver Solder Instead Of 95/5 Solder, Add	*8.75*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.90*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.54*	
		For Work In Restricted Working Space, Add	*17.07*	
22 11 16 00-0409	EA	1-1/4" Reducing Copper Tee	68.00	41.22
		For Silver Solder Instead Of 95/5 Solder, Add	*9.58*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.49*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.27*	
		For Work In Restricted Working Space, Add	*18.54*	
22 11 16 00-0410	EA	1-1/2" Reducing Copper Tee	74.08	45.03
		For Silver Solder Instead Of 95/5 Solder, Add	*10.45*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.08*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.12*	
		For Work In Restricted Working Space, Add	*20.24*	
22 11 16 00-0411	EA	2" Reducing Copper Tee	86.02	50.40
		For Silver Solder Instead Of 95/5 Solder, Add	*11.86*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.08*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.34*	
		For Work In Restricted Working Space, Add	*22.68*	
22 11 16 00-0412	EA	2-1/2" Reducing Copper Tee	110.31	51.94
		For Silver Solder Instead Of 95/5 Solder, Add	*13.30*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.41*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.67*	
		For Work In Restricted Working Space, Add	*23.35*	
22 11 16 00-0413	EA	3" Reducing Copper Tee	125.57	59.87
		For Silver Solder Instead Of 95/5 Solder, Add	*15.26*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.77*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.47*	
		For Work In Restricted Working Space, Add	*26.94*	

22 11 16 00-0414 Copper Couplings *(22 11 16 00-0354)*

22 11 16 00-0415	EA	1/4" Copper Coupling	13.26	8.70
		For Silver Solder Instead Of 95/5 Solder, Add	*1.96*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.31*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*1.95*	
		For Work In Restricted Working Space, Add	*3.90*	
22 11 16 00-0416	EA	3/8" Copper Coupling	19.83	13.01
		For Silver Solder Instead Of 95/5 Solder, Add	*2.94*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.97*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.93*	
		For Work In Restricted Working Space, Add	*5.85*	
22 11 16 00-0417	EA	1/2" Copper Coupling	27.15	17.88
		For Silver Solder Instead Of 95/5 Solder, Add	*4.04*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.70*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.02*	
		For Work In Restricted Working Space, Add	*8.05*	
22 11 16 00-0418	EA	3/4" Copper Coupling	33.83	22.27
		For Silver Solder Instead Of 95/5 Solder, Add	*5.02*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.36*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.00*	
		For Work In Restricted Working Space, Add	*10.00*	
22 11 16 00-0419	EA	1" Copper Coupling	40.86	26.58
		For Silver Solder Instead Of 95/5 Solder, Add	*6.03*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.04*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.98*	
		For Work In Restricted Working Space, Add	*11.95*	
22 11 16 00-0420	EA	1-1/4" Copper Coupling	44.88	28.77
		For Silver Solder Instead Of 95/5 Solder, Add	*6.55*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.40*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.46*	
		For Work In Restricted Working Space, Add	*12.93*	
22 11 16 00-0421	EA	1-1/2" Copper Coupling	49.51	31.46
		For Silver Solder Instead Of 95/5 Solder, Add	*7.19*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.83*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.07*	
		For Work In Restricted Working Space, Add	*14.15*	
22 11 16 00-0422	EA	2" Copper Coupling	56.77	34.96
		For Silver Solder Instead Of 95/5 Solder, Add	*8.12*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.48*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.93*	
		For Work In Restricted Working Space, Add	*15.86*	
22 11 16 00-0423	EA	2-1/2" Copper Coupling	59.23	33.98
		For Silver Solder Instead Of 95/5 Solder, Add	*8.05*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.51*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.63*	
		For Work In Restricted Working Space, Add	*15.27*	
22 11 16 00-0424	EA	3" Copper Coupling	73.89	41.16
		For Silver Solder Instead Of 95/5 Solder, Add	*9.83*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.76*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.20*	
		For Work In Restricted Working Space, Add	*18.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0425	EA	4" Copper Coupling	107.36	55.38
		For Silver Solder Instead Of 95/5 Solder, Add	*13.60*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.48*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.35*	
		For Work In Restricted Working Space, Add	*24.69*	
22 11 16 00-0426	EA	5" Copper Coupling	170.79	101.03
		For Silver Solder Instead Of 95/5 Solder, Add	*19.76*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-14.15*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*16.84*	
		For Work In Restricted Working Space, Add	*33.68*	
22 11 16 00-0427	EA	6" Copper Coupling	256.30	109.78
		For Silver Solder Instead Of 95/5 Solder, Add	*29.28*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-21.05*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*24.70*	
		For Work In Restricted Working Space, Add	*49.39*	
22 11 16 00-0428	EA	8" Copper Coupling	383.42	145.55
		For Silver Solder Instead Of 95/5 Solder, Add	*41.02*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-30.10*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*32.78*	
		For Work In Restricted Working Space, Add	*65.56*	

22 11 16 00-0429 Reducing Copper Couplings *(22 11 16 00-0354)*

22 11 16 00-0430	EA	3/8" Reducing Copper Coupling	16.99	10.81
		For Silver Solder Instead Of 95/5 Solder, Add	*2.48*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.66*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.44*	
		For Work In Restricted Working Space, Add	*4.88*	
22 11 16 00-0431	EA	1/2" Reducing Copper Coupling	23.77	15.44
		For Silver Solder Instead Of 95/5 Solder, Add	*3.51*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.35*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.48*	
		For Work In Restricted Working Space, Add	*6.95*	
22 11 16 00-0432	EA	3/4" Reducing Copper Coupling	30.99	20.08
		For Silver Solder Instead Of 95/5 Solder, Add	*4.56*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.05*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.51*	
		For Work In Restricted Working Space, Add	*9.02*	
22 11 16 00-0433	EA	1" Reducing Copper Coupling	38.04	24.38
		For Silver Solder Instead Of 95/5 Solder, Add	*5.56*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.73*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.49*	
		For Work In Restricted Working Space, Add	*10.98*	
22 11 16 00-0434	EA	1-1/4" Reducing Copper Coupling	43.97	27.64
		For Silver Solder Instead Of 95/5 Solder, Add	*6.34*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.27*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.22*	
		For Work In Restricted Working Space, Add	*12.44*	
22 11 16 00-0435	EA	1-1/2" Reducing Copper Coupling	48.43	30.08
		For Silver Solder Instead Of 95/5 Solder, Add	*6.93*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.68*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.77*	
		For Work In Restricted Working Space, Add	*13.53*	
22 11 16 00-0436	EA	2" Reducing Copper Coupling	56.21	33.33
		For Silver Solder Instead Of 95/5 Solder, Add	*7.81*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.31*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.50*	
		For Work In Restricted Working Space, Add	*15.00*	
22 11 16 00-0437	EA	2-1/2" Reducing Copper Coupling	63.88	34.20
		For Silver Solder Instead Of 95/5 Solder, Add	*8.32*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.76*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.69*	
		For Work In Restricted Working Space, Add	*15.38*	
22 11 16 00-0438	EA	3" Reducing Copper Coupling	75.26	39.67
		For Silver Solder Instead Of 95/5 Solder, Add	*9.68*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.72*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.87*	
		For Work In Restricted Working Space, Add	*17.74*	
22 11 16 00-0439	EA	4" Reducing Copper Coupling	109.52	51.94
		For Silver Solder Instead Of 95/5 Solder, Add	*13.26*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.37*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.67*	
		For Work In Restricted Working Space, Add	*23.35*	
22 11 16 00-0440	EA	5" Reducing Copper Coupling	175.15	72.36
		For Silver Solder Instead Of 95/5 Solder, Add	*19.61*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-14.18*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*16.28*	
		For Work In Restricted Working Space, Add	*32.55*	
22 11 16 00-0441	EA	6" Reducing Copper Coupling	259.57	97.28
		For Silver Solder Instead Of 95/5 Solder, Add	*27.57*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-20.28*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*21.89*	
		For Work In Restricted Working Space, Add	*43.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0442	EA	8" Reducing Copper Coupling	399.65	141.76
		For Silver Solder Instead Of 95/5 Solder, Add	*41.24*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-30.61*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*31.88*	
		For Work In Restricted Working Space, Add	*63.76*	

22 11 16 00-0443 Male Copper Adapters *(22 11 16 00-0354)*

22 11 16 00-0444	EA	1/4" Male Copper Adapter	18.69	10.57
		For Silver Solder Instead Of 95/5 Solder, Add	*2.56*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.75*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.44*	
		For Work In Restricted Working Space, Add	*4.88*	
22 11 16 00-0445	EA	3/8" Male Copper Adapter	21.22	13.01
		For Silver Solder Instead Of 95/5 Solder, Add	*3.01*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.04*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.93*	
		For Work In Restricted Working Space, Add	*5.85*	
22 11 16 00-0446	EA	1/2" Male Copper Adapter	25.08	16.26
		For Silver Solder Instead Of 95/5 Solder, Add	*3.69*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.47*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.66*	
		For Work In Restricted Working Space, Add	*7.31*	
22 11 16 00-0447	EA	3/4" Male Copper Adapter	31.23	20.33
		For Silver Solder Instead Of 95/5 Solder, Add	*4.57*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.07*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.51*	
		For Work In Restricted Working Space, Add	*9.02*	
22 11 16 00-0448	EA	1" Male Copper Adapter	37.97	23.58
		For Silver Solder Instead Of 95/5 Solder, Add	*5.39*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.65*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.24*	
		For Work In Restricted Working Space, Add	*10.49*	
22 11 16 00-0449	EA	1-1/4" Male Copper Adapter	45.07	26.83
		For Silver Solder Instead Of 95/5 Solder, Add	*6.32*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.29*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.10*	
		For Work In Restricted Working Space, Add	*12.19*	
22 11 16 00-0450	EA	1-1/2" Male Copper Adapter	51.42	30.89
		For Silver Solder Instead Of 95/5 Solder, Add	*7.21*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.89*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.95*	
		For Work In Restricted Working Space, Add	*13.90*	
22 11 16 00-0451	EA	2" Male Copper Adapter	67.96	39.43
		For Silver Solder Instead Of 95/5 Solder, Add	*9.33*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.37*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.90*	
		For Work In Restricted Working Space, Add	*17.81*	
22 11 16 00-0452	EA	2-1/2" Male Copper Adapter	103.90	51.22
		For Silver Solder Instead Of 95/5 Solder, Add	*12.84*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.02*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.46*	
		For Work In Restricted Working Space, Add	*22.93*	

22 11 16 00-0453 Female Copper Adapters *(22 11 16 00-0354)*

22 11 16 00-0454	EA	3/8" Female Copper Adapter	21.81	13.01
		For Silver Solder Instead Of 95/5 Solder, Add	*3.04*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.07*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.93*	
		For Work In Restricted Working Space, Add	*5.85*	
22 11 16 00-0455	EA	1/2" Female Copper Adapter	25.47	16.26
		For Silver Solder Instead Of 95/5 Solder, Add	*3.71*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.49*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.66*	
		For Work In Restricted Working Space, Add	*7.31*	
22 11 16 00-0456	EA	3/4" Female Copper Adapter	31.58	20.33
		For Silver Solder Instead Of 95/5 Solder, Add	*4.59*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.08*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.51*	
		For Work In Restricted Working Space, Add	*9.02*	
22 11 16 00-0457	EA	1" Female Copper Adapter	38.45	23.58
		For Silver Solder Instead Of 95/5 Solder, Add	*5.42*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.67*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.24*	
		For Work In Restricted Working Space, Add	*10.49*	
22 11 16 00-0458	EA	1-1/4" Female Copper Adapter	45.72	26.83
		For Silver Solder Instead Of 95/5 Solder, Add	*6.35*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.32*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.10*	
		For Work In Restricted Working Space, Add	*12.19*	
22 11 16 00-0459	EA	1-1/2" Female Copper Adapter	54.31	30.89
		For Silver Solder Instead Of 95/5 Solder, Add	*7.35*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.03*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.95*	
		For Work In Restricted Working Space, Add	*13.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0460	EA	2" Female Copper Adapter	70.16	39.43
		For Silver Solder Instead Of 95/5 Solder, Add	*9.44*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.48*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.90*	
		For Work In Restricted Working Space, Add	*17.81*	
22 11 16 00-0461	EA	2-1/2" Female Copper Adapter	103.13	47.15
		For Silver Solder Instead Of 95/5 Solder, Add	*12.19*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.67*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.55*	
		For Work In Restricted Working Space, Add	*21.11*	
22 11 16 00-0462	EA	3" Female Copper Adapter	148.94	68.28
		For Silver Solder Instead Of 95/5 Solder, Add	*17.62*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.54*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.27*	
		For Work In Restricted Working Space, Add	*30.53*	
22 11 16 00-0463		**Copper To Copper Unions** *(22 11 16 00-0354)*		
22 11 16 00-0464	EA	1/4" Or 3/8" Copper To Copper Union	28.44	15.69
		For Silver Solder Instead Of 95/5 Solder, Add	*3.78*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.60*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.54*	
		For Work In Restricted Working Space, Add	*7.07*	
22 11 16 00-0465	EA	1/2" Copper To Copper Union	32.58	19.51
		For Silver Solder Instead Of 95/5 Solder, Add	*4.56*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.09*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.39*	
		For Work In Restricted Working Space, Add	*8.78*	
22 11 16 00-0466	EA	3/4" Copper To Copper Union	37.67	22.27
		For Silver Solder Instead Of 95/5 Solder, Add	*5.22*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.55*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.00*	
		For Work In Restricted Working Space, Add	*10.00*	
22 11 16 00-0467	EA	1" Copper To Copper Union	47.40	26.58
		For Silver Solder Instead Of 95/5 Solder, Add	*6.35*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.36*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.98*	
		For Work In Restricted Working Space, Add	*11.95*	
22 11 16 00-0468	EA	1-1/4" Copper To Copper Union	56.17	29.27
		For Silver Solder Instead Of 95/5 Solder, Add	*7.20*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.00*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.59*	
		For Work In Restricted Working Space, Add	*13.17*	
22 11 16 00-0469	EA	1-1/2" Copper To Copper Union	66.54	32.52
		For Silver Solder Instead Of 95/5 Solder, Add	*8.21*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.77*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.32*	
		For Work In Restricted Working Space, Add	*14.63*	
22 11 16 00-0470	EA	2" Copper To Copper Union	88.40	39.02
		For Silver Solder Instead Of 95/5 Solder, Add	*10.27*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.35*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.78*	
		For Work In Restricted Working Space, Add	*17.56*	
22 11 16 00-0471	EA	2-1/2" Copper To Copper Union	142.56	42.96
		For Silver Solder Instead Of 95/5 Solder, Add	*13.56*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.35*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.65*	
		For Work In Restricted Working Space, Add	*19.31*	
22 11 16 00-0472	EA	3" Copper To Copper Union	293.52	60.92
		For Silver Solder Instead Of 95/5 Solder, Add	*23.81*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-19.24*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.70*	
		For Work In Restricted Working Space, Add	*27.39*	
22 11 16 00-0473		**Copper Caps** *(22 11 16 00-0354)*		
22 11 16 00-0474	EA	1/4" Or 3/8" Copper Cap	3.45	2.05
		For Silver Solder Instead Of 95/5 Solder, Add	*0.48*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-0.33*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*0.46*	
		For Work In Restricted Working Space, Add	*0.92*	
22 11 16 00-0475	EA	1/2" Copper Cap	3.69	2.34
		For Silver Solder Instead Of 95/5 Solder, Add	*0.53*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-0.36*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*0.52*	
		For Work In Restricted Working Space, Add	*1.04*	
22 11 16 00-0476	EA	3/4" Copper Cap	4.75	2.92
		For Silver Solder Instead Of 95/5 Solder, Add	*0.67*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-0.45*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*0.65*	
		For Work In Restricted Working Space, Add	*1.30*	
22 11 16 00-0477	EA	1" Copper Cap	6.50	3.70
		For Silver Solder Instead Of 95/5 Solder, Add	*0.87*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-0.60*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*0.82*	
		For Work In Restricted Working Space, Add	*1.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0478	EA	1-1/4" Copper Cap	8.94	5.07
		For Silver Solder Instead Of 95/5 Solder, Add	*1.20*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-0.82*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*1.13*	
		For Work In Restricted Working Space, Add	*2.26*	
22 11 16 00-0479	EA	1-1/2" Copper Cap	10.92	5.97
		For Silver Solder Instead Of 95/5 Solder, Add	*1.43*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-0.99*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*1.33*	
		For Work In Restricted Working Space, Add	*2.65*	
22 11 16 00-0480	EA	2" Copper Cap	23.50	13.29
		For Silver Solder Instead Of 95/5 Solder, Add	*3.14*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.16*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.95*	
		For Work In Restricted Working Space, Add	*5.90*	
22 11 16 00-0481	EA	2-1/2" Copper Cap	42.18	20.21
		For Silver Solder Instead Of 95/5 Solder, Add	*5.10*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.61*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.49*	
		For Work In Restricted Working Space, Add	*8.98*	
22 11 16 00-0482	EA	3" Copper Cap	56.06	26.52
		For Silver Solder Instead Of 95/5 Solder, Add	*6.73*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.77*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.89*	
		For Work In Restricted Working Space, Add	*11.79*	
22 11 16 00-0483	EA	4" Copper Cap	78.42	31.58
		For Silver Solder Instead Of 95/5 Solder, Add	*8.60*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.26*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.02*	
		For Work In Restricted Working Space, Add	*14.03*	
22 11 16 00-0484	EA	6" Copper Cap	222.74	56.13
		For Silver Solder Instead Of 95/5 Solder, Add	*19.45*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-15.29*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.47*	
		For Work In Restricted Working Space, Add	*24.94*	
22 11 16 00-0485	EA	8" Copper Cap	379.37	80.82
		For Silver Solder Instead Of 95/5 Solder, Add	*30.94*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-24.96*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*17.96*	
		For Work In Restricted Working Space, Add	*35.92*	

22 11 16 00-0486 Copper Crosses *(22 11 16 00-0354)*

22 11 16 00-0487	EA	1/2" Copper Cross	63.20	39.96
		For Silver Solder Instead Of 95/5 Solder, Add	*9.15*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.15*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.98*	
		For Work In Restricted Working Space, Add	*17.96*	
22 11 16 00-0488	EA	3/4" Copper Cross	70.06	42.44
		For Silver Solder Instead Of 95/5 Solder, Add	*9.86*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.68*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.54*	
		For Work In Restricted Working Space, Add	*19.08*	
22 11 16 00-0489	EA	1" Copper Cross	85.79	49.92
		For Silver Solder Instead Of 95/5 Solder, Add	*11.77*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.03*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.23*	
		For Work In Restricted Working Space, Add	*22.45*	
22 11 16 00-0490	EA	1-1/4" Copper Cross	95.77	53.88
		For Silver Solder Instead Of 95/5 Solder, Add	*12.87*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.83*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.12*	
		For Work In Restricted Working Space, Add	*24.25*	
22 11 16 00-0491	EA	1-1/2" Copper Cross	116.05	62.41
		For Silver Solder Instead Of 95/5 Solder, Add	*15.16*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.48*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.03*	
		For Work In Restricted Working Space, Add	*28.07*	
22 11 16 00-0492	EA	2" Copper Cross	150.47	72.36
		For Silver Solder Instead Of 95/5 Solder, Add	*18.37*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.95*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*16.28*	
		For Work In Restricted Working Space, Add	*32.55*	
22 11 16 00-0493	EA	2-1/2" Copper Cross	264.98	122.28
		For Silver Solder Instead Of 95/5 Solder, Add	*31.58*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-22.42*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*27.50*	
		For Work In Restricted Working Space, Add	*55.01*	
22 11 16 00-0494	EA	3" Copper Cross	347.47	144.74
		For Silver Solder Instead Of 95/5 Solder, Add	*39.08*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-28.22*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*32.55*	
		For Work In Restricted Working Space, Add	*65.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0495	EA	4" Copper Cross	666.39	169.73
		For Silver Solder Instead Of 95/5 Solder, Add	*58.76*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-46.04*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*38.17*	
		For Work In Restricted Working Space, Add	*76.33*	
22 11 16 00-0496	EA	5" Copper Cross	1,611.18	213.28
		For Silver Solder Instead Of 95/5 Solder, Add	*111.99*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-96.27*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*47.15*	
		For Work In Restricted Working Space, Add	*94.29*	
22 11 16 00-0497	EA	6" Copper Cross	1,793.11	249.58
		For Silver Solder Instead Of 95/5 Solder, Add	*127.07*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-108.36*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*56.13*	
		For Work In Restricted Working Space, Add	*112.25*	

22 11 16 00-0498 Crimped Copper Fittings *(22 11 16 00-0285)*

Note: Viega ProPress type. Includes factory installed ethylene propylene diene monomer (EPDM) sealing elements.

22 11 16 00-0499 Crimped Copper 90 Degree Elbows *(22 11 16 00-0498)*

22 11 16 00-0500	EA	1/2" Crimped Copper 90 Degree Elbow	15.25	9.76
22 11 16 00-0501	EA	3/4" Crimped Copper 90 Degree Elbow	17.71	11.14
22 11 16 00-0502	EA	1" Crimped Copper 90 Degree Elbow	22.02	13.25
22 11 16 00-0503	EA	1-1/4" Crimped Copper 90 Degree Elbow	26.21	14.63
22 11 16 00-0504	EA	1-1/2" Crimped Copper 90 Degree Elbow	32.45	16.26
22 11 16 00-0505	EA	2" Crimped Copper 90 Degree Elbow	40.49	19.51
22 11 16 00-0506	EA	2-1/2" Crimped Copper 90 Degree Elbow	66.73	22.76
22 11 16 00-0507	EA	3" Crimped Copper 90 Degree Elbow	81.65	27.07
22 11 16 00-0508	EA	4" Crimped Copper 90 Degree Elbow	104.38	35.77

22 11 16 00-0509 Crimped Copper 45 Degree Elbows *(22 11 16 00-0498)*

22 11 16 00-0510	EA	1/2" Crimped Copper 45 Degree Elbow	15.35	9.76
22 11 16 00-0511	EA	3/4" Crimped Copper 45 Degree Elbow	17.55	11.14
22 11 16 00-0512	EA	1" Crimped Copper 45 Degree Elbow	22.77	13.25
22 11 16 00-0513	EA	1-1/4" Crimped Copper 45 Degree Elbow	26.05	14.63
22 11 16 00-0514	EA	1-1/2" Crimped Copper 45 Degree Elbow	31.03	16.26
22 11 16 00-0515	EA	2" Crimped Copper 45 Degree Elbow	38.57	19.51
22 11 16 00-0516	EA	2-1/2" Crimped Copper 45 Degree Elbow	55.67	22.76
22 11 16 00-0517	EA	3" Crimped Copper 45 Degree Elbow	71.40	27.07
22 11 16 00-0518	EA	4" Crimped Copper 45 Degree Elbow	96.37	35.77

22 11 16 00-0519 Crimped Copper Straight Tees *(22 11 16 00-0498)*

22 11 16 00-0520	EA	1/2" Crimped Copper Straight Tee	22.90	14.63
22 11 16 00-0521	EA	3/4" Crimped Copper Straight Tee	30.54	19.27
22 11 16 00-0522	EA	1" Crimped Copper Straight Tee	35.14	21.38
22 11 16 00-0523	EA	1-1/4" Crimped Copper Straight Tee	38.03	21.95
22 11 16 00-0524	EA	1-1/2" Crimped Copper Straight Tee	47.33	24.96
22 11 16 00-0525	EA	2" Crimped Copper Straight Tee	56.18	29.27
22 11 16 00-0526	EA	2-1/2" Crimped Copper Straight Tee	91.49	34.14
22 11 16 00-0527	EA	3" Crimped Copper Straight Tee	111.31	40.64
22 11 16 00-0528	EA	4" Crimped Copper Straight Tee	151.11	53.65

22 11 16 00-0529 Crimped Copper Reducing Tees *(22 11 16 00-0498)*

22 11 16 00-0530	EA	3/4" Crimped Copper Reducing Tee	23.48	13.90
22 11 16 00-0531	EA	1" Crimped Copper Reducing Tee	31.99	18.29
22 11 16 00-0532	EA	1-1/4" Crimped Copper Reducing Tee	35.17	20.33
22 11 16 00-0533	EA	1-1/2" Crimped Copper Reducing Tee	40.12	20.89
22 11 16 00-0534	EA	2" Crimped Copper Reducing Tee	46.69	23.66
22 11 16 00-0535	EA	2-1/2" Crimped Copper Reducing Tee	87.94	26.83
22 11 16 00-0536	EA	3" Crimped Copper Reducing Tee	106.69	32.52
22 11 16 00-0537	EA	4" Crimped Copper Reducing Tee	130.93	43.33

22 11 16 00-0538 Crimped Copper Couplings *(22 11 16 00-0498)*

22 11 16 00-0539	EA	1/2" Crimped Copper Coupling	15.19	9.76
22 11 16 00-0540	EA	3/4" Crimped Copper Coupling	17.51	11.14
22 11 16 00-0541	EA	1" Crimped Copper Coupling	21.63	13.25
22 11 16 00-0542	EA	1-1/4" Crimped Copper Coupling	24.08	14.63
22 11 16 00-0543	EA	1-1/2" Crimped Copper Coupling	28.35	16.26
22 11 16 00-0544	EA	2" Crimped Copper Coupling	34.34	19.51
22 11 16 00-0545	EA	2-1/2" Crimped Copper Coupling	50.37	22.76
22 11 16 00-0546	EA	3" Crimped Copper Coupling	61.31	27.07
22 11 16 00-0547	EA	4" Crimped Copper Coupling	82.36	35.77

22 11 16 00-0548 Crimped Copper Reducing Couplings *(22 11 16 00-0498)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0549	EA	3/4" Crimped Copper Reducing Coupling	16.45	9.27
22 11 16 00-0550	EA	1" Crimped Copper Reducing Coupling	18.78	10.57
22 11 16 00-0551	EA	1-1/4" Crimped Copper Reducing Coupling	23.19	12.60
22 11 16 00-0552	EA	1-1/2" Crimped Copper Reducing Coupling	27.14	13.90
22 11 16 00-0553	EA	2" Crimped Copper Reducing Coupling	30.21	15.44
22 11 16 00-0554	EA	2-1/2" Crimped Copper FTG x C Reducing Coupling	46.82	18.45
22 11 16 00-0555	EA	3" Crimped Copper FTG x C Reducing Coupling	56.98	21.71
22 11 16 00-0556	EA	4" Crimped Copper FTG x C Reducing Coupling	74.65	28.69
22 11 16 00-0557		**Crimped Copper Male Adapters** *(22 11 16 00-0498)*		
22 11 16 00-0558	EA	1/2" Crimped Copper Male Adapter	15.31	9.76
22 11 16 00-0559	EA	3/4" Crimped Copper Male Adapter	17.90	11.14
22 11 16 00-0560	EA	1" Crimped Copper Male Adapter	22.19	13.25
22 11 16 00-0561	EA	1-1/4" Crimped Copper Male Adapter	26.94	14.63
22 11 16 00-0562	EA	1-1/2" Crimped Copper Male Adapter	31.38	16.26
22 11 16 00-0563	EA	2" Crimped Copper Male Adapter	42.75	19.51
22 11 16 00-0564	EA	2-1/2" Crimped Copper Male Adapter	66.73	22.76
22 11 16 00-0565	EA	3" Crimped Copper Male Adapter	81.65	27.07
22 11 16 00-0566	EA	4" Crimped Copper Male Adapter	101.12	35.77
22 11 16 00-0567		**Crimped Copper Female Adapters** *(22 11 16 00-0498)*		
22 11 16 00-0568	EA	1/2" Crimped Copper Female Adapter	15.46	9.76
22 11 16 00-0569	EA	3/4" Crimped Copper Female Adapter	18.01	11.14
22 11 16 00-0570	EA	1" Crimped Copper Female Adapter	22.39	13.25
22 11 16 00-0571	EA	1-1/4" Crimped Copper Female Adapter	27.56	14.63
22 11 16 00-0572	EA	1-1/2" Crimped Copper Female Adapter	32.54	16.26
22 11 16 00-0573	EA	2" Crimped Copper Female Adapter	43.12	19.51
22 11 16 00-0574		**Crimped Copper Caps** *(22 11 16 00-0498)*		
22 11 16 00-0575	EA	1/2" Crimped Copper Cap	8.52	4.87
22 11 16 00-0576	EA	3/4" Crimped Copper Cap	10.57	5.69
22 11 16 00-0577	EA	1" Crimped Copper Cap	12.89	6.50
22 11 16 00-0578	EA	1-1/4" Crimped Copper Cap	14.51	7.32
22 11 16 00-0579	EA	1-1/2" Crimped Copper Cap	18.09	8.38
22 11 16 00-0580	EA	2" Crimped Copper Cap	21.30	9.76
22 11 16 00-0581	EA	2-1/2" Crimped Copper Cap	38.39	11.38
22 11 16 00-0582	EA	3" Crimped Copper Cap	47.30	13.57
22 11 16 00-0583	EA	4" Crimped Copper Cap	62.77	17.88
22 11 16 00-0584		**C x F NPT Crimped Bronze Unions** *(22 11 16 00-0498)*		
22 11 16 00-0585	EA	1/2" C x F NPT Crimped Bronze Union	23.43	13.25
22 11 16 00-0586	EA	3/4" C x F NPT Crimped Bronze Union	28.98	16.34
22 11 16 00-0587	EA	1" C x F NPT Crimped Bronze Union	36.85	19.59
22 11 16 00-0588	EA	1-1/4" C x F NPT Crimped Bronze Union	43.46	22.60
22 11 16 00-0589	EA	1-1/2" C x F NPT Crimped Bronze Union	48.07	22.11
22 11 16 00-0590	EA	2" C x F NPT Crimped Bronze Union	67.71	32.03
22 11 16 00-0591		**C x C Crimped Bronze Unions** *(22 11 16 00-0498)*		
22 11 16 00-0592	EA	1/2" C x C Bronze Crimped Union	19.02	9.76
22 11 16 00-0593	EA	3/4" C x C Bronze Crimped Union	22.41	11.14
22 11 16 00-0594	EA	1" C x C Bronze Crimped Union	29.10	13.25
22 11 16 00-0595	EA	1-1/4" C x C Bronze Crimped Union	35.07	14.63
22 11 16 00-0596	EA	1-1/2" C x C Bronze Crimped Union	42.20	16.26
22 11 16 00-0597	EA	2" C x C Bronze Crimped Union	58.38	19.51
22 11 16 00-0598		**C x Flange Crimped Bronze Flange** *(22 11 16 00-0498)*		
22 11 16 00-0599	EA	2-1/2" C x Flange Crimped Bronze Flange	96.46	22.76
22 11 16 00-0600	EA	3" C x Flange Crimped Bronze Flange	107.72	27.07
22 11 16 00-0601	EA	4" C x Flange Crimped Bronze Flange	128.74	35.77
22 11 16 00-0602		**Field Installed FKM Seals** *(22 11 16 00-0498)* Note: For vacuum systems. Includes removing factory installed ethylene propylene diene monomer (EPDM) seal and installing FKM seal.		
22 11 16 00-0603	EA	1/2" Field Installed FKM Seal Note: To be used in conjunction with fittings.	4.00	
22 11 16 00-0604	EA	3/4" Field Installed FKM Seal Note: To be used in conjunction with fittings.	4.81	
22 11 16 00-0605	EA	1" Field Installed FKM Seal Note: To be used in conjunction with fittings.	5.49	
22 11 16 00-0606	EA	1-1/4" Field Installed FKM Seal Note: To be used in conjunction with fittings.	6.24	
22 11 16 00-0607	EA	1-1/2" Field Installed FKM Seal Note: To be used in conjunction with fittings.	7.71	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0608	EA	2" Field Installed FKM Seal Note: To be used in conjunction with fittings.	8.81	
22 11 16 00-0609	EA	2-1/2" Field Installed FKM Seal Note: To be used in conjunction with fittings.	11.38	
22 11 16 00-0610	EA	3" Field Installed FKM Seal Note: To be used in conjunction with fittings.	13.33	
22 11 16 00-0611	EA	4" Field Installed FKM Seal Note: To be used in conjunction with fittings.	17.84	
22 11 16 00-0612		**Cut And Prepare Existing In-Place Copper Pipe** *(22 11 16 00-0285)*		
22 11 16 00-0613	EA	Up To 1/2", Cut And Prepare Existing In Place Copper Pipe	8.12	
22 11 16 00-0614	EA	3/4", Cut And Prepare Existing In Place Copper Pipe	8.78	
22 11 16 00-0615	EA	1", Cut And Prepare Existing In Place Copper Pipe	9.88	
22 11 16 00-0616	EA	1-1/4", Cut And Prepare Existing In Place Copper Pipe	10.37	
22 11 16 00-0617	EA	1-1/2", Cut And Prepare Existing In Place Copper Pipe	10.97	
22 11 16 00-0618	EA	2", Cut And Prepare Existing In Place Copper Pipe	12.07	
22 11 16 00-0619	EA	2-1/2", Cut And Prepare Existing In Place Copper Pipe	13.01	
22 11 16 00-0620	EA	3", Cut And Prepare Existing In Place Copper Pipe	15.36	
22 11 16 00-0621	EA	4", Cut And Prepare Existing In Place Copper Pipe	20.73	
22 11 16 00-0622	EA	6", Cut And Prepare Existing In Place Copper Pipe	29.63	
22 11 16 00-0623	EA	8", Cut And Prepare Existing In Place Copper Pipe	39.51	
22 11 16 00-0624		**Sweat Brass Companion Flanges** *(22 11 16 00-0285)*		
22 11 16 00-0625	EA	1" Sweat Brass Companion Flange	30.15	12.50
22 11 16 00-0626	EA	1-1/4" Sweat Brass Companion Flange	33.00	13.77
22 11 16 00-0627	EA	1-1/2" Sweat Brass Companion Flange	43.16	14.97
22 11 16 00-0628	EA	2" Sweat Brass Companion Flange	54.80	16.61
22 11 16 00-0629	EA	2-1/2" Sweat Brass Companion Flange	68.38	19.98
22 11 16 00-0630	EA	3" Sweat Brass Companion Flange	79.07	26.19
22 11 16 00-0631	EA	4" Sweat Brass Companion Flange	102.28	31.21
22 11 16 00-0632	EA	5" Sweat Brass Companion Flange	194.93	37.82
22 11 16 00-0633	EA	6" Sweat Brass Companion Flange	240.44	54.96
22 11 16 00-0634	EA	8" Copper Companion Flange	485.92	78.39
22 11 16 00-0635		**Brass Compression Fittings** *(22 11 16 00-0285)*		
22 11 16 00-0636		**Brass Compression Unions** *(22 11 16 00-0635)*		
22 11 16 00-0637	EA	1/4" Brass Compression Union	13.89	8.78
22 11 16 00-0638	EA	3/8" Brass Compression Union	14.09	8.78
22 11 16 00-0639	EA	1/2" Brass Compression Union	14.70	8.78
22 11 16 00-0640	EA	5/8" Brass Compression Union	14.99	8.78
22 11 16 00-0641	EA	3/4" Brass Compression Union	17.39	8.78
22 11 16 00-0642	EA	3/8" x 1/4" Brass Compression Union	14.23	8.78
22 11 16 00-0643	EA	1/2" x 3/8" Brass Compression Union	14.75	8.78
22 11 16 00-0644	EA	5/8" x 3/8" Brass Compression Union	15.11	8.78
22 11 16 00-0645	EA	5/8" x 1/2" Brass Compression Union	15.69	8.78
22 11 16 00-0646		**Brass Compression Union Elbows** *(22 11 16 00-0635)*		
22 11 16 00-0647	EA	1/4" Brass Compression Union Elbow	14.70	8.78
22 11 16 00-0648	EA	3/8" Brass Compression Union Elbow	15.03	8.78
22 11 16 00-0649	EA	1/2" Brass Compression Union Elbow	15.75	8.78
22 11 16 00-0650	EA	5/8" Brass Compression Union Elbow	16.87	8.78
22 11 16 00-0651	EA	3/4" Brass Compression Union Elbow	21.23	8.78
22 11 16 00-0652	EA	3/8" x 1/4" Brass Compression Union Elbow	15.03	8.78
22 11 16 00-0653	EA	1/2" x 3/8" Brass Compression Union Elbow	15.75	8.78
22 11 16 00-0654	EA	5/8" x 3/8" Brass Compression Union Elbow	15.95	8.78
22 11 16 00-0655	EA	5/8" x 1/2" Brass Compression Union Elbow	19.23	8.78
22 11 16 00-0656		**Brass Compression Union Tees** *(22 11 16 00-0635)*		
22 11 16 00-0657	EA	1/4" Brass Compression Union Tee	14.95	8.78
22 11 16 00-0658	EA	3/8" Brass Compression Union Tee	15.63	8.78
22 11 16 00-0659	EA	1/2" Brass Compression Union Tee	16.35	8.78
22 11 16 00-0660	EA	5/8" Brass Compression Union Tee	18.63	8.78
22 11 16 00-0661	EA	3/4" Brass Compression Union Tee	26.51	8.78
22 11 16 00-0662	EA	3/8" x 3/8" x 1/4" Brass Compression Union Tee	16.11	8.78
22 11 16 00-0663	EA	1/2" x 1/2" x 3/8" Brass Compression Union Tee	19.81	8.78
22 11 16 00-0664	EA	5/8" x 5/8" x 3/8" Brass Compression Union Tee	19.45	8.78
22 11 16 00-0665	EA	5/8" x 5/8" x 1/2" Brass Compression Union Tee	19.87	8.78
22 11 16 00-0666		**Brass Compression Male Connectors** *(22 11 16 00-0635)*		
22 11 16 00-0667	EA	1/4" Brass Compression Male Connector	13.75	8.78
22 11 16 00-0668	EA	3/8" Brass Compression Male Connector	14.01	8.78
22 11 16 00-0669	EA	1/2" Brass Compression Male Connector	14.47	8.78
22 11 16 00-0670	EA	5/8" Brass Compression Male Connector	15.15	8.78

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0671	EA	3/4" Brass Compression Male Connector	16.12	8.70
22 11 16 00-0672		**Brass Compression Female Connectors** *(22 11 16 00-0635)*		
22 11 16 00-0673	EA	1/4" Brass Compression Female Connector	14.04	8.78
22 11 16 00-0674	EA	3/8" Brass Compression Female Connector	14.38	8.78
22 11 16 00-0675	EA	1/2" Brass Compression Female Connector	14.96	8.78
22 11 16 00-0676	EA	5/8" Brass Compression Female Connector	15.35	8.78
22 11 16 00-0677	EA	3/4" Brass Compression Female Connector	19.02	8.62
22 11 16 00-0678		**Dielectric Fittings** *(22 11 16 00-0285)*		
22 11 16 00-0679		**Copper x Female Iron Pipe Thread Dielectric Unions** *(22 11 16 00-0678)*		
22 11 16 00-0680	EA	1/2" Copper x Female Iron Pipe Thread Dielectric Union	35.04	19.51
22 11 16 00-0681	EA	3/4" Copper x Female Iron Pipe Thread Dielectric Union	39.10	22.27
22 11 16 00-0682	EA	1" Copper x Female Iron Pipe Thread Dielectric Union	46.71	24.47
22 11 16 00-0683	EA	1-1/4" Copper x Female Iron Pipe Thread Dielectric Union	56.88	26.94
22 11 16 00-0684	EA	1-1/2" Copper x Female Iron Pipe Thread Dielectric Union	69.04	29.94
22 11 16 00-0685	EA	2" Copper x Female Iron Pipe Thread Dielectric Union	87.90	35.92
22 11 16 00-0686		**Female Brass Thread x Iron Pipe Thread Dielectric Unions** *(22 11 16 00-0678)*		
22 11 16 00-0687	EA	1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union	38.69	19.51
22 11 16 00-0688	EA	3/4" Female Brass Thread x Iron Pipe Thread Dielectric Union	45.11	22.27
22 11 16 00-0689	EA	1" Female Brass Thread x Iron Pipe Thread Dielectric Union	54.63	24.47
22 11 16 00-0690	EA	1-1/4" Female Brass Thread x Iron Pipe Thread Dielectric Union	67.39	26.94
22 11 16 00-0691	EA	1-1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union	82.04	29.94
22 11 16 00-0692	EA	2" Female Brass Thread x Iron Pipe Thread Dielectric Union	103.15	35.92
22 11 16 00-0693		**Female Iron Pipe Thread x Iron Pipe Thread Dielectric Unions** *(22 11 16 00-0678)*		
22 11 16 00-0694	EA	1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	36.38	19.51
22 11 16 00-0695	EA	3/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	41.30	22.27
22 11 16 00-0696	EA	1" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	47.29	24.47
22 11 16 00-0697	EA	1-1/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	54.85	26.94
22 11 16 00-0698	EA	1-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	67.03	29.94
22 11 16 00-0699	EA	2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	86.28	35.92
22 11 16 00-0700		**Copper x Female Iron Pipe Thread Dielectric Flanges** *(22 11 16 00-0678)*		
22 11 16 00-0701	EA	2-1/2" Copper x Female Iron Pipe Thread Dielectric Flange	213.50	92.35
22 11 16 00-0702	EA	3" Copper x Female Iron Pipe Thread Dielectric Flange	267.22	116.30
22 11 16 00-0703	EA	4" Copper x Female Iron Pipe Thread Dielectric Flange	377.34	158.27
22 11 16 00-0704		**Copper x Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flanges** *(22 11 16 00-0678)*		
22 11 16 00-0705	EA	2-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	215.01	92.35
22 11 16 00-0706	EA	3" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	279.18	116.30
22 11 16 00-0707	EA	4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	515.30	158.27
22 11 16 00-0708		**Brass Push-Fit Fittings** *(22 11 16)*		
22 11 16 00-0709	EA	1/4" x 1/4" Brass Push-Fit Coupling Note: (Sharkbite)	16.26	8.12
22 11 16 00-0710	EA	3/8" x 3/8" Brass Push-Fit Coupling Note: (Sharkbite)	19.70	8.68
22 11 16 00-0711	EA	1/2" x 1/2" Brass Push-Fit Coupling Note: (Sharkbite)	20.68	9.76
22 11 16 00-0712	EA	5/8" x 5/8" Brass Push-Fit Coupling Note: (Sharkbite)	23.52	10.41
22 11 16 00-0713	EA	3/4" x 3/4" Brass Push-Fit Coupling Note: (Sharkbite)	24.14	11.12
22 11 16 00-0714	EA	1" x 1" Brass Push-Fit Coupling Note: (Sharkbite)	33.13	13.28
22 11 16 00-0715	EA	1/2" x 3/8" Brass Push-Fit Reducing Coupling Note: (Sharkbite)	20.19	9.21
22 11 16 00-0716	EA	3/4" x 5/8" Brass Push-Fit Reducing Coupling Note: (Sharkbite)	23.17	10.08
22 11 16 00-0717	EA	1" x 3/4" Brass Push-Fit Reducing Coupling Note: (Sharkbite)	33.54	12.19
22 11 16 00-0718	EA	1/4" x 1/4" Brass Push-Fit Elbow Note: (Sharkbite)	16.85	8.12
22 11 16 00-0719	EA	3/8" x 3/8" Brass Push-Fit Elbow Note: (Sharkbite)	22.20	8.68
22 11 16 00-0720	EA	1/2" x 1/2" Brass Push-Fit Elbow Note: (Sharkbite)	21.00	9.76
22 11 16 00-0721	EA	5/8" x 5/8" Brass Push-Fit Elbow Note: (Sharkbite)	24.98	10.41
22 11 16 00-0722	EA	3/4" x 3/4" Brass Push-Fit Elbow Note: (Sharkbite)	23.72	11.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0723	EA	1" x 1" Brass Push-Fit Elbow Note: (Sharkbite)	33.45	13.28
22 11 16 00-0724	EA	1/2" x 3/8" Brass Push-Fit Reducing Elbow Note: (Sharkbite)	19.92	9.21
22 11 16 00-0725	EA	3/4" x 1/2" Brass Push-Fit Reducing Elbow Note: (Sharkbite)	22.13	10.08
22 11 16 00-0726	EA	1" x 3/4" Brass Push-Fit Reducing Elbow Note: (Sharkbite)	40.71	12.19
22 11 16 00-0727	EA	1/4" x 1/4" x 1/4" Brass Push-Fit Tee Note: (Sharkbite)	25.51	12.19
22 11 16 00-0728	EA	3/8" x 3/8" x 3/8" Brass Push-Fit Tee Note: (Sharkbite)	31.48	13.01
22 11 16 00-0729	EA	1/2" x 1/2" x 1/2" Brass Push-Fit Tee Note: (Sharkbite)	29.76	14.63
22 11 16 00-0730	EA	5/8" x 5/8" x 5/8" Brass Push-Fit Tee Note: (Sharkbite)	36.85	15.61
22 11 16 00-0731	EA	3/4" x 3/4" x 3/4" Brass Push-Fit Tee Note: (Sharkbite)	34.58	16.66
22 11 16 00-0732	EA	1" x 1" x 1" Brass Push-Fit Tee Note: (Sharkbite)	46.28	19.91
22 11 16 00-0733	EA	1/2" x 1/2" x 1/4" Brass Push-Fit Reducing Tee Note: (Sharkbite)	32.50	13.82
22 11 16 00-0734	EA	1/2" x 1/2" x 3/8" Brass Push-Fit Reducing Tee Note: (Sharkbite)	32.74	14.09
22 11 16 00-0735	EA	3/4" x 3/4" x 1/2" Brass Push-Fit Reducing Tee Note: (Sharkbite)	33.35	15.99
22 11 16 00-0736	EA	1" x 1" x 3/4" Brass Push-Fit Reducing Tee Note: (Sharkbite)	44.73	18.84
22 11 16 00-0737	EA	1/4" x 1/2" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	19.10	8.94
22 11 16 00-0738	EA	3/8" x 1/2" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	19.01	9.21
22 11 16 00-0739	EA	1/2" x 1/2" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	19.01	9.76
22 11 16 00-0740	EA	3/4" x 3/4" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	21.74	11.12
22 11 16 00-0741	EA	1" x 1" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	29.76	13.28
22 11 16 00-0742	EA	1/4" x 1/2" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	17.09	8.94
22 11 16 00-0743	EA	3/8" x 1/2" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	19.01	9.21
22 11 16 00-0744	EA	1/2" x 1/2" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	19.05	9.76
22 11 16 00-0745	EA	3/4" x 3/4" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	21.56	11.12
22 11 16 00-0746	EA	5/8" x 3/4" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	22.99	10.75
22 11 16 00-0747	EA	1" x 3/4" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	27.33	12.19
22 11 16 00-0748	EA	1" x 1" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	30.13	13.28
22 11 16 00-0749	EA	1/2" Brass Push-Fit Ball Valve Note: (Sharkbite)	25.96	9.76
22 11 16 00-0750	EA	3/4" Brass Push-Fit Ball Valve Note: (Sharkbite)	30.25	11.12
22 11 16 00-0751	EA	1" Brass Push-Fit Ball Valve Note: (Sharkbite)	39.49	13.28
22 11 16 00-0752	EA	1/2" Brass Push-Fit Check Valve Note: (Sharkbite)	27.58	9.76
22 11 16 00-0753	EA	3/4" Brass Push-Fit Check Valve Note: (Sharkbite)	32.98	11.12
22 11 16 00-0754	EA	1" Brass Push-Fit Check Valve Note: (Sharkbite)	53.68	13.28

22 11 16 00-0755 Copper Pipe Assemblies *(22 11 16)*

Note: Includes hangers and all coupling, elbow, tee and reducer fittings. All fittings are based on 95/5 solder. All hangers are complete assemblies installed in accordance with MSS SP 58 and 69. Excludes insulation. Not for use where detail is available.

22 11 16 00-0756	LF	1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	15.64	2.28
		For Type K Tubing Instead Of Type L, Add	*1.02*	
		For Type M Tubing Instead Of Type L, Deduct	*-0.86*	
		For Silver Solder Instead Of 95/5 Solder, Add	*2.05*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.42*	
		For Work In Restricted Working Space, Add	*3.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0757	LF	3/4" Inside Diameter Copper Pipe/Tubing Type L Assembly	18.30	2.93
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*1.25*	
		For Type M Tubing Instead Of Type L, Deduct	*-1.04*	
		For Silver Solder Instead Of 95/5 Solder, Add	*2.36*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.64*	
		For Work In Restricted Working Space, Add	*4.32*	
22 11 16 00-0758	LF	1" Inside Diameter Copper Pipe/Tubing Type L Assembly	20.19	3.49
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*1.49*	
		For Type M Tubing Instead Of Type L, Deduct	*-1.21*	
		For Silver Solder Instead Of 95/5 Solder, Add	*2.52*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.76*	
		For Work In Restricted Working Space, Add	*4.53*	
22 11 16 00-0759	LF	1-1/4" Inside Diameter Copper Pipe/Tubing Type L Assembly	22.08	4.07
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*1.74*	
		For Type M Tubing Instead Of Type L, Deduct	*-1.39*	
		For Silver Solder Instead Of 95/5 Solder, Add	*2.67*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.89*	
		For Work In Restricted Working Space, Add	*4.71*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-0.64*	
22 11 16 00-0760	LF	1-1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly	24.60	4.63
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*2.04*	
		For Type M Tubing Instead Of Type L, Deduct	*-1.61*	
		For Silver Solder Instead Of 95/5 Solder, Add	*2.90*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.07*	
		For Work In Restricted Working Space, Add	*5.02*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-0.79*	
22 11 16 00-0761	LF	2" Inside Diameter Copper Pipe/Tubing Type L Assembly	35.64	5.77
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*3.63*	
		For Type M Tubing Instead Of Type L, Deduct	*-2.74*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.71*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.75*	
		For Work In Restricted Working Space, Add	*5.78*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-1.64*	
22 11 16 00-0762	LF	2-1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly	43.29	6.96
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*4.77*	
		For Type M Tubing Instead Of Type L, Deduct	*-3.54*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.23*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.20*	
		For Work In Restricted Working Space, Add	*6.20*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-2.26*	
22 11 16 00-0763	LF	3" Inside Diameter Copper Pipe/Tubing Type L Assembly	50.50	8.08
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*5.80*	
		For Type M Tubing Instead Of Type L, Deduct	*-4.27*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.76*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.64*	
		For Work In Restricted Working Space, Add	*6.71*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-2.81*	
22 11 16 00-0764	LF	4" Inside Diameter Copper Pipe/Tubing Type L Assembly	73.99	10.70
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*9.02*	
		For Type M Tubing Instead Of Type L, Deduct	*-6.57*	
		For Silver Solder Instead Of 95/5 Solder, Add	*6.59*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.15*	
		For Work In Restricted Working Space, Add	*8.68*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-4.51*	
22 11 16 00-0765	LF	5" Inside Diameter Copper Pipe/Tubing Type L Assembly	162.34	13.32
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*23.32*	
		For Type M Tubing Instead Of Type L, Deduct	*-16.51*	
		For Silver Solder Instead Of 95/5 Solder, Add	*11.83*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.97*	
		For Work In Restricted Working Space, Add	*11.14*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-12.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0766	LF	6" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	201.00	16.09
		For Type K Tubing Instead Of Type L, Add	*28.72*	
		For Type M Tubing Instead Of Type L, Deduct	*-20.35*	
		For Silver Solder Instead Of 95/5 Solder, Add	*14.76*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.41*	
		For Work In Restricted Working Space, Add	*14.14*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-15.39*	
22 11 16 00-0767	LF	8" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	355.48	19.23
		For Type K Tubing Instead Of Type L, Add	*54.12*	
		For Type M Tubing Instead Of Type L, Deduct	*-37.97*	
		For Silver Solder Instead Of 95/5 Solder, Add	*23.63*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-20.70*	
		For Work In Restricted Working Space, Add	*17.58*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-29.69*	
22 11 16 00-0768		Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings *(22 11 16)* Note: Socket weld.		
22 11 16 00-0769		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings *(22 11 16 00-0768)*		
22 11 16 00-0770		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pipe *(22 11 16 00-0769)*		
22 11 16 00-0771	LF	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	4.09	1.20
		For Work In Restricted Working Space, Add	*0.89*	
22 11 16 00-0772	LF	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	4.65	1.26
		For Work In Restricted Working Space, Add	*0.94*	
22 11 16 00-0773	LF	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	5.60	1.35
		For Work In Restricted Working Space, Add	*1.01*	
22 11 16 00-0774	LF	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	6.76	1.47
		For Work In Restricted Working Space, Add	*1.11*	
22 11 16 00-0775	LF	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	7.80	1.63
		For Work In Restricted Working Space, Add	*1.23*	
22 11 16 00-0776	LF	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	9.68	1.82
		For Work In Restricted Working Space, Add	*1.37*	
22 11 16 00-0777	LF	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	13.04	2.08
		For Work In Restricted Working Space, Add	*1.56*	
22 11 16 00-0778	LF	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	16.61	2.46
		For Work In Restricted Working Space, Add	*1.84*	
22 11 16 00-0779	LF	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	22.92	3.01
		For Work In Restricted Working Space, Add	*2.26*	
22 11 16 00-0780	LF	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	39.35	3.83
		For Work In Restricted Working Space, Add	*2.88*	
22 11 16 00-0781	LF	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	56.47	5.03
		For Work In Restricted Working Space, Add	*3.77*	
22 11 16 00-0782		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows *(22 11 16 00-0769)*		
22 11 16 00-0783	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	15.95	5.69
		For Work In Restricted Working Space, Add	*4.27*	
22 11 16 00-0784	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	20.64	7.18
		For Work In Restricted Working Space, Add	*5.39*	
22 11 16 00-0785	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	26.76	8.98
		For Work In Restricted Working Space, Add	*6.76*	
22 11 16 00-0786	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	36.31	11.22
		For Work In Restricted Working Space, Add	*8.44*	
22 11 16 00-0787	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	40.36	12.42
		For Work In Restricted Working Space, Add	*9.34*	
22 11 16 00-0788	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	47.16	12.42
		For Work In Restricted Working Space, Add	*10.42*	
22 11 16 00-0789	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	71.91	15.79
		For Work In Restricted Working Space, Add	*11.86*	
22 11 16 00-0790	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	81.90	18.71
		For Work In Restricted Working Space, Add	*14.01*	
22 11 16 00-0791	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	116.18	22.98
		For Work In Restricted Working Space, Add	*17.24*	
22 11 16 00-0792	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	146.62	29.19
		For Work In Restricted Working Space, Add	*21.91*	
22 11 16 00-0793	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	275.87	38.32
		For Work In Restricted Working Space, Add	*28.74*	
22 11 16 00-0794		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows *(22 11 16 00-0769)*		
22 11 16 00-0795	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	16.81	5.69
		For Work In Restricted Working Space, Add	*4.27*	
22 11 16 00-0796	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	21.68	7.18
		For Work In Restricted Working Space, Add	*5.39*	
22 11 16 00-0797	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	28.44	8.98
		For Work In Restricted Working Space, Add	*6.76*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0798	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	38.52	11.22
		For Work In Restricted Working Space, Add	*8.44*	
22 11 16 00-0799	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	43.04	12.42
		For Work In Restricted Working Space, Add	*9.34*	
22 11 16 00-0800	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	48.07	13.92
		For Work In Restricted Working Space, Add	*10.42*	
22 11 16 00-0801	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	72.49	15.79
		For Work In Restricted Working Space, Add	*11.86*	
22 11 16 00-0802	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	81.82	18.71
		For Work In Restricted Working Space, Add	*14.01*	
22 11 16 00-0803	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	105.66	22.98
		For Work In Restricted Working Space, Add	*17.24*	
22 11 16 00-0804	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	166.34	29.19
		For Work In Restricted Working Space, Add	*21.91*	
22 11 16 00-0805	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	289.84	38.32
		For Work In Restricted Working Space, Add	*28.74*	

22 11 16 00-0806 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tees *(22 11 16 00-0769)*

22 11 16 00-0807	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	24.46	8.53
		For Work In Restricted Working Space, Add	*6.40*	
22 11 16 00-0808	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	31.95	10.78
		For Work In Restricted Working Space, Add	*8.08*	
22 11 16 00-0809	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	39.98	13.55
		For Work In Restricted Working Space, Add	*10.15*	
22 11 16 00-0810	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	55.19	16.91
		For Work In Restricted Working Space, Add	*12.66*	
22 11 16 00-0811	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	61.58	18.71
		For Work In Restricted Working Space, Add	*14.01*	
22 11 16 00-0812	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	74.28	20.80
		For Work In Restricted Working Space, Add	*15.63*	
22 11 16 00-0813	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	95.73	23.72
		For Work In Restricted Working Space, Add	*17.78*	
22 11 16 00-0814	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	109.72	27.99
		For Work In Restricted Working Space, Add	*21.02*	
22 11 16 00-0815	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	133.07	34.50
		For Work In Restricted Working Space, Add	*25.86*	
22 11 16 00-0816	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	201.13	43.86
		For Work In Restricted Working Space, Add	*32.87*	
22 11 16 00-0817	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	405.85	57.48
		For Work In Restricted Working Space, Add	*43.11*	

22 11 16 00-0818 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Crosses *(22 11 16 00-0769)*

22 11 16 00-0819	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	31.14	11.37
		For Work In Restricted Working Space, Add	*8.53*	
22 11 16 00-0820	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	40.23	14.36
		For Work In Restricted Working Space, Add	*10.78*	
22 11 16 00-0821	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	50.37	18.04
		For Work In Restricted Working Space, Add	*13.52*	
22 11 16 00-0822	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	67.47	22.52
		For Work In Restricted Working Space, Add	*16.88*	
22 11 16 00-0823	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	75.08	24.92
		For Work In Restricted Working Space, Add	*18.68*	
22 11 16 00-0824	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	88.57	27.76
		For Work In Restricted Working Space, Add	*20.84*	
22 11 16 00-0825	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	110.43	31.58
		For Work In Restricted Working Space, Add	*23.71*	
22 11 16 00-0826	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	127.56	37.34
		For Work In Restricted Working Space, Add	*28.02*	
22 11 16 00-0827	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	155.31	45.95
		For Work In Restricted Working Space, Add	*34.49*	
22 11 16 00-0828	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	224.94	58.44
		For Work In Restricted Working Space, Add	*43.82*	
22 11 16 00-0829	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	417.39	76.63
		For Work In Restricted Working Space, Add	*57.47*	

22 11 16 00-0830 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld Reducing Inserts *(22 11 16 00-0769)*

22 11 16 00-0831	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	14.21	5.24
		For Work In Restricted Working Space, Add	*3.95*	
22 11 16 00-0832	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	19.75	7.11
		For Work In Restricted Working Space, Add	*5.32*	
22 11 16 00-0833	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	32.40	9.28
		For Work In Restricted Working Space, Add	*6.96*	
22 11 16 00-0834	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	36.53	10.25
		For Work In Restricted Working Space, Add	*7.70*	
22 11 16 00-0835	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	42.93	11.45
		For Work In Restricted Working Space, Add	*8.60*	
22 11 16 00-0836	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	46.89	13.02
		For Work In Restricted Working Space, Add	*9.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0837	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	56.80	15.41
		For Work In Restricted Working Space, Add	*11.56*	
22 11 16 00-0838	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	76.70	18.94
		For Work In Restricted Working Space, Add	*14.23*	
22 11 16 00-0839	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	122.57	24.09
		For Work In Restricted Working Space, Add	*18.08*	
22 11 16 00-0840	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	266.54	31.58
		For Work In Restricted Working Space, Add	*23.71*	

22 11 16 00-0841 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Thread Reducing Inserts *(22 11 16 00-0769)*

22 11 16 00-0842	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	16.12	3.74
		For Work In Restricted Working Space, Add	*2.81*	
22 11 16 00-0843	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	20.46	5.24
		For Work In Restricted Working Space, Add	*3.95*	
22 11 16 00-0844	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	25.55	7.11
		For Work In Restricted Working Space, Add	*5.32*	
22 11 16 00-0845	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	31.90	9.28
		For Work In Restricted Working Space, Add	*6.96*	
22 11 16 00-0846	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	37.27	10.25
		For Work In Restricted Working Space, Add	*7.70*	
22 11 16 00-0847	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	46.62	11.45
		For Work In Restricted Working Space, Add	*8.60*	
22 11 16 00-0848	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	70.99	13.02
		For Work In Restricted Working Space, Add	*9.79*	
22 11 16 00-0849	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	138.74	15.41
		For Work In Restricted Working Space, Add	*11.56*	
22 11 16 00-0850	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	205.36	18.94
		For Work In Restricted Working Space, Add	*14.23*	

22 11 16 00-0851 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters *(22 11 16 00-0769)*

22 11 16 00-0852	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	11.95	3.74
		For Work In Restricted Working Space, Add	*2.81*	
22 11 16 00-0853	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	16.68	5.24
		For Work In Restricted Working Space, Add	*3.95*	
22 11 16 00-0854	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	23.63	7.11
		For Work In Restricted Working Space, Add	*5.32*	
22 11 16 00-0855	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	31.90	9.28
		For Work In Restricted Working Space, Add	*6.96*	
22 11 16 00-0856	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	37.44	10.25
		For Work In Restricted Working Space, Add	*7.70*	
22 11 16 00-0857	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	44.58	11.45
		For Work In Restricted Working Space, Add	*8.60*	
22 11 16 00-0858	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	62.75	13.02
		For Work In Restricted Working Space, Add	*9.79*	
22 11 16 00-0859	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	74.96	15.41
		For Work In Restricted Working Space, Add	*11.56*	
22 11 16 00-0860	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	109.02	18.94
		For Work In Restricted Working Space, Add	*14.23*	

22 11 16 00-0861 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters *(22 11 16 00-0769)*

22 11 16 00-0862	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	12.93	3.74
		For Work In Restricted Working Space, Add	*2.81*	
22 11 16 00-0863	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	16.99	5.24
		For Work In Restricted Working Space, Add	*3.95*	
22 11 16 00-0864	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	23.72	7.11
		For Work In Restricted Working Space, Add	*5.32*	
22 11 16 00-0865	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	32.19	9.28
		For Work In Restricted Working Space, Add	*6.96*	
22 11 16 00-0866	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	36.12	10.25
		For Work In Restricted Working Space, Add	*7.70*	
22 11 16 00-0867	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	43.50	11.45
		For Work In Restricted Working Space, Add	*8.60*	
22 11 16 00-0868	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	63.37	13.02
		For Work In Restricted Working Space, Add	*9.79*	
22 11 16 00-0869	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	85.84	15.41
		For Work In Restricted Working Space, Add	*11.56*	
22 11 16 00-0870	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	127.51	18.94
		For Work In Restricted Working Space, Add	*14.23*	

22 11 16 00-0871 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings *(22 11 16 00-0769)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0872	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	10.73	3.44
		For Work In Restricted Working Space, Add	*2.56*	
22 11 16 00-0873	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	15.09	4.78
		For Work In Restricted Working Space, Add	*3.59*	
22 11 16 00-0874	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	20.28	6.44
		For Work In Restricted Working Space, Add	*4.83*	
22 11 16 00-0875	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	27.35	8.46
		For Work In Restricted Working Space, Add	*6.33*	
22 11 16 00-0876	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	31.23	9.36
		For Work In Restricted Working Space, Add	*7.01*	
22 11 16 00-0877	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	35.19	10.41
		For Work In Restricted Working Space, Add	*7.81*	
22 11 16 00-0878	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	51.58	11.83
		For Work In Restricted Working Space, Add	*8.89*	
22 11 16 00-0879	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	57.18	13.99
		For Work In Restricted Working Space, Add	*10.51*	
22 11 16 00-0880	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	72.14	17.21
		For Work In Restricted Working Space, Add	*12.93*	
22 11 16 00-0881	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	112.07	21.93
		For Work In Restricted Working Space, Add	*16.43*	
22 11 16 00-0882	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	187.92	28.74
		For Work In Restricted Working Space, Add	*21.55*	

22 11 16 00-0883 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions *(22 11 16 00-0769)*

22 11 16 00-0884	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	19.64	4.12
		For Work In Restricted Working Space, Add	*3.08*	
22 11 16 00-0885	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	24.21	5.76
		For Work In Restricted Working Space, Add	*4.31*	
22 11 16 00-0886	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	29.47	7.71
		For Work In Restricted Working Space, Add	*5.79*	
22 11 16 00-0887	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	49.18	10.10
		For Work In Restricted Working Space, Add	*7.59*	
22 11 16 00-0888	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	52.31	11.22
		For Work In Restricted Working Space, Add	*8.40*	
22 11 16 00-0889	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	71.64	12.50
		For Work In Restricted Working Space, Add	*9.39*	
22 11 16 00-0890	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	119.22	14.22
		For Work In Restricted Working Space, Add	*10.67*	
22 11 16 00-0891	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	168.49	16.84
		For Work In Restricted Working Space, Add	*12.62*	
22 11 16 00-0892	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	266.65	20.66
		For Work In Restricted Working Space, Add	*15.51*	
22 11 16 00-0893	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	355.99	26.27
		For Work In Restricted Working Space, Add	*19.71*	
22 11 16 00-0894	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	440.81	34.50
		For Work In Restricted Working Space, Add	*25.86*	

22 11 16 00-0895 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Caps *(22 11 16 00-0769)*

22 11 16 00-0896	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	6.32	1.12
		For Work In Restricted Working Space, Add	*0.85*	
22 11 16 00-0897	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	10.92	2.40
		For Work In Restricted Working Space, Add	*1.79*	
22 11 16 00-0898	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	18.37	3.89
		For Work In Restricted Working Space, Add	*2.90*	
22 11 16 00-0899	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	20.12	4.19
		For Work In Restricted Working Space, Add	*3.17*	
22 11 16 00-0900	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	21.42	4.64
		For Work In Restricted Working Space, Add	*3.50*	
22 11 16 00-0901	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	28.72	5.24
		For Work In Restricted Working Space, Add	*3.91*	
22 11 16 00-0902	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	43.09	5.91
		For Work In Restricted Working Space, Add	*4.45*	
22 11 16 00-0903	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	46.44	7.03
		For Work In Restricted Working Space, Add	*5.26*	
22 11 16 00-0904	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	70.34	8.60
		For Work In Restricted Working Space, Add	*6.47*	
22 11 16 00-0905	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	148.77	10.93
		For Work In Restricted Working Space, Add	*8.22*	
22 11 16 00-0906	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	191.78	14.36
		For Work In Restricted Working Space, Add	*10.78*	

22 11 16 00-0907 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges *(22 11 16 00-0769)*

22 11 16 00-0908	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	15.20	2.69
		For Work In Restricted Working Space, Add	*2.04*	
22 11 16 00-0909	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	18.57	3.82
		For Work In Restricted Working Space, Add	*2.87*	
22 11 16 00-0910	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	22.88	5.17
		For Work In Restricted Working Space, Add	*3.86*	
22 11 16 00-0911	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	27.21	6.74
		For Work In Restricted Working Space, Add	*5.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0912	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	29.25	7.48
		For Work In Restricted Working Space, Add	*5.61*	
22 11 16 00-0913	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	34.82	8.31
		For Work In Restricted Working Space, Add	*6.24*	
22 11 16 00-0914	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	45.60	9.51
		For Work In Restricted Working Space, Add	*7.12*	
22 11 16 00-0915	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	51.85	11.22
		For Work In Restricted Working Space, Add	*8.40*	
22 11 16 00-0916	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	64.74	13.77
		For Work In Restricted Working Space, Add	*10.35*	
22 11 16 00-0917	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	91.40	17.52
		For Work In Restricted Working Space, Add	*13.16*	
22 11 16 00-0918	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	164.72	22.98
		For Work In Restricted Working Space, Add	*17.24*	

22 11 16 00-0919 Cross-Linked Polyethylene Tubing, ASTM F877 *(22 11 16)*

Note: Aboveground, domestic water usage.

22 11 16 00-0920 Cross-Linked Polyethylene Tubing *(22 11 16 00-0919)*

22 11 16 00-0921	LF	3/8" Cross-Linked Polyethylene Tubing	2.71	
		For Work In Restricted Working Space, Add	*0.71*	
22 11 16 00-0922	LF	1/2" Cross-Linked Polyethylene Tubing	2.94	
		For Work In Restricted Working Space, Add	*0.77*	
22 11 16 00-0923	LF	3/4" Cross-Linked Polyethylene Tubing	3.46	
		For Work In Restricted Working Space, Add	*0.83*	
22 11 16 00-0924	LF	1" Cross-Linked Polyethylene Tubing	4.12	
		For Work In Restricted Working Space, Add	*0.87*	

22 11 16 00-0925 Cross-Linked Polyethylene Forged Brass PEX Fittings *(22 11 16 00-0919)*

Note: Aboveground, domestic water usage.

22 11 16 00-0926 Male Adapters *(22 11 16 00-0925)*

22 11 16 00-0927	EA	3/8" x 1/2", (PE x Threaded) Male Adapter For PEX Tubing	13.57	
		For Work In Restricted Working Space, Add	*3.66*	
22 11 16 00-0928	EA	1/2" x 1/2", (PE x Threaded) Male Adapter For PEX Tubing	14.55	
		For Work In Restricted Working Space, Add	*3.90*	
22 11 16 00-0929	EA	1/2" x 3/4", (PE x Threaded) Male Adapter For PEX Tubing	15.68	
		For Work In Restricted Working Space, Add	*4.15*	
22 11 16 00-0930	EA	3/4" x 3/4", (PE x Threaded) Male Adapter For PEX Tubing	16.49	
		For Work In Restricted Working Space, Add	*4.39*	
22 11 16 00-0931	EA	3/4" x 1/2", (PE x Threaded) Male Adapter For PEX Tubing	15.68	
		For Work In Restricted Working Space, Add	*4.15*	
22 11 16 00-0932	EA	1" x 1", (PE x Threaded) Male Adapter For PEX Tubing	19.54	
		For Work In Restricted Working Space, Add	*4.88*	

22 11 16 00-0933 Female Adapters *(22 11 16 00-0925)*

22 11 16 00-0934	EA	1/2" x 1/2", (PE x Threaded) Female Adapter For PEX Tubing	14.71	
		For Work In Restricted Working Space, Add	*3.90*	
22 11 16 00-0935	EA	1/2" x 3/4", (PE x Threaded) Female Adapter For PEX Tubing	16.12	
		For Work In Restricted Working Space, Add	*4.15*	
22 11 16 00-0936	EA	3/4" x 3/4", (PE x Threaded) Female Adapter For PEX Tubing	16.93	
		For Work In Restricted Working Space, Add	*4.39*	
22 11 16 00-0937	EA	3/4" x 1/2", (PE x Threaded) Female Adapter For PEX Tubing	16.12	
		For Work In Restricted Working Space, Add	*4.15*	
22 11 16 00-0938	EA	1" x 1", (PE x Threaded) Female Adapter For PEX Tubing	19.74	
		For Work In Restricted Working Space, Add	*4.88*	

22 11 16 00-0939 Tube Adapters *(22 11 16 00-0925)*

22 11 16 00-0940	EA	3/8" x 1/2" Tube Adapter For PEX Tubing	12.91	
		For Work In Restricted Working Space, Add	*3.66*	
22 11 16 00-0941	EA	1/2" Tube Adapter For PEX Tubing	13.73	
		For Work In Restricted Working Space, Add	*3.90*	
22 11 16 00-0942	EA	3/4" Tube Adapter For PEX Tubing	15.97	
		For Work In Restricted Working Space, Add	*4.39*	
22 11 16 00-0943	EA	1" Tube Adapter For PEX Tubing	19.12	
		For Work In Restricted Working Space, Add	*4.88*	

22 11 16 00-0944 Plugs *(22 11 16 00-0925)*

22 11 16 00-0945	EA	3/8" Plug For PEX Tubing	6.25	
		For Work In Restricted Working Space, Add	*1.71*	
22 11 16 00-0946	EA	1/2" Plug For PEX Tubing	7.06	
		For Work In Restricted Working Space, Add	*1.95*	
22 11 16 00-0947	EA	3/4" Plug For PEX Tubing	8.04	
		For Work In Restricted Working Space, Add	*2.20*	
22 11 16 00-0948	EA	1" Plug For PEX Tubing	9.46	
		For Work In Restricted Working Space, Add	*2.44*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0949		Tees *(22 11 16 00-0925)*		
22 11 16 00-0950	EA	3/8" Tee For PEX Tubing	18.26	
		For Work In Restricted Working Space, Add	*5.12*	
22 11 16 00-0951	EA	1/2" Tee For PEX Tubing	20.69	
		For Work In Restricted Working Space, Add	*5.85*	
22 11 16 00-0952	EA	3/4" Tee For PEX Tubing	23.93	
		For Work In Restricted Working Space, Add	*6.59*	
22 11 16 00-0953	EA	1" Tee For PEX Tubing	28.62	
		For Work In Restricted Working Space, Add	*7.31*	
22 11 16 00-0954	EA	1/2" Reducing Tee For PEX Tubing	19.88	
		For Work In Restricted Working Space, Add	*5.61*	
22 11 16 00-0955	EA	3/4" Reducing Tee For PEX Tubing	22.31	
		For Work In Restricted Working Space, Add	*6.10*	
22 11 16 00-0956	EA	1" Reducing Tee For PEX Tubing	25.87	
		For Work In Restricted Working Space, Add	*6.59*	
22 11 16 00-0957		Couplings *(22 11 16 00-0925)*		
22 11 16 00-0958	EA	3/8" Coupling For PEX Tubing	11.98	
		For Work In Restricted Working Space, Add	*3.41*	
22 11 16 00-0959	EA	1/2" Coupling For PEX Tubing	13.65	
		For Work In Restricted Working Space, Add	*3.90*	
22 11 16 00-0960	EA	3/4" Coupling For PEX Tubing	15.47	
		For Work In Restricted Working Space, Add	*4.39*	
22 11 16 00-0961	EA	1" Coupling For PEX Tubing	18.04	
		For Work In Restricted Working Space, Add	*4.88*	
22 11 16 00-0962	EA	3/4" x 1/2" Reducing Coupling For PEX Tubing	14.66	
		For Work In Restricted Working Space, Add	*4.15*	
22 11 16 00-0963	EA	1" x 3/4" Reducing Coupling For PEX Tubing	17.22	
		For Work In Restricted Working Space, Add	*4.63*	
22 11 16 00-0964		Fitting Reducers *(22 11 16 00-0925)*		
22 11 16 00-0965	EA	3/8" x 1/2" Fitting Reducer For PEX Tubing	13.03	
		For Work In Restricted Working Space, Add	*3.66*	
22 11 16 00-0966	EA	1/2" Fitting Reducer For PEX Tubing	13.85	
		For Work In Restricted Working Space, Add	*3.90*	
22 11 16 00-0967	EA	3/4" Fitting Reducer For PEX Tubing	16.21	
		For Work In Restricted Working Space, Add	*4.39*	
22 11 16 00-0968	EA	1" Fitting Reducer For PEX Tubing	20.50	
		For Work In Restricted Working Space, Add	*4.88*	
22 11 16 00-0969		90 Degree Elbows *(22 11 16 00-0925)*		
22 11 16 00-0970	EA	3/8" 90 Degree Elbow For PEX Tubing	12.34	
		For Work In Restricted Working Space, Add	*3.41*	
22 11 16 00-0971	EA	1/2" 90 Degree Elbow For PEX Tubing	13.97	
		For Work In Restricted Working Space, Add	*3.90*	
22 11 16 00-0972	EA	3/4" 90 Degree Elbow For PEX Tubing	16.21	
		For Work In Restricted Working Space, Add	*4.39*	
22 11 16 00-0973	EA	3/4" x 1/2" 90 Degree Elbow For PEX Tubing	15.40	
		For Work In Restricted Working Space, Add	*4.15*	
22 11 16 00-0974	EA	1/2" Drop 90 Degree Elbow For PEX Tubing	16.49	
		For Work In Restricted Working Space, Add	*3.90*	
22 11 16 00-0975	EA	3/4" Drop 90 Degree Elbow For PEX Tubing	18.47	
		For Work In Restricted Working Space, Add	*4.39*	
22 11 16 00-0976	EA	3/4" x 1/2" Drop 90 Degree Elbow For PEX Tubing	17.66	
		For Work In Restricted Working Space, Add	*4.15*	
22 11 19		**Domestic Water Piping Specialties** *(22 11)*		
22 11 19 00-0001		Rubber Hose And Clamps *(22 11 19)*		
22 11 19 00-0002		General Purpose Hose *(22 11 19 00-0001)*		
		Note: For medium pressure (up to 200/250 psi) applications requiring excellent resistance to air, oil and heat.		
22 11 19 00-0003	LF	3/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	7.53	1.62
22 11 19 00-0004	LF	1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	7.60	1.62
22 11 19 00-0005	LF	5/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	7.76	1.62
22 11 19 00-0006	LF	3/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	7.72	1.62
22 11 19 00-0007	LF	1" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	9.73	2.43
22 11 19 00-0008	LF	1-1/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	10.97	2.43
22 11 19 00-0009	LF	1-1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	12.84	3.24
22 11 19 00-0010		Chemical Resistant Rubber Hoses *(22 11 19 00-0001)*		
22 11 19 00-0011	EA	50' x 6" Brown Gum Rubber, Chemical Resistant Flexible Hose	1,067.85	194.56
22 11 19 00-0012	EA	50' x 6" Nitrile Rubber, Low pH Resistance, Flexible Hose	1,512.54	194.56
22 11 19 00-0013		Water Pump Hose *(22 11 19 00-0001)*		
22 11 19 00-0014	EA	2" Inside Diameter, 20' Rubber Discharge Hose	180.73	49.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0015	EA	2" Inside Diameter, 20' Rubber Intake Hose	187.05	49.51
22 11 19 00-0016		**Serrated Shank Nipple** *(22 11 19 00-0001)* Note: For use as medium pressure coupling.		
22 11 19 00-0017	EA	3/8" Inside Diameter Hose x 1/2" Male Pipe Thread Serrated Shank Nipple	17.65	4.05
22 11 19 00-0018	EA	1/2" Inside Diameter Hose x 5/8" Male Pipe Thread Serrated Shank Nipple	17.56	4.05
22 11 19 00-0019	EA	5/8" Inside Diameter Hose x 3/4" Male Pipe Thread Serrated Shank Nipple	17.56	4.05
22 11 19 00-0020	EA	3/4" Inside Diameter Hose x 1" Male Pipe Thread Serrated Shank Nipple	22.27	5.67
22 11 19 00-0021	EA	1" Inside Diameter Hose x 1-1/4" Male Pipe Thread Serrated Shank Nipple	23.43	5.67
22 11 19 00-0022	EA	1-1/4" Inside Diameter Hose x 1-1/2" Male Pipe Thread Serrated Shank Nipple	44.15	10.54
22 11 19 00-0023	EA	1-1/2" Inside Diameter Hose x 2" Male Pipe Thread Serrated Shank Nipple	54.78	12.97
22 11 19 00-0024		**Worm-Drive Hose Clamp** *(22 11 19 00-0001)*		
22 11 19 00-0025	EA	3/8" To 1" Diameter Worm Drive Hose Clamp	8.27	2.43
22 11 19 00-0026	EA	1/2" To 1-1/6" Diameter Worm Drive Hose Clamp	8.75	2.43
22 11 19 00-0027	EA	5/8" To 1-1/2" Diameter Worm Drive Hose Clamp	9.28	2.43
22 11 19 00-0028	EA	3/4" To 2" Diameter Worm Drive Hose Clamp	9.88	2.43
22 11 19 00-0029	EA	1" To 2-1/2" Diameter Worm Drive Hose Clamp	10.57	2.43
22 11 19 00-0030	EA	1-1/4" To 2-3/4" Diameter Worm Drive Hose Clamp	11.42	3.24
22 11 19 00-0031	EA	1-1/2" To 3" Diameter Worm Drive Hose Clamp	12.34	3.24
22 11 19 00-0032		**Trap Primer And Accessories** *(22 11 19)*		
22 11 19 00-0033		**Trap Primer** *(22 11 19 00-0032)*		
22 11 19 00-0034	EA	1/2" Inlet/Outlet, Flow Through Automatic Trap Primer (JR Smith 2699)	140.32	12.19
22 11 19 00-0035	EA	1/2" Inlet/Outlet, Automatic Trap Primer, Up To Two Floor Drains (PPP PR-500)	86.90	8.12
22 11 19 00-0036	EA	1/2" Inlet/Outlet, Automatic Trap Primer, Up To Four Floor Drains (PPP PO-500)	84.49	8.12
22 11 19 00-0037		**Trap Primer Distribution Unit** *(22 11 19 00-0032)*		
22 11 19 00-0038	EA	Molded Plastic Four Opening Trap Primer Distribution Unit (PPP DU-U) Note: Can be used for two, three or four drains.	85.00	16.26
22 11 19 00-0039	EA	Copper Four Opening Trap Primer Distribution Unit (PPP DU-4) Note: Can be used for two, three or four drains.	91.49	16.26
22 11 19 00-0040		**Trap Primer Manifold** *(22 11 19 00-0032)*		
22 11 19 00-0041	EA	Two Outlet Manifold	114.31	21.87
22 11 19 00-0042	EA	Four Outlet Manifold	167.64	24.88
22 11 19 00-0043	EA	Six Outlet Manifold	218.83	26.34
22 11 19 00-0044	EA	Eight Outlet Manifold	273.80	30.89
22 11 19 00-0045		**Brass, Anti Siphon Vacuum Breakers** *(22 11 19)* Note: Watts 288A		
22 11 19 00-0046	EA	1/2" Brass, Anti Siphon Vacuum Breaker	61.19	20.33
22 11 19 00-0047	EA	3/4" Brass, Anti Siphon Vacuum Breaker	69.69	22.76
22 11 19 00-0048	EA	1" Brass, Anti Siphon Vacuum Breaker	126.11	26.02
22 11 19 00-0049	EA	1-1/4" Brass, Anti Siphon Vacuum Breaker	191.50	30.08
22 11 19 00-0050	EA	1-1/2" Brass, Anti Siphon Vacuum Breaker	228.09	33.33
22 11 19 00-0051	EA	2" Brass, Anti Siphon Vacuum Breaker	326.68	40.64
22 11 19 00-0052	EA	2-1/2" Brass, Anti Siphon Vacuum Breaker	812.04	50.81
22 11 19 00-0053		**Anti Siphon Pressure Vacuum Breakers** *(22 11 19)* Note: Watts 800M4QT		
22 11 19 00-0054	EA	1/2" Anti Siphon Pressure Type Vacuum Breaker	148.23	20.33
22 11 19 00-0055	EA	3/4" Anti Siphon Pressure Type Vacuum Breaker	133.44	22.76
22 11 19 00-0056	EA	1" Anti Siphon Pressure Type Vacuum Breaker	185.32	26.02
22 11 19 00-0057	EA	1-1/4" Anti Siphon Pressure Type Vacuum Breaker	321.75	30.08
22 11 19 00-0058	EA	1-1/2" Anti Siphon Pressure Type Vacuum Breaker	390.64	33.33
22 11 19 00-0059	EA	2" Anti Siphon Pressure Type Vacuum Breaker	399.49	40.64
22 11 19 00-0060		**Bellows Type Water Hammer Arrestors** *(22 11 19)*		
22 11 19 00-0061	EA	Up To 11 Fixture Unit Capacity, 3/4" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5005)	128.75	9.73
22 11 19 00-0062	EA	>11 To 32 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5010)	245.97	11.76
22 11 19 00-0063	EA	>32 To 60 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5020)	356.24	11.76
22 11 19 00-0064	EA	>60 To 113 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5030)	857.66	11.76
22 11 19 00-0065	EA	>113 To 154 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5040)	965.07	11.76
22 11 19 00-0066	EA	>154 To 330 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5050)	1,180.51	11.76

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0067		Piston Type Water Hammer Arrestors *(22 11 19)*		
22 11 19 00-0068		Threaded Piston Type Water Hammer Arrestors *(22 11 19 00-0067)*		
22 11 19 00-0069	EA	Up To 11 Fixture Unit Capacity, 1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-A)	77.38	5.42
22 11 19 00-0070	EA	>11 To 32 Fixture Unit Capacity, 3/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-B)	145.60	6.25
22 11 19 00-0071	EA	>32 To 60 Fixture Unit Capacity, 1" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-C)	214.55	6.78
22 11 19 00-0072	EA	>60 To 113 Fixture Unit Capacity, 1-1/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-D)	522.00	8.74
22 11 19 00-0073	EA	>113 To 154 Fixture Unit Capacity, 1-1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-E)	635.92	10.84
22 11 19 00-0074	EA	>154 To 330 Fixture Unit Capacity, 2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-F)	723.21	11.76
22 11 19 00-0075		Wall Hydrants *(22 11 19)* Note: Female inlet connection, 3/4" hose thread outlet.		
22 11 19 00-0076		Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants *(22 11 19 00-0075)* Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0077	EA	6" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	465.30	20.33
		For Cast Bronze Box, Add	*23.04*	
		For 1" NPT Outlet, Add	*54.31*	
22 11 19 00-0078	EA	12" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	492.43	24.38
		For Cast Bronze Box, Add	*23.04*	
		For 1" NPT Outlet, Add	*54.31*	
22 11 19 00-0079	EA	18" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	509.08	29.35
		For Cast Bronze Box, Add	*23.04*	
		For 1" NPT Outlet, Add	*54.31*	
22 11 19 00-0080		Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants *(22 11 19 00-0075)* Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0081	EA	Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	481.99	34.14
		For Cast Bronze Box, Add	*23.04*	
		For 1" NPT Outlet, Add	*54.31*	
22 11 19 00-0082		Cast Bronze Non-Freezing Wall Hydrant *(22 11 19 00-0075)* Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0083	EA	3" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	265.95	25.20
		For 1" NPT Outlet, Add	*54.31*	
22 11 19 00-0084	EA	4" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	324.30	25.20
		For 1" NPT Outlet, Add	*54.31*	
22 11 19 00-0085	EA	6" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	324.30	25.20
		For 1" NPT Outlet, Add	*54.31*	
22 11 19 00-0086	EA	8" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	324.30	25.20
		For 1" NPT Outlet, Add	*54.31*	
22 11 19 00-0087	EA	10" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	337.87	50.81
		For 1" NPT Outlet, Add	*54.31*	
22 11 19 00-0088	EA	12" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	337.87	50.81
		For 1" NPT Outlet, Add	*54.31*	
22 11 19 00-0089	EA	18" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	378.49	50.81
		For 1" NPT Outlet, Add	*54.31*	
22 11 19 00-0090		Stainless Steel Box Type Wall Hydrants *(22 11 19 00-0075)* Note: With 3/4" NPT female and 3/4" NPT male inlet connection.		
22 11 19 00-0091	EA	Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8140)	238.91	20.33
22 11 19 00-0092	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8141)	259.27	20.33
22 11 19 00-0093	EA	Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8150)	262.04	20.33
22 11 19 00-0094	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8151)	292.58	20.33
22 11 19 00-0095	EA	Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8145) Note: Includes hot and cold hose connections.	408.82	28.45
22 11 19 00-0096	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8146) Note: Includes hot and cold hose connections.	420.85	28.45
22 11 19 00-0097	EA	Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8155) Note: Includes hot and cold hose connections.	420.85	28.45
22 11 19 00-0098	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8156) Note: Includes hot and cold hose connections.	449.53	28.45
22 11 19 00-0099		Washer Boxes And Dryer Outlets *(22 11 19)*		
22 11 19 00-0100		Dryer Vent Kit *(22 11 19 00-0099)* Note: Includes 4" flexible tubing plastic hood clamps and tailpipe.		
22 11 19 00-0101	EA	Dryer Vent Kit With Hood, 4" x 5' Flexible Vent And Clamps	57.73	10.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0102		**Washer Boxes And Dryer Vents** *(22 11 19 00-0099)* Note: Includes 1/2" supply valves and mounting brackets.		
22 11 19 00-0103	EA	2" Washing Machine Outlet Box, Plastic, Two 1/2" Supply Valves	187.66	16.26
22 11 19 00-0104		**Ice Maker Outlet Box** *(22 11 19)* Note: Includes one 1/2" quarter turn ball valve and connections wall mount.		
22 11 19 00-0105	EA	Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount	102.37	16.26
22 11 19 00-0106	EA	Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve With Water Hammer Arrestor, Wall Mount	127.09	16.26
22 11 19 00-0107	EA	Steel Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount	140.69	16.26
22 11 19 00-0108		**Tempering Controllers For Potable Hot Water** *(22 11 19)*		
22 11 19 00-0109		**Point-Of-Use Thermostatic Mixing Valves (Bradley)** *(22 11 19 00-0108)* Note: Point-of-Use Water Tempering Valves: ASSE 1016, or 1070, with piston-control mechanism, positive shutoff of hot water when cold water supply is lost, bronze body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner.		
22 11 19 00-0110	EA	1/2" Inlets, 1/2" Outlet Sink/Faucet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-2007)	258.84	19.68
22 11 19 00-0111	EA	1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4004)	133.78	19.68
22 11 19 00-0112	EA	1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4008)	143.71	19.68
22 11 19 00-0113	EA	3/4" Inlets, 3/4" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4016)	222.09	26.51
22 11 19 00-0114		**Thermostatic Mixing Valves (Bradley)** *(22 11 19 00-0108)* Note: Standard Thermostatic, Water Mixing Valves: ASSE 1017, liquid-filled motor and piston control mechanism with positive shutoff of hot water when coldwater supply is lost. Water flow is shut off in event of thermostat failure. Bronze valve body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner. Equipped with integral check stops and removable strainers.		
22 11 19 00-0115	EA	3/4" Inlets, 3/4" Outlet, 25 GPM Thermostatic Mixing Valve (Bradley S59-2025)	631.55	28.38
22 11 19 00-0116	EA	3/4" Inlets, 1" Outlet, 45 GPM Thermostatic Mixing Valve (Bradley S59-2045)	711.79	34.96
22 11 19 00-0117	EA	1" Inlets, 1-1/4" Outlet, 80 GPM Thermostatic Mixing Valve (Bradley S59-2080)	854.05	40.66
22 11 19 00-0118	EA	1-1/4" Inlets, 1-1/2" Outlet, 130 GPM Thermostatic Mixing Valve (Bradley S59-2130)	1,100.87	42.74
22 11 19 00-0119	EA	2" Inlets, 2" Outlet, 220 GPM Thermostatic Mixing Valve (Bradley S59-2200)	1,476.62	55.45
22 11 19 00-0120		**High Low Temperature Thermostatic Mixing Valves (Bradley)** *(22 11 19 00-0108)* Note: High Low Temperature Thermostatic Mixing Valves: ASSE 1017, liquid-filled thermal motor and piston control mechanism with positive shutoff of hot water when cold water supply is lost, and allowing restricted cold flow in event of loss or interruption of hot water supply. Flow is shut off in the event of thermostat failure. Equipped with integral check stops, thermometer, and removable strainers.		
22 11 19 00-0121	EA	3/4" Inlets, 1" Outlet, 45 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3045)	1,553.71	43.71
22 11 19 00-0122	EA	1" Inlets, 1-1/4" Outlet, 80 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3080)	2,013.09	50.83
22 11 19 00-0123	EA	1-1/4" Inlets, 1-1/2" Outlet, 130 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3130)	2,343.72	53.42
22 11 19 00-0124	EA	2" Inlets, 2" Outlet, 220 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3200)	2,603.66	69.31
22 11 19 00-0125		**Thermostatic Mixing Valves (Leonard)** *(22 11 19 00-0108)* Note: Thermostatic Water Mixing Valve with Integral combination checkstops with strainers, 125 PSI (8.6 BAR) maximum operating pressure, Copper encapsulated thermostatic assembly with Teflon coated brass shuttle, Locking temperature regulating handle, Top or bottom supply/outlet connections, Integral circulation port connection		
22 11 19 00-0126	EA	3/4" In x 3/4" Out Thermostatic Mixing Valve (Leonard LV-981-RF) Note: For hot water or two pipe low pressure steam.	582.88	28.38
22 11 19 00-0127	EA	1" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-982-RF) Note: For hot water or two pipe low pressure steam.	686.74	34.96
22 11 19 00-0128	EA	1-1/4" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-983-RF) Note: For hot water or two pipe low pressure steam.	843.29	40.66
22 11 19 00-0129	EA	1-1/4" In x 1-1/2" Out Thermostatic Mixing Valve (Leonard LV-984-RF) Note: For hot water or two pipe low pressure steam.	1,028.85	42.76
22 11 19 00-0130	EA	2" In x 2" Out Thermostatic Mixing Valve (Leonard LV-985-RF) Note: For hot water or two pipe low pressure steam.	1,525.96	55.45
22 11 19 00-0131		**Water Mixing/Self Operating Temperature Regulator** *(22 11 19 00-0108)* Note: Includes high rate spring, temperature adjustment screw, temperature dial and remote bulb with 8' capillary tube.		
22 11 19 00-0132	EA	3/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	1,259.03	40.64
22 11 19 00-0133	EA	1" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	1,347.70	51.22
22 11 19 00-0134	EA	1-1/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	1,494.35	61.79
22 11 19 00-0135	EA	1-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	1,653.41	72.35
22 11 19 00-0136	EA	2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	1,948.25	95.11
22 11 19 00-0137	EA	2-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	2,273.11	108.43
22 11 19 00-0138		**Backflow Preventer Valves** *(22 11 19)*		
22 11 19 00-0139		**Double Check Valve Backflow Preventer Assemblies** *(22 11 19 00-0138)*		
22 11 19 00-0140		**Threaded Double Check Valve Assemblies** *(22 11 19 00-0139)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0141		**Double Check Valve Assemblies With Quarter Turn Shut-Offs** *(22 11 19 00-0140)* Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and two epoxy coated bronze body check valves (Watts 007 QT or 719 QT series).		
22 11 19 00-0142	EA	1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	220.85	21.79
		For Work In Restricted Working Space, Add	*16.34*	
		For Owner Furnished Material, Deduct	*-166.38*	
22 11 19 00-0143	EA	3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	265.05	30.89
		For Work In Restricted Working Space, Add	*23.17*	
		For Owner Furnished Material, Deduct	*-187.82*	
22 11 19 00-0144	EA	1"Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	307.41	37.72
		For Work In Restricted Working Space, Add	*28.29*	
		For Owner Furnished Material, Deduct	*-213.10*	
22 11 19 00-0145	EA	1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	422.83	43.90
		For Work In Restricted Working Space, Add	*32.93*	
		For Owner Furnished Material, Deduct	*-313.08*	
22 11 19 00-0146	EA	1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	519.96	50.40
		For Work In Restricted Working Space, Add	*37.56*	
		For Owner Furnished Material, Deduct	*-394.77*	
22 11 19 00-0147	EA	2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	605.18	65.04
		For Work In Restricted Working Space, Add	*48.78*	
		For Owner Furnished Material, Deduct	*-442.59*	
22 11 19 00-0148		**Double Check Valve Assemblies With Quarter Turn Shut-Offs And Strainer** *(22 11 19 00-0140)* Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, two epoxy coated bronze body check valves, and bronze strainer (Watts 007 QT-S or 719 QT-S series).		
22 11 19 00-0149	EA	1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	268.45	21.79
		For Work In Restricted Working Space, Add	*16.34*	
		For Owner Furnished Material, Deduct	*-213.98*	
22 11 19 00-0150	EA	3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	334.78	30.89
		For Work In Restricted Working Space, Add	*23.17*	
		For Owner Furnished Material, Deduct	*-257.55*	
22 11 19 00-0151	EA	1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	392.89	37.72
		For Work In Restricted Working Space, Add	*28.29*	
		For Owner Furnished Material, Deduct	*-298.58*	
22 11 19 00-0152	EA	1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	544.63	43.90
		For Work In Restricted Working Space, Add	*32.93*	
		For Owner Furnished Material, Deduct	*-434.88*	
22 11 19 00-0153	EA	1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	663.42	50.40
		For Work In Restricted Working Space, Add	*37.56*	
		For Owner Furnished Material, Deduct	*-538.23*	
22 11 19 00-0154	EA	2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	803.24	65.04
		For Work In Restricted Working Space, Add	*48.78*	
		For Owner Furnished Material, Deduct	*-640.65*	
22 11 19 00-0155		**Flanged Double Check Valve Assemblies** *(22 11 19 00-0139)*		
22 11 19 00-0156		**Double Check Valve Assemblies With Non-Rising Stem Shut-Offs** *(22 11 19 00-0155)* Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts 007 NRS series).		
22 11 19 00-0157	EA	2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 007 NRS)	1,677.58	179.61
		For Work In Restricted Working Space, Add	*71.84*	
		For Owner Furnished Material, Deduct	*-1,438.10*	
22 11 19 00-0158	EA	3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 007 NRS)	1,845.15	202.06
		For Work In Restricted Working Space, Add	*79.70*	
		For Owner Furnished Material, Deduct	*-1,579.48*	
22 11 19 00-0159		**Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs** *(22 11 19 00-0155)* Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts 007 OSY series).		
22 11 19 00-0160	EA	2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 007 OSY)	1,823.76	179.61
		For Work In Restricted Working Space, Add	*71.84*	
		For Owner Furnished Material, Deduct	*-1,584.28*	
22 11 19 00-0161	EA	3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 007 OSY)	2,088.95	202.06
		For Work In Restricted Working Space, Add	*79.70*	
		For Owner Furnished Material, Deduct	*-1,823.28*	
22 11 19 00-0162		**Double Check Valve Assemblies With Non-Rising Stem Shut-Offs** *(22 11 19 00-0155)* Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts 709 NRS series).		
22 11 19 00-0163	EA	2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series)	2,068.76	179.61
		For Work In Restricted Working Space, Add	*71.84*	
		For Owner Furnished Material, Deduct	*-1,829.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0164	EA	3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series)	2,274.62	202.06
		For Work In Restricted Working Space, Add	*79.70*	
		For Owner Furnished Material, Deduct	*-2,008.94*	
22 11 19 00-0165	EA	4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series)	2,622.23	299.34
		For Work In Restricted Working Space, Add	*119.67*	
		For Owner Furnished Material, Deduct	*-2,223.32*	
22 11 19 00-0166	EA	6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series)	4,393.73	453.08
		For Work In Restricted Working Space, Add	*245.54*	
		For Owner Furnished Material, Deduct	*-3,575.26*	
22 11 19 00-0167	EA	8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series)	8,396.11	679.62
		For Work In Restricted Working Space, Add	*368.37*	
		For Owner Furnished Material, Deduct	*-7,168.21*	
22 11 19 00-0168	EA	10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series)	11,001.57	803.85
		For Work In Restricted Working Space, Add	*438.47*	
		For Owner Furnished Material, Deduct	*-9,540.02*	

22 11 19 00-0169 Double Check Valve Assemblies With Non-Rising Stem Shut-Offs And Strainer *(22 11 19 00-0155)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, two epoxy coated iron body check valves, and iron body strainer (Watts 709 NRS-S series).

22 11 19 00-0170	EA	2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series)	2,271.05	179.61
		For Work In Restricted Working Space, Add	*71.84*	
		For Owner Furnished Material, Deduct	*-2,031.59*	
22 11 19 00-0171	EA	3" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series)	2,516.64	202.06
		For Work In Restricted Working Space, Add	*79.70*	
		For Owner Furnished Material, Deduct	*-2,250.97*	
22 11 19 00-0172	EA	4" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series)	3,160.35	299.34
		For Work In Restricted Working Space, Add	*119.66*	
		For Owner Furnished Material, Deduct	*-2,761.48*	
22 11 19 00-0173	EA	6" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series)	5,414.85	453.08
		For Work In Restricted Working Space, Add	*245.54*	
		For Owner Furnished Material, Deduct	*-4,596.38*	
22 11 19 00-0174	EA	8" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series)	10,116.21	679.62
		For Work In Restricted Working Space, Add	*368.31*	
		For Owner Furnished Material, Deduct	*-8,888.50*	
22 11 19 00-0175	EA	10" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series)	11,001.57	803.85
		For Work In Restricted Working Space, Add	*438.47*	
		For Owner Furnished Material, Deduct	*-9,540.02*	

22 11 19 00-0176 Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0155)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts 709 OSY series).

22 11 19 00-0177	EA	2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series)	2,195.89	179.61
		For Work In Restricted Working Space, Add	*71.84*	
		For Owner Furnished Material, Deduct	*-1,956.43*	
22 11 19 00-0178	EA	3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series)	2,505.82	202.06
		For Work In Restricted Working Space, Add	*79.70*	
		For Owner Furnished Material, Deduct	*-2,240.15*	
22 11 19 00-0179	EA	4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series)	2,891.62	299.34
		For Work In Restricted Working Space, Add	*119.66*	
		For Owner Furnished Material, Deduct	*-2,492.75*	
22 11 19 00-0180	EA	6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series)	4,716.19	453.08
		For Work In Restricted Working Space, Add	*245.54*	
		For Owner Furnished Material, Deduct	*-3,897.72*	
22 11 19 00-0181	EA	8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series)	8,933.91	679.62
		For Work In Restricted Working Space, Add	*368.31*	
		For Owner Furnished Material, Deduct	*-7,706.20*	
22 11 19 00-0182	EA	10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series)	12,076.46	803.85
		For Work In Restricted Working Space, Add	*438.47*	
		For Owner Furnished Material, Deduct	*-10,614.91*	

22 11 19 00-0183 Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0155)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 OSY series).

22 11 19 00-0184	EA	2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series)	1,892.47	179.61
		For Work In Restricted Working Space, Add	*71.84*	
		For Owner Furnished Material, Deduct	*-1,653.01*	
22 11 19 00-0185	EA	3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series)	2,084.08	202.06
		For Work In Restricted Working Space, Add	*79.70*	
		For Owner Furnished Material, Deduct	*-1,818.41*	
22 11 19 00-0186	EA	4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series)	2,382.68	299.34
		For Work In Restricted Working Space, Add	*119.66*	
		For Owner Furnished Material, Deduct	*-1,983.81*	
22 11 19 00-0187	EA	6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series)	3,920.43	453.08
		For Work In Restricted Working Space, Add	*245.54*	
		For Owner Furnished Material, Deduct	*-3,101.96*	
22 11 19 00-0188	EA	8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series)	7,360.55	679.62
		For Work In Restricted Working Space, Add	*368.31*	
		For Owner Furnished Material, Deduct	*-6,132.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0189	EA	10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series)	8,024.12	803.85
		For Work In Restricted Working Space, Add	*438.47*	
		For Owner Furnished Material, Deduct	*-6,562.57*	

22 11 19 00-0190 N-Pattern Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0155)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N OSY series).

22 11 19 00-0191	EA	2-1/2" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series)	2,479.00	179.61
		For Work In Restricted Working Space, Add	*71.84*	
		For Owner Furnished Material, Deduct	*-2,239.54*	
22 11 19 00-0192	EA	3" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series)	2,670.61	202.06
		For Work In Restricted Working Space, Add	*79.70*	
		For Owner Furnished Material, Deduct	*-2,404.94*	
22 11 19 00-0193	EA	4" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757 OSY series)	3,362.78	299.34
		For Work In Restricted Working Space, Add	*119.66*	
		For Owner Furnished Material, Deduct	*-2,963.91*	
22 11 19 00-0194	EA	6" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series)	5,561.17	453.08
		For Work In Restricted Working Space, Add	*245.54*	
		For Owner Furnished Material, Deduct	*-4,742.70*	
22 11 19 00-0195	EA	8" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series)	9,792.29	679.62
		For Work In Restricted Working Space, Add	*368.31*	
		For Owner Furnished Material, Deduct	*-8,564.58*	
22 11 19 00-0196	EA	10" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series)	11,652.89	803.85
		For Work In Restricted Working Space, Add	*438.47*	
		For Owner Furnished Material, Deduct	*-10,191.34*	

22 11 19 00-0197 Double Check Valve Assemblies With Non-Rising Stem Shut-Off Valves *(22 11 19 00-0155)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 NRS series).

22 11 19 00-0198	EA	2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	1,775.82	179.61
		For Work In Restricted Working Space, Add	*71.84*	
		For Owner Furnished Material, Deduct	*-1,536.36*	
22 11 19 00-0199	EA	3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	1,972.73	202.06
		For Work In Restricted Working Space, Add	*79.70*	
		For Owner Furnished Material, Deduct	*-1,707.06*	
22 11 19 00-0200	EA	4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	2,276.56	299.34
		For Work In Restricted Working Space, Add	*119.66*	
		For Owner Furnished Material, Deduct	*-1,877.69*	
22 11 19 00-0201	EA	6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	3,837.07	453.08
		For Work In Restricted Working Space, Add	*245.54*	
		For Owner Furnished Material, Deduct	*-3,018.60*	
22 11 19 00-0202	EA	8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	7,280.22	679.62
		For Work In Restricted Working Space, Add	*368.31*	
		For Owner Furnished Material, Deduct	*-6,052.51*	
22 11 19 00-0203	EA	10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	8,248.43	803.85
		For Work In Restricted Working Space, Add	*438.47*	
		For Owner Furnished Material, Deduct	*-6,786.88*	

22 11 19 00-0204 N-Pattern Double Check Valve Assemblies With Non-Rising Stem Shut-Offs *(22 11 19 00-0155)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N NRS series).

22 11 19 00-0205	EA	2-1/2" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	2,313.16	179.61
		For Work In Restricted Working Space, Add	*71.84*	
		For Owner Furnished Material, Deduct	*-2,073.70*	
22 11 19 00-0206	EA	3" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	2,504.77	202.06
		For Work In Restricted Working Space, Add	*79.70*	
		For Owner Furnished Material, Deduct	*-2,239.10*	
22 11 19 00-0207	EA	4" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	3,197.15	299.34
		For Work In Restricted Working Space, Add	*119.66*	
		For Owner Furnished Material, Deduct	*-2,798.28*	
22 11 19 00-0208	EA	6" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	5,384.75	453.08
		For Work In Restricted Working Space, Add	*245.54*	
		For Owner Furnished Material, Deduct	*-4,566.28*	
22 11 19 00-0209	EA	8" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	9,525.26	679.62
		For Work In Restricted Working Space, Add	*368.31*	
		For Owner Furnished Material, Deduct	*-8,297.55*	
22 11 19 00-0210	EA	10" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	11,385.08	803.85
		For Work In Restricted Working Space, Add	*438.47*	
		For Owner Furnished Material, Deduct	*-9,923.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0211		**Double Check Valve Assemblies With Butterfly Shut-Off Valves** *(22 11 19 00-0155)* Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757 BFG series).		
22 11 19 00-0212	EA	2-1/2" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	2,051.72	179.61
		For Work In Restricted Working Space, Add	*71.84*	
		For Owner Furnished Material, Deduct	*-1,812.26*	
22 11 19 00-0213	EA	3" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	2,243.32	202.06
		For Work In Restricted Working Space, Add	*79.70*	
		For Owner Furnished Material, Deduct	*-1,977.65*	
22 11 19 00-0214	EA	4" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	2,541.92	299.34
		For Work In Restricted Working Space, Add	*119.66*	
		For Owner Furnished Material, Deduct	*-2,143.05*	
22 11 19 00-0215	EA	6" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	4,083.69	453.08
		For Work In Restricted Working Space, Add	*245.54*	
		For Owner Furnished Material, Deduct	*-3,265.22*	
22 11 19 00-0216	EA	8" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	7,523.80	679.62
		For Work In Restricted Working Space, Add	*368.31*	
		For Owner Furnished Material, Deduct	*-6,296.09*	
22 11 19 00-0217		**N-Pattern Double Check Valve Assemblies With Butterfly Shut-Offs** *(22 11 19 00-0155)* Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757N BFG series).		
22 11 19 00-0218	EA	2-1/2" N-Pattern Flanged Double Check Assembly With Butterfly Valves (Watts 757 BFG series)	2,638.24	179.61
		For Work In Restricted Working Space, Add	*71.84*	
		For Owner Furnished Material, Deduct	*-2,398.78*	
22 11 19 00-0219	EA	3" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	2,829.85	202.06
		For Work In Restricted Working Space, Add	*79.70*	
		For Owner Furnished Material, Deduct	*-2,564.18*	
22 11 19 00-0220	EA	4" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	3,522.02	299.34
		For Work In Restricted Working Space, Add	*119.66*	
		For Owner Furnished Material, Deduct	*-3,123.15*	
22 11 19 00-0221	EA	6" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	5,724.46	453.08
		For Work In Restricted Working Space, Add	*245.54*	
		For Owner Furnished Material, Deduct	*-4,905.99*	
22 11 19 00-0222	EA	8" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	7,523.80	679.62
		For Work In Restricted Working Space, Add	*368.31*	
		For Owner Furnished Material, Deduct	*-6,296.09*	
22 11 19 00-0223		**Grooved Double Check Valve Assemblies** *(22 11 19 00-0139)*		
22 11 19 00-0224		**Double Check Valve Assemblies With Quarter Turn Shut-Offs** *(22 11 19 00-0223)* Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757 QT series).		
22 11 19 00-0225	EA	2-1/2" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series)	1,775.82	95.79
		For Work In Restricted Working Space, Add	*71.84*	
		For Owner Furnished Material, Deduct	*-1,536.36*	
22 11 19 00-0226	EA	3" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series)	1,972.73	106.27
		For Work In Restricted Working Space, Add	*79.70*	
		For Owner Furnished Material, Deduct	*-1,707.06*	
22 11 19 00-0227		**N-Patten Double Check Valve Assemblies With Quarter Turn Shut-Offs** *(22 11 19 00-0223)* Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757N QT series).		
22 11 19 00-0228	EA	2-1/2" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series)	2,313.16	95.79
		For Work In Restricted Working Space, Add	*71.84*	
		For Owner Furnished Material, Deduct	*-2,073.70*	
22 11 19 00-0229	EA	3" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series)	2,504.77	106.27
		For Work In Restricted Working Space, Add	*79.70*	
		For Owner Furnished Material, Deduct	*-2,239.10*	
22 11 19 00-0230		**Reduced Pressure Zone Backflow Preventer Assemblies** *(22 11 19 00-0138)*		
22 11 19 00-0231		**Threaded Reduced Pressure Zone Assemblies** *(22 11 19 00-0230)*		
22 11 19 00-0232		**Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs** *(22 11 19 00-0231)* Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
22 11 19 00-0233	EA	1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	240.66	18.86
		For Work In Restricted Working Space, Add	*14.15*	
		For Owner Furnished Material, Deduct	*-193.51*	
22 11 19 00-0234	EA	3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	254.93	20.81
		For Work In Restricted Working Space, Add	*15.61*	
		For Owner Furnished Material, Deduct	*-202.90*	
22 11 19 00-0235	EA	1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	294.83	21.79
		For Work In Restricted Working Space, Add	*16.34*	
		For Owner Furnished Material, Deduct	*-240.36*	
22 11 19 00-0236	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series)	397.34	30.89
		For Work In Restricted Working Space, Add	*23.17*	
		For Owner Furnished Material, Deduct	*-320.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0237	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	472.35	37.72
		For Work In Restricted Working Space, Add	*28.29*	
		For Owner Furnished Material, Deduct	*-378.04*	
22 11 19 00-0238	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	702.79	43.90
		For Work In Restricted Working Space, Add	*32.93*	
		For Owner Furnished Material, Deduct	*-593.04*	
22 11 19 00-0239	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	746.12	50.40
		For Work In Restricted Working Space, Add	*37.56*	
		For Owner Furnished Material, Deduct	*-620.93*	
22 11 19 00-0240	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	899.42	65.04
		For Work In Restricted Working Space, Add	*48.78*	
		For Owner Furnished Material, Deduct	*-736.83*	

22 11 19 00-0241 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer *(22 11 19 00-0231)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 009 QT-S series).

22 11 19 00-0242	EA	1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	264.08	18.86
		For Work In Restricted Working Space, Add	*14.15*	
		For Owner Furnished Material, Deduct	*-216.93*	
22 11 19 00-0243	EA	3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	279.62	20.81
		For Work In Restricted Working Space, Add	*15.61*	
		For Owner Furnished Material, Deduct	*-227.59*	
22 11 19 00-0244	EA	1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	328.66	30.89
		For Work In Restricted Working Space, Add	*16.34*	
		For Owner Furnished Material, Deduct	*-274.19*	
22 11 19 00-0245	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	450.51	30.89
		For Work In Restricted Working Space, Add	*23.17*	
		For Owner Furnished Material, Deduct	*-373.28*	
22 11 19 00-0246	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	538.84	37.72
		For Work In Restricted Working Space, Add	*28.29*	
		For Owner Furnished Material, Deduct	*-444.53*	
22 11 19 00-0247	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	793.46	43.90
		For Work In Restricted Working Space, Add	*32.93*	
		For Owner Furnished Material, Deduct	*-683.71*	
22 11 19 00-0248	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	874.07	50.40
		For Work In Restricted Working Space, Add	*37.56*	
		For Owner Furnished Material, Deduct	*-748.88*	
22 11 19 00-0249	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	1,056.40	65.04
		For Work In Restricted Working Space, Add	*48.78*	
		For Owner Furnished Material, Deduct	*-893.81*	

22 11 19 00-0250 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0231)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 919 QT series).

22 11 19 00-0251	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	397.34	30.89
		For Work In Restricted Working Space, Add	*23.17*	
		For Owner Furnished Material, Deduct	*-320.11*	
22 11 19 00-0252	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	472.35	37.72
		For Work In Restricted Working Space, Add	*28.29*	
		For Owner Furnished Material, Deduct	*-378.04*	
22 11 19 00-0253	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	702.79	43.90
		For Work In Restricted Working Space, Add	*32.93*	
		For Owner Furnished Material, Deduct	*-593.04*	
22 11 19 00-0254	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	746.12	50.40
		For Work In Restricted Working Space, Add	*37.56*	
		For Owner Furnished Material, Deduct	*-620.93*	
22 11 19 00-0255	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	899.42	65.04
		For Work In Restricted Working Space, Add	*48.78*	
		For Owner Furnished Material, Deduct	*-736.83*	

22 11 19 00-0256 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer *(22 11 19 00-0231)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 919 QT-S series).

22 11 19 00-0257	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	450.51	30.89
		For Work In Restricted Working Space, Add	*23.17*	
		For Owner Furnished Material, Deduct	*-373.28*	
22 11 19 00-0258	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	538.84	37.72
		For Work In Restricted Working Space, Add	*28.29*	
		For Owner Furnished Material, Deduct	*-444.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0259	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	793.46	43.90
		For Work In Restricted Working Space, Add	*32.93*	
		For Owner Furnished Material, Deduct	*-683.71*	
22 11 19 00-0260	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	874.07	50.40
		For Work In Restricted Working Space, Add	*37.56*	
		For Owner Furnished Material, Deduct	*-748.88*	
22 11 19 00-0261	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	1,056.40	65.04
		For Work In Restricted Working Space, Add	*48.78*	
		For Owner Furnished Material, Deduct	*-893.81*	

22 11 19 00-0262 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0231)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 909 QT series).

22 11 19 00-0263	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909QT)	581.33	30.89
		For Work In Restricted Working Space, Add	*23.17*	
		For Owner Furnished Material, Deduct	*-504.10*	
22 11 19 00-0264	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909QT)	689.25	37.72
		For Work In Restricted Working Space, Add	*28.29*	
		For Owner Furnished Material, Deduct	*-594.94*	
22 11 19 00-0265	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT)	1,043.50	43.90
		For Work In Restricted Working Space, Add	*32.93*	
		For Owner Furnished Material, Deduct	*-933.75*	
22 11 19 00-0266	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT)	1,132.08	50.40
		For Work In Restricted Working Space, Add	*37.56*	
		For Owner Furnished Material, Deduct	*-1,006.89*	
22 11 19 00-0267	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT)	1,322.21	65.04
		For Work In Restricted Working Space, Add	*48.78*	
		For Owner Furnished Material, Deduct	*-1,159.62*	

22 11 19 00-0268 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer *(22 11 19 00-0231)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 909 QT-S series).

22 11 19 00-0269	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 909QT-S)	652.95	30.89
		For Work In Restricted Working Space, Add	*23.17*	
		For Owner Furnished Material, Deduct	*-575.72*	
22 11 19 00-0270	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 909QT-S)	778.10	37.72
		For Work In Restricted Working Space, Add	*28.29*	
		For Owner Furnished Material, Deduct	*-683.79*	
22 11 19 00-0271	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 909M1QT-S)	1,166.91	43.90
		For Work In Restricted Working Space, Add	*32.93*	
		For Owner Furnished Material, Deduct	*-1,057.16*	
22 11 19 00-0272	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 909M1QT-S)	1,277.86	50.40
		For Work In Restricted Working Space, Add	*37.56*	
		For Owner Furnished Material, Deduct	*-1,152.67*	
22 11 19 00-0273	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 909M1QT-S)	1,527.22	65.04
		For Work In Restricted Working Space, Add	*48.78*	
		For Owner Furnished Material, Deduct	*-1,364.63*	

22 11 19 00-0274 Flanged Reduced Pressure Zone Assemblies *(22 11 19 00-0230)*

22 11 19 00-0275 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs *(22 11 19 00-0274)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts 009 NRS series).

22 11 19 00-0276	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 009 NRS series)	1,999.43	179.61
		For Work In Restricted Working Space, Add	*71.84*	
		For Owner Furnished Material, Deduct	*-1,759.95*	
22 11 19 00-0277	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 009 NRS series)	2,250.77	202.06
		For Work In Restricted Working Space, Add	*79.70*	
		For Owner Furnished Material, Deduct	*-1,985.10*	

22 11 19 00-0278 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Strainer *(22 11 19 00-0274)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts 009 NRS-S series).

22 11 19 00-0279	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 009 NRS-S series)	2,219.99	179.61
		For Work In Restricted Working Space, Add	*71.84*	
		For Owner Furnished Material, Deduct	*-1,980.51*	
22 11 19 00-0280	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 009 NRS-S series)	2,509.90	202.06
		For Work In Restricted Working Space, Add	*79.70*	
		For Owner Furnished Material, Deduct	*-2,244.23*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0281		**Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs** *(22 11 19 00-0274)* Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts 009 OSY series).		
22 11 19 00-0282	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 009 OSY series)	2,137.21	179.61
		For Work In Restricted Working Space, Add	*71.84*	
		For Owner Furnished Material, Deduct	*-1,897.73*	
22 11 19 00-0283	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 009 OSY series)	2,480.55	202.06
		For Work In Restricted Working Space, Add	*79.70*	
		For Owner Furnished Material, Deduct	*-2,214.88*	
22 11 19 00-0284		**Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs** *(22 11 19 00-0274)* Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and captured spring assemblies (Watts 009 QT-FDA series).		
22 11 19 00-0285	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts 009 QT-FDA series)	2,510.62	179.61
		For Work In Restricted Working Space, Add	*71.84*	
		For Owner Furnished Material, Deduct	*-2,271.14*	
22 11 19 00-0286	EA	3" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts 009 QT-FDA series)	2,868.89	202.06
		For Work In Restricted Working Space, Add	*79.70*	
		For Owner Furnished Material, Deduct	*-2,603.22*	
22 11 19 00-0287		**Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs** *(22 11 19 00-0274)* Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and captured spring assemblies (Watts FAE 909 QT series).		
22 11 19 00-0288	EA	1-1/4" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts FAE 909 QT series)	961.76	112.25
		For Work In Restricted Working Space, Add	*44.90*	
		For Owner Furnished Material, Deduct	*-812.09*	
22 11 19 00-0289	EA	1-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts FAE 909 QT series)	1,068.32	130.97
		For Work In Restricted Working Space, Add	*52.76*	
		For Owner Furnished Material, Deduct	*-892.46*	
22 11 19 00-0290	EA	2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts FAE 909 QT series)	1,264.33	153.42
		For Work In Restricted Working Space, Add	*61.74*	
		For Owner Furnished Material, Deduct	*-1,058.53*	
22 11 19 00-0291		**Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer** *(22 11 19 00-0274)* Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, iron body strainers, and captured spring assemblies (Watts FAE 909 QT-S series).		
22 11 19 00-0292	EA	1-1/4" Flanged Reduced Pressure Zone Assembly With QT Shut-offs And Strainer (Watts FAE 909 QT-S series)	1,044.20	112.25
		For Work In Restricted Working Space, Add	*44.90*	
		For Owner Furnished Material, Deduct	*-894.53*	
22 11 19 00-0293	EA	1-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs And Strainer (Watts FAE 909 QT-S series)	1,333.43	130.97
		For Work In Restricted Working Space, Add	*52.76*	
		For Owner Furnished Material, Deduct	*-1,157.57*	
22 11 19 00-0294	EA	2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs And Strainer (Watts FAE 909 QT-S series)	1,407.45	153.42
		For Work In Restricted Working Space, Add	*61.74*	
		For Owner Furnished Material, Deduct	*-1,201.65*	
22 11 19 00-0295		**Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs** *(22 11 19 00-0274)* Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts 909 NRS series).		
22 11 19 00-0296	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS series)	2,489.64	179.61
		For Work In Restricted Working Space, Add	*71.84*	
		For Owner Furnished Material, Deduct	*-2,250.18*	
22 11 19 00-0297	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS series)	2,806.63	202.06
		For Work In Restricted Working Space, Add	*79.70*	
		For Owner Furnished Material, Deduct	*-2,540.95*	
22 11 19 00-0298	EA	4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS series)	3,485.50	299.34
		For Work In Restricted Working Space, Add	*119.67*	
		For Owner Furnished Material, Deduct	*-3,086.59*	
22 11 19 00-0299	EA	6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS series)	6,060.89	453.08
		For Work In Restricted Working Space, Add	*343.78*	
		For Owner Furnished Material, Deduct	*-4,914.97*	
22 11 19 00-0300	EA	8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909M1 NRS series)	10,326.53	679.62
		For Work In Restricted Working Space, Add	*515.67*	
		For Owner Furnished Material, Deduct	*-8,607.64*	
22 11 19 00-0301	EA	10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909M1 NRS series)	12,901.88	803.85
		For Work In Restricted Working Space, Add	*438.47*	
		For Owner Furnished Material, Deduct	*-11,440.33*	
22 11 19 00-0302		**Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Strainer** *(22 11 19 00-0274)* Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts 909 NRS-S series).		

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22 11 19 00-0303	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series)	2,692.45	179.61
		For Work In Restricted Working Space, Add	*71.84*	
		For Owner Furnished Material, Deduct	*-2,452.99*	
22 11 19 00-0304	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series)	3,045.61	202.06
		For Work In Restricted Working Space, Add	*79.70*	
		For Owner Furnished Material, Deduct	*-2,779.94*	
22 11 19 00-0305	EA	4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series)	3,946.21	299.34
		For Work In Restricted Working Space, Add	*119.66*	
		For Owner Furnished Material, Deduct	*-3,547.34*	
22 11 19 00-0306	EA	6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series)	6,609.12	453.08
		For Work In Restricted Working Space, Add	*245.54*	
		For Owner Furnished Material, Deduct	*-5,790.65*	
22 11 19 00-0307	EA	8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series)	11,309.05	679.62
		For Work In Restricted Working Space, Add	*368.31*	
		For Owner Furnished Material, Deduct	*-10,081.34*	
22 11 19 00-0308	EA	10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series)	15,435.17	803.85
		For Work In Restricted Working Space, Add	*438.47*	
		For Owner Furnished Material, Deduct	*-13,973.62*	

22 11 19 00-0309 Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0274)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts 909 OSY series).

22 11 19 00-0310	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series)	2,573.18	179.61
		For Work In Restricted Working Space, Add	*71.84*	
		For Owner Furnished Material, Deduct	*-2,333.72*	
22 11 19 00-0311	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series)	2,981.00	202.06
		For Work In Restricted Working Space, Add	*79.70*	
		For Owner Furnished Material, Deduct	*-2,715.32*	
22 11 19 00-0312	EA	4" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series)	3,584.44	299.34
		For Work In Restricted Working Space, Add	*119.67*	
		For Owner Furnished Material, Deduct	*-3,185.53*	
22 11 19 00-0313	EA	6" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series)	5,888.53	453.08
		For Work In Restricted Working Space, Add	*245.54*	
		For Owner Furnished Material, Deduct	*-5,070.06*	
22 11 19 00-0314	EA	8" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series)	10,081.55	679.62
		For Work In Restricted Working Space, Add	*368.31*	
		For Owner Furnished Material, Deduct	*-8,853.84*	
22 11 19 00-0315	EA	10" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series)	14,167.54	803.85
		For Work In Restricted Working Space, Add	*438.47*	
		For Owner Furnished Material, Deduct	*-12,705.99*	

22 11 19 00-0316 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs *(22 11 19 00-0274)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated bronze body gate valves, and captured spring assemblies (Watts 909 NRS BB series).

22 11 19 00-0317	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS BB series)	4,173.29	179.61
		For Work In Restricted Working Space, Add	*71.84*	
		For Owner Furnished Material, Deduct	*-3,933.81*	
22 11 19 00-0318	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS BB series)	4,707.78	202.06
		For Work In Restricted Working Space, Add	*79.70*	
		For Owner Furnished Material, Deduct	*-4,442.11*	

22 11 19 00-0319 Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0274)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated bronze body gate valves, and captured spring assemblies (Watts 909 OSY BB series).

22 11 19 00-0320	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY BB series)	4,361.75	179.61
		For Work In Restricted Working Space, Add	*71.84*	
		For Owner Furnished Material, Deduct	*-4,122.27*	
22 11 19 00-0321	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY BB series)	5,062.04	202.06
		For Work In Restricted Working Space, Add	*79.70*	
		For Owner Furnished Material, Deduct	*-4,796.37*	

22 11 19 00-0322 Double Check Detector Assemblies *(22 11 19 00-0138)*

22 11 19 00-0323 Flanged Double Check Detector Assemblies With Meter *(22 11 19 00-0322)*

22 11 19 00-0324 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter *(22 11 19 00-0323)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, two epoxy coated iron body check valves, and meter (Watts 709 DCDA OSY series).

22 11 19 00-0325	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	3,682.47	202.06
		For Work In Restricted Working Space, Add	*79.70*	
		For Owner Furnished Material, Deduct	*-3,416.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0326	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	3,894.95	299.34
		For Work In Restricted Working Space, Add	*119.66*	
		For Owner Furnished Material, Deduct	*-3,496.08*	
22 11 19 00-0327	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	5,358.26	453.08
		For Work In Restricted Working Space, Add	*245.54*	
		For Owner Furnished Material, Deduct	*-4,539.79*	
22 11 19 00-0328	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	9,433.64	679.62
		For Work In Restricted Working Space, Add	*368.31*	
		For Owner Furnished Material, Deduct	*-8,205.93*	
22 11 19 00-0329	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	12,676.28	803.85
		For Work In Restricted Working Space, Add	*438.47*	
		For Owner Furnished Material, Deduct	*-11,214.73*	

22 11 19 00-0330 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter *(22 11 19 00-0323)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA OSY series).

22 11 19 00-0331	EA	2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	2,770.77	179.61
		For Work In Restricted Working Space, Add	*71.84*	
		For Owner Furnished Material, Deduct	*-2,531.29*	
22 11 19 00-0332	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	2,962.18	202.06
		For Work In Restricted Working Space, Add	*79.70*	
		For Owner Furnished Material, Deduct	*-2,696.51*	
22 11 19 00-0333	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	3,264.69	299.34
		For Work In Restricted Working Space, Add	*119.66*	
		For Owner Furnished Material, Deduct	*-2,865.82*	
22 11 19 00-0334	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	4,539.71	453.08
		For Work In Restricted Working Space, Add	*245.54*	
		For Owner Furnished Material, Deduct	*-3,721.24*	
22 11 19 00-0335	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	7,954.18	679.62
		For Work In Restricted Working Space, Add	*368.31*	
		For Owner Furnished Material, Deduct	*-6,726.47*	
22 11 19 00-0336	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	9,384.44	803.85
		For Work In Restricted Working Space, Add	*438.47*	
		For Owner Furnished Material, Deduct	*-7,922.89*	

22 11 19 00-0337 Double Check Detector Assembly With Butterfly Valves And Meter *(22 11 19 00-0323)*

Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA BFG series).

22 11 19 00-0338	EA	2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	2,930.04	179.61
		For Work In Restricted Working Space, Add	*71.84*	
		For Owner Furnished Material, Deduct	*-2,690.56*	
22 11 19 00-0339	EA	3" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	3,121.46	202.06
		For Work In Restricted Working Space, Add	*79.70*	
		For Owner Furnished Material, Deduct	*-2,855.79*	
22 11 19 00-0340	EA	4" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	3,423.93	299.34
		For Work In Restricted Working Space, Add	*119.66*	
		For Owner Furnished Material, Deduct	*-3,025.06*	
22 11 19 00-0341	EA	6" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	4,702.96	453.08
		For Work In Restricted Working Space, Add	*245.54*	
		For Owner Furnished Material, Deduct	*-3,884.49*	
22 11 19 00-0342	EA	8" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	7,758.31	679.62
		For Work In Restricted Working Space, Add	*368.31*	
		For Owner Furnished Material, Deduct	*-6,530.60*	

22 11 19 00-0343 Flanged Double Check Detector Assemblies Without Meter *(22 11 19 00-0322)*

22 11 19 00-0344 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs Less Meter *(22 11 19 00-0343)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA OSY LM series).

22 11 19 00-0345	EA	2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	2,720.48	179.61
		For Work In Restricted Working Space, Add	*71.84*	
22 11 19 00-0346	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	2,911.92	202.06
		For Work In Restricted Working Space, Add	*79.70*	
22 11 19 00-0347	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	3,214.42	299.34
		For Work In Restricted Working Space, Add	*119.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0348	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	4,489.44	453.08
		For Work In Restricted Working Space, Add	*245.54*	
22 11 19 00-0349	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	7,903.95	679.62
		For Work In Restricted Working Space, Add	*368.31*	
22 11 19 00-0350	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	9,334.13	803.85
		For Work In Restricted Working Space, Add	*438.47*	

22 11 19 00-0351 Double Check Detector Assembly With Butterfly Valves Less Meter *(22 11 19 00-0343)*

Note: Includes ball type test cocks, two butterfly resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA BFG LM series).

22 11 19 00-0352	EA	2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	2,879.74	179.61
		For Work In Restricted Working Space, Add	*71.84*	
22 11 19 00-0353	EA	3" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	3,071.16	202.06
		For Work In Restricted Working Space, Add	*79.70*	
22 11 19 00-0354	EA	4" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	3,373.66	299.34
		For Work In Restricted Working Space, Add	*119.66*	
22 11 19 00-0355	EA	6" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	4,652.66	453.08
		For Work In Restricted Working Space, Add	*245.54*	
22 11 19 00-0356	EA	8" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	8,067.20	679.62
		For Work In Restricted Working Space, Add	*368.31*	

22 11 19 00-0357 Flanged Double Check Detector Assemblies *(22 11 19 00-0322)*

22 11 19 00-0358 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0357)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 774 DCDA OSY series).

22 11 19 00-0359	EA	2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series)	2,629.48	179.61
		For Work In Restricted Working Space, Add	*71.84*	
		For Owner Furnished Material, Deduct	*-2,390.00*	
22 11 19 00-0360	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series)	3,175.09	202.06
		For Work In Restricted Working Space, Add	*79.70*	
		For Owner Furnished Material, Deduct	*-2,909.42*	
22 11 19 00-0361	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series)	3,555.32	299.34
		For Work In Restricted Working Space, Add	*119.66*	
		For Owner Furnished Material, Deduct	*-3,156.45*	
22 11 19 00-0362	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series)	4,596.30	453.08
		For Work In Restricted Working Space, Add	*245.54*	
		For Owner Furnished Material, Deduct	*-3,777.83*	
22 11 19 00-0363	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series)	8,056.52	679.62
		For Work In Restricted Working Space, Add	*368.31*	
		For Owner Furnished Material, Deduct	*-6,828.81*	
22 11 19 00-0364	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series)	10,794.17	803.85
		For Work In Restricted Working Space, Add	*438.47*	
		For Owner Furnished Material, Deduct	*-9,332.62*	
22 11 19 00-0365	EA	12" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series)	14,338.25	964.62
		For Work In Restricted Working Space, Add	*526.16*	
		For Owner Furnished Material, Deduct	*-12,584.40*	

22 11 19 00-0366 Backflow Preventer Accessories *(22 11 19 00-0138)*

22 11 19 00-0367 Air Gap *(22 11 19 00-0366)*

22 11 19 00-0368	EA	Up To 1" Diameter Air Gap For Backflow Preventer	64.60	10.16
22 11 19 00-0369	EA	1-1/4" To 2" Diameter Air Gap For Backflow Preventer	79.27	12.19
22 11 19 00-0370	EA	2-1/2" To 3" Diameter Air Gap For Backflow Preventer	144.25	16.26
22 11 19 00-0371	EA	4" To 6" Diameter Air Gap For Backflow Preventer	282.75	28.45
22 11 19 00-0372	EA	8" To 10" Diameter Air Gap For Backflow Preventer	307.15	40.64

22 11 19 00-0373 Brass Test Cocks *(22 11 19 00-0366)*

22 11 19 00-0374	EA	1/8" Or 1/4" Brass Test Cock	21.26	4.07

22 11 19 00-0375 Backflow Valve Enclosures *(22 11 19 00-0138)*

22 11 19 00-0376 Flip-Top, Insulated Fiberglass Valve Enclosures *(22 11 19 00-0375)*

Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.

22 11 19 00-0377	EA	19" Length x 11" Width x 22" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	615.81	73.16
		For Heated Enclosure, Add	*74.08*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0378	EA	27" Length x 13" Width x 23" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	754.00	73.16
		For Heated Enclosure, Add	*94.81*	
22 11 19 00-0379	EA	27" Length x 13" Width x 35" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	950.99	67.36
		For Heated Enclosure, Add	*125.81*	
22 11 19 00-0380	EA	33" Length x 21" Width x 25" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	992.02	89.80
		For Heated Enclosure, Add	*126.35*	
22 11 19 00-0381	EA	39" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,038.88	89.80
		For Heated Enclosure, Add	*133.38*	
22 11 19 00-0382	EA	47" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,221.53	89.80
		For Heated Enclosure, Add	*160.78*	
22 11 19 00-0383	EA	39" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,226.34	89.80
		For Heated Enclosure, Add	*161.50*	
22 11 19 00-0384	EA	47" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,537.56	89.80
		For Heated Enclosure, Add	*208.18*	
22 11 19 00-0385	EA	70" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	3,527.82	134.70
		For Heated Enclosure, Add	*495.50*	
22 11 19 00-0386	EA	83" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	5,098.36	134.70
		For Heated Enclosure, Add	*731.08*	
22 11 19 00-0387	EA	70" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	4,846.02	134.70
		For Heated Enclosure, Add	*693.23*	
22 11 19 00-0388	EA	83" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	5,833.92	157.15
		For Heated Enclosure, Add	*835.80*	

22 11 19 00-0389 One-Piece Drop Over, Insulated Fiberglass Valve Enclosures *(22 11 19 00-0375)*

Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.

22 11 19 00-0390	EA	20" Length x 6-1/2" Width x 22" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	332.93	19.51
		For Heated Enclosure, Add	*60.08*	
22 11 19 00-0391	EA	27" Length x 14" Width x 26" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	460.30	19.51
		For Heated Enclosure, Add	*85.56*	
22 11 19 00-0392	EA	38-1/2" Length x 12" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	575.48	17.96
		For Heated Enclosure, Add	*109.11*	
22 11 19 00-0393	EA	47" Length x 13" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	866.28	17.96
		For Heated Enclosure, Add	*167.27*	
22 11 19 00-0394	EA	70" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	2,238.31	33.67
		For Heated Enclosure, Add	*436.44*	
22 11 19 00-0395	EA	83" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	3,051.82	33.67
		For Heated Enclosure, Add	*599.14*	
22 11 19 00-0396	EA	45" Length x 35" Width x 35" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	2,036.43	33.67
		For Heated Enclosure, Add	*396.06*	
22 11 19 00-0397	EA	53" Length x 44" Width x 44" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	2,303.20	33.67
		For Heated Enclosure, Add	*449.41*	
22 11 19 00-0398	EA	61" Length x 52" Width x 50" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	3,597.36	33.67
		For Heated Enclosure, Add	*708.25*	

22 11 19 00-0399 Sectional, Insulated Aluminum Valve Enclosures *(22 11 19 00-0375)*

Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.

22 11 19 00-0400	EA	70" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure	4,584.21	146.33
		For Heated Enclosure, Add	*651.05*	
		For One 24" Fluorescent Light Fixture, Add	*412.09*	
		For Two 24" Fluorescent Light Fixture, Add	*737.42*	
22 11 19 00-0401	EA	83" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure	5,049.25	146.33
		For Heated Enclosure, Add	*720.80*	
		For One 24" Fluorescent Light Fixture, Add	*412.09*	
		For Two 24" Fluorescent Light Fixture, Add	*737.42*	
22 11 19 00-0402	EA	53" Length x 33" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure	3,584.30	134.70
		For Heated Enclosure, Add	*503.97*	
		For One 24" Fluorescent Light Fixture, Add	*412.09*	
		For Two 24" Fluorescent Light Fixture, Add	*737.42*	
22 11 19 00-0403	EA	53" Length x 44" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure	3,927.96	134.70
		For Heated Enclosure, Add	*555.52*	
		For One 24" Fluorescent Light Fixture, Add	*412.09*	
		For Two 24" Fluorescent Light Fixture, Add	*737.42*	
22 11 19 00-0404	EA	90" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	4,575.98	179.61
		For Heated Enclosure, Add	*641.50*	
		For One 24" Fluorescent Light Fixture, Add	*412.09*	
		For Two 24" Fluorescent Light Fixture, Add	*737.42*	
22 11 19 00-0405	EA	102" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	5,126.33	179.61
		For Heated Enclosure, Add	*724.05*	
		For One 24" Fluorescent Light Fixture, Add	*412.09*	
		For Two 24" Fluorescent Light Fixture, Add	*737.42*	
22 11 19 00-0406	EA	90" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	5,126.33	179.61
		For Heated Enclosure, Add	*724.05*	
		For One 24" Fluorescent Light Fixture, Add	*412.09*	
		For Two 24" Fluorescent Light Fixture, Add	*737.42*	
22 11 19 00-0407	EA	102" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	5,659.86	179.61
		For Heated Enclosure, Add	*804.08*	
		For One 24" Fluorescent Light Fixture, Add	*412.09*	
		For Two 24" Fluorescent Light Fixture, Add	*737.42*	
22 11 19 00-0408	EA	62" Length x 39" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure	4,254.97	157.15
		For Heated Enclosure, Add	*598.96*	
		For One 24" Fluorescent Light Fixture, Add	*412.09*	
		For Two 24" Fluorescent Light Fixture, Add	*737.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0409	EA	62" Length x 53" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure	4,980.93	179.61
		For Heated Enclosure, Add	*702.24*	
		For One 24" Fluorescent Light Fixture, Add	*412.09*	
		For Two 24" Fluorescent Light Fixture, Add	*737.42*	
22 11 19 00-0410	EA	105" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure	5,813.67	179.61
		For Heated Enclosure, Add	*827.15*	
		For One 24" Fluorescent Light Fixture, Add	*412.09*	
		For Two 24" Fluorescent Light Fixture, Add	*737.42*	
22 11 19 00-0411	EA	125" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure	6,380.33	190.83
		For Heated Enclosure, Add	*909.34*	
		For One 24" Fluorescent Light Fixture, Add	*412.09*	
		For Two 24" Fluorescent Light Fixture, Add	*737.42*	
22 11 19 00-0412	EA	105" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure	6,545.97	207.31
		For Heated Enclosure, Add	*930.07*	
		For One 24" Fluorescent Light Fixture, Add	*412.09*	
		For Two 24" Fluorescent Light Fixture, Add	*737.42*	
22 11 19 00-0413	EA	125" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure	7,253.63	219.50
		For Heated Enclosure, Add	*1,033.17*	
		For One 24" Fluorescent Light Fixture, Add	*412.09*	
		For Two 24" Fluorescent Light Fixture, Add	*737.42*	
22 11 19 00-0414	EA	105" Length x 36" Width x 80" Height, Sectional, Insulated Aluminum Valve Enclosure	7,499.74	202.06
		For Heated Enclosure, Add	*1,074.45*	
		For One 24" Fluorescent Light Fixture, Add	*412.09*	
		For Two 24" Fluorescent Light Fixture, Add	*737.42*	
22 11 19 00-0415	EA	72" Length x 45" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure	5,453.17	179.61
		For Heated Enclosure, Add	*773.07*	
		For One 24" Fluorescent Light Fixture, Add	*412.09*	
		For Two 24" Fluorescent Light Fixture, Add	*737.42*	
22 11 19 00-0416	EA	72" Length x 45" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure	5,810.06	179.61
		For Heated Enclosure, Add	*826.61*	
		For One 24" Fluorescent Light Fixture, Add	*412.09*	
		For Two 24" Fluorescent Light Fixture, Add	*737.42*	
22 11 19 00-0417	EA	72" Length x 65" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure	6,571.39	190.83
		For Heated Enclosure, Add	*938.00*	
		For One 24" Fluorescent Light Fixture, Add	*412.09*	
		For Two 24" Fluorescent Light Fixture, Add	*737.42*	
22 11 19 00-0418	EA	72" Length x 65" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure	7,957.56	202.06
		For Heated Enclosure, Add	*1,143.12*	
		For One 24" Fluorescent Light Fixture, Add	*412.09*	
		For Two 24" Fluorescent Light Fixture, Add	*737.42*	
22 11 19 00-0419	EA	118" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure	6,949.38	89.80
		For Heated Enclosure, Add	*991.89*	
		For One 24" Fluorescent Light Fixture, Add	*412.09*	
		For Two 24" Fluorescent Light Fixture, Add	*737.42*	
22 11 19 00-0420	EA	142" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure	8,343.97	89.80
		For Heated Enclosure, Add	*1,198.28*	
		For One 24" Fluorescent Light Fixture, Add	*412.09*	
		For Two 24" Fluorescent Light Fixture, Add	*737.42*	
22 11 19 00-0421	EA	118" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure	8,068.80	134.70
		For Heated Enclosure, Add	*1,157.00*	
		For One 24" Fluorescent Light Fixture, Add	*412.09*	
		For Two 24" Fluorescent Light Fixture, Add	*737.42*	
22 11 19 00-0422	EA	142" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure	9,359.53	134.70
		For Heated Enclosure, Add	*1,345.00*	
		For One 24" Fluorescent Light Fixture, Add	*412.09*	
		For Two 24" Fluorescent Light Fixture, Add	*737.42*	
22 11 19 00-0423	EA	142" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure	8,637.86	134.70
		For Heated Enclosure, Add	*1,239.55*	
		For One 24" Fluorescent Light Fixture, Add	*412.09*	
		For Two 24" Fluorescent Light Fixture, Add	*737.42*	
22 11 19 00-0424	EA	172" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure	10,092.00	157.15
		For Heated Enclosure, Add	*1,452.06*	
		For One 24" Fluorescent Light Fixture, Add	*412.09*	
		For Two 24" Fluorescent Light Fixture, Add	*737.42*	
22 11 19 00-0425	EA	142" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure	10,129.42	134.70
		For Heated Enclosure, Add	*1,452.06*	
		For One 24" Fluorescent Light Fixture, Add	*412.09*	
		For Two 24" Fluorescent Light Fixture, Add	*737.42*	
22 11 19 00-0426	EA	172" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure	12,011.36	134.70
		For Heated Enclosure, Add	*1,728.74*	
		For One 24" Fluorescent Light Fixture, Add	*412.09*	
		For Two 24" Fluorescent Light Fixture, Add	*737.42*	
22 11 19 00-0427		Faucets (Hose Bibbs) *(22 11 19)*		
22 11 19 00-0428		Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends *(22 11 19 00-0427)*		
22 11 19 00-0429	EA	1/2", 125 LB Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends	39.58	8.12
22 11 19 00-0430	EA	3/4" Faucet, Bronze Garden Hose Valve With Screwed Ends, 125#	46.38	8.94
22 11 19 00-0431	EA	3/4" Hose Valve With Screwed Ends And Vacuum Breaker, 125#	13.89	6.10
22 11 19 00-0432		Chrome Plated Brass Hose Valves, Screwed Ends *(22 11 19 00-0427)*		
22 11 19 00-0433	EA	3/4" Hose Valve With Screwed Ends; Chicago Faucets #387-CP	99.33	24.88

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0434		Antisiphon Freezeless Wall Faucet *(22 11 19 00-0427)*		
22 11 19 00-0435	EA	4" Long, 1/2" Antisiphon Freezeless Wall Faucet	96.46	20.33
22 11 19 00-0436	EA	6" Long, 1/2" Antisiphon Freezeless Wall Faucet	104.58	22.52
22 11 19 00-0437	EA	8" Long, 1/2" Antisiphon Freezeless Wall Faucet	110.66	23.82
22 11 19 00-0438	EA	10" Long, 1/2" Antisiphon Freezeless Wall Faucet	116.73	25.52
22 11 19 00-0439	EA	12" Long, 1/2" Antisiphon Freezeless Wall Faucet	122.89	27.07
22 11 19 00-0440		Escutcheons *(22 11 19)*		
22 11 19 00-0441		Brass Escutcheons *(22 11 19 00-0440)*		
22 11 19 00-0442		Shallow Brass Escutcheons *(22 11 19 00-0441)*		
22 11 19 00-0443	EA	3/8" IPS, Antique Or Polished Brass Shallow Escutcheon	9.93	2.03
22 11 19 00-0444	EA	1/2" IPS, Antique Or Polished Brass Shallow Escutcheon	10.76	2.03
22 11 19 00-0445		Deep Bell Brass Escutcheons *(22 11 19 00-0441)*		
22 11 19 00-0446	EA	3/8" IPS, Antique Or Polished Deep Bell Brass Escutcheon	11.84	2.28
22 11 19 00-0447	EA	1/2" IPS, Antique Or Polished Deep Bell Brass Escutcheon	11.86	2.28
22 11 19 00-0448		Chrome Plated Brass Escutcheons With Setscrew *(22 11 19 00-0441)*		
22 11 19 00-0449	EA	3/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	12.32	2.03
22 11 19 00-0450	EA	1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew	12.44	2.03
22 11 19 00-0451	EA	5/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	12.61	2.03
22 11 19 00-0452	EA	3/4" IPS, Chrome Plated Brass Escutcheon With Setscrew	13.23	2.03
22 11 19 00-0453	EA	7/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	13.48	2.44
22 11 19 00-0454	EA	1" IPS, Chrome Plated Brass Escutcheon With Setscrew	14.08	2.44
22 11 19 00-0455	EA	1-1/4" IPS, Chrome Plated Brass Escutcheon With Setscrew	14.67	2.68
22 11 19 00-0456	EA	1-1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew	15.39	2.85
22 11 19 00-0457	EA	2" IPS, Chrome Plated Brass Escutcheon With Setscrew	21.61	3.25
22 11 19 00-0458		Plastic Escutcheons *(22 11 19 00-0440)*		
22 11 19 00-0459		Split-Ring White Plastic Escutcheons *(22 11 19 00-0458)*		
22 11 19 00-0460	EA	3/8" IPS, Split-Ring White Plastic Escutcheon	4.28	2.03
22 11 19 00-0461	EA	1/2" IPS, Split-Ring White Plastic Escutcheon	4.28	2.03
22 11 19 00-0462	EA	3/4" IPS, Split-Ring White Plastic Escutcheon	4.80	2.27
22 11 19 00-0463	EA	1" IPS, Split-Ring White Plastic Escutcheon	5.22	2.43
22 11 19 00-0464	EA	1-1/4" IPS, Split-Ring White Plastic Escutcheon	5.64	2.67
22 11 19 00-0465	EA	1-1/2" IPS, Split-Ring White Plastic Escutcheon	6.07	2.83
22 11 19 00-0466	EA	2" IPS, Split-Ring White Plastic Escutcheon	6.92	3.24
22 11 19 00-0467	EA	2-1/2" IPS, Split-Ring White Plastic Escutcheon	7.81	3.49
22 11 19 00-0468	EA	3" IPS, Split-Ring White Plastic Escutcheon	8.70	3.65
22 11 19 00-0469	EA	4" IPS, Split-Ring White Plastic Escutcheon	10.00	4.05
22 11 19 00-0470		Chrome Plate Plastic Escutcheons *(22 11 19 00-0458)*		
22 11 19 00-0471	EA	1/2" IPS, Chrome Plate Plastic Escutcheon	4.69	2.03
22 11 19 00-0472	EA	3/4" IPS, Chrome Plate Plastic Escutcheon	5.15	2.27
22 11 19 00-0473	EA	1" IPS, Chrome Plate Plastic Escutcheon	5.67	2.43
22 11 19 00-0474	EA	1-1/4" IPS, Chrome Plate Plastic Escutcheon	6.19	2.67
22 11 19 00-0475	EA	1-1/2" IPS, Chrome Plate Plastic Escutcheon	6.61	2.83
22 11 19 00-0476	EA	2" IPS, Chrome Plate Plastic Escutcheon	7.85	3.24
22 11 19 00-0477	EA	2-1/2" IPS, Chrome Plate Plastic Escutcheon	9.48	3.49
22 11 19 00-0478	EA	3" IPS, Chrome Plate Plastic Escutcheon	9.93	3.65
22 11 19 00-0479	EA	4" IPS, Chrome Plate Plastic Escutcheon	10.85	4.05
22 11 19 00-0480		Stainless Steel Escutcheons *(22 11 19 00-0440)*		
22 11 19 00-0481		Shallow Stainless Steel Escutcheons *(22 11 19 00-0480)*		
22 11 19 00-0482	EA	3/8" IPS, Shallow Stainless Steel Escutcheon	10.57	2.03
22 11 19 00-0483	EA	1/2" IPS, Shallow Stainless Steel Escutcheon	10.57	2.03
22 11 19 00-0484	EA	3/4" IPS, Shallow Stainless Steel Escutcheon	14.55	2.28
22 11 19 00-0485		Chrome Plated Steel Escutcheons *(22 11 19 00-0440)*		
22 11 19 00-0486		Split-Ring Chrome Plated Steel Escutcheons *(22 11 19 00-0485)*		
22 11 19 00-0487	EA	1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	4.40	2.03
22 11 19 00-0488	EA	3/4" IPS, Split-Ring Chrome Plated Steel Escutcheon	4.81	2.27
22 11 19 00-0489	EA	1" IPS, Split-Ring Chrome Plated Steel Escutcheon	5.28	2.43
22 11 19 00-0490	EA	1-1/4" IPS, Split-Ring Chrome Plated Steel Escutcheon	5.68	2.67
22 11 19 00-0491	EA	1-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	6.09	2.83
22 11 19 00-0492	EA	2" IPS, Split-Ring Chrome Plated Steel Escutcheon	7.01	3.24
22 11 19 00-0493	EA	2-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	9.79	3.49
22 11 19 00-0494	EA	3" IPS, Split-Ring Chrome Plated Steel Escutcheon	10.38	3.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0495	EA	3-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	12.45	3.89
22 11 19 00-0496	EA	4" IPS, Split-Ring Chrome Plated Steel Escutcheon	11.36	4.05
22 11 19 00-0497	EA	5" IPS, Split-Ring Chrome Plated Steel Escutcheon	14.25	4.46
22 11 19 00-0498	EA	6" IPS, Split-Ring Chrome Plated Steel Escutcheon	16.43	4.86
22 11 19 00-0499		Split-Ring/Springs Chrome Plated Steel Escutcheons *(22 11 19 00-0485)*		
22 11 19 00-0500	EA	3/8" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	6.39	2.03
22 11 19 00-0501	EA	1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	6.39	2.03
22 11 19 00-0502	EA	3/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	6.88	2.27
22 11 19 00-0503	EA	1" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	7.51	2.43
22 11 19 00-0504	EA	1-1/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	8.19	2.67
22 11 19 00-0505	EA	1-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	8.70	2.83
22 11 19 00-0506	EA	2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	10.26	3.24
22 11 19 00-0507	EA	2-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	11.65	3.49
22 11 19 00-0508	EA	3" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	13.92	3.65
22 11 19 00-0509	EA	3-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	16.77	3.89
22 11 19 00-0510	EA	4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	17.09	4.05
22 11 19 00-0511	EA	5" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	27.03	4.46
22 11 19 00-0512	EA	6" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	28.32	4.86
22 11 19 00-0513		Deep Bell Chrome Plated Steel Escutcheons *(22 11 19 00-0485)*		
22 11 19 00-0514	EA	3/8" IPS, Deep Bell Chrome Plated Steel Escutcheon	5.30	2.28
22 11 19 00-0515	EA	1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon	5.24	2.28
22 11 19 00-0516	EA	3/4" IPS, Deep Bell Chrome Plated Steel Escutcheon	5.12	2.28
22 11 19 00-0517	EA	1" IPS, Deep Bell Chrome Plated Steel Escutcheon	5.61	2.44
22 11 19 00-0518	EA	1-1/4" IPS, Deep Bell Chrome Plated Steel Escutcheon	6.10	2.68
22 11 19 00-0519	EA	1-1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon	6.67	2.85
22 11 19 00-0520		Shallow Chrome Plated Steel Escutcheons *(22 11 19 00-0485)*		
22 11 19 00-0521	EA	3/8" IPS, Shallow Chrome Plated Steel Escutcheon	4.89	2.03
22 11 19 00-0522	EA	1/2" IPS, Shallow Chrome Plated Steel Escutcheon	4.89	2.03
22 11 19 00-0523	EA	3/4" IPS, Shallow Chrome Plated Steel Escutcheon	4.94	2.03
22 11 19 00-0524	EA	1" IPS, Shallow Chrome Plated Steel Escutcheon	5.26	2.44
22 11 19 00-0525	EA	1-1/4" IPS, Shallow Chrome Plated Steel Escutcheon	5.71	2.68
22 11 19 00-0526	EA	1-1/2" IPS, Shallow Chrome Plated Steel Escutcheon	6.28	2.85
22 11 19 00-0527	EA	2" IPS, Shallow Chrome Plated Steel Escutcheon	7.13	3.25
22 11 19 00-0528		Keyed, Recessed Valve Boxes *(22 11 19)*		
22 11 19 00-0529	EA	8" x 8" x 4" Painted Steel, Keyed, Recessed Valve Box	195.86	24.31
22 11 19 00-0530	EA	8" x 8" x 6" Painted Steel, Keyed, Recessed Valve Box	216.89	24.31
22 11 19 00-0531	EA	8" x 8" x 8" Painted Steel, Keyed, Recessed Valve Box	248.44	24.31
22 11 19 00-0532	EA	12" x 12" x 4" Painted Steel, Keyed, Recessed Valve Box	243.61	32.42
22 11 19 00-0533	EA	12" x 12" x 6" Painted Steel, Keyed, Recessed Valve Box	275.16	32.42
22 11 19 00-0534	EA	12" x 12" x 8" Painted Steel, Keyed, Recessed Valve Box	284.62	32.42
22 11 19 00-0535	EA	8" x 8" x 4" Stainless Steel, Keyed, Recessed Valve Box	229.51	24.31
22 11 19 00-0536	EA	8" x 8" x 6" Stainless Steel, Keyed, Recessed Valve Box	275.79	24.31
22 11 19 00-0537	EA	8" x 8" x 8" Stainless Steel, Keyed, Recessed Valve Box	316.80	24.31
22 11 19 00-0538	EA	12" x 12" x 4" Stainless Steel, Keyed, Recessed Valve Box	302.50	32.42
22 11 19 00-0539	EA	12" x 12" x 6" Stainless Steel, Keyed, Recessed Valve Box	343.52	32.42
22 11 19 00-0540	EA	12" x 12" x 8" Stainless Steel, Keyed, Recessed Valve Box	359.30	32.42

22 11 23 Domestic Water Pumps *(22 11)*

22 11 23 13 Domestic Water Packaged Booster Pumps And Tanks *(22 11 23)*

Note: Includes motor starter and controls.

22 11 23 13-0001		Simplex Domestic Water Packaged Booster Pumps And Tank *(22 11 23 13)*		
22 11 23 13-0002	EA	1 HP Simplex Domestic Water Packaged Booster Pump And Tank	4,274.28	239.48
22 11 23 13-0003	EA	1.5 HP Simplex Domestic Water Packaged Booster Pump And Tank	4,536.20	321.79
22 11 23 13-0004	EA	2 HP Simplex Domestic Water Packaged Booster Pump And Tank	4,826.17	404.12
22 11 23 13-0005	EA	3 HP Simplex Domestic Water Packaged Booster Pump And Tank	5,102.11	486.43
22 11 23 13-0006	EA	5 HP Simplex Domestic Water Packaged Booster Pump And Tank	5,686.70	568.76
22 11 23 13-0007	EA	7.5 HP Simplex Domestic Water Packaged Booster Pump And Tank	6,341.42	651.07
22 11 23 13-0008	EA	10 HP Simplex Domestic Water Packaged Booster Pump And Tank	6,827.80	733.40
22 11 23 13-0009		Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator *(22 11 23 13)*		
22 11 23 13-0010	EA	100 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator	11,923.62	970.26
22 11 23 13-0011	EA	200 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator	14,185.90	1,030.90
22 11 23 13-0012	EA	300 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator	16,457.11	1,091.54
22 11 23 13-0013		Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator *(22 11 23 13)*		
22 11 23 13-0014	EA	200 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	15,381.87	1,030.90
22 11 23 13-0015	EA	300 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	18,906.40	1,091.54

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23 13-0016	EA	500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	23,315.89	1,212.83
22 11 23 13-0017	EA	750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	29,280.33	1,334.11
22 11 23 13-0018	EA	1,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	35,244.75	1,455.39
22 11 23 13-0019	EA	1,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	40,985.17	1,637.31
22 11 23 13-0020	EA	2,500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	46,725.58	1,819.24
22 11 23 13-0021	EA	3,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	52,465.99	2,001.16
22 11 23 13-0022	EA	5,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	58,358.00	2,243.72

22 11 23 13-0023 Variable Speed Duplex Domestic Water Pressure Booster Skid *(22 11 23 13)*

Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.

22 11 23 13-0024	EA	40 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-1)	21,376.64	1,003.23
22 11 23 13-0025	EA	40 GPM At 80 To 120 PSI, 80 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-2)	22,345.26	1,003.23
22 11 23 13-0026	EA	80 GPM At 80 PSI, 120 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-3)	23,729.29	1,003.23
22 11 23 13-0027	EA	80 GPM At 130 To 150 PSI, 120 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-4)	25,724.37	1,003.23
22 11 23 13-0028	EA	160 GPM At 40 To 50 PSI, 200 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-5)	24,309.89	1,065.93
22 11 23 13-0029	EA	160 GPM At 60 To 80 PSI, 200 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-6)	26,051.50	1,065.93
22 11 23 13-0030	EA	160 GPM At 90 To 110 PSI, 200 GPM At 80 To 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-7)	28,416.78	1,065.93
22 11 23 13-0031	EA	160 To 200 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-8)	30,339.28	1,065.93
22 11 23 13-0032	EA	240 To 280 GPM At 40 To 50 PSI , NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-9)	26,554.26	1,128.64
22 11 23 13-0033	EA	280 To 320 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-10)	28,273.79	1,128.64
22 11 23 13-0034	EA	240 To 320 GPM At 90 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-11)	32,118.81	1,128.64
22 11 23 13-0035	EA	240 To 320 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-12)	38,572.04	1,128.64
22 11 23 13-0036	EA	360 To 400 GPM At 40 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-13)	28,031.90	1,128.64
22 11 23 13-0037	EA	360 To 400 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-14)	31,539.32	1,128.64
22 11 23 13-0038	EA	360 To 400 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-15)	39,259.85	1,128.64
22 11 23 13-0039	EA	360 To 400 GPM At 120 To 140 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-16)	39,036.89	1,128.64
22 11 23 13-0040	EA	440 To 480 GPM At 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-17)	46,537.72	1,254.04
22 11 23 13-0041	EA	440 To 480 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-18)	32,076.84	1,254.04
22 11 23 13-0042	EA	440 To 480 GPM At 60 To 90 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-19)	39,107.46	1,254.04
22 11 23 13-0043	EA	440 To 480 GPM At 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-20)	38,885.55	1,254.04
22 11 23 13-0044	EA	440 To 600 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-21)	46,882.67	1,254.04
22 11 23 13-0045	EA	440 To 600 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-22)	56,664.54	1,254.04
22 11 23 13-0046	EA	60 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-1)	26,963.27	1,003.23

22 11 23 13-0047 Variable Speed Triplex Domestic Water Pressure Booster Skid *(22 11 23 13)*

Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.

22 11 23 13-0048	EA	60 GPM At 80 To 130 PSI, 120 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-2)	26,963.27	1,003.23
22 11 23 13-0049	EA	120 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-3)	30,137.30	1,003.23
22 11 23 13-0050	EA	60 GPM At 140 To 150 PSI, 120 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-4)	32,875.93	1,003.23
22 11 23 13-0051	EA	180 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-5)	30,294.06	1,065.93
22 11 23 13-0052	EA	180 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-6)	33,013.76	1,065.93
22 11 23 13-0053	EA	240 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-7)	30,929.29	1,065.93
22 11 23 13-0054	EA	240 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-8)	33,267.22	1,065.93
22 11 23 13-0055	EA	240 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-9)	36,482.26	1,065.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23 13-0056	EA	240 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-10)	39,147.27	1,065.93
22 11 23 13-0057	EA	300 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-11)	31,239.59	1,128.64
22 11 23 13-0058	EA	300 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-12)	33,577.51	1,128.64
22 11 23 13-0059	EA	300 GPM At80 To 100 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-13)	36,791.51	1,128.64
22 11 23 13-0060	EA	300 GPM At 110 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-14)	39,456.52	1,128.64
22 11 23 13-0061	EA	360 GPM At 40 To 60 PSI, 420 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-15)	33,868.84	1,128.64
22 11 23 13-0062	EA	360 GPM At 70 To 80 PSI, 420 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-16)	36,114.22	1,128.64
22 11 23 13-0063	EA	360 GPM At 90 To 130 PSI, 420 GPM At 80 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-17)	41,661.93	1,128.64
22 11 23 13-0064	EA	360 GPM At140 To 150 PSI, 420 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-18)	50,714.97	1,128.64
22 11 23 13-0065	EA	480 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-19)	34,640.89	1,254.04
22 11 23 13-0066	EA	480 GPM At 50 To 70 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-20)	36,887.32	1,254.04
22 11 23 13-0067	EA	480 GPM At 80 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-21)	42,435.04	1,254.04
22 11 23 13-0068	EA	480 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-22)	51,487.02	1,254.04
22 11 23 13-0069	EA	540 GPM At 40 PSI, 600 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-23)	36,523.43	1,254.04
22 11 23 13-0070	EA	540 GPM At 50 To 90 PSI, 600 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-24)	41,565.28	1,254.04
22 11 23 13-0071	EA	540 GPM At 100 To 110 PSI, 600 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-25)	52,517.68	1,254.04
22 11 23 13-0072	EA	540 GPM At 120 To 130 PSI, 600 GPM At 120 To 130 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-26)	53,578.85	1,254.04
22 11 23 13-0073	EA	540 GPM At 140 To 150 PSI, 600 GPM At 140 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-27)	66,292.85	1,254.04
22 11 23 13-0074	EA	660 GPM At 40 To 50 PSI, 720 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-28)	41,415.09	1,504.85
22 11 23 13-0075	EA	660 GPM At 60 To 90 PSI, 720,780,840,900 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-29)	49,724.58	1,504.85
22 11 23 13-0076	EA	660, 720, 780 GPM At 100 PSI, 840 To 900 GPM At 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-30)	52,875.47	1,504.85
22 11 23 13-0077	EA	660, 720, 780, 840, 900 GPM At 110 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-31)	63,683.79	1,504.85
22 11 23 13-0078	EA	660, 720, 780, 840, 900 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-32)	78,808.29	1,504.85

22 11 23 39 In-Line Centrifugal Domestic Water Booster Pumps *(22 11 23)*

22 11 23 39-0001 Bronze In-Line Centrifugal Domestic Water Booster Pumps *(22 11 23 39)*

Note: ODP motor.

22 11 23 39-0002	EA	1/12 HP, 3/4" To 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL30B)	599.46	134.70
22 11 23 39-0003	EA	1/6 HP, 3/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL36B)	613.22	134.70
22 11 23 39-0004	EA	1/6 HP, 1" To 1-1/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL45B)	639.70	137.32
22 11 23 39-0005	EA	1/6 HP, 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL50B)	700.05	142.93
22 11 23 39-0006	EA	1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL75B)	1,191.56	148.25
22 11 23 39-0007	EA	1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2AB)	1,265.27	148.25
22 11 23 39-0008	EA	1/4 HP, 2-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2AB)	1,856.88	163.23
22 11 23 39-0009	EA	1/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G LD3 AB)	1,941.68	179.33
22 11 23 39-0010	EA	1/3 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G HD3 AB)	2,339.20	197.30
22 11 23 39-0011	EA	1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB35S)	2,399.90	217.14
22 11 23 39-0012	EA	3/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB37S)	2,625.13	238.48
22 11 23 39-0013	EA	1 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB38S)	3,715.51	262.45
22 11 23 39-0014	EA	1-1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB40S)	4,264.30	275.17

22 11 23 39-0015 Cast Iron In-Line Centrifugal Domestic Water Booster Pumps *(22 11 23 39)*

Note: ODP motor.

22 11 23 39-0016	EA	1/12 HP, 3/4" To 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL30)	604.45	134.70
22 11 23 39-0017	EA	1/6 HP, 3/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL36)	951.73	134.70
22 11 23 39-0018	EA	1/6 HP, 1" To 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45)	957.14	137.32
22 11 23 39-0019	EA	1/6 HP, 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45)	974.28	140.31
22 11 23 39-0020	EA	1/6 HP, 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL50)	979.51	142.93
22 11 23 39-0021	EA	1/6 HP, 2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL75)	999.70	148.25
22 11 23 39-0022	EA	1/4 HP, 2-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2)	1,209.87	163.23
22 11 23 39-0023	EA	1/3 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G HD30)	1,552.60	197.30
22 11 23 39-0024	EA	1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD35S)	1,641.45	217.14
22 11 23 39-0025	EA	3/4 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD37S)	1,906.68	238.48
22 11 23 39-0026	EA	1 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD38S)	2,533.57	262.45
22 11 23 39-0027	EA	1-1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD40S)	2,942.49	275.17
22 11 23 39-0028	EA	2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	2,773.10	289.02
22 11 23 39-0029	EA	3 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	2,985.20	317.70

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23 39-0030	EA	5 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	3,279.67	336.94
22 11 23 39-0031	EA	7-1/2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	4,115.50	374.38
22 11 23 39-0032	EA	10 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	4,395.77	449.33
22 11 23 39-0033	EA	15 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	5,578.78	524.36

22 12 Facility Potable-Water Storage Tanks *(22 10)*

22 12 19 Facility Ground-Mounted, Potable-Water Storage Tanks *(22 12)*

22 12 19 00-0001 Steel, Horizontal, Ground-Mounted Water Tanks *(22 12 19)*

22 12 19 00-0002	EA	5,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank	20,194.87	7,047.74
22 12 19 00-0003	EA	10,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank	21,748.48	7,047.74
22 12 19 00-0004	EA	20,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank	36,943.17	10,876.17
22 12 19 00-0005	EA	35,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank	47,754.99	14,095.50

22 12 19 00-0006 Galvanized Steel, Flat Bottom, Vertical Storage Tanks *(22 12 19)*

22 12 19 00-0007	EA	5,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	22,496.51	7,047.74
22 12 19 00-0008	EA	10,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	27,905.39	7,047.74
22 12 19 00-0009	EA	20,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	42,221.17	10,876.17
22 12 19 00-0010	EA	35,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	57,925.77	14,095.50

22 12 23 Facility Indoor Potable-Water Storage Tanks *(22 12)*

22 12 23 13 Facility Steel, Indoor Potable-Water Storage Pressure Tanks *(22 12 23)*

22 12 23 13-0001 Insulated Glass Lined Storage Tank (A.O. Smith TJ, TJV And TJH) *(22 12 23 13)*

22 12 23 13-0002	EA	80 Gallon ASME Rated Tank, 150PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJ-80A)	1,968.98	299.34
22 12 23 13-0003	EA	119 Gallon 150 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-120M)	2,179.91	374.18
22 12 23 13-0004	EA	140 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-140A)	4,603.15	411.59
22 12 23 13-0005	EA	200 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-200A)	5,092.85	449.01
22 12 23 13-0006	EA	250 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-250A)	6,746.55	486.43
22 12 23 13-0007	EA	350 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-350A)	8,807.58	523.85
22 12 23 13-0008	EA	400 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-400A)	9,909.92	561.27
22 12 23 13-0009	EA	500 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-500A)	14,017.80	598.68
22 12 23 13-0010	EA	750 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-750A)	15,233.52	636.10
22 12 23 13-0011	EA	1,000 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-1000A)	18,181.78	673.52

22 12 23 13-0012 Uninsulated Glass Lined Storage Tank (A.O. Smith T) *(22 12 23 13)*

22 12 23 13-0013	EA	80 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-80S)	1,669.01	299.34
22 12 23 13-0014	EA	120 Gallon 150 PSA, Uninsulated, Glass Lined Water Storage Tank (T-120S)	2,682.79	374.18
22 12 23 13-0015	EA	140 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-140A)	4,126.08	411.59
22 12 23 13-0016	EA	200 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200S)	4,131.43	449.01
22 12 23 13-0017	EA	200 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200A)	4,325.32	449.01
22 12 23 13-0018	EA	250 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-250A)	5,445.82	486.43
22 12 23 13-0019	EA	325 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-325A)	5,927.50	523.85
22 12 23 13-0020	EA	350 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350S)	5,582.31	523.85
22 12 23 13-0021	EA	350 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350A)	6,335.46	523.85
22 12 23 13-0022	EA	400 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-400A)	6,980.70	561.27
22 12 23 13-0023	EA	500 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-500A)	9,470.30	598.68
22 12 23 13-0024	EA	750 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-750A)	11,016.80	636.10
22 12 23 13-0025	EA	1,000 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-1000A)	13,848.76	673.52

22 12 23 26 Facility Plastic, Indoor Potable-Water Storage Non-Pressure Tanks *(22 12 23)*

22 12 23 26-0001 Horizontal Non-Pressurized Polyethylene Tanks *(22 12 23 26)*

Note: Excludes excavation and backfill.

22 12 23 26-0002	EA	100 Gallon Horizontal Non-Pressurized Polyethylene Tank	412.60	168.38
		For Saddle Assembly, Add	*453.30*	
22 12 23 26-0003	EA	150 Gallon Horizontal Non-Pressurized Polyethylene Tank	483.01	196.45
		For Saddle Assembly, Add	*453.30*	
22 12 23 26-0004	EA	200 Gallon Horizontal Non-Pressurized Polyethylene Tank	569.93	224.51
		For Saddle Assembly, Add	*509.40*	
22 12 23 26-0005	EA	300 Gallon Horizontal Non-Pressurized Polyethylene Tank	686.55	252.57
		For Saddle Assembly, Add	*728.30*	
22 12 23 26-0006	EA	335 Gallon Horizontal Non-Pressurized Polyethylene Tank	815.27	280.64
		For Two Tie Down Bands, Add	*266.25*	
22 12 23 26-0007	EA	535 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,052.89	376.42
		For Two Tie Down Bands, Add	*281.65*	
22 12 23 26-0008	EA	1,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,529.54	439.16
		For Three Tie Down Bands, Add	*471.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 12 23 26-0009	EA	1,335 Gallon Horizontal Non-Pressurized Polyethylene Tank	2,159.69	501.90
		For Three Tie Down Bands, Add	*475.28*	
22 12 23 26-0010	EA	1,635 Gallon Horizontal Non-Pressurized Polyethylene Tank	2,673.44	564.64
		For Four Tie Down Bands, Add	*642.50*	
22 12 23 26-0011	EA	2,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	3,119.49	627.37
		For Four Tie Down Bands, Add	*866.90*	
22 12 23 26-0012	EA	2,635 Gallon Horizontal Non-Pressurized Polyethylene Tank	4,385.14	690.11
		For Four Tie Down Bands, Add	*1,113.30*	
22 12 23 26-0013	EA	3,135 Gallon Horizontal Non-Pressurized Polyethylene Tank	5,062.79	752.85
		For Four Tie Down Bands, Add	*1,196.90*	
22 12 23 26-0014	EA	4,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	7,244.39	1,003.80
		For Four Tie Down Bands, Add	*1,342.10*	
22 12 23 26-0015	EA	5,025 Gallon Horizontal Non-Pressurized Polyethylene Tank	9,266.09	1,003.80
		For Five Tie Down Bands, Add	*2,079.12*	

22 12 23 26-0016 Vertical Non-Pressurized Polyethylene Tanks *(22 12 23 26)*

22 12 23 26-0017	EA	100 Gallon Vertical Non-Pressurized Polyethylene Tank	465.43	224.51
22 12 23 26-0018	EA	160 Gallon Vertical Non-Pressurized Polyethylene Tank	549.05	238.54
22 12 23 26-0019	EA	210 Gallon Vertical Non-Pressurized Polyethylene Tank	599.65	252.57
22 12 23 26-0020	EA	300 Gallon Vertical Non-Pressurized Polyethylene Tank	717.37	280.64
22 12 23 26-0021	EA	405 Gallon Vertical Non-Pressurized Polyethylene Tank	824.10	336.76
22 12 23 26-0022	EA	500 Gallon Vertical Non-Pressurized Polyethylene Tank	971.54	392.89
22 12 23 26-0023	EA	800 Gallon Vertical Non-Pressurized Polyethylene Tank	1,333.59	501.90
22 12 23 26-0024	EA	1,000 Gallon Vertical Non-Pressurized Polyethylene Tank	1,718.69	627.37
22 12 23 26-0025	EA	2,000 Gallon Vertical Non-Pressurized Polyethylene Tank	2,277.59	752.85
22 12 23 26-0026	EA	3,000 Gallon Vertical Non-Pressurized Polyethylene Tank	2,939.89	878.32
22 12 23 26-0027	EA	4,000 Gallon Vertical Non-Pressurized Polyethylene Tank	4,221.49	1,003.80
22 12 23 26-0028	EA	5,000 Gallon Vertical Non-Pressurized Polyethylene Tank	5,632.89	1,129.27
22 12 23 26-0029	EA	6,250 Gallon Vertical Non-Pressurized Polyethylene Tank	6,376.59	1,254.75
22 12 23 26-0030	EA	7,000 Gallon Vertical Non-Pressurized Polyethylene Tank	7,025.69	1,380.22
22 12 23 26-0031	EA	8,000 Gallon Vertical Non-Pressurized Polyethylene Tank	8,064.19	1,505.70
22 12 23 26-0032	EA	9,150 Gallon Vertical Non-Pressurized Polyethylene Tank	9,083.98	1,631.17
22 12 23 26-0033	EA	10,500 Gallon Vertical Non-Pressurized Polyethylene Tank	11,148.78	1,756.65
22 12 23 26-0034	EA	12,500 Gallon Vertical Non-Pressurized Polyethylene Tank	13,375.37	2,007.60

22 13 Facility Sanitary Sewerage *(22 10)*

22 13 13 Facility Sanitary Sewers *(22 13)*

22 13 13 00-0001 Fixture Rough-In *(22 13 13)*

Note: Excludes fixture. Not for use when individual component details are available, on remodeling work where partial pipe and fittings are installed or on residential projects. For use on commercial restrooms with multiple toilets, urinals and lavatories. Includes waste and vent pipe and fittings and domestic water supply pipe and fittings. Waste piping is included from fixture outlet tee to floor, vent piping is included from outlet tee within the wall to the ceiling and domestic water supply from ceiling to fixture and stub out with caps. Based on vertical floor to floor of 12'. Use detailed tasks (i.e. individual pipe and fittings, insulation, hangers, etc.) instead of rough-in assembly where possible. See CSI section 22 07 19 00-0000 for insulation, 22 11 16 00-0285 for copper pipe and fittings, 22 13 16 00-0000 for PVC or cast iron sanitary waste and vent pipe and fittings, 23 05 29 00-0000 for hangers.

22 13 13 00-0002 Single Fixture Rough-In, Cast Iron Waste And Vent Pipe *(22 13 13 00-0001)*

Note: Single fixtures have one fixture to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

22 13 13 00-0003	EA	Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	647.09
22 13 13 00-0004	EA	Wall Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	825.34
22 13 13 00-0005	EA	Tank Type Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	594.81
22 13 13 00-0006	EA	Wall Mounted Urinal, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	379.11
22 13 13 00-0007	EA	Wall Mounted Lavatory, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	446.28
22 13 13 00-0008	EA	Countertop Kitchen Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	577.33
22 13 13 00-0009	EA	Bathtub, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	607.60
22 13 13 00-0010	EA	Free Standing Water Cooler, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	368.38
22 13 13 00-0011	EA	Floor Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	594.81
22 13 13 00-0012	EA	Wall Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	616.70
22 13 13 00-0013	EA	Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	579.27
22 13 13 00-0014	EA	Bidet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	647.09
22 13 13 00-0015	EA	Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	1,010.70

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0016	EA	Bathtub/Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	626.33	
22 13 13 00-0017		**Double Fixture Rough-In, Cast Iron Waste And Vent Pipe** *(22 13 13 00-0001)* Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0018	EA	Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	829.42	
22 13 13 00-0019	EA	Wall Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	1,106.27	
22 13 13 00-0020	EA	Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	717.34	
22 13 13 00-0021	EA	Wall Mounted Urinal, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	446.35	
22 13 13 00-0022	EA	Wall Mounted Lavatory, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	611.17	
22 13 13 00-0023	EA	Countertop Kitchen Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	645.38	
22 13 13 00-0024	EA	Free Standing Water Cooler, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	424.70	
22 13 13 00-0025	EA	Floor Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	724.81	
22 13 13 00-0026	EA	Wall Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	645.99	
22 13 13 00-0027	EA	Shower, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.	627.30	
22 13 13 00-0028	EA	Bidet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucets.	829.42	
22 13 13 00-0029		**Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe** *(22 13 13 00-0001)* Note: Gang fixtures include multiple fixtures to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0030	EA	Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	414.36	
22 13 13 00-0031	EA	Wall Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.	553.13	
22 13 13 00-0032	EA	Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture.	359.04	
22 13 13 00-0033	EA	Wall Mounted Urinal, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.	223.54	
22 13 13 00-0034	EA	Wall Mounted Lavatory, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	305.60	
22 13 13 00-0035	EA	Countertop Kitchen Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	322.68	
22 13 13 00-0036	EA	Free Standing Water Cooler, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	231.05	
22 13 13 00-0037	EA	Rough-in Service Sink, Floor Mounted, Gang Mounted Fixture Including Cast Iron Waste Pipe And Vent And Copper Domestic Supply, Not Including Fixture Or Faucet Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	362.04	
22 13 13 00-0038	EA	Wall Mounted Service Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	323.00	
22 13 13 00-0039	EA	Shower, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.	314.01	
22 13 13 00-0040	EA	Bidet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	409.11	
22 13 13 00-0041		**Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe** *(22 13 13 00-0001)* Note: Single fixtures have one fixture to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0042	EA	Floor Mounted Water Closet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	333.66	
22 13 13 00-0043	EA	Wall Mounted Water Closet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	313.12	
22 13 13 00-0044	EA	Tank Type Floor Mounted Water Closet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	326.55	
22 13 13 00-0045	EA	Wall Mounted Urinal, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	186.71	
22 13 13 00-0046	EA	Wall Mounted Lavatory, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	217.88	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0047	EA	Countertop Kitchen Sink, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	310.35	
22 13 13 00-0048	EA	Bathtub, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	303.34	
22 13 13 00-0049	EA	Free Standing Water Cooler, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	188.04	
22 13 13 00-0050	EA	Floor Mounted Service Sink, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	326.55	
22 13 13 00-0051	EA	Wall Mounted Service Sink, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	354.47	
22 13 13 00-0052	EA	Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	321.66	
22 13 13 00-0053	EA	Bidet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	333.57	
22 13 13 00-0054	EA	Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	509.73	
22 13 13 00-0055	EA	Bathtub/Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	319.70	
22 13 13 00-0056		**Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe** *(22 13 13 00-0001)* Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0057	EA	Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	385.74	
22 13 13 00-0058	EA	Wall Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	405.32	
22 13 13 00-0059	EA	Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	337.36	
22 13 13 00-0060	EA	Wall Mounted Urinal, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	195.73	
22 13 13 00-0061	EA	Wall Mounted Lavatory, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures, carrier and faucets.	309.27	
22 13 13 00-0062	EA	Countertop Kitchen Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures and faucets.	319.49	
22 13 13 00-0063	EA	Free Standing Water Cooler, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	195.60	
22 13 13 00-0064	EA	Floor Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	344.00	
22 13 13 00-0065	EA	Wall Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	358.40	
22 13 13 00-0066	EA	Shower, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	341.70	
22 13 13 00-0067	EA	Bidet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	385.74	
22 13 13 00-0068		**Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe** *(22 13 13 00-0001)* Note: Gang fixtures include multiple fixtures to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0069	EA	Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	192.57	
22 13 13 00-0070	EA	Wall Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	202.29	
22 13 13 00-0071	EA	Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	168.89	
22 13 13 00-0072	EA	Wall Mounted Urinal, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	97.90	
22 13 13 00-0073	EA	Wall Mounted Lavatory, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	154.62	
22 13 13 00-0074	EA	Countertop Kitchen Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	159.56	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0075	EA	Free Standing Water Cooler, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	97.80	
22 13 13 00-0076	EA	Floor Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	171.93	
22 13 13 00-0077	EA	Wall Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	179.22	
22 13 13 00-0078	EA	Shower, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	171.17	
22 13 13 00-0079	EA	Bidet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	187.60	

22 13 16 Sanitary Waste And Vent Piping *(22 13)*

22 13 16 00-0001 Cast Iron Soil Pipe Assemblies *(22 13 16)*

22 13 16 00-0002 Underground Bell And Spigot Cast Iron Soil Pipe Assemblies *(22 13 16 00-0001)*

Note: Includes fittings and gaskets. Fittings are assumed every 10'. Excludes excavation, backfill and compaction. Not for use where detail is available.

22 13 16 00-0003	LF	2" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	21.28	4.71
		For Work In Restricted Working Space, Add	*3.46*	
22 13 16 00-0004	LF	3" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	30.23	7.11
		For Work In Restricted Working Space, Add	*4.69*	
22 13 16 00-0005	LF	4" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	39.20	9.06
		For Work In Restricted Working Space, Add	*6.04*	
22 13 16 00-0006	LF	5" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	45.97	11.40
		For Work In Restricted Working Space, Add	*6.41*	
22 13 16 00-0007	LF	6" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	53.69	12.42
		For Work In Restricted Working Space, Add	*7.13*	
22 13 16 00-0008	LF	8" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	84.05	17.58
		For Work In Restricted Working Space, Add	*9.95*	
22 13 16 00-0009	LF	10" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	121.02	17.58
		For Work In Restricted Working Space, Add	*11.27*	

22 13 16 00-0010 Aboveground No Hub Cast Iron Soil Pipe Assemblies *(22 13 16 00-0001)*

Note: Includes fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.

22 13 16 00-0011	LF	1-1/2" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	17.75	4.49
		For Work In Restricted Working Space, Add	*3.75*	
22 13 16 00-0012	LF	2" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	18.90	4.78
		For Work In Restricted Working Space, Add	*4.04*	
22 13 16 00-0013	LF	3" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	24.65	6.96
		For Work In Restricted Working Space, Add	*5.19*	
22 13 16 00-0014	LF	4" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	30.45	9.06
		For Work In Restricted Working Space, Add	*6.39*	
22 13 16 00-0015	LF	5" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	50.34	11.18
		For Work In Restricted Working Space, Add	*10.67*	
22 13 16 00-0016	LF	6" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	55.35	12.21
		For Work In Restricted Working Space, Add	*11.41*	
22 13 16 00-0017	LF	8" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	89.64	17.43
		For Work In Restricted Working Space, Add	*18.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0018	LF	10" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	91.89	19.81
		For Work In Restricted Working Space, Add	*13.22*	

22 13 16 00-0019 Bell And Spigot Cast Iron Soil Pipe And Fittings *(22 13 16)*

Note: Service weight. ASTM A74 and CISPI 301 (Fitting Requirements).

22 13 16 00-0020 Bell And Spigot Cast Iron Pipe *(22 13 16 00-0019)*

Note: Excludes excavation, hangers, gaskets, and fittings.

22 13 16 00-0021	LF	2" Bell And Spigot Cast Iron Pipe	14.93	4.71
		For Extra Heavy Pipe, Add	*3.28*	
		For Above Ground Cast Iron Pipe Installation, Add	*0.36*	
		For Work In Restricted Working Space, Add	*2.14*	
22 13 16 00-0022	LF	3" Bell And Spigot Cast Iron Pipe	21.87	7.11
		For Extra Heavy Pipe, Add	*4.70*	
		For Above Ground Cast Iron Pipe Installation, Add	*0.53*	
		For Work In Restricted Working Space, Add	*3.21*	
22 13 16 00-0023	LF	4" Bell And Spigot Cast Iron Pipe	28.15	9.06
		For Extra Heavy Pipe, Add	*6.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*0.68*	
		For Work In Restricted Working Space, Add	*4.08*	
22 13 16 00-0024	LF	5" Bell And Spigot Cast Iron Pipe	37.58	11.40
		For Extra Heavy Pipe, Add	*8.62*	
		For Above Ground Cast Iron Pipe Installation, Add	*0.85*	
		For Work In Restricted Working Space, Add	*5.12*	
22 13 16 00-0025	LF	6" Bell And Spigot Cast Iron Pipe	43.59	12.42
		For Extra Heavy Pipe, Add	*10.50*	
		For Above Ground Cast Iron Pipe Installation, Add	*0.93*	
		For Work In Restricted Working Space, Add	*5.58*	
22 13 16 00-0026	LF	8" Bell And Spigot Cast Iron Pipe	65.24	17.58
		For Extra Heavy Pipe, Add	*16.33*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.32*	
		For Work In Restricted Working Space, Add	*7.91*	
22 13 16 00-0027	LF	10" Bell And Spigot Cast Iron Pipe	94.39	19.81
		For Extra Heavy Pipe, Add	*27.18*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.48*	
		For Work In Restricted Working Space, Add	*8.90*	
22 13 16 00-0028	LF	12" Bell And Spigot Cast Iron Pipe	133.56	26.40
		For Extra Heavy Pipe, Add	*39.48*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.98*	
		For Work In Restricted Working Space, Add	*11.87*	
22 13 16 00-0029	LF	15" Bell And Spigot Cast Iron Pipe	184.87	31.67
		For Extra Heavy Pipe, Add	*57.71*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.37*	
		For Work In Restricted Working Space, Add	*14.24*	

22 13 16 00-0030 Bell And Spigot Cast Iron Fittings *(22 13 16 00-0019)*

22 13 16 00-0031 Bell And Spigot Cast Iron Long Sweeps *(22 13 16 00-0030)*

22 13 16 00-0032	EA	2" Bell And Spigot Cast Iron Long Sweep	67.39	21.48
		For Extra Heavy Fittings, Add	*12.32*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.61*	
		For Work In Restricted Working Space, Add	*9.65*	
22 13 16 00-0033	EA	3" Bell And Spigot Cast Iron Long Sweep	111.90	27.02
		For Extra Heavy Fittings, Add	*25.01*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.02*	
		For Work In Restricted Working Space, Add	*12.14*	
22 13 16 00-0034	EA	4" Bell And Spigot Cast Iron Long Sweep	149.07	35.92
		For Extra Heavy Fittings, Add	*33.33*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.69*	
		For Work In Restricted Working Space, Add	*16.15*	
22 13 16 00-0035	EA	6" Bell And Spigot Cast Iron Long Sweep	232.64	48.23
		For Extra Heavy Fittings, Add	*56.12*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.62*	
		For Work In Restricted Working Space, Add	*21.69*	
22 13 16 00-0036	EA	8" Bell And Spigot Cast Iron Long Sweep	450.33	61.85
		For Extra Heavy Fittings, Add	*125.17*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.64*	
		For Work In Restricted Working Space, Add	*27.81*	
22 13 16 00-0037	EA	10" Bell And Spigot Cast Iron Long Sweep	613.60	76.10
		For Extra Heavy Fittings, Add	*174.82*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.71*	
		For Work In Restricted Working Space, Add	*34.23*	
22 13 16 00-0038	EA	12" Bell And Spigot Cast Iron Long Sweep	938.00	106.20
		For Extra Heavy Fittings, Add	*272.56*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.96*	
		For Work In Restricted Working Space, Add	*47.78*	
22 13 16 00-0039	EA	15" Bell And Spigot Cast Iron Long Sweep	1,727.90	147.89
		For Extra Heavy Fittings, Add	*527.16*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.09*	
		For Work In Restricted Working Space, Add	*66.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0040		**Bell And Spigot Cast Iron Short Sweeps** *(22 13 16 00-0030)*		
22 13 16 00-0041	EA	2" Bell And Spigot Cast Iron Short Sweep	58.10	21.48
		For Extra Heavy Fittings, Add	*9.07*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.61*	
		For Work In Restricted Working Space, Add	*9.65*	
22 13 16 00-0042	EA	3" Bell And Spigot Cast Iron Short Sweep	96.30	27.02
		For Extra Heavy Fittings, Add	*19.55*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.02*	
		For Work In Restricted Working Space, Add	*12.14*	
22 13 16 00-0043	EA	4" Bell And Spigot Cast Iron Short Sweep	131.53	35.92
		For Extra Heavy Fittings, Add	*27.19*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.69*	
		For Work In Restricted Working Space, Add	*16.15*	
22 13 16 00-0044	EA	5" Bell And Spigot Cast Iron Short Sweep	195.77	41.00
		For Extra Heavy Fittings, Add	*47.02*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.07*	
		For Work In Restricted Working Space, Add	*18.43*	
22 13 16 00-0045	EA	6" Bell And Spigot Cast Iron Short Sweep	235.98	48.23
		For Extra Heavy Fittings, Add	*57.29*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.62*	
		For Work In Restricted Working Space, Add	*21.69*	
22 13 16 00-0046	EA	8" Bell And Spigot Cast Iron Short Sweep	383.08	61.85
		For Extra Heavy Fittings, Add	*101.63*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.64*	
		For Work In Restricted Working Space, Add	*27.81*	
22 13 16 00-0047	EA	10" Bell And Spigot Cast Iron Short Sweep	556.23	76.10
		For Extra Heavy Fittings, Add	*154.74*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.71*	
		For Work In Restricted Working Space, Add	*34.23*	
22 13 16 00-0048	EA	12" Bell And Spigot Cast Iron Short Sweep	916.61	106.20
		For Extra Heavy Fittings, Add	*265.08*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.96*	
		For Work In Restricted Working Space, Add	*47.78*	
22 13 16 00-0049		**Bell And Spigot Cast Iron 1/4 Bends** *(22 13 16 00-0030)*		
22 13 16 00-0050	EA	2" Bell And Spigot Cast Iron 1/4 Bend	52.82	21.40
		For Extra Heavy Fittings, Add	*7.25*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.61*	
		For Work In Restricted Working Space, Add	*9.64*	
22 13 16 00-0051	EA	3" Bell And Spigot Cast Iron 1/4 Bend	77.51	24.09
		For Extra Heavy Fittings, Add	*14.48*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.81*	
		For Work In Restricted Working Space, Add	*10.85*	
22 13 16 00-0052	EA	4" Bell And Spigot Cast Iron 1/4 Bend	110.21	32.10
		For Extra Heavy Fittings, Add	*21.73*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.41*	
		For Work In Restricted Working Space, Add	*14.44*	
22 13 16 00-0053	EA	5" Bell And Spigot Cast Iron 1/4 Bend	138.24	36.61
		For Extra Heavy Fittings, Add	*29.19*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.74*	
		For Work In Restricted Working Space, Add	*16.46*	
22 13 16 00-0054	EA	6" Bell And Spigot Cast Iron 1/4 Bend	166.23	43.85
		For Extra Heavy Fittings, Add	*35.16*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.29*	
		For Work In Restricted Working Space, Add	*19.73*	
22 13 16 00-0055	EA	8" Bell And Spigot Cast Iron 1/4 Bend	334.64	56.96
		For Extra Heavy Fittings, Add	*87.24*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.27*	
		For Work In Restricted Working Space, Add	*25.61*	
22 13 16 00-0056	EA	10" Bell And Spigot Cast Iron 1/4 Bend	489.29	69.12
		For Extra Heavy Fittings, Add	*134.98*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.18*	
		For Work In Restricted Working Space, Add	*31.09*	
22 13 16 00-0057	EA	12" Bell And Spigot Cast Iron 1/4 Bend	642.36	81.58
		For Extra Heavy Fittings, Add	*182.01*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.12*	
		For Work In Restricted Working Space, Add	*36.70*	
22 13 16 00-0058	EA	15" Bell And Spigot Cast Iron 1/4 Bend	1,618.77	128.68
		For Extra Heavy Fittings, Add	*499.06*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.64*	
		For Work In Restricted Working Space, Add	*57.87*	
22 13 16 00-0059		**Bell And Spigot Cast Iron 1/8 Bends** *(22 13 16 00-0030)*		
22 13 16 00-0060	EA	2" Bell And Spigot Cast Iron 1/8 Bend	48.70	21.48
		For Extra Heavy Fittings, Add	*5.78*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.61*	
		For Work In Restricted Working Space, Add	*9.65*	
22 13 16 00-0061	EA	3" Bell And Spigot Cast Iron 1/8 Bend	74.55	27.02
		For Extra Heavy Fittings, Add	*11.94*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.02*	
		For Work In Restricted Working Space, Add	*12.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0062	EA	4" Bell And Spigot Cast Iron 1/8 Bend	105.58	35.92
		For Extra Heavy Fittings, Add	*18.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.69*	
		For Work In Restricted Working Space, Add	*16.15*	
22 13 16 00-0063	EA	5" Bell And Spigot Cast Iron 1/8 Bend	133.91	45.81
		For Extra Heavy Fittings, Add	*22.83*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.43*	
		For Work In Restricted Working Space, Add	*20.60*	
22 13 16 00-0064	EA	6" Bell And Spigot Cast Iron 1/8 Bend	154.31	51.08
		For Extra Heavy Fittings, Add	*27.19*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.83*	
		For Work In Restricted Working Space, Add	*22.99*	
22 13 16 00-0065	EA	8" Bell And Spigot Cast Iron 1/8 Bend	296.68	68.23
		For Extra Heavy Fittings, Add	*68.03*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.12*	
		For Work In Restricted Working Space, Add	*30.69*	
22 13 16 00-0066	EA	10" Bell And Spigot Cast Iron 1/8 Bend	411.74	84.18
		For Extra Heavy Fittings, Add	*99.93*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.31*	
		For Work In Restricted Working Space, Add	*37.87*	
22 13 16 00-0067	EA	12" Bell And Spigot Cast Iron 1/8 Bend	657.64	109.18
		For Extra Heavy Fittings, Add	*172.90*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.18*	
		For Work In Restricted Working Space, Add	*49.09*	
22 13 16 00-0068	EA	15" Bell And Spigot Cast Iron 1/8 Bend	1,237.37	128.68
		For Extra Heavy Fittings, Add	*365.57*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.64*	
		For Work In Restricted Working Space, Add	*57.87*	

22 13 16 00-0069 Bell And Spigot Cast Iron Wyes *(22 13 16 00-0030)*

22 13 16 00-0070	EA	2" Bell And Spigot Cast Iron Wye	87.86	47.97
		For Extra Heavy Fittings, Add	*5.57*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.60*	
		For Work In Restricted Working Space, Add	*21.59*	
22 13 16 00-0071	EA	3" Bell And Spigot Cast Iron Wye	108.56	52.54
		For Extra Heavy Fittings, Add	*10.42*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.94*	
		For Work In Restricted Working Space, Add	*23.63*	
22 13 16 00-0072	EA	4" Bell And Spigot Cast Iron Wye	142.83	68.85
		For Extra Heavy Fittings, Add	*13.87*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.16*	
		For Work In Restricted Working Space, Add	*30.96*	
22 13 16 00-0073	EA	5" Bell And Spigot Cast Iron Wye	184.28	78.85
		For Extra Heavy Fittings, Add	*23.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.91*	
		For Work In Restricted Working Space, Add	*35.48*	
22 13 16 00-0074	EA	6" Bell And Spigot Cast Iron Wye	229.61	93.46
		For Extra Heavy Fittings, Add	*31.31*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.01*	
		For Work In Restricted Working Space, Add	*42.05*	
22 13 16 00-0075	EA	8" Bell And Spigot Cast Iron Wye	406.20	124.60
		For Extra Heavy Fittings, Add	*76.78*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.34*	
		For Work In Restricted Working Space, Add	*56.05*	
22 13 16 00-0076	EA	10" Bell And Spigot Cast Iron Wye	560.11	141.36
		For Extra Heavy Fittings, Add	*121.87*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.60*	
		For Work In Restricted Working Space, Add	*63.57*	
22 13 16 00-0077	EA	12" Bell And Spigot Cast Iron Wye	818.15	172.07
		For Extra Heavy Fittings, Add	*196.06*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.90*	
		For Work In Restricted Working Space, Add	*77.39*	
22 13 16 00-0078	EA	15" Bell And Spigot Cast Iron Wye	1,248.64	193.06
		For Extra Heavy Fittings, Add	*335.72*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.47*	
		For Work In Restricted Working Space, Add	*86.83*	

22 13 16 00-0079 Bell And Spigot Cast Iron Reducing Wyes *(22 13 16 00-0030)*

22 13 16 00-0080	EA	3" x 2" Bell And Spigot Cast Iron Reducing Wye	132.36	50.14
		For Extra Heavy Fittings, Add	*20.01*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.76*	
		For Work In Restricted Working Space, Add	*22.56*	
22 13 16 00-0081	EA	4" x 2" Bell And Spigot Cast Iron Reducing Wye	161.35	61.97
		For Extra Heavy Fittings, Add	*23.94*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.65*	
		For Work In Restricted Working Space, Add	*27.88*	
22 13 16 00-0082	EA	4" x 3" Bell And Spigot Cast Iron Reducing Wye	178.59	63.54
		For Extra Heavy Fittings, Add	*29.15*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.77*	
		For Work In Restricted Working Space, Add	*28.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0083	EA	6" x 2" Bell And Spigot Cast Iron Reducing Wye	264.31	83.75
		For Extra Heavy Fittings, Add	*48.58*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.28*	
		For Work In Restricted Working Space, Add	*37.65*	
22 13 16 00-0084	EA	6" x 3" Bell And Spigot Cast Iron Reducing Wye	270.99	85.28
		For Extra Heavy Fittings, Add	*50.09*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.39*	
		For Work In Restricted Working Space, Add	*38.37*	
22 13 16 00-0085	EA	6" x 4" Bell And Spigot Cast Iron Reducing Wye	284.14	90.98
		For Extra Heavy Fittings, Add	*51.71*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.82*	
		For Work In Restricted Working Space, Add	*40.92*	
22 13 16 00-0086	EA	8" x 2" Bell And Spigot Cast Iron Reducing Wye	407.66	100.20
		For Extra Heavy Fittings, Add	*90.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.51*	
		For Work In Restricted Working Space, Add	*45.06*	
22 13 16 00-0087	EA	8" x 3" Bell And Spigot Cast Iron Reducing Wye	425.40	102.13
		For Extra Heavy Fittings, Add	*95.31*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.65*	
		For Work In Restricted Working Space, Add	*45.92*	
22 13 16 00-0088	EA	8" x 4" Bell And Spigot Cast Iron Reducing Wye	436.33	106.95
		For Extra Heavy Fittings, Add	*96.59*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.02*	
		For Work In Restricted Working Space, Add	*48.11*	
22 13 16 00-0089	EA	8" x 6" Bell And Spigot Cast Iron Reducing Wye	513.51	118.97
		For Extra Heavy Fittings, Add	*117.29*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.92*	
		For Work In Restricted Working Space, Add	*53.52*	
22 13 16 00-0090	EA	10" x 3" Bell And Spigot Cast Iron Reducing Wye	623.55	111.48
		For Extra Heavy Fittings, Add	*159.74*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.36*	
		For Work In Restricted Working Space, Add	*50.14*	
22 13 16 00-0091	EA	10" x 4" Bell And Spigot Cast Iron Reducing Wye	648.76	116.37
		For Extra Heavy Fittings, Add	*165.99*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.73*	
		For Work In Restricted Working Space, Add	*52.35*	
22 13 16 00-0092	EA	10" x 6" Bell And Spigot Cast Iron Reducing Wye	710.11	128.68
		For Extra Heavy Fittings, Add	*181.03*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.64*	
		For Work In Restricted Working Space, Add	*57.87*	
22 13 16 00-0093	EA	10" x 8" Bell And Spigot Cast Iron Reducing Wye	929.69	136.47
		For Extra Heavy Fittings, Add	*253.78*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.23*	
		For Work In Restricted Working Space, Add	*61.38*	
22 13 16 00-0094	EA	12" x 4" Bell And Spigot Cast Iron Reducing Wye	955.80	136.47
		For Extra Heavy Fittings, Add	*262.92*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.23*	
		For Work In Restricted Working Space, Add	*61.38*	
22 13 16 00-0095	EA	12" x 6" Bell And Spigot Cast Iron Reducing Wye	996.39	147.89
		For Extra Heavy Fittings, Add	*271.13*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.09*	
		For Work In Restricted Working Space, Add	*66.52*	
22 13 16 00-0096	EA	12" x 8" Bell And Spigot Cast Iron Reducing Wye	1,164.99	155.23
		For Extra Heavy Fittings, Add	*326.31*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.63*	
		For Work In Restricted Working Space, Add	*69.80*	
22 13 16 00-0097	EA	12" x 10" Bell And Spigot Cast Iron Reducing Wye	1,408.25	159.83
		For Extra Heavy Fittings, Add	*409.01*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.98*	
		For Work In Restricted Working Space, Add	*71.89*	
22 13 16 00-0098	EA	15" x 4" Bell And Spigot Cast Iron Reducing Wye	2,297.46	150.71
		For Extra Heavy Fittings, Add	*725.03*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.30*	
		For Work In Restricted Working Space, Add	*67.79*	
22 13 16 00-0099	EA	15" x 6" Bell And Spigot Cast Iron Reducing Wye	2,399.36	163.10
		For Extra Heavy Fittings, Add	*754.18*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.23*	
		For Work In Restricted Working Space, Add	*73.37*	
22 13 16 00-0100	EA	15" x 8" Bell And Spigot Cast Iron Reducing Wye	2,449.54	170.14
		For Extra Heavy Fittings, Add	*768.06*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.75*	
		For Work In Restricted Working Space, Add	*76.53*	
22 13 16 00-0101	EA	15" x 10" Bell And Spigot Cast Iron Reducing Wye	2,507.07	175.92
		For Extra Heavy Fittings, Add	*785.18*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.19*	
		For Work In Restricted Working Space, Add	*79.11*	
22 13 16 00-0102	EA	15" x 12" Bell And Spigot Cast Iron Reducing Wye	2,572.03	186.16
		For Extra Heavy Fittings, Add	*802.53*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.95*	
		For Work In Restricted Working Space, Add	*83.73*	

22 13 16 00-0103 Bell And Spigot Cast Iron Combination Wye And 1/8 Bends *(22 13 16 00-0030)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0104	EA	2" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	94.66	47.97
		For Extra Heavy Fittings, Add	*7.95*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.60*	
		For Work In Restricted Working Space, Add	*21.59*	
22 13 16 00-0105	EA	3" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	112.75	52.54
		For Extra Heavy Fittings, Add	*11.89*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.94*	
		For Work In Restricted Working Space, Add	*23.63*	
22 13 16 00-0106	EA	4" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	150.13	68.85
		For Extra Heavy Fittings, Add	*16.43*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.16*	
		For Work In Restricted Working Space, Add	*30.96*	
22 13 16 00-0107	EA	5" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	209.01	82.72
		For Extra Heavy Fittings, Add	*29.76*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.20*	
		For Work In Restricted Working Space, Add	*37.19*	
22 13 16 00-0108	EA	6" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	261.47	102.60
		For Extra Heavy Fittings, Add	*37.68*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.69*	
		For Work In Restricted Working Space, Add	*46.14*	
22 13 16 00-0109	EA	8" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	463.24	134.17
		For Extra Heavy Fittings, Add	*91.74*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.06*	
		For Work In Restricted Working Space, Add	*60.34*	
22 13 16 00-0110	EA	10" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	663.60	175.92
		For Extra Heavy Fittings, Add	*139.96*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.19*	
		For Work In Restricted Working Space, Add	*79.11*	
22 13 16 00-0111	EA	12" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	887.05	226.14
		For Extra Heavy Fittings, Add	*191.80*	
		For Above Ground Cast Iron Pipe Installation, Add	*16.95*	
		For Work In Restricted Working Space, Add	*101.72*	
22 13 16 00-0112		**Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bends** *(22 13 16 00-0030)*		
22 13 16 00-0113	EA	3" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	100.67	50.14
		For Extra Heavy Fittings, Add	*8.92*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.76*	
		For Work In Restricted Working Space, Add	*22.56*	
22 13 16 00-0114	EA	4" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	139.74	61.97
		For Extra Heavy Fittings, Add	*16.38*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.65*	
		For Work In Restricted Working Space, Add	*27.88*	
22 13 16 00-0115	EA	4" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	150.07	63.54
		For Extra Heavy Fittings, Add	*19.17*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.77*	
		For Work In Restricted Working Space, Add	*28.59*	
22 13 16 00-0116	EA	6" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	223.41	83.75
		For Extra Heavy Fittings, Add	*34.27*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.28*	
		For Work In Restricted Working Space, Add	*37.65*	
22 13 16 00-0117	EA	6" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	232.16	85.28
		For Extra Heavy Fittings, Add	*36.49*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.39*	
		For Work In Restricted Working Space, Add	*38.37*	
22 13 16 00-0118	EA	6" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	246.25	90.98
		For Extra Heavy Fittings, Add	*38.44*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.82*	
		For Work In Restricted Working Space, Add	*40.92*	
22 13 16 00-0119	EA	8" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	331.69	100.20
		For Extra Heavy Fittings, Add	*63.52*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.51*	
		For Work In Restricted Working Space, Add	*45.06*	
22 13 16 00-0120	EA	8" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	341.85	106.95
		For Extra Heavy Fittings, Add	*63.52*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.02*	
		For Work In Restricted Working Space, Add	*48.11*	
22 13 16 00-0121	EA	8" x 6" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	427.53	118.97
		For Extra Heavy Fittings, Add	*87.20*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.92*	
		For Work In Restricted Working Space, Add	*53.52*	
22 13 16 00-0122		**Bell And Spigot Cast Iron Double Wyes** *(22 13 16 00-0030)*		
22 13 16 00-0123	EA	2" Bell And Spigot Cast Iron Double Wye	148.81	57.39
		For Extra Heavy Fittings, Add	*21.98*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.30*	
		For Work In Restricted Working Space, Add	*25.81*	
22 13 16 00-0124	EA	3" Bell And Spigot Cast Iron Double Wye	213.88	72.36
		For Extra Heavy Fittings, Add	*36.90*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.42*	
		For Work In Restricted Working Space, Add	*32.54*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0125	EA	4" Bell And Spigot Cast Iron Double Wye	288.62	91.52
		For Extra Heavy Fittings, Add	*52.98*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.86*	
		For Work In Restricted Working Space, Add	*41.18*	
22 13 16 00-0126	EA	6" Bell And Spigot Cast Iron Double Wye	551.07	143.59
		For Extra Heavy Fittings, Add	*117.52*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.76*	
		For Work In Restricted Working Space, Add	*64.59*	
22 13 16 00-0127	EA	8" Bell And Spigot Cast Iron Double Wye	1,069.78	168.43
		For Extra Heavy Fittings, Add	*286.06*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.62*	
		For Work In Restricted Working Space, Add	*75.74*	
22 13 16 00-0128	EA	10" Bell And Spigot Cast Iron Double Wye	1,408.52	188.46
		For Extra Heavy Fittings, Add	*394.09*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.13*	
		For Work In Restricted Working Space, Add	*84.76*	
22 13 16 00-0129	EA	12" Bell And Spigot Cast Iron Double Wye	1,001.91	226.14
		For Extra Heavy Fittings, Add	*232.00*	
		For Above Ground Cast Iron Pipe Installation, Add	*16.95*	
		For Work In Restricted Working Space, Add	*101.72*	
22 13 16 00-0130	EA	15" Bell And Spigot Cast Iron Double Wye	2,719.29	237.34
		For Extra Heavy Fittings, Add	*827.15*	
		For Above Ground Cast Iron Pipe Installation, Add	*17.80*	
		For Work In Restricted Working Space, Add	*106.80*	

22 13 16 00-0131 Bell And Spigot Cast Iron Reducing Double Wyes *(22 13 16 00-0030)*

22 13 16 00-0132	EA	3" x 2" Bell And Spigot Cast Iron Reducing Double Wye	138.84	67.88
		For Extra Heavy Fittings, Add	*12.97*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.09*	
		For Work In Restricted Working Space, Add	*30.54*	
22 13 16 00-0133	EA	4" x 2" Bell And Spigot Cast Iron Reducing Double Wye	161.12	77.98
		For Extra Heavy Fittings, Add	*15.47*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.85*	
		For Work In Restricted Working Space, Add	*35.08*	
22 13 16 00-0134	EA	4" x 3" Bell And Spigot Cast Iron Reducing Double Wye	173.88	81.79
		For Extra Heavy Fittings, Add	*17.92*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.13*	
		For Work In Restricted Working Space, Add	*36.81*	
22 13 16 00-0135	EA	6" x 2" Bell And Spigot Cast Iron Reducing Double Wye	225.72	99.60
		For Extra Heavy Fittings, Add	*26.74*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.47*	
		For Work In Restricted Working Space, Add	*44.79*	
22 13 16 00-0136	EA	6" x 3" Bell And Spigot Cast Iron Reducing Double Wye	238.69	103.40
		For Extra Heavy Fittings, Add	*29.29*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.75*	
		For Work In Restricted Working Space, Add	*46.50*	
22 13 16 00-0137	EA	6" x 4" Bell And Spigot Cast Iron Reducing Double Wye	272.96	112.76
		For Extra Heavy Fittings, Add	*36.37*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.45*	
		For Work In Restricted Working Space, Add	*50.72*	
22 13 16 00-0138	EA	8" x 4" Bell And Spigot Cast Iron Reducing Double Wye	425.25	129.79
		For Extra Heavy Fittings, Add	*80.75*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.73*	
		For Work In Restricted Working Space, Add	*58.36*	
22 13 16 00-0139	EA	8" x 6" Bell And Spigot Cast Iron Reducing Double Wye	466.43	153.60
		For Extra Heavy Fittings, Add	*82.64*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.52*	
		For Work In Restricted Working Space, Add	*69.10*	
22 13 16 00-0140	EA	10" x 4" Bell And Spigot Cast Iron Reducing Double Wye	453.18	138.84
		For Extra Heavy Fittings, Add	*85.75*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.41*	
		For Work In Restricted Working Space, Add	*62.46*	
22 13 16 00-0141	EA	10" x 6" Bell And Spigot Cast Iron Reducing Double Wye	528.49	163.10
		For Extra Heavy Fittings, Add	*99.37*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.23*	
		For Work In Restricted Working Space, Add	*73.37*	
22 13 16 00-0142	EA	10" x 8" Bell And Spigot Cast Iron Reducing Double Wye	645.13	177.77
		For Extra Heavy Fittings, Add	*132.50*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.33*	
		For Work In Restricted Working Space, Add	*79.97*	
22 13 16 00-0143	EA	12" x 6" Bell And Spigot Cast Iron Reducing Double Wye	659.01	181.86
		For Extra Heavy Fittings, Add	*135.22*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.63*	
		For Work In Restricted Working Space, Add	*81.80*	
22 13 16 00-0144	EA	12" x 8" Bell And Spigot Cast Iron Reducing Double Wye	833.29	197.87
		For Extra Heavy Fittings, Add	*187.82*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.83*	
		For Work In Restricted Working Space, Add	*89.00*	

22 13 16 00-0145 Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bends *(22 13 16 00-0030)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0146	EA	2" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	126.31	57.39
		For Extra Heavy Fittings, Add	*14.10*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.30*	
		For Work In Restricted Working Space, Add	*25.81*	
22 13 16 00-0147	EA	3" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	169.99	76.78
		For Extra Heavy Fittings, Add	*19.20*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.76*	
		For Work In Restricted Working Space, Add	*34.54*	
22 13 16 00-0148	EA	4" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	221.12	96.01
		For Extra Heavy Fittings, Add	*27.02*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.20*	
		For Work In Restricted Working Space, Add	*43.18*	
22 13 16 00-0149	EA	6" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	479.96	160.48
		For Extra Heavy Fittings, Add	*83.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.03*	
		For Work In Restricted Working Space, Add	*72.19*	

22 13 16 00-0150 Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bends *(22 13 16 00-0030)*

22 13 16 00-0151	EA	3" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	166.88	68.85
		For Extra Heavy Fittings, Add	*22.29*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.16*	
		For Work In Restricted Working Space, Add	*30.96*	
22 13 16 00-0152	EA	4" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	197.16	77.98
		For Extra Heavy Fittings, Add	*28.08*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.85*	
		For Work In Restricted Working Space, Add	*35.08*	
22 13 16 00-0153	EA	4" x 3" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	221.16	86.81
		For Extra Heavy Fittings, Add	*31.87*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.51*	
		For Work In Restricted Working Space, Add	*39.03*	
22 13 16 00-0154	EA	6" x 4" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	435.00	119.70
		For Extra Heavy Fittings, Add	*89.43*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.97*	
		For Work In Restricted Working Space, Add	*53.85*	

22 13 16 00-0155 Bell And Spigot Cast Iron Sanitary Tees *(22 13 16 00-0030)*

22 13 16 00-0156	EA	2" Bell And Spigot Cast Iron Sanitary Tee	103.42	48.05
		For Extra Heavy Fittings, Add	*10.99*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.60*	
		For Work In Restricted Working Space, Add	*21.61*	
22 13 16 00-0157	EA	3" Bell And Spigot Cast Iron Sanitary Tee	117.12	52.54
		For Extra Heavy Fittings, Add	*13.42*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.94*	
		For Work In Restricted Working Space, Add	*23.63*	
22 13 16 00-0158	EA	4" Bell And Spigot Cast Iron Sanitary Tee	183.79	64.35
		For Extra Heavy Fittings, Add	*30.54*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.83*	
		For Work In Restricted Working Space, Add	*28.96*	
22 13 16 00-0159	EA	5" Bell And Spigot Cast Iron Sanitary Tee	264.73	72.93
		For Extra Heavy Fittings, Add	*54.37*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.47*	
		For Work In Restricted Working Space, Add	*32.82*	
22 13 16 00-0160	EA	6" Bell And Spigot Cast Iron Sanitary Tee	317.56	87.48
		For Extra Heavy Fittings, Add	*65.24*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.56*	
		For Work In Restricted Working Space, Add	*39.35*	
22 13 16 00-0161	EA	8" Bell And Spigot Cast Iron Sanitary Tee	661.48	113.85
		For Extra Heavy Fittings, Add	*171.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.54*	
		For Work In Restricted Working Space, Add	*51.21*	
22 13 16 00-0162	EA	10" Bell And Spigot Cast Iron Sanitary Tee	985.50	138.84
		For Extra Heavy Fittings, Add	*272.06*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.41*	
		For Work In Restricted Working Space, Add	*62.46*	
22 13 16 00-0163	EA	12" Bell And Spigot Cast Iron Sanitary Tee	1,458.79	163.10
		For Extra Heavy Fittings, Add	*424.98*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.23*	
		For Work In Restricted Working Space, Add	*73.37*	

22 13 16 00-0164 Bell And Spigot Cast Iron Reducing Sanitary Tees *(22 13 16 00-0030)*

22 13 16 00-0165	EA	3" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	135.34	50.14
		For Extra Heavy Fittings, Add	*21.05*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.76*	
		For Work In Restricted Working Space, Add	*22.56*	
22 13 16 00-0166	EA	4" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	160.10	58.74
		For Extra Heavy Fittings, Add	*25.22*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.40*	
		For Work In Restricted Working Space, Add	*26.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0167	EA	4" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee	167.04	58.74
		For Extra Heavy Fittings, Add	*27.65*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.40*	
		For Work In Restricted Working Space, Add	*26.42*	
22 13 16 00-0168	EA	6" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	255.05	83.75
		For Extra Heavy Fittings, Add	*45.34*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.28*	
		For Work In Restricted Working Space, Add	*37.65*	
22 13 16 00-0169	EA	6" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee	265.04	85.28
		For Extra Heavy Fittings, Add	*48.00*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.39*	
		For Work In Restricted Working Space, Add	*38.37*	
22 13 16 00-0170	EA	6" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee	287.11	90.98
		For Extra Heavy Fittings, Add	*52.75*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.82*	
		For Work In Restricted Working Space, Add	*40.92*	
22 13 16 00-0171	EA	8" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee	475.66	106.95
		For Extra Heavy Fittings, Add	*110.35*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.02*	
		For Work In Restricted Working Space, Add	*48.11*	
22 13 16 00-0172	EA	8" x 6" Bell And Spigot Cast Iron Reducing Sanitary Tee	593.15	118.97
		For Extra Heavy Fittings, Add	*145.17*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.92*	
		For Work In Restricted Working Space, Add	*53.52*	

22 13 16 00-0173 Bell And Spigot Cast Iron Vent Tees *(22 13 16 00-0030)*

22 13 16 00-0174	EA	2" Bell And Spigot Cast Iron Vent Tee	90.30	47.97
		For Extra Heavy Fittings, Add	*6.42*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.60*	
		For Work In Restricted Working Space, Add	*21.59*	
22 13 16 00-0175	EA	3" Bell And Spigot Cast Iron Vent Tee	110.71	52.54
		For Extra Heavy Fittings, Add	*11.18*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.94*	
		For Work In Restricted Working Space, Add	*23.63*	
22 13 16 00-0176	EA	4" Bell And Spigot Cast Iron Vent Tee	146.46	68.85
		For Extra Heavy Fittings, Add	*15.14*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.16*	
		For Work In Restricted Working Space, Add	*30.96*	
22 13 16 00-0177	EA	5" Bell And Spigot Cast Iron Vent Tee	188.52	82.72
		For Extra Heavy Fittings, Add	*22.59*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.20*	
		For Work In Restricted Working Space, Add	*37.19*	
22 13 16 00-0178	EA	6" Bell And Spigot Cast Iron Vent Tee	236.95	102.60
		For Extra Heavy Fittings, Add	*29.10*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.69*	
		For Work In Restricted Working Space, Add	*46.14*	
22 13 16 00-0179	EA	8" Bell And Spigot Cast Iron Vent Tee	394.63	134.17
		For Extra Heavy Fittings, Add	*67.73*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.06*	
		For Work In Restricted Working Space, Add	*60.34*	

22 13 16 00-0180 Bell And Spigot Cast Iron Tapped Sanitary Tees *(22 13 16 00-0030)*

22 13 16 00-0181	EA	2" Bell And Spigot Cast Iron Tapped Sanitary Tee	92.45	47.97
		For Extra Heavy Fittings, Add	*7.17*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.60*	
		For Work In Restricted Working Space, Add	*21.59*	
22 13 16 00-0182	EA	3" Bell And Spigot Cast Iron Tapped Sanitary Tee	101.95	52.54
		For Extra Heavy Fittings, Add	*8.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.94*	
		For Work In Restricted Working Space, Add	*23.63*	
22 13 16 00-0183	EA	4" Bell And Spigot Cast Iron Tapped Sanitary Tee	131.75	68.85
		For Extra Heavy Fittings, Add	*9.99*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.16*	
		For Work In Restricted Working Space, Add	*30.96*	

22 13 16 00-0184 Bell And Spigot Cast Iron Tapped Sanitary Crosses *(22 13 16 00-0030)*

22 13 16 00-0185	EA	2" Bell And Spigot Cast Iron Tapped Sanitary Cross	93.81	47.97
		For Extra Heavy Fittings, Add	*7.65*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.60*	
		For Work In Restricted Working Space, Add	*21.59*	
22 13 16 00-0186	EA	3" Bell And Spigot Cast Iron Tapped Sanitary Cross	104.52	52.54
		For Extra Heavy Fittings, Add	*9.01*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.94*	
		For Work In Restricted Working Space, Add	*23.63*	
22 13 16 00-0187	EA	4" Bell And Spigot Cast Iron Tapped Sanitary Cross	138.23	68.85
		For Extra Heavy Fittings, Add	*12.26*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.16*	
		For Work In Restricted Working Space, Add	*30.96*	

22 13 16 00-0188 Bell And Spigot Cast Iron Reducers *(22 13 16 00-0030)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0189	EA	3" x 2" Bell And Spigot Cast Iron Reducer	52.05	27.02
		For Extra Heavy Fittings, Add	*4.06*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.02*	
		For Work In Restricted Working Space, Add	*12.14*	
22 13 16 00-0190	EA	4" x 2" Bell And Spigot Cast Iron Reducer	65.59	35.62
		For Extra Heavy Fittings, Add	*4.25*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.67*	
		For Work In Restricted Working Space, Add	*16.04*	
22 13 16 00-0191	EA	4" x 3" Bell And Spigot Cast Iron Reducer	69.60	35.92
		For Extra Heavy Fittings, Add	*5.52*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.69*	
		For Work In Restricted Working Space, Add	*16.15*	
22 13 16 00-0192	EA	6" x 2" Bell And Spigot Cast Iron Reducer	89.33	44.28
		For Extra Heavy Fittings, Add	*8.02*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.32*	
		For Work In Restricted Working Space, Add	*19.93*	
22 13 16 00-0193	EA	6" x 3" Bell And Spigot Cast Iron Reducer	93.05	44.87
		For Extra Heavy Fittings, Add	*9.01*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.37*	
		For Work In Restricted Working Space, Add	*20.19*	
22 13 16 00-0194	EA	6" x 4" Bell And Spigot Cast Iron Reducer	95.90	45.81
		For Extra Heavy Fittings, Add	*9.53*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.43*	
		For Work In Restricted Working Space, Add	*20.60*	
22 13 16 00-0195	EA	8" x 2" Bell And Spigot Cast Iron Reducer	121.06	47.21
		For Extra Heavy Fittings, Add	*17.59*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.54*	
		For Work In Restricted Working Space, Add	*21.24*	
22 13 16 00-0196	EA	8" x 3" Bell And Spigot Cast Iron Reducer	137.42	57.78
		For Extra Heavy Fittings, Add	*17.78*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.33*	
		For Work In Restricted Working Space, Add	*25.99*	
22 13 16 00-0197	EA	8" x 4" Bell And Spigot Cast Iron Reducer	141.03	59.26
		For Extra Heavy Fittings, Add	*18.25*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.44*	
		For Work In Restricted Working Space, Add	*26.66*	
22 13 16 00-0198	EA	8" x 6" Bell And Spigot Cast Iron Reducer	145.82	61.85
		For Extra Heavy Fittings, Add	*18.59*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.64*	
		For Work In Restricted Working Space, Add	*27.81*	
22 13 16 00-0199	EA	10" x 4" Bell And Spigot Cast Iron Reducer	180.11	69.42
		For Extra Heavy Fittings, Add	*26.60*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.21*	
		For Work In Restricted Working Space, Add	*31.23*	
22 13 16 00-0200	EA	10" x 6" Bell And Spigot Cast Iron Reducer	189.82	72.91
		For Extra Heavy Fittings, Add	*28.16*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.47*	
		For Work In Restricted Working Space, Add	*32.81*	
22 13 16 00-0201	EA	10" x 8" Bell And Spigot Cast Iron Reducer	201.85	76.10
		For Extra Heavy Fittings, Add	*30.71*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.71*	
		For Work In Restricted Working Space, Add	*34.23*	
22 13 16 00-0202	EA	12" x 4" Bell And Spigot Cast Iron Reducer	247.71	82.48
		For Extra Heavy Fittings, Add	*43.44*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.18*	
		For Work In Restricted Working Space, Add	*37.08*	
22 13 16 00-0203	EA	12" x 6" Bell And Spigot Cast Iron Reducer	277.43	96.49
		For Extra Heavy Fittings, Add	*46.45*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.24*	
		For Work In Restricted Working Space, Add	*43.41*	
22 13 16 00-0204	EA	12" x 8" Bell And Spigot Cast Iron Reducer	301.47	109.91
		For Extra Heavy Fittings, Add	*47.83*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.24*	
		For Work In Restricted Working Space, Add	*49.44*	
22 13 16 00-0205	EA	12" x 10" Bell And Spigot Cast Iron Reducer	331.85	126.61
		For Extra Heavy Fittings, Add	*49.71*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.49*	
		For Work In Restricted Working Space, Add	*56.94*	
22 13 16 00-0206	EA	15" x 6" Bell And Spigot Cast Iron Reducer	423.76	126.61
		For Extra Heavy Fittings, Add	*81.88*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.49*	
		For Work In Restricted Working Space, Add	*56.94*	
22 13 16 00-0207	EA	15" x 8" Bell And Spigot Cast Iron Reducer	451.34	136.47
		For Extra Heavy Fittings, Add	*86.36*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.23*	
		For Work In Restricted Working Space, Add	*61.38*	
22 13 16 00-0208	EA	15" x 10" Bell And Spigot Cast Iron Reducer	470.43	143.88
		For Extra Heavy Fittings, Add	*89.13*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.79*	
		For Work In Restricted Working Space, Add	*64.73*	
22 13 16 00-0209	EA	15" x 12" Bell And Spigot Cast Iron Reducer	496.21	153.60
		For Extra Heavy Fittings, Add	*93.06*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.52*	
		For Work In Restricted Working Space, Add	*69.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0210		**Bell And Spigot Cast Iron P-Traps** *(22 13 16 00-0030)*		
22 13 16 00-0211	EA	2" Bell And Spigot Cast Iron P-Trap	52.01	21.48
		For Extra Heavy Fittings, Add	*6.94*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.61*	
		For Work In Restricted Working Space, Add	*9.65*	
22 13 16 00-0212	EA	3" Bell And Spigot Cast Iron P-Trap	69.30	27.02
		For Extra Heavy Fittings, Add	*10.10*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.02*	
		For Work In Restricted Working Space, Add	*12.14*	
22 13 16 00-0213	EA	4" Bell And Spigot Cast Iron P-Trap	94.26	35.92
		For Extra Heavy Fittings, Add	*14.15*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.69*	
		For Work In Restricted Working Space, Add	*16.15*	
22 13 16 00-0214	EA	5" Bell And Spigot Cast Iron P-Trap	148.09	41.00
		For Extra Heavy Fittings, Add	*30.33*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.07*	
		For Work In Restricted Working Space, Add	*18.43*	
22 13 16 00-0215	EA	6" Bell And Spigot Cast Iron P-Trap	197.09	48.23
		For Extra Heavy Fittings, Add	*43.68*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.62*	
		For Work In Restricted Working Space, Add	*21.69*	
22 13 16 00-0216	EA	8" Bell And Spigot Cast Iron P-Trap	425.84	61.85
		For Extra Heavy Fittings, Add	*116.60*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.64*	
		For Work In Restricted Working Space, Add	*27.81*	
22 13 16 00-0217	EA	10" Bell And Spigot Cast Iron P-Trap	474.01	76.10
		For Extra Heavy Fittings, Add	*125.97*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.71*	
		For Work In Restricted Working Space, Add	*34.23*	
22 13 16 00-0218		**Bell And Spigot Cast Iron Deep Seal P-Traps** *(22 13 16 00-0030)*		
22 13 16 00-0219	EA	2" Bell And Spigot Cast Iron Deep Seal P-Trap	59.54	21.48
		For Extra Heavy Fittings, Add	*9.58*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.61*	
		For Work In Restricted Working Space, Add	*9.65*	
22 13 16 00-0220	EA	3" Bell And Spigot Cast Iron Deep Seal P-Trap	84.11	27.02
		For Extra Heavy Fittings, Add	*15.28*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.02*	
		For Work In Restricted Working Space, Add	*12.14*	
22 13 16 00-0221	EA	4" Bell And Spigot Cast Iron Deep Seal P-Trap	121.79	35.92
		For Extra Heavy Fittings, Add	*23.78*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.69*	
		For Work In Restricted Working Space, Add	*16.15*	
22 13 16 00-0222	EA	5" Bell And Spigot Cast Iron Deep Seal P-Trap	198.85	45.81
		For Extra Heavy Fittings, Add	*45.56*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.43*	
		For Work In Restricted Working Space, Add	*20.60*	
22 13 16 00-0223	EA	6" Bell And Spigot Cast Iron Deep Seal P-Trap	211.66	51.08
		For Extra Heavy Fittings, Add	*47.26*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.83*	
		For Work In Restricted Working Space, Add	*22.99*	
22 13 16 00-0224		**Bell And Spigot Cast Iron Running Traps With Single Vent** *(22 13 16 00-0030)*		
22 13 16 00-0225	EA	3" x 3" Bell And Spigot Cast Iron Running Trap With Single Vent	138.01	51.86
		For Above Ground Cast Iron Pipe Installation, Add	*3.94*	
		For Work In Restricted Working Space, Add	*23.63*	
22 13 16 00-0226	EA	4" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	183.83	68.17
		For Above Ground Cast Iron Pipe Installation, Add	*5.16*	
		For Work In Restricted Working Space, Add	*30.96*	
22 13 16 00-0227	EA	5" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	248.68	79.58
		For Above Ground Cast Iron Pipe Installation, Add	*6.02*	
		For Work In Restricted Working Space, Add	*36.09*	
22 13 16 00-0228	EA	6" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	481.97	90.18
		For Above Ground Cast Iron Pipe Installation, Add	*6.82*	
		For Work In Restricted Working Space, Add	*40.92*	
22 13 16 00-0229	EA	8" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	1,532.27	105.76
		For Above Ground Cast Iron Pipe Installation, Add	*8.02*	
		For Work In Restricted Working Space, Add	*48.11*	
22 13 16 00-0230	EA	8" x 6" Bell And Spigot Cast Iron Running Trap With Single Vent	1,659.83	118.00
		For Above Ground Cast Iron Pipe Installation, Add	*8.92*	
		For Work In Restricted Working Space, Add	*53.52*	
22 13 16 00-0231		**Bell And Spigot Cast Running Traps With Double Vent** *(22 13 16 00-0030)*		
22 13 16 00-0232	EA	3" x 3" Bell And Spigot Cast Iron Running Trap With Double Vent	177.65	71.62
		For Above Ground Cast Iron Pipe Installation, Add	*5.42*	
		For Work In Restricted Working Space, Add	*32.54*	
22 13 16 00-0233	EA	4" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent	241.06	90.40
		For Above Ground Cast Iron Pipe Installation, Add	*6.86*	
		For Work In Restricted Working Space, Add	*41.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0234	EA	6" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent	540.13	111.45
		For Above Ground Cast Iron Pipe Installation, Add	*8.45*	
		For Work In Restricted Working Space, Add	*50.72*	
22 13 16 00-0235	EA	6" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent	627.88	134.90
		For Above Ground Cast Iron Pipe Installation, Add	*10.22*	
		For Work In Restricted Working Space, Add	*61.33*	
22 13 16 00-0236	EA	8" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent	1,653.91	128.23
		For Above Ground Cast Iron Pipe Installation, Add	*9.73*	
		For Work In Restricted Working Space, Add	*58.36*	
22 13 16 00-0237	EA	8" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent	1,817.63	152.26
		For Above Ground Cast Iron Pipe Installation, Add	*11.52*	
		For Work In Restricted Working Space, Add	*69.10*	
22 13 16 00-0238	EA	10" x 8" Bell And Spigot Cast Iron Running Trap With Double Vent	2,411.04	175.70
		For Above Ground Cast Iron Pipe Installation, Add	*13.33*	
		For Work In Restricted Working Space, Add	*79.97*	
22 13 16 00-0239	EA	12" x 10" Bell And Spigot Cast Iron Running Trap With Double Vent	3,327.12	203.15
		For Above Ground Cast Iron Pipe Installation, Add	*15.39*	
		For Work In Restricted Working Space, Add	*92.33*	
22 13 16 00-0240	EA	15" x 12" Bell And Spigot Cast Iron Running Trap With Double Vent	6,437.24	234.96
		For Above Ground Cast Iron Pipe Installation, Add	*17.81*	
		For Work In Restricted Working Space, Add	*106.84*	

22 13 16 00-0241 Bell And Spigot Cast Iron Scission Joint Fittings *(22 13 16 00-0030)*

22 13 16 00-0242	EA	2" Bell And Spigot Cast Iron Scission Joint Fitting	102.89	
		For Above Ground Cast Iron Pipe Installation, Add	*1.61*	
		For Work In Restricted Working Space, Add	*9.63*	
22 13 16 00-0243	EA	3" Bell And Spigot Cast Iron Scission Joint Fitting	140.79	
		For Above Ground Cast Iron Pipe Installation, Add	*1.80*	
		For Work In Restricted Working Space, Add	*10.82*	
22 13 16 00-0244	EA	4" Bell And Spigot Cast Iron Scission Joint Fitting	163.49	
		For Above Ground Cast Iron Pipe Installation, Add	*2.42*	
		For Work In Restricted Working Space, Add	*14.50*	
22 13 16 00-0245	EA	5" Bell And Spigot Cast Iron Scission Joint Fitting	201.41	
		For Above Ground Cast Iron Pipe Installation, Add	*2.81*	
		For Work In Restricted Working Space, Add	*16.84*	
22 13 16 00-0246	EA	6" Bell And Spigot Cast Iron Scission Joint Fitting	244.55	
		For Above Ground Cast Iron Pipe Installation, Add	*3.39*	
		For Work In Restricted Working Space, Add	*20.34*	
22 13 16 00-0247	EA	8" Bell And Spigot Cast Iron Scission Joint Fitting	457.38	
		For Above Ground Cast Iron Pipe Installation, Add	*4.28*	
		For Work In Restricted Working Space, Add	*25.71*	

22 13 16 00-0248 Cut And Prepare Existing In-Place Cast Iron Pipe *(22 13 16 00-0019)*

Note: For use when connecting pipe to an existing in-place system.

22 13 16 00-0249	EA	2", Cut And Prepare Existing In-Place Cast Iron Pipe	8.94	
		For Above Ground Cast Iron Pipe Installation, Add	*0.45*	
		For Work In Restricted Working Space, Add	*2.68*	
22 13 16 00-0250	EA	3", Cut And Prepare Existing In-Place Cast Iron Pipe	9.76	
		For Above Ground Cast Iron Pipe Installation, Add	*0.49*	
		For Work In Restricted Working Space, Add	*2.93*	
22 13 16 00-0251	EA	4", Cut And Prepare Existing In-Place Cast Iron Pipe	12.19	
		For Above Ground Cast Iron Pipe Installation, Add	*0.61*	
		For Work In Restricted Working Space, Add	*3.66*	
22 13 16 00-0252	EA	6", Cut And Prepare Existing In-Place Cast Iron Pipe	14.63	
		For Above Ground Cast Iron Pipe Installation, Add	*0.73*	
		For Work In Restricted Working Space, Add	*4.39*	
22 13 16 00-0253	EA	8", Cut And Prepare Existing In-Place Cast Iron Pipe	19.51	
		For Above Ground Cast Iron Pipe Installation, Add	*0.98*	
		For Work In Restricted Working Space, Add	*5.85*	
22 13 16 00-0254	EA	10", Cut And Prepare Existing In-Place Cast Iron Pipe	22.76	
		For Above Ground Cast Iron Pipe Installation, Add	*1.14*	
		For Work In Restricted Working Space, Add	*6.83*	
22 13 16 00-0255	EA	12", Cut And Prepare Existing In-Place Cast Iron Pipe	26.83	
		For Above Ground Cast Iron Pipe Installation, Add	*1.34*	
		For Work In Restricted Working Space, Add	*8.05*	
22 13 16 00-0256	EA	15", Cut And Prepare Existing In-Place Cast Iron Pipe	30.89	
		For Above Ground Cast Iron Pipe Installation, Add	*1.54*	
		For Work In Restricted Working Space, Add	*9.27*	

22 13 16 00-0257 Joint Material *(22 13 16 00-0019)*

Note: Labor costs are included in the installation costs for fittings.

22 13 16 00-0258	LB	Lead (1 LB/Diameter Inch) Joint Material	1.55
22 13 16 00-0259	LB	Oakum (1/8 LB/Diameter Inch) Joint Material	6.87
22 13 16 00-0260	EA	2" Dual Tite Rubber Gasket	0.72
22 13 16 00-0261	EA	3" Dual Tite Rubber Gasket	0.99
22 13 16 00-0262	EA	4" Dual Tite Rubber Gasket	1.23
22 13 16 00-0263	EA	6" Dual Tite Rubber Gasket	2.04
22 13 16 00-0264	EA	8" Dual Tite Rubber Gasket	4.49
22 13 16 00-0265	EA	10" Dual Tite Rubber Gasket	6.89
22 13 16 00-0266	EA	12" Dual Tite Rubber Gasket	8.78
22 13 16 00-0267	EA	15" Dual Tite Rubber Gasket	10.43

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0268		**No Hub Cast Iron Soil Pipe And Fittings** *(22 13 16)* Note: Service Weight. Excludes hangers.		
22 13 16 00-0269		**No Hub Cast Iron Pipe** *(22 13 16 00-0268)* Note: Excludes couplings.		
22 13 16 00-0270	LF	1-1/2" No Hub Cast Iron Pipe	10.01	4.49
		For Below Ground Installation, Add	*0.34*	
		For Work In Restricted Working Space, Add	*2.02*	
22 13 16 00-0271	LF	2" No Hub Cast Iron Pipe	10.67	4.78
		For Below Ground Installation, Add	*0.36*	
		For Work In Restricted Working Space, Add	*2.17*	
22 13 16 00-0272	LF	3" No Hub Cast Iron Pipe	15.23	6.96
		For Below Ground Installation, Add	*0.52*	
		For Work In Restricted Working Space, Add	*3.14*	
22 13 16 00-0273	LF	4" No Hub Cast Iron Pipe	19.77	9.06
		For Below Ground Installation, Add	*0.68*	
		For Work In Restricted Working Space, Add	*4.08*	
22 13 16 00-0274	LF	5" No Hub Cast Iron Pipe	25.35	11.18
		For Below Ground Installation, Add	*0.84*	
		For Work In Restricted Working Space, Add	*5.03*	
22 13 16 00-0275	LF	6" No Hub Cast Iron Pipe	28.89	12.21
		For Below Ground Installation, Add	*0.91*	
		For Work In Restricted Working Space, Add	*5.48*	
22 13 16 00-0276	LF	8" No Hub Cast Iron Pipe	43.08	17.43
		For Below Ground Installation, Add	*1.30*	
		For Work In Restricted Working Space, Add	*7.82*	
22 13 16 00-0277	LF	10" No Hub Cast Iron Pipe	57.86	19.81
		For Below Ground Installation, Add	*1.48*	
		For Work In Restricted Working Space, Add	*8.90*	
22 13 16 00-0278		**No Hub Cast Iron Fittings** *(22 13 16 00-0268)*		
22 13 16 00-0279		**No Hub Cast Iron Long Sweeps** *(22 13 16 00-0278)*		
22 13 16 00-0280	EA	1-1/2" No Hub Cast Iron Long Sweep	40.03	21.25
		For Below Ground Installation, Add	*1.59*	
		For Work In Restricted Working Space, Add	*9.56*	
22 13 16 00-0281	EA	2" No Hub Cast Iron Long Sweep	40.24	21.25
		For Below Ground Installation, Add	*1.59*	
		For Work In Restricted Working Space, Add	*9.56*	
22 13 16 00-0282	EA	3" No Hub Cast Iron Long Sweep	47.01	24.33
		For Below Ground Installation, Add	*1.83*	
		For Work In Restricted Working Space, Add	*10.95*	
22 13 16 00-0283	EA	4" No Hub Cast Iron Long Sweep	63.94	32.18
		For Below Ground Installation, Add	*2.41*	
		For Work In Restricted Working Space, Add	*14.48*	
22 13 16 00-0284	EA	5" No Hub Cast Iron Long Sweep	84.14	36.90
		For Below Ground Installation, Add	*2.77*	
		For Work In Restricted Working Space, Add	*16.59*	
22 13 16 00-0285	EA	6" No Hub Cast Iron Long Sweep	100.01	43.99
		For Below Ground Installation, Add	*3.30*	
		For Work In Restricted Working Space, Add	*19.80*	
22 13 16 00-0286	EA	8" No Hub Cast Iron Long Sweep	177.71	56.52
		For Below Ground Installation, Add	*4.24*	
		For Work In Restricted Working Space, Add	*25.43*	
22 13 16 00-0287		**No Hub Cast Iron Reducing Long Sweeps** *(22 13 16 00-0278)*		
22 13 16 00-0288	EA	3" x 2" No Hub Cast Iron Reducing Long Sweep	55.67	24.33
		For Below Ground Installation, Add	*1.83*	
		For Work In Restricted Working Space, Add	*10.95*	
22 13 16 00-0289	EA	4" x 3" No Hub Cast Iron Reducing Long Sweep	80.45	32.18
		For Below Ground Installation, Add	*2.41*	
		For Work In Restricted Working Space, Add	*14.48*	
22 13 16 00-0290		**No Hub Cast Iron Short Sweeps** *(22 13 16 00-0278)*		
22 13 16 00-0291	EA	2" No Hub Cast Iron Short Sweep	38.50	21.25
		For Below Ground Installation, Add	*1.59*	
		For Work In Restricted Working Space, Add	*9.56*	
22 13 16 00-0292	EA	3" No Hub Cast Iron Short Sweep	45.63	24.33
		For Below Ground Installation, Add	*1.83*	
		For Work In Restricted Working Space, Add	*10.95*	
22 13 16 00-0293	EA	4" No Hub Cast Iron Short Sweep	63.22	32.18
		For Below Ground Installation, Add	*2.41*	
		For Work In Restricted Working Space, Add	*14.48*	
22 13 16 00-0294	EA	5" No Hub Cast Iron Short Sweep	84.41	36.90
		For Below Ground Installation, Add	*2.77*	
		For Work In Restricted Working Space, Add	*16.59*	
22 13 16 00-0295	EA	6" No Hub Cast Iron Short Sweep	95.78	43.99
		For Below Ground Installation, Add	*3.30*	
		For Work In Restricted Working Space, Add	*19.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0296	EA	8" No Hub Cast Iron Short Sweep	164.94	56.52
		For Below Ground Installation, Add	*4.24*	
		For Work In Restricted Working Space, Add	*25.43*	
22 13 16 00-0297	EA	10" No Hub Cast Iron Short Sweep	259.69	79.14
		For Below Ground Installation, Add	*5.93*	
		For Work In Restricted Working Space, Add	*35.60*	

22 13 16 00-0298 No Hub Cast Iron 1/4 Bends *(22 13 16 00-0278)*

22 13 16 00-0299	EA	1-1/2" No Hub Cast Iron 1/4 Bend	35.69	20.36
		For Below Ground Installation, Add	*1.53*	
		For Work In Restricted Working Space, Add	*9.16*	
22 13 16 00-0300	EA	2" No Hub Cast Iron 1/4 Bend	37.30	21.25
		For Below Ground Installation, Add	*1.59*	
		For Work In Restricted Working Space, Add	*9.56*	
22 13 16 00-0301	EA	3" No Hub Cast Iron 1/4 Bend	43.69	24.33
		For Below Ground Installation, Add	*1.83*	
		For Work In Restricted Working Space, Add	*10.95*	
22 13 16 00-0302	EA	4" No Hub Cast Iron 1/4 Bend	58.93	32.18
		For Below Ground Installation, Add	*2.41*	
		For Work In Restricted Working Space, Add	*14.48*	
22 13 16 00-0303	EA	5" No Hub Cast Iron 1/4 Bend	79.08	36.90
		For Below Ground Installation, Add	*2.77*	
		For Work In Restricted Working Space, Add	*16.59*	
22 13 16 00-0304	EA	6" No Hub Cast Iron 1/4 Bend	92.37	43.99
		For Below Ground Installation, Add	*3.30*	
		For Work In Restricted Working Space, Add	*19.80*	
22 13 16 00-0305	EA	8" No Hub Cast Iron 1/4 Bend	154.99	56.52
		For Below Ground Installation, Add	*4.24*	
		For Work In Restricted Working Space, Add	*25.43*	

22 13 16 00-0306 No Hub Cast Iron 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0307	EA	1-1/2" No Hub Cast Iron 1/8 Bend	34.59	20.36
		For Below Ground Installation, Add	*1.53*	
		For Work In Restricted Working Space, Add	*9.16*	
22 13 16 00-0308	EA	2" No Hub Cast Iron 1/8 Bend	35.99	21.25
		For Below Ground Installation, Add	*1.59*	
		For Work In Restricted Working Space, Add	*9.56*	
22 13 16 00-0309	EA	3" No Hub Cast Iron 1/8 Bend	42.40	24.33
		For Below Ground Installation, Add	*1.83*	
		For Work In Restricted Working Space, Add	*10.95*	
22 13 16 00-0310	EA	4" No Hub Cast Iron 1/8 Bend	56.03	32.18
		For Below Ground Installation, Add	*2.41*	
		For Work In Restricted Working Space, Add	*14.48*	
22 13 16 00-0311	EA	6" No Hub Cast Iron 1/8 Bend	88.97	47.52
		For Below Ground Installation, Add	*3.56*	
		For Work In Restricted Working Space, Add	*21.38*	
22 13 16 00-0312	EA	8" No Hub Cast Iron 1/8 Bend	140.66	62.41
		For Below Ground Installation, Add	*4.68*	
		For Work In Restricted Working Space, Add	*28.07*	
22 13 16 00-0313	EA	10" No Hub Cast Iron 1/8 Bend	203.99	76.78
		For Below Ground Installation, Add	*5.76*	
		For Work In Restricted Working Space, Add	*34.54*	

22 13 16 00-0314 No Hub Cast Iron Wyes *(22 13 16 00-0278)*

22 13 16 00-0315	EA	1-1/2" No Hub Cast Iron Wye	55.17	32.03
		For Below Ground Installation, Add	*2.40*	
		For Work In Restricted Working Space, Add	*14.39*	
22 13 16 00-0316	EA	2" No Hub Cast Iron Wye	72.35	43.40
		For Below Ground Installation, Add	*3.25*	
		For Work In Restricted Working Space, Add	*19.52*	
22 13 16 00-0317	EA	3" No Hub Cast Iron Wye	81.22	47.52
		For Below Ground Installation, Add	*3.56*	
		For Work In Restricted Working Space, Add	*21.38*	
22 13 16 00-0318	EA	4" No Hub Cast Iron Wye	109.69	62.41
		For Below Ground Installation, Add	*4.68*	
		For Work In Restricted Working Space, Add	*28.07*	
22 13 16 00-0319	EA	5" No Hub Cast Iron Wye	142.62	71.83
		For Below Ground Installation, Add	*5.39*	
		For Work In Restricted Working Space, Add	*32.31*	
22 13 16 00-0320	EA	6" No Hub Cast Iron Wye	169.28	85.28
		For Below Ground Installation, Add	*6.39*	
		For Work In Restricted Working Space, Add	*38.37*	
22 13 16 00-0321	EA	8" No Hub Cast Iron Wye	266.77	113.10
		For Below Ground Installation, Add	*8.48*	
		For Work In Restricted Working Space, Add	*50.86*	
22 13 16 00-0322	EA	10" No Hub Cast Iron Wye	398.92	125.64
		For Below Ground Installation, Add	*9.42*	
		For Work In Restricted Working Space, Add	*56.51*	

22 13 16 00-0323 No Hub Cast Iron Reducing Wyes *(22 13 16 00-0278)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0324	EA	3" x 1-1/2" No Hub Cast Iron Reducing Wye	69.95	41.46
		For Below Ground Installation, Add	*3.11*	
		For Work In Restricted Working Space, Add	*18.63*	
22 13 16 00-0325	EA	3" x 2" No Hub Cast Iron Reducing Wye	79.11	47.52
		For Below Ground Installation, Add	*3.56*	
		For Work In Restricted Working Space, Add	*21.38*	
22 13 16 00-0326	EA	4" x 2" No Hub Cast Iron Reducing Wye	88.82	52.54
		For Below Ground Installation, Add	*3.94*	
		For Work In Restricted Working Space, Add	*23.63*	
22 13 16 00-0327	EA	4" x 3" No Hub Cast Iron Reducing Wye	100.98	58.37
		For Below Ground Installation, Add	*4.38*	
		For Work In Restricted Working Space, Add	*26.26*	
22 13 16 00-0328	EA	6" x 2" No Hub Cast Iron Reducing Wye	131.15	72.57
		For Below Ground Installation, Add	*5.44*	
		For Work In Restricted Working Space, Add	*32.65*	
22 13 16 00-0329	EA	6" x 3" No Hub Cast Iron Reducing Wye	138.84	75.85
		For Below Ground Installation, Add	*5.68*	
		For Work In Restricted Working Space, Add	*34.10*	
22 13 16 00-0330	EA	6" x 4" No Hub Cast Iron Reducing Wye	160.42	88.65
		For Below Ground Installation, Add	*6.64*	
		For Work In Restricted Working Space, Add	*39.86*	
22 13 16 00-0331	EA	8" x 4" No Hub Cast Iron Reducing Wye	189.00	88.93
		For Below Ground Installation, Add	*6.67*	
		For Work In Restricted Working Space, Add	*40.00*	
22 13 16 00-0332	EA	8" x 6" No Hub Cast Iron Reducing Wye	215.26	97.75
		For Below Ground Installation, Add	*7.33*	
		For Work In Restricted Working Space, Add	*43.95*	
22 13 16 00-0333	EA	10" x 4" No Hub Cast Iron Reducing Wye	301.76	104.13
		For Below Ground Installation, Add	*7.81*	
		For Work In Restricted Working Space, Add	*46.84*	
22 13 16 00-0334	EA	10" x 6" No Hub Cast Iron Reducing Wye	319.49	111.48
		For Below Ground Installation, Add	*8.36*	
		For Work In Restricted Working Space, Add	*50.14*	
22 13 16 00-0335	EA	10" x 8" No Hub Cast Iron Reducing Wye	361.41	119.04
		For Below Ground Installation, Add	*8.92*	
		For Work In Restricted Working Space, Add	*53.54*	

22 13 16 00-0336 No Hub Cast Iron Combination Wye And 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0337	EA	1-1/2" No Hub Cast Iron Combination Wye And 1/8 Bend	63.12	37.27
		For Below Ground Installation, Add	*2.79*	
		For Work In Restricted Working Space, Add	*16.75*	
22 13 16 00-0338	EA	2" No Hub Cast Iron Combination Wye And 1/8 Bend	72.64	43.40
		For Below Ground Installation, Add	*3.25*	
		For Work In Restricted Working Space, Add	*19.52*	
22 13 16 00-0339	EA	3" No Hub Cast Iron Combination Wye And 1/8 Bend	83.43	47.52
		For Below Ground Installation, Add	*3.56*	
		For Work In Restricted Working Space, Add	*21.38*	
22 13 16 00-0340	EA	4" No Hub Cast Iron Combination Wye And 1/8 Bend	115.95	62.41
		For Below Ground Installation, Add	*4.68*	
		For Work In Restricted Working Space, Add	*28.07*	
22 13 16 00-0341	EA	6" No Hub Cast Iron Combination Wye And 1/8 Bend	200.32	96.01
		For Below Ground Installation, Add	*7.20*	
		For Work In Restricted Working Space, Add	*43.18*	
22 13 16 00-0342	EA	8" No Hub Cast Iron Combination Wye And 1/8 Bend	326.19	123.18
		For Below Ground Installation, Add	*9.23*	
		For Work In Restricted Working Space, Add	*55.41*	
22 13 16 00-0343	EA	10" No Hub Cast Iron Combination Wye And 1/8 Bend	385.74	148.93
		For Below Ground Installation, Add	*11.16*	
		For Work In Restricted Working Space, Add	*66.98*	

22 13 16 00-0344 No Hub Cast Iron Reducing Combination Wye And 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0345	EA	2" x 1-1/2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	73.00	43.40
		For Below Ground Installation, Add	*3.25*	
		For Work In Restricted Working Space, Add	*19.52*	
22 13 16 00-0346	EA	3" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	80.22	47.52
		For Below Ground Installation, Add	*3.56*	
		For Work In Restricted Working Space, Add	*21.38*	
22 13 16 00-0347	EA	4" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	91.03	52.54
		For Below Ground Installation, Add	*3.94*	
		For Work In Restricted Working Space, Add	*23.63*	
22 13 16 00-0348	EA	4" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	103.13	58.37
		For Below Ground Installation, Add	*4.38*	
		For Work In Restricted Working Space, Add	*26.26*	
22 13 16 00-0349	EA	6" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	137.59	72.57
		For Below Ground Installation, Add	*5.44*	
		For Work In Restricted Working Space, Add	*32.65*	
22 13 16 00-0350	EA	6" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	150.10	75.85
		For Below Ground Installation, Add	*5.68*	
		For Work In Restricted Working Space, Add	*34.10*	
22 13 16 00-0351	EA	6" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	170.28	88.65
		For Below Ground Installation, Add	*6.64*	
		For Work In Restricted Working Space, Add	*39.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0352	EA	8" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	207.43	88.93
		For Below Ground Installation, Add	*6.67*	
		For Work In Restricted Working Space, Add	*40.00*	
22 13 16 00-0353	EA	8" x 6" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	257.37	97.75
		For Below Ground Installation, Add	*7.33*	
		For Work In Restricted Working Space, Add	*43.95*	

22 13 16 00-0354 No Hub Cast Iron Double Wyes *(22 13 16 00-0278)*

22 13 16 00-0355	EA	2" No Hub Cast Iron Double Wye	91.05	53.96
		For Below Ground Installation, Add	*4.05*	
		For Work In Restricted Working Space, Add	*24.27*	
22 13 16 00-0356	EA	3" No Hub Cast Iron Double Wye	117.19	65.70
		For Below Ground Installation, Add	*4.92*	
		For Work In Restricted Working Space, Add	*29.54*	
22 13 16 00-0357	EA	4" No Hub Cast Iron Double Wye	146.20	71.84
		For Below Ground Installation, Add	*5.38*	
		For Work In Restricted Working Space, Add	*32.30*	
22 13 16 00-0358	EA	6" No Hub Cast Iron Double Wye	227.48	107.50
		For Below Ground Installation, Add	*8.06*	
		For Work In Restricted Working Space, Add	*48.33*	
22 13 16 00-0359	EA	8" No Hub Cast Iron Double Wye	395.49	143.88
		For Below Ground Installation, Add	*10.79*	
		For Work In Restricted Working Space, Add	*64.73*	

22 13 16 00-0360 No Hub Cast Iron Reducing Double Wyes *(22 13 16 00-0278)*

22 13 16 00-0361	EA	3" x 2" No Hub Cast Iron Double Wye	105.68	59.79
		For Below Ground Installation, Add	*4.48*	
		For Work In Restricted Working Space, Add	*26.89*	
22 13 16 00-0362	EA	4" x 2" No Hub Cast Iron Double Wye	124.79	68.85
		For Below Ground Installation, Add	*5.16*	
		For Work In Restricted Working Space, Add	*30.97*	
22 13 16 00-0363	EA	4" x 3" No Hub Cast Iron Double Wye	136.85	75.06
		For Below Ground Installation, Add	*5.63*	
		For Work In Restricted Working Space, Add	*33.76*	
22 13 16 00-0364	EA	6" x 4" No Hub Cast Iron Double Wye	195.91	94.78
		For Below Ground Installation, Add	*7.10*	
		For Work In Restricted Working Space, Add	*42.63*	

22 13 16 00-0365 No Hub Cast Iron Double Combination Wye And 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0366	EA	2" No Hub Cast Iron Double Combination Wye And 1/8 Bend	114.98	64.81
		For Below Ground Installation, Add	*4.86*	
		For Work In Restricted Working Space, Add	*29.16*	
22 13 16 00-0367	EA	3" No Hub Cast Iron Double Combination Wye And 1/8 Bend	135.23	71.84
		For Below Ground Installation, Add	*5.38*	
		For Work In Restricted Working Space, Add	*32.30*	
22 13 16 00-0368	EA	4" No Hub Cast Iron Double Combination Wye And 1/8 Bend	195.17	95.12
		For Below Ground Installation, Add	*7.13*	
		For Work In Restricted Working Space, Add	*42.77*	
22 13 16 00-0369	EA	6" No Hub Cast Iron Double Combination Wye And 1/8 Bend	281.55	146.83
		For Below Ground Installation, Add	*11.01*	
		For Work In Restricted Working Space, Add	*66.03*	

22 13 16 00-0370 No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0371	EA	3" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend	104.25	55.75
		For Below Ground Installation, Add	*4.18*	
		For Work In Restricted Working Space, Add	*25.08*	
22 13 16 00-0372	EA	4" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend	120.97	64.81
		For Below Ground Installation, Add	*4.86*	
		For Work In Restricted Working Space, Add	*29.16*	
22 13 16 00-0373	EA	4" x 3" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend	140.71	70.79
		For Below Ground Installation, Add	*5.31*	
		For Work In Restricted Working Space, Add	*31.85*	

22 13 16 00-0374 No Hub Cast Iron Sanitary Tees *(22 13 16 00-0278)*

22 13 16 00-0375	EA	1-1/2" No Hub Cast Iron Sanitary Tee	53.90	31.36
		For Below Ground Installation, Add	*2.35*	
		For Work In Restricted Working Space, Add	*14.12*	
22 13 16 00-0376	EA	2" No Hub Cast Iron Sanitary Tee	72.71	43.40
		For Below Ground Installation, Add	*3.25*	
		For Work In Restricted Working Space, Add	*19.52*	
22 13 16 00-0377	EA	3" No Hub Cast Iron Sanitary Tee	80.40	47.52
		For Below Ground Installation, Add	*3.56*	
		For Work In Restricted Working Space, Add	*21.38*	
22 13 16 00-0378	EA	4" No Hub Cast Iron Sanitary Tee	107.84	62.41
		For Below Ground Installation, Add	*4.68*	
		For Work In Restricted Working Space, Add	*28.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0379	EA	5" No Hub Cast Iron Sanitary Tee	143.01	71.83
		For Below Ground Installation, Add	*5.39*	
		For Work In Restricted Working Space, Add	*32.31*	
22 13 16 00-0380	EA	6" No Hub Cast Iron Sanitary Tee	169.01	85.28
		For Below Ground Installation, Add	*6.39*	
		For Work In Restricted Working Space, Add	*38.37*	
22 13 16 00-0381	EA	8" No Hub Cast Iron Sanitary Tee	289.63	113.10
		For Below Ground Installation, Add	*8.48*	
		For Work In Restricted Working Space, Add	*50.86*	
22 13 16 00-0382	EA	2" x 1-1/2" No Hub Cast Iron Sanitary Tee	60.71	35.40
		For Below Ground Installation, Add	*2.65*	
		For Work In Restricted Working Space, Add	*15.92*	
22 13 16 00-0383	EA	3" x 1-1/2" No Hub Cast Iron Sanitary Tee	70.59	41.46
		For Below Ground Installation, Add	*3.11*	
		For Work In Restricted Working Space, Add	*18.63*	

22 13 16 00-0384 No Hub Cast Iron Reducing Sanitary Tees *(22 13 16 00-0278)*

22 13 16 00-0385	EA	3" x 2" No Hub Cast Iron Reducing Sanitary Tee	73.55	43.40
		For Below Ground Installation, Add	*3.25*	
		For Work In Restricted Working Space, Add	*19.52*	
22 13 16 00-0386	EA	3" x 4" No Hub Cast Iron Reducing Sanitary Tee	82.29	43.40
		For Below Ground Installation, Add	*3.25*	
		For Work In Restricted Working Space, Add	*19.52*	
22 13 16 00-0387	EA	4" x 2" No Hub Cast Iron Reducing Sanitary Tee	98.92	58.74
		For Below Ground Installation, Add	*4.40*	
		For Work In Restricted Working Space, Add	*26.42*	
22 13 16 00-0388	EA	4" x 3" No Hub Cast Iron Reducing Sanitary Tee	101.05	58.74
		For Below Ground Installation, Add	*4.40*	
		For Work In Restricted Working Space, Add	*26.42*	
22 13 16 00-0389	EA	5" x 2" No Hub Cast Iron Reducing Sanitary Tee	127.55	68.25
		For Below Ground Installation, Add	*5.12*	
		For Work In Restricted Working Space, Add	*30.69*	
22 13 16 00-0390	EA	5" x 3" No Hub Cast Iron Reducing Sanitary Tee	130.51	68.25
		For Below Ground Installation, Add	*5.12*	
		For Work In Restricted Working Space, Add	*30.69*	
22 13 16 00-0391	EA	5" x 4" No Hub Cast Iron Reducing Sanitary Tee	130.87	68.25
		For Below Ground Installation, Add	*5.12*	
		For Work In Restricted Working Space, Add	*30.69*	
22 13 16 00-0392	EA	6" x 4" No Hub Cast Iron Reducing Sanitary Tee	135.98	71.11
		For Below Ground Installation, Add	*5.33*	
		For Work In Restricted Working Space, Add	*31.97*	
22 13 16 00-0393	EA	8" x 6" No Hub Cast Iron Reducing Sanitary Tee	232.47	95.38
		For Below Ground Installation, Add	*7.15*	
		For Work In Restricted Working Space, Add	*42.89*	

22 13 16 00-0394 No Hub Cast Iron Sanitary Tapped Tees *(22 13 16 00-0278)*

22 13 16 00-0395	EA	2" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee	39.51	21.25
		For Below Ground Installation, Add	*1.59*	
		For Work In Restricted Working Space, Add	*9.56*	
22 13 16 00-0396	EA	3" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee	45.70	24.33
		For Below Ground Installation, Add	*1.83*	
		For Work In Restricted Working Space, Add	*10.95*	
22 13 16 00-0397	EA	4" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee	57.68	32.18
		For Below Ground Installation, Add	*2.41*	
		For Work In Restricted Working Space, Add	*14.48*	

22 13 16 00-0398 No Hub Cast Iron Cleanout Tees *(22 13 16 00-0278)*

22 13 16 00-0399	EA	2" No Hub Cast Iron Cleanout Tee	38.18	21.25
		For Below Ground Installation, Add	*1.59*	
		For Work In Restricted Working Space, Add	*9.56*	
22 13 16 00-0400	EA	3" No Hub Cast Iron Cleanout Tee	46.67	24.33
		For Below Ground Installation, Add	*1.83*	
		For Work In Restricted Working Space, Add	*10.95*	
22 13 16 00-0401	EA	4" No Hub Cast Iron Cleanout Tee	66.16	32.18
		For Below Ground Installation, Add	*2.41*	
		For Work In Restricted Working Space, Add	*14.48*	
22 13 16 00-0402	EA	6" No Hub Cast Iron Cleanout Tee	106.15	47.52
		For Below Ground Installation, Add	*3.56*	
		For Work In Restricted Working Space, Add	*21.38*	

22 13 16 00-0403 No Hub Cast Iron Two-Way Cleanout Tees *(22 13 16 00-0278)*

22 13 16 00-0404	EA	4" No Hub Cast Iron Single Two-Way Cleanout Tee	144.61	62.41
		For Below Ground Installation, Add	*4.68*	
		For Work In Restricted Working Space, Add	*28.07*	
22 13 16 00-0405	EA	4" No Hub Cast Iron Double Two-Way Cleanout Tee	189.60	94.81
		For Below Ground Installation, Add	*7.11*	
		For Work In Restricted Working Space, Add	*42.66*	

22 13 16 00-0406 No Hub Cast Iron Cleanout Plugs *(22 13 16 00-0278)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0407	EA	2" No Hub Cast Iron Cleanout Plug	34.54	21.25
		For Below Ground Installation, Add	*1.59*	
		For Work In Restricted Working Space, Add	*9.56*	
22 13 16 00-0408	EA	3" No Hub Cast Iron Cleanout Plug	40.73	24.33
		For Below Ground Installation, Add	*1.83*	
		For Work In Restricted Working Space, Add	*10.95*	
22 13 16 00-0409	EA	4" No Hub Cast Iron Cleanout Plug	56.30	32.18
		For Below Ground Installation, Add	*2.41*	
		For Work In Restricted Working Space, Add	*14.48*	
22 13 16 00-0410	EA	6" No Hub Cast Iron Cleanout Plug	86.26	47.52
		For Below Ground Installation, Add	*3.56*	
		For Work In Restricted Working Space, Add	*21.38*	
22 13 16 00-0411	EA	8" No Hub Cast Iron Cleanout Plug	114.14	62.41
		For Below Ground Installation, Add	*4.68*	
		For Work In Restricted Working Space, Add	*28.07*	

22 13 16 00-0412 No Hub Cast Iron Sanitary Crosses *(22 13 16 00-0278)*

22 13 16 00-0413	EA	1-1/2" No Hub Cast Iron Sanitary Cross	72.10	41.91
		For Below Ground Installation, Add	*3.14*	
		For Work In Restricted Working Space, Add	*18.86*	
22 13 16 00-0414	EA	2" No Hub Cast Iron Sanitary Cross	76.60	43.40
		For Below Ground Installation, Add	*3.25*	
		For Work In Restricted Working Space, Add	*19.52*	
22 13 16 00-0415	EA	3" No Hub Cast Iron Sanitary Cross	89.42	47.52
		For Below Ground Installation, Add	*3.56*	
		For Work In Restricted Working Space, Add	*21.38*	
22 13 16 00-0416	EA	4" No Hub Cast Iron Sanitary Cross	127.66	62.41
		For Below Ground Installation, Add	*4.68*	
		For Work In Restricted Working Space, Add	*28.07*	

22 13 16 00-0417 No Hub Cast Iron Reducing Sanitary Crosses *(22 13 16 00-0278)*

22 13 16 00-0418	EA	3" x 2" No Hub Cast Iron Sanitary Cross	99.91	55.75
		For Below Ground Installation, Add	*4.18*	
		For Work In Restricted Working Space, Add	*25.08*	
22 13 16 00-0419	EA	4" x 2" No Hub Cast Iron Sanitary Cross	109.12	57.39
		For Below Ground Installation, Add	*4.30*	
		For Work In Restricted Working Space, Add	*25.82*	
22 13 16 00-0420	EA	4" x 3" No Hub Cast Iron Sanitary Cross	117.65	59.94
		For Below Ground Installation, Add	*4.49*	
		For Work In Restricted Working Space, Add	*26.95*	

22 13 16 00-0421 No Hub Cast Iron Reducers *(22 13 16 00-0278)*

22 13 16 00-0422	EA	3" x 2" No Hub Cast Iron Reducer	68.94	43.40
		For Below Ground Installation, Add	*3.25*	
		For Work In Restricted Working Space, Add	*19.52*	
22 13 16 00-0423	EA	4" x 2" No Hub Cast Iron Reducer	93.95	58.74
		For Below Ground Installation, Add	*4.40*	
		For Work In Restricted Working Space, Add	*26.42*	
22 13 16 00-0424	EA	4" x 3" No Hub Cast Iron Reducer	94.13	58.74
		For Below Ground Installation, Add	*4.40*	
		For Work In Restricted Working Space, Add	*26.42*	
22 13 16 00-0425	EA	5" x 2" No Hub Cast Iron Reducer	110.96	68.25
		For Below Ground Installation, Add	*5.12*	
		For Work In Restricted Working Space, Add	*30.69*	
22 13 16 00-0426	EA	5" x 3" No Hub Cast Iron Reducer	112.16	68.25
		For Below Ground Installation, Add	*5.12*	
		For Work In Restricted Working Space, Add	*30.69*	
22 13 16 00-0427	EA	5" x 4" No Hub Cast Iron Reducer	112.63	68.25
		For Below Ground Installation, Add	*5.12*	
		For Work In Restricted Working Space, Add	*30.69*	
22 13 16 00-0428	EA	6" x 3" No Hub Cast Iron Reducer	128.62	75.85
		For Below Ground Installation, Add	*5.68*	
		For Work In Restricted Working Space, Add	*34.10*	
22 13 16 00-0429	EA	6" x 4" No Hub Cast Iron Reducer	128.80	75.85
		For Below Ground Installation, Add	*5.68*	
		For Work In Restricted Working Space, Add	*34.10*	
22 13 16 00-0430	EA	6" x 5" No Hub Cast Iron Reducer	129.34	75.85
		For Below Ground Installation, Add	*5.68*	
		For Work In Restricted Working Space, Add	*34.10*	
22 13 16 00-0431	EA	8" x 2" No Hub Cast Iron Reducer	178.13	105.54
		For Below Ground Installation, Add	*7.91*	
		For Work In Restricted Working Space, Add	*47.47*	
22 13 16 00-0432	EA	8" x 3" No Hub Cast Iron Reducer	179.51	105.54
		For Below Ground Installation, Add	*7.91*	
		For Work In Restricted Working Space, Add	*47.47*	
22 13 16 00-0433	EA	8" x 4" No Hub Cast Iron Reducer	181.73	105.54
		For Below Ground Installation, Add	*7.91*	
		For Work In Restricted Working Space, Add	*47.47*	
22 13 16 00-0434	EA	8" x 5" No Hub Cast Iron Reducer	184.03	105.54
		For Below Ground Installation, Add	*7.91*	
		For Work In Restricted Working Space, Add	*47.47*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0435	EA	8" x 6" No Hub Cast Iron Reducer	184.31	105.54
		For Below Ground Installation, Add	*7.91*	
		For Work In Restricted Working Space, Add	*47.47*	
22 13 16 00-0436	EA	10" x 4" No Hub Cast Iron Reducer	209.65	111.33
		For Below Ground Installation, Add	*8.34*	
		For Work In Restricted Working Space, Add	*50.06*	
22 13 16 00-0437	EA	10" x 6" No Hub Cast Iron Reducer	222.22	116.22
		For Below Ground Installation, Add	*8.72*	
		For Work In Restricted Working Space, Add	*52.29*	
22 13 16 00-0438	EA	10" x 8" No Hub Cast Iron Reducer	246.54	126.15
		For Below Ground Installation, Add	*9.46*	
		For Work In Restricted Working Space, Add	*56.74*	

22 13 16 00-0439 No Hub Cast Iron Blind Plugs *(22 13 16 00-0278)*

22 13 16 00-0440	EA	1-1/2" No Hub Cast Iron Blind Plug	32.76	20.36
		For Below Ground Installation, Add	*1.53*	
		For Work In Restricted Working Space, Add	*9.16*	
22 13 16 00-0441	EA	2" No Hub Cast Iron Blind Plug	33.97	21.25
		For Below Ground Installation, Add	*1.59*	
		For Work In Restricted Working Space, Add	*9.56*	
22 13 16 00-0442	EA	3" No Hub Cast Iron Blind Plug	40.28	24.33
		For Below Ground Installation, Add	*1.83*	
		For Work In Restricted Working Space, Add	*10.95*	
22 13 16 00-0443	EA	4" No Hub Cast Iron Blind Plug	53.34	32.18
		For Below Ground Installation, Add	*2.41*	
		For Work In Restricted Working Space, Add	*14.48*	
22 13 16 00-0444	EA	5" No Hub Cast Iron Blind Plug	65.67	38.00
		For Below Ground Installation, Add	*2.81*	
		For Work In Restricted Working Space, Add	*16.88*	
22 13 16 00-0445	EA	6" No Hub Cast Iron Blind Plug	75.50	43.99
		For Below Ground Installation, Add	*3.30*	
		For Work In Restricted Working Space, Add	*19.80*	
22 13 16 00-0446	EA	8" No Hub Cast Iron Blind Plug	114.71	56.52
		For Below Ground Installation, Add	*4.24*	
		For Work In Restricted Working Space, Add	*25.43*	
22 13 16 00-0447	EA	10" No Hub Cast Iron Blind Plug	134.35	60.89
		For Below Ground Installation, Add	*4.56*	
		For Work In Restricted Working Space, Add	*27.39*	

22 13 16 00-0448 No Hub Cast Iron P-Traps *(22 13 16 00-0278)*

22 13 16 00-0449	EA	2" No Hub Cast Iron P-Trap	39.69	21.25
		For Below Ground Installation, Add	*1.59*	
		For Work In Restricted Working Space, Add	*9.56*	
22 13 16 00-0450	EA	3" No Hub Cast Iron P-Trap	54.38	24.33
		For Below Ground Installation, Add	*1.83*	
		For Work In Restricted Working Space, Add	*10.95*	
22 13 16 00-0451	EA	4" No Hub Cast Iron P-Trap	79.34	32.18
		For Below Ground Installation, Add	*2.41*	
		For Work In Restricted Working Space, Add	*14.48*	
22 13 16 00-0452	EA	5" No Hub Cast Iron P-Trap	126.80	37.20
		For Below Ground Installation, Add	*2.79*	
		For Work In Restricted Working Space, Add	*16.72*	
22 13 16 00-0453	EA	6" No Hub Cast Iron P-Trap	137.64	44.35
		For Below Ground Installation, Add	*3.33*	
		For Work In Restricted Working Space, Add	*19.95*	

22 13 16 00-0454 No Hub Cast Iron Deep Seal P-Traps *(22 13 16 00-0278)*

22 13 16 00-0455	EA	2" No Hub Cast Iron Deep Seal P-Trap	59.17	27.02
		For Below Ground Installation, Add	*2.02*	
		For Work In Restricted Working Space, Add	*12.14*	
22 13 16 00-0456	EA	3" No Hub Cast Iron Deep Seal P-Trap	83.70	35.92
		For Below Ground Installation, Add	*2.69*	
		For Work In Restricted Working Space, Add	*16.15*	
22 13 16 00-0457	EA	4" No Hub Cast Iron Deep Seal P-Trap	119.01	47.44
		For Below Ground Installation, Add	*3.55*	
		For Work In Restricted Working Space, Add	*21.33*	

22 13 16 00-0458 No Hub Cast Iron Closet Flanges *(22 13 16 00-0278)*

22 13 16 00-0459	EA	4" No Hub Cast Iron Closet Flange	60.71	32.18
		For Below Ground Installation, Add	*2.41*	
		For Work In Restricted Working Space, Add	*14.48*	
22 13 16 00-0460	EA	4" x 2-1/2" No Hub Cast Iron Offset Closet Flange	63.29	32.18
		For Below Ground Installation, Add	*2.41*	
		For Work In Restricted Working Space, Add	*14.48*	

22 13 16 00-0461 No Hub Cast Iron Closet Bends *(22 13 16 00-0278)*

22 13 16 00-0462	EA	4" x 16" No Hub Cast Iron Closet Bend	96.95	32.18
		For Below Ground Installation, Add	*2.41*	
		For Work In Restricted Working Space, Add	*14.48*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0463		**No Hub Cast Iron Threaded Adapter** *(22 13 16 00-0278)*		
22 13 16 00-0464	EA	1-1/4" No Hub Cast Iron Threaded Adapter	47.19	27.02
		For Below Ground Installation, Add	*2.02*	
		For Work In Restricted Working Space, Add	*12.14*	
22 13 16 00-0465	EA	1-1/2" No Hub Cast Iron Threaded Adapter	49.27	27.02
		For Below Ground Installation, Add	*2.02*	
		For Work In Restricted Working Space, Add	*12.14*	
22 13 16 00-0466		**No Hub Couplings** *(22 13 16 00-0278)*		
		Note: Includes stainless steel shield/clamps assembly with elastomeric gasket, ASTM C 564. (Fernco NH).		
22 13 16 00-0467	EA	1-1/2" No Hub Coupling	5.07	
		For Medium Duty (Fernco MD-2000), Add	*0.66*	
		For Heavy Duty (Fernco HD-4000), Add	*1.37*	
22 13 16 00-0468	EA	2" No Hub Coupling	5.07	
		For Medium Duty (Fernco MD-2000), Add	*0.66*	
		For Heavy Duty (Fernco HD-4000), Add	*1.37*	
22 13 16 00-0469	EA	3" No Hub Coupling	6.02	
		For Medium Duty (Fernco MD-2000), Add	*0.78*	
		For Heavy Duty (Fernco HD-4000), Add	*1.63*	
22 13 16 00-0470	EA	4" No Hub Coupling	7.15	
		For Medium Duty (Fernco MD-2000), Add	*0.93*	
		For Heavy Duty (Fernco HD-4000), Add	*1.93*	
22 13 16 00-0471	EA	5" No Hub Coupling	16.53	
		For Medium Duty (Fernco MD-2000), Add	*2.15*	
		For Heavy Duty (Fernco HD-4000), Add	*4.46*	
22 13 16 00-0472	EA	6" No Hub Coupling	18.16	
		For Medium Duty (Fernco MD-2000), Add	*2.36*	
		For Heavy Duty (Fernco HD-4000), Add	*4.90*	
22 13 16 00-0473	EA	8" No Hub Coupling	34.21	
		For Medium Duty (Fernco MD-2000), Add	*4.45*	
		For Heavy Duty (Fernco HD-4000), Add	*9.24*	
22 13 16 00-0474	EA	10" No Hub Coupling	47.13	
		For Medium Duty (Fernco MD-2000), Add	*6.13*	
		For Heavy Duty (Fernco HD-4000), Add	*12.73*	
22 13 16 00-0475	EA	2" x 1-1/2" No Hub Reducing Coupling	6.02	
22 13 16 00-0476	EA	3" x 2" No Hub Reducing Coupling	9.34	
22 13 16 00-0477	EA	4" x 2" No Hub Reducing Coupling	13.02	
22 13 16 00-0478	EA	4" x 3" No Hub Reducing Coupling	11.10	
22 13 16 00-0479		**Cast Iron Mechanical Joint Couplings With Neoprene Gasket And Bolts** *(22 13 16 00-0278)*		
		Note: For underground connections. See CSI section 22 13 16 00-0861 for additional FERNCO couplings.		
22 13 16 00-0480	EA	1-1/2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	14.89	
22 13 16 00-0481	EA	2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	15.37	
22 13 16 00-0482	EA	3" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	16.14	
22 13 16 00-0483	EA	4" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	18.83	
22 13 16 00-0484	EA	5" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	35.55	
22 13 16 00-0485	EA	6" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	48.80	
22 13 16 00-0486	EA	8" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	85.50	
22 13 16 00-0487	EA	10" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	130.65	
22 13 16 00-0488		**Cut And Prepare Existing Pipe In-Place** *(22 13 16 00-0268)*		
		Note: For use when connecting pipe to an existing in-place system.		
22 13 16 00-0489	EA	Cut And Prepare 1-1/2" Cast Iron Pipe, No Hub	7.32	
		For Work In Restricted Working Space, Add	*2.20*	
22 13 16 00-0490	EA	Cut And Prepare 2" Cast Iron Pipe, No Hub	8.94	
		For Work In Restricted Working Space, Add	*2.68*	
22 13 16 00-0491	EA	Cut And Prepare 3" Cast Iron Pipe, No Hub	9.76	
		For Work In Restricted Working Space, Add	*2.93*	
22 13 16 00-0492	EA	Cut And Prepare 4" Cast Iron Pipe, No Hub	12.19	
		For Work In Restricted Working Space, Add	*3.66*	
22 13 16 00-0493	EA	Cut And Prepare 6" Cast Iron Pipe, No Hub	14.63	
		For Work In Restricted Working Space, Add	*4.39*	
22 13 16 00-0494	EA	Cut And Prepare 8" Cast Iron Pipe, No Hub	19.51	
		For Work In Restricted Working Space, Add	*5.85*	
22 13 16 00-0495	EA	Cut And Prepare 10" Cast Iron Pipe, No Hub	22.76	
		For Work In Restricted Working Space, Add	*6.83*	
22 13 16 00-0496		**Copper Drain-Waste-Vent (DWV) Pipe** *(22 13 16)*		
		See CSI section 22 11 16 00-0354 for copper and brass fittings.		
22 13 16 00-0497	LF	1-1/4" Hard Drawn DWV Copper Tube/Pipe	9.62	3.52
22 13 16 00-0498	LF	1-1/2" Hard Drawn DWV Copper Tube/Pipe	11.83	3.93
22 13 16 00-0499	LF	2" Hard Drawn DWV Copper Tube/Pipe	18.02	4.84
22 13 16 00-0500	LF	3" Hard Drawn DWV Copper Tube/Pipe	36.02	6.71
22 13 16 00-0501	LF	4" Hard Drawn DWV Copper Tube/Pipe	47.58	7.57
22 13 16 00-0502	LF	5" Hard Drawn DWV Copper Tube/Pipe	124.97	8.69
22 13 16 00-0503	LF	6" Hard Drawn DWV Copper Tube/Pipe	157.08	13.48

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0504		**Polyvinyl Chloride (PVC) Drain-Waste-Vent (DWV) Pipe And Fittings** *(22 13 16)* Note: Aboveground installation. See CSI section 33 31 00 00-0002 for underground installation.		
22 13 16 00-0505		**Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies** *(22 13 16 00-0504)* Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.		
22 13 16 00-0506	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	15.60	3.14
		For Work In Restricted Working Space, Add	*4.31*	
22 13 16 00-0507	LF	2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	17.29	3.74
		For Work In Restricted Working Space, Add	*4.77*	
22 13 16 00-0508	LF	3" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	22.28	5.39
		For Work In Restricted Working Space, Add	*5.92*	
22 13 16 00-0509	LF	4" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	25.12	5.84
		For Work In Restricted Working Space, Add	*6.58*	
22 13 16 00-0510	LF	6" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	36.85	7.48
		For Work In Restricted Working Space, Add	*8.75*	
22 13 16 00-0511	LF	8" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	49.52	9.95
		For Work In Restricted Working Space, Add	*11.09*	
22 13 16 00-0512	LF	10" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	67.78	13.32
		For Work In Restricted Working Space, Add	*14.45*	
22 13 16 00-0513		**Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe** *(22 13 16 00-0504)* Note: Excludes fittings or hangers.		
22 13 16 00-0514		**Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe (ASTM D-2665)** *(22 13 16 00-0513)* Note: Excludes fittings or hangers.		
22 13 16 00-0515	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	5.19	3.14
		For Work In Restricted Working Space, Add	*1.40*	
22 13 16 00-0516	LF	2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	6.30	3.74
		For Work In Restricted Working Space, Add	*1.68*	
22 13 16 00-0517	LF	3" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	9.43	5.39
		For Work In Restricted Working Space, Add	*2.42*	
22 13 16 00-0518	LF	4" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	10.68	5.84
		For Work In Restricted Working Space, Add	*2.62*	
22 13 16 00-0519	LF	6" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	14.39	7.31
		For Work In Restricted Working Space, Add	*3.28*	
22 13 16 00-0520	LF	8" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	20.52	9.72
		For Work In Restricted Working Space, Add	*4.39*	
22 13 16 00-0521	LF	10" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	28.53	13.00
		For Work In Restricted Working Space, Add	*5.85*	
22 13 16 00-0522		**Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe (ASTM F-891)** *(22 13 16 00-0513)* Note: Excludes fittings or hangers.		
22 13 16 00-0523	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	5.08	3.14
		For Work In Restricted Working Space, Add	*1.40*	
22 13 16 00-0524	LF	2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	6.17	3.74
		For Work In Restricted Working Space, Add	*1.68*	
22 13 16 00-0525	LF	3" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	9.20	5.39
		For Work In Restricted Working Space, Add	*2.42*	
22 13 16 00-0526	LF	4" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	10.39	5.84
		For Work In Restricted Working Space, Add	*2.62*	
22 13 16 00-0527	LF	6" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	13.84	7.31
		For Work In Restricted Working Space, Add	*3.28*	
22 13 16 00-0528	LF	8" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	19.14	9.72
		For Work In Restricted Working Space, Add	*4.39*	
22 13 16 00-0529	LF	10" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	27.03	13.00
		For Work In Restricted Working Space, Add	*5.85*	
22 13 16 00-0530		**Polyvinyl Chloride (PVC) DWV Fittings (ASTM D-2665)** *(22 13 16 00-0504)*		
22 13 16 00-0531		**Polyvinyl Chloride (PVC) DWV 1/4 Bends** *(22 13 16 00-0530)*		
22 13 16 00-0532	EA	1-1/2" Polyvinyl Chloride (PVC) DWV 1/4 Bends	19.20	12.50
		For Work In Restricted Working Space, Add	*5.61*	
22 13 16 00-0533	EA	2" Polyvinyl Chloride (PVC) DWV 1/4 Bends	24.56	15.94
		For Work In Restricted Working Space, Add	*7.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0534	EA	3" Polyvinyl Chloride (PVC) DWV 1/4 Bends	34.11	21.40
		For Work In Restricted Working Space, Add	*9.65*	
22 13 16 00-0535	EA	4" Polyvinyl Chloride (PVC) DWV 1/4 Bends	41.52	24.92
		For Work In Restricted Working Space, Add	*11.23*	
22 13 16 00-0536	EA	6" Polyvinyl Chloride (PVC) DWV 1/4 Bends	73.62	32.40
		For Work In Restricted Working Space, Add	*14.59*	
22 13 16 00-0537	EA	8" Polyvinyl Chloride (PVC) DWV 1/4 Bends	108.26	43.63
		For Work In Restricted Working Space, Add	*19.64*	
22 13 16 00-0538	EA	10" Polyvinyl Chloride (PVC) DWV 1/4 Bends	143.71	58.15
		For Work In Restricted Working Space, Add	*26.19*	

22 13 16 00-0539 Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends *(22 13 16 00-0530)*

22 13 16 00-0540	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	20.58	12.50
		For Work In Restricted Working Space, Add	*5.61*	
22 13 16 00-0541	EA	2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	25.36	15.94
		For Work In Restricted Working Space, Add	*7.18*	
22 13 16 00-0542	EA	3" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	36.15	21.40
		For Work In Restricted Working Space, Add	*9.65*	
22 13 16 00-0543	EA	4" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	45.26	24.92
		For Work In Restricted Working Space, Add	*11.23*	
22 13 16 00-0544	EA	6" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	66.40	32.40
		For Work In Restricted Working Space, Add	*14.59*	
22 13 16 00-0545	EA	8" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	98.78	43.63
		For Work In Restricted Working Space, Add	*19.64*	
22 13 16 00-0546	EA	10" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	143.54	58.15
		For Work In Restricted Working Space, Add	*26.19*	

22 13 16 00-0547 Polyvinyl Chloride (PVC) DWV 1/8 Bends *(22 13 16 00-0530)*

22 13 16 00-0548	EA	1-1/2" Polyvinyl Chloride (PVC) DWV 1/8 Bends	19.31	12.50
		For Work In Restricted Working Space, Add	*5.61*	
22 13 16 00-0549	EA	2" Polyvinyl Chloride (PVC) DWV 1/8 Bends	24.55	15.94
		For Work In Restricted Working Space, Add	*7.18*	
22 13 16 00-0550	EA	3" Polyvinyl Chloride (PVC) DWV 1/8 Bends	33.94	21.40
		For Work In Restricted Working Space, Add	*9.65*	
22 13 16 00-0551	EA	4" Polyvinyl Chloride (PVC) DWV 1/8 Bends	40.69	24.92
		For Work In Restricted Working Space, Add	*11.23*	
22 13 16 00-0552	EA	6" Polyvinyl Chloride (PVC) DWV 1/8 Bends	71.50	32.40
		For Work In Restricted Working Space, Add	*14.59*	
22 13 16 00-0553	EA	8" Polyvinyl Chloride (PVC) DWV 1/8 Bends	103.35	43.63
		For Work In Restricted Working Space, Add	*19.64*	
22 13 16 00-0554	EA	10" Polyvinyl Chloride (PVC) DWV 1/8 Bends	129.26	58.15
		For Work In Restricted Working Space, Add	*26.19*	

22 13 16 00-0555 Polyvinyl Chloride (PVC) DWV Sanitary Tees *(22 13 16 00-0530)*

22 13 16 00-0556	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Sanitary Tees	28.94	18.71
		For Work In Restricted Working Space, Add	*8.42*	
22 13 16 00-0557	EA	2" Polyvinyl Chloride (PVC) DWV Sanitary Tees	37.18	23.94
		For Work In Restricted Working Space, Add	*10.78*	
22 13 16 00-0558	EA	3" Polyvinyl Chloride (PVC) DWV Sanitary Tees	51.61	32.18
		For Work In Restricted Working Space, Add	*14.48*	
22 13 16 00-0559	EA	4" Polyvinyl Chloride (PVC) DWV Sanitary Tees	62.50	37.42
		For Work In Restricted Working Space, Add	*16.84*	
22 13 16 00-0560	EA	6" Polyvinyl Chloride (PVC) DWV Sanitary Tees	110.02	48.57
		For Work In Restricted Working Space, Add	*21.89*	
22 13 16 00-0561	EA	8" Polyvinyl Chloride (PVC) DWV Sanitary Tees	146.11	65.40
		For Work In Restricted Working Space, Add	*29.47*	

22 13 16 00-0562 Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees *(22 13 16 00-0530)*

22 13 16 00-0563	EA	2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	32.27	20.43
		For Work In Restricted Working Space, Add	*9.20*	
22 13 16 00-0564	EA	2" x 1-1/2" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	35.49	22.15
		For Work In Restricted Working Space, Add	*9.99*	
22 13 16 00-0565	EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	34.56	22.15
		For Work In Restricted Working Space, Add	*9.99*	
22 13 16 00-0566	EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	44.09	27.69
		For Work In Restricted Working Space, Add	*12.46*	
22 13 16 00-0567	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	46.58	29.41
		For Work In Restricted Working Space, Add	*13.25*	
22 13 16 00-0568	EA	4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	50.20	31.13
		For Work In Restricted Working Space, Add	*14.03*	
22 13 16 00-0569	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	58.03	32.93
		For Work In Restricted Working Space, Add	*14.82*	
22 13 16 00-0570	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	65.25	35.62
		For Work In Restricted Working Space, Add	*16.05*	
22 13 16 00-0571	EA	6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	103.19	44.82
		For Work In Restricted Working Space, Add	*20.21*	
22 13 16 00-0572	EA	8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	208.90	56.05
		For Work In Restricted Working Space, Add	*25.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0573	EA	8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	218.54	59.79
		For Work In Restricted Working Space, Add	*26.94*	

22 13 16 00-0574 Polyvinyl Chloride (PVC) DWV Double Sanitary Tees *(22 13 16 00-0530)*

22 13 16 00-0575	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	40.06	24.92
		For Work In Restricted Working Space, Add	*11.23*	
22 13 16 00-0576	EA	2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	51.77	31.88
		For Work In Restricted Working Space, Add	*14.37*	
22 13 16 00-0577	EA	3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	75.20	42.88
		For Work In Restricted Working Space, Add	*19.31*	
22 13 16 00-0578	EA	4" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	92.29	49.84
		For Work In Restricted Working Space, Add	*22.45*	

22 13 16 00-0579 Polyvinyl Chloride (PVC) DWV Reducing Double Sanitary Tees *(22 13 16 00-0530)*

22 13 16 00-0580	EA	2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	46.16	28.44
		For Work In Restricted Working Space, Add	*12.80*	
22 13 16 00-0581	EA	3" x 3" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	59.10	33.90
		For Work In Restricted Working Space, Add	*15.27*	
22 13 16 00-0582	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	65.86	37.42
		For Work In Restricted Working Space, Add	*16.84*	
22 13 16 00-0583	EA	4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	82.79	40.87
		For Work In Restricted Working Space, Add	*18.41*	
22 13 16 00-0584	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	91.61	46.32
		For Work In Restricted Working Space, Add	*20.88*	

22 13 16 00-0585 Polyvinyl Chloride (PVC) DWV Reducers *(22 13 16 00-0530)*

22 13 16 00-0586	EA	2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers	22.30	14.22
		For Work In Restricted Working Space, Add	*6.40*	
22 13 16 00-0587	EA	3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers	28.57	16.91
		For Work In Restricted Working Space, Add	*7.63*	
22 13 16 00-0588	EA	3" x 2" Polyvinyl Chloride (PVC) DWV Reducers	30.68	18.71
		For Work In Restricted Working Space, Add	*8.42*	
22 13 16 00-0589	EA	4" x 2" Polyvinyl Chloride (PVC) DWV Reducers	35.87	20.43
		For Work In Restricted Working Space, Add	*9.20*	
22 13 16 00-0590	EA	4" x 3" Polyvinyl Chloride (PVC) DWV Reducers	40.23	23.20
		For Work In Restricted Working Space, Add	*10.44*	
22 13 16 00-0591	EA	6" x 3" Polyvinyl Chloride (PVC) DWV Reducers	67.82	26.94
		For Work In Restricted Working Space, Add	*12.12*	
22 13 16 00-0592	EA	6" x 4" Polyvinyl Chloride (PVC) DWV Reducers	65.04	28.67
		For Work In Restricted Working Space, Add	*12.91*	
22 13 16 00-0593	EA	8" x 4" Polyvinyl Chloride (PVC) DWV Reducers	111.86	34.28
		For Work In Restricted Working Space, Add	*15.44*	
22 13 16 00-0594	EA	8" x 6" Polyvinyl Chloride (PVC) DWV Reducers	106.76	38.01
		For Work In Restricted Working Space, Add	*17.12*	
22 13 16 00-0595	EA	10" x 6" Polyvinyl Chloride (PVC) DWV Reducers	135.62	45.28
		For Work In Restricted Working Space, Add	*20.39*	
22 13 16 00-0596	EA	10" x 8" Polyvinyl Chloride (PVC) DWV Reducers	127.14	50.89
		For Work In Restricted Working Space, Add	*22.92*	

22 13 16 00-0597 Polyvinyl Chloride (PVC) DWV P-Traps *(22 13 16 00-0530)*

22 13 16 00-0598	EA	1-1/2" Polyvinyl Chloride (PVC) DWV P-Traps	29.78	18.71
		For Work In Restricted Working Space, Add	*8.42*	
22 13 16 00-0599	EA	2" Polyvinyl Chloride (PVC) DWV P-Traps	38.26	23.94
		For Work In Restricted Working Space, Add	*10.78*	
22 13 16 00-0600	EA	3" Polyvinyl Chloride (PVC) DWV P-Traps	59.92	32.18
		For Work In Restricted Working Space, Add	*14.48*	
22 13 16 00-0601	EA	4" Polyvinyl Chloride (PVC) DWV P-Traps	83.88	37.42
		For Work In Restricted Working Space, Add	*16.84*	
22 13 16 00-0602	EA	6" Polyvinyl Chloride (PVC) DWV P-Traps	122.04	48.57
		For Work In Restricted Working Space, Add	*21.89*	

22 13 16 00-0603 Polyvinyl Chloride (PVC) DWV Closet Flanges *(22 13 16 00-0530)*

22 13 16 00-0604	EA	4" Polyvinyl Chloride (PVC) DWV Closet Flanges	40.71	24.92
		For Work In Restricted Working Space, Add	*11.23*	
22 13 16 00-0605	EA	4" x 3" Polyvinyl Chloride (PVC) DWV Closet Flanges	37.10	23.20
		For Work In Restricted Working Space, Add	*10.44*	

22 13 16 00-0606 Polyvinyl Chloride (PVC) DWV Wyes *(22 13 16 00-0530)*

22 13 16 00-0607	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Wyes	29.82	18.71
		For Work In Restricted Working Space, Add	*8.42*	
22 13 16 00-0608	EA	2" Polyvinyl Chloride (PVC) DWV Wyes	37.68	23.94
		For Work In Restricted Working Space, Add	*10.78*	
22 13 16 00-0609	EA	3" Polyvinyl Chloride (PVC) DWV Wyes	52.26	32.18
		For Work In Restricted Working Space, Add	*14.48*	
22 13 16 00-0610	EA	4" Polyvinyl Chloride (PVC) DWV Wyes	63.57	37.42
		For Work In Restricted Working Space, Add	*16.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0611	EA	6" Polyvinyl Chloride (PVC) DWV Wyes	106.02	48.57
		For Work In Restricted Working Space, Add	*21.89*	
22 13 16 00-0612	EA	8" Polyvinyl Chloride (PVC) DWV Wyes	138.51	65.40
		For Work In Restricted Working Space, Add	*29.47*	
22 13 16 00-0613	EA	10" Polyvinyl Chloride (PVC) DWV Wyes	183.83	87.18
		For Work In Restricted Working Space, Add	*39.29*	

22 13 16 00-0614 Polyvinyl Chloride (PVC) DWV Reducing Wyes *(22 13 16 00-0530)*

22 13 16 00-0615	EA	2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	33.81	20.43
		For Work In Restricted Working Space, Add	*9.20*	
22 13 16 00-0616	EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	36.40	22.15
		For Work In Restricted Working Space, Add	*9.99*	
22 13 16 00-0617	EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	46.41	27.69
		For Work In Restricted Working Space, Add	*12.46*	
22 13 16 00-0618	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	47.24	29.41
		For Work In Restricted Working Space, Add	*13.25*	
22 13 16 00-0619	EA	4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	54.51	31.13
		For Work In Restricted Working Space, Add	*14.03*	
22 13 16 00-0620	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	55.37	32.93
		For Work In Restricted Working Space, Add	*14.82*	
22 13 16 00-0621	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes	60.48	35.62
		For Work In Restricted Working Space, Add	*16.05*	
22 13 16 00-0622	EA	6" x 6" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes	94.72	43.10
		For Work In Restricted Working Space, Add	*19.42*	
22 13 16 00-0623	EA	6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes	105.70	44.82
		For Work In Restricted Working Space, Add	*20.21*	
22 13 16 00-0624	EA	8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes	118.72	56.05
		For Work In Restricted Working Space, Add	*25.26*	
22 13 16 00-0625	EA	8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes	134.99	59.79
		For Work In Restricted Working Space, Add	*26.94*	
22 13 16 00-0626	EA	10" x 10" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes	144.93	70.57
		For Work In Restricted Working Space, Add	*31.81*	
22 13 16 00-0627	EA	10" x 10" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes	162.11	74.32
		For Work In Restricted Working Space, Add	*33.49*	
22 13 16 00-0628	EA	10" x 10" x 8" Polyvinyl Chloride (PVC) DWV Reducing Wyes	179.77	79.93
		For Work In Restricted Working Space, Add	*36.02*	

22 13 16 00-0629 Polyvinyl Chloride (PVC) DWV Double Wyes *(22 13 16 00-0530)*

22 13 16 00-0630	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes	41.16	24.92
		For Work In Restricted Working Space, Add	*11.23*	
22 13 16 00-0631	EA	2" Polyvinyl Chloride (PVC) DWV Double Wyes	52.70	31.88
		For Work In Restricted Working Space, Add	*14.37*	
22 13 16 00-0632	EA	3" Polyvinyl Chloride (PVC) DWV Double Wyes	76.76	42.88
		For Work In Restricted Working Space, Add	*19.31*	
22 13 16 00-0633	EA	4" Polyvinyl Chloride (PVC) DWV Double Wyes	100.00	49.84
		For Work In Restricted Working Space, Add	*22.45*	
22 13 16 00-0634	EA	6" Polyvinyl Chloride (PVC) DWV Double Wyes	154.25	64.81
		For Work In Restricted Working Space, Add	*29.18*	
22 13 16 00-0635	EA	8" Polyvinyl Chloride (PVC) DWV Double Wyes	195.27	87.26
		For Work In Restricted Working Space, Add	*39.29*	
22 13 16 00-0636	EA	10" Polyvinyl Chloride (PVC) DWV Double Wyes	277.07	116.30
		For Work In Restricted Working Space, Add	*52.38*	

22 13 16 00-0637 Polyvinyl Chloride (PVC) DWV Reducing Double Wyes *(22 13 16 00-0530)*

22 13 16 00-0638	EA	2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Wyes	47.05	28.44
		For Work In Restricted Working Space, Add	*12.80*	
22 13 16 00-0639	EA	3" x 3" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Wyes	61.78	33.90
		For Work In Restricted Working Space, Add	*15.27*	
22 13 16 00-0640	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes	65.37	37.42
		For Work In Restricted Working Space, Add	*16.84*	
22 13 16 00-0641	EA	4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes	76.44	40.87
		For Work In Restricted Working Space, Add	*18.41*	
22 13 16 00-0642	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Wyes	89.51	46.32
		For Work In Restricted Working Space, Add	*20.88*	
22 13 16 00-0643	EA	6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes	118.78	57.32
		For Work In Restricted Working Space, Add	*25.82*	
22 13 16 00-0644	EA	8" x 8" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes	141.00	68.55
		For Work In Restricted Working Space, Add	*30.87*	
22 13 16 00-0645	EA	8" x 8" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes	164.20	76.03
		For Work In Restricted Working Space, Add	*34.24*	
22 13 16 00-0646	EA	10" x 10" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes	177.24	83.07
		For Work In Restricted Working Space, Add	*37.42*	
22 13 16 00-0647	EA	10" x 10" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes	206.61	90.55
		For Work In Restricted Working Space, Add	*40.79*	
22 13 16 00-0648	EA	10" x 10" x 8" x 8" Polyvinyl Chloride (PVC) DWV Double Wyes	239.33	101.77
		For Work In Restricted Working Space, Add	*45.83*	

22 13 16 00-0649 Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends *(22 13 16 00-0530)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0650	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	30.91	18.71
		For Work In Restricted Working Space, Add	*8.42*	
22 13 16 00-0651	EA	2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	39.39	23.94
		For Work In Restricted Working Space, Add	*10.78*	
22 13 16 00-0652	EA	3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	57.39	32.18
		For Work In Restricted Working Space, Add	*14.48*	
22 13 16 00-0653	EA	4" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	75.08	37.42
		For Work In Restricted Working Space, Add	*16.84*	

22 13 16 00-0654 Polyvinyl Chloride (PVC) DWV Reducing Combination Wye And 1/8 Bends

(22 13 16 00-0530)

22 13 16 00-0655	EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	40.49	22.15
		For Work In Restricted Working Space, Add	*9.99*	
22 13 16 00-0656	EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	54.02	27.69
		For Work In Restricted Working Space, Add	*12.46*	
22 13 16 00-0657	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	51.96	29.41
		For Work In Restricted Working Space, Add	*13.25*	
22 13 16 00-0658	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	66.77	32.93
		For Work In Restricted Working Space, Add	*14.82*	
22 13 16 00-0659	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	72.32	35.62
		For Work In Restricted Working Space, Add	*16.05*	

22 13 16 00-0660 Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends *(22 13 16 00-0530)*

22 13 16 00-0661	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	42.01	24.92
		For Work In Restricted Working Space, Add	*11.23*	
22 13 16 00-0662	EA	2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	52.80	31.88
		For Work In Restricted Working Space, Add	*14.37*	
22 13 16 00-0663	EA	3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	72.86	42.88
		For Work In Restricted Working Space, Add	*19.31*	
22 13 16 00-0664	EA	4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	119.68	49.84
		For Work In Restricted Working Space, Add	*22.45*	
22 13 16 00-0665	EA	6" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	260.07	64.81
		For Work In Restricted Working Space, Add	*29.18*	

22 13 16 00-0666 Polyvinyl Chloride (PVC) DWV Reducing Double Combination Wye And 1/8 Bends *(22 13 16 00-0530)*

22 13 16 00-0667	EA	2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	57.67	28.44
		For Work In Restricted Working Space, Add	*12.80*	
22 13 16 00-0668	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	81.55	37.42
		For Work In Restricted Working Space, Add	*16.84*	
22 13 16 00-0669	EA	4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	108.74	40.87
		For Work In Restricted Working Space, Add	*18.41*	
22 13 16 00-0670	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	111.05	46.32
		For Work In Restricted Working Space, Add	*20.88*	
22 13 16 00-0671	EA	6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	192.41	57.32
		For Work In Restricted Working Space, Add	*25.82*	

22 13 16 00-0672 Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug *(22 13 16 00-0530)*

22 13 16 00-0673	EA	2" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	44.27	23.94
		For Work In Restricted Working Space, Add	*10.78*	
22 13 16 00-0674	EA	3" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	64.23	32.18
		For Work In Restricted Working Space, Add	*14.48*	
22 13 16 00-0675	EA	4" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	83.89	37.42
		For Work In Restricted Working Space, Add	*16.84*	
22 13 16 00-0676	EA	6" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	153.62	48.57
		For Work In Restricted Working Space, Add	*21.89*	
22 13 16 00-0677	EA	8" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	198.64	65.40
		For Work In Restricted Working Space, Add	*29.47*	
22 13 16 00-0678	EA	10" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	264.15	87.18
		For Work In Restricted Working Space, Add	*39.29*	

22 13 16 00-0679 Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug *(22 13 16 00-0530)*

22 13 16 00-0680	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	20.15	12.50
		For Work In Restricted Working Space, Add	*5.61*	
22 13 16 00-0681	EA	2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	26.27	15.94
		For Work In Restricted Working Space, Add	*7.18*	
22 13 16 00-0682	EA	3" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	35.77	21.40
		For Work In Restricted Working Space, Add	*9.65*	
22 13 16 00-0683	EA	4" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	45.85	24.92
		For Work In Restricted Working Space, Add	*11.23*	
22 13 16 00-0684	EA	6" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	71.77	32.40
		For Work In Restricted Working Space, Add	*14.59*	
22 13 16 00-0685	EA	8" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	121.87	43.63
		For Work In Restricted Working Space, Add	*19.64*	
22 13 16 00-0686	EA	10" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	194.54	58.15
		For Work In Restricted Working Space, Add	*26.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0687		**Polyvinyl Chloride (PVC) Couplings** *(22 13 16 00-0530)*		
22 13 16 00-0688	EA	1-1/2" Polyvinyl Chloride (PVC) Couplings	19.14	12.50
		For Work In Restricted Working Space, Add	*5.61*	
22 13 16 00-0689	EA	2" Polyvinyl Chloride (PVC) Couplings	24.42	15.94
		For Work In Restricted Working Space, Add	*7.18*	
22 13 16 00-0690	EA	3" Polyvinyl Chloride (PVC) Couplings	33.41	21.40
		For Work In Restricted Working Space, Add	*9.65*	
22 13 16 00-0691	EA	4" Polyvinyl Chloride (PVC) Couplings	39.44	24.92
		For Work In Restricted Working Space, Add	*11.23*	
22 13 16 00-0692	EA	6" Polyvinyl Chloride (PVC) Couplings	59.79	32.40
		For Work In Restricted Working Space, Add	*14.59*	
22 13 16 00-0693	EA	8" Polyvinyl Chloride (PVC) Couplings	97.70	43.63
		For Work In Restricted Working Space, Add	*19.64*	
22 13 16 00-0694	EA	10" Polyvinyl Chloride (PVC) Couplings	137.25	58.15
		For Work In Restricted Working Space, Add	*26.19*	
22 13 16 00-0695		**Polyvinyl Chloride (PVC) Male Adapters** *(22 13 16 00-0530)*		
22 13 16 00-0696	EA	1-1/2" Polyvinyl Chloride (PVC) Male Adapters	9.79	6.21
22 13 16 00-0697	EA	2" Polyvinyl Chloride (PVC) Male Adapters	13.05	8.01
22 13 16 00-0698	EA	3" Polyvinyl Chloride (PVC) Male Adapters	19.04	10.70
22 13 16 00-0699	EA	4" Polyvinyl Chloride (PVC) Male Adapters	25.48	12.50
22 13 16 00-0700		**Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe** *(22 13 16 00-0504)*		
		Note: In place piping.		
22 13 16 00-0701	EA	1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	5.49	
22 13 16 00-0702	EA	2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	6.04	
22 13 16 00-0703	EA	3", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	7.68	
22 13 16 00-0704	EA	4", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	10.37	
22 13 16 00-0705	EA	6", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	14.81	
22 13 16 00-0706	EA	8", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	19.75	
22 13 16 00-0707	EA	10", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	24.15	
22 13 16 00-0708		**Acrylonitrile Butadiene Styrene (ABS) Drain-Waste-Vent (DWV) Pipe And Fittings** *(22 13 16)*		
		Note: Aboveground installation.		
22 13 16 00-0709		**Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assemblies** *(22 13 16 00-0708)*		
		Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.		
22 13 16 00-0710	LF	1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	15.60	3.14
		For Work In Restricted Working Space, Add	*4.31*	
22 13 16 00-0711	LF	2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	17.29	3.74
		For Work In Restricted Working Space, Add	*4.77*	
22 13 16 00-0712	LF	3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	22.28	5.39
		For Work In Restricted Working Space, Add	*5.92*	
22 13 16 00-0713	LF	4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	25.12	5.84
		For Work In Restricted Working Space, Add	*6.58*	
22 13 16 00-0714	LF	6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	36.85	7.48
		For Work In Restricted Working Space, Add	*8.75*	
22 13 16 00-0715		**Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe (ASTM F-628)** *(22 13 16 00-0708)*		
		Note: Excludes fittings or hangers.		
22 13 16 00-0716	LF	1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	5.12	3.14
		For Work In Restricted Working Space, Add	*1.40*	
22 13 16 00-0717	LF	2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	6.22	3.74
		For Work In Restricted Working Space, Add	*1.68*	
22 13 16 00-0718	LF	3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	9.31	5.39
		For Work In Restricted Working Space, Add	*2.42*	
22 13 16 00-0719	LF	4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	10.53	5.84
		For Work In Restricted Working Space, Add	*2.62*	
22 13 16 00-0720	LF	6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	14.61	7.31
		For Work In Restricted Working Space, Add	*3.29*	
22 13 16 00-0721		**Acrylonitrile Butadiene Styrene (ABS) DWV Fittings (ASTM D-2661)** *(22 13 16 00-0708)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0722		**Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends** *(22 13 16 00-0721)*		
22 13 16 00-0723	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	20.63	12.50
		For Work In Restricted Working Space, Add	*5.61*	
22 13 16 00-0724	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	26.68	15.94
		For Work In Restricted Working Space, Add	*7.18*	
22 13 16 00-0725	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	40.65	21.40
		For Work In Restricted Working Space, Add	*9.65*	
22 13 16 00-0726	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	54.01	24.92
		For Work In Restricted Working Space, Add	*11.23*	
22 13 16 00-0727	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	110.55	32.40
		For Work In Restricted Working Space, Add	*14.59*	
22 13 16 00-0728		**Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends** *(22 13 16 00-0721)*		
22 13 16 00-0729	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	23.29	12.50
		For Work In Restricted Working Space, Add	*5.61*	
22 13 16 00-0730	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	29.28	15.94
		For Work In Restricted Working Space, Add	*7.18*	
22 13 16 00-0731	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	47.10	21.40
		For Work In Restricted Working Space, Add	*9.65*	
22 13 16 00-0732	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	66.85	24.92
		For Work In Restricted Working Space, Add	*11.23*	
22 13 16 00-0733		**Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends** *(22 13 16 00-0721)*		
22 13 16 00-0734	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	20.99	12.50
		For Work In Restricted Working Space, Add	*5.61*	
22 13 16 00-0735	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	26.43	15.94
		For Work In Restricted Working Space, Add	*7.18*	
22 13 16 00-0736	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	39.32	21.40
		For Work In Restricted Working Space, Add	*9.65*	
22 13 16 00-0737	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	51.56	24.92
		For Work In Restricted Working Space, Add	*11.23*	
22 13 16 00-0738	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	113.12	32.40
		For Work In Restricted Working Space, Add	*14.59*	
22 13 16 00-0739		**Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees** *(22 13 16 00-0721)*		
22 13 16 00-0740	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	31.34	18.71
		For Work In Restricted Working Space, Add	*8.42*	
22 13 16 00-0741	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	40.84	23.94
		For Work In Restricted Working Space, Add	*10.78*	
22 13 16 00-0742	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	60.81	32.18
		For Work In Restricted Working Space, Add	*14.48*	
22 13 16 00-0743	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	80.23	37.42
		For Work In Restricted Working Space, Add	*16.84*	
22 13 16 00-0744	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	203.61	48.57
		For Work In Restricted Working Space, Add	*21.89*	
22 13 16 00-0745		**Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees** *(22 13 16 00-0721)*		
22 13 16 00-0746	EA	2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	35.90	20.43
		For Work In Restricted Working Space, Add	*9.20*	
22 13 16 00-0747	EA	2" x 1-1/2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	40.63	22.15
		For Work In Restricted Working Space, Add	*9.99*	
22 13 16 00-0748	EA	2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	38.02	22.15
		For Work In Restricted Working Space, Add	*9.99*	
22 13 16 00-0749	EA	3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	51.11	27.69
		For Work In Restricted Working Space, Add	*12.46*	
22 13 16 00-0750	EA	3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	53.82	29.41
		For Work In Restricted Working Space, Add	*13.25*	
22 13 16 00-0751	EA	4" x 4" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	81.51	31.13
		For Work In Restricted Working Space, Add	*14.03*	
22 13 16 00-0752	EA	4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	81.83	32.93
		For Work In Restricted Working Space, Add	*14.82*	
22 13 16 00-0753	EA	4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	91.53	35.62
		For Work In Restricted Working Space, Add	*16.05*	
22 13 16 00-0754	EA	6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	213.42	44.82
		For Work In Restricted Working Space, Add	*20.21*	
22 13 16 00-0755		**Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees** *(22 13 16 00-0721)*		
22 13 16 00-0756	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	47.37	24.92
		For Work In Restricted Working Space, Add	*11.23*	
22 13 16 00-0757	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	62.42	31.88
		For Work In Restricted Working Space, Add	*14.37*	
22 13 16 00-0758	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	105.13	42.88
		For Work In Restricted Working Space, Add	*19.31*	
22 13 16 00-0759	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	140.19	49.84
		For Work In Restricted Working Space, Add	*22.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0760		**Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Sanitary Tees** *(22 13 16 00-0721)*		
22 13 16 00-0761	EA	2" x 2" x 1-1/2" x 1-1/2 Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	53.94	28.44
		For Work In Restricted Working Space, Add	*12.80*	
22 13 16 00-0762	EA	3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	71.67	33.90
		For Work In Restricted Working Space, Add	*15.27*	
22 13 16 00-0763	EA	3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	80.72	37.42
		For Work In Restricted Working Space, Add	*16.84*	
22 13 16 00-0764	EA	4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	114.09	39.90
		For Work In Restricted Working Space, Add	*17.98*	
22 13 16 00-0765	EA	4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	123.61	45.23
		For Work In Restricted Working Space, Add	*20.39*	
22 13 16 00-0766		**Acrylonitrile Butadiene Styrene (ABS) DWV Wyes** *(22 13 16 00-0721)*		
22 13 16 00-0767	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	34.65	18.71
		For Work In Restricted Working Space, Add	*8.42*	
22 13 16 00-0768	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	42.69	23.94
		For Work In Restricted Working Space, Add	*10.78*	
22 13 16 00-0769	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	63.25	32.18
		For Work In Restricted Working Space, Add	*14.48*	
22 13 16 00-0770	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	84.05	37.42
		For Work In Restricted Working Space, Add	*16.84*	
22 13 16 00-0771	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	175.40	48.57
		For Work In Restricted Working Space, Add	*21.89*	
22 13 16 00-0772		**Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes** *(22 13 16 00-0721)*		
22 13 16 00-0773	EA	2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	42.44	20.43
		For Work In Restricted Working Space, Add	*9.20*	
22 13 16 00-0774	EA	2" x 2" X 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	44.94	22.15
		For Work In Restricted Working Space, Add	*9.99*	
22 13 16 00-0775	EA	3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	55.79	29.41
		For Work In Restricted Working Space, Add	*13.25*	
22 13 16 00-0776	EA	4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	71.83	32.93
		For Work In Restricted Working Space, Add	*14.82*	
22 13 16 00-0777	EA	4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	79.71	35.62
		For Work In Restricted Working Space, Add	*16.05*	
22 13 16 00-0778	EA	6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	151.99	44.82
		For Work In Restricted Working Space, Add	*20.21*	
22 13 16 00-0779		**Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes** *(22 13 16 00-0721)*		
22 13 16 00-0780	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	51.44	24.92
		For Work In Restricted Working Space, Add	*11.23*	
22 13 16 00-0781	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	65.94	31.88
		For Work In Restricted Working Space, Add	*14.37*	
22 13 16 00-0782	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	110.98	42.88
		For Work In Restricted Working Space, Add	*19.31*	
22 13 16 00-0783	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	169.31	49.84
		For Work In Restricted Working Space, Add	*22.45*	
22 13 16 00-0784		**Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Wyes** *(22 13 16 00-0721)*		
22 13 16 00-0785	EA	2" x 2" x 1-1/2" x 1-1/2 Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	59.14	28.44
		For Work In Restricted Working Space, Add	*12.80*	
22 13 16 00-0786	EA	3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	83.78	33.90
		For Work In Restricted Working Space, Add	*15.27*	
22 13 16 00-0787	EA	3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	90.75	37.42
		For Work In Restricted Working Space, Add	*16.84*	
22 13 16 00-0788	EA	4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	118.00	40.87
		For Work In Restricted Working Space, Add	*18.41*	
22 13 16 00-0789	EA	4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	144.40	46.32
		For Work In Restricted Working Space, Add	*20.88*	
22 13 16 00-0790		**Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bend** *(22 13 16 00-0721)*		
22 13 16 00-0791	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	38.59	18.71
		For Work In Restricted Working Space, Add	*8.42*	
22 13 16 00-0792	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	49.61	23.94
		For Work In Restricted Working Space, Add	*10.78*	
22 13 16 00-0793	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	70.82	32.18
		For Work In Restricted Working Space, Add	*14.48*	
22 13 16 00-0794	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	99.08	36.54
		For Work In Restricted Working Space, Add	*16.44*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0795		Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Combination Wye And 1/8 Bend *(22 13 16 00-0721)*			
22 13 16 00-0796	EA	2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends		44.38	22.15
		For Work In Restricted Working Space, Add		*9.99*	
22 13 16 00-0797	EA	3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends		67.78	27.69
		For Work In Restricted Working Space, Add		*12.46*	
22 13 16 00-0798	EA	3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends		60.55	29.41
		For Work In Restricted Working Space, Add		*13.25*	
22 13 16 00-0799	EA	4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends		85.94	32.93
		For Work In Restricted Working Space, Add		*14.82*	
22 13 16 00-0800	EA	4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends		93.07	35.62
		For Work In Restricted Working Space, Add		*16.05*	
22 13 16 00-0801		Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bend *(22 13 16 00-0721)*			
22 13 16 00-0802	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends		72.68	31.88
		For Work In Restricted Working Space, Add		*14.37*	
22 13 16 00-0803	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends		121.50	42.88
		For Work In Restricted Working Space, Add		*19.31*	
22 13 16 00-0804		Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Combination Wye And 1/8 Bend *(22 13 16 00-0721)*			
22 13 16 00-0805	EA	2" x 2" x 1-1/2" x 1-1/2 Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends		62.60	28.44
		For Work In Restricted Working Space, Add		*12.80*	
22 13 16 00-0806	EA	3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends		112.31	37.42
		For Work In Restricted Working Space, Add		*16.84*	
22 13 16 00-0807		Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug *(22 13 16 00-0721)*			
22 13 16 00-0808	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug		40.45	18.71
		For Work In Restricted Working Space, Add		*8.42*	
22 13 16 00-0809	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug		51.46	23.94
		For Work In Restricted Working Space, Add		*10.78*	
22 13 16 00-0810	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug		74.97	32.18
		For Work In Restricted Working Space, Add		*14.48*	
22 13 16 00-0811	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug		106.04	37.42
		For Work In Restricted Working Space, Add		*16.84*	
22 13 16 00-0812		Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug *(22 13 16 00-0721)*			
22 13 16 00-0813	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug		22.96	12.50
		For Work In Restricted Working Space, Add		*5.61*	
22 13 16 00-0814	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug		30.79	15.94
		For Work In Restricted Working Space, Add		*7.18*	
22 13 16 00-0815	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug		42.71	21.40
		For Work In Restricted Working Space, Add		*9.65*	
22 13 16 00-0816	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug		62.22	24.92
		For Work In Restricted Working Space, Add		*11.23*	
22 13 16 00-0817	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug		116.72	32.40
		For Work In Restricted Working Space, Add		*14.59*	
22 13 16 00-0818		Acrylonitrile Butadiene Styrene (ABS) DWV Couplings *(22 13 16 00-0721)*			
22 13 16 00-0819	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings		20.17	12.50
		For Work In Restricted Working Space, Add		*5.61*	
22 13 16 00-0820	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings		25.48	15.94
		For Work In Restricted Working Space, Add		*7.18*	
22 13 16 00-0821	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings		36.38	21.40
		For Work In Restricted Working Space, Add		*9.65*	
22 13 16 00-0822	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings		44.34	24.92
		For Work In Restricted Working Space, Add		*11.23*	
22 13 16 00-0823	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings		82.85	32.40
		For Work In Restricted Working Space, Add		*14.59*	
22 13 16 00-0824		Acrylonitrile Butadiene Styrene (ABS) DWV Reducers *(22 13 16 00-0721)*			
22 13 16 00-0825	EA	2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers		25.03	14.22
		For Work In Restricted Working Space, Add		*6.40*	
22 13 16 00-0826	EA	3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers		37.20	16.91
		For Work In Restricted Working Space, Add		*7.63*	
22 13 16 00-0827	EA	3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers		37.92	18.71
		For Work In Restricted Working Space, Add		*8.42*	
22 13 16 00-0828	EA	4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers		50.14	20.43
		For Work In Restricted Working Space, Add		*9.20*	
22 13 16 00-0829	EA	4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers		55.16	23.20
		For Work In Restricted Working Space, Add		*10.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 13 16 00-0830 Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps *(22 13 16 00-0721)*

22 13 16 00-0831	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	35.25	18.71
		For Work In Restricted Working Space, Add	*8.42*	
22 13 16 00-0832	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	47.56	23.94
		For Work In Restricted Working Space, Add	*10.78*	
22 13 16 00-0833	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	101.61	32.18
		For Work In Restricted Working Space, Add	*14.48*	
22 13 16 00-0834	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	165.40	37.42
		For Work In Restricted Working Space, Add	*16.84*	

22 13 16 00-0835 Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges *(22 13 16 00-0721)*

22 13 16 00-0836	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges	47.46	24.92
		For Work In Restricted Working Space, Add	*11.23*	
22 13 16 00-0837	EA	4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges	44.22	23.20
		For Work In Restricted Working Space, Add	*10.44*	

22 13 16 00-0838 Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters *(22 13 16 00-0721)*

22 13 16 00-0839	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	11.23	6.21
		For Work In Restricted Working Space, Add	*2.81*	
22 13 16 00-0840	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	15.29	8.01
		For Work In Restricted Working Space, Add	*3.59*	
22 13 16 00-0841	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	25.74	10.70
		For Work In Restricted Working Space, Add	*4.83*	
22 13 16 00-0842	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	40.05	12.50
		For Work In Restricted Working Space, Add	*5.61*	

22 13 16 00-0843 Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushings *(22 13 16 00-0721)*

22 13 16 00-0844	EA	2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	22.86	14.22
		For Work In Restricted Working Space, Add	*6.40*	
22 13 16 00-0845	EA	3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	33.77	16.91
		For Work In Restricted Working Space, Add	*7.63*	
22 13 16 00-0846	EA	3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	33.35	18.71
		For Work In Restricted Working Space, Add	*8.42*	
22 13 16 00-0847	EA	4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	49.87	20.43
		For Work In Restricted Working Space, Add	*9.20*	
22 13 16 00-0848	EA	4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	45.92	23.20
		For Work In Restricted Working Space, Add	*10.44*	
22 13 16 00-0849	EA	6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	85.62	27.99
		For Work In Restricted Working Space, Add	*12.60*	

22 13 16 00-0850 Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Couplings *(22 13 16 00-0721)*

22 13 16 00-0851	EA	1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	25.79	12.50
		For Work In Restricted Working Space, Add	*5.61*	
22 13 16 00-0852	EA	2" x 2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	31.49	15.94
		For Work In Restricted Working Space, Add	*7.18*	
22 13 16 00-0853	EA	3" x 3" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	40.20	21.40
		For Work In Restricted Working Space, Add	*9.65*	
22 13 16 00-0854	EA	4" x 4" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	45.91	24.92
		For Work In Restricted Working Space, Add	*11.23*	

22 13 16 00-0855 Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe

(22 13 16 00-0708)

Note: In place piping.

22 13 16 00-0856	EA	1-1/2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	5.49	
22 13 16 00-0857	EA	2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	6.04	
22 13 16 00-0858	EA	3", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	7.68	
22 13 16 00-0859	EA	4", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	10.37	
22 13 16 00-0860	EA	6", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	14.81	

22 13 16 00-0861 Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings *(22 13 16)*

22 13 16 00-0862 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings *(22 13 16 00-0861)*

Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps. Fernco 1056.

22 13 16 00-0863	EA	1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	9.83	3.25
22 13 16 00-0864	EA	1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	9.95	3.45
22 13 16 00-0865	EA	2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	10.48	3.65
22 13 16 00-0866	EA	3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	11.99	3.87
22 13 16 00-0867	EA	4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	13.46	4.07
22 13 16 00-0868	EA	5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	16.91	4.27
22 13 16 00-0869	EA	6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	20.36	4.47
22 13 16 00-0870	EA	8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	27.33	4.87
22 13 16 00-0871	EA	10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	35.81	5.69

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0872		**Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Couplings** *(22 13 16 00-0861)* Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps. Fernco 1056.		
22 13 16 00-0873	EA	1-1/2" x 1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	10.47	3.45
22 13 16 00-0874	EA	2" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	10.66	3.65
22 13 16 00-0875	EA	3" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	13.96	3.87
22 13 16 00-0876	EA	3" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	12.50	3.87
22 13 16 00-0877	EA	4" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	17.22	4.07
22 13 16 00-0878	EA	4" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	16.47	4.07
22 13 16 00-0879	EA	4" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	15.09	4.07
22 13 16 00-0880	EA	5" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	21.93	4.27
22 13 16 00-0881	EA	5" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	19.81	4.27
22 13 16 00-0882	EA	6" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	27.15	4.47
22 13 16 00-0883	EA	6" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	23.99	4.47
22 13 16 00-0884	EA	6" x 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	24.87	4.47
22 13 16 00-0885	EA	8" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	48.84	8.12
22 13 16 00-0886	EA	8" x 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	40.06	8.12
22 13 16 00-0887	EA	10" x 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	50.70	9.14
22 13 16 00-0888		**Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Caps** *(22 13 16)* Note: For cast iron, steel, copper or plastic pipe. Includes stainless steel clamp. Fernco QC.		
22 13 16 00-0889	EA	1-1/2" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap	36.28	21.95
22 13 16 00-0890	EA	2" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap	38.96	23.33
22 13 16 00-0891	EA	3" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap	45.16	26.75
22 13 16 00-0892	EA	4" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap	59.57	35.36
22 13 16 00-0893	EA	5" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap	71.44	42.28
22 13 16 00-0894	EA	6" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap	82.23	48.78
22 13 16 00-0895	EA	8" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap	111.01	61.79
22 13 16 00-0896		**Cast Iron Vent Stack Flashing Sleeves With Caulking Recess** *(22 13 16)* Note: Josam 26450 Series.		
22 13 16 00-0897	EA	1-1/2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	53.99	16.84
22 13 16 00-0898	EA	2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	57.74	18.71
22 13 16 00-0899	EA	3" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	83.48	24.33
22 13 16 00-0900	EA	4" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	97.50	28.06
22 13 16 00-0901	EA	5" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	112.96	31.81
22 13 16 00-0902	EA	6" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	175.60	35.55
22 13 16 00-0903		**Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess** *(22 13 16)* Note: Josam 26440 Series		
22 13 16 00-0904	EA	1-1/2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	96.81	16.84
22 13 16 00-0905	EA	2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	100.56	18.71
22 13 16 00-0906	EA	3" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	121.22	24.33
22 13 16 00-0907	EA	4" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	149.75	28.06
22 13 16 00-0908	EA	5" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	199.33	31.81
22 13 16 00-0909	EA	6" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	206.81	35.55
22 13 16 00-0910		**Cast Iron Vandal Proof Hooded Vent Cap** *(22 13 16)* Note: Includes counterflashing collar, deep protective hood and recessed securing screws. Josam 26700 Series.		
22 13 16 00-0911	EA	1-1/2" Cast Iron Vandal Proof Hooded Vent Cap	173.01	16.84
22 13 16 00-0912	EA	2" Cast Iron Vandal Proof Hooded Vent Cap	176.76	18.71
22 13 16 00-0913	EA	3" Cast Iron Vandal Proof Hooded Vent Cap	205.40	24.33
22 13 16 00-0914	EA	4" Cast Iron Vandal Proof Hooded Vent Cap	231.76	28.06
22 13 16 00-0915	EA	5" Cast Iron Vandal Proof Hooded Vent Cap	269.73	31.81
22 13 16 00-0916	EA	6" Cast Iron Vandal Proof Hooded Vent Cap	295.35	35.55

22 13 19 Sanitary Waste Piping Specialties *(22 13)*

22 13 19 13 Sanitary Drains *(22 13 19)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0001		**Round Top Floor Drains** *(22 13 19 13)*		
22 13 19 13-0002	EA	6" Round Top Floor Drain With 1-1/2" Outlet, Bronze Top	269.37	80.45
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0003	EA	6" Round Top Floor Drain With 2" Outlet, Bronze Top	298.53	90.18
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0004	EA	6" Round Top Floor Drain With 3" Outlet, Bronze Top	308.06	99.76
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0005	EA	6" Round Top Floor Drain With 4" Outlet, Bronze Top	328.61	110.08
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0006	EA	9" Round Top Floor Drain With 2" Outlet, Cast Iron Top	283.83	90.18
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
22 13 19 13-0007	EA	9" Round Top Floor Drain With 3" Outlet, Cast Iron Top	303.06	99.76
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
22 13 19 13-0008	EA	9" Round Top Floor Drain With 4" Outlet, Cast Iron Top	323.61	110.08
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
22 13 19 13-0009	EA	9" Round Top Floor Drain With 2" Outlet, Nikaloy Top	386.83	90.18
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
22 13 19 13-0010	EA	9" Round Top Floor Drain With 3" Outlet, Nikaloy Top	406.06	99.76
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
22 13 19 13-0011	EA	9" Round Top Floor Drain With 4" Outlet, Nikaloy Top	426.61	110.08
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
22 13 19 13-0012	EA	9" Round Top Floor Drain With 2" Outlet, Bronze Top	371.83	90.18
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0013	EA	9" Round Top Floor Drain With 3" Outlet, Bronze Top	390.96	99.76
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
22 13 19 13-0014	EA	9" Round Top Floor Drain With 4" Outlet, Bronze Top	411.61	110.08
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
22 13 19 13-0015	EA	12-5/8" Round Top Floor Drain With 2" Outlet, Cast Iron Top	395.74	90.10
		For Chained Grate, Add	*48.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
22 13 19 13-0016	EA	12-5/8" Round Top Floor Drain With 3" Outlet, Cast Iron Top	414.96	99.76
		For Chained Grate, Add	*48.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
22 13 19 13-0017	EA	12-5/8" Round Top Floor Drain With 4" Outlet, Cast Iron Top	435.61	110.08
		For Chained Grate, Add	*48.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
22 13 19 13-0018	EA	12-5/8" Round Top Floor Drain With 2" Outlet, Nikaloy Top	549.74	90.10
		For Chained Grate, Add	*48.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
22 13 19 13-0019	EA	12-5/8" Round Top Floor Drain With 3" Outlet, Nikaloy Top	568.96	99.76
		For Chained Grate, Add	*48.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
22 13 19 13-0020	EA	12-5/8" Round Top Floor Drain With 4" Outlet, Nikaloy Top	589.61	110.08
		For Chained Grate, Add	*48.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0021	EA	12-5/8" Round Top Floor Drain With 2" Outlet, Bronze Top	529.24	90.10
		For Chained Grate, Add	*48.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
22 13 19 13-0022	EA	12-5/8" Round Top Floor Drain With 3" Outlet, Bronze Top	548.46	99.76
		For Chained Grate, Add	*48.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
22 13 19 13-0023	EA	12-5/8" Round Top Floor Drain With 4" Outlet, Bronze Top	569.11	110.08
		For Chained Grate, Add	*48.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	

22 13 19 13-0024 Square Or Rectangular Top Drains *(22 13 19 13)*

22 13 19 13-0025	EA	5" x 5" Floor Drain With 2" Bottom Outlet, Nikaloy Top	312.24	90.10
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0026	EA	5" x 5" Floor Drain With 3" Bottom Outlet, Nikaloy Top	331.67	99.83
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0027	EA	5" x 5" Floor Drain With 4" Bottom Outlet, Nikaloy Top	352.11	110.08
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0028	EA	6" x 6" Floor Drain With 2" Bottom Outlet, Nikaloy Top	327.24	90.10
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0029	EA	6" x 6" Floor Drain With 3" Bottom Outlet, Nikaloy Top	346.67	99.83
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0030	EA	6" x 6" Floor Drain With 4" Bottom Outlet, Nikaloy Top	367.11	110.08
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0031	EA	8" x 8" Floor Drain With 2" Bottom Outlet, Nikaloy Top	393.24	90.10
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0032	EA	8" x 8" Floor Drain With 3" Bottom Outlet, Nikaloy Top	412.67	99.83
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0033	EA	8" x 8" Floor Drain With 4" Bottom Outlet, Nikaloy Top	433.11	110.08
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0034	EA	5" x 5" Floor Drain With 2" Bottom Outlet, Bronze Top	301.24	90.10
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0035	EA	5" x 5" Floor Drain With 3" Bottom Outlet, Bronze Top	320.67	99.83
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0036	EA	5" x 5" Floor Drain With 4" Bottom Outlet, Bronze Top	341.11	110.08
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0037	EA	6" x 6" Floor Drain With 2" Bottom Outlet, Bronze Top	320.24	90.10
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0038	EA	6" x 6" Floor Drain With 3" Bottom Outlet, Bronze Top	339.67	99.83
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0039	EA	6" x 6" Floor Drain With 4" Bottom Outlet, Bronze Top	360.11	110.08
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0040	EA	8" x 8" Floor Drain With 2" Bottom Outlet, Bronze Top	373.74	90.10
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0041	EA	8" x 8" Floor Drain With 3" Bottom Outlet, Bronze Top	393.17	99.83
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0042	EA	8" x 8" Floor Drain With 4" Bottom Outlet, Bronze Top	413.61	110.08
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0043	EA	12" x 12" Can Wash Drain With 3" Bottom Outlet, Cast Iron Top	779.17	99.83
		For Chained Grate, Add	*48.50*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Galvanized Cast Iron Parts, Add	*212.00*	
22 13 19 13-0044	EA	12" x 12" Can Wash Drain With 4" Bottom Outlet, Cast Iron Top	799.61	110.08
		For Chained Grate, Add	*48.50*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Galvanized Cast Iron Parts, Add	*212.00*	
22 13 19 13-0045	EA	12" x 12" Can Wash Drain With 3" Bottom Outlet, Nikaloy Top	942.17	99.83
		For Chained Grate, Add	*48.50*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Galvanized Cast Iron Parts, Add	*212.00*	
22 13 19 13-0046	EA	12" x 12" Can Wash Drain With 4" Bottom Outlet, Nikaloy Top	962.61	110.08
		For Chained Grate, Add	*48.50*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Galvanized Cast Iron Parts, Add	*212.00*	
22 13 19 13-0047	EA	12" x 12" Can Wash Drain With 3" Bottom Outlet, Bronze Top	922.67	99.83
		For Chained Grate, Add	*48.50*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Galvanized Cast Iron Parts, Add	*212.00*	
22 13 19 13-0048	EA	12" x 12" Can Wash Drain With 4" Bottom Outlet, Bronze Top	943.11	110.08
		For Chained Grate, Add	*48.50*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Galvanized Cast Iron Parts, Add	*212.00*	
22 13 19 13-0049	EA	5" x 9" Floor Drain With 2" Bottom Outlet, Nikaloy Top	397.24	90.10
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0050	EA	5" x 9" Floor Drain With 3" Bottom Outlet, Nikaloy Top	416.67	99.83
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0051	EA	5" x 9" Floor Drain With 4" Bottom Outlet, Nikaloy Top	437.11	110.08
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0052	EA	5" x 13" Floor Drain With 2" Bottom Outlet, Nikaloy Top	474.74	90.10
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0053	EA	5" x 13" Floor Drain With 3" Bottom Outlet, Nikaloy Top	494.17	99.83
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0054	EA	5" x 13" Floor Drain With 4" Bottom Outlet, Nikaloy Top	514.61	110.08
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0055	EA	5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Nikaloy Top	492.74	90.10
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0056	EA	5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Nikaloy Top	512.17	99.83
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0057	EA	5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Nikaloy Top	532.61	110.08
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0058	EA	5" x 21" Floor Drain With 2" Bottom Outlet, Nikaloy Top	632.24	90.10
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0059	EA	5" x 21" Floor Drain With 3" Bottom Outlet, Nikaloy Top	651.67	99.83
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0060	EA	5" x 21" Floor Drain With 4" Bottom Outlet, Nikaloy Top	672.11	110.08
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0061	EA	5" x 9" Floor Drain With 2" Bottom Outlet, Bronze Top	381.24	90.10
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0062	EA	5" x 9" Floor Drain With 3" Bottom Outlet, Bronze Top	400.67	99.83
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0063	EA	5" x 9" Floor Drain With 4" Bottom Outlet, Bronze Top	421.11	110.08
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0064	EA	5" x 13" Floor Drain With 2" Bottom Outlet, Bronze Top	447.24	90.10
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0065	EA	5" x 13" Floor Drain With 3" Bottom Outlet, Bronze Top	466.67	99.83
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0066	EA	5" x 13" Floor Drain With 4" Bottom Outlet, Bronze Top	487.11	110.08
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0067	EA	5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Bronze Top	465.24	90.10
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0068	EA	5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Bronze Top	484.67	99.83
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0069	EA	5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Bronze Top	505.11	110.08
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0070	EA	5" x 21" Floor Drain With 2" Bottom Outlet, Bronze Top	578.74	90.10
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0071	EA	5" x 21" Floor Drain With 3" Bottom Outlet, Bronze Top	598.17	99.83
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0072	EA	5" x 21" Floor Drain With 4" Bottom Outlet, Bronze Top	618.61	110.08
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	

22 13 19 13-0073 Funnel Type Floor Drains *(22 13 19 13)*

22 13 19 13-0074	EA	7" Diameter Floor Drain With 4" Round Funnel With 1-1/2" Outlet, Bronze Top	368.44	80.45
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0075	EA	7" Diameter Floor Drain With 4" Round Funnel With 2" Outlet, Bronze Top	387.74	90.10
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0076	EA	7" Diameter Floor Drain With 4" Round Funnel With 3" Outlet, Bronze Top	406.96	99.76
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0077	EA	7" Diameter Floor Drain With 4" Round Funnel With 4" Outlet, Bronze Top	427.61	110.08
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0078	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Nikaloy Top	500.24	90.10
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0079	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Nikaloy Top	519.46	99.76
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0080	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Nikaloy Top	540.11	110.08
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0081	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Bronze Top	480.74	90.10
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0082	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Bronze Top	499.96	99.76
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0083	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Bronze Top	520.61	110.08
		For Galvanized Cast Iron Parts, Add	*40.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	

22 13 19 13-0084 Floor Drain With Sediment Bucket Bottom Outlet *(22 13 19 13)*

22 13 19 13-0085	EA	12-5/8" Round Floor Drain With Sediment Bucket, 2" Bottom Outlet, Satin Bronze Top, Without Trap	654.37	80.45
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*247.00*	
22 13 19 13-0086	EA	12-5/8" Round Floor Drain With Sediment Bucket, 3" Bottom Outlet, Satin Bronze Top, Without Trap	673.74	90.10
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*247.00*	
22 13 19 13-0087	EA	12-5/8" Round Floor Drain With Sediment Bucket, 4" Bottom Outlet, Satin Bronze Top, Without Trap	692.96	99.76
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*247.00*	
22 13 19 13-0088	EA	12-5/8" Round Floor Drain With Sediment Bucket, 5" Bottom Outlet, Satin Bronze Top, Without Trap	713.61	110.08
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*247.00*	
22 13 19 13-0089	EA	12-5/8" Round Floor Drain With Sediment Bucket, 6" Bottom Outlet, Satin Bronze Top, Without Trap	734.90	120.71
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*247.00*	
22 13 19 13-0090	EA	12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate	711.74	90.10
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*182.50*	
22 13 19 13-0091	EA	12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate	731.17	99.83
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*182.50*	
22 13 19 13-0092	EA	12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate	751.61	110.08
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*182.50*	
22 13 19 13-0093	EA	12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate	772.90	120.71
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*182.50*	
22 13 19 13-0094	EA	12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate	486.24	90.10
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*182.50*	
22 13 19 13-0095	EA	12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate	505.67	99.83
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*182.50*	
22 13 19 13-0096	EA	12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate	526.11	110.08
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*182.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0097	EA	12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate	547.40	120.71
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*182.50*	
22 13 19 13-0098	EA	12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate	672.74	90.10
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*182.50*	
22 13 19 13-0099	EA	12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate	692.17	99.83
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*182.50*	
22 13 19 13-0100	EA	12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate	712.61	110.08
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*182.50*	
22 13 19 13-0101	EA	12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate	733.90	120.71
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*182.50*	

22 13 19 13-0102 Other Drains *(22 13 19 13)*

22 13 19 13-0103 Shower Drains *(22 13 19 13-0102)*

22 13 19 13-0104	EA	4-1/4" Stainless Steel Shower Drain Strainer Note: Includes two 2-5/8" screws.	29.14	8.12
22 13 19 13-0105	EA	4-1/4" Brass Shower Drain Strainer Note: Includes two 2-5/8" screws.	32.11	8.12
22 13 19 13-0106	EA	4" Brass Shower Drain For Polyvinyl Chloride (PVC) Pipe Note: Fits over 2" polyvinyl chloride (PVC) pipe or inside 3" polyvinyl chloride (PVC) pipe.	68.17	16.26
22 13 19 13-0107	EA	4" Chrome Finish, Threaded Brass Shower Drain And Gasket Note: For 2" pipe. Kohler K-9132.	85.21	16.26

22 13 19 13-0108 Acid Resistant Floor Drains *(22 13 19 13-0102)*

22 13 19 13-0109	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Acid Resistant Top	370.37	80.45
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0110	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Acid Resistant Top	389.74	90.10
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0111	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Acid Resistant Top	408.96	99.76
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	

22 13 19 13-0112 Rotary And Lever Drains *(22 13 19 13-0102)*

22 13 19 13-0113	EA	Lever Drain, 1-1/2" Drain, 3" Sink Opening	161.45	54.25
22 13 19 13-0114	EA	Lever Drain, 2" Drain, 3" Sink Opening	172.68	59.87
22 13 19 13-0115	EA	Lever Drain, 1-1/2" Drain, 3-1/2" Sink Opening	161.45	54.25
22 13 19 13-0116	EA	Lever Drain, 2" Drain, 3-1/2" Sink Opening	172.68	59.87
22 13 19 13-0117	EA	Twist Drain, 1-1/2" Drain, 3" Sink Opening	161.45	54.25
22 13 19 13-0118	EA	Twist Drain, 2" Drain, 3" Sink Opening	172.68	59.87
22 13 19 13-0119	EA	Twist Drain, 1-1/2" Drain, 3-1/2" Sink Opening	161.45	54.25
22 13 19 13-0120	EA	Twist Drain, 2" Drain, 3-1/2" Sink Opening	172.68	59.87
22 13 19 13-0121	EA	Rotary Twist Drain, 1-1/2"-2" Drain, 3-1/2" Sink Opening (Fisher 16100)	213.53	59.87

22 13 19 13-0122 Floor Receptor *(22 13 19 13)*

22 13 19 13-0123 9" Diameter Round Shallow Receptor *(22 13 19 13-0122)*

Note: With slotted medium duty grate, aluminum secondary strainer and white acid resisting coated interior and top.

22 13 19 13-0124	EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 2" Drain Connection	442.36	90.18
		For Flange With Seepage Holes, Add	*58.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*97.00*	
		For Trap Primer Connection, Add	*38.00*	
		For Full Grate With 2" (50 mm) Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*33.50*	
		For White Acid Resistant Bucket, Add	*47.00*	
		For Stainless Steel Liner For Bucket, Add	*62.50*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0125	EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 3" Drain Connection	461.88	99.90
		For Flange With Seepage Holes, Add	*58.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*97.00*	
		For Trap Primer Connection, Add	*38.00*	
		For Full Grate With 2" (50 mm) Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*33.50*	
		For White Acid Resistant Bucket, Add	*47.00*	
		For Stainless Steel Liner For Bucket, Add	*62.50*	
22 13 19 13-0126	EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 4" Drain Connection	482.11	110.08
		For Flange With Seepage Holes, Add	*58.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*97.00*	
		For Trap Primer Connection, Add	*38.00*	
		For Full Grate With 2" (50 mm) Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*33.50*	
		For White Acid Resistant Bucket, Add	*47.00*	
		For Stainless Steel Liner For Bucket, Add	*62.50*	
22 13 19 13-0127		Square Top Floor Receptors *(22 13 19 13-0122)*		
		Note: With acid resistant coating.		
22 13 19 13-0128	EA	8" x 8" Floor Drain With 1-1/2" Bottom Outlet, Acid Resistant Top	484.94	80.45
		For Flange With Seepage Holes, Add	*37.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
		For Trap Primer Connection, Add	*39.50*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Stainless Steel Liner For Bucket, Add	*97.00*	
22 13 19 13-0129	EA	8" x 8" Floor Drain With 2" Bottom Outlet, Acid Resistant Top	504.33	90.18
		For Flange With Seepage Holes, Add	*37.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
		For Trap Primer Connection, Add	*39.50*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Stainless Steel Liner For Bucket, Add	*97.00*	
22 13 19 13-0130	EA	8" x 8" Floor Drain With 3" Bottom Outlet, Acid Resistant Top	523.46	99.76
		For Flange With Seepage Holes, Add	*37.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
		For Trap Primer Connection, Add	*39.50*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Stainless Steel Liner For Bucket, Add	*97.00*	
22 13 19 13-0131	EA	8" x 8" Floor Drain With 4" Bottom Outlet, Acid Resistant Top	544.11	110.08
		For Flange With Seepage Holes, Add	*37.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
		For Trap Primer Connection, Add	*39.50*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Stainless Steel Liner For Bucket, Add	*97.00*	
22 13 19 13-0132		Floor Drain Accessories *(22 13 19 13)*		
22 13 19 13-0133	EA	3" Trap Guard Floor Drain Insert (ProVent TG3H) Note: Prevents emission of sewer gases.	60.78	9.36
22 13 19 13-0134	EA	2" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG22) Note: Prevents emission of sewer gases.	50.26	9.36
22 13 19 13-0135	EA	3" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG33) Note: Prevents emission of sewer gases.	54.47	9.36
22 13 19 13-0136	EA	3" Trap Guard Drain Insert For 4" Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG34IP) Note: Prevents emission of sewer gases.	64.98	9.36
22 13 19 13-0137	EA	3" Trap Guard Drain Insert For 4" Hub (ProVent TG34TP) Note: Prevents emission of sewer gases.	58.67	9.36
22 13 19 13-0138	EA	2" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-02) Note: Prevents emission of sewer gases.	81.97	9.36
22 13 19 13-0139	EA	3" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-03) Note: Prevents emission of sewer gases.	90.44	9.36
22 13 19 13-0140	EA	4" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-04) Note: Prevents emission of sewer gases.	111.46	9.36
22 13 19 26		**Grease Removal Devices** *(22 13 19)*		
22 13 19 26-0001		Manual Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26)* Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval and flow control fitting.		
22 13 19 26-0002		Standard Manual Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26-0001)* Note: Josam 60100H/60210A, Smith 8100/8400, Wade 5100, or Zurn Z1173/Z1170 series.		
22 13 19 26-0003	EA	7 GPM, 14 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60102H.	691.44	56.13
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,270.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0004	EA	10 GPM, 20 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60103H.	804.99	126.28
		For Flange And Clamp Device, Add	*344.35*	
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,339.73*	
22 13 19 26-0005	EA	15 GPM, 30 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60104H.	1,129.65	140.31
		For Flange And Clamp Device, Add	*353.71*	
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,462.24*	
22 13 19 26-0006	EA	20 GPM, 40 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60105H.	1,359.47	154.34
		For Flange And Clamp Device, Add	*363.06*	
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,579.31*	
22 13 19 26-0007	EA	25 GPM, 50 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60106H.	1,520.62	168.38
		For Flange And Clamp Device, Add	*402.82*	
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,641.66*	
22 13 19 26-0008	EA	35 GPM, 70 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60107H.	1,863.97	196.45
		For Flange And Clamp Device, Add	*432.72*	
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,802.20*	
22 13 19 26-0009	EA	50 GPM, 100 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60108H.	2,421.00	224.51
		For Flange And Clamp Device, Add	*492.39*	
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,915.71*	
22 13 19 26-0010	EA	75 GPM, 150 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60109H.	4,697.08	252.57
		For Flange And Clamp Device, Add	*712.38*	
22 13 19 26-0011	EA	100 GPM, 200 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60110H.	5,297.25	293.92
		For Flange And Clamp Device, Add	*803.95*	
22 13 19 26-0012	EA	150 GPM, 300 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60213A.	6,563.96	470.27
		For Flange And Clamp Device, Add	*1,081.51*	
22 13 19 26-0013	EA	200 GPM, 400 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60214A.	9,396.50	587.83
		For Flange And Clamp Device, Add	*1,289.17*	
22 13 19 26-0014	EA	250 GPM, 500 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60215A.	10,966.36	705.40
		For Flange And Clamp Device, Add	*1,680.51*	
22 13 19 26-0015	EA	350 GPM, 700 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60216A,.	14,224.76	822.96
		For Flange And Clamp Device, Add	*1,996.65*	
22 13 19 26-0016	EA	500 GPM, 1,000 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60217A.	18,370.84	940.53
		For Flange And Clamp Device, Add	*2,348.30*	
22 13 19 26-0017		Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26-0001)* Note: Josam 60110A, Smith 8100, Wade 5100LR, or Zurn Z1171 series.		
22 13 19 26-0018	EA	20 GPM, 40 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60115A.	1,935.03	154.34
22 13 19 26-0019	EA	35 GPM, 70 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60117A.	2,488.59	196.45
22 13 19 26-0020	EA	50 GPM, 100 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Smith 8150.	4,072.11	224.51
22 13 19 26-0021		Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26)* Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval, grease recovery cone, flexible hose, grease draw off valve and flow control fitting.		
22 13 19 26-0022		Standard Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26-0021)* Note: Josam 60100-SA, Smith 8300GTX, Wade 5100JCX, or Zurn Z1173-TD series.		
22 13 19 26-0023	EA	7 GPM, 14 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60102-SA.	1,692.86	56.13
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,270.65*	
22 13 19 26-0024	EA	10 GPM, 20 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60103-SA.	1,988.81	126.28
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,339.73*	
22 13 19 26-0025	EA	15 GPM, 30 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60104-SA.	2,126.71	140.31
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,462.24*	
22 13 19 26-0026	EA	20 GPM, 40 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60105-SA.	2,589.80	154.34
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,579.31*	
22 13 19 26-0027	EA	25 GPM, 50 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60106-SA.	3,116.13	168.38
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,641.66*	
22 13 19 26-0028	EA	35 GPM, 70 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60107-SA.	3,229.48	196.45
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,802.20*	
22 13 19 26-0029	EA	50 GPM, 100 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60108-SA.	3,686.58	224.51
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,915.71*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0030		Low Profile Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26-0021)*		
		Note: Josam 60115A-SA, Smith 8100GTX, or Zurn Z1171-TD series.		
22 13 19 26-0031	EA	35 GPM, 70 LB Capacity Low Profile Semi Automatic Epoxy Coated Steel Grease Interceptor	4,316.65	196.45
		Note: Josam 60115A-SA.		
22 13 19 26-0032		Automatic Cleaning Stainless Steel Grease Interceptor *(22 13 19 26)*		
		Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer.		
22 13 19 26-0033	EA	20 GPM, 69 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor	3,715.78	154.34
		Note: Lowe Engineering 20 Greasestopper.		
22 13 19 26-0034	EA	25 GPM, 91 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor	4,311.11	168.38
		Note: Lowe Engineering 25 Greasestopper.		
22 13 19 26-0035		Precast Concrete Grease Interceptor *(22 13 19 26)*		
		Note: Includes two access manholes, cast iron non-skid surface, lift hole, frame and cover for heavy-traffic.		
22 13 19 26-0036	EA	1,000 Gallon Pre-Cast Grease Interceptor	3,719.53	269.64
22 13 19 26-0037	EA	1,250 Gallon Pre-Cast Grease Interceptor	4,256.20	269.64
22 13 19 26-0038	EA	1,500 Gallon Pre-Cast Grease Interceptor	4,830.68	308.26
22 13 19 26-0039	EA	2,000 Gallon Pre-Cast Grease Interceptor	5,495.97	435.34
22 13 19 26-0040	EA	2,500 Gallon Pre-Cast Grease Interceptor	6,186.72	585.72
22 13 19 26-0041	EA	4,000 Gallon Pre-Cast Grease Interceptor	9,280.97	770.62
22 13 19 26-0042	EA	5,000 Gallon Pre-Cast Grease Interceptor	11,911.29	1,263.70
22 13 19 26-0043		Coated Steel Manual Oil Interceptor *(22 13 19 26)*		
		Note: Includes internal air relief, and flow control fitting.		
22 13 19 26-0044	EA	10 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	1,770.40	213.81
22 13 19 26-0045	EA	15 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	2,350.97	254.05
22 13 19 26-0046	EA	20 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	2,850.97	312.58
22 13 19 26-0047	EA	25 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	3,096.44	338.59
22 13 19 26-0048	EA	35 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	3,678.00	369.49
22 13 19 26-0049	EA	50 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	4,768.58	406.48
22 13 19 26-0050	EA	75 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	7,786.28	467.73
22 13 19 26-0051	EA	100 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	8,576.26	575.49
22 13 19 26-0052	EA	150 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	10,447.72	623.75
22 13 19 26-0053	EA	200 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	14,495.53	748.35
22 13 19 26-0054	EA	250 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	16,664.25	804.49
22 13 19 26-0055	EA	350 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	20,932.63	959.40
22 13 19 26-0056	EA	400 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	24,904.38	786.15
22 13 19 26-0057	EA	500 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	29,506.31	935.44
22 13 19 33		**Backwater Valves** *(22 13 19)*		
22 13 19 33-0001		Cast Iron Body Terminal Backwater Valves *(22 13 19 33)*		
22 13 19 33-0002	EA	2" Cast Iron Body Terminal Backwater Valve	220.86	21.48
22 13 19 33-0003	EA	3" Cast Iron Body Terminal Backwater Valve	229.09	27.02
22 13 19 33-0004	EA	4" Cast Iron Body Terminal Backwater Valve	328.88	35.92
22 13 19 33-0005	EA	6" Cast Iron Body Terminal Backwater Valve	862.65	51.08
22 13 19 33-0006	EA	8" Cast Iron Body Terminal Backwater Valve	1,057.42	67.24
22 13 19 33-0007	EA	10" Cast Iron Body Terminal Backwater Valve	2,999.63	82.94
22 13 19 33-0008	EA	12" Cast Iron Body Terminal Backwater Valve	3,405.34	107.57
22 13 19 33-0009		Cast Iron Backwater Sewer Line Valve *(22 13 19 33)*		
		Note: Offset type with bronze swing check assembly, threaded bronze cover, and bell and spigot connections.		
22 13 19 33-0010	EA	2" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	554.24	51.22
22 13 19 33-0011	EA	3" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	833.87	62.12
22 13 19 33-0012	EA	4" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	1,033.85	80.08
22 13 19 33-0013	EA	6" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	1,439.99	92.81
22 13 19 33-0014	EA	8" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	1,982.27	109.99
22 13 19 33-0015		Cast Iron, Straight Through Shear Gate, Swing Check Backwater Valve *(22 13 19 33)*		
		Note: Offset type with bronze, manually operated shear gate, non-rising stem, and bell and spigot connections.		
22 13 19 33-0016	EA	3" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	1,450.90	81.05
22 13 19 33-0017	EA	4" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	1,491.01	107.77
22 13 19 33-0018	EA	5" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	2,163.78	137.45
22 13 19 33-0019	EA	6" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	2,187.68	153.24
22 13 19 33-0020		Polyvinyl Chloride (PVC) Backwater Sewer Line Valve *(22 13 19 33)*		
		Note: Oatey.		
22 13 19 33-0021	EA	3" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43900)	81.59	27.02
22 13 19 33-0022	EA	4" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43904)	99.20	35.92
22 13 19 33-0023	EA	6" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43908)	269.93	51.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 33-0024		Polyvinyl Chloride (PVC) Extendable Backwater Valves *(22 13 19 33)*		
22 13 19 33-0025	EA	3" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check) Note: Includes valve body, flapper assembly and collar.	188.58	54.03
22 13 19 33-0026	EA	4" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check) Note: Includes valve body, flapper assembly and collar.	251.11	71.84
22 13 19 33-0027	EA	6" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check) Note: Includes valve body, flapper assembly and collar.	427.72	102.16
22 13 19 36		**Air-Admittance Valves** *(22 13 19)*		
22 13 19 36-0001		Acrylonitrile Butadiene Styrene (ABS) And Polyvinyl Chloride (PVC) Automatic Drain Vent *(22 13 19 36)*		
22 13 19 36-0002	EA	1-1/4", 1-1/2" And 2" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Mini Vent	90.19	10.48
22 13 19 36-0003	EA	2", 3" And 4" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Maxi Vent	106.48	10.48
22 13 23		**Sanitary Waste Interceptors** *(22 13)*		
22 13 23 00-0001		Sediment Bucket Solids Interceptors *(22 13 23)*		
22 13 23 00-0002	EA	1-1/2" Or 2" Top Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1180) Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	671.25	105.97
22 13 23 00-0003	EA	1-1/2" Or 2" Bottom Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1184) Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	672.05	105.97
22 13 23 00-0004	EA	1-1/2" Or 2" Top Access, Acid Resistant Coated Steel (Inside And Outside), Aluminum Cover, Removable Stainless Steel Sediment Bucket Solids Interceptor (Jay R. Smith 8714 ARIO) Note: On floor mount. Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	932.69	105.97
22 13 23 00-0005	EA	1-1/2" Or 2" Bottom Access, 15 GPM, Acid Resistant Coated Cast Iron, Aluminum Strainer, Removable Stainless Steel Screens, Sediment Bucket Solids Interceptor (Jay R. Smith 8730-ARIO) Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	932.69	105.97
22 13 23 00-0006	EA	1-1/2" Or 2" Top Access, Acid Resistant Coated Cast Aluminum (Inside And Outside) Removable Stainless Steel Screen, Sediment Bucket Solids Interceptor (Josam 61030) Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	991.70	105.97
22 13 23 00-0007		Solid Interceptors, Cast Iron With Internal Deep Seal Trap *(22 13 23)*		
22 13 23 00-0008	EA	1-1/2" Inlet Cast Iron Solid Interceptor, Painted Enamel	284.92	36.25
		For Stainless Steel Bucket, Add	*175.00*	
22 13 23 00-0009	EA	2" Inlet Cast Iron Solid Interceptor, Painted Enamel	289.55	38.61
		For Stainless Steel Bucket, Add	*175.00*	
22 13 23 00-0010		Sediment Strainers *(22 13 23)*		
22 13 23 00-0011	EA	2" Strainer, Pump Suction Side	111.69	49.51
22 13 29		**Sanitary Sewerage Pumps** *(22 13)* Note: Includes extra set of gaskets, bearings and seals.		
22 13 29 13		**Wet-Pit-Mounted, Vertical Sewerage Pumps** *(22 13 29)*		
22 13 29 13-0001		Vertical Non-Clog Sewage Pumps *(22 13 29 13)*		
22 13 29 13-0002		1-1/2" Solids 1750 RPM Vertical Sewage Pumps *(22 13 29 13-0001)*		
22 13 29 13-0003	EA	1/2 HP, Up To 75 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM	8,408.45	897.73
22 13 29 13-0004	EA	3/4 HP, Up To 125 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM	8,814.92	897.73
22 13 29 13-0005	EA	1 HP, Up To 150 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM	9,221.39	897.73
22 13 29 13-0006	EA	1-1/2 HP, Up To 150 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM	9,609.10	897.73
22 13 29 13-0007		2" Solids 1750 RPM Vertical Sewage Pumps *(22 13 29 13-0001)*		
22 13 29 13-0008	EA	3/4 HP, Up To 75 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM	9,534.06	897.73
22 13 29 13-0009	EA	1 HP, Up To 100 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM	9,690.40	897.73
22 13 29 13-0010	EA	2 HP, Up To 200 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM	9,799.83	897.73
22 13 29 13-0011	EA	3 HP, Up To 300 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM	10,550.24	897.73
22 13 29 13-0012	EA	5 HP, Up To 400 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM	11,285.01	897.73
22 13 29 13-0013	EA	7-1/2 HP, Up To 500 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM	12,410.63	897.73
22 13 29 13-0014	EA	10 HP, Up To 600 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM	13,536.24	897.73
22 13 29 13-0015	EA	15 HP, Up To 600 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM	15,255.76	1,194.68
22 13 29 13-0016		3" Solids 1750 RPM Vertical Sewage Pumps *(22 13 29 13-0001)*		
22 13 29 13-0017	EA	2 HP, Up To 300 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM	10,317.40	897.73

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 13-0018	EA	3 HP, Up To 400 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM	10,317.40	897.73
22 13 29 13-0019	EA	5 HP, Up To 500 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM	10,588.26	897.73
22 13 29 13-0020	EA	7-1/2 HP, Up To 700 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM	12,689.90	897.73
22 13 29 13-0021	EA	10 HP, Up To 800 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM	13,058.56	897.73
22 13 29 13-0022	EA	15 HP, Up To 900 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM	15,385.45	1,194.68
22 13 29 13-0023	EA	20 HP, Up To 900 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM	16,323.46	1,194.68
22 13 29 13-0024		Extra Column Assemblies Addition, 5' Or Less *(22 13 29 13-0001)*		
22 13 29 13-0025	EA	2-1/2" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	519.49	
22 13 29 13-0026	EA	3" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	623.75	
22 13 29 13-0027	EA	4" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	697.18	
22 13 29 13-0028	EA	5" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	709.88	
22 13 29 13-0029	EA	6" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	796.91	
22 13 29 13-0030		Float Switches *(22 13 29 13-0001)*		
		Note: Copper coated floats, brass rods and stops and switch brackets.		
22 13 29 13-0031	EA	Float Switch Copper Coated Float, Add, General Purpose For vertical sewage pumps	466.91	
22 13 29 13-0032	EA	Float Switch Copper Coated Float, Add, Weather Proof For vertical sewage pumps	490.48	
22 13 29 13-0033	EA	Float Switch Copper Coated Float, Add, Explosion Proof For vertical sewage pumps	501.36	
22 13 29 13-0034		Square Or Round Steel Sump Covers *(22 13 29 13-0001)*		
22 13 29 13-0035	EA	24" Steel Sump Covers, Square Or Round	445.59	29.94
22 13 29 13-0036	EA	30" Steel Sump Covers, Square Or Round	493.42	33.67
22 13 29 13-0037	EA	36" Steel Sump Covers, Square Or Round	683.93	44.90
22 13 29 13-0038	EA	40" Steel Sump Covers, Square Or Round	987.40	52.39
22 13 29 13-0039	EA	42" Steel Sump Covers, Square Or Round	1,057.74	54.25
22 13 29 13-0040	EA	48" Steel Sump Covers, Square Or Round	1,130.36	56.13
22 13 29 13-0041	EA	54" Steel Sump Covers, Square Or Round	1,438.26	67.36
22 13 29 13-0042	EA	60" Steel Sump Covers, Square Or Round	1,941.59	74.84
22 13 29 13-0043	EA	72" Steel Sump Covers, Square Or Round	2,462.06	93.55
22 13 29 13-0044	EA	84" Steel Sump Covers, Square Or Round	3,123.32	102.90
22 13 29 16		**Submersible Sewerage Pumps** *(22 13 29)*		
		Note: Includes 25' of cord with pumps unless otherwise noted.		
22 13 29 16-0001		Submersible Sewage Pumps With Vortex Impeller *(22 13 29 16)*		
22 13 29 16-0002		Submersible Sewage Pumps With Cast Iron Vortex Impeller *(22 13 29 16-0001)*		
22 13 29 16-0003	EA	1/2 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	486.61	54.47
22 13 29 16-0004	EA	1/2 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	637.04	54.47
22 13 29 16-0005	EA	1 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	767.21	68.09
22 13 29 16-0006		Submersible Sewage Pumps With Bronze Vortex Impeller *(22 13 29 16-0001)*		
22 13 29 16-0007	EA	1/2 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	727.38	54.47
22 13 29 16-0008	EA	1 HP Submersible Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	890.10	68.09
22 13 29 16-0009	EA	1-1/2 HP Submersible Sewage Pump, 230 Volt, 1 Or 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,075.93	109.75
22 13 29 16-0010	EA	2 HP Submersible Sewage Pump, 230 Volt, 1 Or 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,181.23	134.13
22 13 29 16-0011		Submersible Sewage Pumps With Semi-Open Impeller *(22 13 29 16)*		
22 13 29 16-0012	EA	1 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,576.55	68.09
22 13 29 16-0013	EA	1.5 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,749.14	113.49
22 13 29 16-0014	EA	2 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	2,257.07	138.71
22 13 29 16-0015	EA	3 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	2,624.27	168.13
22 13 29 16-0016	EA	5 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	3,058.17	197.56
22 13 29 16-0017	EA	7.5 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	3,193.09	226.98
22 13 29 16-0018		Submersible Sewage Pumps Accessories *(22 13 29 16)*		
22 13 29 16-0019	EA	Simplex Single Phase Plug In Controller With NEMA 4X Enclosure For Non-Automatic Submersible Sewage Pump	287.83	61.72
		Note: Includes alarm horn, warning light, and single control float switches.		
22 13 29 16-0020	EA	Simplex Single Phase Controller With NEMA 4X Enclosure For Non Automatic Submersible Sewage Pump	677.28	82.30
		Note: Includes alarm horn, warning light, HOA switch, and three control float switches.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 16-0021	EA	Simplex Three Phase Controller With NEMA 4X Enclosure For Non Automatic Submersible Sewage Pump Note: Includes alarm horn, warning light, HOA switch, and three control float switches.	880.40	82.30
22 13 29 16-0022	EA	Duplex Alarm System And Controller With NEMA 4X Enclosure For Non Automatic Submersible Sewage Pump Note: Includes alarm horn, warning light, HOA switch, and three control float switches.	982.42	102.86
22 13 29 16-0023	EA	High-water Alarm For Submersible Sewage Pump	221.93	41.14
22 13 29 16-0024	EA	Float Switch For Submersible Sewage Pump	83.21	20.58
22 13 29 16-0025	EA	Rail System With 2" Discharge For Submersible Sewage Pump	417.32	61.72

22 13 29 33 Sewerage Pump Basins And Pits *(22 13 29)*

22 13 29 33-0001 Sewage Sump Pump Basin *(22 13 29 33)*

22 13 29 33-0002 High Density Polyethylene (HDPE) Basin *(22 13 29 33-0001)*

22 13 29 33-0003	EA	18" Diameter x 24" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	98.08	
22 13 29 33-0004	EA	18" Diameter x 30" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	126.57	
22 13 29 33-0005	EA	24" Diameter x 30" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	286.24	
22 13 29 33-0006	EA	24" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	401.36	
22 13 29 33-0007	EA	30" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	516.48	
22 13 29 33-0008	EA	36" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	600.66	

22 13 29 33-0009 Fiberglass Basin *(22 13 29 33-0001)*

22 13 29 33-0010	EA	18" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub	173.78	
22 13 29 33-0011	EA	24" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub	338.95	
22 13 29 33-0012	EA	30" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub	598.18	
22 13 29 33-0013	EA	36" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub	799.85	
22 13 29 33-0014	EA	36" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub	919.85	
22 13 29 33-0015	EA	36" Diameter x 60" High Fiberglass Basin And Lid With Inlet And Hub	971.63	
22 13 29 33-0016	EA	36" Diameter x 72" High Fiberglass Basin And Lid With Inlet And Hub	1,138.73	
22 13 29 33-0017	EA	48" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub	1,321.09	

22 13 53 Facility Septic Tanks *(22 13)*

See CSI section 33 36 13 00-0000 for septic tanks.

22 14 Facility Storm Drainage *(22 10)*

22 14 13 Facility Storm Drainage Piping *(22 14)*

See CSI section 22 13 16 00-0000 for storm drainage piping.

22 14 26 Facility Storm Drains *(22 14)*

22 14 26 13 Roof Drains *(22 14 26)*

22 14 26 13-0001 Cast Iron Roof Drains *(22 14 26 13)*

22 14 26 13-0002 Cast Iron Roof Drains With Large Polypropylene Dome *(22 14 26 13-0001)*

Note: Dome free area is 124 square inches.

22 14 26 13-0003	EA	15" Diameter Cast Iron Roof Drain With 2" Outlet, 124 Square Inch Free Area Polypropylene Dome	394.95	124.75
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Bronze Dome, Add	*170.50*	
		For Drain Receiver, Add	*75.50*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	
22 14 26 13-0004	EA	15" Diameter Cast Iron Roof Drain With 3" Outlet, 124 Square Inch Free Area Polypropylene Dome	457.31	149.67
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Bronze Dome, Add	*170.50*	
		For Drain Receiver, Add	*75.50*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	
22 14 26 13-0005	EA	15" Diameter Cast Iron Roof Drain With 4" Outlet, 124 Square Inch Free Area Polypropylene Dome	519.68	187.09
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Bronze Dome, Add	*170.50*	
		For Drain Receiver, Add	*75.50*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	
22 14 26 13-0006	EA	15" Diameter Cast Iron Roof Drain With 5" Outlet, 124 Square Inch Free Area Polypropylene Dome	675.73	224.51
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Bronze Dome, Add	*170.50*	
		For Drain Receiver, Add	*75.50*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	
22 14 26 13-0007	EA	15" Diameter Cast Iron Roof Drain With 6" Outlet, 124 Square Inch Free Area Polypropylene Dome	706.90	249.43
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Bronze Dome, Add	*170.50*	
		For Drain Receiver, Add	*75.50*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	
22 14 26 13-0008	EA	15" Diameter Cast Iron Roof Drain With 8" Outlet, 124 Square Inch Free Area Polypropylene Dome	793.91	261.92
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Bronze Dome, Add	*170.50*	
		For Drain Receiver, Add	*75.50*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0009	EA	15" Diameter Cast Iron Roof Drain With 10" Outlet, 124 Square Inch Free Area Polypropylene Dome	968.60	271.28
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Bronze Dome, Add	*170.50*	
		For Drain Receiver, Add	*75.50*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	

22 14 26 13-0010 Cast Iron Roof Drains With Expansion Joint *(22 14 26 13-0001)*

Note: With polypropylene dome. Dome free area is 124 square inches.

22 14 26 13-0011	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 2" Outlet, Polypropylene Dome	530.95	124.75
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Drain Receiver, Add	*56.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	
22 14 26 13-0012	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 3" Outlet, Polypropylene Dome	602.81	149.67
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Drain Receiver, Add	*56.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	
22 14 26 13-0013	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 4" Outlet, Polypropylene Dome	683.68	187.09
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Drain Receiver, Add	*56.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	
22 14 26 13-0014	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 5" Outlet, Polypropylene Dome	914.23	224.51
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Drain Receiver, Add	*56.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	
22 14 26 13-0015	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 6" Outlet, Polypropylene Dome	979.90	249.43
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Drain Receiver, Add	*56.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	

22 14 26 13-0016 Cast Iron Roof Drains With Flat Bronze Promenade Top *(22 14 26 13-0001)*

22 14 26 13-0017	EA	14" x 14" Cast Iron Roof Drain With 2" Outlet, Bronze Promenade Top	664.95	124.75
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Drain Receiver, Add	*75.50*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	
22 14 26 13-0018	EA	14" x 14" Cast Iron Roof Drain With 3" Outlet, Bronze Promenade Top	727.31	149.67
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Drain Receiver, Add	*75.50*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	
22 14 26 13-0019	EA	14" x 14" Cast Iron Roof Drain With 4" Outlet, Bronze Promenade Top	789.68	187.09
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Drain Receiver, Add	*75.50*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	
22 14 26 13-0020	EA	14" x 14" Cast Iron Roof Drain With 5" Outlet, Bronze Promenade Top	941.73	224.51
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Drain Receiver, Add	*75.50*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	
22 14 26 13-0021	EA	14" x 14" Cast Iron Roof Drain With 6" Outlet, Bronze Promenade Top	972.90	249.43
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Drain Receiver, Add	*75.50*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	

22 14 26 13-0022 Cast Iron Scupper Drain With L-Shaped Bronze Grate *(22 14 26 13-0001)*

22 14 26 13-0023	EA	Cast Iron Scupper Drain With 2" Outlet, L-Shaped Bronze Grate	390.78	49.92
		For Vandal Proof Grate, Add	*11.00*	
		For Galvanized Iron Parts, Add	*49.00*	
22 14 26 13-0024	EA	Cast Iron Scupper Drain With 3" Outlet, L-Shaped Bronze Grate	415.73	62.34
		For Vandal Proof Grate, Add	*11.00*	
		For Galvanized Iron Parts, Add	*49.00*	
22 14 26 13-0025	EA	Cast Iron Scupper Drain With 4" Outlet, L-Shaped Bronze Grate	427.06	68.02
		For Vandal Proof Grate, Add	*11.00*	
		For Galvanized Iron Parts, Add	*98.00*	
22 14 26 13-0026	EA	Cast Iron Scupper Drain With 5" Outlet, L-Shaped Bronze Grate	593.83	90.18
		For Vandal Proof Grate, Add	*11.00*	
		For Galvanized Iron Parts, Add	*98.00*	
22 14 26 13-0027	EA	Cast Iron Scupper Drain With 6" Outlet, L-Shaped Bronze Grate	633.61	110.08
		For Vandal Proof Grate, Add	*11.00*	
		For Galvanized Iron Parts, Add	*98.00*	

22 14 26 13-0028 Cast Iron Roof Drain With Flat Cast Iron Grate *(22 14 26 13-0001)*

Note: Grate free area is 27 square inches.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0029	EA	9" x 9" Cast Iron Roof Drain With 2" Outlet, Cast Iron Promenade Top	417.95	124.75
		For Galvanized Iron Parts, Add	*55.00*	
		For Bronze Grate, Add	*78.50*	
		For Deck Clamp, Add	*31.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*72.00*	
22 14 26 13-0030	EA	9" x 9" Cast Iron Roof Drain With 3" Outlet, Cast Iron Promenade Top	480.31	149.67
		For Galvanized Iron Parts, Add	*55.00*	
		For Bronze Grate, Add	*78.50*	
		For Deck Clamp, Add	*31.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*72.00*	
22 14 26 13-0031	EA	9" x 9" Cast Iron Roof Drain With 4" Outlet, Cast Iron Promenade Top	542.68	187.09
		For Galvanized Iron Parts, Add	*55.00*	
		For Bronze Grate, Add	*78.50*	
		For Deck Clamp, Add	*31.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*72.00*	

22 14 26 13-0032 Cast Iron Roof Drains With Large Cast Iron Dome *(22 14 26 13-0001)*

22 14 26 13-0033	EA	15" Diameter Cast Iron Roof Drain With 2" Outlet, Cast Iron Dome	437.95	124.75
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Drain Receiver, Add	*56.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	
22 14 26 13-0034	EA	15" Diameter Cast Iron Roof Drain With 3" Outlet, Cast Iron Dome	500.31	149.67
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Drain Receiver, Add	*56.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	
22 14 26 13-0035	EA	15" Diameter Cast Iron Roof Drain With 4" Outlet, Cast Iron Dome	562.68	187.09
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Drain Receiver, Add	*56.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	
22 14 26 13-0036	EA	15" Diameter Cast Iron Roof Drain With 5" Outlet, Cast Iron Dome	718.73	224.51
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Drain Receiver, Add	*56.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	
22 14 26 13-0037	EA	15" Diameter Cast Iron Roof Drain With 6" Outlet, Cast Iron Dome	749.90	249.43
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Drain Receiver, Add	*56.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	
22 14 26 13-0038	EA	15" Diameter Cast Iron Roof Drain With 8" Outlet, Cast Iron Dome	836.91	261.92
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Drain Receiver, Add	*56.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	
22 14 26 13-0039	EA	15" Diameter Cast Iron Roof Drain With 10" Outlet, Cast Iron Dome	1,011.60	271.28
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Drain Receiver, Add	*56.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	

22 14 26 13-0040 Aluminum Roof Drains *(22 14 26 13)*

22 14 26 13-0041 Aluminum Dome Roof Drains *(22 14 26 13-0040)*

22 14 26 13-0042	EA	15" Diameter Roof Drain With 2" Outlet, Aluminum Dome	445.45	124.75
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Drain Receiver, Add	*56.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	
22 14 26 13-0043	EA	15" Diameter Roof Drain With 3" Outlet, Aluminum Dome	507.81	149.67
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Drain Receiver, Add	*56.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	
22 14 26 13-0044	EA	15" Diameter Roof Drain With 4" Outlet, Aluminum Dome	570.18	187.09
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Drain Receiver, Add	*56.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	
22 14 26 13-0045	EA	15" Diameter Roof Drain With 6" Outlet, Aluminum Dome	757.40	249.20
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Drain Receiver, Add	*56.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	
22 14 26 13-0046	EA	15" Diameter Roof Drain With 8" Outlet, Aluminum Dome	844.56	261.92
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Drain Receiver, Add	*56.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0047	EA	15" Diameter Roof Drain With 10" Outlet, Aluminum Dome	1,019.10	271.28
		For Galvanized Iron Parts, Add	*197.00*	
		For Deck Clamp, Add	*50.00*	
		For Drain Receiver, Add	*56.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*136.00*	
22 14 26 13-0048		Retrofit Roof Drains *(22 14 26 13)*		
22 14 26 13-0049		Copolymer Retrofit Roof Drains With Copolymer Strainer Dome *(22 14 26 13-0048)*		
22 14 26 13-0050	EA	Copolymer Retrofit 3" Roof Drains, With Copolymer Dome	506.71	149.67
22 14 26 13-0051	EA	Copolymer Retrofit 4" Roof Drains, With Copolymer Dome	576.57	187.09
22 14 26 13-0052	EA	Copolymer Retrofit 5" Roof Drains, With Copolymer Dome	700.11	224.51
22 14 26 13-0053	EA	Copolymer Retrofit 6" Roof Drains, With Copolymer Dome	761.26	249.20
22 14 26 13-0054		Copolymer Retrofit Roof Drains With Cast Aluminum Strainer Dome *(22 14 26 13-0048)*		
22 14 26 13-0055	EA	Copolymer Retrofit Drain, 3", With Cast Aluminum Dome	574.17	149.67
22 14 26 13-0056	EA	Copolymer Retrofit Drain, 4", With Cast Aluminum Dome	641.04	187.09
22 14 26 13-0057	EA	Copolymer Retrofit Drain, 5", With Cast Aluminum Dome	769.07	224.51
22 14 26 13-0058	EA	Copolymer Retrofit Drain, 6", With Cast Aluminum Dome	809.23	249.20
22 14 26 13-0059		Aluminum Retrofit Roof Drains With Cast Aluminum Strainer Dome *(22 14 26 13-0048)*		
22 14 26 13-0060	EA	Aluminum Retrofit 3" Roof Drains, With Cast Aluminum Dome	509.70	149.67
		For Copolymer Strainer Dome, Deduct	*-24.00*	
22 14 26 13-0061	EA	Aluminum Retrofit 4" Roof Drains, With Cast Aluminum Dome	579.57	187.09
		For Copolymer Strainer Dome, Deduct	*-24.00*	
22 14 26 13-0062	EA	Aluminum Retrofit 5" Roof Drains, With Cast Aluminum Dome	703.10	224.51
		For Copolymer Strainer Dome, Deduct	*-24.00*	
22 14 26 13-0063	EA	Aluminum Retrofit 6" Roof Drains, With Cast Aluminum Dome	740.27	249.20
		For Copolymer Strainer Dome, Deduct	*-24.00*	
22 14 26 13-0064		Bronze Downspout Nozzles *(22 14 26 13)*		
22 14 26 13-0065	EA	2" Outlet, Bronze Roof Drain Downspout Nozzle	296.32	74.84
22 14 26 13-0066	EA	3" Outlet, Bronze Roof Drain Downspout Nozzle	296.32	74.84
22 14 26 13-0067	EA	4" Outlet, Bronze Roof Drain Downspout Nozzle	296.32	74.84
22 14 26 13-0068	EA	5" Outlet, Bronze Roof Drain Downspout Nozzle	451.13	93.55
22 14 26 13-0069	EA	6" Outlet, Bronze Roof Drain Downspout Nozzle	451.13	93.55
22 14 26 13-0070	EA	8" Outlet, Bronze Roof Drain Downspout Nozzle	574.05	93.55
22 14 26 16		**Facility Area Drains** *(22 14 26)*		
22 14 26 16-0001		Area Drain *(22 14 26 16)*		
22 14 26 16-0002	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	711.74	90.10
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*101.50*	
22 14 26 16-0003	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	731.17	99.83
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*101.50*	
22 14 26 16-0004	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	751.61	110.08
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*101.50*	
22 14 26 16-0005	EA	12" x 12" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	772.90	120.71
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*101.50*	
22 14 26 16-0006	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	486.24	90.10
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*101.50*	
22 14 26 16-0007	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	505.67	99.83
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*101.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0008	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	526.11	110.08
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*101.50*	
22 14 26 16-0009	EA	12" x 12" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	547.40	120.71
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*101.50*	
22 14 26 16-0010	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	672.74	90.10
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*101.50*	
22 14 26 16-0011	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	692.17	99.83
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*101.50*	
22 14 26 16-0012	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	712.61	110.08
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*101.50*	
22 14 26 16-0013	EA	12" x 12" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	733.90	120.71
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*101.50*	
22 14 26 16-0014	EA	16" x 16" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	1,307.74	90.10
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0015	EA	16" x 16" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	1,327.17	99.83
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0016	EA	16" x 16" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	1,347.61	110.08
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0017	EA	16" x 16" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	1,368.90	120.71
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0018	EA	16" x 16" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	702.74	90.10
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0019	EA	16" x 16" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	722.17	99.83
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0020	EA	16" x 16" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	742.61	110.08
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0021	EA	16" x 16" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	763.90	120.71
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0022	EA	16" x 16" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	1,246.24	90.10
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0023	EA	16" x 16" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	1,265.67	99.83
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0024	EA	16" x 16" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	1,286.11	110.08
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0025	EA	16" x 16" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	1,307.40	120.71
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0026	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	386.74	90.10
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0027	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	406.17	99.83
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0028	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	426.61	110.08
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0029	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	283.74	90.10
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0030	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	303.17	99.83
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0031	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	323.61	110.08
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0032	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	371.74	90.10
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0033	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	391.17	99.83
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0034	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	411.61	110.08
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0035	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	913.24	90.10
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*205.00*	
22 14 26 16-0036	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	932.67	99.83
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*205.00*	
22 14 26 16-0037	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	953.11	110.08
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*205.00*	
22 14 26 16-0038	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Cast Iron Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	637.74	90.10
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*205.00*	
22 14 26 16-0039	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Cast Iron Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	657.17	99.83
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*205.00*	
22 14 26 16-0040	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Cast Iron Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	677.61	110.08
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*205.00*	
22 14 26 16-0041	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Bronze Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	865.24	90.10
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*205.00*	
22 14 26 16-0042	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Bronze Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	884.67	99.83
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*205.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0043	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Bronze Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	905.11	110.08
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*205.00*	

22 14 26 19 Facility Trench Drains *(22 14 26)*

22 14 26 19-0001 Trench Drain *(22 14 26 19)*

Note: Each section is 39.4" in length.

22 14 26 19-0002	EA	6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	598.58	90.10
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*65.50*	
22 14 26 19-0003	EA	6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	618.01	99.83
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*65.50*	
22 14 26 19-0004	EA	6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	638.45	110.08
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*65.50*	
22 14 26 19-0005	EA	6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	382.53	90.10
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*65.50*	
22 14 26 19-0006	EA	6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	401.96	99.83
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*65.50*	
22 14 26 19-0007	EA	6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	422.40	110.08
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*65.50*	
22 14 26 19-0008	EA	6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	569.14	90.10
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*65.50*	
22 14 26 19-0009	EA	6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	588.57	99.83
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*65.50*	
22 14 26 19-0010	EA	6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	609.01	110.08
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*65.50*	
22 14 26 19-0011	EA	6" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	508.09	44.90
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*65.50*	
22 14 26 19-0012	EA	6" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	292.04	44.90
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*65.50*	
22 14 26 19-0013	EA	6" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	478.65	44.90
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*65.50*	
22 14 26 19-0014	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	921.96	90.10
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0015	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	941.39	99.83
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0016	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	961.83	110.08
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0017	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	654.62	90.10
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0018	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	674.05	99.83
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0019	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	694.49	110.08
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0020	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	885.39	90.10
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0021	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	904.82	99.83
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0022	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	925.26	110.08
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0023	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	779.50	90.10
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0024	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	798.93	99.83
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0025	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	819.37	110.08
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0026	EA	12" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	831.45	44.90
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0027	EA	12" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	564.11	44.90
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
22 14 26 19-0028	EA	12" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	794.88	44.90
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
22 14 26 19-0029	EA	12" Wide Trench Drain x 15" Extension Section, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	688.99	44.90
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	

22 14 29 Sump Pumps *(22 14)*

See CSI section 22 11 16 00-0000 for pipe extensions into well.

22 14 29 13 Wet-Pit-Mounted, Vertical Sump Pumps *(22 14 29)*

22 14 29 13-0001 Vertical Mounted Sump Pumps *(22 14 29 13)*

Note: Mounted on steel support plate and supplied with cast iron strainer, 1750 RPM drip-proof motor, 5' column sections.

22 14 29 13-0002	EA	1 HP Vertical Mounted Cast Iron Sump Pump, 1-1/2" Discharge, Single Stage, 25 GPM 40' Head	2,979.52	217.14
22 14 29 13-0003	EA	1-1/2 HP Vertical Mounted Cast Iron Sump Pump, 2" Discharge, Single Stage, 75 GPM 40' Head	3,182.94	262.82
22 14 29 13-0004	EA	2 HP Vertical Mounted Cast Iron Sump Pump, 2-1/2" Discharge, Single Stage, 100 GPM 40' Head	3,648.75	312.23
22 14 29 13-0005	EA	3 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 150 GPM 40' Head	3,942.51	384.12
22 14 29 13-0006	EA	5 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 200 GPM 40' Head	4,175.10	416.31
22 14 29 13-0007	EA	10 HP Vertical Mounted Cast Iron Sump Pump, 4" Discharge, Single Stage, 300 GPM 70' Head	4,956.89	499.42
22 14 29 13-0008	EA	15 HP Vertical Mounted Cast Iron Sump Pump, 5" Discharge, Single Stage, 500 GPM 70' Head	5,753.53	524.90
22 14 29 13-0009	EA	20 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 800 GPM 70' Head	7,007.95	640.39
22 14 29 13-0010	EA	30 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 1,000 GPM 70' Head	7,627.47	746.85
22 14 29 13-0011	EA	50 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 1,600 GPM 70' Head	10,125.18	896.54
22 14 29 13-0012	EA	60 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 2,000 GPM 70' Head	13,758.06	995.80

22 14 29 13-0013 Extra Column Assemblies *(22 14 29 13)*

22 14 29 13-0014	EA	1-1/2" Diameter x 5' Long Extra Column Assembly	1,200.19	
22 14 29 13-0015	EA	2" Diameter x 5' Long Extra Column Assembly	1,313.28	
22 14 29 13-0016	EA	2-1/2" Diameter x 5' Long Extra Column Assembly	519.49	
22 14 29 13-0017	EA	3" Diameter x 5' Long Extra Column Assembly	1,725.45	
22 14 29 13-0018	EA	4" Diameter x 5' Long Extra Column Assembly	1,928.59	
22 14 29 13-0019	EA	5" Diameter x 5' Long Extra Column Assembly	709.88	
22 14 29 13-0020	EA	6" Diameter x 5' Long Extra Column Assembly	2,204.46	
22 14 29 13-0021	EA	8" Diameter x 5' Long Extra Column Assembly	2,412.20	

22 14 29 13-0022 Float Switch *(22 14 29 13)*

22 14 29 13-0023	EA	For Float Switch Copper Coated Float, General Purpose	1,338.35	23.57
22 14 29 13-0024	EA	For Float Switch Copper Coated Float, Weathertight	1,403.56	23.57
22 14 29 13-0025	EA	For Float Switch Copper Coated Float, Explosion Proof	1,433.65	23.57

22 14 29 13-0026 Support Plate *(22 14 29 13)*

22 14 29 13-0027	EA	24" Steel Support Plate, Round Or Square	445.59	29.94
22 14 29 13-0028	EA	30" Steel Support Plate, Round Or Square	493.42	33.67
22 14 29 13-0029	EA	36" Steel Support Plate, Round Or Square	683.93	44.90
22 14 29 13-0030	EA	40" Steel Support Plate, Round Or Square	987.40	52.39
22 14 29 13-0031	EA	42" Steel Support Plate, Round Or Square	1,057.74	54.25
22 14 29 13-0032	EA	48" Steel Support Plate, Round Or Square	1,130.29	56.13
22 14 29 13-0033	EA	54" Steel Support Plate, Round Or Square	1,438.26	67.36
22 14 29 13-0034	EA	60" Steel Support Plate, Round Or Square	1,941.59	74.84
22 14 29 13-0035	EA	72" Steel Support Plate, Round Or Square	2,590.22	93.55
22 14 29 13-0036	EA	84" Steel Support Plate, Round Or Square	3,123.32	102.90

22 14 29 16 Submersible Sump Pumps *(22 14 29)*

Note: Includes 25' of cord with pumps unless otherwise noted.

22 14 29 16-0001 Submersible Sump Pump With Vortex Impeller *(22 14 29 16)*

22 14 29 16-0002 Submersible Sump Pump With Cast Iron Vortex Impeller *(22 14 29 16-0001)*

22 14 29 16-0003	EA	1/3 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	275.82	48.78
22 14 29 16-0004	EA	1/3 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	304.71	48.78
22 14 29 16-0005	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	439.74	51.62
22 14 29 16-0006	EA	1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	473.48	51.62

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 29 16-0007		Submersible Sump Pump With Bronze Vortex Impeller *(22 14 29 16-0001)*		
22 14 29 16-0008	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	693.61	51.62
22 14 29 16-0009	EA	1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	751.80	51.62
22 14 29 16-0010	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	790.85	56.90
22 14 29 16-0011	EA	1 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	851.07	56.90
22 14 29 16-0012	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	890.92	65.04
22 14 29 16-0013	EA	1-1/2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	951.15	65.04
22 14 29 16-0014	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	963.32	77.23
22 14 29 16-0015	EA	2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,012.96	77.23
22 14 29 16-0016		Submersible Sump Pump With Semi-Open Impeller *(22 14 29 16)*		
22 14 29 16-0017	EA	1/3 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller	678.71	48.78
22 14 29 16-0018	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller	774.99	51.62
22 14 29 16-0019	EA	3/4 HP Manual Submersible Sump Pump, 230 Volt, 1 Or 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller	922.15	54.47
22 14 29 16-0020	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 1 Or 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller	974.36	56.90
22 14 29 16-0021	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Or 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller	1,111.50	65.04
22 14 29 16-0022	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 1 Or 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller	1,294.92	77.23

22 14 29 19 Sump-Pump Basins and Pits *(22 14 29)*

See CSI section 22 13 29 33-0000 for basins and pits.

22 15 General Service Compressed-Air Systems *(22 10)*

22 15 13 General Service Compressed-Air Piping *(22 15)*

22 15 13 00-0001		Quick Disconnect, Air-Service *(22 15 13)*		
22 15 13 00-0002		Combination Steel And Brass *(22 15 13 00-0001)*		
22 15 13 00-0003	EA	1/2" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket	35.47	11.38
22 15 13 00-0004	EA	3/4" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket	39.09	13.82
22 15 13 00-0005		Refrigerated Air Dryers With Ambient Air Filters *(22 15 13)*		
22 15 13 00-0006	EA	3 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	550.18	65.80
22 15 13 00-0007	EA	5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	625.56	67.62
22 15 13 00-0008	EA	7.5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	796.57	69.45
22 15 13 00-0009	EA	10 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	927.13	73.11
22 15 13 00-0010	EA	15 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,031.47	82.25
22 15 13 00-0011	EA	20 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,145.19	93.57
22 15 13 00-0012	EA	30 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,622.42	118.80
22 15 13 00-0013	EA	40 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,824.99	138.90
22 15 13 00-0014	EA	50 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,983.93	148.41
22 15 13 00-0015	EA	60 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,156.32	164.49
22 15 13 00-0016	EA	75 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,428.46	182.77
22 15 13 00-0017	EA	85 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,703.00	201.04
22 15 13 00-0018	EA	100 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,845.41	222.97
22 15 13 00-0019	EA	125 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	3,317.84	237.59
22 15 13 00-0020	EA	175 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	3,996.25	246.73
22 15 13 00-0021	EA	200 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	4,718.92	255.87
22 15 13 00-0022	EA	250 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	5,243.78	265.01
22 15 13 00-0023	EA	300 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	5,709.80	274.15
22 15 13 00-0024	EA	400 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	6,381.38	292.42
22 15 13 00-0025	EA	500 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	7,458.01	365.53
22 15 13 00-0026	EA	600 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	9,431.55	438.63
22 15 13 00-0027	EA	800 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	10,508.17	511.74
22 15 13 00-0028	EA	1,000 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	12,363.32	584.85
22 15 13 00-0029		Oil And Water Separator For Air Compressor *(22 15 13)*		
22 15 13 00-0030	EA	0-60 SCFM Oil/Water Separator	507.75	26.03
22 15 13 00-0031	EA	85 SCFM Oil/Water Separator	685.26	30.50
22 15 13 00-0032	EA	190 SCFM Oil/Water Separator	801.02	34.57
22 15 13 00-0033	EA	245 SCFM Oil/Water Separator	1,005.76	40.66
22 15 13 00-0034	EA	320 SCFM Oil/Water Separator	1,195.44	48.80
22 15 13 00-0035	EA	700 SCFM Oil/Water Separator	2,409.76	101.66

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0036		Heavy Duty Industrial Pressure Regulator *(22 15 13)*		
22 15 13 00-0037	EA	3/8" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	88.12	21.93
22 15 13 00-0038	EA	1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	123.07	29.24
22 15 13 00-0039	EA	3/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	210.40	36.56
22 15 13 00-0040	EA	1" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	263.69	54.83
22 15 13 00-0041	EA	1-1/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	368.72	63.96
22 15 13 00-0042	EA	1-1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	386.99	73.11
22 15 13 00-0043		Combination Air System; Filter Regulator Lubricator *(22 15 13)*		
22 15 13 00-0044	EA	3/8" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter	334.88	65.80
22 15 13 00-0045	EA	1/2" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter	414.63	87.72
22 15 13 00-0046		Heatless Desiccant Air Dryers *(22 15 13)*		
22 15 13 00-0047	EA	5 SCFM Heatless Desiccant Air Dryer	1,976.50	65.80
22 15 13 00-0048	EA	10 SCFM Heatless Desiccant Air Dryer	2,376.56	73.11
22 15 13 00-0049	EA	15 SCFM Heatless Desiccant Air Dryer	2,399.55	80.42
22 15 13 00-0050	EA	20 SCFM Heatless Desiccant Air Dryer	2,740.84	91.38
22 15 13 00-0051	EA	30 SCFM Heatless Desiccant Air Dryer	3,775.93	109.66
22 15 13 00-0052	EA	50 SCFM Heatless Desiccant Air Dryer	3,728.24	146.21
22 15 13 00-0053	EA	85 SCFM Heatless Desiccant Air Dryer	5,008.01	182.77
22 15 13 00-0054	EA	100 SCFM Heatless Desiccant Air Dryer	5,314.08	219.32
22 15 13 00-0055	EA	125 SCFM Heatless Desiccant Air Dryer	6,083.68	255.87
22 15 13 00-0056	EA	175 SCFM Heatless Desiccant Air Dryer	6,985.90	292.42
22 15 13 00-0057	EA	200 SCFM Heatless Desiccant Air Dryer	7,506.88	328.98
22 15 13 00-0058	EA	300 SCFM Heatless Desiccant Air Dryer	9,180.10	365.53
22 15 13 00-0059	EA	400 SCFM Heatless Desiccant Air Dryer	10,196.93	438.63
22 15 13 00-0060	EA	500 SCFM Heatless Desiccant Air Dryer	11,785.39	511.74
22 15 13 00-0061	EA	600 SCFM Heatless Desiccant Air Dryer	13,598.69	584.85
22 15 13 00-0062		Air Cooled Aftercoolers *(22 15 13)*		
22 15 13 00-0063	EA	20 SCFM Air-Cooled Aftercooler	498.01	45.69
22 15 13 00-0064	EA	35 SCFM Air-Cooled Aftercooler	672.93	54.83
22 15 13 00-0065	EA	43 SCFM Air-Cooled Aftercooler	739.04	63.96
22 15 13 00-0066	EA	70 SCFM Air-Cooled Aftercooler	903.21	73.11
22 15 13 00-0067	EA	125 SCFM Air-Cooled Aftercooler	1,258.73	82.25
22 15 13 00-0068	EA	185 SCFM Air-Cooled Aftercooler	1,413.35	91.38
22 15 13 00-0069	EA	260 SCFM Air-Cooled Aftercooler	2,738.36	109.66
22 15 13 00-0070	EA	365 SCFM Air-Cooled Aftercooler	2,862.45	127.94
22 15 13 00-0071	EA	560 SCFM Air-Cooled Aftercooler	2,985.59	146.21
22 15 13 00-0072	EA	650 SCFM Air-Cooled Aftercooler	3,501.46	164.49
22 15 13 00-0073	EA	750 SCFM Air-Cooled Aftercooler	3,827.90	182.77
22 15 13 00-0074	EA	900 SCFM Air-Cooled Aftercooler	4,389.70	201.04
22 15 13 00-0075	EA	1,100 SCFM Air-Cooled Aftercooler	5,636.49	219.32
22 15 13 00-0076	EA	1,460 SCFM Air-Cooled Aftercooler	6,447.51	237.59
22 15 13 00-0077	EA	1,800 SCFM Air-Cooled Aftercooler	6,657.47	255.87
22 15 13 00-0078	EA	2,500 SCFM Air-Cooled Aftercooler	7,138.90	274.15
22 15 13 00-0079		Compressed Air Coalescing Filters *(22 15 13)*		
22 15 13 00-0080		1.0 Micron Filter Rated Compressed Air Coalescing Filters *(22 15 13 00-0079)*		
22 15 13 00-0081	EA	10 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating	172.46	26.43
22 15 13 00-0082	EA	20 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating	205.95	26.43
22 15 13 00-0083	EA	50 SCFM, 1/2", Coalescing Filter, 1.0 Micron Filter Rating	224.84	30.50
22 15 13 00-0084	EA	75 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating	258.89	34.97
22 15 13 00-0085	EA	100 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating	302.09	38.63
22 15 13 00-0086	EA	140 SCFM, 1", Coalescing Filter, 1.0 Micron Filter Rating	342.28	46.76
22 15 13 00-0087	EA	175 SCFM, 1-1/4" Coalescing Filter, 1.0 Micron Filter Rating	435.38	50.83
22 15 13 00-0088	EA	250 SCFM, 1-1/2" Coalescing Filter, 1.0 Micron Filter Rating	447.27	61.00
22 15 13 00-0089	EA	280 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating	574.04	81.33
22 15 13 00-0090	EA	350 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating	656.57	91.49
22 15 13 00-0091		0.01 Micron Filter Rated Compressed Air Coalescing Filters *(22 15 13 00-0079)*		
22 15 13 00-0092	EA	16 SCFM, 3/8" Coalescing Filter, 0.01 Micron Filter Rating	210.73	26.43
22 15 13 00-0093	EA	30 SCFM, 1/2" Coalescing Filter, 0.01 Micron Filter Rating	228.42	30.50
22 15 13 00-0094	EA	60 SCFM, 3/4" Coalescing Filter, 0.01 Micron Filter Rating	262.24	34.97
22 15 13 00-0095	EA	100 SCFM, 1" Coalescing Filter, 0.01 Micron Filter Rating	308.79	34.57
22 15 13 00-0096	EA	140 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating	349.93	46.76
22 15 13 00-0097	EA	180 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating	397.05	50.83
22 15 13 00-0098	EA	250 SCFM, 1-1/2" Coalescing Filter, 0.01 Micron Filter Rating	455.89	61.00
22 15 13 00-0099	EA	280 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating	588.39	81.33
22 15 13 00-0100	EA	350 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating	675.70	91.49

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0101		Compressed Air Storage Tanks *(22 15 13)*		
22 15 13 00-0102		Horizontal Compressed Air Storage Tanks *(22 15 13 00-0101)*		
22 15 13 00-0103	EA	12 Gallon Horizontal Compressed Air Storage Tank, ASME	284.40	58.49
22 15 13 00-0104	EA	15 Gallon Horizontal Compressed Air Storage Tank, ASME	373.73	63.96
22 15 13 00-0105	EA	20 Gallon Horizontal Compressed Air Storage Tank, ASME	395.66	67.26
22 15 13 00-0106	EA	30 Gallon Horizontal Compressed Air Storage Tank, ASME	448.99	73.11
22 15 13 00-0107	EA	60 Gallon Horizontal Compressed Air Storage Tank, ASME	588.05	98.69
22 15 13 00-0108	EA	80 Gallon Horizontal Compressed Air Storage Tank, ASME	704.29	109.66
22 15 13 00-0109	EA	120 Gallon Horizontal Compressed Air Storage Tank, ASME	1,034.88	127.94
22 15 13 00-0110	EA	200 Gallon Horizontal Compressed Air Storage Tank, ASME	1,516.92	146.21
22 15 13 00-0111	EA	240 Gallon Horizontal Compressed Air Storage Tank, ASME	1,686.69	155.35
22 15 13 00-0112	EA	325 Gallon Horizontal Compressed Air Storage Tank, ASME	2,402.84	164.49
22 15 13 00-0113	EA	400 Gallon Horizontal Compressed Air Storage Tank, ASME	3,151.10	191.90
22 15 13 00-0114	EA	660 Gallon Horizontal Compressed Air Storage Tank, ASME	4,504.81	228.46
22 15 13 00-0115		Vertical Compressed Air Storage Tanks *(22 15 13 00-0101)*		
22 15 13 00-0116	EA	10 Gallon Vertical Compressed Air Storage Tank, ASME	347.40	58.49
22 15 13 00-0117	EA	15 Gallon Vertical Compressed Air Storage Tank, ASME	366.05	63.96
22 15 13 00-0118	EA	20 Gallon Vertical Compressed Air Storage Tank, ASME	395.66	67.26
22 15 13 00-0119	EA	30 Gallon Vertical Compressed Air Storage Tank, ASME	464.20	73.11
22 15 13 00-0120	EA	60 Gallon Vertical Compressed Air Storage Tank, ASME	633.67	98.69
22 15 13 00-0121	EA	80 Gallon Vertical Compressed Air Storage Tank, ASME	726.27	109.66
22 15 13 00-0122	EA	120 Gallon Vertical Compressed Air Storage Tank, ASME	987.10	127.94
22 15 13 00-0123	EA	200 Gallon Vertical Compressed Air Storage Tank, ASME	1,418.45	146.21
22 15 13 00-0124	EA	240 Gallon Vertical Compressed Air Storage Tank, ASME	1,561.18	155.35
22 15 13 00-0125	EA	325 Gallon Vertical Compressed Air Storage Tank, ASME	2,095.61	164.49
22 15 13 00-0126	EA	400 Gallon Vertical Compressed Air Storage Tank, ASME	2,674.28	191.90
22 15 13 00-0127	EA	500 Gallon Vertical Compressed Air Storage Tank, ASME	3,463.57	210.18
22 15 13 00-0128	EA	660 Gallon Vertical Compressed Air Storage Tank, ASME	5,690.59	237.59

22 15 19 General Service Packaged Air Compressors And Receivers *(22 15)*

Note: Includes V-belt drive, receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.

22 15 19 13 General Service Packaged Reciprocating Air Compressors *(22 15 19)*

22 15 19 13-0001		Single Stage Compressor *(22 15 19 13)* Note: Includes receiver, reciprocating air cooled, 140 PSIG working pressure, splash lubricated, tank mounted.		
22 15 19 13-0002	EA	1/2 HP 1-Stage Air Compressor, 1.5 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	1,481.97	259.38
22 15 19 13-0003	EA	3/4 HP 1-Stage Air Compressor, 2.0 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	1,563.48	299.37
22 15 19 13-0004	EA	1 HP 1-Stage Air Compressor, 2.5 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	1,790.46	353.54
22 15 19 13-0005	EA	2 HP 1-Stage Air Compressor, Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	2,033.08	390.10
22 15 19 13-0006	EA	3 HP 1-Stage Air Compressor, Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	2,452.26	412.02
22 15 19 13-0007	EA	3 HP 1-Stage Air Compressor, Air Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure	2,612.92	426.64
22 15 19 13-0008	EA	5 HP 1-Stage Air Compressor, Air Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure	2,938.70	487.62
22 15 19 13-0009	EA	5 HP 1-Stage Air Compressor, Air Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure	3,148.76	516.86
22 15 19 13-0010	EA	7.5 HP 1-Stage Air Compressor, Air Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure	3,759.30	585.14
22 15 19 13-0011		Two Stage Compressor *(22 15 19 13)* Note: With receiver, reciprocating air cooled, discharge pressure 80-200 PSIG, receiver capacity as noted, splash lubricated, tank mounted.		
22 15 19 13-0012	EA	1-1/2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 5.0 ACFM, 80-200 PSIG Discharge Pressure	2,812.30	455.89
22 15 19 13-0013	EA	2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 7.0 ACFM, 80-200 PSIG Discharge Pressure	3,044.05	536.38
22 15 19 13-0014	EA	3 HP 2-Stage Air Compressor, 60 Gallon Receiver, 12 ACFM, 80-200 PSIG Discharge Pressure	3,194.83	585.14
22 15 19 13-0015	EA	5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 15 ACFM, 80-200 PSIG Discharge Pressure	3,707.66	780.19
22 15 19 13-0016	EA	5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 16.5 ACFM, 80-200 PSI Max Discharge Pressure	3,964.78	780.19
22 15 19 13-0017	EA	7.5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 19.8 ACFM, 80-200 PSIG Discharge Pressure	4,329.89	975.24
22 15 19 13-0018	EA	7.5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 25.6 ACFM, 80-200 PSI Max Discharge Pressure	4,563.09	975.24
22 15 19 13-0019	EA	10 HP 2-Stage Air Compressor, 80 Gallon Receiver, 35.0 ACFM, 80-200 PSI Max Discharge Pressure	5,833.92	1,206.26
22 15 19 13-0020	EA	10 HP 2-Stage Air Compressor, 120 Gallon Receiver, 38 ACFM, 80-200 PSIG Discharge Pressure	6,284.96	1,242.80
22 15 19 13-0021	EA	15 HP 2-Stage Air Compressor, 120 Gallon Receiver, 50 ACFM, 80-200 PSIG Discharge Pressure	6,783.04	1,452.47
22 15 19 13-0022	EA	20 HP 2-Stage Air Compressor, 120 Gallon Receiver, 70 ACFM, 80-200 PSIG Discharge Pressure	9,935.83	1,644.15
22 15 19 13-0023	EA	25 HP 2-Stage Air Compressor, 120 Gallon Receiver, 84.4 ACFM, 175 PSI Max Discharge Pressure	10,722.05	1,857.85
22 15 19 13-0024	EA	30 HP 2-Stage Air Compressor, 120 Gallon Receiver, 97.2 ACFM, 175 PSI Max Discharge Pressure	11,940.87	2,053.33
22 15 19 13-0025	EA	30 HP 2-Stage Air Compressor, 250 Gallon Receiver, 101 ACFM, 175 PSI Max Discharge Pressure	12,999.06	2,250.36

22 15 19 19 General Service Packaged Rotary-Screw Air Compressors *(22 15 19)*

22 15 19 19-0001		Rotary Screw Air Compressor, Base Mounted Without Receiver *(22 15 19 19)* Note: Oil flooded.		
22 15 19 19-0002	EA	3 HP, 8.5 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated	4,728.66	648.99
22 15 19 19-0003	EA	5 HP, 16.6 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated	5,346.98	865.33
22 15 19 19-0004	EA	7.5 HP, 27 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	6,841.87	1,084.92
22 15 19 19-0005	EA	10 HP, 37 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	7,991.17	1,382.57
22 15 19 19-0006	EA	15 HP, 56 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	9,150.01	1,626.55
22 15 19 19-0007	EA	20 HP, 79 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	11,038.36	1,829.88
22 15 19 19-0008	EA	25 HP, 114 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	12,117.09	2,033.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 19 19-0009	EA	30 HP, 137 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	14,474.25	2,277.18
22 15 19 19-0010	EA	40 HP, 183 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	15,879.43	2,439.84
22 15 19 19-0011	EA	50 HP, 214 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	17,771.44	2,629.33
22 15 19 19-0012	EA	60 HP, 256 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	22,812.23	2,846.48
22 15 19 19-0013	EA	75 HP, 320 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	25,239.89	3,009.14
22 15 19 19-0014	EA	100 HP, 494 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	39,761.76	3,253.12
22 15 19 19-0015	EA	125 HP, 592 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	49,345.60	3,517.44
22 15 19 19-0016	EA	150 HP, 695 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	57,175.30	3,785.81
22 15 19 19-0017	EA	220 HP, 996 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	73,967.27	4,066.40
22 15 19 19-0018	EA	250 HP, 1,000 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	83,900.10	4,326.64

22 15 19 19-0019 Rotary Screw Air Compressor, Base Mounted With Receiver *(22 15 19 19)*

Note: Includes receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.

22 15 19 19-0020	EA	5 HP, 18.5 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated	5,929.38	865.33
22 15 19 19-0021	EA	5 HP, 18.5 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated	6,273.80	865.33
22 15 19 19-0022	EA	7.5 HP, 28 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	7,115.73	1,084.92
22 15 19 19-0023	EA	7.5 HP, 28 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	7,492.44	1,084.92
22 15 19 19-0024	EA	10 HP, 38 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	8,141.86	1,382.57
22 15 19 19-0025	EA	10 HP, 38 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	8,540.09	1,382.57
22 15 19 19-0026	EA	15 HP, 55 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	9,274.39	1,626.55
22 15 19 19-0027	EA	15 HP, 55 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	9,704.91	1,626.55
22 15 19 19-0028	EA	20 HP, 75 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	15,573.21	1,829.88
22 15 19 19-0029	EA	25 HP, 102 SCFM, 120 gallon receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	16,813.39	2,033.20
22 15 19 19-0030	EA	30 HP, 125 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	17,945.94	2,277.18

22 30 Plumbing Equipment *(22)*

22 31 Domestic Water Softeners *(22 30)*

22 31 13 Residential Domestic Water Softeners *(22 31)*

See CSI section 11 30 13 13-0106 for residential water softener.

22 31 16 Commercial Domestic Water Softeners *(22 31)*

22 31 16 00-0001 Commercial Water Softeners (Watts Pure Water) *(22 31 16)*

22 31 16 00-0002 Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0001)*

22 31 16 00-0003 1" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)*

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

22 31 16 00-0004	EA	30,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111A11)	2,673.19	205.80
22 31 16 00-0005	EA	45,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111B11)	2,794.21	215.15
22 31 16 00-0006	EA	60,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111C11)	3,014.21	224.51
22 31 16 00-0007	EA	90,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111D11)	3,464.13	233.86
22 31 16 00-0008	EA	120,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111E11)	3,690.73	243.22

22 31 16 00-0009 1-1/2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)*

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

22 31 16 00-0010	EA	60,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121C11)	3,985.51	224.51
22 31 16 00-0011	EA	90,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121D11)	4,191.23	233.86
22 31 16 00-0012	EA	120,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121E11)	4,418.93	243.22
22 31 16 00-0013	EA	150,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121F11)	5,242.85	252.57

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 31 16 00-0014	EA	210,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121G11)	5,823.65	261.92
22 31 16 00-0015	EA	300,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121H11)	7,079.86	271.28
22 31 16 00-0016		2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0017	EA	90,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D11)	6,028.23	233.86
22 31 16 00-0018	EA	120,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E11)	6,248.23	243.22
22 31 16 00-0019	EA	150,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F11)	7,074.35	252.57
22 31 16 00-0020	EA	210,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G11)	7,655.15	261.92
22 31 16 00-0021	EA	300,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H11)	8,979.56	271.28
22 31 16 00-0022	EA	450,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I11)	11,826.37	280.64
22 31 16 00-0023	EA	600,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J11)	13,826.18	289.98
22 31 16 00-0024		3" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0025	EA	300,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H11)	14,505.96	271.28
22 31 16 00-0026	EA	450,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I11)	16,751.07	280.64
22 31 16 00-0027	EA	600,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J11)	18,724.48	289.98
22 31 16 00-0028	EA	900,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K11)	23,560.08	299.34
22 31 16 00-0029	EA	1050,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L11)	26,082.40	308.70
22 31 16 00-0030		Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0001)*		
22 31 16 00-0031		2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0030)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.		
22 31 16 00-0032	EA	90,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D21)	9,886.59	350.79
22 31 16 00-0033	EA	120,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E21)	10,324.95	364.82
22 31 16 00-0034	EA	150,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F21)	11,748.91	378.86
22 31 16 00-0035	EA	210,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G21)	12,840.67	392.89
22 31 16 00-0036	EA	300,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H21)	15,658.34	406.92
22 31 16 00-0037	EA	450,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I21)	20,717.80	420.95
22 31 16 00-0038	EA	600,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J21)	24,371.46	434.98
22 31 16 00-0039		3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0030)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.		
22 31 16 00-0040	EA	300,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H21)	26,618.74	406.92
22 31 16 00-0041	EA	450,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I21)	30,569.40	420.95
22 31 16 00-0042	EA	600,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J21)	34,345.16	434.98
22 31 16 00-0043	EA	900,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K21)	43,678.13	449.01
22 31 16 00-0044	EA	1,050,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L21)	48,758.50	463.04
22 31 16 00-0045		Twin Alternating, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 31 16 00-0046		1" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0045)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0047	EA	30,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21)	3,523.60	308.70
22 31 16 00-0048	EA	45,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21)	3,756.26	322.73
22 31 16 00-0049	EA	60,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21)	4,093.42	336.76
22 31 16 00-0050	EA	90,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21)	4,900.29	350.79
22 31 16 00-0051	EA	120,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	5,414.55	364.82
22 31 16 00-0052		1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0045)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0053	EA	60,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21)	6,835.72	336.76
22 31 16 00-0054	EA	90,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21)	7,206.99	350.79
22 31 16 00-0055	EA	120,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21)	7,754.25	364.82
22 31 16 00-0056	EA	150,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21)	8,866.91	378.86
22 31 16 00-0057	EA	210,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	9,996.07	392.89
22 31 16 00-0058	EA	300,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	12,495.84	406.92

22 32 Domestic Water Filtration Equipment *(22 30)*

22 32 16 Domestic-Water Freestanding Cartridge Filters *(22 32)*

22 32 16 00-0001		Commercial Water Filters Housings *(22 32 16)*		
22 32 16 00-0002		Commercial Multi-Cartridge Stainless Steel Water Filter Housings *(22 32 16 00-0001)*		
22 32 16 00-0003		Commercial Multi-Cartridge Stainless Steel Water Filter Housings *(22 32 16 00-0002)*		
22 32 16 00-0004	EA	25 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X1)	1,391.82	132.15
22 32 16 00-0005	EA	30 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X1)	1,422.05	142.33
22 32 16 00-0006	EA	60 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X2)	1,513.88	152.49
22 32 16 00-0007	EA	90 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X3)	1,673.91	162.65
22 32 16 00-0008	EA	120 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X4)	1,726.15	172.82
22 32 16 00-0009	EA	150 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X4)	2,083.07	182.99
22 32 16 00-0010	EA	250 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X3)	5,740.01	193.15
22 32 16 00-0011	EA	300 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X4)	6,670.04	203.32
22 32 16 00-0012	EA	500 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X3)	8,452.57	213.48
22 32 16 00-0013	EA	600 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X4)	9,371.60	223.65
22 32 16 00-0014		Commercial Water Filter Cartridges *(22 32 16 00-0002)*		
22 32 16 00-0015		(Depth) Water Filter Cartridges *(22 32 16 00-0014)*		
22 32 16 00-0016	EA	50 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M50)	7.37	1.62
22 32 16 00-0017	EA	20 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M20)	7.37	1.62
22 32 16 00-0018	EA	10 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M10)	7.37	1.62
22 32 16 00-0019	EA	5 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M5)	6.27	1.62
22 32 16 00-0020	EA	1 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M1)	7.65	1.62
22 32 16 00-0021	EA	50 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M50)	7.65	1.62
22 32 16 00-0022	EA	20 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M20)	8.20	1.62
22 32 16 00-0023	EA	5 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Big Pure Water PWMB20M5)	10.13	1.62
22 32 16 00-0024	EA	1 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M1)	8.20	1.62
22 32 16 00-0025	EA	50 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M50)	9.57	1.62
22 32 16 00-0026	EA	20 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M20)	9.57	1.62
22 32 16 00-0027	EA	5 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M5)	9.57	1.62
22 32 16 00-0028	EA	1 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M1)	10.40	1.62
22 32 16 00-0029	EA	50 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M50)	13.43	1.62

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 32 16 00-0030	EA	20 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M20)	12.33	1.62
22 32 16 00-0031	EA	5 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M5)	12.33	1.62
22 32 16 00-0032	EA	1 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M1)	13.43	1.62
22 32 16 00-0033		Pleated Water Filter Cartridges *(22 32 16 00-0014)*		
22 32 16 00-0034	EA	50 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M50)	12.60	1.62
22 32 16 00-0035	EA	20 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M20)	12.60	1.62
22 32 16 00-0036	EA	5 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M5)	12.87	1.62
22 32 16 00-0037	EA	1 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1)	13.70	1.62
22 32 16 00-0038	EA	1 Micron Absolute, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1AB)	20.30	1.62
22 32 16 00-0039	EA	50 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M50)	19.47	1.62
22 32 16 00-0040	EA	20 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M20)	19.47	1.62
22 32 16 00-0041	EA	5 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Big Pure Water PWPL20M5)	19.47	1.62
22 32 16 00-0042	EA	1 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1)	25.53	1.62
22 32 16 00-0043	EA	1 Micron Absolute, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1AB)	35.97	1.62
22 32 16 00-0044	EA	50 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M50)	30.20	1.62
22 32 16 00-0045	EA	20 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M20)	41.75	1.62
22 32 16 00-0046	EA	5 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M5)	43.40	1.62
22 32 16 00-0047	EA	1 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M1)	48.90	1.62
22 32 16 00-0048		Commercial Non-Metallic Water Filter Housings *(22 32 16 00-0001)*		
22 32 16 00-0049		Commercial Non-Metallic Water Filter Housings *(22 32 16 00-0048)*		
22 32 16 00-0050	EA	150 GPM Max Flow Rate, 1 Cartridge, Commercial Non-Metallic Water Filter Housing (Watts Big Bubba® PWWJCHSG)	1,102.53	121.99
22 32 16 00-0051		Commercial Water Filter Cartridges *(22 32 16 00-0048)*		
22 32 16 00-0052		Carbon Water Filter Cartridges *(22 32 16 00-0051)*		
22 32 16 00-0053	EA	Activated 26-1/4" Length, Carbon Water Filter Cartridge (Watts Big Bubba® PWWJCAC5)	345.90	1.62
22 32 16 00-0054		(Depth) Water Filter Cartridges *(22 32 16 00-0051)*		
22 32 16 00-0055	EA	50 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB50)	72.27	1.62
22 32 16 00-0056	EA	20 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB20)	71.73	1.62
22 32 16 00-0057	EA	5 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB5)	71.73	1.62
22 32 16 00-0058	EA	1 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB1)	82.17	1.62
22 32 16 00-0059		Pleated Water Filter Cartridges *(22 32 16 00-0051)*		
22 32 16 00-0060	EA	150 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCM150)	190.25	1.62
22 32 16 00-0061	EA	50 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP50)	178.70	1.62
22 32 16 00-0062	EA	20 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP20)	194.65	1.62
22 32 16 00-0063	EA	5 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP5)	204.00	1.62
22 32 16 00-0064	EA	1 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1)	217.20	1.62
22 32 16 00-0065	EA	1 Absolute, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1AB)	235.35	1.62

22 33 Electric Domestic Water Heaters *(22 30)*

22 33 13 Instantaneous Electric Domestic Water Heaters *(22 33)*

22 33 13 13 Flow-Control, Instantaneous Electric Domestic Water Heaters *(22 33 13)*

22 33 13 13-0001		Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters *(22 33 13 13)*		
22 33 13 13-0002	EA	3 To 10 KW Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012, EX48, EX65, EX75, EX95)	262.25	40.64
22 33 13 13-0003	EA	7.2 KW, 0.75 GPM, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch RP7P)	328.29	40.64

22 33 13 16 Thermostat-Control, Instantaneous Electric Domestic Water Heaters *(22 33 13)*

22 33 13 16-0001		Thermostat Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters *(22 33 13 16)*		
		Note: Temperature rise decreases with increased flow rate.		
22 33 13 16-0002	EA	3 To 10 KW Thermostat-Control, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012T, EX48T, EX65T, EX75T, EX95T, EX012240T)	353.05	60.97
22 33 13 16-0003	EA	12 KW, 2.0 GPM, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE12)	430.36	81.30
22 33 13 16-0004	EA	17.25 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE115)	731.06	142.27
22 33 13 16-0005	EA	26.85 KW, 4.0 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE125)	1,084.06	162.59
22 33 13 16-0006	EA	12 KW, 1.6 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 12 Plus)	686.36	81.30
22 33 13 16-0007	EA	14.4 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 15 Plus)	945.28	121.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 13 16-0008	EA	19.2 KW, 2.8 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 20 Plus)	1,060.89	162.59
22 33 13 16-0009	EA	24 KW, 3.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 24 Plus)	1,097.22	162.59
22 33 13 16-0010	EA	28.8 KW, 4.5 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 29 Plus)	1,131.53	162.59
22 33 13 16-0011	EA	36 KW, 4.5 GPM At 55 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 36 Plus)	1,181.99	162.59

22 33 30 Residential, Electric Domestic Water Heaters *(22 33)*

22 33 30 13 Residential, Small-Capacity Electric Domestic Water Heaters *(22 33 30)*

22 33 30 13-0001 Small-Capacity, Electric Domestic Water Heaters (A.O. Smith ProMax) *(22 33 30 13)*

Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.

22 33 30 13-0002	EA	2 Gallon, Small-Capacity, Electric Domestic Water Heater	522.45	128.04
22 33 30 13-0003	EA	10 Gallon, Small-Capacity, Electric Domestic Water Heater	627.52	136.17
22 33 30 13-0004	EA	20 Gallon, Small-Capacity, Electric Domestic Water Heater	728.53	142.27

22 33 30 16 Residential, Storage Electric Domestic Water Heaters *(22 33 30)*

22 33 30 16-0001 Electric Domestic Water Heaters (A.O. Smith ProMax) *(22 33 30 16)*

Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.

22 33 30 16-0002	EA	30 Gallon, Electric Domestic Water Heater	771.94	142.27
22 33 30 16-0003	EA	40 Gallon, Electric Domestic Water Heater	734.43	146.33
22 33 30 16-0004	EA	50 Gallon, Electric Domestic Water Heater	727.02	150.39
22 33 30 16-0005	EA	55 Gallon, Electric Domestic Water Heater	801.31	152.43
22 33 30 16-0006	EA	66 Gallon, Electric Domestic Water Heater	1,121.10	156.50
22 33 30 16-0007	EA	80 Gallon, Electric Domestic Water Heater	1,144.39	162.59
22 33 30 16-0008	EA	120 Gallon, Electric Domestic Water Heater	1,493.49	172.76

22 33 30 16-0009 Low-Boy, Electric Domestic Water Heaters (A.O. Smith ProMax) *(22 33 30 16)*

Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.

22 33 30 16-0010	EA	30 Gallon, Low-Boy, Electric Domestic Water Heater	821.78	142.27
22 33 30 16-0011	EA	40 Gallon, Low-Boy, Electric Domestic Water Heater	789.94	146.33
22 33 30 16-0012	EA	50 Gallon, Low-Boy, Electric Domestic Water Heater	833.59	150.39

22 33 30 16-0013 High Efficiency, Electric Domestic Water Heaters (A.O. Smith Conservationist) *(22 33 30 16)*

Note: Includes .95 energy factor glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.

22 33 30 16-0014	EA	40 Gallon, High Efficiency, Electric Domestic Water Heater	848.16	146.33
22 33 30 16-0015	EA	50 Gallon, High Efficiency, Electric Domestic Water Heater	920.18	150.39
22 33 30 16-0016	EA	66 Gallon, High Efficiency, Electric Domestic Water Heater	1,113.28	156.50
22 33 30 16-0017	EA	80 Gallon, High Efficiency, Electric Domestic Water Heater	1,205.39	162.59

22 33 30 16-0018 Water Heater Accessories *(22 33 30 16)*

22 33 30 16-0019	EA	2 Gallon, Expansion Pressure Tank For Water Heaters	62.94	8.12
22 33 30 16-0020	EA	4.4 Gallon, Expansion Pressure Tank For Water Heaters	73.35	8.12
22 33 30 16-0021	EA	7.6 Gallon, Expansion Pressure Tank For Water Heaters	137.70	8.12
22 33 30 16-0022	EA	14 Gallon, Expansion Pressure Tank For Water Heaters	182.98	8.12
22 33 30 16-0023	EA	20" Diameter, 3" Deep, Aluminum Water Heater Drain Pan	41.00	6.10
22 33 30 16-0024	EA	22" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan	44.47	6.10
22 33 30 16-0025	EA	24" Diameter, 3" Deep, Aluminum Water Heater Drain Pan	46.78	6.10
22 33 30 16-0026	EA	26" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan	54.88	6.10
22 33 30 16-0027	EA	22" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	23.59	6.10
22 33 30 16-0028	EA	24" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	25.44	6.10
22 33 30 16-0029	EA	26" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	28.04	6.10
22 33 30 16-0030	EA	28" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	31.39	6.10

22 33 33 Light-Commercial Electric Domestic Water Heaters *(22 33)*

22 33 33 00-0001 Heavy Duty Electric Commercial Water Heaters (A.O. Smith DSE) *(22 33 33)*

Note: Includes glass lined tank, ASME tank construction, drain valve, and temperature and pressure relief valve.

22 33 33 00-0002	EA	3 KW, 5 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-5-3)	3,717.23	142.27
22 33 33 00-0003	EA	3 KW, 10 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-10-3)	3,857.34	142.27
22 33 33 00-0004	EA	6 KW, 10 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-10-6)	4,085.02	142.27
22 33 33 00-0005	EA	3 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-3)	4,061.44	162.59
22 33 33 00-0006	EA	6 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-6)	4,241.25	162.59
22 33 33 00-0007	EA	9 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-9)	4,605.54	162.59
22 33 33 00-0008	EA	12 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-12)	4,679.10	162.59
22 33 33 00-0009	EA	15 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-15)	4,911.45	162.59
22 33 33 00-0010	EA	18 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-18)	5,048.06	162.59

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 33 00-0011	EA	6 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-6)	4,417.56	162.59
22 33 33 00-0012	EA	9 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-9)	4,639.40	162.59
22 33 33 00-0013	EA	12 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-12)	4,972.17	162.59
22 33 33 00-0014	EA	15 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-15)	4,983.85	162.59
22 33 33 00-0015	EA	18 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-18)	5,215.03	162.59
22 33 33 00-0016	EA	24 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-24)	6,565.94	162.59
22 33 33 00-0017	EA	9 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-9)	4,826.96	203.24
22 33 33 00-0018	EA	12 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-12)	5,053.47	203.24
22 33 33 00-0019	EA	15 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-15)	5,257.80	203.24
22 33 33 00-0020	EA	18 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-18)	5,415.43	203.24
22 33 33 00-0021	EA	24 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-24)	6,768.67	203.24
22 33 33 00-0022	EA	30 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-30)	7,316.28	203.24
22 33 33 00-0023	EA	36 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-36)	7,884.90	203.24
22 33 33 00-0024	EA	9 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-9)	5,706.88	243.89
22 33 33 00-0025	EA	12 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-12)	5,891.36	243.89
22 33 33 00-0026	EA	15 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-15)	5,969.59	243.89
22 33 33 00-0027	EA	18 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-18)	6,039.65	243.89
22 33 33 00-0028	EA	24 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-24)	7,801.56	243.89
22 33 33 00-0029	EA	30 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-30)	8,240.58	243.89
22 33 33 00-0030	EA	36 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-36)	8,468.26	243.89
22 33 33 00-0031	EA	45 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-45)	9,933.60	243.89
22 33 33 00-0032	EA	54 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-54)	10,091.22	243.89
22 33 33 00-0033	EA	60 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-60)	12,045.78	243.89
22 33 33 00-0034	EA	75 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-75)	14,277.07	243.89
22 33 33 00-0035	EA	90 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-90)	17,575.54	243.89
22 33 33 00-0036	EA	9 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-9)	6,441.61	325.18
22 33 33 00-0037	EA	12 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-12)	6,599.23	325.18
22 33 33 00-0038	EA	15 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-15)	6,686.80	325.18
22 33 33 00-0039	EA	18 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-18)	6,777.88	325.18
22 33 33 00-0040	EA	24 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-24)	8,508.26	325.18
22 33 33 00-0041	EA	30 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-30)	8,934.43	325.18
22 33 33 00-0042	EA	36 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-36)	11,496.15	325.18
22 33 33 00-0043	EA	45 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-45)	10,569.07	325.18
22 33 33 00-0044	EA	54 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-54)	10,743.05	325.18
22 33 33 00-0045	EA	60 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-60)	11,316.34	325.18
22 33 33 00-0046	EA	75 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-75)	15,151.90	325.18
22 33 33 00-0047	EA	90 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-90)	18,421.18	325.18
22 33 33 00-0048	EA	12 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-12)	7,159.24	365.83
22 33 33 00-0049	EA	15 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-15)	7,270.16	365.83
22 33 33 00-0050	EA	18 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-18)	7,311.03	365.83
22 33 33 00-0051	EA	24 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-24)	8,969.02	365.83
22 33 33 00-0052	EA	30 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-30)	9,389.36	365.83
22 33 33 00-0053	EA	36 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-36)	9,628.71	365.83
22 33 33 00-0054	EA	45 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-45)	11,018.16	365.83
22 33 33 00-0055	EA	54 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-54)	11,152.43	365.83
22 33 33 00-0056	EA	60 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-60)	11,543.58	365.83
22 33 33 00-0057	EA	75 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-75)	15,338.28	365.83
22 33 33 00-0058	EA	90 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-90)	18,537.50	365.83
22 33 33 00-0059	EA	15 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-15)	8,005.31	406.48
22 33 33 00-0060	EA	18 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-18)	8,168.77	406.48
22 33 33 00-0061	EA	24 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-24)	9,441.46	406.48
22 33 33 00-0062	EA	30 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-30)	9,873.47	406.48
22 33 33 00-0063	EA	36 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-36)	10,083.64	406.48
22 33 33 00-0064	EA	45 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-45)	11,508.11	406.48
22 33 33 00-0065	EA	54 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-54)	11,659.90	406.48
22 33 33 00-0066	EA	60 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-60)	13,533.89	406.48
22 33 33 00-0067	EA	75 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-75)	15,676.44	406.48
22 33 33 00-0068	EA	90 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-90)	18,922.37	406.48
22 33 33 00-0069	EA	15 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-15)	8,885.98	487.77
22 33 33 00-0070	EA	18 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-18)	9,113.66	487.77
22 33 33 00-0071	EA	24 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-24)	9,983.53	487.77
22 33 33 00-0072	EA	30 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-30)	10,415.54	487.77
22 33 33 00-0073	EA	36 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-36)	10,643.22	487.77
22 33 33 00-0074	EA	45 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-45)	11,956.77	487.77
22 33 33 00-0075	EA	54 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-54)	12,091.04	487.77
22 33 33 00-0076	EA	60 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-60)	14,297.81	487.77
22 33 33 00-0077	EA	75 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-75)	17,070.86	487.77
22 33 33 00-0078	EA	90 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-90)	19,371.03	487.77

22 33 33 00-0079 Standard Duty Electric Commercial Water Heaters (A.O. Smith DEL And DEN) *(22 33 33)*

Note: Includes glass lined tank, drain valve, and temperature and pressure relief valve.

22 33 33 00-0080	EA	Up To 2.5 KW, 6 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-6S)	847.26	142.27
22 33 33 00-0081	EA	Up To 6 KW, 10 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-10S)	883.46	142.27
22 33 33 00-0082	EA	Up To 6 KW, 15 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-15S)	960.30	162.59
22 33 33 00-0083	EA	Up To 6 KW, 20 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-20S)	1,004.66	162.59
22 33 33 00-0084	EA	Up To 12 KW, 30 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-30D)	1,788.12	162.59
22 33 33 00-0085	EA	Up To 12 KW, 40 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-40D)	1,992.02	203.24
22 33 33 00-0086	EA	Up To 12 KW, 50 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-50D)	2,244.95	243.89
22 33 33 00-0087	EA	Up To 12 KW, 30 Gallon, Dual Element Standard Upright Electric Commercial Water Heater (DEN-30D)	1,778.35	203.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 33 00-0088	EA	Up To 12 KW, 40 Gallon, Dual Element Standard Upright Electric Commercial Water Heater (DEN-40D)	1,918.46	203.24
22 33 33 00-0089	EA	Up To 12 KW, 50 Gallon, Dual Element Standard Upright Electric Commercial Water Heater (DEN-50D)	2,180.73	243.89
22 33 33 00-0090	EA	Up To 12 KW, 66 Gallon, Dual Element Standard Upright Electric Commercial Water Heater (DEN-66D)	2,576.85	325.18
22 33 33 00-0091	EA	Up To 12 KW, 80 Gallon, Dual Element Standard Upright Electric Commercial Water Heater (DEN-80D)	2,868.31	365.83
22 33 33 00-0092	EA	Up To 12 KW, 119 Gallon, Dual Element Standard Upright Electric Commercial Water Heater (DEN-120D)	3,964.55	487.77
22 33 33 00-0093		Removal And Reinstallation Of Water Heater *(22 33 33)*		
		Note: Includes storage and cleaning.		
22 33 33 00-0094	EA	Remove And Reinstall Water Heater Electric, Up To 82 Gallon	270.99	
22 33 33 00-0095	EA	Remove And Reinstall Water Heater Electric, 83 Gallon To 200 Gallon	812.95	

22 34 Fuel-Fired Domestic Water Heaters *(22 30)*

22 34 13 Instantaneous, Tankless, Gas Domestic Water Heaters *(22 34)*

22 34 13 00-0001 Instantaneous, Tankless, Gas Domestic Water Heaters *(22 34 13)*

22 34 13 00-0002 Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters *(22 34 13 00-0001)*

Note: Includes vent connection. Excludes vent.

22 34 13 00-0003	EA	4.2 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-42PVN)	1,059.52	162.59
22 34 13 00-0004	EA	5.3 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53PVN)	1,140.53	164.62
22 34 13 00-0005	EA	5.3 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53DVN)	1,246.57	168.69
22 34 13 00-0006	EA	6.6 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-66DVN)	1,443.42	172.76
22 34 13 00-0007	EA	7.4 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74PVN)	1,738.00	182.91
22 34 13 00-0008	EA	7.4 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74DVN)	1,772.97	182.91

22 34 13 00-0009 Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters *(22 34 13 00-0001)*

22 34 13 00-0010	EA	5.3 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53XN)	1,136.46	162.59
22 34 13 00-0011	EA	7.4 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74XN)	1,738.00	182.91

22 34 30 Residential Gas Domestic Water Heaters *(22 34)*

22 34 30 13 Residential, Atmospheric, Gas Domestic Water Heaters *(22 34 30)*

22 34 30 13-0001 Atmospheric, Gas Domestic Water Heaters (A.O. Smith ProMax) *(22 34 30 13)*

Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 30 13-0002	EA	30 Gallon, Atmospheric, Gas Domestic Water Heater	812.49	156.50
22 34 30 13-0003	EA	40 Gallon, Atmospheric, Gas Domestic Water Heater	801.75	160.56
22 34 30 13-0004	EA	50 Gallon, Atmospheric, Gas Domestic Water Heater	1,039.67	164.62
22 34 30 13-0005	EA	65 Gallon, Atmospheric, Gas Domestic Water Heater	1,120.01	168.69
22 34 30 13-0006	EA	75 Gallon, Atmospheric, Gas Domestic Water Heater	1,216.90	172.76
22 34 30 13-0007	EA	100 Gallon, Atmospheric, Gas Domestic Water Heater	1,760.14	182.91

22 34 30 16 Residential, Direct-Vent, Gas Domestic Water Heaters *(22 34 30)*

22 34 30 16-0001 Direct-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) *(22 34 30 16)*

Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 30 16-0002	EA	40 Gallon, Direct-Vent, Gas Domestic Water Heater	1,417.47	160.56
22 34 30 16-0003	EA	50 Gallon, Direct-Vent, Gas Domestic Water Heater	1,605.83	164.62
22 34 30 16-0004	EA	75 Gallon, Direct-Vent, Gas Domestic Water Heater	2,063.84	168.69

22 34 30 19 Residential, Power-Vent, Gas Domestic Water Heaters *(22 34 30)*

22 34 30 19-0001 Power-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) *(22 34 30 19)*

Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 30 19-0002	EA	40 Gallon, Power-Vent, Gas Domestic Water Heater	1,295.75	160.56
22 34 30 19-0003	EA	50 Gallon, Power-Vent, Gas Domestic Water Heater	1,348.28	164.62

22 34 36 Commercial Gas Domestic Water Heaters *(22 34)*

22 34 36 00-0001 Gas Fired Commercial Water Heaters (A.O. Smith BTR) *(22 34 36)*

Note: Includes automatic flue damper, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 36 00-0002	EA	120 MBH Input, 71 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-120)	4,717.87	243.89
22 34 36 00-0003	EA	154 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-154)	5,942.35	284.54
22 34 36 00-0004	EA	180 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-180)	6,202.40	325.18
22 34 36 00-0005	EA	199 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-199)	6,225.39	325.18
22 34 36 00-0006	EA	199 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200)	6,368.85	325.18
22 34 36 00-0007	EA	199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200A)	7,899.73	357.70

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 00-0008	EA	250 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250)	7,053.85	365.83
22 34 36 00-0009	EA	250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250A)	8,506.42	402.41
22 34 36 00-0010	EA	251 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251)	6,674.52	365.83
22 34 36 00-0011	EA	251 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251A)	8,132.72	402.41
22 34 36 00-0012	EA	275 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275)	7,405.54	447.13
22 34 36 00-0013	EA	275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275A)	8,909.42	491.84
22 34 36 00-0014	EA	305 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305)	7,532.55	447.13
22 34 36 00-0015	EA	305 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305A)	8,960.46	491.84
22 34 36 00-0016	EA	365 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365)	8,429.89	487.77
22 34 36 00-0017	EA	365 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365A)	9,889.71	536.55
22 34 36 00-0018	EA	390 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400)	10,171.49	487.77
22 34 36 00-0019	EA	390 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400A)	11,763.39	536.55
22 34 36 00-0020	EA	500 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-500)	11,402.28	528.42
22 34 36 00-0021	EA	150 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151)	5,672.79	284.54
22 34 36 00-0022	EA	150 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151A)	6,833.21	312.99
22 34 36 00-0023	EA	199 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201)	5,897.78	325.18
22 34 36 00-0024	EA	199 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201A)	7,106.57	357.70
22 34 36 00-0025	EA	Sidewall Power Vent System For BTR-120 through BTR-200	894.96	203.24
22 34 36 00-0026	EA	Sidewall Power Vent System For BTR-250 through BTR-500	1,046.69	203.24

22 34 36 00-0027 Induced Draft Blower Gas Fired Commercial Water Heaters (A.O. Smith BTN) *(22 34 36)*

Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 36 00-0028	EA	80 MBH Input, 74 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-80)	2,987.87	243.89
22 34 36 00-0029	EA	90 MBH Input, 98 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-100)	3,447.67	243.89
22 34 36 00-0030	EA	120 MBH Input, 71 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-120)	5,108.70	243.89
22 34 36 00-0031	EA	154 MBH Input, 81 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-154)	6,276.28	284.54
22 34 36 00-0032	EA	180 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-180)	6,524.26	325.18
22 34 36 00-0033	EA	199 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-199)	6,564.49	325.18
22 34 36 00-0034	EA	199 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200)	6,713.93	325.18
22 34 36 00-0035	EA	199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200A)	7,893.98	357.70
22 34 36 00-0036	EA	250 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250)	7,415.94	365.83
22 34 36 00-0037	EA	250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250A)	9,127.15	402.41
22 34 36 00-0038	EA	275 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275)	7,779.70	447.13
22 34 36 00-0039	EA	275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275A)	9,524.41	491.84
22 34 36 00-0040	EA	310 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310)	7,955.57	447.13
22 34 36 00-0041	EA	310 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310A)	9,627.86	491.84
22 34 36 00-0042	EA	366 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366)	8,935.78	487.77
22 34 36 00-0043	EA	366 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366A)	10,473.65	536.55
22 34 36 00-0044	EA	390 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400)	10,866.94	487.77
22 34 36 00-0045	EA	390 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400A)	12,447.34	536.55

22 34 36 00-0046 Condensing Gas Fired Commercial Water Heaters (A.O. Smith BTX And BTH) *(22 34 36)*

Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 36 00-0047	EA	76 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-80)	2,717.74	243.89
22 34 36 00-0048	EA	100 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-100)	3,706.31	243.89
22 34 36 00-0049	EA	120 MBH Input, 60 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120)	5,206.41	243.89
22 34 36 00-0050	EA	120 MBH Input, 60 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120A)	6,588.61	268.28
22 34 36 00-0051	EA	150 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150)	6,994.72	284.54
22 34 36 00-0052	EA	150 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150A)	8,534.47	312.99
22 34 36 00-0053	EA	199 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199)	7,228.90	325.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 00-0054	EA	199 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199A)	8,790.59	357.70
22 34 36 00-0055	EA	250 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250)	8,174.62	365.83
22 34 36 00-0056	EA	250 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250A)	9,650.17	402.41
22 34 36 00-0057	EA	300 MBH Input, 130 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-300A)	12,128.02	491.84
22 34 36 00-0058	EA	399.9 MBH Input, 130 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-400A)	13,901.46	536.55
22 34 36 00-0059	EA	499.9 MBH Input, 130 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-500A)	16,014.00	581.26
22 34 36 00-0060		Laars Rheos+ 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heaters *(22 34 36)*		
22 34 36 00-0061	EA	1,200 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	25,356.63	938.94
22 34 36 00-0062	EA	1,600 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	35,863.35	1,037.78
22 34 36 00-0063	EA	2,000 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	38,921.56	1,087.20
22 34 36 00-0064	EA	2,400 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	42,154.92	1,186.04
22 34 36 00-0065		Laars Rheos 86% Efficient Gas Fired, Copper Fin Tube LoNox Water Heaters *(22 34 36)*		
22 34 36 00-0066	EA	1,200 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	22,469.14	938.94
22 34 36 00-0067	EA	1,600 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	24,822.45	1,037.78
22 34 36 00-0068	EA	2,000 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	27,144.17	1,087.20
22 34 36 00-0069	EA	2,400 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	29,490.85	1,186.04
22 34 36 00-0070		Laars Pennant 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heaters *(22 34 36)*		
22 34 36 00-0071	EA	200 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	5,736.97	444.76
22 34 36 00-0072	EA	300 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	6,310.73	494.18
22 34 36 00-0073	EA	400 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	7,409.68	593.02
22 34 36 00-0074	EA	500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	10,484.67	617.73
22 34 36 00-0075	EA	750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	11,541.44	741.27
22 34 36 00-0076	EA	1,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	14,237.74	889.53
22 34 36 00-0077	EA	1,250 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	16,196.18	938.94
22 34 36 00-0078	EA	1,500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	17,956.74	1,013.08
22 34 36 00-0079	EA	1,750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	19,608.21	1,062.49
22 34 36 00-0080	EA	2,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	21,053.40	1,087.20
22 34 36 00-0081		Patterson Kelly Thermific Sealed Combustion, Gas Fired, Copper Fin Tube Water Heaters *(22 34 36)*		
22 34 36 00-0082	EA	700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Thermific)	18,879.95	741.27
22 34 36 00-0083	EA	1,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Thermific)	20,773.50	889.53
22 34 36 00-0084	EA	1,500 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Thermific)	27,811.73	1,013.08
22 34 36 00-0085	EA	1,700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Thermific)	28,648.29	1,062.49
22 34 36 00-0086	EA	2,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Thermific)	29,994.11	1,087.20
22 34 36 00-0087		Patterson Kelly Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Water Heaters *(22 34 36)*		
22 34 36 00-0088	EA	1,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Modufire)	23,959.12	889.53
22 34 36 00-0089	EA	1,500 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Modufire)	28,993.22	1,013.08
22 34 36 00-0090	EA	2,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Modufire)	30,765.94	1,087.20
22 34 36 00-0091		Laars Mighty Therm Volume Water Heater *(22 34 36)*		
22 34 36 00-0092	EA	200 MBH Gas Fired Volume Water Heater (Laars MT2V0200)	6,162.04	599.01
22 34 36 00-0093	EA	300 MBH Gas Fired Volume Water Heater (Laars MT2V0300)	6,694.61	673.89
22 34 36 00-0094	EA	400 MBH Gas Fired Volume Water Heater (Laars MT2V0400)	7,768.17	823.64
22 34 36 00-0095	EA	500 MBH Gas Fired Volume Water Heater (Laars MT2V0500)	11,205.54	898.52
22 34 36 00-0096	EA	750 MBH Gas Fired Volume Water Heater (Laars MT2V0750)	12,347.45	1,048.27
22 34 36 00-0097	EA	1,000 MBH Gas Fired Volume Water Heater (Laars MT2V1000)	14,123.54	1,198.02
22 34 36 00-0098	EA	1,250 MBH Gas Fired Volume Water Heater (Laars MT2V1250)	15,611.47	1,347.77
22 34 36 00-0099	EA	1,500 MBH Gas Fired Volume Water Heater (Laars MT2V1500)	18,621.21	1,497.52
22 34 36 00-0100	EA	1,750 MBH Gas Fired Volume Water Heater (Laars MT2V1750)	19,329.41	1,572.39
22 34 36 00-0101	EA	2,000 MBH Gas Fired Volume Water Heater (Laars MT2V2000)	20,721.22	1,647.28

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 00-0102		Laars Mighty Therm Gas Fired Domestic Hot Water Skid Package *(22 34 36)*		
		Note: Includes (2) Laars Mighty Therm boilers, (2) B&G boiler primary pumps (one per boiler), T&P valve, circuit setter, storage tank (sized for 10 minutes buffer based on 50 degree city water supply, and operating set point for the tank at 130 degrees storage), and all necessary accessories for system monitoring such as gauges and thermometers. UL listed and labeled. Excludes piping insulation or seismic calculations.		
22 34 36 00-0103	EA	400 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-400)	47,917.34	1,003.23
22 34 36 00-0104	EA	1,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-1000)	57,908.55	1,065.93
22 34 36 00-0105	EA	2,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-2000)	70,330.22	1,128.64
22 34 36 00-0106	EA	3,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-3000)	84,046.55	1,191.34
22 34 36 00-0107	EA	4,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-4000)	88,095.64	1,254.04
22 34 36 00-0108		Removal And Reinstallation Of Water Heater *(22 34 36)*		
		Note: Includes storage and cleaning.		
22 34 36 00-0109	EA	Remove And Reinstall Water Heater Gas Fired, Up To 86 Gallon	369.52	
22 34 36 00-0110	EA	Remove And Reinstall Water Heater Gas Fired, 87 Gallon To 200 Gallon	977.11	
22 34 46		**Oil-Fired Domestic Water Heaters** *(22 34)*		
22 34 46 00-0001		Oil-Fired Domestic Water Heaters (Bock) *(22 34 46)*		
		Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 46 00-0002	EA	60 MBH, 20 Gallon, Oil-Fired Domestic Water Heater (Bock 20E)	1,656.40	156.50
22 34 46 00-0003	EA	104 MBH, 32 Gallon, Oil-Fired Domestic Water Heater (Bock 32E)	1,632.81	156.50
22 34 46 00-0004	EA	104 MBH, 33 Gallon, Oil-Fired Domestic Water Heater (Bock 33ES)	1,751.49	156.50
22 34 46 00-0005	EA	125 MBH, 40 Gallon, Oil-Fired Domestic Water Heater (Bock 40E)	1,807.09	160.56
22 34 46 00-0006	EA	140 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 50ES)	2,280.98	164.62
22 34 46 00-0007	EA	152 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 51E)	1,948.13	164.62
22 34 46 00-0008		Oil Fired Commercial Water Heaters *(22 34 46)*		
		Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 46 00-0009	EA	173 MBH, 68 Gallon, Oil-Fired Commercial Water Heater (Boch 71E)	2,690.54	243.89
22 34 46 00-0010	EA	199 MBH, 67 Gallon, Oil-Fired Commercial Water Heater (Boch 72E)	3,022.68	243.89
22 34 46 00-0011	EA	242 MBH, 67 Gallon, Oil-Fired Commercial Water Heater (Boch 73E)	3,203.07	243.89
22 34 46 00-0012	EA	190 MBH, 113 Gallon, Oil-Fired Commercial Water Heater (Bock 120E)	4,628.38	325.18
22 34 46 00-0013	EA	277 MBH, 109 Gallon, Oil-Fired Commercial Water Heater (Bock 241E)	5,331.54	365.83
22 34 46 00-0014	EA	415 MBH, 91 Gallon, Oil-Fired Commercial Water Heater (Bock 361E)	6,371.72	406.48
22 34 46 00-0015	EA	623 MBH, 83 Gallon, Oil-Fired Commercial Water Heater (Bock 541E)	8,057.51	447.13
22 35		Domestic Water Heat Exchangers *(22 30)*		
22 35 23		**Circulating, Domestic Water heat Exchangers** *(22 35)*		
22 35 23 00-0001		Steam Driven Water Heaters *(22 35 23)*		
22 35 23 00-0002		Constant Flow *(22 35 23 00-0001)*		
22 35 23 00-0003	EA	30 GPM, 700 LB/Hour Steam Water Heater, Constant Flow	4,231.92	406.48
22 35 23 00-0004	EA	90 GPM, 1,250 LB/Hour Steam Water Heater, Constant Flow	5,283.84	498.10
22 35 23 00-0005	EA	140 GPM, 2,500 LB/Hour Steam Water Heater, Constant Flow	6,773.17	651.42
22 35 23 00-0006	EA	230 GPM, 5,000 LB/Hour Steam Water Heater, Constant Flow	9,170.03	907.34
22 35 23 00-0007	EA	500 GPM, 7,500 LB/Hour Steam Water Heater, Constant Flow	13,559.89	1,494.38
22 35 23 00-0008	EA	900 GPM, 10,000 LB/Hour Steam Water Heater, Constant Flow	14,790.05	1,693.63
22 35 23 00-0009	EA	1,400 GPM, 15,000 LB/Hour Steam Water Heater, Constant Flow	19,358.50	1,954.18
22 35 23 00-0010	EA	2,400 GPM, 20,000 LB/Hour Steam Water Heater, Constant Flow	23,284.80	2,309.53
22 35 23 00-0011		Variable Flow *(22 35 23 00-0001)*		
22 35 23 00-0012	EA	30 GPM, 700 LB/Hour Steam Water Heater, Variable Flow	6,408.84	792.64
22 35 23 00-0013	EA	90 GPM, 1,250 LB/Hour Steam Water Heater, Variable Flow	7,276.59	967.83
22 35 23 00-0014	EA	140 GPM, 2,500 LB/Hour Steam Water Heater, Variable Flow	9,285.44	1,251.46
22 35 23 00-0015	EA	230 GPM, 5,000 LB/Hour Steam Water Heater, Variable Flow	12,196.59	1,746.07
22 35 23 00-0016	EA	500 GPM, 7,500 LB/Hour Steam Water Heater, Variable Flow	18,259.38	2,920.14
22 35 23 00-0017	EA	900 GPM, 10,000 LB/Hour Steam Water Heater, Variable Flow	22,158.88	3,215.81
22 35 23 00-0018	EA	1,400 GPM, 15,000 LB/Hour Steam Water Heater, Variable Flow	25,675.63	3,763.66
22 35 23 00-0019	EA	2,400 GPM, 20,000 LB/Hour Steam Water Heater, Variable Flow	32,463.63	4,496.46
22 40		Plumbing Fixtures *(22)*		
		Note: The following Energy Policy Act Flow Rates Requirements superseded flow rates standards listed in section. Plumbing fixtures and trim should not exceed the maximum flow rates set forth in The Energy Policy Act 92. lavatory faucets - 2.5 gal/min, lavatory replacement aerators - 2.5 gal/min, kitchen faucets - 2.5 gal/min, kitchen replacement aerators - 2.5 gal/min, metering faucets - 0.25 gal/cycle, gravity tank-type toilets - 1.6 gal/flush, flushometer tank toilets - 1.6 gal/flush, electromechanical hydraulic toilets - 1.6 gal/flush, blowdown toilets - 3.5 gal/flush, urinals - 1.0 gal/flush.		
22 41		Residential Plumbing Fixtures *(22 40)*		
22 41 39		**Residential Faucets, Supplies, And Trim** *(22 41)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 41 39 00-0001		**Kitchen Faucets** *(22 41 39)*		
22 41 39 00-0002	EA	Chrome Single Handle Kitchen Faucet (Delta 100WF)	123.23	37.42
22 41 39 00-0003	EA	Chrome Single Handle Kitchen Faucet With Spray (Delta 400WF)	140.55	37.42
22 41 39 00-0004	EA	Chrome Single Handle Kitchen Faucet With Integrated Spray (Delta 300WF)	140.55	37.42
22 41 39 00-0005	EA	Chrome Two Handle Kitchen Faucet, Three Hole Installation 8"Center (Delta 2102-LHP+H215)	135.76	37.42
22 41 39 00-0006	EA	Chrome Two Handle Kitchen Faucet With Spray, Three Hole Installation, 8" Center (Delta 2402-LHP+H215)	145.07	37.42
22 41 39 00-0007		**Lavatory Faucets** *(22 41 39)*		
22 41 39 00-0008	EA	Chrome Single Acrylic Handle Bath Faucet (Delta 502WF)	110.31	26.94
		For Faucet With Brass Pop-Up, Add	*11.00*	
22 41 39 00-0009	EA	Chrome Single Lever Handle Bath Faucet (Delta 500WF)	110.31	26.94
		For Faucet With Brass Pop-Up, Add	*11.00*	
22 41 39 00-0010	EA	Chrome Two Handle Bath Faucet With Acrylic Handles (Delta 2502)	84.86	26.94
		For Faucet With Brass Pop-Up, Add	*16.50*	
		For Faucet With Plastic Pop-Up, Add	*14.00*	
22 41 39 00-0011		**Bath And Shower Faucets** *(22 41 39)*		
22 41 39 00-0012	EA	Single Lever Handle, Chrome Shower Only, Pressure Balanced/Anti-Scald Valve (American Standard T675.501)	135.15	32.47
		For Faucet With Polished Nickel Or Brass Finish, Add	*25.00*	
22 41 39 00-0013	EA	Single Lever Handle, Chrome Bath And Shower, Pressure Balanced/Anti-Scald Valve (American Standard T675.502)	165.09	32.47
		For Faucet With Polished Nickel Or Brass Finish, Add	*25.00*	
22 41 39 00-0014	EA	Two-Knob Handle Chrome Shower Only, Ceramic Valving (American Standard 3275.301)	120.89	32.47
		For Faucet With Polished Nickel Or Brass Finish, Add	*75.00*	
		For Faucet With Lever Handles, Add	*8.10*	
22 41 39 00-0015	EA	Two-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard 3275.302)	135.85	32.47
		For Faucet With Polished Nickel Or Brass Finish, Add	*75.00*	
		For Faucet With Lever Handles, Add	*8.10*	
22 41 39 00-0016	EA	Three-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard 3375.302)	148.87	32.47
		For Faucet With Polished Nickel Or Brass Finish, Add	*75.00*	
		For Faucet With Lever Handles, Add	*8.10*	
22 41 39 00-0017	EA	Hand Shower With Hose And 25" Slide Bar (American Standard 1662.602)	159.09	20.33
22 41 39 00-0018		**Laundry Faucets** *(22 41 39)*		
22 41 39 00-0019	EA	Stream Straightener Nozzle Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2123)	95.91	23.90
22 41 39 00-0020		**Laundry/Wash Basin Faucets** *(22 41 39)*		
22 41 39 00-0021	EA	Hose Thread Spout Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121)	96.62	23.90
22 41 39 00-0022	EA	Hose Thread Spout With Vacuum Breaker Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121+RP25695)	135.05	26.34
22 41 39 00-0023		**Other Faucets** *(22 41 39)*		
22 41 39 00-0024	EA	Sillcock, Compact, Brass, IPS Or Copper To Hose	21.89	6.10

22 42 Commercial Plumbing Fixtures *(22 40)*

Note: Prices are for commercial grade unless otherwise indicated. Includes final connection and all associated trim (seat, supply stop and line, wax seal, valve). Excludes rough-in within the wall and carrier.

22 42 13 Commercial Water Closets, Urinals, And Bidets *(22 42)*

22 42 13 00-0001		**Vitreous China Water Closets** *(22 42 13)*		
		Note: With a 2" ball pass.		
22 42 13 00-0002		**Floor Mounted Elongated Vitreous China Water Closets** *(22 42 13 00-0001)*		
		Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 00-0003	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Madera™)	477.19	77.83
22 42 13 00-0004	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Neolo®)	639.40	77.83
22 42 13 00-0005	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Colorado)	471.21	77.83
22 42 13 00-0006	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Priolo®)	592.86	77.83
22 42 13 00-0007	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Yorkville™)	803.60	77.83
22 42 13 00-0008	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Cadet™)	705.88	77.83
22 42 13 00-0009	EA	1.28 GPF Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Toto® CT705E)	511.31	77.83
22 42 13 00-0010		**Wall Hung Elongated Vitreous China Water Closets** *(22 42 13 00-0001)*		
		Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 00-0011	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Afwall®)	549.82	95.79

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 00-0012	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Afwall® ADA Retrofit)	716.68	95.79
22 42 13 00-0013	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Glenwall™)	945.36	95.79
22 42 13 00-0014	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT708E Or CT708EV)	625.39	95.79
22 42 13 00-0015	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn Z5615-BWL)	506.32	95.79
22 42 13 00-0016	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Sloan ST-2059-A)	538.57	95.79
22 42 13 00-0017		**Floor Mounted Elongated Handicapped Water Closets** *(22 42 13 00-0001)*		
		Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 00-0018	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Madera™ ADA)	485.43	77.83
22 42 13 00-0019	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Colorado Right Height®)	500.05	77.83
22 42 13 00-0020	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Right Width™ Right Height®)	564.54	77.83
22 42 13 00-0021	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Huron)	644.31	77.83
22 42 13 00-0022	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Priolo® ADA)	640.99	77.83
22 42 13 00-0023	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Back Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Yorkville™ ADA)	895.60	77.83
22 42 13 00-0024	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Cadet Right Height™ ADA)	736.05	77.83
22 42 13 00-0025	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT705ELN)	551.12	77.83
22 42 13 00-0026	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn HET Z5667-BWL)	517.56	77.83
22 42 13 00-0027		**Floor Mounted, 10" High Bowl, Children's Height Vitreous China Water Closets** *(22 42 13 00-0001)*		
		Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 00-0028	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Elongated Vitreous China Water Closet (Kohler® Primary™)	517.59	77.83
22 42 13 00-0029	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™)	492.73	77.83
22 42 13 00-0030	EA	2 Piece Tank Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™)	596.45	77.83
22 42 13 00-0031		**Water Closet Flush Valves** *(22 42 13 00-0001)*		
22 42 13 00-0032	EA	Exposed Manual Water Closet Flush Valve (Sloan Regal-115)	158.48	25.51
22 42 13 00-0033	EA	Exposed Manual Water Closet Flush Valve (Sloan Regal-113-1.6)	171.95	25.51
22 42 13 00-0034	EA	Exposed Manual Water Closet Flush Valve (Sloan Regal-110 Or 111)	197.89	25.51
22 42 13 00-0035	EA	Concealed Manual Water Closet Flush Valve, Back Spud (Sloan Royal-140)	272.57	25.51
22 42 13 00-0036	EA	Concealed Manual Water Closet Flush Valve, Top Spud (Sloan Royal-142)	301.82	25.51
22 42 13 00-0037	EA	Exposed Infrared Water Closet Flush Valve (Sloan Royal 115-1.6 ES-S)	541.99	25.51
22 42 13 00-0038	EA	Concealed Infrared Water Closet Flush Valve, Back Spud (Sloan Royal-140 ES-S)	545.78	25.51
22 42 13 00-0039	EA	Concealed Infrared Water Closet Flush Valve, Top Spud (Sloan Royal-153-1.6-ES-S)	575.29	25.51
22 42 13 00-0040	EA	Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8113)	535.67	25.51
22 42 13 00-0041	EA	Dual Flush Water Closet Flush Valve (Sloan Uppercut WES-115)	242.73	14.97
		Note: "Green". 1.6 Gallons or 1.1 Gallons per flush. Includes instructional placards on proper operation.		
22 42 13 00-0042	EA	Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8110)	460.58	25.51
22 42 13 00-0043	EA	Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima EBV-89AM)	266.55	25.51
22 42 13 00-0044	EA	Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40118X)	234.92	25.51
22 42 13 00-0045	EA	Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima Smooth EBV-200A)	233.80	22.45
22 42 13 00-0046	EA	Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40180X)	253.68	22.45
22 42 13 00-0047	EA	Exposed Infrared Water Closet Flush Valve 1.28 GPF (Toto EcoPower TET1LN)	549.62	25.51
22 42 13 00-0048	EA	Exposed Infrared Water Closet Flush Valve (1-1/2" V.B.) 1.28 GPF (Toto EcoPower TET1LN32)	601.05	25.51
22 42 13 00-0049	EA	Concealed Infrared Water Closet Flush Valve, Back Spud 1.28 GPF (Toto EcoPower TET2LN31 Or TET3LN31)	764.35	25.51
22 42 13 00-0050	EA	Concealed Infrared Water Closet Flush Valve, Top Spud 1.28 GPF (Toto EcoPower TET2LN32 Or TET3LN32)	764.35	25.51
22 42 13 00-0051	EA	Exposed Infrared Water Closet Flush Valve (Zurn ZEMS6000AV-HET-IS)	498.62	25.51
22 42 13 00-0052	EA	Slide Over Handle AC Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan EL-600-A)	245.03	22.45
22 42 13 00-0053	EA	6 Volt DC, 120 Volt AC Hardwired Power Transformer (Sloan EL-451)	77.01	4.13
22 42 13 00-0054	EA	Exposed Solar/Battery Powered Water Closet Flush Valve (Sloan Solis 8111-1.28)	503.66	25.51
22 42 13 00-0055	EA	Exposed Manual Water Closet Flush Valve (Zurn Z6000AV-HET)	189.80	25.51
22 42 13 00-0056	EA	Exposed Battery Powered Water Closet Flush Valve (Zurn ZER6000AV-HET)	510.78	25.51
22 42 13 00-0057		**Vitreous China Urinals** *(22 42 13)*		
		Note: Excludes flush valve unless indicated otherwise.		
22 42 13 00-0058		**Wall Hung Urinals** *(22 42 13 00-0057)*		
22 42 13 00-0059	EA	Washout, Wall Hung, Vitreous China Urinal (American Standard Maybrook™)	450.08	80.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 00-0060	EA	Washout, Wall Hung, Vitreous China Urinal (American Standard Decorum™)	471.35	80.08
22 42 13 00-0061	EA	Washout, Wall Hung, Vitreous China Urinal With Top Spud (American Standard Washbrook®)	572.40	80.08
22 42 13 00-0062	EA	Blowout, Wall Hung, Vitreous China Urinal (American Standard Lynbrook™)	635.55	80.08
22 42 13 00-0063	EA	Siphon Jet, Wall Hung, Vitreous China Urinal (American Standard Trimbrook™)	570.40	80.08
22 42 13 00-0064	EA	Siphon Jet, Wall Hung, Vitreous China Urinal (American Standard Allbrook™)	467.02	80.08
22 42 13 00-0065	EA	Blowout, Wall Hung, Vitreous China Urinal (American Standard Jetbrook™)	566.41	80.08
22 42 13 00-0066	EA	Washout, Wall Hung, Vitreous China Urinal (Toto® UT447E Or UT447EV)	588.38	80.08
22 42 13 00-0067	EA	Washout, Wall Hung, Vitreous China Urinal (Toto® UT104E Or UT104EV)	489.52	80.08
22 42 13 00-0068	EA	Washout, Wall Hung, Vitreous China Urinal (Zurn Z5798)	537.55	80.08
22 42 13 00-0069	EA	0.125 GPF, HEU, Washout, Wall Hung, Vitreous China Urinal (Sloan SU-1000-A)	480.36	80.08
22 42 13 00-0070	EA	0.25 GPF, HEU, Washout, Wall Hung, Vitreous China Urinal (Sloan SU-1002-A)	480.36	80.08
22 42 13 00-0071	EA	0.5 GPF, HEU, Washout, Wall Hung, Vitreous China Urinal (Sloan SU-1005-A)	480.36	80.08
22 42 13 00-0072	EA	1.0 GPF, HEU, Washout, Wall Hung, Vitreous China Urinal (Sloan SU-1006-A)	480.36	80.08

22 42 13 00-0073 Floor Mounted Urinals *(22 42 13 00-0057)*

22 42 13 00-0074	EA	Washout, Floor Mounted, Vitreous China Urinal (American Standard Stallbrook™)	800.01	101.03

22 42 13 00-0075 Urinal Flush Valves *(22 42 13 00-0057)*

22 42 13 00-0076	EA	Exposed Manual Urinal Flush Valve, 3/4" Top Spud (Sloan Regal 186) Note: 0.5, 1.0 or 1.5 GPF.	151.80	25.51
22 42 13 00-0077	EA	Exposed Manual Urinal Flush Valve, 1-1/4" Top Spud (Sloan Regal 180) Note: 1.0, 1.5 or 3.5 GPF.	151.80	25.51
22 42 13 00-0078	EA	Concealed Manual Urinal Flush Valve, Back Spud (Sloan Royal 195) Note: 1.0 or 1.5 GPF.	212.89	25.51
22 42 13 00-0079	EA	Concealed Manual Urinal Flush Valve, Top Spud (Sloan Royal 197) Note: 1.0 or 1.5 GPF.	288.14	25.51
22 42 13 00-0080	EA	Exposed Infrared Urinal Flush Valve (Sloan Royal 186-ES-S) Note: 1.0 or 1.5 GPF.	447.57	25.51
22 42 13 00-0081	EA	Concealed Infrared Urinal Flush Valve, Back Spud (Sloan Royal 195-WB-ES-S) Note: 0.5, 1.0 or 1.5 GPF.	599.84	25.51
22 42 13 00-0082	EA	Concealed Infrared Urinal Flush Valve, Top Spud (Sloan Royal 197-WB-ES-S) Note: 0.5, 1.0 or 1.5 GPF.	642.99	25.51
22 42 13 00-0083	EA	Exposed Battery Powered Urinal Flush Valve, Top Spud (Sloan G2 Opt+8186-1) Note: 1.0 GPF.	423.16	25.51
22 42 13 00-0084	EA	Exposed Infrared Urinal Flush Valve (Toto EcoPower TEU1LN) Note: 0.5 GPF.	549.62	25.51
22 42 13 00-0085	EA	Exposed Infrared Urinal Flush Valve (3/4" V.B.) (Toto EcoPower TEU1LN12) Note: 0.5 GPF.	597.73	25.51
22 42 13 00-0086	EA	Concealed Infrared Urinal Flush Valve, 0.5 GPF (Toto EcoPower TEU2LN21 Or TEU3LN21) Note: 0.5 GPF.	938.82	25.51
22 42 13 00-0087	EA	Exposed Solar/Battery Powered Urinal Flush Valve, Top Spud (Sloan Solis 8186-0.13) Note: 0.13 GPF.	466.24	25.51
22 42 13 00-0088	EA	Exposed Manual Urinal Flush Valve, 3/4" Top Spud (Zurn Z6003AV-ULF) Note: 0.125 GPF.	180.92	25.51
22 42 13 00-0089	EA	Exposed Battery Powered Urinal Flush Valve, Top Spud (Zurn ZEG6003EV) Note: 0.125 GPF.	505.51	25.51
22 42 13 00-0090	EA	Exposed Infrared Urinal Flush Valve (Zurn ZEMS6003AV-ULF-IS) Note: 0.125 GPF.	490.25	25.51

22 42 13 00-0091 Enameled Cast Iron Trough Type Urinals *(22 42 13 00-0057)*

Note: Includes strainer, p-trap, washdown pipe and trim.

22 42 13 00-0092	EA	36" Long, Enameled Cast Iron Trough Type Urinal (Kohler® Jarves®)	2,192.24	108.90
22 42 13 00-0093	EA	48" Long, Enameled Cast Iron Trough Type Urinal (Kohler® Jarves®)	2,471.01	108.90
22 42 13 00-0094	EA	60" Long, Enameled Cast Iron Trough Type Urinal (Kohler® Jarves®)	2,886.68	126.93
22 42 13 00-0095	EA	72" Long, Enameled Cast Iron Trough Type Urinal (Kohler® Jarves®)	3,232.11	126.93

22 42 13 00-0096 Waterfree Urinals *(22 42 13 00-0057)*

22 42 13 00-0097	EA	Waterfree, Wall Hung, Vitreous China Urinal (American Standard Small FloWise® Flush-Free)	460.98	56.13
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-31.22*	
22 42 13 00-0098	EA	Waterfree, Wall Hung, Vitreous China Urinal (American Standard Medium FloWise® Flush-Free)	523.47	56.13
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-38.35*	
22 42 13 00-0099	EA	Waterfree, Wall Hung, Vitreous China Urinal (American Standard Large FloWise® Flush-Free)	554.72	56.13
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-41.91*	
22 42 13 00-0100	EA	Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-1000)	623.51	56.13
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-49.75*	
22 42 13 00-0101	EA	Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-2000)	575.55	56.13
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-44.28*	
22 42 13 00-0102	EA	Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-4000)	454.17	56.13
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-30.45*	
22 42 13 00-0103	EA	Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-5000)	454.17	56.13
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-30.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 00-0104	EA	Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-7000)	549.51	56.13
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-41.32*	
22 42 13 00-0105	EA	Waterfree, Wall Hung, Stainless Steel Urinal (Falcon F-9000)	804.42	56.13
		For >1, Deduct	*-70.38*	
22 42 13 00-0106		Removal And Reinstallation Of Fixtures And Trim *(22 42 13)*		
		Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 13 00-0107	EA	Remove And Reinstall Wall Hung Water Closet With Tank	345.83	
22 42 13 00-0108	EA	Remove And Reinstall Wall Hung Water Closet With Flush Valve	345.83	
22 42 13 00-0109	EA	Remove And Reinstall Floor Mount Water Closet With Tank	266.83	
22 42 13 00-0110	EA	Remove And Reinstall Floor Mount Water Closet With Flush Valve	266.83	
22 42 13 00-0111	EA	Remove And Reinstall Wall Hung Urinal With Flush Valve	353.19	
22 42 13 00-0112		Stainless Steel Water Closets *(22 42 13)*		
22 42 13 00-0113	EA	Wall Hung Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2105-T-1-HS)	2,503.75	168.38
22 42 13 00-0114	EA	Floor Mounted Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2120-T-3-HS)	2,638.05	168.38
22 42 13 00-0115		Stainless Steel Urinals *(22 42 13)*		
22 42 13 00-0116	EA	Wall Hung Urinal, Stainless Steel, Blowout Jet (Acorn 2160-T-1)	2,579.29	168.38
22 42 13 00-0117	EA	5' Wall Hung Trough Urinal, Stainless Steel With Strainer And Washdown Pipe (Elkay EU6014C)	3,343.87	205.80
22 42 13 00-0118		Fixture Carriers *(22 42 13)*		
22 42 13 00-0119		Water Closet Carriers *(22 42 13 00-0118)*		
22 42 13 00-0120		Pipe Grip Adaptor Type, Water Closet Carriers *(22 42 13 00-0119)*		
		Note: Includes coated cast iron construction, plated hardware and adjustable feet. Excludes waste piping and fittings.		
22 42 13 00-0121	EA	Pipe Grip Adaptor Type, Water Closet Carrier	364.42	39.52
22 42 13 00-0122		No-Hub, Water Closet Carriers *(22 42 13 00-0119)*		
		Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.		
22 42 13 00-0123	EA	Vertical Close With Offset, No-Hub, Single Water Closet Carrier	555.27	39.52
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-46.82*	
		For Positioning Frame, Add	*31.16*	
		For Supply Pipe Support, Add	*31.86*	
		For Vandal Proof Trim, Add	*39.85*	
		For Auxiliary Inlet, Add	*135.11*	
		For Special Duty 500 LB Carrier, Add	*222.31*	
22 42 13 00-0124	EA	Vertical Close On Stack, No-Hub, Single Water Closet Carrier	555.27	39.52
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-46.82*	
		For Positioning Frame, Add	*31.16*	
		For Supply Pipe Support, Add	*31.86*	
		For Vandal Proof Trim, Add	*39.85*	
		For Auxiliary Inlet, Add	*135.11*	
		For Special Duty 500 LB Carrier, Add	*222.31*	
22 42 13 00-0125	EA	Horizontal Adjustable, No-Hub, Single Water Closet Carrier	604.91	39.52
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-46.82*	
		For Positioning Frame, Add	*31.16*	
		For Supply Pipe Support, Add	*31.86*	
		For Vandal Proof Trim, Add	*39.85*	
		For Auxiliary Inlet, Add	*135.11*	
		For Horizontal No Hub Cast Long Barrel, Add	*137.11*	
		For Carrier For Wide Chase Installations, Add	*183.43*	
		For Special Duty 1,000 LB Carrier, Add	*222.32*	
22 42 13 00-0126	EA	Vertical Adjustable On Stack, No-Hub, Single Water Closet Carrier	668.53	39.52
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-46.82*	
		For Positioning Frame, Add	*31.16*	
		For Supply Pipe Support, Add	*31.86*	
		For Vandal Proof Trim, Add	*39.85*	
		For 4" Branch, Add	*105.65*	
		For Auxiliary Inlet, Add	*135.11*	
		For Carrier For Wide Chase Installations, Add	*183.43*	
		For Double 4" Branches, Add	*212.01*	
		For Special Duty 1,000 LB Carrier, Add	*222.32*	
22 42 13 00-0127	EA	Vertical Close With Offset, No-Hub, Double Water Closet (Back To Back) Carrier	921.10	58.00
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-93.67*	
		For Positioning Frame, Add	*67.93*	
		For Supply Pipe Support, Add	*69.33*	
		For Vandal Proof Trim, Add	*79.71*	
		For Auxiliary Inlet, Add	*146.33*	
		For Special Duty 500 LB Carrier, Add	*444.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 00-0128	EA	Vertical Close On Stack, No-Hub, Double Water Closet (Back To Back) Carrier	946.27	58.00
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-93.67*	
		For Positioning Frame, Add	*67.93*	
		For Supply Pipe Support, Add	*69.33*	
		For Vandal Proof Trim, Add	*79.71*	
		For Auxiliary Inlet, Add	*146.33*	
		For Special Duty 500 LB Carrier, Add	*444.62*	
22 42 13 00-0129	EA	Vertical Adjustable On Stack, No-Hub, Double Water Closet (Back To Back) Carrier	1,146.91	58.00
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-93.67*	
		For Positioning Frame, Add	*67.93*	
		For Supply Pipe Support, Add	*69.33*	
		For Vandal Proof Trim, Add	*79.71*	
		For 4" Branch, Add	*111.27*	
		For Auxiliary Inlet, Add	*146.33*	
		For Double 4" Branches, Add	*223.23*	
		For Carrier For Wide Chase Installations, Add	*400.55*	
		For Special Duty 1,000 LB Carrier, Add	*444.63*	
22 42 13 00-0130	EA	Horizontal Adjustable, No-Hub, Double Water Closet (Back To Back) Carrier	1,081.19	58.00
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-93.67*	
		For Positioning Frame, Add	*67.93*	
		For Supply Pipe Support, Add	*69.33*	
		For Vandal Proof Trim, Add	*79.71*	
		For Horizontal No Hub Cast Long Barrel, Add	*142.73*	
		For Carrier For Wide Chase Installations, Add	*400.55*	
		For Special Duty 1,000 LB Carrier, Add	*444.63*	

22 42 13 00-0131 Hub And Spigot, Water Closet Carriers *(22 42 13 00-0119)*

Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.

22 42 13 00-0132	EA	Vertical Close With Offset, Hub And Spigot, Single Water Closet Carrier	555.27	39.52
		For Positioning Frame, Add	*31.16*	
		For Supply Pipe Support, Add	*31.86*	
		For Vandal Proof Trim, Add	*39.85*	
		For Hanger Type Closet Adapter, Add	*99.97*	
		For Auxiliary Inlet, Add	*135.11*	
22 42 13 00-0133	EA	Vertical Close On Stack, Hub And Spigot, Single Water Closet Carrier	555.27	39.52
		For Positioning Frame, Add	*31.16*	
		For Supply Pipe Support, Add	*31.86*	
		For Vandal Proof Trim, Add	*39.85*	
		For Auxiliary Inlet, Add	*135.11*	
		For Special Duty 500 LB Carrier, Add	*222.31*	
22 42 13 00-0134	EA	Vertical Adjustable On Stack, Hub And Spigot, Single Water Closet Carrier	692.29	39.52
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-46.82*	
		For Positioning Frame, Add	*31.16*	
		For Supply Pipe Support, Add	*31.86*	
		For Vandal Proof Trim, Add	*39.85*	
		For 4" Branch, Add	*105.65*	
		For Auxiliary Inlet, Add	*135.11*	
		For Carrier For Wide Chase Installations, Add	*183.43*	
		For Double 4" Branches, Add	*212.01*	
		For Special Duty 1,000 LB Carrier, Add	*222.32*	
22 42 13 00-0135	EA	Vertical Close With Offset, Hub And Spigot, Double Water Closet (Back To Back) Carrier	921.10	58.00
		For Positioning Frame, Add	*67.93*	
		For Supply Pipe Support, Add	*69.33*	
		For Vandal Proof Trim, Add	*79.71*	
		For Auxiliary Inlet, Add	*146.33*	
		For Hanger Type Closet Adapter, Add	*199.94*	
22 42 13 00-0136	EA	Vertical Adjustable On Stack, Hub And Spigot, Double Water Closet (Back To Back) Carrier	1,170.68	58.00
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-93.67*	
		For Positioning Frame, Add	*67.93*	
		For Supply Pipe Support, Add	*69.33*	
		For Vandal Proof Trim, Add	*79.71*	
		For 4" Branch, Add	*111.27*	
		For Auxiliary Inlet, Add	*146.33*	
		For Double 4" Branches, Add	*223.23*	
		For Carrier For Wide Chase Installations, Add	*400.55*	
		For Special Duty 1,000 LB Carrier, Add	*444.63*	

22 42 13 00-0137 Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Water Closet Carriers

(22 42 13 00-0119)

Note: Includes coated cast iron construction, plastic fitting adaptor with extension and plated hardware.

22 42 13 00-0138	EA	Vertical On Stack, Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Single Water Closet Carrier	432.93	39.52
		For Positioning Frame, Add	*31.16*	
		For Supply Pipe Support, Add	*31.86*	
		For Vandal Proof Trim, Add	*39.85*	
		For Hanger Type Closet Adapter, Add	*99.97*	

22 42 13 00-0139 Institutional Water Closet Carriers *(22 42 13 00-0119)*

Note: Includes coated cast iron construction, ABS extension with integral test cap, buttress feet, plated hardware and neoprene fixture gasket.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 00-0140	EA	Vertical On Stack, No-Hub, 90 Degree Institutional, Double Waste Fitting With Vent And Carrier, Water Closet Carrier	1,495.07	58.00
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-93.67*	
		For Positioning Frame, Add	*67.93*	
		For Supply Pipe Support, Add	*69.33*	
		For Vandal Proof Trim, Add	*79.71*	
		For Auxiliary Inlet, Add	*146.33*	

22 42 13 00-0141 Urinal Carriers *(22 42 13 00-0118)*

22 42 13 00-0142 Floor Mounted, Urinal Carriers *(22 42 13 00-0141)*

Note: Includes adjustable supporting rods, structural uprights and welded feet.

22 42 13 00-0143	EA	Floor Mounted Hanger Plate Type, Single Urinal Carrier	315.42	28.44
		For Up To 4" Extension Sleeves And Hardware, Add	*14.68*	
22 42 13 00-0144	EA	Floor Mounted Bearing Plate Type, Single Urinal Carrier	341.98	28.44
		For Up To 4" Extension Sleeves And Hardware, Add	*14.68*	

22 42 13 00-0145 Wall Mounted, Urinal Carriers *(22 42 13 00-0141)*

Note: Includes wall plate and adjustable supporting rods.

22 42 13 00-0146	EA	Wall Mounted Hanger Plate Type, Single Urinal Carrier	149.73	28.44
		For Up To 6-1/2" Extension Sleeves And Hardware, Add	*14.68*	

22 42 16 Commercial Lavatories And Sinks *(22 42)*

22 42 16 00-0001 Lavatories *(22 42 16)*

Note: Includes trap, drain and supply valves. Excludes faucets. See CSI section 22 42 39 00-0000 for faucets.

22 42 16 00-0002 Wall Hung Lavatories *(22 42 16 00-0001)*

22 42 16 00-0003	EA	19" x 17" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™)	445.36	50.14
22 42 16 00-0004	EA	20" x 18" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™)	467.97	50.14
22 42 16 00-0005	EA	22" x 19" Porcelain Enameled Cast Iron Wall Hung Lavatory (Kohler® Hampton™)	610.68	50.14
22 42 16 00-0006	EA	18" x 16" Vitreous China Wall Hung Lavatory (American Standard Penlyn™)	404.15	50.14
22 42 16 00-0007	EA	19" x 17" Vitreous China Wall Hung Lavatory (American Standard Declyn™)	340.99	50.14
22 42 16 00-0008	EA	20" x 18" Vitreous China Wall Hung Lavatory (American Standard Roxalyn™)	414.78	50.14
22 42 16 00-0009	EA	20" x 18" Vitreous China Wall Hung Lavatory (Kohler® Soho®)	444.99	50.14
22 42 16 00-0010	EA	20" x 18" Vitreous China Wall Hung Lavatory (American Standard Lucerne™)	359.61	50.14
22 42 16 00-0011	EA	27" x 20" Wheelchair Accessible, Vitreous China Wall Hung Lavatory (American Standard Wheel Chair Users)	533.78	50.14

22 42 16 00-0012 Countertop Lavatories *(22 42 16 00-0001)*

22 42 16 00-0013	EA	20" x 18" Oval Vitreous China Countertop Lavatory (Kohler® Pennington® K-2196-1L)	389.36	60.62
22 42 16 00-0014	EA	21" x 18" Vitreous China Countertop Lavatory (American Standard Cadet™ Oval)	397.46	60.62
22 42 16 00-0015	EA	19" Diameter Enameled Steel Countertop Lavatory (American Standard Colony Round™)	366.21	60.62
22 42 16 00-0016	EA	19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Farmington™)	419.99	60.62
22 42 16 00-0017	EA	19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Ellington™)	444.00	60.62
22 42 16 00-0018	EA	22" x 19" Enameled Cast Iron Countertop Lavatory (Kohler® Providence®)	552.24	65.48
22 42 16 00-0019	EA	24" x 18" Enameled Cast Iron Countertop Lavatory (Kohler® Thoreau®)	576.94	65.48

22 42 16 00-0020 Undercounter Lavatories *(22 42 16 00-0001)*

22 42 16 00-0021	EA	15" x 12" Vitreous China Undercounter Lavatory (American Standard Ovalyn™)	400.95	60.62
22 42 16 00-0022	EA	17" x 14" Vitreous China Undercounter Lavatory (American Standard Ovalyn™)	371.04	60.62
22 42 16 00-0023	EA	19" x 16" Vitreous China Undercounter Lavatory (American Standard Ovalyn™)	371.04	60.62
22 42 16 00-0024	EA	21" x 17" Vitreous China Undercounter Lavatory (American Standard Ovalyn™)	407.25	60.62
22 42 16 00-0025	EA	15" x 12" Oval Vitreous China Undercounter Lavatory (Kohler® Caxton®)	383.91	60.62
22 42 16 00-0026	EA	17" x 14" Oval Vitreous China Undercounter Lavatory (Kohler® Caxton®)	378.40	60.62
22 42 16 00-0027	EA	19" x 15" Oval Vitreous China Undercounter Lavatory (Kohler® Caxton®)	384.01	60.62
22 42 16 00-0028	EA	21" x 17" Oval Vitreous China Undercounter Lavatory (Crane Tiara™)	367.11	60.62
22 42 16 00-0029	EA	18" x 12" Rectangular Vitreous China Undercounter Lavatory (Kohler® Ladena®)	507.87	60.62
22 42 16 00-0030	EA	21" x 14" Rectangular Vitreous China Undercounter Lavatory (Kohler® Ladena®)	507.87	60.62

22 42 16 00-0031 Pedestal Lavatories *(22 42 16 00-0001)*

22 42 16 00-0032	EA	19" x 21" x 34" High Vitreous China Pedestal Sink (American Standard Colony™)	425.54	144.06

22 42 16 00-0033 Pre-Molded Culture Marble Lavatory Vanity *(22 42 16 00-0001)*

Note: Includes splash. Single sink, center or offset. Bowl is either oval, shell shape or rectangular.

22 42 16 00-0034	EA	17" x 20" Pre-Molded Culture Marble Vanity Top With Lavatory	193.27	46.77
		For Colored Fixtures, Add	*28.92*	
22 42 16 00-0035	EA	18" x 24" Pre-Molded Culture Marble Vanity Top With Lavatory	234.87	56.13
		For Colored Fixtures, Add	*35.57*	
22 42 16 00-0036	EA	18" x 30" Pre-Molded Culture Marble Vanity Top With Lavatory	257.25	59.87
		For Colored Fixtures, Add	*39.89*	
22 42 16 00-0037	EA	18" x 36" Pre-Molded Culture Marble Vanity Top With Lavatory	276.21	63.61
		For Colored Fixtures, Add	*43.21*	
22 42 16 00-0038	EA	19" x 25" Pre-Molded Culture Marble Vanity Top With Lavatory	240.61	56.13
		For Colored Fixtures, Add	*37.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 00-0039	EA	19" x 31" Pre-Molded Culture Marble Vanity Top With Lavatory	260.67	59.87
		For Colored Fixtures, Add	*40.88*	
22 42 16 00-0040	EA	19" x 37" Pre-Molded Culture Marble Vanity Top With Lavatory	278.49	63.61
		For Colored Fixtures, Add	*43.88*	
22 42 16 00-0041	EA	19" x 43" Pre-Molded Culture Marble Vanity Top With Lavatory	310.88	65.48
		For Colored Fixtures, Add	*52.19*	
22 42 16 00-0042	EA	19" x 49" Pre-Molded Culture Marble Vanity Top With Lavatory	337.57	67.36
		For Colored Fixtures, Add	*58.84*	
22 42 16 00-0043	EA	22" x 25" Pre-Molded Culture Marble Vanity Top With Lavatory	263.53	56.13
		For Colored Fixtures, Add	*43.88*	
22 42 16 00-0044	EA	22" x 31" Pre-Molded Culture Marble Vanity Top With Lavatory	299.64	59.87
		For Colored Fixtures, Add	*52.19*	
22 42 16 00-0045	EA	22" x 37" Pre-Molded Culture Marble Vanity Top With Lavatory	318.61	63.61
		For Colored Fixtures, Add	*55.51*	
22 42 16 00-0046	EA	22" x 43" Pre-Molded Culture Marble Vanity Top With Lavatory	340.68	65.48
		For Colored Fixtures, Add	*60.83*	
22 42 16 00-0047	EA	22" x 49" Pre-Molded Culture Marble Vanity Top With Lavatory	360.49	67.36
		For Colored Fixtures, Add	*65.48*	
22 42 16 00-0048	EA	22" x 55" Pre-Molded Culture Marble Vanity Top With Lavatory	386.31	71.09
		For Colored Fixtures, Add	*70.80*	
22 42 16 00-0049		**Stainless Steel Lavatories** *(22 42 16 00-0001)*		
22 42 16 00-0050	EA	18" x 15" Wall Mounted Lavatory, Stainless Steel (Acorn 1950-1)	1,292.39	130.97
22 42 16 00-0051		**Solid Surface Multi-Station Lavatory Systems** *(22 42 16 00-0001)*		
		Note: ADA compliant. Includes integral faucets.		
22 42 16 00-0052	EA	2 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-2)	3,488.72	108.18
		For Integral Liquid Soap Dispenser, Add	*171.00*	
		For Integral Photovoltaic Power Panels, Add	*563.00*	
22 42 16 00-0053	EA	3 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-3)	5,095.31	108.18
		For Integral Liquid Soap Dispenser, Add	*171.00*	
		For Integral Photovoltaic Power Panels, Add	*657.00*	
22 42 16 00-0054	EA	12" Length, Solid Surface Countertop Extension (Bradley MG-EXT-12)	247.05	36.07
22 42 16 00-0055	EA	18" Length, Solid Surface Countertop Extension (Bradley MG-EXT-18)	302.36	36.07
22 42 16 00-0056	EA	36" Length, Solid Surface Countertop Extension (Bradley MG-EXT-36)	584.04	36.07
22 42 16 00-0057		**Sinks** *(22 42 16)*		
		Note: Includes drain, trap and supply valves. Excludes faucets. See CSI section 22 42 39 00-0000 for faucets.		
22 42 16 00-0058		**Kitchen Sinks** *(22 42 16 00-0057)*		
22 42 16 00-0059	EA	25" x 22" x 8-3/4" Enameled Cast Iron Kitchen Sink, Single Bowl (Kohler® Mayfield®)	492.41	70.35
22 42 16 00-0060	EA	22" x 33" x 8-5/8" Enameled Cast Iron Kitchen Sink, Double Bowl (Kohler® Brookfield®)	582.42	80.08
22 42 16 00-0061	EA	15" x 17" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1517)	617.74	68.85
		For 18 Gauge, Add	*168.55*	
22 42 16 00-0062	EA	17" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1722)	636.48	68.85
		For 18 Gauge, Add	*177.92*	
22 42 16 00-0063	EA	22" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2222)	678.66	68.85
		For 18 Gauge, Add	*199.01*	
22 42 16 00-0064	EA	25" x 22" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2522)	715.75	70.35
		For 18 Gauge, Add	*213.07*	
22 42 16 00-0065	EA	31" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR3122)	928.66	80.08
		For 18 Gauge, Add	*305.24*	
22 42 16 00-0066	EA	33" x 21" x 7-1/2" Stainless Steel Kitchen Sink, Double Bowl, 20 Gauge (Elkay PSR3321)	951.24	80.08
		For 18 Gauge, Add	*316.40*	
22 42 16 00-0067	EA	33" x 22" x 8" Stainless Steel Kitchen Sink, Double Bowl, 18 Gauge (Elkay LR3322)	1,250.40	80.08
22 42 16 00-0068	EA	15" x 17" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR151710)	921.58	68.85
22 42 16 00-0069	EA	17" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR172210)	942.67	68.85
22 42 16 00-0070	EA	22" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR222210)	995.79	68.85
22 42 16 00-0071	EA	25" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR252210)	1,066.46	70.35
22 42 16 00-0072	EA	31" x 22" x 11-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR312210)	1,310.62	80.08
22 42 16 00-0073		**Undermount Kitchen Sinks** *(22 42 16 00-0057)*		
22 42 16 00-0074	EA	21" x 15" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU2115) With Strainer (Elkay LK99)	875.52	68.85
22 42 16 00-0075	EA	21" x 15" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU211510) With Strainer (Elkay LK99)	873.24	68.85
22 42 16 00-0076	EA	21" x 15" x 7-1/2" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH2115) With Strainer (Elkay LK99)	883.33	68.85
22 42 16 00-0077	EA	21" x 15" x 10" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH211510) With Strainer (Elkay LK99)	936.45	68.85
22 42 16 00-0078		**Multi-Station Wash Sink, Wall Mounted** *(22 42 16 00-0057)*		
		Note: Includes concealed wall hanger, soap dish(s), strainer, supply lines and P-Trap. Excludes faucets.		
22 42 16 00-0079	EA	36" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™)	1,667.83	121.61
		Note: Excludes faucets.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 00-0080	EA	48" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™) Note: Excludes faucets.	2,260.95	130.97
22 42 16 00-0081	EA	60" Wide, 3 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™) Note: Excludes faucets.	2,609.84	140.31
22 42 16 00-0082	EA	72" Wide, 3 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™) Note: Excludes faucets.	2,855.98	149.67
22 42 16 00-0083	EA	48" Wide, 2 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951) Note: Excludes faucets.	1,847.33	93.55
22 42 16 00-0084	EA	62" Wide, 3 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951) Note: Excludes faucets.	2,051.93	102.90
22 42 16 00-0085	EA	80" Wide, 4 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951) Note: Excludes faucets.	2,252.32	112.25
22 42 16 00-0086	EA	102" Wide, 5 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951) Note: Excludes faucets.	2,498.71	126.28
22 42 16 00-0087	EA	27" Diameter, 2 Person, Stainless Steel, Sensor Operated Compact Wash Fountain Note: Includes sensor operated spray heads.	2,422.61	205.80
22 42 16 00-0088		**Laundry Sinks** *(22 42 16 00-0057)*		
22 42 16 00-0089	EA	23" x 21" Molded Stone Single Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FL-1)	431.84	80.08
22 42 16 00-0090	EA	40" x 24" Molded Stone Double Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FLTD-II)	526.90	80.08
22 42 16 00-0091	EA	22" x 17" Molded Stone Single Laundry Sink, Drop-In (Fiat Products DL1)	430.12	80.08
22 42 16 00-0092	EA	24" x 21" Enameled Cast Iron Single Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2210)	766.10	80.08
22 42 16 00-0093	EA	48" x 21" Enameled Cast Iron Double Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2220)	1,165.26	89.80
22 42 16 00-0094		**Refinish Sink/Lavatory** *(22 42 16 00-0057)*		
22 42 16 00-0095	EA	Refinish Sink/Lavatory	179.10	
22 42 16 00-0096		**Service Sinks** *(22 42 16 00-0057)*		
22 42 16 00-0097	EA	22" x 18" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Lakewell™)	821.56	120.49
22 42 16 00-0098	EA	24" x 20" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Akron™)	873.42	120.49
22 42 16 00-0099	EA	28" x 28" Enameled Cast Iron Floor Type Corner Service Sink With Removable Vinyl Coated Rim Guard (American Standard Florwell™)	1,139.50	159.40
22 42 16 00-0100	EA	12" x 12" x 10" Cast Iron Floor Sink With Dome Strainer And Full Grate (Zurn FD2377-PO3-F)	383.71	112.25
22 42 16 00-0101	EA	24" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB2424)	532.97	112.25
22 42 16 00-0102	EA	36" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB3624)	582.53	134.70
22 42 16 00-0103	EA	24" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2424-010)	485.54	112.25
22 42 16 00-0104	EA	36" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2436-010)	548.50	134.70
22 42 16 00-0105	EA	24" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-24)	553.90	112.25
22 42 16 00-0106	EA	36" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-3624)	681.76	134.70
22 42 16 00-0107		**Stainless Steel Sink And Drainboard** *(22 42 16 00-0057)*		
22 42 16 00-0108	EA	24" x 24" Stainless Steel Sink With One Compartment And Drainboard , 14 Gauge Stainless Steel With Tubular Adjustable Legs (Advance Tabco 94-41-24-24L)	2,583.43	187.09
22 42 16 00-0109		**Soapstone Sinks** *(22 42 16 00-0057)*		
22 42 16 00-0110	EA	26-1/2" x 18-1/2" x 7-3/4" Single Bowl Soapstone Sink	948.86	68.85
22 42 16 00-0111	SF	Soapstone Sink Backsplash	149.00	
22 42 16 00-0112	EA	30" x 18-1/2" x 10" Single Bowl Soapstone Sink	1,223.54	80.08
22 42 16 00-0113	EA	36" x 18-1/2" x 10" Double Bowl Soapstone Sink	1,451.63	80.08
22 42 16 00-0114		**Fixture Carriers** *(22 42 16)*		
22 42 16 00-0115		**Lavatory Carriers** *(22 42 16 00-0114)*		
22 42 16 00-0116		**Floor Mounted, Lavatory Carriers** *(22 42 16 00-0115)*		
22 42 16 00-0117		**Floor Mounted Plate Type, Lavatory Carriers** *(22 42 16 00-0116)* Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 42 16 00-0118	EA	Floor Mounted Hanger Plate Type, Single Lavatory Carrier	315.42	28.44
		For Up To 4" Extension Sleeves And Hardware, Add	*14.68*	
		For Valve Plate For Attaching To Upright, Add	*53.42*	
		For Corner Carrier, Add	*104.05*	
22 42 16 00-0119	EA	Floor Mounted Bearing Plate Type, Single Lavatory Carrier	341.98	28.44
		For Up To 4" Extension Sleeves And Hardware, Add	*14.68*	
		For Valve Plate For Attaching To Upright, Add	*53.42*	
22 42 16 00-0120	EA	Floor Mounted Hanger Plate Type, Double Lavatory (Back To Back) Carrier	388.82	28.44
		For Up To 4" Extension Sleeves And Hardware, Add	*29.36*	
		For Valve Plate For Attaching To Upright, Add	*106.84*	
22 42 16 00-0121	EA	Floor Mounted Bearing Plate Type, Double Lavatory (Back To Back) Carrier	442.65	28.44
		For Up To 4" Extension Sleeves And Hardware, Add	*29.36*	
		For Valve Plate For Attaching To Upright, Add	*106.84*	

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22 42 16 00-0122		**Floor Mounted, Lavatory Carriers With Arms** *(22 42 16 00-0116)* Note: Includes leveling and securing screws, structural uprights and welded feet.		
22 42 16 00-0123	EA	Floor Mounted, Single Lavatory Carrier With Concealed Arms	403.78	33.67
		For Up To 6-1/2" Extension Sleeves And Hardware, Add	*14.68*	
		For Concealed Arm Carrier For Wheelchair Lavatory, Add	*20.28*	
		For Valve Plate For Attaching To Upright, Add	*54.92*	
		For 2" Chrome Plated Escutcheons, Add	*49.64*	
		For 4" Or 6" Chrome Plated Escutcheons, Add	*90.18*	
22 42 16 00-0124	EA	Floor Mounted, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms	532.42	33.67
		For Up To 4-1/2" Extension Sleeves And Hardware, Add	*14.68*	
		For Vandal Proof Trim, Add	*39.85*	
		For Valve Plate For Attaching To Upright, Add	*54.92*	
		For Heavy Duty Carrier, Add	*51.03*	
22 42 16 00-0125	EA	Floor Mounted, Double Lavatory (Back To Back) Carrier With Concealed Arms	531.71	33.67
		For Up To 6-1/2" Extension Sleeves And Hardware, Add	*29.36*	
		For Concealed Arm Carrier For Wheelchair Lavatory, Add	*40.55*	
		For Valve Plate For Attaching To Upright, Add	*109.83*	
		For 2" Chrome Plated Escutcheons, Add	*99.27*	
		For 4" Or 6" Chrome Plated Escutcheons, Add	*180.37*	
22 42 16 00-0126	EA	Floor Mounted, Double Lavatory (Back To Back) Carrier With Exposed Acid Resistant White Coated Arms	777.80	33.67
		For Up To 4-1/2" Extension Sleeves And Hardware, Add	*29.36*	
		For Vandal Proof Trim, Add	*79.71*	
		For Valve Plate For Attaching To Upright, Add	*109.83*	
		For Heavy Duty Carrier, Add	*102.06*	
22 42 16 00-0127		**Wall Mounted, Lavatory Carriers** *(22 42 16 00-0115)*		
22 42 16 00-0128		**Wall Mounted Plate Type, Lavatory Carriers** *(22 42 16 00-0127)* Note: Includes wall plate and adjustable supporting rods.		
22 42 16 00-0129	EA	Wall Mounted Hanger Plate Type, Single Lavatory Carrier	149.73	28.44
		For Double Plate Carrier, Add	*42.38*	
22 42 16 00-0130		**Wall Mounted Plate Type, Lavatory Carriers With Arms** *(22 42 16 00-0127)* Note: Includes wall plate and leveling and securing screws.		
22 42 16 00-0131	EA	Wall Mounted Fixed Steel Plate Type, Single Lavatory Carrier With Concealed Arms	240.89	33.67
		For Up To 4" Extension Sleeves And Hardware, Add	*14.68*	
		For 2" Chrome Plated Escutcheons, Add	*49.64*	
22 42 16 00-0132	EA	Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Concealed Arms	280.04	33.67
		For Movable Mounting Brackets, Deduct	*-37.75*	
		For Up To 4" Extension Sleeves And Hardware, Add	*14.68*	
		For 2" Chrome Plated Escutcheons, Add	*49.64*	
		For 4" Or 6" Chrome Plated Escutcheons, Add	*90.18*	
22 42 16 00-0133	EA	Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms	400.99	33.67
		For Up To 4-1/2" Extension Sleeves And Hardware, Add	*14.68*	
		For Vandal Proof Trim, Add	*39.85*	
22 42 16 00-0134		**Sink Carriers** *(22 42 16 00-0114)*		
22 42 16 00-0135		**Floor Mounted, Sink Carriers** *(22 42 16 00-0134)* Note: With support plates, adjustable coupling with 4" piping connection, mounting studs, structural uprights, welded feet and chrome plated trim.		
22 42 16 00-0136	EA	Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling	451.74	28.44
		For Vandal Proof Trim, Add	*39.85*	
		For Valve Plate For Attaching To Upright, Add	*53.42*	
22 42 16 00-0137	EA	Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling And 4" x 2" Waste Fitting	691.53	28.44
		For Vandal Proof Trim, Add	*39.85*	
		For Auxiliary Vent, Add	*119.84*	
22 42 16 00-0138	EA	Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With Exposed Acid Resistant White Coated Arms	862.12	28.44
		For Up To 4" Extension Sleeves And Hardware, Add	*30.06*	
		For Vandal Proof Trim, Add	*39.85*	
22 42 16 00-0139		**Removal And Reinstallation Of Fixtures And Trim** *(22 42 16)* Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 16 00-0140	EA	Remove And Reinstall Wall Hung Lavatory With Faucet	225.02	
22 42 16 00-0141	EA	Remove And Reinstall Wall Hung Service Sink With Faucet	306.67	
22 42 19		**Commercial Bathtubs** *(22 42)*		
22 42 19 00-0001		**Recessed Alcove Bathtubs** *(22 42 19)*		
22 42 19 00-0002		**Porcelain Enameled Cast Iron, Recessed Alcove Bathtubs** *(22 42 19 00-0001)*		
22 42 19 00-0003	EA	54" x 30-1/4" x 14", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Seaforth™)	1,335.90	208.04
22 42 19 00-0004	EA	60" x 30" x 14", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler Villager®)	680.65	208.04
22 42 19 00-0005	EA	60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Mendota®)	1,131.71	208.04
22 42 19 00-0006	EA	60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Dynametric®)	1,341.03	208.04
22 42 19 00-0007	EA	66" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Dynametric®)	1,751.69	208.04
22 42 19 00-0008	EA	66-1/4" x 32" x 16", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (American Standard Spectra™)	1,487.81	208.04

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 19 00-0009		Porcelain Enameled Steel, Recessed Alcove Bathtubs *(22 42 19 00-0001)*		
22 42 19 00-0010	EA	46-1/2" x 27" x 15-1/2", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard Huron™)	668.13	208.04
22 42 19 00-0011	EA	54" x 30" x 15", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard Mackenzie™)	656.16	208.04
22 42 19 00-0012	EA	60" x 30" x 14-1/4", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Salem®)	541.82	208.04
22 42 19 00-0013	EA	60" x 30" x 16-5/8", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Solar®)	556.44	208.04
22 42 19 00-0014		Porcelain Finished Metal Alloy, Recessed Alcove Bathtubs *(22 42 19 00-0001)*		
22 42 19 00-0015	EA	60" x 32" x 17-3/4", Porcelain Finished Metal Alloy, Recessed Alcove Bathtub (American Standard Cambridge™)	844.29	208.04
22 42 19 00-0016		Acrylic, Recessed Alcove Bathtubs *(22 42 19 00-0001)*		
22 42 19 00-0017	EA	60" x 32" x 19", Acrylic, Recessed Alcove Bathtub (Kohler® Archer®)	871.95	208.04
22 42 19 00-0018	EA	60" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®)	1,048.73	208.04
22 42 19 00-0019	EA	66" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®)	1,071.56	208.04
22 42 19 00-0020	EA	72" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®)	1,057.53	208.04
22 42 19 00-0021	EA	72" x 42" x 21", Acrylic, Recessed Alcove Bathtub (Kohler® Windward®)	1,108.01	208.04
22 42 19 00-0022		Bathtub Refinishing *(22 42 19 00-0001)*		
22 42 19 00-0023	EA	Refinish Porcelain Finished Bathtub With Acrylic Urethane Enamel	401.55	
22 42 19 00-0024		Tub And Shower Combinations *(22 42 19)*		
22 42 19 00-0025		Acrylic Tub And Shower Combination *(22 42 19 00-0024)*		
22 42 19 00-0026	EA	3 Piece, 62" x 30-1/2" x 88" Domed Acrylic Tub And Shower (Crane Plumbing A 6031.21)	1,273.05	77.89
		For 2 Piece Enclosure, Deduct	*-270.24*	
22 42 19 00-0027	EA	1 Piece, 59-7/8" x 34-1/2" x 79-5/8" Acrylic Tub And Shower (Aqua Glass 626036E)	993.38	77.89
		For 2 Piece Enclosure, Deduct	*-214.30*	
22 42 19 00-0028		Fiberglass Tub And Shower Combination *(22 42 19 00-0024)*		
22 42 19 00-0029	EA	1 Piece 60" x 32" x 72" Fiberglass Tub And Shower (Lasco 2603-SG)	714.81	77.89
22 42 19 00-0030	EA	2 Piece 60" x 30" x 72" Fiberglass Tub And Shower (Lasco 2603-2P)	578.47	51.93
22 42 19 00-0031	EA	4 Piece 60" x 32" x 75-1/2" Fiberglass Tub And Shower (Lasco 26030-4P)	1,140.31	117.56
22 42 19 00-0032	EA	3 Piece Tub/Shower Surrounds, 32" x 72" Side Walls, 48" x 72" Back, (Swanstone SK-324872)	1,845.05	248.80
		For 2 Piece Enclosure, Deduct	*-387.86*	
22 42 23		**Commercial Showers** *(22 42)*		
22 42 23 00-0001		Shower Enclosures *(22 42 23)*		
		Note: Includes precast concrete receptors. Excludes plumbing hook-up and door or curtain.		
22 42 23 00-0002		Stainless Steel Shower Enclosure *(22 42 23 00-0001)*		
22 42 23 00-0003	EA	36" x 36" x 82" Stainless Steel Interior And Exterior Shower Enclosure, Single Access Front Opening (Crane Plumbing, Fiat S86 Commander)	2,807.34	120.71
22 42 23 00-0004	EA	36" x 38" x 82" Stainless Steel Interior And Exterior Shower Enclosure, Double Access Walk Through (Crane Plumbing, Fiat S91 Commander)	2,807.34	120.71
22 42 23 00-0005	EA	37" x 37" x 82" Stainless Steel Interior And Exterior Shower Enclosure, Double Access Corner Opening (Crane Plumbing, Fiat S92 Commander)	2,807.34	120.70
22 42 23 00-0006	EA	38"x 38" x 82" Stainless Steel Interior And Exterior Shower Enclosure, Single Access Front Opening Corner (Crane Plumbing, Fiat S101 Commander)	2,807.34	120.70
22 42 23 00-0007		Powder Coated Or Baked Enamel Steel Shower Enclosure *(22 42 23 00-0001)*		
22 42 23 00-0008	EA	39" x 39" x 82" Baked Enamel Wonder Wall Steel Shower Enclosure (Crane Plumbing, Fiat S115 Commander)	3,312.65	120.70
22 42 23 00-0009	EA	39" x 48" x 82" Baked Enamel Wonder Wall Steel Shower Enclosure (Crane Plumbing, Fiat S125 Commander)	4,330.15	120.70
22 42 23 00-0010	EA	32" x 32" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	841.40	120.70
22 42 23 00-0011	EA	36" x 36" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	841.40	120.70
22 42 23 00-0012	EA	40" x 40" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	1,225.40	120.70
22 42 23 00-0013	EA	40" x 48" x 82" Handicapped, Baked Enamel Steel Shower Enclosure (General Partitions)	1,339.40	120.70
22 42 23 00-0014		Solid Plastic Core High Density Polymer (HDP) Shower Enclosure *(22 42 23 00-0001)*		
22 42 23 00-0015	EA	32" x 32" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions)	1,327.40	120.70
22 42 23 00-0016	EA	36" x 36" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions)	1,327.40	120.70
22 42 23 00-0017	EA	40" x 40" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions)	1,867.40	120.70
22 42 23 00-0018	EA	40" x 48" x 82" Handicapped, Solid Plastic Shower Enclosure (General Partitions)	2,077.40	120.70
22 42 23 00-0019		1 Piece Shower Units *(22 42 23)*		
22 42 23 00-0020	EA	1 Piece, 32" x 32" x 73" Fiberglass Shower With Drain (Swanstone FS03232)	651.71	77.89
22 42 23 00-0021	EA	1 Piece, 36" x 36" x 73" Fiberglass Shower With Drain (Swanstone FS03636)	719.56	77.89
22 42 23 00-0022		Personnel Type Shower Receptors *(22 42 23)*		

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22 42 23 00-0023		**Acrylic Shower Receptors** *(22 42 23 00-0022)*		
22 42 23 00-0024	EA	36" x 36" Acrylic Shower Receptor	342.60	30.49
22 42 23 00-0025	EA	42" x 42" Acrylic Shower Receptor	362.69	30.49
22 42 23 00-0026	EA	48" x 48" Acrylic Shower Receptor	402.82	30.49
22 42 23 00-0027	EA	60" x 60" Acrylic Shower Receptor	490.05	36.59
22 42 23 00-0028	EA	48" x 32" Acrylic Shower Receptor	343.54	30.49
22 42 23 00-0029	EA	48" x 36" Acrylic Shower Receptor	369.97	30.49
22 42 23 00-0030	EA	48" x 42" Acrylic Shower Receptor	419.14	30.49
22 42 23 00-0031	EA	60" x 30" Acrylic Shower Receptor	628.42	76.78
22 42 23 00-0032	EA	60" x 32" Acrylic Shower Receptor	465.04	36.59
22 42 23 00-0033	EA	60" x 36" Acrylic Shower Receptor	468.44	36.59
22 42 23 00-0034	EA	60" x 42" Acrylic Shower Receptor	471.56	36.59
22 42 23 00-0035	EA	60" x 48" Acrylic Shower Receptor	520.42	36.59
22 42 23 00-0036	EA	37-1/2" x 37-1/2" Acrylic Corner Shower Receptor	503.69	30.49
22 42 23 00-0037	EA	42" x 42" Acrylic Corner Shower Receptor	579.54	30.49
22 42 23 00-0038	EA	47-1/2" x 47-1/2" Acrylic Corner Shower Receptor	892.73	72.95
22 42 23 00-0039		**Molded Stone Shower Receptors** *(22 42 23 00-0022)*		
22 42 23 00-0040	EA	32" x 32" Molded Stone Shower Receptor (Crane/Fiat 32WL)	225.73	30.49
22 42 23 00-0041	EA	34" x 34" Molded Stone Shower Receptor (Crane/Fiat 34WL)	237.07	30.49
22 42 23 00-0042	EA	36" x 36" Molded Stone Shower Receptor (Crane/Fiat 36WL)	238.33	30.49
22 42 23 00-0043	EA	42" x 42" Molded Stone Shower Receptor (Crane/Fiat 4242WL)	294.40	30.49
22 42 23 00-0044	EA	42" x 34" Molded Stone Shower Receptor (Crane/Fiat 42WL)	260.38	30.49
22 42 23 00-0045	EA	48" x 32" Molded Stone Shower Receptor (Crane/Fiat 4832WL)	276.13	30.49
22 42 23 00-0046	EA	48" x 34" Molded Stone Shower Receptor (Crane/Fiat 48WL)	278.02	30.49
22 42 23 00-0047	EA	54" x 34" Molded Stone Shower Receptor (Crane/Fiat 54WL)	321.65	36.59
22 42 23 00-0048	EA	60" x 34" Molded Stone Shower Receptor (Crane/Fiat 60WL)	333.62	36.59
22 42 23 00-0049	EA	36" x 36" Molded Stone Corner Shower Receptor (Crane/Fiat 36WLC)	263.53	30.49
22 42 23 00-0050	EA	38" x 38" Molded Stone Corner Shower Receptor (Crane/Fiat 38WLC)	270.46	30.49
22 42 23 00-0051		**Precast Terrazzo Shower Receptors** *(22 42 23 00-0022)*		
22 42 23 00-0052	EA	30" x 30" Precast Terrazzo Shower Receptor	431.11	30.49
22 42 23 00-0053	EA	32" x 32" Precast Terrazzo Shower Receptor	448.12	30.49
22 42 23 00-0054	EA	34" x 34" Precast Terrazzo Shower Receptor	463.87	30.49
22 42 23 00-0055	EA	36" x 36" Precast Terrazzo Shower Receptor	465.76	30.49
22 42 23 00-0056	EA	40" x 40" Precast Terrazzo Shower Receptor	510.49	30.49
22 42 23 00-0057	EA	42" x 42" Precast Terrazzo Shower Receptor	533.17	30.49
22 42 23 00-0058	EA	48" x 48" Precast Terrazzo Shower Receptor	752.41	30.49
22 42 23 00-0059	EA	36" x 32" Precast Terrazzo Shower Receptor	460.09	30.49
22 42 23 00-0060	EA	42" x 32" Precast Terrazzo Shower Receptor	469.12	30.49
22 42 23 00-0061	EA	42" x 34" Precast Terrazzo Shower Receptor	485.29	30.49
22 42 23 00-0062	EA	42" x 36" Precast Terrazzo Shower Receptor	505.45	30.49
22 42 23 00-0063	EA	32" x 48" Precast Terrazzo Shower Receptor	507.34	30.49
22 42 23 00-0064	EA	48" x 34" Precast Terrazzo Shower Receptor	533.17	30.49
22 42 23 00-0065	EA	48" x 36" Precast Terrazzo Shower Receptor	552.07	30.49
22 42 23 00-0066	EA	54" x 32" Precast Terrazzo Shower Receptor	559.00	30.49
22 42 23 00-0067	EA	60" x 30" Precast Terrazzo Shower Receptor	756.75	36.59
22 42 23 00-0068	EA	60" x 32" Precast Terrazzo Shower Receptor	828.23	36.59
22 42 23 00-0069	EA	60" x 34" Precast Terrazzo Shower Receptor	831.74	36.59
22 42 23 00-0070	EA	60" x 36" Precast Terrazzo Shower Receptor	835.23	36.59
22 42 23 00-0071	EA	32" x 32" Precast Terrazzo Corner Shower Receptor	468.28	30.49
22 42 23 00-0072	EA	34" x 34" Precast Terrazzo Corner Shower Receptor	469.12	30.49
22 42 23 00-0073	EA	36" x 36" Precast Terrazzo Corner Shower Receptor	470.80	30.49
22 42 23 00-0074	EA	40" x 40" Precast Terrazzo Corner Shower Receptor	565.93	30.49
22 42 23 00-0075	EA	36" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,035.28	30.49
22 42 23 00-0076	EA	60" x 30", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,151.99	36.59
22 42 23 00-0077	EA	60" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,201.13	36.59
22 42 23 00-0078		**Shower Receptors Accessories** *(22 42 23 00-0022)*		
22 42 23 00-0079	SF	Polyvinyl Chloride (PVC) Shower Pan Liner	2.80	
22 42 23 00-0080		**Removal And Reinstallation Of Fixtures And Trim** *(22 42 23)*		
		Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 23 00-0081	EA	Remove And Reinstall Shower Head	36.59	

22 42 33 Wash Fountains *(22 42)*

22 42 33 00-0001		**Circular Wash Fountain, Deep Bowl** *(22 42 33)*		
		Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.		
22 42 33 00-0002	EA	36" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2705F-A-LSD)	6,104.62	126.21
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 33 00-0003	EA	36" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2805F-A-LSD)	4,661.10	126.21
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0004	EA	36" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3105AIRLSDE)	8,193.46	126.21
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0005	EA	54" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2708F-A-LSD)	7,777.20	144.24
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0006	EA	54" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2808F-A-LSD)	5,379.94	144.24
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0007	EA	54" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3108AIRLSDE)	9,826.03	144.24
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	

22 42 33 00-0008 Semi-Circular Wash Fountain, Deep Bowl *(22 42 33)*

Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.

22 42 33 00-0009	EA	36" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2703F-A-LSD)	5,325.82	108.18
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0010	EA	36" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2803F-A-LSD)	4,264.25	108.18
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0011	EA	36" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3103AIRLSDE)	6,197.47	108.18
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0012	EA	54" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2704F-A-LSD)	6,533.78	126.21
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0013	EA	54" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2804F-A-LSD)	5,150.70	126.21
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0014	EA	54" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3104AIRLSDE)	7,375.38	126.21
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	

22 42 39 Commercial Faucets, Supplies, And Trim *(22 42)*

22 42 39 00-0001 Kitchen Faucets *(22 42 39)*

22 42 39 00-0002	EA	Top Cast Kitchen Faucet, Single Handle, Chrome Finish (Delta 140-WF)	134.89	37.42
22 42 39 00-0003	EA	Top Cast Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 440-WF)	152.78	37.42
22 42 39 00-0004	EA	Top Cast Kitchen Faucet, Single Handle, Stainless Steel Finish (Delta Brilliance 140-SSWF)	160.45	37.42
22 42 39 00-0005	EA	Top Cast Kitchen Faucet With Spray, Single Handle, Stainless Steel Finish (Delta Brilliance 440 -SSWF)	182.33	37.42
22 42 39 00-0006	EA	Top Cast Kitchen Faucet, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2102-LHP+H24)	123.68	37.42
22 42 39 00-0007	EA	Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2402-LHP+H24)	137.26	37.42
22 42 39 00-0008	EA	Top Cast Kitchen Faucet, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 2176-LHP+H24)	170.77	37.42
22 42 39 00-0009	EA	Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 2476-LHP+H24)	192.97	37.42
22 42 39 00-0010	EA	Bottom Mount Kitchen Faucet, Single Handle, Chrome Finish (Delta 101-WF)	123.43	37.42
22 42 39 00-0011	EA	Bottom Mount Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 175-WF)	145.45	37.42
22 42 39 00-0012	EA	Bottom Mount Kitchen Faucet, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2274-LHP+H24)	237.58	37.42
22 42 39 00-0013	EA	Bottom Mount Kitchen Faucet With Spray, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2276-LHP+H24)	259.81	37.42
22 42 39 00-0014	EA	Wall Mount Kitchen Faucet, Two Handle, 11" Long Swing Spout (Delta 28T6943)	206.44	37.42
22 42 39 00-0015	EA	Wall Mount Kitchen Faucet, 8" Center, With 14" Double Joint Spout (Delta 28T4433)	182.49	37.42
22 42 39 00-0016	EA	Deck Mount Sink Faucet, 8" Center Set, Lever Handles (Chicago Faucet 1100 CP)	232.32	40.64
22 42 39 00-0017	EA	Deck Mount Sink Faucet, 8" Center Set, 4" Wristblade Handles (Chicago Faucet 1100-GN2AE3-317CP)	227.59	40.64
22 42 39 00-0018	EA	Chrome Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041CR)	444.52	37.42
22 42 39 00-0019	EA	Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041NK)	561.26	37.42
22 42 39 00-0020	EA	Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041RB)	600.17	37.42
22 42 39 00-0021	EA	Chrome Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041CR)	523.81	37.42
22 42 39 00-0022	EA	Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041NK)	664.04	37.42
22 42 39 00-0023	EA	Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041RB)	711.03	37.42

22 42 39 00-0024 Lavatory Faucets *(22 42 39)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0025	EA	Single Handle Centerset Lavatory Faucet, Polished Chrome Finish (Delta Lahara 538-MPU-DST)	151.69	26.94
22 42 39 00-0026	EA	4" Centerset Lavatory Faucet With Chrome Lever Handle (Delta 501-WF)	110.31	26.94
22 42 39 00-0027	EA	4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2521-LHP+H25)	135.43	26.94
22 42 39 00-0028	EA	4" Centerset Lavatory Gooseneck Faucet With Chrome Lever Handles (Delta 2530-LHP+H24)	147.96	26.94
22 42 39 00-0029	EA	Widespread Lavatory Faucet With Chrome Lever Handles (Delta 3543-LHP+H24)	180.31	26.94
22 42 39 00-0030	EA	Widespread Lavatory Gooseneck Faucet With Chrome Lever Handles (Delta 3530-LHP+H24)	209.04	26.94
22 42 39 00-0031	EA	Self Closing/Metered Faucet, Brass, Single Hole, Push Handle (Delta 86T104)	124.76	26.94
22 42 39 00-0032	EA	Self Closing/Metered Faucet, Double Hole, Push Handles (American Standard 1340.225.002)	173.84	26.94
22 42 39 00-0033	EA	Single Inlet, Push Handle Metering Faucet, ADA (Chicago Faucet 333-665)	157.08	26.94
22 42 39 00-0034	EA	Easy-Push Metering Faucet Wash-Up Fitting (Speakman S-4123)	152.07	26.94
22 42 39 00-0035	EA	Easy-Push Metering 4" Centerset Faucet (Speakman S-4141-LD)	249.17	26.94
22 42 39 00-0036	EA	Easy-Push Metering Widespread Faucet (Speakman S-4171-LD)	317.22	26.94
22 42 39 00-0037	EA	3" Reach, 4-Arm Handle Single Basin Faucet (T&S Brass 0710)	91.09	26.94
22 42 39 00-0038	EA	3" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0712)	132.05	26.94
22 42 39 00-0039	EA	4" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0805)	129.96	26.94
22 42 39 00-0040	EA	4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Zurn Z81104)	171.25	26.94

22 42 39 00-0041 Bath And Shower Faucets *(22 42 39)*

22 42 39 00-0042 Bath And Shower Faucets With Valve Body *(22 42 39 00-0041)*

22 42 39 00-0043	EA	Single Lever Handle Chrome Tub Filler, Pressure-Balance (American Standard T480 500)	139.05	32.47
22 42 39 00-0044	EA	Single Lever Handle, Chrome Shower Only, Pressure-Balance (American Standard T480.501)	156.62	32.47
22 42 39 00-0045	EA	Single Lever Handle, Chrome Shower And Tub Filler, Pressure-Balance (American Standard T480.502)	170.94	32.47
22 42 39 00-0046	EA	Two Lever Handle, Chrome Tub Filler (American Standard 3275.505)	126.74	32.47
		For Faucet With Metal Cross Handles, Add	*45.75*	
22 42 39 00-0047	EA	Two Lever Handle, Chrome Shower Only (American Standard 3275.501)	127.73	32.47
		For Faucet With Metal Cross Handles, Add	*45.75*	
22 42 39 00-0048	EA	Two Lever Handle, Chrome Shower And Tub Filler (American Standard 3275.502)	144.32	32.47
		For Faucet With Metal Cross Handles, Add	*45.75*	
22 42 39 00-0049	EA	Three Lever Handle, Chrome Shower And Tub Filler (American Standard 3375.502)	161.24	32.47
		For Faucet With Metal Cross Handles, Add	*45.75*	

22 42 39 00-0050 Shower Valves And Trim *(22 42 39)*

See CSI section 22 41 39 00-0011 for residential shower valves and heads.

22 42 39 00-0051	EA	Senior Institutional Shower Head (Symmons® 4-150)	141.70	32.47
22 42 39 00-0052	EA	Universal Institutional Shower Head (Symmons® 4-151)	215.40	32.47
22 42 39 00-0053	EA	Fre-Flo Institutional Shower Head (Symmons® 4-295)	155.20	32.47
22 42 39 00-0054	EA	Fre-Flo Institutional Shower Head With Short Arm (Symmons® 4-385)	119.91	32.47
22 42 39 00-0055	EA	Wall Mounted Shower Valve And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-300-B30-V-X)	409.48	48.64
22 42 39 00-0056	EA	Wall Mounted Shower Valve, Tub Faucet, And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-400-B30-V-X)	427.92	56.13
22 42 39 00-0057	EA	Wall Mounted Shower Valve, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-500-B30-V-X)	529.39	56.13
22 42 39 00-0058	EA	Wall Mounted Shower Valve, Tub Faucet, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-600-B30-V-X)	545.75	59.87
22 42 39 00-0059	EA	Removable Hand Held Shower With Hose Wall Hook And Inline Vacuum Breaker (Powers 141-318 with 141-319)	249.10	50.51
22 42 39 00-0060	EA	Concealed Thermostatic/Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 2502-600CP)	540.19	50.51
22 42 39 00-0061	EA	Concealed Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 1762-ISCP)	359.08	50.51
22 42 39 00-0062	EA	Stainless Steel Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-801S/1-802S)	669.10	50.51
		For Hand Spray, Hose And Wall Hooks, Add	*106.44*	
		For Recessed Soap Dish, Add	*108.12*	
		For Hand Spray, Hose And 30" Slide Bar, Add	*165.51*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0063	EA	Stainless Steel Corner Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-807)	789.53	50.51
		For Hand Spray, Hose And Wall Hooks, Add	*106.44*	
		For Recessed Soap Dish, Add	*108.12*	
		For Hand Spray, Hose And 30" Slide Bar, Add	*165.51*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0064	EA	Stainless Steel Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S)	543.96	50.51
		For Hand Spray, Hose And Wall Hooks, Add	*19.32*	
		For Hand Spray, Hose And 30" Slide Bar, Add	*78.39*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0065	EA	Stainless Steel Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-911RS)	806.97	50.51
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0066	EA	Stainless Steel Double Outlet Institutional Shower System With Thru-Ceiling Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-902S-FS)	825.55	50.51
		For Hand Spray, Hose And 30" Slide Bar, Add	*59.07*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0067	EA	Stainless Steel Institutional Triple Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-931)	1,569.82	50.51
		For Recessed Soap Dish, Add	*83.94*	
		For Pressure Balance And Metering Combination, Add	*227.79*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0068	EA	Stainless Steel Institutional Double Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-921)	1,374.81	50.51
		For Recessed Soap Dish, Add	*83.94*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0069	EA	Stainless Steel Tub And Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-941-231)	676.73	50.51
22 42 39 00-0070	EA	Stainless Steel Double Outlet Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Hand Spray, Hose, Wall Hooks, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-912RS-FS)	1,023.21	50.51
		For Hand Spray, Hose And 30" Slide Bar, Add	*59.07*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0071	EA	Stainless Steel Single Supply Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-60)	573.07	50.51
22 42 39 00-0072	EA	Stainless Steel Single Supply Single Outlet Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-22-FS)	607.31	50.51
		For Hand Spray, Hose And 30" Slide Bar, Add	*59.07*	
22 42 39 00-0073	EA	Single Lever Handle, Chrome, Pressure-Balance, Shower System (Symmons SafetyMix 1-100-X-3/4)	518.06	44.90
22 42 39 00-0074	EA	Single Lever Handle, Chrome, Pressure-Balance, Shower Valve (Symmons SafetyMix 4-500)	402.75	32.47

22 42 39 00-0075 Service Sink Faucets *(22 42 39)*

22 42 39 00-0076	EA	2-1/4" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet, Lever Handles (Kohler® Knoxford®)	266.33	62.30
22 42 39 00-0077	EA	4-5/8" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet, Lever Handles (Kohler® Kinlock™)	318.54	62.30
22 42 39 00-0078	EA	3" Spout, Wall Mount Service Sink Faucet, Lever Handles (American Standard 8340.235)	201.59	62.30
22 42 39 00-0079	EA	3" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet, Lever Handles (American Standard 8340.243)	222.42	62.30
22 42 39 00-0080	EA	6" Spout With Vacuum Breaker And Top Brace, Wall Mount Service Sink Faucet, Lever Handles (American Standard 8344.112)	242.60	62.30
22 42 39 00-0081	EA	6" Spout With Bottom Fork Brace, Wall Mount Service Sink Faucet, Stops In Integral Arm, Wrist Blade Handles (American Standard 8345.101)	337.29	87.33
22 42 39 00-0082	EA	6" Spout With Vacuum Break And Bottom Fork Brace, Wall Mount Service Sink Faucet, Stops In Integral Arm, Wrist Blade Handles (American Standard 8345.110)	378.12	99.53
22 42 39 00-0083	EA	8" Spout With Vacuum Break And Bottom Fork Brace, Wall Mount Service Sink Faucet, Stops In Integral Arm, Wrist Blade Handles (American Standard 8345.119)	393.08	99.53
22 42 39 00-0084	EA	Wall Mount Service Sink Faucet With Atmospheric Vacuum Breaker Spout, Lever Handles (Chicago Faucet 305-VBRCF)	247.31	62.30
22 42 39 00-0085	EA	8" Spout Wall Mount Service Sink, Wrist Blade Handles (Chicago 445-L8)	340.82	99.53
22 42 39 00-0086	EA	44" Flexible Stainless Steel Hose With Insulated Handle, 23" Riser, Pre-Rinse Faucet (Chicago Faucet 923-LCP)	461.19	99.53

22 42 39 00-0087 Laboratory Faucets And Fittings *(22 42 39)*

22 42 39 00-0088	EA	Cold Faucet, Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 927)	126.67	26.49
22 42 39 00-0089	EA	Hot And Cold Faucet, Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 929)	205.68	37.42
22 42 39 00-0090	EA	Hot And Cold Faucet With Vacuum Breaker, Single Deck Mount Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 930)	265.79	37.42
22 42 39 00-0091	EA	Cold Wall Mount, Gooseneck Spout With Aerator, Laboratory Faucet (Chicago Faucet 933)	165.34	34.95
22 42 39 00-0092	EA	Hot And Cold Wall Mount, 6" Spout With Aerator, Laboratory Faucet (Chicago Faucet 940)	227.81	49.84
22 42 39 00-0093	EA	Hot And Cold Wall Mount, 6" Spout With Aerator And Vacuum Breaker, Laboratory Faucet (Chicago Faucet 940-VBE7-CP)	300.74	49.84
22 42 39 00-0094	EA	Hot And Cold Faucet, Dual Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 946)	239.89	37.42
22 42 39 00-0095	EA	Hot And Cold Wall Mount, Gooseneck Spout With Aerator Laboratory Faucet (Chicago Faucet 942)	239.05	49.84
22 42 39 00-0096	EA	Single Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 350-CP)	151.37	28.77
22 42 39 00-0097	EA	Dual Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 50-CP)	212.59	40.64
22 42 39 00-0098	EA	Deck Mount Lavatory Faucet, 4" Center Set, Lever Handles (Chicago Faucet 802)	168.97	40.64
22 42 39 00-0099	EA	Deck Mount Gooseneck Sink Faucet, 4" Center Set, Blade Handles (Chicago Faucet 895-317CP)	200.78	40.64
22 42 39 00-0100	EA	Deck Mount Gooseneck Sink Faucet, 4" Center Set, Blade Handles (Chicago Faucet 802-317CP)	199.13	40.64
22 42 39 00-0101	EA	Gas Ball Valve, Removable Nozzle, Less Index Button (Chicago Faucet 909-LESS216-28CP)	60.14	24.99
22 42 39 00-0102	EA	Gas Ball Valve, Removable Nozzle, With Index Button (Chicago Faucet 909-AGVCP)	58.19	24.99
22 42 39 00-0103	EA	Dual Service Lab Fitting, Two Gas And One Water Outlet (Chicago Faucet 1332-CP)	330.29	44.90
22 42 39 00-0104	EA	Dual Service Lab Fitting With Wristblade Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-317CP)	330.29	44.90
22 42 39 00-0105	EA	Dual Service Lab Fitting With Metal Cross Handle, Inline Vacuum Breaker, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7-204CP)	416.94	44.90
22 42 39 00-0106	EA	Dual Service Lab Fitting With Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7CP)	371.35	44.90
22 42 39 00-0107	EA	Dual Service Lab Fitting With Chemical Resistant Coating And Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7SAM)	501.48	44.90
22 42 39 00-0108	EA	Single, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-131WSA)	89.79	24.70
22 42 39 00-0109	EA	90 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132AWSA)	123.99	29.63
22 42 39 00-0110	EA	180 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132SWSA)	123.99	29.63
22 42 39 00-0111	EA	Three Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-133WSA)	158.19	34.57
22 42 39 00-0112	EA	Four Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-134WSA)	192.38	39.52

22 42 39 00-0113 Gooseneck Faucets With Independent Eyewash *(22 42 39)*

22 42 39 00-0114	EA	Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA)	538.33	28.06
22 42 39 00-0115	EA	Single Lever Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-SL)	589.07	26.19
22 42 39 00-0116	EA	8" Stem, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8)	622.26	28.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0117	EA	Serrated Tip With Vacuum Breaker, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-ST)	647.29	28.06
22 42 39 00-0118	EA	Thermostatic Mixing Valve Kit For The SEF-1800 (Speakman SEF-TW)	874.47	18.71
22 42 39 00-0119	EA	Foot Pedal Activation, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-FP)	1,213.29	46.77
22 42 39 00-0120	EA	Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-TW)	1,412.80	46.77
22 42 39 00-0121	EA	8" Stem, Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8TW)	1,496.73	46.77
22 42 39 00-0122	EA	Adjustable Aerated Outlet Heads, Gooseneck Faucet Mounted Eyewash (WaterSaver EW101)	160.35	28.45
22 42 39 00-0123	EA	Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW200)	174.60	28.45
22 42 39 00-0124	EA	Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW201)	187.06	28.45
22 42 39 00-0125	EA	6 Gallon Capacity, Tempering Valve (WaterSaver AP3600)	755.17	18.71
22 42 39 00-0126		**Bubblers And Glass Fillers** *(22 42 39)*		
22 42 39 00-0127	EA	Self-Closing Bubbler Faucet, Metering Handle (Chicago Faucet 748-665CP)	212.26	26.49
22 42 39 00-0128	EA	Wall Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 313-CP)	129.24	34.95
22 42 39 00-0129	EA	7" Overall Outlet Height, Deck Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 709-CP)	148.15	26.49
22 42 39 00-0130	EA	Wall Mount, Push Button Single Glass Filler (Chicago Faucet 324-CP)	142.40	37.97
22 42 39 00-0131	EA	Deck Mount, Lever Handle Drinking Faucet (Haws 5054LF)	184.10	28.77
22 42 39 00-0132	EA	Self Closing Lever Handle Drinking Bubbler, 1/2" IPS (Haws 5057LF)	268.71	28.77
22 42 39 00-0133	EA	Push Button Bubbler, 1/2" OD (Haws 5017LF)	184.10	28.77
22 42 39 00-0134	EA	Push Button Bubbler, 3/8" NPT (Haws 5010-6427)	194.23	28.77
22 42 39 00-0135		**Electronic Infrared Sensor Faucets** *(22 42 39)*		
22 42 39 00-0136	EA	Electronic Lavatory Faucet (American Standard 6055.205.002)	400.10	62.41
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0137	EA	Electronic Lavatory Gooseneck Faucet (American Standard 6055.105.002)	403.35	62.41
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0138	EA	Electronic Gooseneck Faucets (Chicago Faucet 116.103.AB.1)	547.88	67.80
22 42 39 00-0139	EA	Electronic Lavatory Faucet (Chicago Faucet 116.112.AB.1)	546.29	62.41
22 42 39 00-0140	EA	Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880)	966.17	67.80
22 42 39 00-0141	EA	Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880-BDT)	1,122.76	67.80
22 42 39 00-0142	EA	Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-35187)	969.90	67.80
22 42 39 00-0143	EA	Solar Powered, Electronic Lavatory Faucet With Integral Mixing Valve (Sloan Solis EAF-275-ISM)	637.73	62.41
22 42 39 00-0144		**Other Trim** *(22 42 39)*		
22 42 39 00-0145	EA	Faucet Aerator, Male Thread 13/16" Male, 2 GPM (Delta RP330)	12.57	4.07
22 42 39 00-0146	EA	1-1/2" Pop-up Tailpiece (Chicago Faucet 226-ACP)	71.70	12.19
22 42 39 00-0147	EA	Basket Strainer Assembly (American Standard 055781-0070A)	32.05	10.16
22 42 39 00-0148	EA	1-1/4" Chrome Plated Cast P-Trap With Or Without Cleanout	87.63	21.25
22 42 39 00-0149	EA	1-1/2" Chrome Plated Cast P-Trap With Or Without Cleanout	89.45	22.45
22 42 39 00-0150	EA	1-1/2" Cast Brass P-Trap With Cleanout	145.49	22.45
22 42 39 00-0151		**Removal And Reinstallation Of Fixtures And Trim** *(22 42 39)* Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 39 00-0152	EA	Remove And Reinstall Faucet	65.04	
22 42 43		**Flushometers** *(22 42)*		
22 42 43 00-0001		**Removal And Reinstallation Of Fixtures And Trim** *(22 42 43)* Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 43 00-0002	EA	Remove And Reinstall Flush Valve	101.62	
22 42 43 00-0003		**Plumbing Control Transformers** *(22 42 43)*		
22 42 43 00-0004	EA	6 Volt DC, 120 Volt AC Plug In Style Power Transformer (Zurn P6000-PC6)	35.14	
22 42 46		**Chemical Toilets** *(22 42)* Note: Includes toilet, urinal, holding tank, and ventilation system. Building to be priced separately.		
22 42 46 00-0001		**Standard Chemical Toilets** *(22 42 46)*		
22 42 46 00-0002		**Small Tank Chemical Toilets** *(22 42 46 00-0001)*		
22 42 46 00-0003	EA	Chemical Toilet, Small Tank 7,000 Uses/Year	3,141.55	748.35
		For Extra Urinal, Add	*104.61*	
22 42 46 00-0004		**Medium Tank Chemical Toilets** *(22 42 46 00-0001)*		
22 42 46 00-0005	EA	Chemical Toilet, Medium Tank 13,000 Uses/Year	3,731.47	891.30
		For Extra Urinal, Add	*123.69*	
22 42 46 00-0006		**Large Tank Chemical Toilets** *(22 42 46 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 46 00-0007	EA	Chemical Toilet, Large Tank 28,000 Uses/Year	4,574.03	1,011.03
		For Extra Urinal, Add	*174.55*	

22 43 Healthcare Plumbing Fixtures *(22 40)*

22 43 13 Healthcare Water Closets *(22 43)*

22 43 13 00-0001 Healthcare Water Closets *(22 43 13)*

22 43 13 00-0002	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Priolo® ADA)	654.95	77.83
22 43 13 00-0003	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Madera™ ADA)	499.39	77.83

22 43 16 Healthcare Sinks *(22 43)*

22 43 16 00-0001 Healthcare Sinks *(22 43 16)*

Note: Includes trap, drain and supply valves. Excludes faucets and flush valves.

22 43 16 00-0002	EA	25" x 21", Wall Mounted, Blow Out Flushing Rim, Vitreous China Clinic Service Sink (American Standard)	1,090.20	50.14
		For Stainless Steel Rim Guards (Three Sides), Add	*105.70*	
22 43 16 00-0003	EA	29" x 20", Floor Mounted, Siphon Jet Flushing Rim, Vitreous China Clinic Service Sink (American Standard)	1,149.49	144.06
		For Stainless Steel Rim Guards (Three Sides), Add	*105.70*	
		For Pedestal Base, Add	*484.63*	
22 43 16 00-0004	EA	28" x 22", Wall Mounted, Vitreous China Surgeon's Scrub Sink (American Standard)	1,043.67	50.14
		For Painted Bracket Supports, Add	*163.55*	
22 43 16 00-0005	EA	20" x 17", Wall Mounted, Vitreous China Intensive Care Unit Sink (American Standard)	904.06	50.14

22 43 39 Healthcare Faucets *(22 43)*

22 43 39 00-0001 Medical Faucet Spouts *(22 43 39)*

22 43 39 00-0002	EA	Deck Mounted, Rigid Gooseneck Medical Lavatory Spout (American Standard 7522)	89.85	11.22

22 43 39 00-0003 Electronic Proximity Medical Faucets *(22 43 39)*

22 43 39 00-0004	EA	DC Or Plug-In AC Powered, Single Inlet, Electronic Proximity Medical Lavatory Faucet (American Standard Selectronic™ ICU)	529.33	54.93
		For Hard Wired AC Powered, Add	*24.07*	

22 43 39 00-0005 Foot And Knee Faucet Controls *(22 43 39)*

22 43 39 00-0006	EA	Single Supply Metering Pedal Valve (Chicago Faucet 628)	274.99	99.83
22 43 39 00-0007	EA	Double Supply Metering Pedal Valve (Chicago Faucet 625)	318.96	99.83
22 43 39 00-0008	EA	Knee Actuated Metering Mixing Valve (Chicago Faucet 745-VOCP)	657.94	99.83
22 43 39 00-0009	EA	Double Knee Actuated Metering Mixing Valve (American Standard 7676)	595.99	99.83

22 43 39 00-0010 Centerset Medical Faucets *(22 43 39)*

22 43 39 00-0011	EA	Rigid Gooseneck Centerset Medical Lavatory Faucet, 8" Centers 6" Wrist Action Handles, Adjustable Centers (T&S B-0865-04)	263.86	54.93
22 43 39 00-0012	EA	Swivel Gooseneck Centerset Medical Lavatory Faucet, 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0866-04)	274.97	54.93
22 43 39 00-0013	EA	Swivel Gooseneck Centerset Medical Lavatory Faucet With Aerator 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0867-04)	256.92	54.93
22 43 39 00-0014	EA	Surgical Sink Rigid Gooseneck Faucets, 8" Centers, 6" Wrist Action Handles (T&S B-0322-04)	244.42	54.93
22 43 39 00-0015	EA	Surgical Sink Rigid Gooseneck Faucets With Stream Regulator Outlet, 8" Centers, 6" Wrist Action Handles (T&S B-0323-04)	235.05	54.93

22 43 39 00-0016 Bedpan Washers *(22 43 39)*

22 43 39 00-0017	EA	Self Closing Pedal Valve Bed Pan Washer, With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose (T&S B-0675)	734.55	99.83
22 43 39 00-0018	EA	Pedal Valve Bed Panwasher With Volume Control Valve, Vacuum Breaker, Wall Hook Hose Connection, Extended Spray Polyvinyl Chloride Hose (T&S B-0676)	699.50	99.83
22 43 39 00-0019	EA	Self Closing Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection Polyvinyl Chloride Hose (T&S B-0685)	652.64	99.83
22 43 39 00-0020	EA	Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose, Extended Spray (T&S B-0686)	626.89	99.83

22 43 43 Healthcare Plumbing Fixture Flushometers *(22 43)*

22 43 43 00-0001 Healthcare Plumbing Fixture Flushometers *(22 43 43)*

22 43 43 00-0002	EA	Exposed Manual Service Sink Flush Valve (Sloan Royal-117)	203.04	25.51
22 43 43 00-0003	EA	Exposed Manual Water Closet Flush Valve With Bedpan Washer (Sloan Slimline BPW)	474.59	25.51

22 43 46 Patient Care Fixtures *(22 43)*

22 43 46 00-0001 Modular Patient Care Units *(22 43 46)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 43 46 00-0002	EA	47" Swivel Toilet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-1700-AQCT-WB-BWSEV)	10,029.37	149.67
		For SDB Single Temperature Dialysis Box, Add	*722.50*	
		For DDB Dual Temperature Dialysis Box, Add	*767.38*	
		For BWSEV Bedpan Washer With Elevated Valve, Add	*587.94*	
		For LOCK Flush Valve Lockout Device, Add	*407.25*	
22 43 46 00-0003	EA	31" Swing Front Cabinet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-2600-SST-DC-AQCT-WB)	7,914.93	130.97
		For SDB Single Temperature Dialysis Box, Add	*722.50*	
		For DDB Dual Temperature Dialysis Box, Add	*767.38*	
		For BWSEV Bedpan Washer With Elevated Valve, Add	*587.94*	
		For LOCK Flush Valve Lockout Device, Add	*407.25*	

22 43 46 00-0004 Patient Care Plumbing Accessories *(22 43 46)*

22 43 46 00-0005	EA	One Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7920)	952.09	20.33
22 43 46 00-0006	EA	Two Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7919)	1,047.90	20.33

22 45 Emergency Plumbing Fixtures *(22 40)*

22 45 13 Emergency Showers *(22 45)*

22 45 13 00-0001 Emergency Drench Showers *(22 45 13)*

22 45 13 00-0002 Emergency Drench Showers (Haws) *(22 45 13 00-0001)*

Note: Includes one pull rod.

22 45 13 00-0003	EA	Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122)	490.30	130.97
22 45 13 00-0004	EA	Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8123)	561.17	130.97
22 45 13 00-0005	EA	Horizontal Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122HWC)	600.54	130.97
22 45 13 00-0006	EA	Horizontal Or Vertical Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8130)	718.67	130.97
22 45 13 00-0007	EA	Horizontal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8133H)	962.80	130.97
22 45 13 00-0008	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8100)	763.96	149.67
22 45 13 00-0009	EA	Wall Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Stainless Steel Push Flag (Haws 8111FP)	836.82	168.38
22 45 13 00-0010	EA	Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8169)	762.01	168.38
22 45 13 00-0011	EA	Concealed Ceiling Supply, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8163)	777.76	168.38
22 45 13 00-0012	EA	Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Pull Down Lever Ball Valve Mounted In A Recessed Stainless Steel Cabinet (Haws 8164)	1,073.07	168.38

22 45 13 00-0013 Emergency Drench Showers (Speakman) *(22 45 13 00-0001)*

Note: Includes one pull rod.

22 45 13 00-0014	EA	Vertical Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-220)	410.60	130.97
22 45 13 00-0015	EA	Horizontal Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-227)	414.32	130.97
22 45 13 00-0016	EA	Floor Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-253)	652.77	149.67

22 45 13 00-0017 Emergency Drench Showers (Guardian) *(22 45 13 00-0001)*

Note: Includes one pull rod.

22 45 13 00-0018	EA	All-Stainless Steel Handicapped Accessible Safety Station With WideArea™ Eye/Face Wash (Guardian GBF1994)	2,849.08	130.97

22 45 13 00-0019 Emergency Drench Showers (WaterSaver) *(22 45 13 00-0001)*

Note: Includes one pull rod.

22 45 13 00-0020	EA	Emergency Shower, Vertically Mounted (WaterSaver ES635)	469.82	130.97
22 45 13 00-0021	EA	Emergency Shower, Horizontally Mounted (WaterSaver ES643)	478.91	130.97
22 45 13 00-0022	EA	All-Stainless Steel, Emergency Shower, Horizontally Mounted (WaterSaver ES691)	924.14	130.97
22 45 13 00-0023	EA	Emergency Shower, Recess Mounted (WaterSaver ES629)	719.02	168.38
22 45 13 00-0024	EA	Emergency Shower, Semi-Concealed (WaterSaver ES658)	924.73	168.38

22 45 16 Eyewash Equipment *(22 45)*

22 45 16 00-0001 Emergency Eyewash Equipment *(22 45 16)*

22 45 16 00-0002 Emergency Eyewash Equipment (Haws) *(22 45 16 00-0001)*

22 45 16 00-0003	EA	Faucet Mounted, Stainless Steel Emergency Eyewash (Haws Axion® eyePOD® 7620)	212.23	3.74
22 45 16 00-0004	EA	Wall Mounted, Freeze Protected, Emergency Eye Wash With Soft-Flo Heads And Stainless Steel Bowl (Haws 7433FP)	1,010.07	168.38

22 45 16 00-0005 Emergency Eyewash Equipment (WaterSaver) *(22 45 16 00-0001)*

22 45 16 00-0006	EA	Auto Flow, Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805)	402.44	37.42
22 45 16 00-0007	EA	Auto Flow, Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805LH)	402.44	37.42
22 45 16 00-0008	EA	Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806)	409.33	37.42
22 45 16 00-0009	EA	Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806LH)	409.33	37.42

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 16 00-0010	EA	Stainless Steel Bowl, Emergency Eye Wash, Deck Mounted (WaterSaver EW822)	535.79	37.42
22 45 16 00-0011	EA	Swing-Down, Auto Flow, Emergency Eye Wash, Wall Mounted (WaterSaver EW848)	607.03	37.42
22 45 16 00-0012	EA	Swing-Down, Auto Flow, Emergency Eye Wash, Deck Mounted (WaterSaver EW849)	607.03	37.42
22 45 16 00-0013	EA	Right Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893)	1,103.91	37.42
22 45 16 00-0014	EA	Left Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893LH)	1,103.91	37.42
22 45 16 00-0015	EA	Right Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895)	1,154.04	37.42
22 45 16 00-0016	EA	Left Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895LH)	1,154.04	37.42
22 45 16 00-0017	EA	Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Wall Mounted (WaterSaver EW898)	1,417.83	37.42
22 45 16 00-0018	EA	Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW899)	1,417.83	37.42
22 45 16 00-0019	EA	Ball Valve With Flag Handle, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW808)	781.72	130.97
22 45 16 00-0020	EA	Push-Down Valve, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW810)	772.00	130.97
22 45 16 00-0021	EA	Stainless Steel Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814)	580.35	130.97
22 45 16 00-0022	EA	Stainless Steel Bowl And Cover, Emergency Eye Wash, Wall Mounted (WaterSaver EW814BC)	782.46	130.97
22 45 16 00-0023	EA	Plastic Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814P)	508.20	130.97

22 45 23 Personal Eyewash Equipment *(22 45)*

22 45 23 00-0001 Portable Eyewash Equipment *(22 45 23)*

22 45 23 00-0002 Portable Eyewash Equipment (Bradley) *(22 45 23 00-0001)*

22 45 23 00-0003	EA	Portable (Wall Mounted) Heated Gravity-Fed Emergency Eye/Face Wash (Bradley S19-921H)	1,213.78	11.22

22 45 26 Eye/Face Wash Equipment *(22 45)*

22 45 26 00-0001 Emergency Eye/Face Wash Equipment *(22 45 26)*

22 45 26 00-0002 Emergency Eye/Face Wash Equipment (Haws) *(22 45 26 00-0001)*

22 45 26 00-0003	EA	Unmounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7460) Note: Excludes p-trap and tailpiece.	529.65	93.55
22 45 26 00-0004	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly Without Receptor (Haws 7324)	533.61	130.97
22 45 26 00-0005	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260B-7270B) Note: Excludes p-trap and tailpiece.	521.80	130.97
22 45 26 00-0006	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260BT-7270BT) Note: Excludes p-trap and tailpiece.	568.26	130.97
22 45 26 00-0007	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360B-7460B) Note: Excludes p-trap and tailpiece.	572.98	130.97
22 45 26 00-0008	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BT-7460BT) Note: Excludes p-trap and tailpiece.	628.90	130.97
22 45 26 00-0009	EA	Wall Mounted, Barrier-Free, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BTWC)	852.54	130.97
22 45 26 00-0010	EA	Wall Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl And Dust Cover (Haws 7778B)	1,600.67	130.97
22 45 26 00-0011	EA	Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7261-7271)	653.72	149.67
22 45 26 00-0012	EA	Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7361-7461)	744.28	149.67
22 45 26 00-0013	EA	Pedestal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7777)	1,657.78	149.67
22 45 26 00-0014	EA	Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7611)	441.03	37.42
22 45 26 00-0015	EA	Right Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612)	425.28	37.42
22 45 26 00-0016	EA	Left Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612LH)	444.96	37.42
22 45 26 00-0017	EA	Wall Or Deck Mounted, Barrier-Free, Swing-Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7610)	559.15	37.42
22 45 26 00-0018	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCC)	1,366.43	187.09
22 45 26 00-0019	EA	Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCSM)	1,649.90	149.67
22 45 26 00-0020	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCC)	1,697.18	187.09
22 45 26 00-0021	EA	Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCSM)	1,988.53	149.67

22 45 26 00-0022 Emergency Eye/Face Wash Equipment (Speakman) *(22 45 26 00-0001)*

22 45 26 00-0023	EA	Wall Mounted, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-495)	457.22	130.97
22 45 26 00-0024	EA	Floor Mounted, DuraJade™ Finish, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-496)	554.49	149.67

22 45 26 00-0025 Emergency Eye/Face Wash Equipment (WaterSaver) *(22 45 26 00-0001)*

22 45 26 00-0026	EA	Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl, Wall Mounted (WaterSaver FE724)	707.18	130.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 26 00-0027	EA	Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl And Cover, Wall Mounted (WaterSaver FE724BC)	909.29	130.97
22 45 26 00-0028	EA	Wide Area, Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE727)	883.59	130.97
22 45 26 00-0029	EA	Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE765)	822.28	130.97
22 45 26 00-0030	EA	Auto Flow, Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774)	422.50	37.42
22 45 26 00-0031	EA	Auto Flow, Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774LH)	422.50	37.42
22 45 26 00-0032	EA	Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775)	410.54	37.42
22 45 26 00-0033	EA	Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775LH)	410.54	37.42
22 45 26 00-0034	EA	Swing-Down, Auto Flow, Emergency Eye/Face Wash, Wall Mounted (WaterSaver FE778)	616.02	37.42
22 45 26 00-0035	EA	Swing-Down, Auto Flow, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE779)	616.02	37.42

22 45 29 Hand-Held Emergency Drench Hoses *(22 45)*

22 45 29 00-0001 Hand-Held Emergency Eye/Face/Body Wash With Hose *(22 45 29)*

22 45 29 00-0002 Hand-Held Emergency Eye/Face/Body Wash With Hose (Haws) *(22 45 29 00-0001)*

22 45 29 00-0003	EA	Counter Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 8' Hose (Haws 8904)	471.55	46.77
22 45 29 00-0004	EA	Wall Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 12' Recoil Hose (Haws 8905)	542.43	46.77

22 45 29 00-0005 Hand-Held Emergency Eye/Face/Body Wash With Hose (WaterSaver) *(22 45 29 00-0001)*

22 45 29 00-0006	EA	Emergency Drench Hose Unit, Deck Mounted (WaterSaver EW1020)	334.58	46.77
22 45 29 00-0007	EA	Emergency Drench Hose Unit, Wall Mounted (WaterSaver EW1025)	310.57	46.77
22 45 29 00-0008	EA	Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1014)	451.80	46.77
22 45 29 00-0009	EA	Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1022)	425.09	46.77
22 45 29 00-0010	EA	Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1026)	434.65	46.77
22 45 29 00-0011	EA	Ball Valve With Flag Handle, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028)	560.59	46.77
22 45 29 00-0012	EA	Ball Valve With Flag Handle And Vacuum Breaker, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028VB)	644.35	46.77
22 45 29 00-0013	EA	Emergency Eye Wash Drench Hose Unit, 45 Degree Panel Mounted (WaterSaver EW1041)	615.95	46.77

22 45 33 Combination Emergency Fixture Units *(22 45)*

22 45 33 00-0001 Emergency Shower With Eye/Face Wash *(22 45 33)*

22 45 33 00-0002 Emergency Shower With Eye/Face Wash (Haws) *(22 45 33 00-0001)*

22 45 33 00-0003	EA	Floor Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8330)	2,789.87	243.22
22 45 33 00-0004	EA	Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300FP) Note: Includes freeze protection bury valve.	1,892.12	243.22
22 45 33 00-0005	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300-8309)	1,321.18	243.22
22 45 33 00-0006	EA	Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300.158)	2,096.87	243.22
22 45 33 00-0007	EA	Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300CRP-8309CRP)	1,541.68	243.22
22 45 33 00-0008	EA	Floor Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8309WC)	1,451.12	243.22
22 45 33 00-0009	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317)	1,242.43	243.22
22 45 33 00-0010	EA	Floor Mounted, Corrosion Resistant, PVC Plastic, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8336)	2,025.99	243.22
22 45 33 00-0011	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCC)	2,218.93	243.22
22 45 33 00-0012	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCW)	2,262.24	243.22
22 45 33 00-0013	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCC)	2,526.05	243.22
22 45 33 00-0014	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan, Daylight Drain And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCDD)	2,679.62	243.22
22 45 33 00-0015	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCW)	2,636.31	243.22
22 45 33 00-0016	EA	Floor Mounted, 120 VAC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP)	3,935.68	243.22
22 45 33 00-0017	EA	Floor Mounted, 220 VAC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP.220V)	4,148.31	243.22
22 45 33 00-0018	EA	Floor Mounted, C1D1 Rated, 120 VAC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFPC1D1)	8,755.18	243.22
22 45 33 00-0019	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320-8325)	1,242.43	243.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 33 00-0020	EA	Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320CRP)	1,403.87	243.22
22 45 33 00-0021		**Emergency Shower With Eye/Face Wash (Speakman)** *(22 45 33 00-0001)*		
22 45 33 00-0022	EA	Floor Mounted, Emergency Drench Shower With Plastic Showerhead And Eye/Face Wash With Plastic Bowl (Speakman SE-690)	1,055.95	243.22
22 45 33 00-0023		**Emergency Shower With Eye/Face Wash (WaterSaver)** *(22 45 33 00-0001)*		
22 45 33 00-0024	EA	All-Stainless Steel, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS994)	2,909.39	203.24
22 45 33 00-0025	EA	Polished Chrome Construction, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS909PCC)	2,970.30	203.24
22 45 33 00-0026	EA	Emergency Shower With Eye Wash Station And Stainless Steel Bowl, Floor Mounted (WaterSaver SS902)	1,253.71	203.24
22 45 33 00-0027	EA	Emergency Shower With Eye Wash Station And Plastic Bowl, Floor Mounted (WaterSaver SS902P)	1,158.95	203.24
22 45 33 00-0028	EA	Emergency Shower With Eye Wash Station And Stainless Steel Bowl And Cover, Floor Mounted (WaterSaver SS902BC)	1,455.82	203.24
22 45 36		**Emergency Fixture Water-Tempering Equipment** *(22 45)*		
22 45 36 00-0001		**Emergency Fixture Water-Tempering Equipment** *(22 45 36)*		
22 45 36 00-0002		**Emergency Fixture Water-Tempering Equipment (Haws)** *(22 45 36 00-0001)*		
22 45 36 00-0003	EA	10 GPM, 1/2" Inlet, 1/2" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EW)	499.11	46.77
22 45 36 00-0004	EA	12 GPM, 1/2" Inlet, 3/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EFE)	731.43	46.77
22 45 36 00-0005	EA	31 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201E)	1,073.99	46.77
22 45 36 00-0006	EA	78 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9202E)	1,266.93	46.77
22 45 36 00-0007	EA	31 GPM, 1" Inlet, 1-1/4" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws 9201H)	1,794.55	46.77
22 45 36 00-0008	EA	12 GPM, 1/2" Inlet, 3/4" Outlet, Secondary High Temperature Limit Valve, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.EWE)	1,892.99	46.77
22 45 36 00-0009	EA	74 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.SHE)	3,180.55	46.77
22 45 36 00-0010	EA	78 GPM, 2" Inlet, 2" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.HF)	3,822.36	46.77
22 45 36 00-0011	EA	1/2" Inlet, 1/2" Outlet, Brass Scald Protection Bleed Valve (Haws SP157B)	558.17	46.77
22 45 39		**Emergency Plumbing Fixture Accessories** *(22 45)*		
22 45 39 00-0001		**Emergency Plumbing Fixture Accessories** *(22 45 39)*		
22 45 39 00-0002		**Emergency Plumbing Fixture Accessories (Haws)** *(22 45 39 00-0001)*		
22 45 39 00-0003	EA	Pedestal Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220)	128.38	14.97
22 45 39 00-0004	EA	Wall Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220W)	179.56	14.97
22 45 39 00-0005	EA	Pedestal Mounted, Stainless Steel Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220SS)	187.44	14.97
22 45 39 00-0006	EA	Axion® MSR Stainless Steel Showerhead For Emergency Drench Showers (Haws SP829SS)	208.10	5.61
22 45 39 00-0007	EA	Stainless Steel Dust Cover For Emergency Eye/Face Wash Bowls (Haws 9102)	212.23	3.74
22 45 39 00-0008	EA	3-Sided ABS Plastic Safety Sign For Emergency Combination Shower And Eyewash Units (Haws 9020)	231.53	7.48
22 45 39 00-0009	EA	Emergency Body Spray Kit With 8' Hose And ABS Plastic Head For Emergency Plumbing Fixtures (Haws 8901RFK)	407.56	56.13
22 45 39 00-0010	EA	Class 1, Div. 1, Group B, C And D, Indicator Light For Emergency Plumbing Fixtures (Haws 8317IDLTEXP)	419.57	24.73
22 45 39 00-0011	EA	Vapor Tight And Gasketed, Green Area Light For Emergency Plumbing Fixtures (Haws 8317LT)	624.33	24.73
22 45 39 00-0012	EA	Privacy Curtain For Horizontal Emergency Drench Shower Or Combination Emergency Drench Shower And Eyewash Units (Haws 9037)	731.43	56.13
22 45 39 00-0013	EA	Class 1, Div. 1, Group B, C And D, White Area Light For Emergency Plumbing Fixtures (Haws 8317LTEXP)	1,392.14	24.73
22 45 39 00-0014	EA	1/2" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001.5)	1,542.98	82.43
22 45 39 00-0015	EA	1-1/4" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001)	1,574.48	82.43
22 45 39 00-0016	EA	1-1/4" Supply, Class 1, Division 2, Groups B, C, And D Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXP)	2,921.11	82.43
22 45 39 00-0017	EA	1-1/4" Supply, 90 db, Class 1, Division 1, Groups C And D, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXPC1D1)	5,559.24	82.43
22 45 39 00-0018		**Emergency Plumbing Fixture Accessories (Speakman)** *(22 45 39 00-0001)*		
22 45 39 00-0019	EA	Privacy Curtain For Emergency Showers Note: Curtain includes stainless steel curtain rod and mounting accessories.	656.35	56.13
22 45 39 00-0020		**Emergency Plumbing Fixture Accessories (WaterSaver)** *(22 45 39 00-0001)*		
22 45 39 00-0021	EA	Hand And Foot Control For Emergency Eyewash Equipment (WaterSaver HFC)	88.51	12.19

22 46 Security Plumbing Fixtures *(22 40)*

22 46 13 Security Water Closets And Urinals *(22 46)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 46 13 00-0001		**Security Fixtures** *(22 46 13)*		
22 46 13 00-0002	EA	Prison Urinal, Back Supply And Flush, Wall Hung, Stainless Steel	2,579.32	168.38
22 46 13 00-0003	EA	Prison Urinal, Back Supply And Flush, Stall, Stainless Steel	4,385.84	239.25
22 46 13 00-0004	EA	Prison Water Closet, Integral Seat, Back Supply And Flush Valve, Wall Hung, Wall Outlet, Cast Aluminum	2,171.87	187.09
		For Angled Toilet, Add	*18.71*	
		For Offset Toilet, Add	*198.48*	
22 46 13 00-0005	EA	Prison Water Closet, Integral Seat, Back Supply And Flush Valve, Floor Mount, Wall Outlet, Cast Aluminum	2,634.93	187.09
		For Angled Toilet, Add	*18.71*	
		For Offset Toilet, Add	*244.78*	
22 46 13 00-0006	EA	Prison Water Closet, Integral Seat, Back Supply And Flush Valve, Floor Mount, Floor Outlet, Cast Aluminum	2,675.50	187.09
		For Angled Toilet, Add	*18.71*	
		For Offset Toilet, Add	*248.84*	
22 46 13 00-0007	EA	For Recessed Tissue Holder For Prison Water Closet, Stainless Steel	241.25	37.42
22 46 13 00-0008	EA	15" Wide Combination Prison Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel	3,958.63	232.00
		For Angled Toilet, Add	*23.20*	
		For Offset Toilet, Add	*372.66*	
		For 15" Mirror/Shelf Module, Add	*781.99*	
		For AC Duplex Outlet Option, Add	*76.40*	
		For Intercom Option, Add	*121.40*	
		For 15" Wide Light/Ventilation Module, Add	*774.19*	
22 46 13 00-0009	EA	18" Wide Combination Prison Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel	4,077.61	243.22
		For Angled Toilet, Add	*24.32*	
		For Offset Toilet, Add	*383.44*	
		For 18" Mirror/Shelf Module, Add	*818.22*	
		For AC Duplex Outlet Option, Add	*78.64*	
		For Intercom Option, Add	*123.64*	
		For 18" Wide Light/Ventilation Module, Add	*795.93*	
22 46 13 00-0010	EA	20" Wide Combination Prison Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel	4,167.21	254.44
		For Angled Toilet, Add	*25.44*	
		For Offset Toilet, Add	*391.28*	
		For 20" Mirror/Shelf Module, Add	*864.44*	
		For AC Duplex Outlet Option, Add	*80.89*	
		For Intercom Option, Add	*125.89*	
		For 20" Wide Light/Ventilation Module, Add	*827.66*	
22 46 13 00-0011	EA	26" Wide Combination Prison Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel	4,461.07	265.67
		For Angled Toilet, Add	*26.57*	
		For Offset Toilet, Add	*419.54*	
		For 26" Mirror/Shelf Module, Add	*900.67*	
		For AC Duplex Outlet Option, Add	*83.13*	
		For Intercom Option, Add	*128.13*	
		For 26" Wide Light/Ventilation Module, Add	*854.40*	
22 46 13 00-0012	EA	28" Wide Combination Prison Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Floor Mounted, Stainless Steel	7,221.32	276.89
		For Angled Toilet, Add	*27.69*	
		For Offset Toilet, Add	*694.44*	
		For 28" Mirror/Shelf Module, Add	*931.90*	
		For AC Duplex Outlet Option, Add	*85.38*	
		For Intercom Option, Add	*130.38*	
		For 28" Wide Light/Ventilation Module, Add	*881.14*	
22 46 16		**Security Lavatories And Sinks** *(22 46)*		
22 46 16 00-0001		**Security Lavatories And Sinks** *(22 46 16)*		
22 46 16 00-0002	EA	Prison Lavatory, Wall Hung, Push Button Filler V, Rectangular Bowl, Stainless Steel	1,566.14	130.97
		For Shelf, Add	*74.29*	
22 46 16 00-0003	EA	Prison Lavatory, Wall Hung, Push Button Filler V, Oval Bowl, Stainless Steel	1,593.00	130.97
		For Shelf, Add	*74.29*	
22 46 16 00-0004	EA	Prison Lavatory, Wall Hung, Push Button Filler V, Oval Bowl, Corner Mount, Stainless Steel	1,819.82	130.97
		For Shelf, Add	*74.29*	
22 46 16 00-0005	EA	Prison Lavatory, Wall Hung, Push Button Filler V, Multi Sided Bowl, Stainless Steel	1,593.00	130.97
		For Shelf, Add	*74.29*	
22 46 16 00-0006	EA	Prison Service Sink, With Soap Dish, 22" x 16" x 10", Stainless Steel	3,386.38	199.44
22 46 19		**Security Showers** *(22 46)*		
22 46 19 00-0001	EA	Prison Shower Cabinet, Unitized, 36" X 36" X 88", Stainless Steel	9,482.87	271.95
		For Door, Add	*119.39*	
22 46 19 00-0002	EA	Shower Package For Built-in, Hot And Cold Faucets, Mixing Valve, Rectangular Soap Dish, Stainless Steel	554.58	99.90
22 46 19 00-0003	EA	Prison Shower Head With Mixing Valves And Piping Assembly In Wall	407.70	52.39
22 46 19 00-0004	EA	30" Prison Shower, Stainless Steel, Knock-Down, Acorn 1730-3M-KD	8,879.09	299.34
22 46 19 00-0005	EA	32" Prison Shower, Stainless Steel, Knock-Down, Acorn 1732-3M-KD	9,203.65	299.34
22 46 19 00-0006	EA	36" Prison Shower, Stainless Steel, Knock-Down, Acorn 1736-3M-KD	9,537.68	299.34
22 46 19 00-0007	EA	36" ADA Prison Shower, Stainless Steel, Front Access, Acorn 1736-ADA-3M-FA	12,153.12	299.34
22 46 19 00-0008	EA	Wall Mounted Shower, Stainless Steel, Acorn 1741	877.95	78.58
		For PWT Electronic FV, Add	*148.00*	
22 46 19 00-0009	EA	Wall Mounted ADA Shower, Stainless Steel, Acorn 1741 ADA	1,065.93	78.58
		For PWT Electronic FV, Add	*148.00*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 46 56		**Security Drinking Fountains** *(22 46)*		
22 46 56 00-0001		Drinking Fountain *(22 46 56)*		
		Note: Includes air control valve, bubbler with mouthguard and mounting bracket.		
22 46 56 00-0002	EA	Wall Mounted Drinking Fountain, Stainless Steel, Acorn 1670-1-BP-3-FA	1,769.84	149.67
22 46 56 00-0003	EA	Wall Mounted ADA Drinking Fountain, Stainless Steel, Acorn 1672-1-ADA-BP-3-FA	1,782.79	149.67
22 47		Drinking Fountains And Water Coolers *(22 40)*		
22 47 13		**Drinking Fountains** *(22 47)*		
22 47 13 00-0001		Indoor Drinking Fountains *(22 47 13)*		
22 47 13 00-0002		Face Mounted Indoor Drinking Fountain *(22 47 13 00-0001)*		
22 47 13 00-0003	EA	Stainless Steel, Standard Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-S)	1,409.38	121.61
22 47 13 00-0004	EA	Stainless Steel, Standard Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-SBP)	1,679.03	130.97
22 47 13 00-0005	EA	Stainless Steel, Extended Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-E)	1,591.01	121.61
22 47 13 00-0006	EA	Stainless Steel, Extended Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-EBP)	1,706.24	130.97
22 47 13 00-0007	EA	Stainless Steel, Standard Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFS)	937.31	121.61
22 47 13 00-0008	EA	Stainless Steel, Standard Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners With Back Panel (Halsey-Taylor HRFSBP)	1,113.07	130.97
22 47 13 00-0009	EA	Stainless Steel, Extended Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFE)	1,013.64	121.61
22 47 13 00-0010	EA	Stainless Steel, Extended Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFEBP)	1,134.13	130.97
22 47 13 00-0011		Wall Mounted Indoor Drinking Fountain *(22 47 13 00-0001)*		
22 47 13 00-0012	EA	Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor 5701)	963.90	130.97
22 47 13 00-0013	EA	Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain/Bottle Filling Station With Bubbler, Backsplash, Front And Side Push Bars (Elkay/Halsey-Taylor HTHB-HAC8WF)	1,325.85	130.97
22 47 13 00-0014	EA	Bi-Level, Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain/Bottle Filling Station With Bubbler, Backsplash, Front And Side Push Bars (Elkay/Halsey-Taylor HTHB-HAC8BLWF)	1,891.88	130.97
22 47 13 00-0015		Semi-Recessed Indoor Drinking Fountain *(22 47 13 00-0001)*		
22 47 13 00-0016	EA	Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler (Halsey-Taylor 5801)	1,301.12	140.31
22 47 13 00-0017	EA	Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler And Cuspidor (Halsey-Taylor 5801C)	2,820.02	140.31
22 47 13 00-0018		Fully Recessed Indoor Drinking Fountain *(22 47 13 00-0001)*		
22 47 13 00-0019	EA	Stainless Steel Fully-Recessed, With Bubbler, Indoor Drinking Fountain (Halsey-Taylor 8880, Haws 2400)	1,391.79	149.67
22 47 13 00-0020	EA	Stainless Steel Fully-Recessed, With Bubbler And Cuspidor, Indoor Drinking Fountain (Halsey-Taylor 8800 With 10245, Haws 2403)	2,557.07	149.67
22 47 13 00-0021		Countertop Indoor Drinking Fountain *(22 47 13 00-0001)*		
22 47 13 00-0022	EA	Stainless Steel Countertop Circular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 10000)	572.30	93.55
22 47 13 00-0023	EA	Stainless Steel Countertop Rectangular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6000)	550.36	93.55
22 47 13 00-0024	EA	Stainless Steel Countertop Oval Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6028)	670.58	93.55
22 47 13 00-0025		Bowl And Bracket Indoor Drinking Fountain *(22 47 13 00-0001)*		
22 47 13 00-0026	EA	Stainless Steel, Bowl And Bracket With Pushbutton Bubbler, Indoor Drinking Fountain (Halsey-Taylor 2501A)	403.83	93.55
22 47 13 00-0027	EA	Stainless Steel, Bowl And Bracket, Self Closing Lever Handle Stop, Indoor Drinking Fountain (Halsey-Taylor 4540)	524.04	93.55
22 47 13 00-0028		Multi-Station Indoor Drinking Fountain *(22 47 13 00-0001)*		
22 47 13 00-0029	EA	Stainless Steel Two Station Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7020)	2,657.98	149.67
22 47 13 00-0030	EA	Stainless Steel Three Station Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7030)	2,898.41	149.67
22 47 13 00-0031	EA	Marblyte, Face-Mounted Two Station Indoor Drinking Fountain With Bubblers (Halsey-Taylor 7120)	2,224.51	149.67
22 47 13 00-0032	EA	White Enameled Iron Two Station Indoor Drinking Fountains With Bubblers (Haws 1430)	1,826.14	149.67
22 47 13 00-0033	EA	White Enameled Iron Three Station Indoor Drinking Fountains With Bubblers (Haws 1435)	2,328.93	149.67
22 47 13 00-0034	EA	Stainless Steel, Bi-Level Indoor Drinking Fountain With Bubblers And Back Panel (Halsey-Taylor HRFSEBP, Haws 1119.14 With 6700.4)	2,020.78	190.92
22 47 13 00-0035	EA	Cast Aluminum Two Station Indoor Drinking Fountains With Bubblers (Haws 1441)	2,782.01	149.67
22 47 13 00-0036	EA	Cast Aluminum Three Station Indoor Drinking Fountains With Bubblers (Haws 1408)	2,935.55	149.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 13 00-0037		Outdoor Drinking Fountains *(22 47 13)*		
22 47 13 00-0038		Face Mounted *(22 47 13 00-0037)*		
22 47 13 00-0039	EA	Stainless Steel Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRFE-FR)	1,533.06	149.67
22 47 13 00-0040	EA	Stainless Steel Freeze Resistant Face Mounted, With Back Panel, Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRFEBP-FR)	1,633.97	149.67
22 47 13 00-0041	EA	Stone Aggregate Weather Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592)	1,218.93	149.67
22 47 13 00-0042	EA	Stone Aggregate Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592-FR)	1,666.44	149.67
22 47 13 00-0043	EA	Stainless Steel Face Mounted Outdoor Drinking Fountain With Bubbler (Oasis FLF140PM) Note: For use with remote chillers	917.56	149.67
22 47 13 00-0044		Free Standing *(22 47 13 00-0037)*		
22 47 13 00-0045	EA	Steel Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715)	2,203.16	140.31
22 47 13 00-0046	EA	Steel Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715-FR)	3,096.42	140.31
22 47 13 00-0047	EA	Steel Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710)	2,323.37	140.31
22 47 13 00-0048	EA	Steel Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710-FR)	3,216.63	140.31
22 47 13 00-0049	EA	Steel Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720)	3,335.39	149.67
22 47 13 00-0050	EA	Steel Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720-FR)	4,782.33	149.67
22 47 13 00-0051	EA	Stone Aggregate Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4591)	1,237.06	140.31
22 47 13 00-0052	EA	Stone Aggregate Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590)	2,139.10	140.31
22 47 13 00-0053	EA	Stone Aggregate Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590-FR)	3,033.24	140.31
22 47 13 00-0054	EA	Stone Aggregate Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595)	3,251.15	149.67
22 47 13 00-0055	EA	Stone Aggregate Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595-FR)	4,609.47	149.67
22 47 16		**Pressure Water Coolers** *(22 47)*		
22 47 16 00-0001		Indoor Water Coolers *(22 47 16)*		
22 47 16 00-0002		Face Mounted Indoor Water Coolers *(22 47 16 00-0001)*		
22 47 16 00-0003	EA	Stainless Steel, Semi-Circular Water Cooler With Bubbler, Face-Mounted, Extended Length, 180 Degree Push Bar, 7.5 GPH (Halsey-Taylor OVL-II ER-Q)	2,609.72	149.67
22 47 16 00-0004	EA	Stainless Steel, Semi-Circular Water Cooler, Electronic Sensor, Face-Mounted, Extended Length, With Bubbler, 7.5 GPH (Halsey-Taylor OVL-II EREE-Q)	2,783.46	149.67
22 47 16 00-0005		Wall Mounted Indoor Water Coolers *(22 47 16 00-0001)*		
22 47 16 00-0006	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 4 GPH, With Bubbler, (Halsey-Taylor SW4A-Q)	1,021.50	149.67
22 47 16 00-0007	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SW8A-Q)	1,060.11	149.67
22 47 16 00-0008	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SW14A-Q)	1,175.06	149.67
22 47 16 00-0009	EA	Stainless Steel Wall-Mounted Vandal Resistant Compact Water Cooler With Bubbler, 8 GPH (Halsey-Taylor SW8A-VR-Q-SS)	1,198.75	149.67
22 47 16 00-0010	EA	Stainless Steel Wall-Mounted Vandal Resistant Barrier Free Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8-CHILD ADA)	890.40	149.67
22 47 16 00-0011	EA	Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor WC8AFS-Q-SS)	1,083.80	149.67
22 47 16 00-0012	EA	Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor HAC8FS-Q Child SS)	992.54	149.67
22 47 16 00-0013	EA	Stainless Steel Wall-Mounted Water Cooler, 8 GPH, With Bubbler, (Halsey-Taylor HAC8VR-BL)	1,530.28	149.67
22 47 16 00-0014	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HAC8FSBL-Q-SS)	1,725.73	224.51
22 47 16 00-0015		Simulated Recessed Indoor Water Coolers *(22 47 16 00-0001)*		
22 47 16 00-0016	EA	Stainless Steel Simulated Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RWM8A-Q)	1,503.23	149.67
22 47 16 00-0017		Fully Recessed Indoor Water Coolers *(22 47 16 00-0001)*		
22 47 16 00-0018	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RC8A-Q)	2,454.94	168.38
22 47 16 00-0019	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser, 8 GPH (Halsey-Taylor RC8AQ + 14762)	3,604.43	168.38
22 47 16 00-0020	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser And Glass Filler, 8 GPH (Halsey-Taylor RC8A-Q-14700)	4,224.80	168.38
22 47 16 00-0021		Free Standing Indoor Water Coolers *(22 47 16 00-0001)*		
22 47 16 00-0022	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 4 GPH, With Bubbler (Halsey-Taylor SCWT4A-Q)	1,013.03	130.97
22 47 16 00-0023	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SCWT8A-Q)	1,051.64	130.97
22 47 16 00-0024	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SCWT14A-Q)	1,167.47	130.97
22 47 16 00-0025	EA	Stainless Steel, Free-Standing Vandal Resistant Water Cooler With Bubbler, 14 GPH (Halsey-Taylor SCWT14A-VR-Q)	1,357.00	130.97
22 47 16 00-0026		Bottled Water Coolers *(22 47 16 00-0001)*		
22 47 16 00-0027	EA	Free-Standing Bottled Water Cooler With Chilled Or Room Temperature Water	414.08	74.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 16 00-0028	EA	Free-Standing Bottled Water Cooler With Chilled Or Hot Water	498.32	74.84
22 47 16 00-0029		Multi-Station Indoor Water Coolers *(22 47 16 00-0001)*		
22 47 16 00-0030	EA	Stainless Steel, Wall Mounted, Two Station, Semi-Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II SER-Q)	3,626.33	224.51
22 47 16 00-0031	EA	Stainless Steel, Wall Mounted, Two Station, Electronic Sensor Semi Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II-SEREE-Q)	3,793.05	224.51
22 47 16 00-0032	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BL-CHILD ADA-SS)	1,650.27	224.51
22 47 16 00-0033		Outdoor Water Coolers *(22 47 16)*		
22 47 16 00-0034		Wall Mounted Outdoor Water Coolers *(22 47 16 00-0033)*		
22 47 16 00-0035	EA	Stainless Steel, Wall Mounted, Barrier Free, Vandal Resistant, Frost Resistant Outdoor Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8FR-CHILD ADA-SS)	1,314.64	93.55
22 47 16 00-0036	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Outdoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BLFR-CHILD ADA-SS)	2,092.08	93.55
22 47 16 00-0037		Free Standing Outdoor Water Coolers *(22 47 16 00-0033)*		
22 47 16 00-0038	EA	Stainless Steel Free-Standing Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-Q)	1,774.95	140.31
22 47 16 00-0039	EA	Stainless Steel Free-Standing Frost Resistant Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-FR-Q)	2,120.67	140.31
22 47 16 00-0040		Removal And Reinstallation Of Fixtures And Trim *(22 47 16)* Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 47 16 00-0041	EA	Remove And Reinstall Wall Hung Water Cooler	364.84	
22 47 16 00-0042	EA	Remove And Reinstall Floor Mount Water Cooler	81.30	
22 47 19		**Water-Station Water Coolers** *(22 47)*		
22 47 19 00-0001		Bottle Filler *(22 47 19)*		
22 47 19 00-0002	EA	Outdoor Tubular Bottle Filling Station, Surface Mount (Elkay LK4410BF)	3,154.78	149.67
		For Stainless Steel Carrier, Add	*205.00*	
22 47 19 00-0003	EA	Outdoor Tubular Bottle Filling Station, Surface Mount, Freeze Resistant (Elkay LK4410BFFRK)	4,002.07	149.67
		For Stainless Steel Carrier, Add	*205.00*	
22 47 19 00-0004	EA	Tri-level Outdoor Tubular Bottle Filling Station With Single Bottle Filler And Two Drinking Fountain Basins, Surface Mount (Elkay LK4430BF1)	5,143.33	168.38
		For Stainless Steel Carrier, Add	*205.00*	
22 47 19 00-0005	EA	Tri-level Outdoor Tubular Bottle Filling Station With Two Bottle Fillers And Single Drinking Fountain Basin, Surface Mount (Elkay LK4430BF2)	5,560.92	168.38
		For Stainless Steel Carrier, Add	*205.00*	
22 47 19 00-0006	EA	Tri-level Outdoor Tubular Bottle Filling Station With Three Bottle Fillers, Surface Mount (Elkay LK4430BF3)	5,978.51	168.38
		For Stainless Steel Carrier, Add	*205.00*	
22 47 23		**Remote Water Coolers** *(22 47)*		
22 47 23 00-0001		Remote Chillers *(22 47 23)*		
22 47 23 00-0002	EA	1.5 GPH Remote Chiller (Halsey-Taylor SJ1-Q)	707.36	50.51
22 47 23 00-0003	EA	5 GPH Remote Chiller (Halsey-Taylor SJ5-Q)	1,074.83	56.13
22 47 23 00-0004	EA	8 GPH Remote Chiller (Halsey-Taylor SJ8-Q)	853.12	65.48
22 47 23 00-0005	EA	10 GPH Remote Chiller (Halsey-Taylor SJ10-Q)	1,208.78	74.84
22 47 23 00-0006	EA	19 GPH Remote Chiller (Halsey-Taylor SJ19-Q)	1,716.22	112.25
22 47 23 00-0007	EA	30 GPH Remote Chiller (Halsey-Taylor SJ30-Q)	2,168.40	121.61
22 47 26		**Fixture Carriers** *(22 47)*		
22 47 26 00-0001		Water Cooler Carriers *(22 47 26)*		
22 47 26 00-0002		Floor Mounted, Water Cooler Carriers *(22 47 26 00-0001)* Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 47 26 00-0003	EA	Floor Mounted Hanger Plate Type, Single Water Cooler Carrier	315.42	28.44
		For Up To 4" Extension Sleeves And Hardware, Add	*14.68*	
		For Bi-Level Carrier, Add	*171.46*	
22 47 26 00-0004	EA	Floor Mounted Bearing Plate Type, Single Water Cooler Carrier	341.98	28.44
		For Up To 4" Extension Sleeves And Hardware, Add	*14.68*	
		For Bi-Level Carrier, Add	*171.46*	

22 50 Pool And Fountain Plumbing Systems *(22)*

22 51 Swimming Pool Plumbing Systems *(22 50)*

22 51 13 Swimming Pool Piping *(22 51)*

22 51 13 00-0001 Swimming Pool Gutters *(22 51 13)*

22 51 13 00-0002	LF	Swimming Pool Gutters, Stainless	219.49	16.84

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 19		**Swimming Pool Water Treatment Equipment** *(22 51)*		
22 51 19 00-0001		Swimming Pool Heaters *(22 51 19)* Note: Excludes wiring, external piping, base or pad. Commercial pools.		
22 51 19 00-0002		Electric Pool Heaters *(22 51 19 00-0001)*		
22 51 19 00-0003	EA	12 KW Heater (1 Degree/Hour), For 4,800 Gallon Pool	2,823.92	149.67
22 51 19 00-0004	EA	18 KW Heater (1 Degree/Hour), For 7,200 Gallon Pool	3,154.71	160.90
22 51 19 00-0005	EA	24 KW Heater (1 Degree/Hour), For 9,600 Gallon Pool	3,506.58	187.09
22 51 19 00-0006	EA	30 KW Heater (1 Degree/Hour), For 12,000 Gallon Pool	3,716.99	224.51
22 51 19 00-0007	EA	36 KW Heater (1 Degree/Hour), For 14,400 Gallon Pool	4,102.03	314.31
22 51 19 00-0008	EA	60 KW Heater (1 Degree/Hour), For 24,000 Gallon Pool	4,718.61	449.01
22 51 19 00-0009		Gas Fired Pool Heaters *(22 51 19 00-0001)*		
22 51 19 00-0010	EA	120 MBH Output Gas Fired Pool Heater	3,252.34	356.00
22 51 19 00-0011	EA	180 MBH Output Gas Fired Pool Heater	3,741.10	422.75
22 51 19 00-0012	EA	240 MBH Output Gas Fired Pool Heater	4,871.63	741.67
22 51 19 00-0013	EA	300 MBH Output Gas Fired Pool Heater	5,823.09	890.00
22 51 19 00-0014	EA	360 MBH Output Gas Fired Pool Heater	6,151.09	987.44
22 51 19 00-0015	EA	400 MBH Output Gas Fired Pool Heater	7,178.37	1,200.72
22 51 19 00-0016	EA	500 MBH Output Gas Fired Pool Heater	11,554.64	1,440.87
22 51 19 00-0017	EA	600 MBH Output Gas Fired Pool Heater	13,400.12	1,600.97
22 51 19 00-0018	EA	750 MBH Output Gas Fired Pool Heater	15,112.05	1,729.05
22 51 19 00-0019	EA	1,000 MBH Output Gas Fired Pool Heater	19,380.16	2,041.23
22 51 19 00-0020		Surge Tanks *(22 51 19)* Note: Includes 100 GPM vertical pump with 2 HP motor and electronic float switch. Prices are for 1' To 5' sump depth for pump.		
22 51 19 00-0021	EA	1,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	10,946.45	593.74
22 51 19 00-0022	EA	1,500 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	12,219.39	593.74
22 51 19 00-0023	EA	2,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	14,765.60	748.58
22 51 19 00-0024	EA	5,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	19,754.06	1,208.13
22 51 19 00-0025		Diatomite Type Filter System *(22 51 19)*		
22 51 19 00-0026	EA	35,000 Gallon Filter System, Diatomite	9,543.23	1,959.44
22 51 19 00-0027	EA	45,000 Gallon Filter System, Diatomite	11,378.58	2,351.33
22 51 19 00-0028		Silver Recovery System, X-Ray Film Processing *(22 51 19)*		
22 51 19 00-0029	EA	20 Gallon/Day Capacity, Silver Recovery System	1,330.60	254.05
22 51 19 00-0030	EA	40 Gallon/Day Capacity, Silver Recovery System	1,948.59	338.76
22 51 19 00-0031		Inline Water Filter *(22 51 19)* Note: 3/8" NPT threaded inlet and outlet, 125 PSI, includes one filter cartridge.		
22 51 19 00-0032	EA	2 GPM Water Filter, 100 Degree Temperature, 8" x 5" Diameter, Plastic Body	178.65	74.84
22 51 19 00-0033	EA	6 GPM Water Filter, 250 Degree Temperature, 12" x 5" Diameter, Stainless Steel Body	318.99	112.25

22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities *(22)*

22 63 Gas Systems For Laboratory And Healthcare Facilities *(22 60)*

22 63 13 Gas Piping For Laboratory And Healthcare Facilities *(22 63)*

22 63 13 53 Laboratory Gas Piping *(22 63 13)*

See CSI section 23 21 13 23-0001 for black steel pipe, 23 21 13 23-1951 for PVC piping.

22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities *(22 60)*

22 66 53 Laboratory Chemical-Waste And Vent Piping *(22 66)*

22 66 53 00-0001		Polypropylene Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings *(22 66 53)*		
22 66 53 00-0002		Schedule 40 Polypropylene Acid Resistant DWV Pipe And Fuseal Fittings *(22 66 53 00-0001)*		
22 66 53 00-0003		Schedule 40 Polypropylene Acid Resistant DWV Pipe *(22 66 53 00-0002)*		
22 66 53 00-0004	LF	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Pipe	10.02	4.26
		For Schedule 80, Add	*1.87*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*1.60*	
		For Work In Restricted Working Space, Add	*1.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0005	LF	2" Schedule 40 Polypropylene Acid Resistant DWV Pipe	12.08	4.78
		For Schedule 80, Add	*2.52*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*2.16*	
		For Work In Restricted Working Space, Add	*2.17*	
22 66 53 00-0006	LF	3" Schedule 40 Polypropylene Acid Resistant DWV Pipe	19.23	6.96
		For Schedule 80, Add	*4.56*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*3.90*	
		For Work In Restricted Working Space, Add	*3.14*	
22 66 53 00-0007	LF	4" Schedule 40 Polypropylene Acid Resistant DWV Pipe	26.04	9.06
		For Schedule 80, Add	*6.46*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*5.53*	
		For Work In Restricted Working Space, Add	*4.08*	
22 66 53 00-0008	LF	6" Schedule 40 Polypropylene Acid Resistant DWV Pipe	42.36	13.32
		For Schedule 80, Add	*11.65*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*9.97*	
		For Work In Restricted Working Space, Add	*5.99*	

22 66 53 00-0009 Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bends *(22 66 53 00-0002)*

22 66 53 00-0010	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	38.60	16.09
		For Work In Restricted Working Space, Add	*7.24*	
22 66 53 00-0011	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	49.81	21.25
		For Work In Restricted Working Space, Add	*9.56*	
22 66 53 00-0012	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	66.99	24.33
		For Work In Restricted Working Space, Add	*10.95*	
22 66 53 00-0013	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	96.82	32.18
		For Work In Restricted Working Space, Add	*14.48*	
22 66 53 00-0014	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	190.57	47.52
		For Work In Restricted Working Space, Add	*21.38*	

22 66 53 00-0015 Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bends *(22 66 53 00-0002)*

22 66 53 00-0016	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	38.36	16.09
		For Work In Restricted Working Space, Add	*7.24*	
22 66 53 00-0017	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	49.16	21.25
		For Work In Restricted Working Space, Add	*9.56*	
22 66 53 00-0018	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	68.24	24.33
		For Work In Restricted Working Space, Add	*10.95*	
22 66 53 00-0019	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	84.28	32.18
		For Work In Restricted Working Space, Add	*14.48*	
22 66 53 00-0020	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	171.13	47.52
		For Work In Restricted Working Space, Add	*21.38*	

22 66 53 00-0021 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tees *(22 66 53 00-0002)*

22 66 53 00-0022	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	69.57	34.43
		For Work In Restricted Working Space, Add	*15.48*	
22 66 53 00-0023	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	86.59	43.40
		For Work In Restricted Working Space, Add	*19.52*	
22 66 53 00-0024	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	114.32	47.52
		For Work In Restricted Working Space, Add	*21.38*	
22 66 53 00-0025	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	158.02	62.41
		For Work In Restricted Working Space, Add	*28.07*	
22 66 53 00-0026	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	277.89	99.83
		For Work In Restricted Working Space, Add	*44.90*	

22 66 53 00-0027 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tees *(22 66 53 00-0002)*

22 66 53 00-0028	EA	2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	86.56	43.40
		For Work In Restricted Working Space, Add	*19.52*	
22 66 53 00-0029	EA	3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	111.32	47.52
		For Work In Restricted Working Space, Add	*21.38*	
22 66 53 00-0030	EA	3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	108.65	47.52
		For Work In Restricted Working Space, Add	*21.38*	
22 66 53 00-0031	EA	4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	151.17	62.41
		For Work In Restricted Working Space, Add	*28.07*	
22 66 53 00-0032	EA	4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	153.75	62.41
		For Work In Restricted Working Space, Add	*28.07*	
22 66 53 00-0033	EA	6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	258.81	99.83
		For Work In Restricted Working Space, Add	*44.90*	

22 66 53 00-0034 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tees With Plug *(22 66 53 00-0002)*

22 66 53 00-0035	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	78.34	34.43
		For Work In Restricted Working Space, Add	*15.48*	
22 66 53 00-0036	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	88.71	43.40
		For Work In Restricted Working Space, Add	*19.52*	
22 66 53 00-0037	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	120.82	47.52
		For Work In Restricted Working Space, Add	*21.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0038	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	161.01	62.41
		For Work In Restricted Working Space, Add	*28.07*	
22 66 53 00-0039	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	240.89	99.83
		For Work In Restricted Working Space, Add	*44.90*	

22 66 53 00-0040 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wyes *(22 66 53 00-0002)*

22 66 53 00-0041	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	74.50	34.43
		For Work In Restricted Working Space, Add	*15.48*	
22 66 53 00-0042	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	91.15	43.40
		For Work In Restricted Working Space, Add	*19.52*	
22 66 53 00-0043	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	117.04	47.52
		For Work In Restricted Working Space, Add	*21.38*	
22 66 53 00-0044	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	160.27	62.41
		For Work In Restricted Working Space, Add	*28.07*	
22 66 53 00-0045	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	319.06	99.83
		For Work In Restricted Working Space, Add	*44.90*	

22 66 53 00-0046 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wyes *(22 66 53 00-0002)*

22 66 53 00-0047	EA	2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	97.18	43.40
		For Work In Restricted Working Space, Add	*19.52*	
22 66 53 00-0048	EA	3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	113.95	47.52
		For Work In Restricted Working Space, Add	*21.38*	
22 66 53 00-0049	EA	3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	113.95	47.52
		For Work In Restricted Working Space, Add	*21.38*	
22 66 53 00-0050	EA	4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	157.60	62.41
		For Work In Restricted Working Space, Add	*28.07*	
22 66 53 00-0051	EA	4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	157.60	62.41
		For Work In Restricted Working Space, Add	*28.07*	
22 66 53 00-0052	EA	6" x 6" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	283.60	99.83
		For Work In Restricted Working Space, Add	*44.90*	
22 66 53 00-0053	EA	6" x 6" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	285.67	99.83
		For Work In Restricted Working Space, Add	*44.90*	
22 66 53 00-0054	EA	6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	259.68	99.83
		For Work In Restricted Working Space, Add	*44.90*	

22 66 53 00-0055 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Crosses *(22 66 53 00-0002)*

22 66 53 00-0056	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	92.68	43.03
		For Work In Restricted Working Space, Add	*19.36*	
22 66 53 00-0057	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	115.09	54.25
		For Work In Restricted Working Space, Add	*24.41*	
22 66 53 00-0058	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	156.58	59.42
		For Work In Restricted Working Space, Add	*26.73*	
22 66 53 00-0059	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	218.00	77.98
		For Work In Restricted Working Space, Add	*35.08*	
22 66 53 00-0060	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	388.09	124.75
		For Work In Restricted Working Space, Add	*56.13*	

22 66 53 00-0061 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bends *(22 66 53 00-0002)*

22 66 53 00-0062	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	67.97	34.43
		For Work In Restricted Working Space, Add	*15.48*	
22 66 53 00-0063	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	88.97	43.40
		For Work In Restricted Working Space, Add	*19.52*	
22 66 53 00-0064	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	101.85	47.52
		For Work In Restricted Working Space, Add	*21.38*	
22 66 53 00-0065	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	141.11	62.41
		For Work In Restricted Working Space, Add	*28.07*	
22 66 53 00-0066	EA	2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	81.86	43.40
		For Work In Restricted Working Space, Add	*19.52*	
22 66 53 00-0067	EA	3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	98.99	47.52
		For Work In Restricted Working Space, Add	*21.38*	
22 66 53 00-0068	EA	3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	100.14	47.52
		For Work In Restricted Working Space, Add	*21.38*	
22 66 53 00-0069	EA	4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	136.85	62.41
		For Work In Restricted Working Space, Add	*28.07*	
22 66 53 00-0070	EA	4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	137.58	62.41
		For Work In Restricted Working Space, Add	*28.07*	

22 66 53 00-0071 Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Traps *(22 66 53 00-0002)*

22 66 53 00-0072	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	80.39	39.96
		For Work In Restricted Working Space, Add	*17.96*	
22 66 53 00-0073	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	107.01	52.54
		For Work In Restricted Working Space, Add	*23.63*	
22 66 53 00-0074	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	162.44	71.32
		For Work In Restricted Working Space, Add	*32.07*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0075		EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	229.37	90.78
			For Work In Restricted Working Space, Add	*40.82*	

22 66 53 00-0076 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapters *(22 66 53 00-0002)*

22 66 53 00-0077		EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	37.92	16.09
			For Work In Restricted Working Space, Add	*7.24*	
22 66 53 00-0078		EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	46.21	21.25
			For Work In Restricted Working Space, Add	*9.56*	
22 66 53 00-0079		EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	54.27	24.33
			For Work In Restricted Working Space, Add	*10.95*	
22 66 53 00-0080		EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	73.90	32.18
			For Work In Restricted Working Space, Add	*14.48*	
22 66 53 00-0081		EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	109.63	47.52
			For Work In Restricted Working Space, Add	*21.38*	

22 66 53 00-0082 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapters *(22 66 53 00-0002)*

22 66 53 00-0083		EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	36.19	16.09
			For Work In Restricted Working Space, Add	*7.24*	
22 66 53 00-0084		EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	47.52	21.25
			For Work In Restricted Working Space, Add	*9.56*	
22 66 53 00-0085		EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	56.67	24.33
			For Work In Restricted Working Space, Add	*10.95*	
22 66 53 00-0086		EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	76.25	32.18
			For Work In Restricted Working Space, Add	*14.48*	

22 66 53 00-0087 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Couplings *(22 66 53 00-0002)*

22 66 53 00-0088		EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	34.04	16.09
			For Work In Restricted Working Space, Add	*7.24*	
22 66 53 00-0089		EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	43.66	21.25
			For Work In Restricted Working Space, Add	*9.56*	
22 66 53 00-0090		EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	50.83	24.33
			For Work In Restricted Working Space, Add	*10.95*	
22 66 53 00-0091		EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	67.23	32.18
			For Work In Restricted Working Space, Add	*14.48*	
22 66 53 00-0092		EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	98.82	47.52
			For Work In Restricted Working Space, Add	*21.38*	

22 66 53 00-0093 Glass Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings *(22 66 53)*

22 66 53 00-0094 Glass Acid Resistant DWV Pipe *(22 66 53 00-0093)*

22 66 53 00-0095		LF	1-1/2" Glass Acid Resistant DWV Pipe	16.32	4.12
			For Work In Restricted Working Space, Add	*2.47*	
22 66 53 00-0096		LF	2" Glass Acid Resistant DWV Pipe	20.00	4.49
			For Work In Restricted Working Space, Add	*2.69*	
22 66 53 00-0097		LF	3" Glass Acid Resistant DWV Pipe	27.74	6.29
			For Work In Restricted Working Space, Add	*3.79*	
22 66 53 00-0098		LF	4" Glass Acid Resistant DWV Pipe	43.85	8.16
			For Work In Restricted Working Space, Add	*4.90*	
22 66 53 00-0099		LF	6" Glass Acid Resistant DWV Pipe	71.59	11.15
			For Work In Restricted Working Space, Add	*6.68*	

22 66 53 00-0100 Glass Acid Resistant DWV 90 Or 60 Degree Sweeps *(22 66 53 00-0093)*

22 66 53 00-0101		EA	1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	53.80	18.33
			For Work In Restricted Working Space, Add	*10.98*	
22 66 53 00-0102		EA	2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	60.56	19.46
			For Work In Restricted Working Space, Add	*11.65*	
22 66 53 00-0103		EA	3" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	79.93	22.08
			For Work In Restricted Working Space, Add	*13.25*	
22 66 53 00-0104		EA	4" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	115.50	29.19
			For Work In Restricted Working Space, Add	*17.51*	
22 66 53 00-0105		EA	6" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	254.95	40.41
			For Work In Restricted Working Space, Add	*24.25*	

22 66 53 00-0106 Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweeps *(22 66 53 00-0093)*

22 66 53 00-0107		EA	1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	53.96	18.41
			For Work In Restricted Working Space, Add	*11.03*	
22 66 53 00-0108		EA	2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	60.26	19.23
			For Work In Restricted Working Space, Add	*11.56*	
22 66 53 00-0109		EA	3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	79.78	22.00
			For Work In Restricted Working Space, Add	*13.20*	
22 66 53 00-0110		EA	4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	115.50	29.19
			For Work In Restricted Working Space, Add	*17.51*	
22 66 53 00-0111		EA	6" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	254.93	40.41
			For Work In Restricted Working Space, Add	*24.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0112		**Glass Acid Resistant DWV 90 Or 60 Degree Bends** *(22 66 53 00-0093)*		
22 66 53 00-0113	EA	1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Bend	54.43	18.41
		For Work In Restricted Working Space, Add	*11.03*	
22 66 53 00-0114	EA	2" Glass Acid Resistant DWV 90 Or 60 Degree Bend	60.83	19.23
		For Work In Restricted Working Space, Add	*11.56*	
22 66 53 00-0115	EA	3" Glass Acid Resistant DWV 90 Or 60 Degree Bend	80.77	22.00
		For Work In Restricted Working Space, Add	*13.20*	
22 66 53 00-0116	EA	4" Glass Acid Resistant DWV 90 Or 60 Degree Bend	115.50	29.19
		For Work In Restricted Working Space, Add	*17.51*	
22 66 53 00-0117		**Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bends** *(22 66 53 00-0093)*		
22 66 53 00-0118	EA	1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend	54.43	18.41
		For Work In Restricted Working Space, Add	*11.03*	
22 66 53 00-0119	EA	2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend	60.83	19.23
		For Work In Restricted Working Space, Add	*11.56*	
22 66 53 00-0120	EA	3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend	80.77	22.00
		For Work In Restricted Working Space, Add	*13.20*	
22 66 53 00-0121	EA	4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend	115.50	29.19
		For Work In Restricted Working Space, Add	*17.51*	
22 66 53 00-0122		**Glass Acid Resistant DWV 90 Degree Bends With Long Leg** *(22 66 53 00-0093)*		
22 66 53 00-0123	EA	1-1/2" Glass Acid Resistant DWV 90 Degree Bend With Long Leg	61.14	18.41
		For Work In Restricted Working Space, Add	*11.03*	
22 66 53 00-0124	EA	2" Glass Acid Resistant DWV 90 Degree Bends With Long Leg	70.47	19.23
		For Work In Restricted Working Space, Add	*11.56*	
22 66 53 00-0125		**Glass Acid Resistant DWV Double Quarter Bends** *(22 66 53 00-0093)*		
22 66 53 00-0126	EA	1-1/2" Glass Acid Resistant DWV Double Quarter Bend	85.88	27.54
		For Work In Restricted Working Space, Add	*16.54*	
22 66 53 00-0127	EA	2" x 1-1/2" Glass Acid Resistant DWV Double Quarter Bend	103.57	28.52
		For Work In Restricted Working Space, Add	*17.11*	
22 66 53 00-0128	EA	2" Glass Acid Resistant DWV Double Quarter Bend	98.16	28.89
		For Work In Restricted Working Space, Add	*17.35*	
22 66 53 00-0129	EA	3" Glass Acid Resistant DWV Double Quarter Bend	128.56	33.00
		For Work In Restricted Working Space, Add	*19.81*	
22 66 53 00-0130	EA	4" Glass Acid Resistant DWV Double Quarter Bend	204.49	43.78
		For Work In Restricted Working Space, Add	*26.27*	
22 66 53 00-0131	EA	6" Glass Acid Resistant DWV Double Quarter Bend	308.97	60.62
		For Work In Restricted Working Space, Add	*36.38*	
22 66 53 00-0132		**Glass Acid Resistant DWV Sanitary Tees** *(22 66 53 00-0093)*		
22 66 53 00-0133	EA	1-1/2" Glass Acid Resistant DWV Sanitary Tee	83.12	27.69
		For Work In Restricted Working Space, Add	*16.61*	
22 66 53 00-0134	EA	2" Glass Acid Resistant DWV Sanitary Tee	85.37	28.81
		For Work In Restricted Working Space, Add	*17.29*	
22 66 53 00-0135	EA	3" Glass Acid Resistant DWV Sanitary Tee	107.24	32.93
		For Work In Restricted Working Space, Add	*19.76*	
22 66 53 00-0136	EA	4" Glass Acid Resistant DWV Sanitary Tee	161.80	43.78
		For Work In Restricted Working Space, Add	*26.27*	
22 66 53 00-0137	EA	6" Glass Acid Resistant DWV Sanitary Tee	320.14	60.62
		For Work In Restricted Working Space, Add	*36.37*	
22 66 53 00-0138		**Glass Acid Resistant DWV Reducing Sanitary Tees** *(22 66 53 00-0093)*		
22 66 53 00-0139	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee	84.61	28.44
		For Work In Restricted Working Space, Add	*17.06*	
22 66 53 00-0140	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee	98.70	31.05
		For Work In Restricted Working Space, Add	*18.64*	
22 66 53 00-0141	EA	3" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee	104.00	31.81
		For Work In Restricted Working Space, Add	*19.08*	
22 66 53 00-0142	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee	132.42	38.54
		For Work In Restricted Working Space, Add	*23.12*	
22 66 53 00-0143	EA	4" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee	137.73	38.91
		For Work In Restricted Working Space, Add	*23.35*	
22 66 53 00-0144	EA	4" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee	144.08	40.04
		For Work In Restricted Working Space, Add	*24.02*	
22 66 53 00-0145	EA	6" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee	239.88	50.14
		For Work In Restricted Working Space, Add	*30.08*	
22 66 53 00-0146	EA	6" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee	256.71	51.26
		For Work In Restricted Working Space, Add	*30.76*	
22 66 53 00-0147	EA	6" x 4" Glass Acid Resistant DWV Reducing Sanitary Tee	264.98	55.01
		For Work In Restricted Working Space, Add	*33.00*	
22 66 53 00-0148		**Glass Acid Resistant DWV Double Sanitary Tees** *(22 66 53 00-0093)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0149	EA	1-1/2" Glass Acid Resistant DWV Double Sanitary Tee	115.90	36.66
		For Work In Restricted Working Space, Add	*22.01*	
22 66 53 00-0150	EA	2" Glass Acid Resistant DWV Double Sanitary Tee	119.63	38.54
		For Work In Restricted Working Space, Add	*23.12*	
22 66 53 00-0151	EA	3" Glass Acid Resistant DWV Double Sanitary Tee	150.85	44.15
		For Work In Restricted Working Space, Add	*26.49*	
22 66 53 00-0152	EA	4" Glass Acid Resistant DWV Double Sanitary Tee	236.58	58.37
		For Work In Restricted Working Space, Add	*35.02*	
22 66 53 00-0153	EA	6" Glass Acid Resistant DWV Double Sanitary Tee	406.07	80.82
		For Work In Restricted Working Space, Add	*48.50*	

22 66 53 00-0154 Glass Acid Resistant DWV Reducing Double Sanitary Tees *(22 66 53 00-0093)*

22 66 53 00-0155	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	118.13	37.79
		For Work In Restricted Working Space, Add	*22.67*	
22 66 53 00-0156	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	134.19	40.41
		For Work In Restricted Working Space, Add	*24.25*	
22 66 53 00-0157	EA	3" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	140.72	41.16
		For Work In Restricted Working Space, Add	*24.70*	
22 66 53 00-0158	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	196.29	47.52
		For Work In Restricted Working Space, Add	*28.52*	
22 66 53 00-0159	EA	4" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	195.51	48.64
		For Work In Restricted Working Space, Add	*29.18*	
22 66 53 00-0160	EA	4" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee	209.18	51.26
		For Work In Restricted Working Space, Add	*30.76*	
22 66 53 00-0161	EA	6" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	271.73	59.87
		For Work In Restricted Working Space, Add	*35.91*	
22 66 53 00-0162	EA	6" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee	293.69	62.49
		For Work In Restricted Working Space, Add	*37.49*	
22 66 53 00-0163	EA	6" x 4" Glass Acid Resistant DWV Reducing Double Sanitary Tee	331.81	69.59
		For Work In Restricted Working Space, Add	*41.75*	

22 66 53 00-0164 Glass Acid Resistant DWV Tees *(22 66 53 00-0093)*

22 66 53 00-0165	EA	1-1/2" Glass Acid Resistant DWV Tee	89.71	27.69
		For Work In Restricted Working Space, Add	*16.61*	
22 66 53 00-0166	EA	2" Glass Acid Resistant DWV Tee	91.95	28.81
		For Work In Restricted Working Space, Add	*17.29*	
22 66 53 00-0167	EA	3" Glass Acid Resistant DWV Tee	115.42	32.93
		For Work In Restricted Working Space, Add	*19.76*	
22 66 53 00-0168	EA	4" Glass Acid Resistant DWV Tee	174.63	43.78
		For Work In Restricted Working Space, Add	*26.27*	
22 66 53 00-0169	EA	6" Glass Acid Resistant DWV Tee	335.53	60.62
		For Work In Restricted Working Space, Add	*36.38*	

22 66 53 00-0170 Glass Acid Resistant DWV Reducing Tees *(22 66 53 00-0093)*

22 66 53 00-0171	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Tee	91.20	28.44
		For Work In Restricted Working Space, Add	*17.06*	
22 66 53 00-0172	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Tee	105.57	31.05
		For Work In Restricted Working Space, Add	*18.64*	
22 66 53 00-0173	EA	3" x 2" Glass Acid Resistant DWV Reducing Tee	108.04	31.81
		For Work In Restricted Working Space, Add	*19.08*	
22 66 53 00-0174	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Tee	133.94	38.54
		For Work In Restricted Working Space, Add	*23.13*	
22 66 53 00-0175	EA	4" x 2" Glass Acid Resistant DWV Reducing Tee	137.02	38.91
		For Work In Restricted Working Space, Add	*23.35*	
22 66 53 00-0176	EA	4" x 3" Glass Acid Resistant DWV Reducing Tee	159.51	40.04
		For Work In Restricted Working Space, Add	*24.03*	
22 66 53 00-0177	EA	6" x 3" Glass Acid Resistant DWV Reducing Tee	284.90	51.26
		For Work In Restricted Working Space, Add	*30.75*	
22 66 53 00-0178	EA	6" x 4" Glass Acid Resistant DWV Reducing Tee	297.97	55.01
		For Work In Restricted Working Space, Add	*32.99*	

22 66 53 00-0179 Glass Acid Resistant DWV Test Tees With Cleanout *(22 66 53 00-0093)*

22 66 53 00-0180	EA	1-1/2" Glass Acid Resistant DWV Test Tee With Cleanout	100.99	27.69
		For Work In Restricted Working Space, Add	*16.61*	
22 66 53 00-0181	EA	2" Glass Acid Resistant DWV Test Tee With Cleanout	111.08	28.81
		For Work In Restricted Working Space, Add	*17.29*	
22 66 53 00-0182	EA	3" Glass Acid Resistant DWV Test Tee With Cleanout	139.54	32.93
		For Work In Restricted Working Space, Add	*19.76*	
22 66 53 00-0183	EA	4" Glass Acid Resistant DWV Test Tee With Cleanout	229.60	43.78
		For Work In Restricted Working Space, Add	*26.27*	
22 66 53 00-0184	EA	6" Glass Acid Resistant DWV Test Tee With Cleanout	335.53	60.62
		For Work In Restricted Working Space, Add	*36.38*	

22 66 53 00-0185 Glass Acid Resistant DWV Wyes *(22 66 53 00-0093)*

22 66 53 00-0186	EA	1-1/2" Glass Acid Resistant DWV Wye	84.53	27.69
		For Work In Restricted Working Space, Add	*16.61*	
22 66 53 00-0187	EA	2" Glass Acid Resistant DWV Wye	86.77	28.81
		For Work In Restricted Working Space, Add	*17.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0188	EA	3" Glass Acid Resistant DWV Wye	112.88	32.93
		For Work In Restricted Working Space, Add	*19.76*	
22 66 53 00-0189	EA	4" Glass Acid Resistant DWV Wye	168.10	43.78
		For Work In Restricted Working Space, Add	*26.27*	
22 66 53 00-0190	EA	6" Glass Acid Resistant DWV Wye	315.83	60.62
		For Work In Restricted Working Space, Add	*36.38*	

22 66 53 00-0191 Glass Acid Resistant DWV Reducing Wyes *(22 66 53 00-0093)*

22 66 53 00-0192	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Wye	86.02	28.44
		For Work In Restricted Working Space, Add	*17.06*	
22 66 53 00-0193	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Wye	101.62	31.05
		For Work In Restricted Working Space, Add	*18.64*	
22 66 53 00-0194	EA	3" x 2" Glass Acid Resistant DWV Reducing Wye	104.33	31.81
		For Work In Restricted Working Space, Add	*19.08*	
22 66 53 00-0195	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Wye	138.08	38.54
		For Work In Restricted Working Space, Add	*23.13*	
22 66 53 00-0196	EA	4" x 2" Glass Acid Resistant DWV Reducing Wye	139.37	38.91
		For Work In Restricted Working Space, Add	*23.35*	
22 66 53 00-0197	EA	4" x 3" Glass Acid Resistant DWV Reducing Wye	149.63	40.04
		For Work In Restricted Working Space, Add	*24.03*	
22 66 53 00-0198	EA	6" x 2" Glass Acid Resistant DWV Reducing Wye	233.75	50.14
		For Work In Restricted Working Space, Add	*30.08*	
22 66 53 00-0199	EA	6" x 3" Glass Acid Resistant DWV Reducing Wye	265.34	51.26
		For Work In Restricted Working Space, Add	*30.75*	
22 66 53 00-0200	EA	6" x 4" Glass Acid Resistant DWV Reducing Wye	287.81	55.01
		For Work In Restricted Working Space, Add	*32.99*	

22 66 53 00-0201 Glass Acid Resistant DWV Double Wyes *(22 66 53 00-0093)*

22 66 53 00-0202	EA	1-1/2" Glass Acid Resistant DWV Double Wye	130.09	36.66
		For Work In Restricted Working Space, Add	*22.00*	
22 66 53 00-0203	EA	2" Glass Acid Resistant DWV Double Wye	133.84	38.54
		For Work In Restricted Working Space, Add	*23.13*	
22 66 53 00-0204	EA	3" Glass Acid Resistant DWV Double Wye	172.88	44.15
		For Work In Restricted Working Space, Add	*26.49*	
22 66 53 00-0205	EA	4" Glass Acid Resistant DWV Double Wye	259.09	58.37
		For Work In Restricted Working Space, Add	*35.01*	
22 66 53 00-0206	EA	6" Glass Acid Resistant DWV Double Wye	418.26	80.82
		For Work In Restricted Working Space, Add	*48.51*	

22 66 53 00-0207 Glass Acid Resistant DWV Reducing Double Wyes *(22 66 53 00-0093)*

22 66 53 00-0208	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye	132.32	37.79
		For Work In Restricted Working Space, Add	*22.67*	
22 66 53 00-0209	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye	137.56	40.41
		For Work In Restricted Working Space, Add	*24.24*	
22 66 53 00-0210	EA	3" x 2" Glass Acid Resistant DWV Reducing Double Wye	154.49	41.16
		For Work In Restricted Working Space, Add	*24.69*	
22 66 53 00-0211	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye	187.47	47.52
		For Work In Restricted Working Space, Add	*28.52*	
22 66 53 00-0212	EA	4" x 2" Glass Acid Resistant DWV Reducing Double Wye	196.65	48.64
		For Work In Restricted Working Space, Add	*29.19*	
22 66 53 00-0213	EA	4" x 3" Glass Acid Resistant DWV Reducing Double Wye	226.41	51.26
		For Work In Restricted Working Space, Add	*30.75*	
22 66 53 00-0214	EA	6" x 2" Glass Acid Resistant DWV Reducing Double Wye	334.31	59.87
		For Work In Restricted Working Space, Add	*35.91*	
22 66 53 00-0215	EA	6" x 3" Glass Acid Resistant DWV Reducing Double Wye	350.62	62.49
		For Work In Restricted Working Space, Add	*37.49*	
22 66 53 00-0216	EA	6" x 4" Glass Acid Resistant DWV Reducing Double Wye	377.14	69.59
		For Work In Restricted Working Space, Add	*41.76*	

22 66 53 00-0217 Glass Acid Resistant DWV Combination Wye And 1/8 Bends *(22 66 53 00-0093)*

22 66 53 00-0218	EA	1-1/2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend	91.98	27.69
		For Work In Restricted Working Space, Add	*16.61*	
22 66 53 00-0219	EA	2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend	94.53	28.81
		For Work In Restricted Working Space, Add	*17.29*	
22 66 53 00-0220	EA	3" Glass Acid Resistant DWV Combination Wye And 1/8 Bend	117.49	32.93
		For Work In Restricted Working Space, Add	*19.76*	
22 66 53 00-0221	EA	4" Glass Acid Resistant DWV Combination Wye And 1/8 Bend	170.49	43.78
		For Work In Restricted Working Space, Add	*26.27*	
22 66 53 00-0222	EA	6" Glass Acid Resistant DWV Combination Wye And 1/8 Bend	309.11	60.62
		For Work In Restricted Working Space, Add	*36.38*	

22 66 53 00-0223 Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bends *(22 66 53 00-0093)*

22 66 53 00-0224	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	93.78	28.44
		For Work In Restricted Working Space, Add	*17.06*	
22 66 53 00-0225	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	102.79	31.05
		For Work In Restricted Working Space, Add	*18.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0226	EA	3" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	109.03	31.81
		For Work In Restricted Working Space, Add	*19.08*	
22 66 53 00-0227	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	135.25	38.54
		For Work In Restricted Working Space, Add	*23.13*	
22 66 53 00-0228	EA	4" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	139.98	38.91
		For Work In Restricted Working Space, Add	*23.35*	
22 66 53 00-0229	EA	4" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	150.34	40.04
		For Work In Restricted Working Space, Add	*24.03*	
22 66 53 00-0230	EA	6" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	234.18	50.14
		For Work In Restricted Working Space, Add	*30.08*	
22 66 53 00-0231	EA	6" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	261.25	51.26
		For Work In Restricted Working Space, Add	*30.75*	
22 66 53 00-0232	EA	6" x 4" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	269.00	55.01
		For Work In Restricted Working Space, Add	*32.99*	

22 66 53 00-0233 Glass Acid Resistant DWV Double Combination Wye And 1/8 Bends *(22 66 53 00-0093)*

22 66 53 00-0234	EA	1-1/2" Double Glass Combination Wye And 1/8 Bend	123.04	36.66
		For Work In Restricted Working Space, Add	*22.00*	
22 66 53 00-0235	EA	2" Double Glass Combination Wye And 1/8 Bend	139.77	38.54
		For Work In Restricted Working Space, Add	*23.13*	
22 66 53 00-0236	EA	3" Double Glass Combination Wye And 1/8 Bend	181.81	44.15
		For Work In Restricted Working Space, Add	*26.49*	
22 66 53 00-0237	EA	4" Double Glass Combination Wye And 1/8 Bend	279.87	58.37
		For Work In Restricted Working Space, Add	*35.01*	
22 66 53 00-0238	EA	6" Double Glass Combination Wye And 1/8 Bend	451.44	80.82
		For Work In Restricted Working Space, Add	*48.51*	

22 66 53 00-0239 Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends *(22 66 53 00-0093)*

22 66 53 00-0240	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	126.35	37.79
		For Work In Restricted Working Space, Add	*22.67*	
22 66 53 00-0241	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	154.21	40.41
		For Work In Restricted Working Space, Add	*24.24*	
22 66 53 00-0242	EA	3" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	152.98	41.16
		For Work In Restricted Working Space, Add	*24.69*	
22 66 53 00-0243	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	199.03	47.52
		For Work In Restricted Working Space, Add	*28.52*	
22 66 53 00-0244	EA	4" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	198.48	48.64
		For Work In Restricted Working Space, Add	*29.19*	
22 66 53 00-0245	EA	4" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	219.87	51.26
		For Work In Restricted Working Space, Add	*30.75*	
22 66 53 00-0246	EA	6" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	304.01	59.87
		For Work In Restricted Working Space, Add	*35.91*	
22 66 53 00-0247	EA	6" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	322.88	62.49
		For Work In Restricted Working Space, Add	*37.49*	
22 66 53 00-0248	EA	6" x 4" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	373.84	69.59
		For Work In Restricted Working Space, Add	*41.76*	

22 66 53 00-0249 Glass Acid Resistant DWV Partition Crosses (Compact) *(22 66 53 00-0093)*

22 66 53 00-0250	EA	2" x 1-1/2" Glass Acid Resistant DWV Partition Cross (Compact)	135.76	37.79
		For Work In Restricted Working Space, Add	*22.67*	
22 66 53 00-0251	EA	2" Glass Acid Resistant DWV Partition Cross (Compact)	137.28	38.54
		For Work In Restricted Working Space, Add	*23.13*	
22 66 53 00-0252	EA	2" x 1-1/2" x 1-1/2" x 1-1/2" Glass Acid Resistant DWV Partition Cross (Compact)	143.77	37.42
		For Work In Restricted Working Space, Add	*22.45*	

22 66 53 00-0253 Glass Acid Resistant DWV Upright Y Or H (Vent Branch) *(22 66 53 00-0093)*

22 66 53 00-0254	EA	1-1/2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	125.63	27.69
		For Work In Restricted Working Space, Add	*16.61*	
22 66 53 00-0255	EA	2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	137.04	28.81
		For Work In Restricted Working Space, Add	*17.29*	
22 66 53 00-0256	EA	3" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	157.50	32.93
		For Work In Restricted Working Space, Add	*19.76*	
22 66 53 00-0257	EA	4" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	227.39	43.78
		For Work In Restricted Working Space, Add	*26.27*	
22 66 53 00-0258	EA	6" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	409.36	60.62
		For Work In Restricted Working Space, Add	*36.38*	

22 66 53 00-0259 Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch) *(22 66 53 00-0093)*

22 66 53 00-0260	EA	2" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)	126.84	28.44
		For Work In Restricted Working Space, Add	*17.06*	
22 66 53 00-0261	EA	3" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)	143.65	31.05
		For Work In Restricted Working Space, Add	*18.64*	
22 66 53 00-0262	EA	3" x 2" Reducing Glass Upright Y Or H (Vent Branch)	151.96	31.81
		For Work In Restricted Working Space, Add	*19.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0263	EA	4" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)	177.57	38.54
		For Work In Restricted Working Space, Add	*23.13*	
22 66 53 00-0264	EA	4" x 2" Reducing Glass Upright Y Or H (Vent Branch)	186.44	38.91
		For Work In Restricted Working Space, Add	*23.35*	
22 66 53 00-0265	EA	4" x 3" Reducing Glass Upright Y Or H (Vent Branch)	202.63	40.04
		For Work In Restricted Working Space, Add	*24.03*	
22 66 53 00-0266	EA	6" x 3" Reducing Glass Upright Y Or H (Vent Branch)	286.83	51.26
		For Work In Restricted Working Space, Add	*30.75*	
22 66 53 00-0267	EA	6" x 4" Reducing Glass Upright Y Or H (Vent Branch)	324.02	55.01
		For Work In Restricted Working Space, Add	*32.99*	

22 66 53 00-0268 Glass Acid Resistant DWV Reducers Or Increasers *(22 66 53 00-0093)*

22 66 53 00-0269	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser	52.47	18.71
		For Eccentric Reducers Or Increasers, Add	*1.20*	
		For Work In Restricted Working Space, Add	*11.23*	
22 66 53 00-0270	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser	62.75	20.21
		For Eccentric Reducers Or Increasers, Add	*1.79*	
		For Work In Restricted Working Space, Add	*12.12*	
22 66 53 00-0271	EA	3" x 2" Glass Acid Resistant DWV Reducer Or Increaser	66.18	20.58
		For Eccentric Reducers Or Increasers, Add	*2.00*	
		For Work In Restricted Working Space, Add	*12.35*	
22 66 53 00-0272	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser	82.84	23.94
		For Eccentric Reducers Or Increasers, Add	*2.80*	
		For Work In Restricted Working Space, Add	*14.37*	
22 66 53 00-0273	EA	4" x 2" Glass Acid Resistant DWV Reducer Or Increaser	85.74	24.33
		For Eccentric Reducers Or Increasers, Add	*2.97*	
		For Work In Restricted Working Space, Add	*14.59*	
22 66 53 00-0274	EA	4" x 3" Glass Acid Resistant DWV Reducer Or Increaser	91.00	25.44
		For Eccentric Reducers Or Increasers, Add	*3.21*	
		For Work In Restricted Working Space, Add	*15.27*	
22 66 53 00-0275	EA	6" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser	160.68	29.56
		For Eccentric Reducers Or Increasers, Add	*8.12*	
		For Work In Restricted Working Space, Add	*17.74*	
22 66 53 00-0276	EA	6" x 2" Glass Acid Resistant DWV Reducer Or Increaser	167.88	29.94
		For Eccentric Reducers Or Increasers, Add	*8.64*	
		For Work In Restricted Working Space, Add	*17.96*	
22 66 53 00-0277	EA	6" x 3" Glass Acid Resistant DWV Reducer Or Increaser	177.50	31.05
		For Eccentric Reducers Or Increasers, Add	*9.23*	
		For Work In Restricted Working Space, Add	*18.63*	
22 66 53 00-0278	EA	6" x 4" Glass Acid Resistant DWV Reducer Or Increaser	188.32	34.80
		For Eccentric Reducers Or Increasers, Add	*9.50*	
		For Work In Restricted Working Space, Add	*20.88*	

22 66 53 00-0279 Glass Acid Resistant DWV Swivel P-Traps *(22 66 53 00-0093)*

22 66 53 00-0280	EA	1-1/2" Glass Acid Resistant DWV Swivel P-Trap	108.33	27.69
		For Work In Restricted Working Space, Add	*16.61*	
22 66 53 00-0281	EA	2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap	114.85	28.44
		For Work In Restricted Working Space, Add	*17.06*	
22 66 53 00-0282	EA	2" Glass Acid Resistant DWV Swivel P-Trap	126.19	28.81
		For Work In Restricted Working Space, Add	*17.29*	
22 66 53 00-0283	EA	1-1/2" Glass Acid Resistant DWV Swivel P-Trap	115.19	27.69
		For Work In Restricted Working Space, Add	*16.61*	
22 66 53 00-0284	EA	2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap	123.59	28.44
		For Work In Restricted Working Space, Add	*17.06*	
22 66 53 00-0285	EA	2" Glass Acid Resistant DWV Swivel P-Trap	136.06	28.81
		For Work In Restricted Working Space, Add	*17.29*	
22 66 53 00-0286	EA	1-1/2" Glass Acid Resistant DWV Swivel P-Trap	117.07	27.69
		For Work In Restricted Working Space, Add	*16.61*	
22 66 53 00-0287	EA	2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap	123.59	28.44
		For Work In Restricted Working Space, Add	*17.06*	
22 66 53 00-0288	EA	2" Glass Acid Resistant DWV Swivel P-Trap	136.06	28.81
		For Work In Restricted Working Space, Add	*17.29*	

22 66 53 00-0289 Glass Acid Resistant DWV Drum P-Traps *(22 66 53 00-0093)*

22 66 53 00-0290	EA	1-1/2" Glass Acid Resistant DWV Drum P-Trap	138.42	27.69
		For Work In Restricted Working Space, Add	*16.61*	
22 66 53 00-0291	EA	2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap	168.31	28.44
		For Work In Restricted Working Space, Add	*17.06*	
22 66 53 00-0292	EA	2" Glass Acid Resistant DWV Drum P-Trap	172.83	28.81
		For Work In Restricted Working Space, Add	*17.29*	
22 66 53 00-0293	EA	1-1/2" Glass Acid Resistant DWV Drum P-Trap	149.84	27.69
		For Work In Restricted Working Space, Add	*16.61*	
22 66 53 00-0294	EA	2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap	158.01	28.44
		For Work In Restricted Working Space, Add	*17.06*	
22 66 53 00-0295	EA	2" Glass Acid Resistant DWV Drum P-Trap	175.04	28.81
		For Work In Restricted Working Space, Add	*17.29*	

22 66 53 00-0296 Glass Acid Resistant DWV Cleanout Plugs *(22 66 53 00-0093)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0297	EA	1-1/2" Glass Acid Resistant DWV Cleanout Plug	25.72	9.36
		For Work In Restricted Working Space, Add	*5.61*	
22 66 53 00-0298	EA	2" Glass Acid Resistant DWV Cleanout Plug	28.30	9.73
		For Work In Restricted Working Space, Add	*5.84*	
22 66 53 00-0299	EA	3" Glass Acid Resistant DWV Cleanout Plug	34.36	10.85
		For Work In Restricted Working Space, Add	*6.51*	
22 66 53 00-0300	EA	4" Glass Acid Resistant DWV Cleanout Plug	51.95	14.60
		For Work In Restricted Working Space, Add	*8.76*	
22 66 53 00-0301	EA	6" Glass Acid Resistant DWV Cleanout Plug	73.65	20.21
		For Work In Restricted Working Space, Add	*12.12*	

22 66 53 00-0302 Glass Acid Resistant DWV Sink Fittings *(22 66 53 00-0093)*

22 66 53 00-0303	EA	1-1/2" Glass Acid Resistant DWV Interceptor Trap	274.17	36.66
		For Work In Restricted Working Space, Add	*22.00*	
22 66 53 00-0304	EA	1-1/2" x 6-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly	31.73	9.36
		For Work In Restricted Working Space, Add	*5.61*	
22 66 53 00-0305	EA	1-1/2" x 10-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly	34.23	9.36
		For Work In Restricted Working Space, Add	*5.61*	
22 66 53 00-0306	EA	1-1/2" Split Coupling (Threaded To Beaded Pipe) For Glass Acid Resistant DWV Pipe And Fittings	52.84	18.71
		For Work In Restricted Working Space, Add	*11.23*	
22 66 53 00-0307	EA	3" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings	90.40	19.46
		For Work In Restricted Working Space, Add	*11.67*	
22 66 53 00-0308	EA	6" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings	91.34	19.46
		For Work In Restricted Working Space, Add	*11.67*	
22 66 53 00-0309	EA	3" x 9" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings	100.74	19.46
		For Work In Restricted Working Space, Add	*11.67*	
22 66 53 00-0310	EA	3" x 6" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings	85.32	19.46
		For Work In Restricted Working Space, Add	*11.67*	

22 66 53 00-0311 Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapters *(22 66 53 00-0093)*

Note: Includes teflon spacer.

22 66 53 00-0312	EA	1-1/2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter	90.11	27.62
		For Work In Restricted Working Space, Add	*16.57*	
22 66 53 00-0313	EA	2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter	94.17	28.96
		For Work In Restricted Working Space, Add	*17.38*	
22 66 53 00-0314	EA	3" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter	123.86	33.00
		For Work In Restricted Working Space, Add	*19.81*	
22 66 53 00-0315	EA	4" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter	173.73	43.86
		For Work In Restricted Working Space, Add	*26.29*	

22 66 53 00-0316 Bead To Bead Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings *(22 66 53 00-0093)*

Note: Includes segmented stainless steel outer band, Buna-N rubber compression liner with TFE seal ring, stainless steel bolt and silver plated stainless hex nut.

22 66 53 00-0317	EA	1-1/2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	11.80
22 66 53 00-0318	EA	2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	14.89
22 66 53 00-0319	EA	3" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	19.91
22 66 53 00-0320	EA	4" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	33.54
22 66 53 00-0321	EA	6" Bead To Bead, Stainless Steel, TFE Seal Ring Couplings, Glass Piping	78.13

22 66 53 00-0322 Bead To Plain End Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings *(22 66 53 00-0093)*

Note: Includes stainless steel band with bolt, Buna-N rubber compression liner with TFE seal ring and silver plated stainless hex nut.

22 66 53 00-0323	EA	1-1/2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	15.22
22 66 53 00-0324	EA	2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	19.04
22 66 53 00-0325	EA	3" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	32.33
22 66 53 00-0326	EA	4" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	48.20
22 66 53 00-0327	EA	6" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	117.52

22 66 53 00-0328 Bell And Spigot High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings *(22 66 53)*

Note: Acid resistant. ASTM A518.

22 66 53 00-0329 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe *(22 66 53 00-0328)*

22 66 53 00-0330	LF	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	62.67	6.66
22 66 53 00-0331	LF	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	87.91	8.31
22 66 53 00-0332	LF	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	119.17	9.58
22 66 53 00-0333	LF	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	195.64	13.88
22 66 53 00-0334	LF	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	343.23	18.47
22 66 53 00-0335	LF	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	604.21	23.29
22 66 53 00-0336	LF	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	1,074.41	31.37
22 66 53 00-0337	LF	15" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	1,907.77	35.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0338		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Fittings** *(22 66 53 00-0328)*		
22 66 53 00-0339		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweeps** *(22 66 53 00-0338)*		
22 66 53 00-0340	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	258.45	56.73
22 66 53 00-0341	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	334.73	62.41
22 66 53 00-0342	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	536.59	74.69
22 66 53 00-0343	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	797.28	91.71
22 66 53 00-0344	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	1,811.73	148.41
22 66 53 00-0345		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends** *(22 66 53 00-0338)*		
22 66 53 00-0346	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	156.80	56.73
22 66 53 00-0347	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	201.19	62.41
22 66 53 00-0348	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	251.56	74.69
22 66 53 00-0349	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	639.81	91.71
22 66 53 00-0350	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	1,432.42	148.41
22 66 53 00-0351	EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	2,163.57	184.90
22 66 53 00-0352	EA	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	3,162.82	222.35
22 66 53 00-0353		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends** *(22 66 53 00-0338)*		
22 66 53 00-0354	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	156.80	56.73
22 66 53 00-0355	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	201.19	62.41
22 66 53 00-0356	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	251.56	74.69
22 66 53 00-0357	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	476.36	91.71
22 66 53 00-0358	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	1,221.13	148.41
22 66 53 00-0359	EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	1,775.18	184.90
22 66 53 00-0360	EA	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	2,505.35	222.35
22 66 53 00-0361		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends** *(22 66 53 00-0338)*		
22 66 53 00-0362	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	156.80	56.73
22 66 53 00-0363	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	201.19	62.41
22 66 53 00-0364	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	251.38	74.61
22 66 53 00-0365		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweeps** *(22 66 53 00-0338)*		
22 66 53 00-0366	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	208.62	56.73
22 66 53 00-0367	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	358.65	62.41
22 66 53 00-0368	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	403.05	74.69
22 66 53 00-0369		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tees** *(22 66 53 00-0338)*		
22 66 53 00-0370	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	222.95	84.86
22 66 53 00-0371	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	276.58	94.07
22 66 53 00-0372	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	379.71	112.33
22 66 53 00-0373	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	625.22	137.83
22 66 53 00-0374	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	1,850.92	222.80
22 66 53 00-0375	EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	2,616.60	278.20
22 66 53 00-0376		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tees** *(22 66 53 00-0338)*		
22 66 53 00-0377	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	209.68	81.35
22 66 53 00-0378	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	242.58	87.33
22 66 53 00-0379	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	269.08	90.40
22 66 53 00-0380	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	307.14	99.83
22 66 53 00-0381	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	327.86	102.97
22 66 53 00-0382	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	358.26	106.05
22 66 53 00-0383	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	448.23	119.26
22 66 53 00-0384	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	494.38	122.33
22 66 53 00-0385	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	550.64	127.96
22 66 53 00-0386		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tees** *(22 66 53 00-0338)*		
22 66 53 00-0387	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee	250.81	84.86
22 66 53 00-0388	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee	300.13	93.85
22 66 53 00-0389	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee	405.60	112.33
22 66 53 00-0390		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tees** *(22 66 53 00-0338)*		
22 66 53 00-0391	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	237.57	81.35
22 66 53 00-0392	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	293.63	90.85
22 66 53 00-0393	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	352.21	103.28
22 66 53 00-0394	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	376.66	106.34

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0395		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wyes** *(22 66 53 00-0338)*		
22 66 53 00-0396	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	221.11	85.01
22 66 53 00-0397	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	298.51	94.07
22 66 53 00-0398	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	379.58	112.25
22 66 53 00-0399	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	628.41	137.31
22 66 53 00-0400	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	2,301.05	222.57
22 66 53 00-0401		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes** *(22 66 53 00-0338)*		
22 66 53 00-0402	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	225.61	81.35
22 66 53 00-0403	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	242.55	87.33
22 66 53 00-0404	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	255.92	90.93
22 66 53 00-0405	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	285.21	99.83
22 66 53 00-0406	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	296.14	103.12
22 66 53 00-0407	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	350.75	106.34
22 66 53 00-0408	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	470.06	119.41
22 66 53 00-0409	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	552.18	122.33
22 66 53 00-0410	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	576.55	127.96
22 66 53 00-0411	EA	8" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	1,367.51	179.56
22 66 53 00-0412	EA	8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	1,474.07	185.50
22 66 53 00-0413	EA	8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	1,793.20	194.98
22 66 53 00-0414		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends** *(22 66 53 00-0338)*		
22 66 53 00-0415	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	258.74	84.86
22 66 53 00-0416	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	306.11	93.85
22 66 53 00-0417	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	445.46	112.33
22 66 53 00-0418	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	680.49	137.45
22 66 53 00-0419		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends** *(22 66 53 00-0338)*		
22 66 53 00-0420	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	217.64	81.35
22 66 53 00-0421	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	250.53	87.33
22 66 53 00-0422	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	275.69	90.85
22 66 53 00-0423	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	299.16	99.83
22 66 53 00-0424	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	342.25	103.28
22 66 53 00-0425	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	384.60	106.27
22 66 53 00-0426	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	495.92	119.41
22 66 53 00-0427	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	610.04	122.40
22 66 53 00-0428	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	666.55	128.18
22 66 53 00-0429		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducers** *(22 66 53 00-0338)*		
22 66 53 00-0430	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	135.90	53.44
22 66 53 00-0431	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	148.34	56.43
22 66 53 00-0432	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	164.80	59.42
22 66 53 00-0433	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	256.25	65.86
22 66 53 00-0434	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	268.72	68.93
22 66 53 00-0435	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	294.13	76.51
22 66 53 00-0436	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	376.64	82.36
22 66 53 00-0437	EA	8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	543.58	111.33
22 66 53 00-0438	EA	8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	579.66	120.74
22 66 53 00-0439		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increasers** *(22 66 53 00-0338)*		
22 66 53 00-0440	EA	2" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	358.51	124.75
22 66 53 00-0441	EA	2" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	462.16	124.75
22 66 53 00-0442	EA	3" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	471.46	124.75
22 66 53 00-0443	EA	4" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	544.79	170.64
22 66 53 00-0444		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Traps** *(22 66 53 00-0338)*		
22 66 53 00-0445	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	376.05	56.73
22 66 53 00-0446	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	452.34	62.41
22 66 53 00-0447	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	550.55	74.69
22 66 53 00-0448	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	1,590.59	91.71
22 66 53 00-0449		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hubs** *(22 66 53 00-0338)*		
22 66 53 00-0450	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	194.67	56.73
22 66 53 00-0451	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	243.04	62.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0452	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	331.29	74.69
22 66 53 00-0453	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	428.19	91.71
22 66 53 00-0454	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	817.76	127.96
22 66 53 00-0455		Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings *(22 66 53 00-0328)*		
		Note: Labor costs for installation of lead and oakum are included in the installation costs for fittings.		
22 66 53 00-0456	LB	Lead (1 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings	1.55	
22 66 53 00-0457	LB	Seal-Tite Packing (1/8 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings	36.54	
22 66 53 00-0458		Mechanical Joint High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings *(22 66 53)*		
		Note: ASTM A518.		
22 66 53 00-0459		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe *(22 66 53 00-0458)*		
22 66 53 00-0460	LF	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	49.64	5.02
22 66 53 00-0461	LF	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	56.46	5.54
22 66 53 00-0462	LF	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	77.70	6.96
22 66 53 00-0463	LF	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	97.78	8.08
22 66 53 00-0464		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Fittings *(22 66 53 00-0458)*		
22 66 53 00-0465		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweeps *(22 66 53 00-0464)*		
22 66 53 00-0466	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	189.16	39.74
22 66 53 00-0467	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	204.89	44.90
22 66 53 00-0468	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	277.56	49.54
22 66 53 00-0469	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	334.98	59.87
22 66 53 00-0470		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends *(22 66 53 00-0464)*		
22 66 53 00-0471	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	111.42	39.74
22 66 53 00-0472	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	132.43	44.45
22 66 53 00-0473	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	168.18	49.69
22 66 53 00-0474	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	218.69	59.42
22 66 53 00-0475	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	128.72	41.98
22 66 53 00-0476		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends *(22 66 53 00-0464)*		
22 66 53 00-0477	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	111.42	39.74
22 66 53 00-0478	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	132.43	44.45
22 66 53 00-0479	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	168.18	49.69
22 66 53 00-0480	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	218.69	59.42
22 66 53 00-0481		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bends *(22 66 53 00-0464)*		
22 66 53 00-0482	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	129.36	39.74
22 66 53 00-0483	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	160.33	44.45
22 66 53 00-0484	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	241.93	49.69
22 66 53 00-0485	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	272.51	59.42
22 66 53 00-0486		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends *(22 66 53 00-0464)*		
22 66 53 00-0487	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	125.38	39.74
22 66 53 00-0488	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	148.37	44.45
22 66 53 00-0489	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	223.99	49.69
22 66 53 00-0490	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	254.57	59.42
22 66 53 00-0491		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bends *(22 66 53 00-0464)*		
22 66 53 00-0492	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bend	189.31	59.79
22 66 53 00-0493		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tees *(22 66 53 00-0464)*		
22 66 53 00-0494	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	157.42	59.79
22 66 53 00-0495	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	192.67	67.36
22 66 53 00-0496	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	250.06	75.06
22 66 53 00-0497	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	371.90	89.88

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0498		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tees** *(22 66 53 00-0464)*		
22 66 53 00-0499	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	180.90	64.81
22 66 53 00-0500	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	218.38	69.89
22 66 53 00-0501	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Sanitary Reducing Tee	232.03	72.36
22 66 53 00-0502	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	249.23	79.85
22 66 53 00-0503	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	272.60	82.09
22 66 53 00-0504	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	294.27	84.56
22 66 53 00-0505		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wyes** *(22 66 53 00-0464)*		
22 66 53 00-0506	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	157.72	60.01
22 66 53 00-0507	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	184.70	67.36
22 66 53 00-0508	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	242.09	75.06
22 66 53 00-0509	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	371.90	89.88
22 66 53 00-0510		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes** *(22 66 53 00-0464)*		
22 66 53 00-0511	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	175.42	65.18
22 66 53 00-0512	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	212.38	69.82
22 66 53 00-0513	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	222.41	72.59
22 66 53 00-0514	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	249.60	80.08
22 66 53 00-0515	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	273.27	82.55
22 66 53 00-0516	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	288.60	84.79
22 66 53 00-0517		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wyes** *(22 66 53 00-0464)*		
22 66 53 00-0518	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	233.45	79.93
22 66 53 00-0519	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	294.27	89.95
22 66 53 00-0520	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	372.44	99.53
22 66 53 00-0521	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	482.39	119.66
22 66 53 00-0522	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	256.50	84.64
22 66 53 00-0523	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	285.89	89.66
22 66 53 00-0524	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	337.21	94.59
22 66 53 00-0525	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	372.30	104.77
22 66 53 00-0526	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	444.06	110.08
22 66 53 00-0527		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Crosses** *(22 66 53 00-0464)*		
22 66 53 00-0528	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	257.31	79.93
22 66 53 00-0529	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	302.06	89.80
22 66 53 00-0530	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	425.11	100.05
22 66 53 00-0531	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	588.22	119.82
22 66 53 00-0532	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	276.39	84.64
22 66 53 00-0533	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	355.62	89.66
22 66 53 00-0534	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	375.03	94.59
22 66 53 00-0535	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	402.16	104.70
22 66 53 00-0536	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	505.27	109.63
22 66 53 00-0537		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0538	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	173.08	59.57
22 66 53 00-0539	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	200.64	67.36
22 66 53 00-0540	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	242.09	75.06
22 66 53 00-0541	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	393.82	89.88
22 66 53 00-0542		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0543	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	190.92	64.88
22 66 53 00-0544	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	212.67	70.05
22 66 53 00-0545	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	230.38	72.59
22 66 53 00-0546	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	307.41	80.08
22 66 53 00-0547	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	315.13	82.55
22 66 53 00-0548	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	350.39	84.79
22 66 53 00-0549		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0550	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	271.10	79.78
22 66 53 00-0551	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	337.88	89.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0552	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	478.39	99.76
22 66 53 00-0553	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	574.64	120.04
22 66 53 00-0554		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0555	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	294.33	84.64
22 66 53 00-0556	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	349.62	89.58
22 66 53 00-0557	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	365.06	94.59
22 66 53 00-0558	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	406.15	104.70
22 66 53 00-0559	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	505.27	109.63
22 66 53 00-0560		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducers-Increasers** *(22 66 53 00-0464)*		
22 66 53 00-0561	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	129.36	42.44
22 66 53 00-0562	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	145.06	44.90
22 66 53 00-0563	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	170.23	52.39
22 66 53 00-0564	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	198.19	49.77
22 66 53 00-0565	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	209.90	52.24
22 66 53 00-0566	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	221.60	54.71
22 66 53 00-0567		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tees** *(22 66 53 00-0464)*		
22 66 53 00-0568	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	118.16	34.95
22 66 53 00-0569	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	136.99	39.52
22 66 53 00-0570	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	160.73	44.75
22 66 53 00-0571	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	285.02	54.48
22 66 53 00-0572		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plugs** *(22 66 53 00-0464)*		
22 66 53 00-0573	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	53.73	19.90
22 66 53 00-0574	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	63.23	22.23
22 66 53 00-0575	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	69.14	24.85
22 66 53 00-0576	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	88.42	29.71
22 66 53 00-0577		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Traps** *(22 66 53 00-0464)*		
22 66 53 00-0578	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	208.74	39.52
22 66 53 00-0579	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	216.14	44.45
22 66 53 00-0580	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	265.85	49.69
22 66 53 00-0581	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	338.29	59.42
22 66 53 00-0582	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	286.92	42.51
22 66 53 00-0583	EA	2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	392.07	47.44
22 66 53 00-0584	EA	3" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	473.18	52.39
22 66 53 00-0585	EA	4" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	587.87	62.41
22 66 53 00-0586		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum Traps** *(22 66 53 00-0464)*		
22 66 53 00-0587	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap	380.56	45.13
22 66 53 00-0588	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap	595.08	49.92
22 66 53 00-0589	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap	396.25	44.90
22 66 53 00-0590	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap	595.08	49.92
22 66 53 00-0591		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Traps** *(22 66 53 00-0464)*		
22 66 53 00-0592	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap	354.39	44.90
22 66 53 00-0593	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap	415.69	49.92
22 66 53 00-0594	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long P-Trap	408.21	44.90
22 66 53 00-0595	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap	884.10	49.92
22 66 53 00-0596	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap	531.30	49.92
22 66 53 00-0597		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bends** *(22 66 53 00-0464)*		
22 66 53 00-0598	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend	153.55	39.96
22 66 53 00-0599	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend	198.91	44.90

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0600		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapters** *(22 66 53 00-0464)*		
22 66 53 00-0601	EA	1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	80.78	29.94
22 66 53 00-0602	EA	1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	142.32	32.47
22 66 53 00-0603	EA	2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	107.95	37.42
22 66 53 00-0604		**Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter** *(22 66 53 00-0464)*		
22 66 53 00-0605	EA	1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	147.60	42.58
22 66 53 00-0606	EA	1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	161.00	44.90
22 66 53 00-0607	EA	1-1/2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	178.70	47.37
22 66 53 00-0608	EA	1-1/2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	191.97	52.24
22 66 53 00-0609	EA	2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	178.73	47.44
22 66 53 00-0610	EA	2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	188.42	49.92
22 66 53 00-0611	EA	2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	203.66	54.71
22 66 53 00-0612	EA	3" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	228.07	52.39
22 66 53 00-0613	EA	4" x 4" Mechanical Joint High Silicon Iron Alloy Hub To Mechanical Joint Adapter	280.92	62.41
22 66 53 00-0614		**Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings** *(22 66 53 00-0464)*		
22 66 53 00-0615	EA	1-1/2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	47.84	
22 66 53 00-0616	EA	2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	55.81	
22 66 53 00-0617	EA	3" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	59.80	
22 66 53 00-0618	EA	4" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	65.78	
22 66 53 00-0619		**Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Fittings** *(22 66 53 00-0464)*		
22 66 53 00-0620	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Outlet	358.83	19.98
22 66 53 00-0621	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Stopper	136.56	9.95
22 66 53 00-0622	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Overflow	252.17	9.95
22 66 53 00-0623		**Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drains With Stainless Steel Strainer Plates** *(22 66 53 00-0464)*		
22 66 53 00-0624	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain With Stainless Steel Strainer	1,293.80	99.83
22 66 53 00-0625	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sediment Basin Floor Drain With Stainless Steel Strainer	1,592.29	104.85
22 66 53 00-0626	EA	Stainless Steel Funnel Attachment For Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain	1,055.44	9.95
22 66 83		**Chemical-Waste Tanks** *(22 66)*		
22 66 83 16		**Chemical-Waste Neutralization Tanks** *(22 66 83)*		
22 66 83 16-0001		Acid Neutralization Tank *(22 66 83 16)*		
22 66 83 16-0002		Polyethylene Acid Neutralization Tank *(22 66 83 16-0001)*		
22 66 83 16-0003	EA	5 Gallon Capacity Polyethylene Acid Neutralization Tank	340.42	152.43
22 66 83 16-0004	EA	15 Gallon Capacity Polyethylene Acid Neutralization Tank	598.90	211.37
22 66 83 16-0005	EA	30 Gallon Capacity Polyethylene Acid Neutralization Tank	756.29	304.86
22 66 83 16-0006	EA	55 Gallon Capacity Polyethylene Acid Neutralization Tank	975.01	406.48
22 66 83 16-0007	EA	100 Gallon Capacity Polyethylene Acid Neutralization Tank	1,242.52	487.77
22 66 83 16-0008	EA	150 Gallon Capacity Polyethylene Acid Neutralization Tank	1,682.89	609.71
22 66 83 16-0009	EA	200 Gallon Capacity Polyethylene Acid Neutralization Tank	1,959.30	762.14
22 66 83 16-0010	EA	275 Gallon Capacity Polyethylene Acid Neutralization Tank	2,522.63	914.58
22 66 83 16-0011	EA	350 Gallon Capacity Polyethylene Acid Neutralization Tank	2,880.82	1,097.49
22 66 83 16-0012		Polypropylene Acid Neutralization Tank *(22 66 83 16-0001)*		
22 66 83 16-0013	EA	5 Gallon Capacity Polypropylene Acid Neutralization Tank	532.47	152.43
22 66 83 16-0014	EA	15 Gallon Capacity Polypropylene Acid Neutralization Tank	902.98	211.37
22 66 83 16-0015	EA	30 Gallon Capacity Polypropylene Acid Neutralization Tank	1,431.68	304.86
22 66 83 16-0016	EA	55 Gallon Capacity Polypropylene Acid Neutralization Tank	1,887.95	406.48
22 66 83 16-0017	EA	100 Gallon Capacity Polypropylene Acid Neutralization Tank	2,381.46	487.77
22 66 83 16-0018	EA	150 Gallon Capacity Polypropylene Acid Neutralization Tank	2,718.58	609.71
22 66 83 16-0019	EA	200 Gallon Capacity Polypropylene Acid Neutralization Tank	2,990.42	762.14
22 66 83 16-0020	EA	275 Gallon Capacity Polypropylene Acid Neutralization Tank	4,323.09	914.58
22 66 83 16-0021	EA	350 Gallon Capacity Polypropylene Acid Neutralization Tank	4,705.29	1,097.49
22 66 83 16-0022		Chemical Dilution Trap *(22 66 83 16)*		
22 66 83 16-0023	EA	1 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	287.23	50.81
22 66 83 16-0024	EA	1-1/2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	295.68	50.81
22 66 83 16-0025	EA	2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	304.13	50.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 83 16-0026	EA	5 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	335.63	60.97

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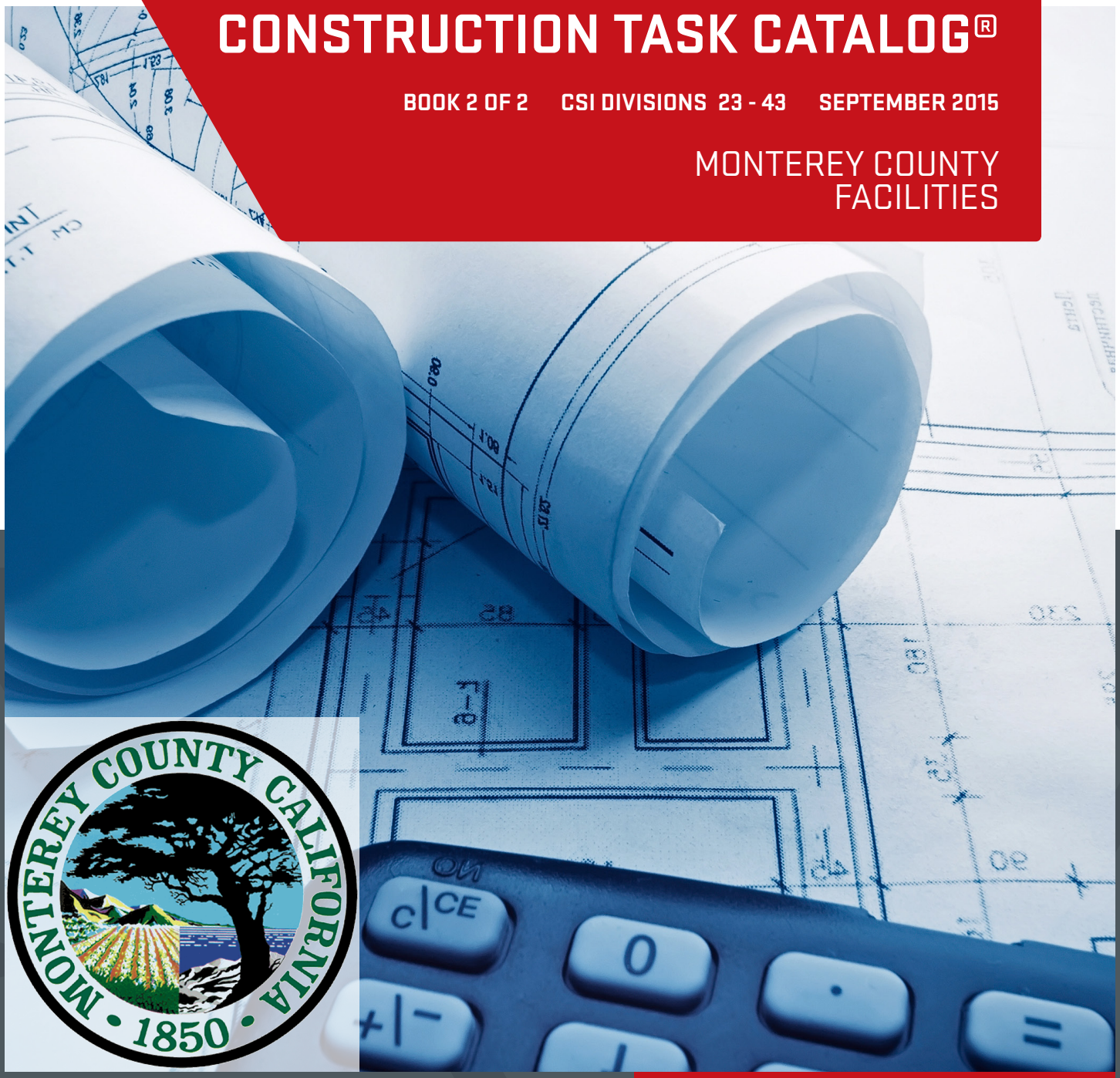

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The Unit Prices Include:

LABOR COSTS:

- ☑ Labor costs include unloading equipment, materials, and tools, and transporting the same up or down 2 1/2 stories and 125' to reach the project site; layout; measuring and cutting to fit; performing the task; disposal of excess material; and time for lunch and breaks.
- ☑ Labor costs include direct labor through the working foreperson level at straight-time prevailing wage rates including fringe benefits and an allowance for Social Security and Medicare taxes, worker's compensation, unemployment insurance and employee benefits.
- ☑ Labor costs are based on workers familiar with and skilled in the performance of the task following OSHA requirements.

EQUIPMENT COSTS:

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

MATERIAL COSTS:

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

Complete and In-Place Construction:

- ☑ Unit prices are for complete and in-place construction and include all labor, equipment and material required to complete the task as described in the CTC.
- ☑ If the Contractor uses a crane or other lifting equipment (except a truck mounted boom lift or other equipment as part of the delivery process) to lift material onto a roof, even if that roof is less than 2 ½ stories, the contractor will be paid for such crane or lifting equipment as a separate task.

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

Demolition:

- ☑ Unit prices for demolition include all labor, equipment and material required for the complete removal of the items; clean-up of the area; and transporting the demolished items up or down 2 ½ stories into a truck, dumpster, or to an owner designated area, located within 125' of the project site.
- ☑ Unit prices for demolition exclude costs for hauling (See 01741900), dump fees (See 01741900), dumpsters (See 01741900), and trash chutes (See 01741900).
- ☑ If the item being demolished is attached to another item being removed and can be removed as one item, then that item shall not be priced as a separate demolition task, unless the component alone must be demolished to accomplish the task (e.g. demolition of pipe includes pipe fittings unless the fitting must be demolished separately to accomplish the task; demolition of a wood door includes hinges, hardware, closures, kick plates, etc.).
- ☑ The description "replace" includes the demolition of the existing item and the installation of the new item.
- ☑ The descriptions "remove and relocate" or "remove and reinstall" includes the removal, cleaning of item and installation of the existing item in either the same location or another location.
- ☑ The description "reinstall" includes the cleaning and installation of the existing item.
- ☑ Salvageable materials remain the property of the Owner and shall be turned over as directed when specified in the Job Order.

The Adjustment Factors Include:

BUSINESS COSTS:

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

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

CONSTRUCTION RELATED COSTS:

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

PRICE VARIATIONS:

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

GENERAL COSTS:

- ☑ This list is not exhaustive and is intended to provide general examples of cost items to be included in the Contractor's Adjustment Factor as defined in the Contract.
- ☑ The only compensation to be paid to a Contractor for the unit price tasks will be:

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

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

General Interpretations:

WORKING HEIGHT:

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

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

FIELD ENGINEERING:

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

ASSEMBLIES:

☑ Assembly unit prices take precedence over individual component pricing.

TESTING:

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

MISCELLANEOUS:

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

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

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

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

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

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

SPECIFICATIONS:

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

Useful Information:

UNIT OF MEASURE DEFINITIONS:

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

MATERIAL WEIGHTS:

EARTHEN MATERIAL

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

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

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

BULK FACTORS FOR DEMOLITION:

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

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

CONVERSIONS:

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

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

1 Centimeter = 0.3937 Inches = 0.0328 Feet

1 Cubic Foot = 0.03704 Cubic Yards = 0.02832 Cubic Meters

1 Cubic Meter = 1.3080 Cubic Yards = 35.3147 Cubic Feet

1 Cubic Yard = 27 Cubic Feet = 0.7646 Cubic Meters

1 Foot = 12 Inches = 0.3048 Meters

1 Inch = 2.54 Centimeters = 0.0254 Meters

1 Kilogram = 2.2046 Pounds

1 Kilometer = 0.6214 Miles = 3280 Feet

1 Meter = 100 Centimeters = 3.2808 Feet

1 Mile = 5280 Feet = 1.6093 Kilometers

1 Pound = 0.4536 Kilograms

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

1 Square Meter = 1.1960 Square Yards = 10.7639 Square Feet

1 Square Yard = 9 Square Feet = 0.8361 Square Meters

1 Ton = 2000 Pounds = 907.185 Kilograms

1 Yard = 3 Feet = 0.9144 Meters

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

STANDARD GEOMETRY:

Circle

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

Cylinder

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

Sphere

- Volume = (4 π radius^3) / 3

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- Surface Area = 4 π radius^2

π = 3.14159

United Inch

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

TRADEMARKS

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

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 Heating, Ventilating, And Air-Conditioning (HVAC)

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise.

23 01 Operation and Maintenance of HVAC Systems *(23)*

23 01 10 Operation and Maintenance of Facility Fuel Systems *(23 01)*

23 01 10 00-0001 Purge Gas Systems *(23 01 10)*

Note: Includes collection and refilling/bleeding of system. For natural gas, flammable gases and other gases that should not be released inside the building. See CSI section 23 01 60 00-0022 for refrigerant.

23 01 10 00-0002	EA	Up To 100', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	375.42	
23 01 10 00-0003	EA	>100' To 250', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	536.13	
23 01 10 00-0004	EA	>250' To 500', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	562.60	
23 01 10 00-0005	EA	>500' To 1,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	620.07	
23 01 10 00-0006	EA	>1,000' To 2,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	1,122.84	
23 01 10 00-0007	EA	Up To 100', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	504.10	
23 01 10 00-0008	EA	>100' To 250', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	723.56	
23 01 10 00-0009	EA	>250' To 500', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	764.07	
23 01 10 00-0010	EA	>500' To 1,000', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	851.62	
23 01 10 00-0011	EA	>1,000' To 2,000', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	1,546.86	
23 01 10 00-0012	EA	Up To 100', >4" To 10" Diameter Pipe, Purge Gas Systems	593.46	
23 01 10 00-0013	EA	>100' To 250', >4" To 10" Diameter Pipe, Purge Gas Systems	868.84	
23 01 10 00-0014	EA	>250' To 500', >4" To 10" Diameter Pipe, Purge Gas Systems	2,034.08	
23 01 10 00-0015	EA	>500' To 1,000', >4" To 10" Diameter Pipe, Purge Gas Systems	3,166.58	
23 01 10 00-0016	EA	>1,000' To 2,000', >4" To 10" Diameter Pipe, Purge Gas Systems	5,945.08	

23 01 20 Operation and Maintenance of HVAC Piping and Pumps *(23 01)*

23 01 20 00-0001 Special Cleaning Of Piping Systems *(23 01 20)*

23 01 20 00-0002 Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing *(23 01 20 00-0001)*

23 01 20 00-0003	LF	Up To 1", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	1.68	
23 01 20 00-0004	LF	>1" To 2", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	2.79	
23 01 20 00-0005	LF	>2" To 3", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	3.90	
23 01 20 00-0006	LF	>3" To 4", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	5.05	
23 01 20 00-0007	LF	>4" To 6", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	7.01	

23 01 20 00-0008 Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing *(23 01 20 00-0001)*

23 01 20 00-0009	LF	Up To 1", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	1.80	
23 01 20 00-0010	LF	>1" To 2", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	2.94	
23 01 20 00-0011	LF	>2" To 3", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	4.11	
23 01 20 00-0012	LF	>3" To 4", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	5.37	
23 01 20 00-0013	LF	>4" To 6", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	7.44	

23 01 20 00-0014 Drewsperse 4945/4395 Pipe Disinfection/Flush/Testing *(23 01 20 00-0001)*

23 01 20 00-0015	LF	Up To 1", Drewsperse 4945/4395 Pipe Disinfection/Flush/Testing	1.83	
23 01 20 00-0016	LF	>1" To 2", Drewsperse 4945/4395 Pipe Disinfection/Flush/Testing	3.00	
23 01 20 00-0017	LF	>2" To 3", Drewsperse 4945/4395 Pipe Disinfection/Flush/Testing	4.20	
23 01 20 00-0018	LF	>3" To 4", Drewsperse 4945/4395 Pipe Disinfection/Flush/Testing	5.49	
23 01 20 00-0019	LF	>4" To 6", Drewsperse 4945/4395 Pipe Disinfection/Flush/Testing	7.60	

23 01 20 00-0020 Lock Out/Tag Out System *(23 01 20)*

23 01 20 00-0021	EA	Up To 1", Lock Out/Tag Out Valve	20.33	
23 01 20 00-0022	EA	>1" To 3", Lock Out/Tag Out Valve	24.39	
23 01 20 00-0023	EA	>3" To 6", Lock Out/Tag Out Valve	28.45	
23 01 20 00-0024	EA	>6" To 10", Lock Out/Tag Out Valve	32.52	
23 01 20 00-0025	EA	>10" To 14", Lock Out/Tag Out Valve	40.64	
23 01 20 00-0026	EA	Lock Out/Tag Out Padlock System	16.26	
23 01 20 00-0027	EA	Lock Out/Tag Out Tag	2.69	

23 01 20 00-0028 Freeze Pipe Using CO2 Kit *(23 01 20)*

Note: For use on chilled water or cold water piping systems. Excludes cutting existing pipe, and installation of valve or fittings.

23 01 20 00-0029	EA	Up To 2" Freeze Pipe Using CO2 Kit	113.63	

23 01 20 00-0030 Freeze Pipe Using Nitrogen *(23 01 20)*

Note: For use on any water piping systems. Excludes cutting existing pipe, and installation of valve or fittings.

23 01 20 00-0031	EA	Up To 4" Pipe Freezing Using Nitrogen Note: For each location. Includes freezing on each side of valve or fitting.	1,038.62	
23 01 20 00-0032	EA	>4" To 12" Pipe Freezing Using Nitrogen Note: For each location. Includes freezing on each side of valve or fitting.	2,077.24	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 20 00-0033			**Water/Chlorine Pipe Disinfection/Flush/Testing** *(23 01 20)*		
			Note: For existing piping when required. Water/chlorine solution per specification entitled "Water Distribution".		
23 01 20 00-0034		LF	Up To 1", Water/Chlorine Pipe Disinfection/Flush/Testing	1.34	
23 01 20 00-0035		LF	>1" To 2", Water/Chlorine Pipe Disinfection/Flush/Testing	1.83	
23 01 20 00-0036		LF	>2" To 3", Water/Chlorine Pipe Disinfection/Flush/Testing	2.83	
23 01 20 00-0037		LF	4", Water/Chlorine Pipe Disinfection/Flush/Testing	3.89	
23 01 20 00-0038		LF	6", Water/Chlorine Pipe Disinfection/Flush/Testing	4.80	
23 01 20 00-0039		LF	8", Water/Chlorine Pipe Disinfection/Flush/Testing	6.06	
23 01 20 00-0040		LF	10", Water/Chlorine Pipe Disinfection/Flush/Testing	7.98	
23 01 20 00-0041		LF	12", Water/Chlorine Pipe Disinfection/Flush/Testing	9.57	
23 01 20 00-0042			**Shut Down Existing Piping System** *(23 01 20)*		
23 01 20 00-0043		EA	Shut Down Existing Interior Piping System Note: Includes lock out/tag out and average line tracing. Use when valves are greater than 25' from work. When the shut-off valves for multiple lines are located with a 10' radius, the quantity used shall be one.	164.60	
23 01 20 00-0044			**Purge Liquid Systems** *(23 01 20)*		
			Note: Includes collection and refilling/bleeding of system.		
23 01 20 00-0045		EA	Up To 100', Up To 1-1/2" Diameter Pipe, Purge Liquid System	267.60	
23 01 20 00-0046		EA	>100 To 250', Up To 1-1/2" Diameter Pipe, Purge Liquid System	382.18	
23 01 20 00-0047		EA	>250 To 500', Up To 1-1/2" Diameter Pipe, Purge Liquid System	457.93	
23 01 20 00-0048		EA	>500 To 1,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System	484.10	
23 01 20 00-0049		EA	>1,000 To 2,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System	924.18	
23 01 20 00-0050		EA	Up To 100', >1-1/2" To 4" Diameter Pipe, Purge Liquid System	356.20	
23 01 20 00-0051		EA	>100 To 250', 1-1/2" To 4" Diameter Pipe, Purge Liquid System	508.30	
23 01 20 00-0052		EA	>250 To 500', 1-1/2" To 4" Diameter Pipe, Purge Liquid System	605.12	
23 01 20 00-0053		EA	>500 To 1,000', 1-1/2" To 4" Diameter Pipe, Purge Liquid System	643.41	
23 01 20 00-0054		EA	>1,000 To 2,000', 1-1/2" To 4" Diameter Pipe, Purge Liquid System	1,239.75	
23 01 20 00-0055		EA	Up To 100', >4" To 10" Diameter Pipe, Purge Liquid System	439.14	
23 01 20 00-0056		EA	>100 To 250', >4" To 10" Diameter Pipe, Purge Liquid System	627.53	
23 01 20 00-0057		EA	>250 To 500', >4" To 10" Diameter Pipe, Purge Liquid System	1,752.55	
23 01 20 00-0058		EA	>1,000 To 2,000', >4" To 10" Diameter Pipe, Purge Liquid System	2,781.21	
23 01 20 00-0059			**Add-A-Valve Emergency Shut Off Device** *(23 01 20)*		
23 01 20 00-0060		EA	1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-103ADD)	205.45	
23 01 20 00-0061		EA	3/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-104ADD)	258.21	
23 01 20 00-0062		EA	1" Add-A-Valve Emergency Shut Off Device (Jomar 800-105ADD)	355.73	
23 01 20 00-0063		EA	1-1/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-106ADD)	539.97	
23 01 20 00-0064		EA	1-1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-107ADD)	665.30	
23 01 20 00-0065		EA	2" Add-A-Valve Emergency Shut Off Device (Jomar 800-108ADD)	999.03	

23 01 30 Operation and Maintenance of HVAC Air Distribution *(23 01)*

23 01 30 51 HVAC Air-Distribution System Cleaning *(23 01 30)*

23 01 30 51-0001			**Special Cleaning Of Ductwork** *(23 01 30 51)*		
			Note: Includes sealing registers, grilles, diffusers as required.		
23 01 30 51-0002		LF	Up To 2 SF Cross Section, Clean Supply/Return Ductwork	2.67	
			For Exhaust Ductwork, Add	*0.67*	
23 01 30 51-0003		LF	>2 SF To 4 SF Cross Section, Clean Supply/Return Ductwork	3.33	
			For Exhaust Ductwork, Add	*0.83*	
23 01 30 51-0004		LF	>4 SF To 8 SF Cross Section, Clean Supply/Return Ductwork	4.47	
			For Exhaust Ductwork, Add	*1.12*	
23 01 30 51-0005		LF	>8 SF Cross Section, Clean Supply/Return Ductwork	6.32	
			For Exhaust Ductwork, Add	*1.58*	
23 01 30 51-0006		SF	Clean Duct Dampers	8.98	
23 01 30 51-0007		SF	Clean Duct Fire Dampers	17.96	
23 01 30 51-0008		SF	Clean Louver	7.19	
23 01 30 51-0009		EA	Clean Turning Vane Set	21.56	
23 01 30 51-0010		EA	Clean Grille/Diffuser/Register Note: Includes removal and reinstallation.	21.56	
23 01 30 51-0011		LF	Clean Linear Diffuser Note: Includes removal and reinstallation.	5.38	
23 01 30 51-0012		EA	Cut Access For Cleaning Duct And Install Duct Insulated Access Doors	70.99	
			For Stainless Steel, Add	*45.00*	
23 01 30 51-0013		EA	Clean Variable Air Volume (VAV) Unit	64.66	
23 01 30 51-0014		EA	Clean Fan Powered Induction Unit (PIU) Unit	86.22	
23 01 30 51-0015		EA	Clean Fan Coil Unit (FCU) Unit	86.22	
23 01 30 51-0016		EA	Clean Supply Or Return Fan	172.44	
23 01 30 51-0017		EA	Clean Exhaust Fan	150.88	
23 01 30 51-0018		EA	Clean Duct Coil	129.33	
23 01 30 51-0019		SF	Clean Air Handling Unit Interior Housing, HEPA Vacuum Note: Excluding fan and coils.	4.31	
23 01 30 51-0020		EA	Clean Air Handling Unit Fan	172.44	
23 01 30 51-0021		EA	Clean Air Handling Unit Coil	258.66	
23 01 30 51-0022		SF	Clean Equipment Surfaces, Rust Reform And Prime	2.18	
23 01 30 51-0023		SF	Clean Interior Equipment Surfaces, Rust Reform And Prime	2.61	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 30 51-0024	SF	HEPA Vacuuming Of Walls, Ceilings And Floors In Mechanical Rooms	0.50	
23 01 30 51-0025	EA	Cleaning Of Ductwork Minimum Set-up Charge	621.44	
		Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
23 01 30 51-0026	SF	Apply Antimicrobial Agent To Ductwork And Surfaces After Cleaning	0.34	

23 01 50 Operation and Maintenance of Central Heating Equipment *(23 01)*

23 01 50 00-0001 Boiler And Chiller Water Treatment *(23 01 50)*

Note: 3 LB chemical per 50 gallon system water.

23 01 50 00-0002	LB	Boil Out Boiler And System With Caustic Soda	0.84	
		Note: Includes disposal after treatment.		
23 01 50 00-0003	LB	Boil Out Boiler And System With Trisodium Phosphate	1.26	
		Note: Includes disposal after treatment.		
23 01 50 00-0004	GAL	Corrosion Resistant Chemical Treatment, Based On Gallons Of Chemical Required	79.04	

23 01 50 00-0005 Boiler Repairs *(23 01 50)*

23 01 50 00-0006 Setup And Maintenance *(23 01 50 00-0005)*

23 01 50 00-0007	EA	Set-up Charge For Boiler Fire Side Maintenance	1,795.33	
		Note: Includes removing/relocating doors, plates, portals, and burners required to access fireside.		
23 01 50 00-0008	EA	Close-up Charge For Boiler Fire Side Maintenance	1,913.41	
		Note: Includes replacement of doors, plates, portals, burners, adhesive, rope, wool, and seals.		
		For Burner Seals, Add	*579.53*	
		Note: Used when burner must be removed from door for maintenance.		
23 01 50 00-0009	EA	Setup Charge For Boiler Water Side Maintenance	2,393.78	
		Note: Includes closing valves, draining, and positioning equipment needed for tube replacement.		
23 01 50 00-0010	EA	Up To 100 HP, Hydrostatic Test - Boiler Maintenance	1,196.89	
		Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.		
23 01 50 00-0011	EA	>100 HP, Hydrostatic Test - Boiler Maintenance	2,393.78	
		Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.		
23 01 50 00-0012	EA	Remove And Replace Handhole	74.81	
23 01 50 00-0013	EA	Remove And Replace Manhole	224.42	
23 01 50 00-0014	SF	Sheet Metal Jacket Patch	9.32	

23 01 50 00-0015 Boiler Tube Replacement *(23 01 50 00-0005)*

23 01 50 00-0016	EA	Remove Up To 2" Boiler Tube	179.53	
23 01 50 00-0017	EA	Remove >2" To 3" Boiler Tube	224.43	
23 01 50 00-0018	EA	Remove >3" To 4" Boiler Tube	314.18	
23 01 50 00-0019	LF	Place 1-1/2" Boiler Tube Into Position For Termination	5.26	
23 01 50 00-0020	LF	Place 2" Boiler Tube Into Position For Termination	6.07	
23 01 50 00-0021	LF	Place 2-1/2" Boiler Tube Into Position For Termination	6.89	
23 01 50 00-0022	LF	Place 3" Boiler Tube Into Position For Termination	9.58	
23 01 50 00-0023	LF	Place 3-1/2" Boiler Tube Into Position For Termination	11.13	
23 01 50 00-0024	LF	Place 4" Boiler Tube Into Position For Termination	14.05	
23 01 50 00-0025	EA	1-1/2" Rolled Boiler Tube Termination (2 Per New Tube)	22.44	
23 01 50 00-0026	EA	2" Rolled Boiler Tube Termination (2 Per New Tube)	33.66	
23 01 50 00-0027	EA	2-1/2" Rolled Boiler Tube Termination (2 Per New Tube)	44.89	
23 01 50 00-0028	EA	3" Rolled Boiler Tube Termination (2 Per New Tube)	56.10	
23 01 50 00-0029	EA	3-1/2" Rolled Boiler Tube Termination (2 Per New Tube)	67.33	
23 01 50 00-0030	EA	4" Rolled Boiler Tube Termination (2 Per New Tube)	78.55	
23 01 50 00-0031	EA	1-1/2" Welded Boiler Tube Termination (2 Per New Tube)	67.33	
23 01 50 00-0032	EA	2" Welded Boiler Tube Termination (2 Per New Tube)	89.76	
23 01 50 00-0033	EA	2-1/2" Welded Boiler Tube Termination (2 Per New Tube)	112.20	
23 01 50 00-0034	EA	3" Welded Boiler Tube Termination (2 Per New Tube)	134.65	
23 01 50 00-0035	EA	3-1/2" Welded Boiler Tube Termination (2 Per New Tube)	157.09	
23 01 50 00-0036	EA	4" Welded Boiler Tube Termination (2 Per New Tube)	179.53	
23 01 50 00-0037	EA	Plug Boiler Tube Hole Where Boiler Tube Is Not Replaced	214.93	

23 01 50 00-0038 Cast Iron Boiler Section Replacement *(23 01 50 00-0005)*

23 01 50 00-0039	EA	Replace Front Section Of Weil McLain Model 80 Cast Iron Boiler	2,051.59	
23 01 50 00-0040	EA	Replace Rear Section Of Weil McLain Model 80 Cast Iron Boiler	1,430.05	
23 01 50 00-0041	EA	Replace Inside Section Of Weil McLain Model 80 Cast Iron Boiler	1,760.53	
23 01 50 00-0042	EA	Replace Front Section Of Weil McLain Model 88 Cast Iron Boiler	3,809.65	
23 01 50 00-0043	EA	Replace Rear Section Of Weil McLain Model 88 Cast Iron Boiler	2,843.84	
23 01 50 00-0044	EA	Replace Inside Section Of Weil McLain Model 88 Cast Iron Boiler	3,252.94	
23 01 50 00-0045	EA	Replace Front Section Of Weil McLain Model 94 Cast Iron Boiler	6,220.99	
23 01 50 00-0046	EA	Replace Rear Section Of Weil McLain Model 94 Cast Iron Boiler	4,894.62	
23 01 50 00-0047	EA	Replace Inside Section Of Weil McLain Model 94 Cast Iron Boiler	5,163.24	

23 01 50 00-0048 Cast Iron Grate Replacement *(23 01 50 00-0005)*

23 01 50 00-0049	SF	Replace Cast Iron Boiler Grates, Prepared From Casting Mold	102.86	
		Note: Includes support, linkages and removal of existing.		
23 01 50 00-0050	EA	Prepare Cast Iron Boiler Grate Mold	1,544.88	
		Note: Includes preparing unique size mold for grate casting. Mold to be used for multiple castings.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 50 00-0051		**Replacement Or Conversion Of Boiler Burners** *(23 01 50 00-0005)* Note: Includes mounting plate, mechanical and electrical labor for installation of burners.		
23 01 50 00-0052	EA	700 MBH Max Input Burner With 2" Boiler Connection, Screwed	5,688.44	797.99
23 01 50 00-0053	EA	2100 MBH Max Input Burner With 2-1/2" Boiler Connection, Screwed	8,145.47	987.97
23 01 50 00-0054	EA	2800 MBH Max Input Burner With 3" Boiler Connection, Screwed	9,632.74	1,196.91
23 01 50 00-0055	EA	3800 MBH Max Input Burner With 4" Boiler Connection, Flanged	11,314.91	1,287.72

23 01 60 Operation and Maintenance of Central Cooling Equipment *(23 01)*

23 01 60 00-0001		**Cooling Tower Repairs** *(23 01 60)*		
23 01 60 00-0002	EA	Replace 6' Diameter 4 Blade, Cooling Tower Fan Blade	1,788.60	
23 01 60 00-0003	EA	Replace 6' Diameter 5 Blade, Cooling Tower Fan Blade	2,102.62	
23 01 60 00-0004	EA	Replace 6' Diameter 6 Blade, Cooling Tower Fan Blade	2,414.34	
23 01 60 00-0005	EA	Replace 6' Diameter 7 Blade, Cooling Tower Fan Blade	2,846.41	
23 01 60 00-0006	EA	Replace 6' Diameter 8 Blade, Cooling Tower Fan Blade	3,134.07	
23 01 60 00-0007	EA	Replace 8' Diameter 4 Blade, Cooling Tower Fan Blade	1,979.61	
23 01 60 00-0008	EA	Replace 8' Diameter 5 Blade, Cooling Tower Fan Blade	2,199.65	
23 01 60 00-0009	EA	Replace 8' Diameter 6 Blade, Cooling Tower Fan Blade	2,577.84	
23 01 60 00-0010	EA	Replace 8' Diameter 7 Blade, Cooling Tower Fan Blade	2,933.12	
23 01 60 00-0011	EA	Replace 8' Diameter 8 Blade, Cooling Tower Fan Blade	3,227.66	
23 01 60 00-0012	EA	Replace Individual Cooling Tower Fan Blade For 6' Diameter Fan	490.12	
23 01 60 00-0013	EA	Replace Individual Cooling Tower Fan Blade For 8' Diameter Fan	510.22	
23 01 60 00-0014	EA	Replace Individual Cooling Tower Fan Blade For 10' Diameter Fan	546.37	
23 01 60 00-0015	EA	Replace Individual Cooling Tower Fan Blade For 12' Diameter Fan	636.37	
23 01 60 00-0016	EA	Replace Individual Cooling Tower Fan Blade For 14' Diameter Fan	787.11	
23 01 60 00-0017	EA	Replace Individual Cooling Tower Fan Blade For 16' Diameter Fan	1,060.48	
23 01 60 00-0018	EA	Replace Individual Cooling Tower Fan Blade For 18' Diameter Fan	1,116.10	
23 01 60 00-0019	EA	Replace Individual Cooling Tower Fan Blade For 20' Diameter Fan	1,199.54	
23 01 60 00-0020	EA	Replace Counterflow Nozzle (1/2" - 2" NPT Thread)	25.68	
23 01 60 00-0021	EA	Replace 6' Polyvinyl Chloride (PVC) Splash Fill	16.40	
23 01 60 00-0022		**Refrigerant Recovery, Reclaim And Recycling** *(23 01 60)*		
23 01 60 00-0023	LB	Recovery Of Refrigerant	6.37	
23 01 60 00-0024	LB	Recovery And Recharging Of Refrigerant Note: Includes cleaning refrigerant gas prior to recharging.	11.95	

23 05 Common Work Results For HVAC *(23)*

23 05 13 Common Motor Requirements For HVAC Equipment *(23 05)*

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor.

23 05 13 00-0001		**Premium Efficient, Motors** *(23 05 13)* Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. Excludes installation. See CSI section 23 05 13 00-0216 for installation.		
23 05 13 00-0002		**Premium Efficient, Open Drip Proof Motors** *(23 05 13 00-0001)* Note: NEMA premium efficiency, open drip proof, three phase AC motors.		
23 05 13 00-0003		**Steel Frame, Premium Efficient, Open Drip Proof Motors** *(23 05 13 00-0002)*		
23 05 13 00-0004	EA	1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	374.10	
23 05 13 00-0005	EA	1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	423.60	
23 05 13 00-0006	EA	1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	496.64	
23 05 13 00-0007	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	417.11	
23 05 13 00-0008	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	443.08	
23 05 13 00-0009	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	581.03	
23 05 13 00-0010	EA	2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	490.15	
23 05 13 00-0011	EA	2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	474.73	
23 05 13 00-0012	EA	2 HP, 1,200 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	594.02	
23 05 13 00-0013	EA	3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	496.64	
23 05 13 00-0014	EA	3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	512.06	
23 05 13 00-0015	EA	3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	756.32	
23 05 13 00-0016	EA	5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	542.08	
23 05 13 00-0017	EA	5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	560.75	
23 05 13 00-0018	EA	5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	990.84	
23 05 13 00-0019	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	860.19	
23 05 13 00-0020	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	824.48	
23 05 13 00-0021	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,188.04	
23 05 13 00-0022	EA	10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	983.54	
23 05 13 00-0023	EA	10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	998.14	
23 05 13 00-0024	EA	10 HP, 1,200 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,545.91	
23 05 13 00-0025	EA	15 HP, 3,600 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,397.40	
23 05 13 00-0026	EA	15 HP, 1,800 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,413.63	
23 05 13 00-0027	EA	15 HP, 1,200 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,084.74	
23 05 13 00-0028	EA	20 HP, 3,600 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,641.66	
23 05 13 00-0029	EA	20 HP, 1,800 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,774.75	
23 05 13 00-0030	EA	20 HP, 1,200 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,537.56	
23 05 13 00-0031	EA	25 HP, 3,600 RPM, 284TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,971.13	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0032	EA	25 HP, 1,800 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,163.46	
23 05 13 00-0033	EA	25 HP, 1,200 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,065.04	
23 05 13 00-0034	EA	30 HP, 3,600 RPM, 286TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,325.76	
23 05 13 00-0035	EA	30 HP, 1,800 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,365.52	
23 05 13 00-0036	EA	30 HP, 1,200 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,197.31	
23 05 13 00-0037	EA	40 HP, 3,600 RPM, 324TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,996.87	
23 05 13 00-0038	EA	40 HP, 1,800 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,086.13	
23 05 13 00-0039	EA	50 HP, 3,600 RPM, 326TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,263.85	
23 05 13 00-0040	EA	50 HP, 1,800 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,405.87	
23 05 13 00-0041	EA	60 HP, 3,600 RPM, 364TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,129.72	
23 05 13 00-0042	EA	60 HP, 1,800 RPM, 364T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,287.97	
23 05 13 00-0043	EA	75 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,417.57	
23 05 13 00-0044	EA	75 HP, 1,800 RPM, 365T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,263.39	
23 05 13 00-0045	EA	100 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,790.86	
23 05 13 00-0046	EA	100 HP, 1,800 RPM, 404T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,123.58	
23 05 13 00-0047	EA	125 HP, 3,600 RPM, 404TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	7,267.79	
23 05 13 00-0048	EA	125 HP, 1,800 RPM, 405T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	7,512.06	
23 05 13 00-0049	EA	150 HP, 3,600 RPM, 405TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	8,965.45	
23 05 13 00-0050		**Cast Iron Frame, Premium Efficient, Open Drip Proof Motors** *(23 05 13 00-0002)*		
23 05 13 00-0051	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	4,554.95	
23 05 13 00-0052	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	5,514.14	
23 05 13 00-0053	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	7,000.81	
23 05 13 00-0054	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	7,794.46	
23 05 13 00-0055	EA	100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	8,579.18	
23 05 13 00-0056	EA	125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	9,264.90	
23 05 13 00-0057	EA	150 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	8,344.65	
23 05 13 00-0058	EA	150 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	10,911.43	
23 05 13 00-0059	EA	200 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	10,159.98	
23 05 13 00-0060	EA	200 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	10,427.78	
23 05 13 00-0061	EA	200 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	14,343.26	
23 05 13 00-0062		**Premium Efficient, TEFC Motors** *(23 05 13 00-0001)* Note: NEMA premium efficiency, totally enclosed fan cooled, three phase AC motors.		
23 05 13 00-0063		**Steel Frame, Premium Efficient, TEFC Motors** *(23 05 13 00-0062)*		
23 05 13 00-0064	EA	1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, TEFC Motor	437.40	
23 05 13 00-0065	EA	1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor	482.03	
23 05 13 00-0066	EA	1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	573.73	
23 05 13 00-0067	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor	495.83	
23 05 13 00-0068	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	500.70	
23 05 13 00-0069	EA	2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	542.89	
23 05 13 00-0070	EA	2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	519.36	
23 05 13 00-0071	EA	3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor	602.13	
23 05 13 00-0072	EA	3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor	573.73	
23 05 13 00-0073	EA	3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	921.05	
23 05 13 00-0074	EA	5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor	667.86	
23 05 13 00-0075	EA	5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor	628.10	
23 05 13 00-0076	EA	5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,040.34	
23 05 13 00-0077	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,000.58	
23 05 13 00-0078	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	905.63	
23 05 13 00-0079	EA	10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,014.38	
23 05 13 00-0080	EA	10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,022.49	
23 05 13 00-0081		**Cast Iron Frame, Premium Efficient, TEFC Motors** *(23 05 13 00-0062)*		
23 05 13 00-0082	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	624.04	
23 05 13 00-0083	EA	1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	698.70	
23 05 13 00-0084	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	658.94	
23 05 13 00-0085	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	646.77	
23 05 13 00-0086	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	831.79	
23 05 13 00-0087	EA	2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	693.02	
23 05 13 00-0088	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	677.60	
23 05 13 00-0089	EA	2 HP, 1,200 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	844.77	
23 05 13 00-0090	EA	3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	748.20	
23 05 13 00-0091	EA	3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	769.30	
23 05 13 00-0092	EA	3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,052.52	
23 05 13 00-0093	EA	5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	921.05	
23 05 13 00-0094	EA	5 HP, 1,800 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	770.11	
23 05 13 00-0095	EA	5 HP, 1,200 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,221.31	
23 05 13 00-0096	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,066.31	
23 05 13 00-0097	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,027.36	
23 05 13 00-0098	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,741.48	
23 05 13 00-0099	EA	10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,249.71	
23 05 13 00-0100	EA	10 HP, 1,800 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,152.33	
23 05 13 00-0101	EA	10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,988.18	
23 05 13 00-0102	EA	15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,722.00	
23 05 13 00-0103	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,575.93	
23 05 13 00-0104	EA	15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,651.98	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0105	EA	20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,889.98	
23 05 13 00-0106	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,911.08	
23 05 13 00-0107	EA	20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,530.84	
23 05 13 00-0108	EA	25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,466.15	
23 05 13 00-0109	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,499.42	
23 05 13 00-0110	EA	25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,995.01	
23 05 13 00-0111	EA	30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,930.33	
23 05 13 00-0112	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,965.22	
23 05 13 00-0113	EA	30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,615.00	
23 05 13 00-0114	EA	40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,016.92	
23 05 13 00-0115	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,877.35	
23 05 13 00-0116	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,751.10	
23 05 13 00-0117	EA	50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,394.27	
23 05 13 00-0118	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,237.65	
23 05 13 00-0119	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	6,949.69	
23 05 13 00-0120	EA	60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	6,173.08	
23 05 13 00-0121	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	6,097.61	
23 05 13 00-0122	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	8,435.54	
23 05 13 00-0123	EA	75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	7,181.78	
23 05 13 00-0124	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	7,129.84	
23 05 13 00-0125	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	9,823.21	
23 05 13 00-0126	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	8,854.28	
23 05 13 00-0127	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	10,961.74	
23 05 13 00-0128	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	12,609.09	
23 05 13 00-0129	EA	200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	15,846.97	

23 05 13 00-0130 Premium Efficient, Severe Duty Motors *(23 05 13 00-0001)*

Note: NEMA premium efficiency, severe duty, three phase AC motors.

23 05 13 00-0131	EA	1 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	648.39	
23 05 13 00-0132	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	712.50	
23 05 13 00-0133	EA	1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	787.16	
23 05 13 00-0134	EA	1 HP, 900 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,106.07	
23 05 13 00-0135	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	737.65	
23 05 13 00-0136	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	726.29	
23 05 13 00-0137	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	921.05	
23 05 13 00-0138	EA	1-1/2 HP, 900 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,376.30	
23 05 13 00-0139	EA	2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	771.74	
23 05 13 00-0140	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	757.94	
23 05 13 00-0141	EA	2 HP, 1,200 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	933.22	
23 05 13 00-0142	EA	2 HP, 900 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,735.80	
23 05 13 00-0143	EA	3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	912.94	
23 05 13 00-0144	EA	3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	959.19	
23 05 13 00-0145	EA	3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,347.09	
23 05 13 00-0146	EA	3 HP, 900 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,882.68	
23 05 13 00-0147	EA	5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,123.12	
23 05 13 00-0148	EA	5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	976.23	
23 05 13 00-0149	EA	5 HP, 1,200 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,364.94	
23 05 13 00-0150	EA	5 HP, 900 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,996.87	
23 05 13 00-0151	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,465.57	
23 05 13 00-0152	EA	7-1/2 HP, 1,800 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,229.42	
23 05 13 00-0153	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,953.28	
23 05 13 00-0154	EA	7-1/2 HP, 900 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,426.96	
23 05 13 00-0155	EA	10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,560.51	
23 05 13 00-0156	EA	10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,472.06	
23 05 13 00-0157	EA	10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,537.56	
23 05 13 00-0158	EA	10 HP, 900 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,997.45	
23 05 13 00-0159	EA	15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,996.29	
23 05 13 00-0160	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,875.38	
23 05 13 00-0161	EA	15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,909.23	
23 05 13 00-0162	EA	15 HP, 900 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,336.42	
23 05 13 00-0163	EA	20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,329.00	
23 05 13 00-0164	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,011.71	
23 05 13 00-0165	EA	20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,952.82	
23 05 13 00-0166	EA	20 HP, 900 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,083.82	
23 05 13 00-0167	EA	25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,798.86	
23 05 13 00-0168	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,632.51	
23 05 13 00-0169	EA	25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,130.54	
23 05 13 00-0170	EA	30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,412.36	
23 05 13 00-0171	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,125.90	
23 05 13 00-0172	EA	30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,325.06	
23 05 13 00-0173	EA	40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,688.04	
23 05 13 00-0174	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,089.96	
23 05 13 00-0175	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,637.26	
23 05 13 00-0176	EA	50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,912.82	
23 05 13 00-0177	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,800.83	
23 05 13 00-0178	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,069.79	
23 05 13 00-0179	EA	60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,129.84	
23 05 13 00-0180	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,434.38	
23 05 13 00-0181	EA	60 HP, 1,800 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	9,656.85	
23 05 13 00-0182	EA	75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,970.55	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0183	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,518.55	
23 05 13 00-0184	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	11,752.95	
23 05 13 00-0185	EA	100 HP, 3,600 RPM, 405TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	10,018.78	
23 05 13 00-0186	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	9,869.46	
23 05 13 00-0187	EA	100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	12,927.20	
23 05 13 00-0188	EA	125 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	11,772.43	
23 05 13 00-0189	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	11,667.75	
23 05 13 00-0190	EA	125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	14,603.75	
23 05 13 00-0191	EA	150 HP, 3,600 RPM, 445TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	13,801.18	
23 05 13 00-0192	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	13,668.91	
23 05 13 00-0193	EA	150 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	16,465.34	
23 05 13 00-0194	EA	200 HP, 3,600 RPM, 447TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	16,342.80	
23 05 13 00-0195	EA	200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	16,443.42	
23 05 13 00-0196	EA	200 HP, 1,200 RPM, 449T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	21,568.05	

23 05 13 00-0197 Premium Efficient, Explosion Proof Motors *(23 05 13 00-0001)*

Note: NEMA premium efficiency, explosion proof, three phase AC motors.

23 05 13 00-0198	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	865.06	
23 05 13 00-0199	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	895.90	
23 05 13 00-0200	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	977.05	
23 05 13 00-0201	EA	3 HP, 1,800 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	1,207.51	
23 05 13 00-0202	EA	5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	1,338.98	
23 05 13 00-0203	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	1,845.35	
23 05 13 00-0204	EA	10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	1,883.49	
23 05 13 00-0205	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	2,549.73	
23 05 13 00-0206	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	2,906.79	
23 05 13 00-0207	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	3,818.92	
23 05 13 00-0208	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	4,286.34	
23 05 13 00-0209	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	5,605.03	
23 05 13 00-0210	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	6,312.66	
23 05 13 00-0211	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	8,830.74	
23 05 13 00-0212	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	10,366.91	
23 05 13 00-0213	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	12,628.56	
23 05 13 00-0214	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	16,505.91	
23 05 13 00-0215	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	18,833.29	

23 05 13 00-0216 Motor Mounting *(23 05 13)*

Note: Includes handling and motor installation on mounting base. Excludes mounting base.

23 05 13 00-0217	EA	1/2 HP Motor Mounting	129.39	65.84
23 05 13 00-0218	EA	3/4 HP Motor Mounting	149.08	82.30
23 05 13 00-0219	EA	1 HP Motor Mounting	159.48	82.30
23 05 13 00-0220	EA	1-1/2 HP Motor Mounting	171.45	82.30
23 05 13 00-0221	EA	2 HP Motor Mounting	185.34	98.75
23 05 13 00-0222	EA	3 HP Motor Mounting	214.30	98.75
23 05 13 00-0223	EA	5 HP Motor Mounting	253.99	164.58
23 05 13 00-0224	EA	7-1/2 HP Motor Mounting	326.56	164.58
23 05 13 00-0225	EA	10 HP Motor Mounting	428.61	288.02
23 05 13 00-0226	EA	15 HP Motor Mounting	527.52	288.02
23 05 13 00-0227	EA	20 HP Motor Mounting	623.43	411.46
23 05 13 00-0228	EA	25 HP Motor Mounting	706.97	411.46
23 05 13 00-0229	EA	30 HP Motor Mounting	857.21	411.46
23 05 13 00-0230	EA	40 HP Motor Mounting	965.87	617.19
23 05 13 00-0231	EA	50 HP Motor Mounting	1,071.52	617.19
23 05 13 00-0232	EA	75 HP Motor Mounting	1,293.91	905.21
23 05 13 00-0233	EA	100 HP Motor Mounting	1,558.56	905.21
23 05 13 00-0234	EA	125 HP Motor Mounting	1,904.91	1,234.38
23 05 13 00-0235	EA	150 HP Motor Mounting	2,212.16	1,234.38
23 05 13 00-0236	EA	200 HP Motor Mounting	2,539.88	1,481.26

23 05 16 Expansion Fittings And Loops For HVAC Piping *(23 05)*

23 05 16 00-0001 Stainless Steel Bellows Type Expansion Joints *(23 05 16)*

Note: Includes internal sleeves and external covers.

23 05 16 00-0002 Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joints *(23 05 16 00-0001)*

Note: Carbon steel ends. Includes internal sleeves and external covers.

23 05 16 00-0003	EA	1/2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint	154.53	65.55
		For 300 LB Rating, Add	*5.84*	
23 05 16 00-0004	EA	3/4" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint	173.34	73.93
		For 300 LB Rating, Add	*6.39*	
23 05 16 00-0005	EA	1" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint	202.78	84.75
		For 300 LB Rating, Add	*8.34*	
23 05 16 00-0006	EA	1-1/4" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint	228.98	94.59
		For 300 LB Rating, Add	*10.01*	
23 05 16 00-0007	EA	1-1/2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint	247.76	101.66
		For 300 LB Rating, Add	*11.11*	
23 05 16 00-0008	EA	2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint	285.86	119.63
		For 300 LB Rating, Add	*11.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0009		**Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joints** *(23 05 16 00-0001)* Note: Carbon steel ends. Includes internal sleeves and external covers.		
23 05 16 00-0010	EA	1-1/4" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	654.76	59.90
		For 300 LB Rating, Add	*133.75*	
23 05 16 00-0011	EA	1-1/2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	690.76	60.35
		For 300 LB Rating, Add	*142.50*	
23 05 16 00-0012	EA	2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	694.89	62.44
		For 300 LB Rating, Add	*142.52*	
23 05 16 00-0013	EA	2-1/2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	748.46	68.06
		For 300 LB Rating, Add	*153.08*	
23 05 16 00-0014	EA	3" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	821.67	80.04
		For 300 LB Rating, Add	*165.42*	
23 05 16 00-0015	EA	4" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,032.08	159.27
		For 300 LB Rating, Add	*178.43*	
23 05 16 00-0016	EA	5" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,393.89	165.07
		For 300 LB Rating, Add	*266.04*	
23 05 16 00-0017	EA	6" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,276.90	182.77
		For 300 LB Rating, Add	*227.84*	
23 05 16 00-0018	EA	8" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,598.03	208.86
		For 300 LB Rating, Add	*295.33*	
23 05 16 00-0019	EA	10" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	2,038.81	255.87
		For 300 LB Rating, Add	*382.02*	
23 05 16 00-0020	EA	12" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	2,693.73	310.12
		For 300 LB Rating, Add	*518.17*	
23 05 16 00-0021	EA	14" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	3,347.95	315.82
		For 300 LB Rating, Add	*679.04*	
23 05 16 00-0022	EA	16" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	4,479.60	394.78
		For 300 LB Rating, Add	*923.08*	
23 05 16 00-0023		**Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joints** *(23 05 16 00-0001)* Note: Carbon steel ends. Includes internal sleeves and external covers.		
23 05 16 00-0024	EA	1-1/4" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	609.35	89.85
		For 300 LB Rating, Add	*107.43*	
23 05 16 00-0025	EA	1-1/2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	639.02	90.60
		For 300 LB Rating, Add	*114.45*	
23 05 16 00-0026	EA	2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	645.26	93.60
		For 300 LB Rating, Add	*114.47*	
23 05 16 00-0027	EA	2-1/2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	696.16	102.05
		For 300 LB Rating, Add	*122.95*	
23 05 16 00-0028	EA	3" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	772.84	120.03
		For 300 LB Rating, Add	*133.14*	
23 05 16 00-0029	EA	4" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,050.78	239.00
		For 300 LB Rating, Add	*143.32*	
23 05 16 00-0030	EA	5" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,348.68	247.61
		For 300 LB Rating, Add	*213.68*	
23 05 16 00-0031	EA	6" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,279.91	274.15
		For 300 LB Rating, Add	*183.00*	
23 05 16 00-0032	EA	8" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,574.42	313.26
		For 300 LB Rating, Add	*237.20*	
23 05 16 00-0033	EA	10" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,993.42	383.81
		For 300 LB Rating, Add	*306.84*	
23 05 16 00-0034	EA	12" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	2,595.19	465.25
		For 300 LB Rating, Add	*416.19*	
23 05 16 00-0035	EA	14" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	3,213.76	473.73
		For 300 LB Rating, Add	*566.52*	
23 05 16 00-0036	EA	16" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	4,265.05	592.16
		For 300 LB Rating, Add	*770.12*	

23 05 19 Meters And Gages For HVAC Piping *(23 05)*

23 05 19 00-0001 Thermometers *(23 05 19)*

23 05 19 00-0002 Dial Type, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometers *(23 05 19 00-0001)*

Note: Various ranges.

23 05 19 00-0003	EA	2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	82.87	26.03
23 05 19 00-0004	EA	2-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	98.19	26.03
23 05 19 00-0005	EA	3-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	98.19	26.03

23 05 19 00-0006 Liquid Filled Industrial Union Connection Type Thermometers *(23 05 19 00-0001)*

Note: Various ranges.

23 05 19 00-0007	EA	7" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	113.51	26.03
23 05 19 00-0008	EA	9" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	113.51	26.03
23 05 19 00-0009	EA	12" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	145.55	26.03
23 05 19 00-0010	EA	7" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	117.69	26.03
23 05 19 00-0011	EA	9" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	124.65	26.03
23 05 19 00-0012	EA	12" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	149.72	26.03

23 05 19 00-0013 Liquid Filled Industrial Separable Socket Type Thermometers *(23 05 19 00-0001)*

Note: Various ranges. Socket connection for thermowell.

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0014	EA	7" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	113.51	26.03
23 05 19 00-0015	EA	9" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	113.51	26.03
23 05 19 00-0016	EA	12" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	145.55	26.03
23 05 19 00-0017	EA	7" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	131.62	26.03
23 05 19 00-0018	EA	9" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	145.55	26.03
23 05 19 00-0019	EA	12" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	149.10	26.03
23 05 19 00-0020		1" NPT, 304 Stainless Steel Thermowells *(23 05 19 00-0001)*		
23 05 19 00-0021	EA	4" Long, 1" NPT, 304 Stainless Steel Thermowell	131.34	48.80
23 05 19 00-0022	EA	8" Long, 1" NPT, 304 Stainless Steel Thermowell	131.28	48.80
23 05 19 00-0023		Pressure Gauges *(23 05 19)*		
23 05 19 00-0024		Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges *(23 05 19 00-0023)*		
23 05 19 00-0025	EA	2" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	29.25	10.16
23 05 19 00-0026	EA	4" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	37.47	10.16
23 05 19 00-0027		Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges *(23 05 19 00-0023)*		
23 05 19 00-0028	EA	3-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	92.79	10.16
23 05 19 00-0029	EA	4-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	92.79	10.16
23 05 19 00-0030	EA	6" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	117.40	10.16
23 05 19 00-0031	EA	8-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	262.31	10.16
23 05 19 00-0032		Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges *(23 05 19 00-0023)* Note: Liquid filled.		
23 05 19 00-0033	EA	2-1/2" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	78.86	10.16
23 05 19 00-0034	EA	4" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	172.44	10.16
23 05 19 00-0035		Steel Case, 0 To 10K PSI High Pressure, Pressure Gauges *(23 05 19 00-0023)*		
23 05 19 00-0036	EA	4-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	269.66	10.16
23 05 19 00-0037	EA	6-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	269.66	10.16
23 05 19 00-0038	EA	8-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	269.66	10.16
23 05 19 00-0039		Gauge Accessories *(23 05 19 00-0023)*		
23 05 19 00-0040	EA	Pete's Plug (Valve Cock For Removable Pressure Gauge Or Thermometer)	46.55	8.13
23 05 19 00-0041	EA	1/4" Snubber Valve	32.69	8.13
23 05 19 00-0042	EA	1/4" Female Pipe Thread, Brass Gauge Cock	21.25	12.20
23 05 19 00-0043	EA	1/4" Male Pipe Thread, Brass Gauge Cock	19.32	12.20
23 05 19 00-0044	EA	1/4" Pressure Pigtail Steam Siphon	20.21	12.20
23 05 19 00-0045	EA	1/4" x 3" Long Black Steel Nipple	4.65	4.07
23 05 19 00-0046	EA	1/4" Steel Thread-O-Let	51.84	20.34
23 05 19 00-0047	EA	1/4" Black Steel Union	29.59	8.13
23 05 19 00-0048	EA	1/4" Black Steel Coupling	23.85	8.13
23 05 19 00-0049	EA	1/4" Black Steel Plug	14.97	4.87
23 05 19 00-0050	EA	1/4" Black Steel Cap	17.00	4.87
23 05 19 00-0051	LF	1/4" Schedule 40, Threaded, Black Steel Pipe	5.23	
23 05 19 00-0052	LF	1/4" Schedule 80, Plain End, Black Steel Pipe	5.07	
23 05 19 00-0053	LF	1/4" Schedule 40, Threaded, Galvanized Steel Pipe	5.82	
23 05 19 00-0054	EA	1/4" Threaded, 800 LB, Forged Steel, Ball Valve	55.72	
23 05 19 00-0055		Valve Lock Covers *(23 05 19)*		
23 05 19 00-0056	EA	Valve Lock Cover	49.71	12.44
23 05 19 00-0057		Venturi Flowmeters *(23 05 19)*		
23 05 19 00-0058		Threaded, Brass, Venturi Flowmeters *(23 05 19 00-0057)*		
23 05 19 00-0059	EA	3/4" Threaded, Brass, Venturi Flowmeter	148.94	55.30
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0060	EA	1" Threaded, Brass, Venturi Flowmeter	167.34	66.36
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0061	EA	1-1/4" Threaded, Brass, Venturi Flowmeter	184.86	73.77
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0062	EA	1-1/2" Threaded, Brass, Venturi Flowmeter	208.27	82.95
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0063	EA	2" Threaded, Brass, Venturi Flowmeter	245.81	94.83
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0064	EA	2-1/2" Threaded, Brass, Venturi Flowmeter	341.37	130.48
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0065		Butt Weld, Carbon Steel, Venturi Flowmeters *(23 05 19 00-0057)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0066	EA	3" Butt Weld, Carbon Steel, Venturi Flowmeter	531.71	113.76
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*106.46*	
23 05 19 00-0067	EA	4" Butt Weld, Carbon Steel, Venturi Flowmeter	709.03	136.51
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*152.60*	
23 05 19 00-0068	EA	5" Butt Weld, Carbon Steel, Venturi Flowmeter	919.24	170.64
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*202.28*	
23 05 19 00-0069	EA	6" Butt Weld, Carbon Steel, Venturi Flowmeter	1,124.25	227.53
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*234.22*	
23 05 19 00-0070	EA	8" Butt Weld, Carbon Steel, Venturi Flowmeter	1,570.14	273.03
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*358.43*	
23 05 19 00-0071	EA	10" Butt Weld, Carbon Steel, Venturi Flowmeter	2,436.70	341.29
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*613.94*	
23 05 19 00-0072	EA	12" Butt Weld, Carbon Steel, Venturi Flowmeter	3,623.60	483.54
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*929.79*	
23 05 19 00-0073	EA	14" Butt Weld, Carbon Steel, Venturi Flowmeter	5,141.36	725.30
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*1,291.76*	
23 05 19 00-0074	EA	16" Butt Weld, Carbon Steel, Venturi Flowmeter	7,340.56	805.90
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*2,005.07*	
23 05 19 00-0075		**Turbine Flowmeter** *(23 05 19)*		
23 05 19 00-0076	EA	Saddle Mount Turbine Flowmeter	351.93	61.00
23 05 19 00-0077		**Sight Flow Indicator** *(23 05 19)*		
23 05 19 00-0078		**Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator** *(23 05 19 00-0077)*		
23 05 19 00-0079	EA	1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	92.66	11.84
23 05 19 00-0080	EA	3/8" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	96.83	12.45
23 05 19 00-0081	EA	1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	104.57	13.09
23 05 19 00-0082	EA	3/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	118.37	17.64
23 05 19 00-0083	EA	1" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	141.60	21.38
23 05 19 00-0084	EA	1-1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	161.78	27.07
23 05 19 00-0085	EA	1-1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	226.23	31.30
23 05 19 00-0086	EA	2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	251.64	36.99
23 05 19 00-0087		**Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator** *(23 05 19 00-0077)*		
23 05 19 00-0088	EA	1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	118.97	11.84
23 05 19 00-0089	EA	3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	122.56	12.45
23 05 19 00-0090	EA	1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	132.05	13.09
23 05 19 00-0091	EA	3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	141.76	17.64
23 05 19 00-0092	EA	1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	151.53	21.38
23 05 19 00-0093	EA	1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	165.87	27.07
23 05 19 00-0094	EA	1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	305.74	31.30
23 05 19 00-0095	EA	2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	328.82	36.99
23 05 19 00-0096		**Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator** *(23 05 19 00-0077)*		
23 05 19 00-0097	EA	1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	169.83	11.84
23 05 19 00-0098	EA	3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	179.27	12.45
23 05 19 00-0099	EA	1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	194.61	13.09

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0100	EA	3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	213.08	17.64
23 05 19 00-0101	EA	1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	245.08	21.38
23 05 19 00-0102	EA	1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	261.17	27.07
23 05 19 00-0103	EA	1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	516.22	31.30
23 05 19 00-0104	EA	2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	545.14	36.99

23 05 19 00-0105 Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicators *(23 05 19 00-0077)*

23 05 19 00-0106	EA	1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	117.21	11.84
23 05 19 00-0107	EA	3/8" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	121.97	12.45
23 05 19 00-0108	EA	1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	129.13	13.09
23 05 19 00-0109	EA	3/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	141.17	17.64
23 05 19 00-0110	EA	1" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	150.95	21.38
23 05 19 00-0111	EA	1-1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	165.87	27.07
23 05 19 00-0112	EA	1-1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	302.24	31.30
23 05 19 00-0113	EA	2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	324.14	36.99

23 05 19 00-0114 Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicators *(23 05 19 00-0077)*

23 05 19 00-0115	EA	1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	168.66	11.84
23 05 19 00-0116	EA	3/8" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	181.61	12.45
23 05 19 00-0117	EA	1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	198.12	13.09
23 05 19 00-0118	EA	3/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	213.08	17.64
23 05 19 00-0119	EA	1" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	245.08	21.38
23 05 19 00-0120	EA	1-1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	263.50	27.07
23 05 19 00-0121	EA	1-1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	516.22	31.30
23 05 19 00-0122	EA	2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	545.14	36.99

23 05 19 00-0123 Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicators *(23 05 19 00-0077)*

23 05 19 00-0124	EA	1" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	249.76	21.38
23 05 19 00-0125	EA	1-1/4" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	282.21	27.07
23 05 19 00-0126	EA	1-1/2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	320.95	31.30
23 05 19 00-0127	EA	2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	361.56	36.99

23 05 19 00-0128 Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicators *(23 05 19 00-0077)*

23 05 19 00-0129	EA	1-1/2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	552.77	85.36
23 05 19 00-0130	EA	2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	621.04	108.37
23 05 19 00-0131	EA	3" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	905.54	127.22
23 05 19 00-0132	EA	4" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,372.55	213.28
23 05 19 00-0133	EA	6" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	2,238.90	292.31

23 05 19 00-0134 Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicators *(23 05 19 00-0077)*

23 05 19 00-0135	EA	1" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	422.81	60.97
23 05 19 00-0136	EA	1-1/4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	498.79	71.13
23 05 19 00-0137	EA	1-1/2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	540.78	85.36
23 05 19 00-0138	EA	2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	678.05	108.37
23 05 19 00-0139	EA	3" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	975.40	127.22
23 05 19 00-0140	EA	4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,448.26	213.28

23 05 23 General-Duty Valves For HVAC Piping *(23 05)*

23 05 23 00-0001 Gate Valves *(23 05 23)*

23 05 23 00-0002 125 LB Threaded, Brazed Or Soldered Bronze Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure. Class 125 (threaded).

23 05 23 00-0003	EA	1/4" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	35.27	8.12
		For Work In Restricted Working Space, Add	*7.10*	
		For 150 LB Rating, Add	*1.16*	
		For 200 LB Rating, Add	*1.74*	
		For 250 LB Rating, Add	*2.90*	
		For 300 LB Rating, Add	*4.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0004	EA	3/8" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	36.52	8.12
		For Work In Restricted Working Space, Add	*7.48*	
		For 150 LB Rating, Add	*1.16*	
		For 200 LB Rating, Add	*1.74*	
		For 250 LB Rating, Add	*2.90*	
		For 300 LB Rating, Add	*4.06*	
23 05 23 00-0005	EA	1/2" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	37.83	8.12
		For Work In Restricted Working Space, Add	*7.87*	
		For 150 LB Rating, Add	*1.16*	
		For 200 LB Rating, Add	*1.74*	
		For 250 LB Rating, Add	*2.90*	
		For 300 LB Rating, Add	*4.06*	
23 05 23 00-0006	EA	3/4" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	49.19	8.94
		For Work In Restricted Working Space, Add	*10.61*	
		For 150 LB Rating, Add	*1.38*	
		For 200 LB Rating, Add	*2.08*	
		For 250 LB Rating, Add	*3.46*	
		For 300 LB Rating, Add	*4.84*	
23 05 23 00-0007	EA	1" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	63.70	10.16
		For Work In Restricted Working Space, Add	*12.84*	
		For 150 LB Rating, Add	*2.09*	
		For 200 LB Rating, Add	*3.14*	
		For 250 LB Rating, Add	*5.23*	
		For 300 LB Rating, Add	*7.32*	
23 05 23 00-0008	EA	1-1/4" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	82.39	10.81
		For Work In Restricted Working Space, Add	*16.26*	
		For 150 LB Rating, Add	*2.82*	
		For 200 LB Rating, Add	*4.23*	
		For 250 LB Rating, Add	*7.05*	
		For 300 LB Rating, Add	*9.87*	
23 05 23 00-0009	EA	1-1/2" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	98.06	12.52
		For Work In Restricted Working Space, Add	*18.76*	
		For 150 LB Rating, Add	*3.55*	
		For 200 LB Rating, Add	*5.33*	
		For 250 LB Rating, Add	*8.88*	
		For 300 LB Rating, Add	*12.44*	
23 05 23 00-0010	EA	2" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	122.45	14.80
		For Work In Restricted Working Space, Add	*22.17*	
		For 150 LB Rating, Add	*4.85*	
		For 200 LB Rating, Add	*7.28*	
		For 250 LB Rating, Add	*12.14*	
		For 300 LB Rating, Add	*16.99*	
23 05 23 00-0011	EA	2-1/2" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	238.22	19.98
		For Work In Restricted Working Space, Add	*29.93*	
		For 150 LB Rating, Add	*13.84*	
		For 200 LB Rating, Add	*20.77*	
		For 250 LB Rating, Add	*34.61*	
		For 300 LB Rating, Add	*48.45*	
		For Chain Operated Type, Add	*62.30*	
23 05 23 00-0012	EA	3" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	280.62	23.20
		For Work In Restricted Working Space, Add	*34.54*	
		For 150 LB Rating, Add	*16.55*	
		For 200 LB Rating, Add	*24.82*	
		For 250 LB Rating, Add	*41.37*	
		For 300 LB Rating, Add	*57.92*	
		For Chain Operated Type, Add	*74.47*	
23 05 23 00-0013	EA	4" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	525.20	26.19
		For Work In Restricted Working Space, Add	*39.29*	
		For 150 LB Rating, Add	*39.42*	
		For 200 LB Rating, Add	*59.14*	
		For 250 LB Rating, Add	*98.56*	
		For 300 LB Rating, Add	*137.98*	
		For Chain Operated Type, Add	*177.41*	

23 05 23 00-0014 Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure.

23 05 23 00-0015	EA	1-1/2" Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	92.85	12.52
		For Work In Restricted Working Space, Add	*18.76*	
		For 150 LB Rating, Add	*6.06*	
		For 250 LB Rating, Add	*10.61*	
		For Chain Operated Type, Add	*10.61*	
23 05 23 00-0016	EA	2" Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	189.70	14.80
		For Work In Restricted Working Space, Add	*22.17*	
		For 150 LB Rating, Add	*23.16*	
		For 250 LB Rating, Add	*40.53*	
		For Chain Operated Type, Add	*40.53*	
23 05 23 00-0017	EA	2-1/2" Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	273.92	19.98
		For Work In Restricted Working Space, Add	*29.93*	
		For 150 LB Rating, Add	*34.83*	
		For 250 LB Rating, Add	*60.95*	
		For Chain Operated Type, Add	*60.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0018	EA	3" Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	343.62	23.20
		For Work In Restricted Working Space, Add	*34.54*	
		For 150 LB Rating, Add	*45.70*	
		For 250 LB Rating, Add	*79.97*	
		For Chain Operated Type, Add	*79.97*	
23 05 23 00-0019	EA	4" 125 LB Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	746.02	26.19
		For Work In Restricted Working Space, Add	*39.29*	
		For 150 LB Rating, Add	*123.01*	
		For 250 LB Rating, Add	*215.27*	
		For Chain Operated Type, Add	*215.27*	

23 05 23 00-0020 Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure.

23 05 23 00-0021	EA	1-1/2" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	266.04	85.36
		For Work In Restricted Working Space, Add	*32.09*	
		For 150 LB Rating, Add	*46.13*	
		For 250 LB Rating, Add	*79.54*	
		For 300 LB Rating, ASTM A182, Add	*212.56*	
		For Chain Operated Type, Add	*79.54*	
23 05 23 00-0022	EA	2" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	301.85	108.37
		For Work In Restricted Working Space, Add	*40.65*	
		For 150 LB Rating, Add	*48.24*	
		For 250 LB Rating, Add	*83.18*	
		For 300 LB Rating, ASTM A182, Add	*234.11*	
		For Chain Operated Type, Add	*83.18*	
23 05 23 00-0023	EA	2-1/2" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	335.67	108.51
		For Work In Restricted Working Space, Add	*40.82*	
		For 150 LB Rating, Add	*57.89*	
		For 250 LB Rating, Add	*99.81*	
		For 300 LB Rating, ASTM A182, Add	*267.64*	
		For Chain Operated Type, Add	*99.81*	
23 05 23 00-0024	EA	3" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	408.72	127.22
		For Work In Restricted Working Space, Add	*47.77*	
		For 150 LB Rating, Add	*72.35*	
		For 250 LB Rating, Add	*124.75*	
		For 300 LB Rating, ASTM A182, Add	*329.11*	
		For Chain Operated Type, Add	*124.75*	
23 05 23 00-0025	EA	4" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	599.95	213.28
		For Work In Restricted Working Space, Add	*80.18*	
		For 150 LB Rating, Add	*96.48*	
		For 250 LB Rating, Add	*166.34*	
		For 300 LB Rating, ASTM A182, Add	*466.32*	
		For Chain Operated Type, Add	*166.34*	
23 05 23 00-0026	EA	5" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	762.47	263.07
		For Work In Restricted Working Space, Add	*99.01*	
		For 150 LB Rating, Add	*125.41*	
		For 250 LB Rating, Add	*216.22*	
		For 300 LB Rating, ASTM A182, Add	*597.46*	
		For Chain Operated Type, Add	*216.22*	
23 05 23 00-0027	EA	6" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	897.57	292.31
		For Work In Restricted Working Space, Add	*109.62*	
		For 150 LB Rating, Add	*154.33*	
		For 250 LB Rating, Add	*266.09*	
		For 300 LB Rating, ASTM A182, Add	*714.88*	
		For Chain Operated Type, Add	*266.09*	
23 05 23 00-0028	EA	8" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,299.13	336.16
		For Work In Restricted Working Space, Add	*125.27*	
		For 150 LB Rating, Add	*255.65*	
		For 250 LB Rating, Add	*440.78*	
		For 300 LB Rating, ASTM A182, Add	*1,090.34*	
		For Chain Operated Type, Add	*440.78*	
23 05 23 00-0029	EA	10" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,675.77	409.24
		For Work In Restricted Working Space, Add	*153.46*	
		For 150 LB Rating, Add	*337.63*	
		For 250 LB Rating, Add	*582.12*	
		For 300 LB Rating, ASTM A182, Add	*1,420.00*	
		For Chain Operated Type, Add	*582.12*	
23 05 23 00-0030	EA	12" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,283.33	496.93
		For Work In Restricted Working Space, Add	*186.02*	
		For 150 LB Rating, Add	*482.35*	
		For 250 LB Rating, Add	*831.64*	
		For 300 LB Rating, ASTM A182, Add	*1,973.31*	
		For Chain Operated Type, Add	*831.64*	

23 05 23 00-0031 Class 125 Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure.

23 05 23 00-0032	EA	1-1/2" 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	230.50	12.52
		For Work In Restricted Working Space, Add	*18.76*	
		For 175 LB Rating, Add	*83.99*	
		For 250 LB Rating, Add	*125.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0033	EA	2" 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	291.05	14.80
		For Work In Restricted Working Space, Add	*22.17*	
		For 175 LB Rating, Add	*108.57*	
		For 250 LB Rating, Add	*162.86*	
23 05 23 00-0034	EA	2-1/2" 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	344.63	19.98
		For Work In Restricted Working Space, Add	*29.93*	
		For 175 LB Rating, Add	*122.43*	
		For 250 LB Rating, Add	*183.64*	
23 05 23 00-0035	EA	3" 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	385.30	23.20
		For Work In Restricted Working Space, Add	*34.54*	
		For 175 LB Rating, Add	*135.09*	
		For 250 LB Rating, Add	*202.63*	
23 05 23 00-0036	EA	4" 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	504.02	26.19
		For Work In Restricted Working Space, Add	*39.29*	
		For 175 LB Rating, Add	*186.53*	
		For 250 LB Rating, Add	*279.80*	

23 05 23 00-0037 Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure for up to 12". 100 psi steam, basic rating. 150 psi cold working pressure for >12" to 24". 50 psi steam, basic rating. 150 psi cold working pressure for >24".

23 05 23 00-0038	EA	1-1/2" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	336.28	85.36
		For Work In Restricted Working Space, Add	*32.09*	
		For 150 LB Rating, Add	*34.40*	
		For 175 LB Rating, Add	*71.09*	
		For 250 LB Rating, Add	*149.05*	
		For Chain Operated Type, Add	*114.66*	
23 05 23 00-0039	EA	2" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	371.62	108.37
		For Work In Restricted Working Space, Add	*40.65*	
		For 150 LB Rating, Add	*35.42*	
		For 175 LB Rating, Add	*73.20*	
		For 250 LB Rating, Add	*153.48*	
		For Chain Operated Type, Add	*118.07*	
23 05 23 00-0040	EA	2-1/2" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	379.89	108.51
		For Work In Restricted Working Space, Add	*40.82*	
		For 150 LB Rating, Add	*36.57*	
		For 175 LB Rating, Add	*75.59*	
		For 250 LB Rating, Add	*158.49*	
		For Chain Operated Type, Add	*121.92*	
23 05 23 00-0041	EA	3" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	427.51	127.22
		For Work In Restricted Working Space, Add	*47.77*	
		For 150 LB Rating, Add	*40.24*	
		For 175 LB Rating, Add	*83.17*	
		For 250 LB Rating, Add	*174.38*	
		For Chain Operated Type, Add	*134.14*	
23 05 23 00-0042	EA	4" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	592.63	213.28
		For Work In Restricted Working Space, Add	*80.18*	
		For 150 LB Rating, Add	*48.80*	
		For 175 LB Rating, Add	*100.86*	
		For 250 LB Rating, Add	*211.48*	
		For Chain Operated Type, Add	*162.68*	
23 05 23 00-0043	EA	5" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	783.97	263.07
		For Work In Restricted Working Space, Add	*99.01*	
		For 150 LB Rating, Add	*68.09*	
		For 175 LB Rating, Add	*140.72*	
		For 250 LB Rating, Add	*295.06*	
		For Chain Operated Type, Add	*226.97*	
23 05 23 00-0044	EA	6" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	883.81	292.31
		For Work In Restricted Working Space, Add	*109.62*	
		For 150 LB Rating, Add	*77.76*	
		For 175 LB Rating, Add	*160.71*	
		For 250 LB Rating, Add	*336.97*	
		For Chain Operated Type, Add	*259.21*	
23 05 23 00-0045	EA	8" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,294.37	336.16
		For Work In Restricted Working Space, Add	*125.27*	
		For 150 LB Rating, Add	*131.52*	
		For 175 LB Rating, Add	*271.80*	
		For 250 LB Rating, Add	*569.91*	
		For Chain Operated Type, Add	*438.40*	
23 05 23 00-0046	EA	10" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,860.91	409.24
		For Work In Restricted Working Space, Add	*153.46*	
		For 150 LB Rating, Add	*202.41*	
		For 175 LB Rating, Add	*418.30*	
		For 250 LB Rating, Add	*877.09*	
		For Chain Operated Type, Add	*674.69*	
23 05 23 00-0047	EA	12" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,330.27	496.93
		For Work In Restricted Working Space, Add	*186.02*	
		For 150 LB Rating, Add	*256.53*	
		For 175 LB Rating, Add	*530.17*	
		For 250 LB Rating, Add	*1,111.64*	
		For Chain Operated Type, Add	*855.11*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0048	EA	14" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	4,457.97	608.21
		For Work In Restricted Working Space, Add	*243.28*	
		For 150 LB Rating, Add	*547.05*	
		For 175 LB Rating, Add	*1,130.58*	
		For 250 LB Rating, Add	*2,370.57*	
23 05 23 00-0049	EA	16" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	5,742.94	713.63
		For Work In Restricted Working Space, Add	*267.61*	
		For 150 LB Rating, Add	*727.64*	
		For 175 LB Rating, Add	*1,503.78*	
		For 250 LB Rating, Add	*3,153.09*	
23 05 23 00-0050	EA	18" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	7,782.51	794.72
		For Work In Restricted Working Space, Add	*297.35*	
		For 150 LB Rating, Add	*1,018.70*	
		For 175 LB Rating, Add	*2,105.32*	
		For 250 LB Rating, Add	*4,414.38*	
23 05 23 00-0051	EA	20" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	9,845.46	892.03
		For Work In Restricted Working Space, Add	*334.51*	
		For 150 LB Rating, Add	*1,309.56*	
		For 175 LB Rating, Add	*2,706.43*	
		For 250 LB Rating, Add	*5,674.77*	
23 05 23 00-0052	EA	24" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	13,416.16	1,094.77
		For Work In Restricted Working Space, Add	*411.71*	
		For 150 LB Rating, Add	*1,806.57*	
		For 175 LB Rating, Add	*3,733.58*	
		For 250 LB Rating, Add	*7,828.47*	
23 05 23 00-0053	EA	30" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	27,823.17	1,784.06
		For Work In Restricted Working Space, Add	*669.03*	
		For 150 LB Rating, Add	*3,838.96*	
		For 175 LB Rating, Add	*7,933.85*	
		For 250 LB Rating, Add	*16,635.50*	
23 05 23 00-0054	EA	36" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	35,491.70	2,432.82
		For Work In Restricted Working Space, Add	*892.03*	
		For 150 LB Rating, Add	*4,877.74*	
		For 175 LB Rating, Add	*10,080.66*	
		For 250 LB Rating, Add	*21,136.87*	
23 05 23 00-0055	EA	42" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	42,398.13	3,568.13
		For Work In Restricted Working Space, Add	*1,338.05*	
		For 150 LB Rating, Add	*5,690.70*	
		For 175 LB Rating, Add	*11,760.77*	
		For 250 LB Rating, Add	*24,659.68*	
23 05 23 00-0056	EA	48" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	51,074.01	4,460.16
		For Work In Restricted Working Space, Add	*1,672.56*	
		For 150 LB Rating, Add	*6,824.82*	
		For 175 LB Rating, Add	*14,104.63*	
		For 250 LB Rating, Add	*29,574.22*	
23 05 23 00-0057	EA	54" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	61,295.50	5,352.19
		For Work In Restricted Working Space, Add	*2,009.08*	
		For 150 LB Rating, Add	*8,189.78*	
		For 175 LB Rating, Add	*16,925.55*	
		For 250 LB Rating, Add	*35,489.06*	

23 05 23 00-0058 Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valves *(23 05 23 00-0001)*

Note: 800 psig at 850 degrees F.

23 05 23 00-0059	EA	1/4" Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	71.81	13.09
		For Work In Restricted Working Space, Add	*7.10*	
23 05 23 00-0060	EA	1/2" Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	74.37	13.09
		For Work In Restricted Working Space, Add	*7.87*	
23 05 23 00-0061	EA	3/4" Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	89.95	17.64
		For Work In Restricted Working Space, Add	*10.61*	
23 05 23 00-0062	EA	1" Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	109.13	21.38
		For Work In Restricted Working Space, Add	*12.84*	
23 05 23 00-0063	EA	1-1/4" Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	161.23	27.07
		For Work In Restricted Working Space, Add	*16.26*	
23 05 23 00-0064	EA	1-1/2" Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	189.92	31.30
		For Work In Restricted Working Space, Add	*18.76*	
23 05 23 00-0065	EA	2" Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	236.52	36.99
		For Work In Restricted Working Space, Add	*22.17*	

23 05 23 00-0066 Ball Valves *(23 05 23)*

See CSI section 23 23 13 00-0000 for refrigeration valves.

23 05 23 00-0067 Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valves *(23 05 23 00-0066)*

Note: 125 LB WSP.

23 05 23 00-0068	EA	1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	31.61	8.12
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*2.42*	
		For Work In Restricted Working Space, Add	*7.87*	
23 05 23 00-0069	EA	3/4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	43.62	8.94
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*3.72*	
		For Work In Restricted Working Space, Add	*10.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0070	EA	1" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	53.96	10.16
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*5.03*	
		For Work In Restricted Working Space, Add	*12.84*	
23 05 23 00-0071	EA	1-1/4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	72.95	10.81
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*8.44*	
		For Work In Restricted Working Space, Add	*16.26*	
23 05 23 00-0072	EA	1-1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	86.48	12.52
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*10.78*	
		For Work In Restricted Working Space, Add	*18.76*	
23 05 23 00-0073	EA	2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	103.91	14.80
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*13.50*	
		For Work In Restricted Working Space, Add	*22.17*	
23 05 23 00-0074	EA	2-1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	241.36	19.98
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*63.71*	
		For Work In Restricted Working Space, Add	*29.93*	
23 05 23 00-0075	EA	3" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	278.49	23.20
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*73.51*	
		For Work In Restricted Working Space, Add	*34.54*	
23 05 23 00-0076	EA	4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	353.67	26.19
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*100.22*	
		For Work In Restricted Working Space, Add	*39.29*	

23 05 23 00-0077 Screwed, 150 LB, Full Port, Carbon Steel Ball Valves *(23 05 23 00-0066)*

23 05 23 00-0078	EA	1/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	33.97	8.12
		For Work In Restricted Working Space, Add	*7.10*	
23 05 23 00-0079	EA	1/2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	37.41	8.12
		For Work In Restricted Working Space, Add	*7.87*	
23 05 23 00-0080	EA	3/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	51.51	8.94
		For Work In Restricted Working Space, Add	*10.61*	
23 05 23 00-0081	EA	1" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	64.53	10.16
		For Work In Restricted Working Space, Add	*12.84*	
23 05 23 00-0082	EA	1-1/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	91.35	10.81
		For Work In Restricted Working Space, Add	*16.26*	
23 05 23 00-0083	EA	1-1/2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	109.59	12.52
		For Work In Restricted Working Space, Add	*18.76*	
23 05 23 00-0084	EA	2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	138.71	14.80
		For Work In Restricted Working Space, Add	*22.17*	

23 05 23 00-0085 Flanged, 150 LB, Full Port, Carbon Steel Ball Valves *(23 05 23 00-0066)*

23 05 23 00-0086	EA	4" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve	872.60	213.28
		For Work In Restricted Working Space, Add	*80.18*	
23 05 23 00-0087	EA	6" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve	1,479.89	292.31
		For Work In Restricted Working Space, Add	*109.62*	
23 05 23 00-0088	EA	8" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve	3,040.88	336.16
		For Work In Restricted Working Space, Add	*125.27*	

23 05 23 00-0089 Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valves *(23 05 23 00-0066)*

23 05 23 00-0090	EA	1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	29.28	8.12
		For True Union Socket Or Thread Type, Add	*2.60*	
		For Work In Restricted Working Space, Add	*7.87*	
23 05 23 00-0091	EA	3/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	38.86	8.94
		For True Union Socket Or Thread Type, Add	*3.26*	
		For Work In Restricted Working Space, Add	*10.61*	
23 05 23 00-0092	EA	1" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	47.68	10.16
		For True Union Socket Or Thread Type, Add	*4.20*	
		For Work In Restricted Working Space, Add	*12.84*	
23 05 23 00-0093	EA	1-1/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	60.63	10.81
		For True Union Socket Or Thread Type, Add	*5.42*	
		For Work In Restricted Working Space, Add	*16.26*	
23 05 23 00-0094	EA	1-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	73.71	12.52
		For True Union Socket Or Thread Type, Add	*7.75*	
		For Work In Restricted Working Space, Add	*18.76*	
23 05 23 00-0095	EA	2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	88.16	14.80
		For True Union Socket Or Thread Type, Add	*9.58*	
		For Work In Restricted Working Space, Add	*22.17*	
23 05 23 00-0096	EA	2-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	130.45	19.98
		For True Union Socket Or Thread Type, Add	*17.51*	
		For Work In Restricted Working Space, Add	*29.93*	
23 05 23 00-0097	EA	3" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	167.28	23.20
		For True Union Socket Or Thread Type, Add	*26.90*	
		For Work In Restricted Working Space, Add	*34.54*	
23 05 23 00-0098	EA	4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	230.67	26.19
		For True Union Socket Or Thread Type, Add	*46.76*	
		For Work In Restricted Working Space, Add	*39.29*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0099		Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valves *(23 05 23 00-0066)*		
23 05 23 00-0100	EA	1/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	51.69	12.19
		For Full Port, Add	*7.28*	
		For Work In Restricted Working Space, Add	*10.65*	
23 05 23 00-0101	EA	3/8" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	53.56	12.19
		For Full Port, Add	*7.28*	
		For Work In Restricted Working Space, Add	*11.21*	
23 05 23 00-0102	EA	1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	55.52	12.19
		For Full Port, Add	*7.28*	
		For Work In Restricted Working Space, Add	*11.80*	
23 05 23 00-0103	EA	3/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	70.18	13.41
		For Full Port, Add	*7.72*	
		For Work In Restricted Working Space, Add	*15.91*	
23 05 23 00-0104	EA	1" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	89.59	15.24
		For Full Port, Add	*11.43*	
		For Work In Restricted Working Space, Add	*19.25*	
23 05 23 00-0105	EA	1-1/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	116.08	16.22
		For Full Port, Add	*15.65*	
		For Work In Restricted Working Space, Add	*24.39*	
23 05 23 00-0106	EA	1-1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	140.05	18.78
		For Full Port, Add	*20.81*	
		For Work In Restricted Working Space, Add	*28.14*	
23 05 23 00-0107	EA	2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	186.12	22.19
		For Full Port, Add	*33.87*	
		For Work In Restricted Working Space, Add	*33.26*	
23 05 23 00-0108	EA	2-1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	332.32	29.98
		For Full Port, Add	*82.19*	
		For Work In Restricted Working Space, Add	*44.90*	
23 05 23 00-0109	EA	3" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	462.74	34.80
		For Full Port, Add	*130.51*	
		For Work In Restricted Working Space, Add	*51.81*	
23 05 23 00-0110		Globe Valves *(23 05 23)*		
23 05 23 00-0111		Threaded Or Sweated, 125 LB, Bronze Body, Globe Valves *(23 05 23 00-0110)*		
23 05 23 00-0112	EA	1/8" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	39.44	8.12
		For 150 LB Rating, Add	*4.10*	
		For 200 LB Rating, Add	*5.02*	
		For 250 LB Rating, Add	*5.94*	
		For 300 LB Rating, Add	*7.27*	
		For Work In Restricted Working Space, Add	*7.87*	
23 05 23 00-0113	EA	1/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	36.88	8.12
		For 150 LB Rating, Add	*4.10*	
		For 200 LB Rating, Add	*5.02*	
		For 250 LB Rating, Add	*5.94*	
		For 300 LB Rating, Add	*7.27*	
		For Work In Restricted Working Space, Add	*7.10*	
23 05 23 00-0114	EA	3/8" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	44.63	8.12
		For 150 LB Rating, Add	*6.11*	
		For 200 LB Rating, Add	*7.49*	
		For 250 LB Rating, Add	*8.87*	
		For 300 LB Rating, Add	*10.84*	
		For Work In Restricted Working Space, Add	*7.48*	
23 05 23 00-0115	EA	1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	45.94	8.12
		For 150 LB Rating, Add	*6.11*	
		For 200 LB Rating, Add	*7.49*	
		For 250 LB Rating, Add	*8.87*	
		For 300 LB Rating, Add	*10.84*	
		For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*32.17*	
		For Work In Restricted Working Space, Add	*7.87*	
23 05 23 00-0116	EA	3/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	56.72	8.54
		For 150 LB Rating, Add	*6.62*	
		For 200 LB Rating, Add	*8.12*	
		For 250 LB Rating, Add	*9.62*	
		For 300 LB Rating, Add	*11.75*	
		For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*37.65*	
		For Work In Restricted Working Space, Add	*10.61*	
23 05 23 00-0117	EA	1" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	71.67	8.54
		For 150 LB Rating, Add	*8.95*	
		For 200 LB Rating, Add	*10.97*	
		For 250 LB Rating, Add	*13.00*	
		For 300 LB Rating, Add	*15.88*	
		For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*48.88*	
		For Work In Restricted Working Space, Add	*12.84*	
23 05 23 00-0118	EA	1-1/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	104.08	10.81
		For 150 LB Rating, Add	*15.46*	
		For 200 LB Rating, Add	*18.95*	
		For 250 LB Rating, Add	*22.45*	
		For 300 LB Rating, Add	*27.43*	
		For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*76.55*	
		For Work In Restricted Working Space, Add	*16.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0119	EA	1-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	133.81	12.52
		For 150 LB Rating, Add	*22.10*	
		For 200 LB Rating, Add	*27.09*	
		For 250 LB Rating, Add	*32.08*	
		For 300 LB Rating, Add	*39.20*	
		For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*103.42*	
		For Work In Restricted Working Space, Add	*18.76*	
23 05 23 00-0120	EA	2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	157.71	14.80
		For 150 LB Rating, Add	*25.98*	
		For 200 LB Rating, Add	*31.84*	
		For 250 LB Rating, Add	*37.71*	
		For 300 LB Rating, Add	*46.09*	
		For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*121.74*	
		For Work In Restricted Working Space, Add	*22.17*	
23 05 23 00-0121	EA	2-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	184.27	19.98
		For 150 LB Rating, Add	*26.19*	
		For 200 LB Rating, Add	*32.11*	
		For 250 LB Rating, Add	*38.02*	
		For 300 LB Rating, Add	*46.47*	
		For Work In Restricted Working Space, Add	*29.93*	
23 05 23 00-0122	EA	3" Globe Valve, Bronze, Threaded Or Soldered, 125 LB	304.42	23.20
		For 150 LB Rating, Add	*58.68*	
		For 200 LB Rating, Add	*71.93*	
		For 250 LB Rating, Add	*85.18*	
		For 300 LB Rating, Add	*104.11*	
		For Work In Restricted Working Space, Add	*34.54*	
23 05 23 00-0123		**Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valves** *(23 05 23 00-0110)*		
23 05 23 00-0124	EA	2" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	221.14	14.80
		For 150 LB Rating, Add	*45.64*	
		For 200 LB Rating, Add	*55.95*	
		For 250 LB Rating, Add	*66.25*	
		For 300 LB Rating, Add	*80.98*	
		For Chain Operated Type, Add	*122.94*	
		For Work In Restricted Working Space, Add	*22.17*	
23 05 23 00-0125	EA	2-1/2" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	278.25	19.98
		For 150 LB Rating, Add	*55.33*	
		For 200 LB Rating, Add	*67.82*	
		For 250 LB Rating, Add	*80.31*	
		For 300 LB Rating, Add	*98.16*	
		For Chain Operated Type, Add	*149.02*	
		For Work In Restricted Working Space, Add	*29.93*	
23 05 23 00-0126	EA	3" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	329.29	23.20
		For 150 LB Rating, Add	*66.39*	
		For 200 LB Rating, Add	*81.38*	
		For 250 LB Rating, Add	*96.37*	
		For 300 LB Rating, Add	*117.79*	
		For Chain Operated Type, Add	*178.82*	
		For Work In Restricted Working Space, Add	*34.54*	
23 05 23 00-0127	EA	4" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	416.47	26.19
		For 150 LB Rating, Add	*88.52*	
		For 200 LB Rating, Add	*108.51*	
		For 250 LB Rating, Add	*128.49*	
		For 300 LB Rating, Add	*157.05*	
		For Chain Operated Type, Add	*238.43*	
		For Work In Restricted Working Space, Add	*39.28*	
23 05 23 00-0128		**Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valves** *(23 05 23 00-0110)*		
23 05 23 00-0129	EA	2" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	271.77	108.37
		For 150 LB Rating, Add	*42.25*	
		For 250 LB Rating, Add	*61.33*	
		For Chain Operated Type, Add	*68.14*	
		For Work In Restricted Working Space, Add	*40.65*	
23 05 23 00-0130	EA	2-1/2" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	302.19	108.51
		For 150 LB Rating, Add	*51.50*	
		For 250 LB Rating, Add	*74.76*	
		For Chain Operated Type, Add	*83.07*	
		For Work In Restricted Working Space, Add	*40.82*	
23 05 23 00-0131	EA	3" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	358.59	127.22
		For 150 LB Rating, Add	*61.80*	
		For 250 LB Rating, Add	*89.71*	
		For Chain Operated Type, Add	*99.68*	
		For Work In Restricted Working Space, Add	*47.77*	
23 05 23 00-0132	EA	4" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	499.67	213.28
		For 150 LB Rating, Add	*82.40*	
		For 250 LB Rating, Add	*119.61*	
		For Chain Operated Type, Add	*132.91*	
		For Work In Restricted Working Space, Add	*70.16*	
23 05 23 00-0133	EA	5" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	699.67	263.07
		For 150 LB Rating, Add	*114.59*	
		For 250 LB Rating, Add	*166.34*	
		For Chain Operated Type, Add	*184.82*	
		For Work In Restricted Working Space, Add	*99.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0134	EA	6" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	832.64	292.31
		For 150 LB Rating, Add	*144.85*	
		For 250 LB Rating, Add	*210.26*	
		For Chain Operated Type, Add	*233.63*	
		For Work In Restricted Working Space, Add	*109.62*	
23 05 23 00-0135	EA	8" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	1,136.10	336.16
		For 150 LB Rating, Add	*222.74*	
		For 250 LB Rating, Add	*323.33*	
		For Chain Operated Type, Add	*359.26*	
		For Work In Restricted Working Space, Add	*125.27*	
23 05 23 00-0136	EA	10" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	1,605.93	409.24
		For 150 LB Rating, Add	*339.26*	
		For 250 LB Rating, Add	*492.48*	
		For Chain Operated Type, Add	*547.20*	
		For Work In Restricted Working Space, Add	*153.46*	
23 05 23 00-0137	EA	12" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	2,690.94	496.93
		For 150 LB Rating, Add	*641.98*	
		For 250 LB Rating, Add	*931.90*	
		For Chain Operated Type, Add	*1,035.45*	
		For Work In Restricted Working Space, Add	*186.02*	

23 05 23 00-0138 Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valves *(23 05 23 00-0110)*

23 05 23 00-0139	EA	1/8" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	36.23	8.12
		For 150 LB Rating, Add	*3.10*	
		For 200 LB Rating, Add	*3.80*	
		For 300 LB Rating, Add	*5.50*	
		For Work In Restricted Working Space, Add	*7.87*	
23 05 23 00-0140	EA	1/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	33.67	8.12
		For 150 LB Rating, Add	*3.10*	
		For 200 LB Rating, Add	*3.80*	
		For 300 LB Rating, Add	*5.50*	
		For Work In Restricted Working Space, Add	*7.10*	
23 05 23 00-0141	EA	3/8" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	34.92	8.12
		For 150 LB Rating, Add	*3.10*	
		For 200 LB Rating, Add	*3.80*	
		For 300 LB Rating, Add	*5.50*	
		For Work In Restricted Working Space, Add	*7.48*	
23 05 23 00-0142	EA	1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	36.90	8.12
		For 150 LB Rating, Add	*3.31*	
		For 200 LB Rating, Add	*4.05*	
		For 300 LB Rating, Add	*5.87*	
		For Work In Restricted Working Space, Add	*7.87*	
23 05 23 00-0143	EA	3/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	50.15	8.54
		For 150 LB Rating, Add	*4.59*	
		For 200 LB Rating, Add	*5.62*	
		For 300 LB Rating, Add	*8.14*	
		For Work In Restricted Working Space, Add	*10.61*	
23 05 23 00-0144	EA	1" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	62.21	8.54
		For 150 LB Rating, Add	*6.02*	
		For 200 LB Rating, Add	*7.38*	
		For 300 LB Rating, Add	*10.68*	
		For Work In Restricted Working Space, Add	*12.84*	
23 05 23 00-0145	EA	1-1/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	83.04	10.81
		For 150 LB Rating, Add	*8.94*	
		For 200 LB Rating, Add	*10.96*	
		For 300 LB Rating, Add	*15.86*	
		For Work In Restricted Working Space, Add	*16.26*	
23 05 23 00-0146	EA	1-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	96.16	12.52
		For 150 LB Rating, Add	*10.43*	
		For 200 LB Rating, Add	*12.78*	
		For 300 LB Rating, Add	*18.50*	
		For Work In Restricted Working Space, Add	*18.76*	
23 05 23 00-0147	EA	2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	124.56	14.80
		For 150 LB Rating, Add	*15.70*	
		For 200 LB Rating, Add	*19.25*	
		For 300 LB Rating, Add	*27.86*	
		For Work In Restricted Working Space, Add	*22.17*	
23 05 23 00-0148	EA	2-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	199.76	21.71
		For 150 LB Rating, Add	*28.32*	
		For 200 LB Rating, Add	*34.72*	
		For 300 LB Rating, Add	*50.25*	
		For Work In Restricted Working Space, Add	*32.52*	
23 05 23 00-0149	EA	3" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	279.80	25.20
		For 150 LB Rating, Add	*47.97*	
		For 200 LB Rating, Add	*58.80*	
		For 300 LB Rating, Add	*85.10*	
		For Work In Restricted Working Space, Add	*37.52*	

23 05 23 00-0150 Flanged, 125 LB, Iron Body, Angle Globe Valves *(23 05 23 00-0110)*

23 05 23 00-0151	EA	2" Flanged, 125 LB, Iron Body, Angle Globe Valve	486.11	108.37
		For 250 LB Rating, Add	*210.37*	
		For Chain Operated Type, Add	*136.74*	
		For Work In Restricted Working Space, Add	*40.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0152	EA	2-1/2" Flanged, 125 LB, Iron Body, Angle Globe Valve	550.73	108.51
		For 250 LB Rating, Add	*248.80*	
		For Chain Operated Type, Add	*161.72*	
		For Work In Restricted Working Space, Add	*40.82*	
23 05 23 00-0153	EA	3" Flanged, 125 LB, Iron Body, Angle Globe Valve	647.89	127.22
		For 250 LB Rating, Add	*293.20*	
		For Chain Operated Type, Add	*190.58*	
		For Work In Restricted Working Space, Add	*47.77*	
23 05 23 00-0154	EA	4" Flanged, 125 LB, Iron Body, Angle Globe Valve	965.22	213.28
		For 250 LB Rating, Add	*418.77*	
		For Chain Operated Type, Add	*272.20*	
		For Work In Restricted Working Space, Add	*80.18*	
23 05 23 00-0155	EA	5" Flanged, 125 LB, Iron Body, Angle Globe Valve	1,580.88	263.07
		For 250 LB Rating, Add	*750.51*	
		For Chain Operated Type, Add	*487.83*	
		For Work In Restricted Working Space, Add	*99.01*	
23 05 23 00-0156	EA	6" Flanged, 125 LB, Iron Body, Angle Globe Valve	1,616.24	292.31
		For 250 LB Rating, Add	*750.51*	
		For Chain Operated Type, Add	*487.83*	
		For Work In Restricted Working Space, Add	*109.62*	
23 05 23 00-0157	EA	8" Flanged, 125 LB, Iron Body, Angle Globe Valve	2,865.75	336.16
		For 250 LB Rating, Add	*1,468.90*	
		For Chain Operated Type, Add	*954.79*	
		For Work In Restricted Working Space, Add	*125.27*	

23 05 23 00-0158 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valves *(23 05 23 00-0110)*

Note: 800 PSIG at 850 degrees F.

23 05 23 00-0159	EA	1/4" Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	87.66	13.17
		For Work In Restricted Working Space, Add	*7.10*	
23 05 23 00-0160	EA	1/2" Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	90.22	13.17
		For Work In Restricted Working Space, Add	*7.87*	
23 05 23 00-0161	EA	3/4" Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	108.14	17.72
		For Work In Restricted Working Space, Add	*10.61*	
23 05 23 00-0162	EA	1" Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	133.20	21.38
		For Work In Restricted Working Space, Add	*12.84*	
23 05 23 00-0163	EA	1-1/4" Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	209.18	27.07
		For Work In Restricted Working Space, Add	*16.26*	
23 05 23 00-0164	EA	1-1/2" Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	249.80	31.30
		For Work In Restricted Working Space, Add	*18.76*	
23 05 23 00-0165	EA	2" Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	315.19	36.99
		For Work In Restricted Working Space, Add	*22.17*	

23 05 23 00-0166 Triple Duty Valves *(23 05 23)*

Note: Valves function as a shut-off, check valve and calibrated balancing valve.

23 05 23 00-0167 Straight Pattern, Triple Duty Valves *(23 05 23 00-0166)*

Note: Bell & Gossett 3DX and 3DS-S Series.

23 05 23 00-0168	EA	1" Threaded, Straight Pattern, Triple Duty Valve	222.89	8.54
23 05 23 00-0169	EA	1-1/4" Threaded, Straight Pattern, Triple Duty Valve	258.08	10.81
23 05 23 00-0170	EA	1-1/2" Threaded, Straight Pattern, Triple Duty Valve	280.03	12.52
23 05 23 00-0171	EA	2" Flanged, Straight Pattern, Triple Duty Valve	702.24	22.19
23 05 23 00-0172	EA	2-1/2" Flanged, Straight Pattern, Triple Duty Valve	819.21	108.51
23 05 23 00-0173	EA	3" Flanged, Straight Pattern, Triple Duty Valve	896.76	127.22
23 05 23 00-0174	EA	4" Flanged, Straight Pattern, Triple Duty Valve	1,837.50	213.28
23 05 23 00-0175	EA	5" Flanged, Straight Pattern Triple Duty Valve	2,182.35	263.07
23 05 23 00-0176	EA	6" Flanged, Straight Pattern, Triple Duty Valve	2,894.07	292.31
23 05 23 00-0177	EA	8" Flanged, Straight Pattern, Triple Duty Valve	3,850.33	336.16
23 05 23 00-0178	EA	10" Flanged, Straight Pattern, Triple Duty Valve	6,180.67	409.24

23 05 23 00-0179 Flanged, Angle Pattern, Triple Duty Valves *(23 05 23 00-0166)*

Note: Bell & Gossett 3D-S Series.

23 05 23 00-0180	EA	2" Flanged, Angle Pattern, Triple Duty Valve	685.25	22.19
23 05 23 00-0181	EA	2-1/2" Flanged, Angle Pattern, Triple Duty Valve	798.82	108.51
23 05 23 00-0182	EA	3" Flanged, Angle Pattern, Triple Duty Valve	879.77	127.22
23 05 23 00-0183	EA	4" Flanged, Angle Pattern, Triple Duty Valve	1,793.31	213.28
23 05 23 00-0184	EA	5" Flanged, Angle Pattern, Triple Duty Valve	2,127.97	263.07
23 05 23 00-0185	EA	6" Flanged, Angle Pattern, Triple Duty Valve	2,384.25	292.31
23 05 23 00-0186	EA	8" Flanged, Angle Pattern, Triple Duty Valve	3,609.02	336.16
23 05 23 00-0187	EA	10" Flanged, Angle Pattern, Triple Duty Valve	4,824.57	409.24

23 05 23 00-0188 Balanced, Straight Pattern, Triple Duty Valves *(23 05 23 00-0166)*

Note: Bell & Gossett 3DS-B Series.

23 05 23 00-0189	EA	3" Flanged, Balanced, Straight Pattern, Triple Duty Valve	821.99	127.22
23 05 23 00-0190	EA	4" Flanged, Balanced, Straight Pattern, Triple Duty Valve	1,640.37	213.28
23 05 23 00-0191	EA	5" Flanged, Balanced, Straight Pattern, Triple Duty Valve	1,954.64	263.07
23 05 23 00-0192	EA	6" Flanged, Balanced, Straight Pattern, Triple Duty Valve	2,584.78	292.31
23 05 23 00-0193	EA	8" Flanged, Balanced, Straight Pattern, Triple Duty Valve	3,428.88	336.16
23 05 23 00-0194	EA	10" Flanged, Balanced, Straight Pattern, Triple Duty Valve	5,477.13	409.24

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0195	EA	12" Flanged, Balanced, Straight Pattern, Triple Duty Valve	8,246.99	496.93
23 05 23 00-0196	EA	14" Flanged, Balanced, Straight Pattern, Triple Duty Valve	10,024.26	548.08
23 05 23 00-0197	EA	16" Flanged, Balanced, Straight Pattern, Triple Duty Valve	12,560.85	643.08
23 05 23 00-0198		**Grooved Straight Pattern, Triple Duty Valves** *(23 05 23 00-0166)* Note: Bell & Gossett 3DS-G Series.		
23 05 23 00-0199	EA	2" Grooved, Straight Pattern, Triple Duty Valve	777.40	20.08
23 05 23 00-0200	EA	2-1/2" Grooved, Straight Pattern, Triple Duty Valve	926.62	23.94
23 05 23 00-0201	EA	3" Grooved, Straight Pattern, Triple Duty Valve	1,078.93	25.97
23 05 23 00-0202	EA	4" Grooved, Straight Pattern, Triple Duty Valve	1,792.65	27.99
23 05 23 00-0203	EA	5" Grooved, Straight Pattern, Triple Duty Valve	2,077.80	37.27
23 05 23 00-0204	EA	6" Grooved, Straight Pattern Triple Duty Valve	2,770.24	47.79
23 05 23 00-0205	EA	8" Grooved, Straight Pattern Triple Duty Valve	3,768.07	60.65
23 05 23 00-0206	EA	10" Grooved, Straight Pattern Triple Duty Valve	5,948.17	67.96
23 05 23 00-0207	EA	12" Grooved, Straight Pattern Triple Duty Valve	9,446.04	82.87
23 05 23 00-0208		**Plug Valves** *(23 05 23)*		
23 05 23 00-0209		**Plug Valves, Lubricated, Semisteel Screwed, Wrench Operated** *(23 05 23 00-0208)* Note: Includes wrench.		
23 05 23 00-0210	EA	1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	119.82	8.12
23 05 23 00-0211	EA	3/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	128.94	8.94
23 05 23 00-0212	EA	1" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	162.17	10.16
23 05 23 00-0213	EA	1-1/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	195.55	10.81
23 05 23 00-0214	EA	1-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	216.29	12.52
23 05 23 00-0215	EA	2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	255.37	14.80
23 05 23 00-0216	EA	2-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	377.70	19.98
23 05 23 00-0217	EA	3" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	458.95	23.20
23 05 23 00-0218		**Plug Valves, Lubricated, Semisteel Flanged** *(23 05 23 00-0208)* Note: Wrench operated for 4", gear operated for 6" and 10".		
23 05 23 00-0219	EA	2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	281.02	108.37
23 05 23 00-0220	EA	2-1/2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	327.76	108.51
23 05 23 00-0221	EA	3" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	400.11	127.22
23 05 23 00-0222	EA	4" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	593.46	213.28
23 05 23 00-0223	EA	6" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	1,235.55	292.31
23 05 23 00-0224	EA	8" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	1,985.28	336.16
23 05 23 00-0225	EA	10" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	3,124.04	409.24
23 05 23 00-0226	EA	12" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	4,585.47	496.93
23 05 23 00-0227		**Plug Valves, Forged Steel, Screwed** *(23 05 23 00-0208)*		
23 05 23 00-0228	EA	1/2" Plug Valve, 1,500 LB, Forged Steel, Screwed	426.57	8.12
23 05 23 00-0229	EA	3/4" Plug Valve, 1,500 LB, Forged Steel, Screwed	506.03	8.94
23 05 23 00-0230	EA	1" Plug Valve, 1,500 LB, Forged Steel, Screwed	573.39	10.16
23 05 23 00-0231	EA	1-1/4" Plug Valve, 1,500 LB, Forged Steel, Screwed	689.30	10.81
23 05 23 00-0232	EA	1-1/2" Plug Valve, 1,500 LB, Forged Steel, Screwed	802.42	12.52
23 05 23 00-0233	EA	2" Plug Valve, 1,500 LB, Forged Steel, Screwed	1,051.75	14.80
23 05 23 00-0234		**Plug Valves, Eccentric, Cast Iron Flanged** *(23 05 23 00-0208)*		
23 05 23 00-0235	EA	4" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	660.01	213.28
23 05 23 00-0236	EA	6" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	1,003.47	263.07
23 05 23 00-0237	EA	8" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	1,356.29	336.16
23 05 23 00-0238	EA	10" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	1,900.93	409.24
23 05 23 00-0239	EA	12" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	2,443.37	496.93
23 05 23 00-0240		**Foot Valves** *(23 05 23)*		
23 05 23 00-0241		**Single Poppet Foot Valves, Metal To Metal Seat Construction** *(23 05 23 00-0240)*		
23 05 23 00-0242	EA	1" Single Poppet Foot Valve, Metal To Metal Seat Construction	54.51	20.34
23 05 23 00-0243	EA	1-1/4" Single Poppet Foot Valve, Metal To Metal Seat Construction	61.50	22.77
23 05 23 00-0244	EA	1-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction	75.52	26.03
23 05 23 00-0245	EA	2" Single Poppet Foot Valve, Metal To Metal Seat Construction	95.25	29.28
23 05 23 00-0246	EA	2-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction	199.99	47.98
23 05 23 00-0247	EA	3" Single Poppet Foot Valve, Metal To Metal Seat Construction	252.81	58.56
23 05 23 00-0248		**Double Poppet Foot Valves, Metal To Metal Seat Construction** *(23 05 23 00-0240)*		
23 05 23 00-0249	EA	1" Double Poppet Foot Valve, Metal To Metal Seat Construction	54.51	20.34
23 05 23 00-0250	EA	1-1/4" Double Poppet Foot Valve, Metal To Metal Seat Construction	97.08	22.77
23 05 23 00-0251	EA	1-1/2" Double Poppet Foot Valve, Metal To Metal Seat Construction	96.05	26.03
23 05 23 00-0252	EA	2" Double Poppet Foot Valve, Metal To Metal Seat Construction	125.35	29.28
23 05 23 00-0253	EA	3" Double Poppet Foot Valve, Metal To Metal Seat Construction	237.30	47.98
23 05 23 00-0254	EA	4" Double Poppet Foot Valve, Metal To Metal Seat Construction	316.13	57.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0255		**Float Valves** *(23 05 23)*		
23 05 23 00-0256		**Float Valve Assembly For Maintaining Liquid Level In Tanks** *(23 05 23 00-0255)*		
23 05 23 00-0257		**Single Seat, Bronze Construction** *(23 05 23 00-0256)*		
		Note: For storage tanks, reservoirs, cooling towers and filtration plants.		
23 05 23 00-0258	EA	Inlet Size 1/2", Maximum PSI 100, Single Seat Float Valve	98.48	17.08
23 05 23 00-0259	EA	Inlet Size 3/4", Maximum PSI 100, Single Seat Float Valve	113.58	20.33
23 05 23 00-0260	EA	Inlet Size 1", Maximum PSI 100, Single Seat Float Valve	142.87	21.95
23 05 23 00-0261	EA	Inlet Size 1-1/4", Maximum PSI 90, Single Seat Float Valve	230.25	27.64
23 05 23 00-0262	EA	Inlet Size 1-1/2", Maximum PSI 90, Single Seat Float Valve	238.37	31.70
23 05 23 00-0263		**Double Seat, Bronze Construction** *(23 05 23 00-0256)*		
		Note: For hot or cold water or oil to open tanks.		
23 05 23 00-0264	EA	Pipe Size 1/2" Maximum PSI 150, Double Seat Float Valve	458.67	17.08
23 05 23 00-0265	EA	Pipe Size 3/4" Maximum PSI 150, Double Seat Float Valve	465.17	20.33
23 05 23 00-0266	EA	Pipe Size 1" Maximum PSI 150, Double Seat Float Valve	535.16	21.95
23 05 23 00-0267	EA	Pipe Size 1-1/4" Maximum PSI 150, Double Seat Float Valve	594.78	27.64
23 05 23 00-0268	EA	Pipe Size 1-1/2" Maximum PSI 150, Double Seat Float Valve	680.09	31.70
23 05 23 00-0269	EA	Pipe Size 2" Maximum PSI 150, Double Seat Float Valve	888.31	37.39
23 05 23 00-0270	EA	Pipe Size 2-1/2" Maximum PSI 150, Double Seat Float Valve	1,039.29	50.14
23 05 23 00-0271	EA	Pipe Size 3" Maximum PSI 150, Double Seat Float Valve	1,247.97	57.63
23 05 23 00-0272		**Float Valve Single Seated Balanced For Air Oil Or Water** *(23 05 23 00-0255)*		
		Note: Includes arm, ball and bracket.		
23 05 23 00-0273		**Brass Body Threaded Ends** *(23 05 23 00-0272)*		
23 05 23 00-0274	EA	1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	116.72	22.03
23 05 23 00-0275	EA	3/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	131.41	24.47
23 05 23 00-0276	EA	1" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	158.29	27.07
23 05 23 00-0277	EA	1-1/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	253.65	43.74
23 05 23 00-0278	EA	1-1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	271.20	49.84
23 05 23 00-0279	EA	2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	313.04	61.79
23 05 23 00-0280		**Cast Iron Body Flanged** *(23 05 23 00-0272)*		
23 05 23 00-0281	EA	2-1/2" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket	2,884.98	131.71
23 05 23 00-0282	EA	3" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket	3,475.08	149.67
23 05 23 00-0283		**Float Operated Valves** *(23 05 23 00-0255)*		
23 05 23 00-0284		**For Condensate Receivers Tanks And Vessels** *(23 05 23 00-0283)*		
		Note: Cast iron body, self-contained, float in-line mount.		
23 05 23 00-0285	EA	1" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket	347.00	38.21
23 05 23 00-0286		**For Condensate Receivers Tanks And Vessels** *(23 05 23 00-0283)*		
		Note: Cast iron body, external float tank mount, flanged.		
23 05 23 00-0287	EA	3/4" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket	458.05	71.09
23 05 23 00-0288		**Needle Valves** *(23 05 23)*		
23 05 23 00-0289		**Bronze Needle Valve** *(23 05 23 00-0288)*		
		Note: For heating and cooling applications.		
23 05 23 00-0290	EA	1/4" Needle Valve, Bronze	54.08	8.12
23 05 23 00-0291	EA	3/8" Needle Valve, Bronze	59.62	8.12
23 05 23 00-0292	EA	1/2" Needle Valve, Bronze	64.73	8.12
23 05 23 00-0293	EA	3/4" Needle Valve, Bronze	96.15	8.94
23 05 23 00-0294	EA	1" Needle Valve, Bronze	141.98	10.16
23 05 23 00-0295		**Eccentric Valves With Taps** *(23 05 23)*		
23 05 23 00-0296		**Screwed Eccentric Valves With Taps** *(23 05 23 00-0295)*		
23 05 23 00-0297	EA	1/2" Diameter Eccentric Valves With Taps, Screwed	117.03	8.12
23 05 23 00-0298	EA	3/4" Diameter Eccentric Valves With Taps, Screwed	127.54	8.94
23 05 23 00-0299	EA	1" Diameter Eccentric Valves With Taps, Screwed	160.13	10.16
23 05 23 00-0300	EA	1-1/4" Diameter Eccentric Valves With Taps, Screwed	195.28	10.81
23 05 23 00-0301	EA	1-1/2" Diameter Eccentric Valves With Taps, Screwed	214.79	12.52
23 05 23 00-0302	EA	2" Diameter Eccentric Valves With Taps, Screwed	252.71	14.80
23 05 23 00-0303	EA	2-1/2" Diameter Eccentric Valves With Taps, Screwed	376.36	19.98
23 05 23 00-0304	EA	3" Diameter Eccentric Valves With Taps, Screwed	454.57	23.20
23 05 23 00-0305		**Flanged Eccentric Valves With Taps** *(23 05 23 00-0295)*		
23 05 23 00-0306	EA	2-1/2" Diameter Eccentric Valves With Taps, Flanged	464.33	108.51
23 05 23 00-0307	EA	3" Diameter Eccentric Valves With Taps, Flanged	550.36	127.22
23 05 23 00-0308	EA	4" Diameter Eccentric Valves With Taps, Flanged	763.16	213.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0309	EA	5" Diameter Eccentric Valves With Taps, Flanged	1,028.47	263.07
23 05 23 00-0310	EA	6" Diameter Eccentric Valves With Taps, Flanged	1,273.36	292.31
23 05 23 00-0311	EA	8" Diameter Eccentric Valves With Taps, Flanged	2,058.91	336.16
23 05 23 00-0312	EA	10" Diameter Eccentric Valves With Taps, Flanged	2,851.31	409.24
23 05 23 00-0313	EA	12" Diameter Eccentric Valves With Taps, Flanged	4,775.77	496.93

23 05 23 00-0314 Swing Check Valves *(23 05 23)*

23 05 23 00-0315 Iron Body Wafer Type Check Valve *(23 05 23 00-0314)*

23 05 23 00-0316 Single Disk Type *(23 05 23 00-0315)*

23 05 23 00-0317	EA	2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	251.64	108.41
		For 150 LB Rating, Add	*24.38*	
		For 200 LB Rating, Add	*29.02*	
		For 300 LB Rating, Add	*34.83*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*79.35*	
23 05 23 00-0318	EA	2-1/2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	288.24	108.57
		For 150 LB Rating, Add	*31.94*	
		For 200 LB Rating, Add	*38.03*	
		For 300 LB Rating, Add	*45.63*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*95.67*	
23 05 23 00-0319	EA	3" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	351.57	127.29
		For 150 LB Rating, Add	*40.37*	
		For 200 LB Rating, Add	*48.06*	
		For 300 LB Rating, Add	*57.68*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*118.38*	
23 05 23 00-0320	EA	4" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	527.80	213.39
		For 150 LB Rating, Add	*54.68*	
		For 200 LB Rating, Add	*65.10*	
		For 300 LB Rating, Add	*78.12*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*170.66*	
23 05 23 00-0321	EA	6" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	782.25	299.50
		For 150 LB Rating, Add	*85.65*	
		For 200 LB Rating, Add	*101.97*	
		For 300 LB Rating, Add	*122.36*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*258.42*	
23 05 23 00-0322	EA	8" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	1,054.89	344.43
		For 150 LB Rating, Add	*131.44*	
		For 200 LB Rating, Add	*156.48*	
		For 300 LB Rating, Add	*187.77*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*367.46*	
23 05 23 00-0323	EA	10" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	1,527.68	419.30
		For 150 LB Rating, Add	*209.94*	
		For 200 LB Rating, Add	*249.93*	
		For 300 LB Rating, Add	*299.91*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*555.46*	

23 05 23 00-0324 Twin Disc Type *(23 05 23 00-0315)*

23 05 23 00-0325	EA	2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	265.91	108.41
		For 150 LB Rating, Add	*27.38*	
		For 200 LB Rating, Add	*32.59*	
		For 300 LB Rating, Add	*39.11*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*85.77*	
23 05 23 00-0326	EA	2-1/2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	292.59	108.57
		For 150 LB Rating, Add	*32.85*	
		For 200 LB Rating, Add	*39.11*	
		For 300 LB Rating, Add	*46.94*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*97.63*	
23 05 23 00-0327	EA	3" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	341.85	127.29
		For 150 LB Rating, Add	*38.33*	
		For 200 LB Rating, Add	*45.63*	
		For 300 LB Rating, Add	*54.76*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*114.00*	
23 05 23 00-0328	EA	4" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	499.22	213.39
		For 150 LB Rating, Add	*48.68*	
		For 200 LB Rating, Add	*57.95*	
		For 300 LB Rating, Add	*69.54*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*157.80*	
23 05 23 00-0329	EA	6" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	748.18	299.50
		For 150 LB Rating, Add	*78.50*	
		For 200 LB Rating, Add	*93.45*	
		For 300 LB Rating, Add	*112.14*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*243.09*	
23 05 23 00-0330	EA	8" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	998.72	344.43
		For 150 LB Rating, Add	*119.88*	
		For 200 LB Rating, Add	*142.71*	
		For 300 LB Rating, Add	*171.26*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*342.46*	
23 05 23 00-0331	EA	10" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	1,428.40	37.44
		For 150 LB Rating, Add	*189.85*	
		For 200 LB Rating, Add	*226.01*	
		For 300 LB Rating, Add	*271.22*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*511.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0332	EA	12" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	1,845.78	509.16
		For 150 LB Rating, Add	*254.36*	
		For 200 LB Rating, Add	*302.81*	
		For 300 LB Rating, Add	*363.37*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*671.97*	
23 05 23 00-0333	EA	14" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	3,255.50	594.37
		For 150 LB Rating, Add	*517.23*	
		For 200 LB Rating, Add	*615.75*	
		For 300 LB Rating, Add	*738.90*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*1,266.85*	
23 05 23 00-0334	EA	16" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	4,348.93	697.40
		For 150 LB Rating, Add	*730.21*	
		For 200 LB Rating, Add	*869.30*	
		For 300 LB Rating, Add	*1,043.15*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*1,739.08*	
23 05 23 00-0335	EA	18" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	5,689.73	776.65
		For 150 LB Rating, Add	*991.44*	
		For 200 LB Rating, Add	*1,180.28*	
		For 300 LB Rating, Add	*1,416.34*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*2,318.23*	
23 05 23 00-0336	EA	20" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	6,735.57	871.75
		For 150 LB Rating, Add	*1,185.63*	
		For 200 LB Rating, Add	*1,411.47*	
		For 300 LB Rating, Add	*1,693.76*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*2,758.58*	
23 05 23 00-0337	EA	24" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	8,759.64	1,069.87
		For 150 LB Rating, Add	*1,557.88*	
		For 200 LB Rating, Add	*1,854.62*	
		For 300 LB Rating, Add	*2,225.55*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*3,606.55*	

23 05 23 00-0338 Lift Check Valves *(23 05 23 00-0314)*

23 05 23 00-0339 Bronze Body, Threaded, Vertical Lift Check Valves *(23 05 23 00-0338)*

Note: Watts #600 series.

23 05 23 00-0340	EA	3/8" Lift Check Valve, Bronze, Threaded	55.92	8.12
23 05 23 00-0341	EA	1/2" Lift Check Valve, Bronze, Threaded	59.10	8.12
23 05 23 00-0342	EA	3/4" Lift Check Valve, Bronze, Threaded	76.29	8.54
23 05 23 00-0343	EA	1" Lift Check Valve, Bronze, Threaded	98.67	8.54
23 05 23 00-0344	EA	1-1/4" Lift Check Valve, Bronze, Threaded	134.29	10.81
23 05 23 00-0345	EA	1-1/2" Lift Check Valve, Bronze, Threaded	161.70	12.52
23 05 23 00-0346	EA	2" Lift Check Valve, Bronze, Threaded	223.02	14.80

23 05 23 00-0347 Bronze Body, Threaded, 300 LB, Lift Check Valves *(23 05 23 00-0338)*

Note: Crane 366E.

23 05 23 00-0348	EA	1/2" Lift Check Valve, Bronze, Threaded, 300 LB	283.71	8.12
23 05 23 00-0349	EA	3/4" Lift Check Valve, Bronze, Threaded, 300 LB	346.33	8.54
23 05 23 00-0350	EA	1" Lift Check Valve, Bronze, Threaded, 300 LB	611.26	8.54
23 05 23 00-0351	EA	1-1/4" Lift Check Valve, Bronze, Threaded, 300 LB	813.27	10.81
23 05 23 00-0352	EA	1-1/2" Lift Check Valve, Bronze, Threaded, 300 LB	885.15	12.52
23 05 23 00-0353	EA	2" Lift Check Valve, Bronze, Threaded, 300 LB	1,133.93	14.80

23 05 23 00-0354 Iron Body, Flanged, 125 LB Vertical Lift Check Valves *(23 05 23 00-0338)*

Note: Mueller 105MAP.

23 05 23 00-0355	EA	2" Lift Check Valve, Iron Body, Flanged, 125 LB	461.89	108.37
23 05 23 00-0356	EA	2-1/2" Lift Check Valve, Iron Body, Flanged, 125 LB	639.65	108.51
23 05 23 00-0357	EA	3" Lift Check Valve, Iron Body, Flanged, 125 LB	702.22	127.22
23 05 23 00-0358	EA	4" Lift Check Valve, Iron Body, Flanged, 125 LB	996.96	213.28
23 05 23 00-0359	EA	5" Lift Check Valve, Iron Body, Flanged, 125 LB	1,268.70	263.07
23 05 23 00-0360	EA	6" Lift Check Valve, Iron Body, Flanged, 125 LB	1,541.29	292.31
23 05 23 00-0361	EA	8" Lift Check Valve, Iron Body, Flanged, 125 LB	2,569.83	336.16
23 05 23 00-0362	EA	10" Lift Check Valve, Iron Body, Flanged, 125 LB	3,221.34	409.24
23 05 23 00-0363	EA	12" Lift Check Valve, Iron Body, Flanged, 125 LB	5,128.39	496.93
23 05 23 00-0364	EA	14" Lift Check Valve, Iron Body, Flanged, 125 LB	6,953.39	608.21
23 05 23 00-0365	EA	16" Lift Check Valve, Iron Body, Flanged, 125 LB	7,702.50	713.63

23 05 23 00-0366 Bronze Body Swing Check Valves *(23 05 23 00-0314)*

23 05 23 00-0367 Bronze Body, Threaded, Brazed Or Soldered Installation, 125 LB, Swing Check Valves *(23 05 23 00-0366)*

23 05 23 00-0368	EA	1/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	42.50	8.12
		For 300 LB Rating, Add	*6.35*	
		For Work In Restricted Working Space, Add	*7.87*	
23 05 23 00-0369	EA	1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	39.94	8.12
		For 300 LB Rating, Add	*6.35*	
		For Work In Restricted Working Space, Add	*7.10*	
23 05 23 00-0370	EA	3/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	41.19	8.12
		For 300 LB Rating, Add	*6.35*	
		For Work In Restricted Working Space, Add	*7.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0371	EA	1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	43.14	8.12
		For 300 LB Rating, Add	*6.59*	
		For Work In Restricted Working Space, Add	*7.87*	
23 05 23 00-0372	EA	3/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	55.84	8.54
		For 300 LB Rating, Add	*7.99*	
		For Work In Restricted Working Space, Add	*10.61*	
23 05 23 00-0373	EA	1" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	70.61	8.54
		For 300 LB Rating, Add	*10.85*	
		For Work In Restricted Working Space, Add	*12.84*	
23 05 23 00-0374	EA	1-1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	93.26	10.81
		For 300 LB Rating, Add	*15.23*	
		For Work In Restricted Working Space, Add	*16.26*	
23 05 23 00-0375	EA	1-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	117.22	12.52
		For 300 LB Rating, Add	*21.33*	
		For Work In Restricted Working Space, Add	*18.76*	
23 05 23 00-0376	EA	2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	144.23	14.80
		For 300 LB Rating, Add	*27.42*	
		For Work In Restricted Working Space, Add	*22.17*	
23 05 23 00-0377	EA	2-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	261.43	19.98
		For 300 LB Rating, Add	*63.04*	
		For Work In Restricted Working Space, Add	*29.93*	
23 05 23 00-0378	EA	3" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	345.03	23.20
		For 300 LB Rating, Add	*89.66*	
		For Work In Restricted Working Space, Add	*34.54*	
23 05 23 00-0379	EA	4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	391.12	26.19
		For 300 LB Rating, Add	*101.46*	
		For Work In Restricted Working Space, Add	*39.29*	

23 05 23 00-0380 Iron Body, Bronze Trim, Flanged, 125 LB, Swing Check Valves *(23 05 23 00-0314)*

23 05 23 00-0381	EA	1" Swing Check Valve, Iron Body, Bronze Trim, Flanged, 125 LB	220.27	60.97
		For 150 LB Rating, Add	*97.63*	
		For 250 LB Rating, Add	*186.64*	
		For Work In Restricted Working Space, Add	*23.01*	
23 05 23 00-0382	EA	1-1/4" Swing Check Valve, Iron Body, Bronze Trim, Flanged, 125 LB	246.54	71.13
		For 150 LB Rating, Add	*107.56*	
		For 250 LB Rating, Add	*205.62*	
		For Work In Restricted Working Space, Add	*26.51*	
23 05 23 00-0383	EA	1-1/2" Swing Check Valve, Iron Body, Bronze Trim, Flanged, 125 LB	278.52	85.36
		For 150 LB Rating, Add	*116.65*	
		For 250 LB Rating, Add	*223.02*	
		For Work In Restricted Working Space, Add	*32.09*	
23 05 23 00-0384	EA	2" Swing Check Valve, Iron Body, Bronze Trim, Flanged, 125 LB	348.56	108.37
		For 150 LB Rating, Add	*144.89*	
		For 250 LB Rating, Add	*276.99*	
		For Work In Restricted Working Space, Add	*40.65*	
23 05 23 00-0385	EA	2-1/2" Swing Check Valve, Iron Body, Bronze Trim, Flanged, 125 LB	384.72	108.51
		For 150 LB Rating, Add	*169.09*	
		For 250 LB Rating, Add	*323.26*	
		For Work In Restricted Working Space, Add	*40.82*	
23 05 23 00-0386	EA	3" Swing Check Valve, Iron Body, Bronze Trim, Flanged, 125 LB	429.45	127.22
		For 150 LB Rating, Add	*183.75*	
		For 250 LB Rating, Add	*351.29*	
		For Work In Restricted Working Space, Add	*47.77*	
23 05 23 00-0387	EA	4" Swing Check Valve, Iron Body, Bronze Trim, Flanged, 125 LB	684.88	213.28
		For 150 LB Rating, Add	*283.97*	
		For 250 LB Rating, Add	*542.89*	
		For Work In Restricted Working Space, Add	*80.18*	
23 05 23 00-0388	EA	5" Swing Check Valve, Iron Body, Bronze Trim, Flanged, 125 LB	943.17	263.07
		For 150 LB Rating, Add	*416.94*	
		For 250 LB Rating, Add	*797.08*	
		For Work In Restricted Working Space, Add	*99.01*	
23 05 23 00-0389	EA	6" Swing Check Valve, Iron Body, Bronze Trim, Flanged, 125 LB	1,076.30	292.31
		For 150 LB Rating, Add	*483.42*	
		For 250 LB Rating, Add	*924.18*	
		For Work In Restricted Working Space, Add	*109.62*	
23 05 23 00-0390	EA	8" Swing Check Valve, Iron Body, Bronze Trim, Flanged, 125 LB	2,192.45	336.16
		For 150 LB Rating, Add	*1,206.91*	
		For 250 LB Rating, Add	*2,307.33*	
		For Work In Restricted Working Space, Add	*125.27*	
23 05 23 00-0391	EA	10" Swing Check Valve, Iron Body, Bronze Trim, Flanged, 125 LB	2,927.51	409.24
		For 150 LB Rating, Add	*1,642.86*	
		For 250 LB Rating, Add	*3,140.76*	
		For Work In Restricted Working Space, Add	*153.46*	
23 05 23 00-0392	EA	12" Swing Check Valve, Iron Body, Bronze Trim, Flanged, 125 LB	4,387.65	496.93
		For 150 LB Rating, Add	*2,561.97*	
		For 250 LB Rating, Add	*4,897.88*	
		For Work In Restricted Working Space, Add	*186.02*	
23 05 23 00-0393	EA	14" Swing Check Valve, Iron Body, Bronze Trim, Flanged, 125 LB	5,076.37	608.21
		For 150 LB Rating, Add	*2,900.49*	
		For 250 LB Rating, Add	*5,545.06*	
		For Work In Restricted Working Space, Add	*243.28*	
23 05 23 00-0394	EA	16" Swing Check Valve, Iron Body, Bronze Trim, Flanged, 125 LB	7,104.60	713.63
		For 150 LB Rating, Add	*4,224.55*	
		For 250 LB Rating, Add	*8,076.34*	
		For Work In Restricted Working Space, Add	*267.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0395	EA	18" Swing Check Valve, Iron Body, Bronze Trim, Flanged, 125 LB	10,755.57	794.72
		For 150 LB Rating, Add	*6,639.81*	
		For 250 LB Rating, Add	*12,693.75*	
		For Work In Restricted Working Space, Add	*297.35*	
23 05 23 00-0396	EA	20" Swing Check Valve, Iron Body, Bronze Trim, Flanged, 125 LB	14,705.47	892.03
		For 150 LB Rating, Add	*9,241.49*	
		For 250 LB Rating, Add	*17,667.56*	
		For Work In Restricted Working Space, Add	*334.51*	
23 05 23 00-0397	EA	24" Swing Check Valve, Iron Body, Bronze Trim, Flanged, 125 LB	20,398.11	1,094.77
		For 150 LB Rating, Add	*12,937.51*	
		For 250 LB Rating, Add	*24,733.48*	
		For Work In Restricted Working Space, Add	*411.71*	

23 05 23 00-0398 Forged Steel, Screwed, Chrome Trim, Bolted Bonnet, Piston Check, Swing Check Valves *(23 05 23 00-0314)*

Note: 800 PSIG at 850 Degrees F.

23 05 23 00-0399	EA	1/2" Swing Check Valve, Forged Steel, Screwed	82.59	8.12
		For Work In Restricted Working Space, Add	*7.87*	
23 05 23 00-0400	EA	3/4" Swing Check Valve, Forged Steel, Screwed	99.34	8.94
		For Work In Restricted Working Space, Add	*10.61*	
23 05 23 00-0401	EA	1" Swing Check Valve, Forged Steel, Screwed	117.93	10.16
		For Work In Restricted Working Space, Add	*12.84*	
23 05 23 00-0402	EA	1-1/4" Swing Check Valve, Forged Steel, Screwed	177.09	10.81
		For Work In Restricted Working Space, Add	*16.26*	
23 05 23 00-0403	EA	1-1/2" Swing Check Valve, Forged Steel, Screwed	209.29	12.52
		For Work In Restricted Working Space, Add	*18.76*	
23 05 23 00-0404	EA	2" Swing Check Valve, Forged Steel, Screwed	278.20	14.80
		For Work In Restricted Working Space, Add	*22.17*	

23 05 23 00-0405 Swing Check Valves, 150 LB Polyvinyl Chloride (PVC) Socket Weld End Connections *(23 05 23 00-0314)*

23 05 23 00-0406	EA	1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB	38.72	8.12
		For Work In Restricted Working Space, Add	*7.87*	
23 05 23 00-0407	EA	3/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB	47.84	8.94
		For Work In Restricted Working Space, Add	*10.61*	
23 05 23 00-0408	EA	1" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB	55.77	10.16
		For Work In Restricted Working Space, Add	*12.84*	
23 05 23 00-0409	EA	1-1/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB	67.72	10.81
		For Work In Restricted Working Space, Add	*16.26*	
23 05 23 00-0410	EA	1-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB	76.83	12.52
		For Work In Restricted Working Space, Add	*18.76*	
23 05 23 00-0411	EA	2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB	96.14	14.80
		For Work In Restricted Working Space, Add	*22.17*	
23 05 23 00-0412	EA	2-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB	131.43	19.98
		For Work In Restricted Working Space, Add	*29.93*	
23 05 23 00-0413	EA	3" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB	156.20	23.20
		For Work In Restricted Working Space, Add	*34.54*	

23 05 23 00-0414 Cast Iron Valves *(23 05 23)*

23 05 23 00-0415 Polytetrafluoroethylene (PTFE) Or Viton Lined, Threaded Cast Iron Valves *(23 05 23 00-0414)*

23 05 23 00-0416	EA	1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	126.83	24.33
23 05 23 00-0417	EA	3/4" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	158.85	26.94
23 05 23 00-0418	EA	1" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	175.85	33.30
23 05 23 00-0419	EA	1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	276.58	49.77
23 05 23 00-0420	EA	2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	427.29	59.87

23 05 23 00-0421 Polytetrafluoroethylene (PTFE) Or Viton Lined, Flanged Cast Iron Valves *(23 05 23 00-0414)*

23 05 23 00-0422	EA	1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	157.62	36.59
23 05 23 00-0423	EA	3/4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	181.91	40.64
23 05 23 00-0424	EA	1" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	218.62	60.97
23 05 23 00-0425	EA	1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	327.72	85.36
23 05 23 00-0426	EA	2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	509.43	108.37
23 05 23 00-0427	EA	2-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	637.85	108.51
23 05 23 00-0428	EA	3" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	788.84	127.22

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0429	EA	4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	1,131.58	213.28
23 05 23 00-0430	EA	6" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	2,301.76	292.31
23 05 23 00-0431	EA	8" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	3,488.18	336.16
23 05 23 00-0432		Ethylene Propylene Diene Monomer (EPDM) Lined, Threaded Cast Iron Valves *(23 05 23 00-0414)*		
23 05 23 00-0433	EA	1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	86.11	24.33
23 05 23 00-0434	EA	3/4" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	108.48	26.94
23 05 23 00-0435	EA	1" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	125.48	33.30
23 05 23 00-0436	EA	1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	207.98	49.77
23 05 23 00-0437	EA	2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	267.59	59.87
23 05 23 00-0438		Ethylene Propylene Diene Monomer (EPDM) Lined, Flanged Cast Iron Valves *(23 05 23 00-0414)*		
23 05 23 00-0439	EA	1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	114.80	36.59
23 05 23 00-0440	EA	3/4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	128.99	40.64
23 05 23 00-0441	EA	1" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	165.68	60.97
23 05 23 00-0442	EA	1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	255.65	85.36
23 05 23 00-0443	EA	2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	341.60	108.37
23 05 23 00-0444	EA	2-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	404.79	108.51
23 05 23 00-0445	EA	3" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	490.37	127.22
23 05 23 00-0446	EA	4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	779.75	213.28
23 05 23 00-0447	EA	6" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	1,513.53	292.31
23 05 23 00-0448	EA	8" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	2,237.98	336.16
23 05 23 00-0449		125 LB, Flanged Cast Iron Diaphragm Valves, Hand Wheel Operated *(23 05 23 00-0414)*		
23 05 23 00-0450	EA	1" Diaphragm Valve, Cast Iron, 125 LB, Flanged	202.67	60.97
23 05 23 00-0451	EA	1-1/2" Diaphragm Valve, Cast Iron, 125 LB, Flanged	321.87	85.36
23 05 23 00-0452	EA	2" Diaphragm Valve, Cast Iron, 125 LB, Flanged	430.04	108.37
23 05 23 00-0453	EA	2-1/2" Diaphragm Valve, Cast Iron, 125 LB, Flanged	595.48	108.51
23 05 23 00-0454	EA	3" Diaphragm Valve, Cast Iron, 125 LB, Flanged	661.25	127.22
23 05 23 00-0455	EA	4" Diaphragm Valve, Cast Iron, 125 LB, Flanged	1,043.47	213.28
23 05 23 00-0456	EA	6" Diaphragm Valve, Cast Iron, 125 LB, Flanged	2,051.15	292.31
23 05 23 00-0457	EA	8" Diaphragm Valve, Cast Iron, 125 LB, Flanged	4,089.20	336.16
23 05 23 00-0458		Solenoid Valves *(23 05 23)*		
23 05 23 00-0459		Bronze Body Solenoid Valves, 150 PSI Maximum Water Pressure *(23 05 23 00-0458)*		
23 05 23 00-0460	EA	1/4" Solenoid Valve, Bronze, 150 PSI, Water	61.89	8.12
23 05 23 00-0461	EA	1/2" Solenoid Valve, Bronze, 150 PSI, Water	71.30	8.12
23 05 23 00-0462	EA	3/4" Solenoid Valve, Bronze, 150 PSI, Water	92.03	8.94
23 05 23 00-0463	EA	1" Solenoid Valve, Bronze, 150 PSI, Water	131.56	10.16
23 05 23 00-0464	EA	1-1/2" Solenoid Valve, Bronze, 150 PSI, Water	226.41	12.52
23 05 23 00-0465	EA	2" Solenoid Valve, Bronze, 150 PSI, Water	344.10	14.80
23 05 23 00-0466	EA	2-1/2" Solenoid Valve, Bronze, 150 PSI, Water	468.28	19.98
23 05 23 00-0467	EA	3" Solenoid Valve, Bronze, 150 PSI, Water	666.45	23.20
23 05 23 00-0468		Flow Control Valves And Meters *(23 05 23)*		
23 05 23 00-0469		Conditioned Water Balancing Valves *(23 05 23 00-0468)* Note: Working pressures up to 300 PSIG. Iron and bronze body construction (combination balancing, flow measuring and shut-off). Excludes portable read-out meter.		
23 05 23 00-0470	EA	1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	88.38	41.48
23 05 23 00-0471	EA	3/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	108.96	55.30
23 05 23 00-0472	EA	1" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	160.43	63.19
23 05 23 00-0473	EA	1-1/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	207.61	78.08
23 05 23 00-0474	EA	1-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	236.74	82.95
23 05 23 00-0475	EA	2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	311.09	94.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0476	EA	2-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	584.15	165.03
23 05 23 00-0477	EA	3" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	796.88	188.61
23 05 23 00-0478	EA	3" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,093.85	220.14
23 05 23 00-0479	EA	4" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,242.80	228.00
23 05 23 00-0480	EA	6" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,392.09	235.86
23 05 23 00-0481	EA	8" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	2,312.80	269.55
23 05 23 00-0482	EA	10" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	3,898.08	299.50

23 05 23 00-0483 Read Out Meters *(23 05 23 00-0468)*

Note: For use with conditioned portable water balancing valves.

23 05 23 00-0484	EA	0.5 - 25% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	502.11	
23 05 23 00-0485	EA	0.5 - 50% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	679.50	
23 05 23 00-0486	EA	0.5 - 75% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	679.50	
23 05 23 00-0487	EA	0.5 - 100% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	679.50	

23 05 23 00-0488 Balancing Valves *(23 05 23)*

23 05 23 00-0489 Balancing Valves With Lever *(23 05 23 00-0488)*

Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.

23 05 23 00-0490	EA	1/2" Threaded Balancing Valve With Lever	144.77	25.62
23 05 23 00-0491	EA	3/4" Threaded Balancing Valve With Lever	164.12	33.75
23 05 23 00-0492	EA	1" Threaded Balancing Valve With Lever	176.18	38.63
23 05 23 00-0493	EA	1-1/4" Threaded Balancing Valve With Lever	202.82	47.98
23 05 23 00-0494	EA	1-1/2" Threaded Balancing Valve With Lever	217.28	50.83
23 05 23 00-0495	EA	2" Threaded Balancing Valve With Lever	241.44	58.15
23 05 23 00-0496	EA	2-1/2" Flanged Balancing Valve With Lever	449.19	102.96
23 05 23 00-0497	EA	3" Flanged Balancing Valve With Lever	549.15	137.40
23 05 23 00-0498	EA	4" Flanged Balancing Valve With Lever	716.90	159.11
23 05 23 00-0499	EA	5" Flanged Balancing Valve With Lever	1,047.63	187.19
23 05 23 00-0500	EA	6" Flanged Balancing Valve With Lever	1,100.42	213.77
23 05 23 00-0501	EA	8" Flanged Balancing Valve With Lever	1,413.81	239.61

23 05 23 00-0502 Balancing Valves With Nut *(23 05 23 00-0488)*

Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.

23 05 23 00-0503	EA	4" Flanged Balancing Valve With Nut	685.59	159.11
23 05 23 00-0504	EA	5" Flanged Balancing Valve With Nut	1,007.88	187.19
23 05 23 00-0505	EA	6" Flanged Balancing Valve With Nut	1,060.67	213.77
23 05 23 00-0506	EA	8" Flanged Balancing Valve With Nut	1,358.41	239.61

23 05 23 00-0507 Balancing Valves With Hand Wheel *(23 05 23 00-0488)*

Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.

23 05 23 00-0508	EA	4" Flanged Balancing Valve With Hand Wheel	920.44	159.11
23 05 23 00-0509	EA	5" Flanged Balancing Valve With Hand Wheel	1,307.59	213.77
23 05 23 00-0510	EA	6" Flanged Balancing Valve With Hand Wheel	1,254.78	187.19
23 05 23 00-0511	EA	8" Flanged Balancing Valve With Hand Wheel	1,576.17	213.77
23 05 23 00-0512	EA	10" Flanged Balancing Valve With Hand Wheel	2,323.01	261.84
23 05 23 00-0513	EA	12" Flanged Balancing Valve With Hand Wheel	3,028.21	336.26
23 05 23 00-0514	EA	14" Flanged Balancing Valve With Hand Wheel	3,977.69	348.54

23 05 23 00-0515 Balancing Valves With Chain Wheel *(23 05 23 00-0488)*

Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.

23 05 23 00-0516	EA	4" Flanged Balancing Valve With Chain Wheel	1,048.10	159.11
23 05 23 00-0517	EA	5" Flanged Balancing Valve With Chain Wheel	1,436.46	213.77
23 05 23 00-0518	EA	6" Flanged Balancing Valve With Chain Wheel	1,383.65	187.19
23 05 23 00-0519	EA	8" Flanged Balancing Valve With Chain Wheel	1,703.83	213.77
23 05 23 00-0520	EA	10" Flanged Balancing Valve With Chain Wheel	2,452.15	261.69
23 05 23 00-0521	EA	12" Flanged Balancing Valve With Chain Wheel	3,186.19	336.02
23 05 23 00-0522	EA	14" Flanged Balancing Valve With Chain Wheel	4,133.59	348.70

23 05 23 00-0523 Calibrated Balancing Valves *(23 05 23 00-0488)*

Note: Bell & Gossett CB Series.

23 05 23 00-0524	EA	1/2" Brazed Or Soldered Calibrated Balancing Valve (CB-1/2S)	80.62	8.13
23 05 23 00-0525	EA	3/4" Brazed Or Soldered Calibrated Balancing Valve (CB-3/4S)	95.18	8.94
23 05 23 00-0526	EA	1" Brazed Or Soldered Calibrated Balancing Valve (CB-1S)	116.22	10.16
23 05 23 00-0527	EA	1-1/4" Brazed Or Soldered Calibrated Balancing Valve (CB-1-1/4S)	156.18	10.82
23 05 23 00-0528	EA	1" Threaded Calibrated Balancing Valve (CB-1)	123.70	10.16
23 05 23 00-0529	EA	1-1/4" Threaded Calibrated Balancing Valve (CB-1-1/4)	169.10	10.82
23 05 23 00-0530	EA	1-1/2" Threaded Calibrated Balancing Valve (CB-1-1/2)	196.47	12.53
23 05 23 00-0531	EA	2" Threaded Calibrated Balancing Valve (CB-2)	264.27	14.81
23 05 23 00-0532	EA	2-1/2" Threaded Calibrated Balancing Valve (CB-2-1/2)	489.07	21.72
23 05 23 00-0533	EA	3" Threaded Calibrated Balancing Valve (CB-3)	685.88	25.21
23 05 23 00-0534	EA	2-1/2" Flanged Calibrated Balancing Valve (CB-2-1/2F)	650.89	117.92

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0535	EA	3" Flanged Calibrated Balancing Valve (CB-3F)	937.76	138.26
23 05 23 00-0536	EA	4" Flanged Calibrated Balancing Valve (CB-4F)	1,433.52	231.79
23 05 23 00-0537	EA	5" Flanged Calibrated Balancing Valve (CB-5F)	2,144.82	292.78
23 05 23 00-0538	EA	6" Flanged Calibrated Balancing Valve (CB-6F)	2,802.77	325.31
23 05 23 00-0539	EA	8" Flanged Calibrated Balancing Valve (CB-8F)	4,968.07	374.11
23 05 23 00-0540	EA	10" Flanged Calibrated Balancing Valve (CB-10F)	6,890.98	443.79
23 05 23 00-0541	EA	12" Flanged Calibrated Balancing Valve (CB-12F)	14,449.80	538.90
23 05 23 00-0542	EA	4" Grooved Calibrated Balancing Valve (CB-4G)	1,707.68	27.99
23 05 23 00-0543	EA	5" Grooved Calibrated Balancing Valve (CB-5G)	1,972.44	37.27
23 05 23 00-0544	EA	6" Grooved Calibrated Balancing Valve (CB-6G)	2,620.69	47.79
23 05 23 00-0545	EA	8" Grooved Calibrated Balancing Valve (CB-8G)	4,896.46	60.65
23 05 23 00-0546	EA	10" Grooved Calibrated Balancing Valve (CB-10G)	6,578.07	67.96
23 05 23 00-0547	EA	12" Grooved Calibrated Balancing Valve (CB-12G)	13,526.51	82.87

23 05 23 00-0548 Butterfly Valves *(23 05 23)*

23 05 23 00-0549 Cast Iron Body, Iron Disc, Butterfly Valves *(23 05 23 00-0548)*

Note: With on-off handle, 150 PSI wafer type.

23 05 23 00-0550	EA	2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	218.35	108.37
		For 200 PSI, Add	*39.77*	
		For 175 PSI, Add	*14.50*	
		For Work In Restricted Working Space, Add	*40.65*	
23 05 23 00-0551	EA	2-1/2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	223.74	108.51
		For 200 PSI, Add	*42.09*	
		For 175 PSI, Add	*15.34*	
		For Work In Restricted Working Space, Add	*40.82*	
23 05 23 00-0552	EA	3" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	253.65	127.22
		For 200 PSI, Add	*45.32*	
		For 175 PSI, Add	*16.52*	
		For Work In Restricted Working Space, Add	*47.77*	
23 05 23 00-0553	EA	4" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	385.78	213.28
		For 200 PSI, Add	*56.88*	
		For 175 PSI, Add	*20.74*	
		For Work In Restricted Working Space, Add	*80.18*	
23 05 23 00-0554	EA	5" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	498.64	263.07
		For 200 PSI, Add	*80.93*	
		For 175 PSI, Add	*29.51*	
		For Work In Restricted Working Space, Add	*99.01*	
23 05 23 00-0555	EA	6" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	571.58	292.31
		For 200 PSI, Add	*98.97*	
		For 175 PSI, Add	*36.08*	
		For Work In Restricted Working Space, Add	*109.62*	
23 05 23 00-0556	EA	8" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	727.83	336.16
		For 200 PSI, Add	*148.92*	
		For 175 PSI, Add	*54.29*	
		For Work In Restricted Working Space, Add	*125.27*	
23 05 23 00-0557	EA	10" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	1,112.77	409.24
		For 200 PSI, Add	*288.59*	
		For 175 PSI, Add	*105.22*	
		For Work In Restricted Working Space, Add	*153.46*	
23 05 23 00-0558	EA	12" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	1,386.04	496.93
		For 200 PSI, Add	*367.68*	
		For 175 PSI, Add	*134.05*	
		For Work In Restricted Working Space, Add	*186.02*	

23 05 23 00-0559 Cast Iron Body, Bronze Disc, Gear Operated, 200 LB, Butterfly Valves *(23 05 23 00-0548)*

23 05 23 00-0560	EA	2" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	362.88	108.37
		For Work In Restricted Working Space, Add	*40.65*	
23 05 23 00-0561	EA	2-1/2" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	365.37	108.51
		For Work In Restricted Working Space, Add	*40.82*	
23 05 23 00-0562	EA	3" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	400.11	127.22
		For Work In Restricted Working Space, Add	*47.77*	
23 05 23 00-0563	EA	4" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	538.98	213.28
		For Work In Restricted Working Space, Add	*80.18*	
23 05 23 00-0564	EA	5" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	668.22	263.07
		For Work In Restricted Working Space, Add	*99.01*	
23 05 23 00-0565	EA	6" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	740.14	292.31
		For Work In Restricted Working Space, Add	*109.62*	
23 05 23 00-0566	EA	8" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	903.19	336.16
		For Work In Restricted Working Space, Add	*125.27*	
23 05 23 00-0567	EA	10" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	1,138.78	409.24
		For Work In Restricted Working Space, Add	*153.46*	
23 05 23 00-0568	EA	12" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	1,531.52	496.93
		For Work In Restricted Working Space, Add	*186.02*	

23 05 23 00-0569 Cast Iron Body, Bronze Disc, Gear Operated, 150 LB, Butterfly Valves *(23 05 23 00-0548)*

23 05 23 00-0570	EA	14" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	2,438.03	608.21
		For 200 PSI, Add	*585.75*	
		For 175 PSI, Add	*203.39*	
		For Work In Restricted Working Space, Add	*243.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0571	EA	16" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	3,078.00	713.63
		For 200 PSI, Add	*786.95*	
		For 175 PSI, Add	*273.25*	
		For Work In Restricted Working Space, Add	*267.61*	
23 05 23 00-0572	EA	18" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	4,238.96	794.72
		For 200 PSI, Add	*1,169.21*	
		For 175 PSI, Add	*405.98*	
		For Work In Restricted Working Space, Add	*297.35*	
23 05 23 00-0573	EA	20" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	5,410.66	892.03
		For 200 PSI, Add	*1,546.42*	
		For 175 PSI, Add	*536.95*	
		For Work In Restricted Working Space, Add	*334.51*	
23 05 23 00-0574	EA	24" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	7,237.69	1,094.77
		For 200 PSI, Add	*2,111.52*	
		For 175 PSI, Add	*733.17*	
		For Work In Restricted Working Space, Add	*411.71*	
23 05 23 00-0575	EA	30" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	14,944.23	1,849.43
		For 200 PSI, Add	*4,532.55*	
		For 175 PSI, Add	*1,573.80*	
		For Work In Restricted Working Space, Add	*706.15*	
23 05 23 00-0576	EA	36" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	18,939.24	2,521.96
		For 200 PSI, Add	*5,758.91*	
		For 175 PSI, Add	*1,999.62*	
		For Work In Restricted Working Space, Add	*882.68*	
23 05 23 00-0577	EA	42" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	23,197.06	3,698.87
		For 200 PSI, Add	*6,721.37*	
		For 175 PSI, Add	*2,333.81*	
		For Work In Restricted Working Space, Add	*1,357.98*	
23 05 23 00-0578	EA	48" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	28,281.01	4,623.58
		For 200 PSI, Add	*8,062.72*	
		For 175 PSI, Add	*2,799.56*	
		For Work In Restricted Working Space, Add	*1,765.37*	
23 05 23 00-0579	EA	54" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	34,213.37	5,548.30
		For 200 PSI, Add	*9,668.76*	
		For 175 PSI, Add	*3,357.21*	
		For Work In Restricted Working Space, Add	*2,206.71*	
23 05 23 00-0580		Bronze Body, Stainless Steel Disc, Slow Close Butterfly Valves, 175 LB *(23 05 23 00-0548)*		
		Note: (Milwaukee Valve Company BB-SC 100)		
23 05 23 00-0581	EA	1" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close, 175 LB	208.77	10.16
		For Work In Restricted Working Space, Add	*12.84*	
23 05 23 00-0582	EA	1-1/4" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close, 175 LB	230.67	10.81
		For Work In Restricted Working Space, Add	*16.26*	
23 05 23 00-0583	EA	1-1/2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close, 175 LB	286.97	12.52
		For Work In Restricted Working Space, Add	*18.76*	
23 05 23 00-0584	EA	2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close, 175 LB	357.92	14.80
		For Work In Restricted Working Space, Add	*22.17*	
23 05 23 00-0585	EA	2-1/2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close, 175 LB	480.56	19.98
		For Work In Restricted Working Space, Add	*29.93*	
23 05 23 00-0586		Bronze Body, Stainless Steel Disc, Slow Close Butterfly Valves, With Tamper Switch, 175 LB *(23 05 23 00-0548)*		
		Note: (Milwaukee Valve Company BB-S02)		
23 05 23 00-0587	EA	1" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 LB	305.39	10.16
		For Work In Restricted Working Space, Add	*12.84*	
23 05 23 00-0588	EA	1-1/4" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 LB	333.51	10.81
		For Work In Restricted Working Space, Add	*16.26*	
23 05 23 00-0589	EA	1-1/2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 LB	398.02	12.52
		For Work In Restricted Working Space, Add	*18.76*	
23 05 23 00-0590	EA	2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 LB	476.20	14.80
		For Work In Restricted Working Space, Add	*22.17*	
23 05 23 00-0591	EA	2-1/2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 LB	611.37	19.98
		For Work In Restricted Working Space, Add	*29.93*	
23 05 29		Hangers And Supports For HVAC Piping And Equipment *(23 05)*		
23 05 29 00-0001		Hangers And Supports *(23 05 29)*		
23 05 29 00-0002		Clevis Hangers *(23 05 29 00-0001)*		
23 05 29 00-0003		Steel Clevis Hanger (Cooper B-Line B3100) *(23 05 29 00-0002)*		
		Note: Type 1.		
23 05 29 00-0004	EA	1/2" Steel Clevis Hanger (Cooper B-Line B3100)	15.04	6.74
		For Work In Restricted Working Space, Add	*4.04*	
23 05 29 00-0005	EA	3/4" Steel Clevis Hanger (Cooper B-Line B3100)	16.54	7.48
		For Work In Restricted Working Space, Add	*4.49*	
23 05 29 00-0006	EA	1" Steel Clevis Hanger (Cooper B-Line B3100)	17.38	7.48
		For Work In Restricted Working Space, Add	*4.73*	
23 05 29 00-0007	EA	1-1/4" Steel Clevis Hanger (Cooper B-Line B3100)	18.07	8.10
		For Work In Restricted Working Space, Add	*4.86*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0008	EA	1-1/2" Steel Clevis Hanger (Cooper B-Line B3100)	18.27	8.10
		For Work In Restricted Working Space, Add	*4.86*	
23 05 29 00-0009	EA	2" Steel Clevis Hanger (Cooper B-Line B3100)	19.11	8.23
		For Work In Restricted Working Space, Add	*4.99*	
23 05 29 00-0010	EA	2-1/2" Steel Clevis Hanger (Cooper B-Line B3100)	21.13	8.53
		For Work In Restricted Working Space, Add	*5.13*	
23 05 29 00-0011	EA	3" Steel Clevis Hanger (Cooper B-Line B3100)	22.67	8.98
		For Work In Restricted Working Space, Add	*5.28*	
23 05 29 00-0012	EA	3-1/2" Steel Clevis Hanger (Cooper B-Line B3100)	23.64	9.86
		For Work In Restricted Working Space, Add	*5.64*	
23 05 29 00-0013	EA	4" Steel Clevis Hanger (Cooper B-Line B3100)	26.04	10.48
		For Work In Restricted Working Space, Add	*5.99*	
23 05 29 00-0014	EA	5" Steel Clevis Hanger (Cooper B-Line B3100)	33.50	12.53
		For Work In Restricted Working Space, Add	*7.52*	
23 05 29 00-0015	EA	6" Steel Clevis Hanger (Cooper B-Line B3100)	40.35	14.97
		For Work In Restricted Working Space, Add	*8.98*	
23 05 29 00-0016	EA	8" Steel Clevis Hanger (Cooper B-Line B3100)	54.66	18.71
		For Work In Restricted Working Space, Add	*11.23*	
23 05 29 00-0017	EA	10" Steel Clevis Hanger (Cooper B-Line B3100)	80.62	25.44
		For Work In Restricted Working Space, Add	*14.97*	
23 05 29 00-0018	EA	12" Steel Clevis Hanger (Cooper B-Line B3100)	94.85	28.06
		For Work In Restricted Working Space, Add	*16.84*	
23 05 29 00-0019	EA	14" Steel Clevis Hanger (Cooper B-Line B3100)	118.89	31.43
		For Work In Restricted Working Space, Add	*19.31*	
23 05 29 00-0020	EA	16" Steel Clevis Hanger (Cooper B-Line B3100)	148.87	37.42
		For Work In Restricted Working Space, Add	*22.45*	
23 05 29 00-0021	EA	18" Steel Clevis Hanger (Cooper B-Line B3100)	185.50	46.77
		For Work In Restricted Working Space, Add	*28.07*	
23 05 29 00-0022	EA	20" Steel Clevis Hanger (Cooper B-Line B3100)	305.47	56.13
		For Work In Restricted Working Space, Add	*33.68*	
23 05 29 00-0023	EA	24" Steel Clevis Hanger (Cooper B-Line B3100)	472.27	65.48
		For Work In Restricted Working Space, Add	*39.29*	

23 05 29 00-0024 Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) *(23 05 29 00-0002)*

23 05 29 00-0025	EA	1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	19.21	6.74
		For Work In Restricted Working Space, Add	*4.04*	
23 05 29 00-0026	EA	3/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	20.71	7.48
		For Work In Restricted Working Space, Add	*4.49*	
23 05 29 00-0027	EA	1" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	21.64	7.48
		For Work In Restricted Working Space, Add	*4.73*	
23 05 29 00-0028	EA	1-1/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	22.41	8.10
		For Work In Restricted Working Space, Add	*4.86*	
23 05 29 00-0029	EA	1-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	22.94	8.10
		For Work In Restricted Working Space, Add	*4.86*	
23 05 29 00-0030	EA	2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	23.52	8.23
		For Work In Restricted Working Space, Add	*4.99*	
23 05 29 00-0031	EA	2-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	26.51	8.53
		For Work In Restricted Working Space, Add	*5.13*	
23 05 29 00-0032	EA	3" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	27.87	8.98
		For Work In Restricted Working Space, Add	*5.28*	
23 05 29 00-0033	EA	3-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	31.22	10.48
		For Work In Restricted Working Space, Add	*5.99*	
23 05 29 00-0034	EA	4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	34.74	10.48
		For Work In Restricted Working Space, Add	*5.99*	
23 05 29 00-0035	EA	5" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	58.02	12.53
		For Work In Restricted Working Space, Add	*7.52*	
23 05 29 00-0036	EA	6" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	72.05	14.97
		For Work In Restricted Working Space, Add	*8.98*	
23 05 29 00-0037	EA	8" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	85.57	18.71
		For Work In Restricted Working Space, Add	*11.23*	

23 05 29 00-0038 Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) *(23 05 29 00-0002)*

23 05 29 00-0039	EA	1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	14.89	6.74
		For Work In Restricted Working Space, Add	*4.04*	
23 05 29 00-0040	EA	3/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	16.42	7.48
		For Work In Restricted Working Space, Add	*4.49*	
23 05 29 00-0041	EA	1" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	17.35	7.48
		For Work In Restricted Working Space, Add	*4.73*	
23 05 29 00-0042	EA	1-1/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	17.83	8.10
		For Work In Restricted Working Space, Add	*4.86*	
23 05 29 00-0043	EA	1-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	17.95	8.10
		For Work In Restricted Working Space, Add	*4.86*	
23 05 29 00-0044	EA	2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	18.46	8.23
		For Work In Restricted Working Space, Add	*4.99*	
23 05 29 00-0045	EA	2-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	20.28	8.53
		For Work In Restricted Working Space, Add	*5.13*	
23 05 29 00-0046	EA	3" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	21.22	8.98
		For Work In Restricted Working Space, Add	*5.28*	
23 05 29 00-0047	EA	3-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	23.89	10.48
		For Work In Restricted Working Space, Add	*5.99*	
23 05 29 00-0048	EA	4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	24.71	10.48
		For Work In Restricted Working Space, Add	*5.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0049		**Extended Steel Clevis Hanger (Cooper B-Line B3108)** *(23 05 29 00-0002)*		
23 05 29 00-0050	EA	3/4" Steel Extended Clevis Hanger (Cooper B-Line B3108)	21.63	7.48
		For Work In Restricted Working Space, Add	*4.49*	
23 05 29 00-0051	EA	1" Steel Extended Clevis Hanger (Cooper B-Line B3108)	22.47	7.48
		For Work In Restricted Working Space, Add	*4.73*	
23 05 29 00-0052	EA	1-1/4" Steel Extended Clevis Hanger (Cooper B-Line B3108)	22.92	8.10
		For Work In Restricted Working Space, Add	*4.86*	
23 05 29 00-0053	EA	1-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108)	23.74	8.10
		For Work In Restricted Working Space, Add	*4.86*	
23 05 29 00-0054	EA	2" Steel Extended Clevis Hanger (Cooper B-Line B3108)	25.56	8.23
		For Work In Restricted Working Space, Add	*4.99*	
23 05 29 00-0055	EA	2-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108)	27.49	8.53
		For Work In Restricted Working Space, Add	*5.13*	
23 05 29 00-0056	EA	3" Steel Extended Clevis Hanger (Cooper B-Line B3108)	28.91	8.98
		For Work In Restricted Working Space, Add	*5.28*	
23 05 29 00-0057	EA	4" Steel Extended Clevis Hanger (Cooper B-Line B3108)	34.86	10.48
		For Work In Restricted Working Space, Add	*5.99*	
23 05 29 00-0058	EA	5" Steel Extended Clevis Hanger (Cooper B-Line B3108)	44.00	12.53
		For Work In Restricted Working Space, Add	*7.52*	
23 05 29 00-0059	EA	6" Steel Extended Clevis Hanger (Cooper B-Line B3108)	54.43	14.97
		For Work In Restricted Working Space, Add	*8.98*	
23 05 29 00-0060	EA	8" Steel Extended Clevis Hanger (Cooper B-Line B3108)	77.76	18.71
		For Work In Restricted Working Space, Add	*11.23*	
23 05 29 00-0061	EA	10" Steel Extended Clevis Hanger (Cooper B-Line B3108)	109.55	25.44
		For Work In Restricted Working Space, Add	*14.97*	
23 05 29 00-0062	EA	12" Steel Extended Clevis Hanger (Cooper B-Line B3108)	123.03	28.06
		For Work In Restricted Working Space, Add	*16.84*	
23 05 29 00-0063		**Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)** *(23 05 29 00-0002)*		
23 05 29 00-0064	EA	2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	26.54	8.23
		For Work In Restricted Working Space, Add	*4.99*	
23 05 29 00-0065	EA	2-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	28.41	8.53
		For Work In Restricted Working Space, Add	*5.13*	
23 05 29 00-0066	EA	3" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	29.95	8.98
		For Work In Restricted Working Space, Add	*5.28*	
23 05 29 00-0067	EA	3-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	33.08	10.48
		For Work In Restricted Working Space, Add	*5.99*	
23 05 29 00-0068	EA	4" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	35.15	10.48
		For Work In Restricted Working Space, Add	*5.99*	
23 05 29 00-0069	EA	5" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	43.62	12.53
		For Work In Restricted Working Space, Add	*7.52*	
23 05 29 00-0070	EA	6" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	50.82	14.97
		For Work In Restricted Working Space, Add	*8.98*	
23 05 29 00-0071	EA	8" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	67.76	18.71
		For Work In Restricted Working Space, Add	*11.23*	
23 05 29 00-0072		**Adjustable Hangers** *(23 05 29 00-0001)*		
23 05 29 00-0073		**Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)** *(23 05 29 00-0072)* Note: Type 5.		
23 05 29 00-0074	EA	1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	13.84	5.92
		For Work In Restricted Working Space, Add	*3.55*	
23 05 29 00-0075	EA	3/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	15.14	6.57
		For Work In Restricted Working Space, Add	*3.94*	
23 05 29 00-0076	EA	1" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	16.57	7.29
		For Work In Restricted Working Space, Add	*4.37*	
23 05 29 00-0077	EA	1-1/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	18.28	8.10
		For Work In Restricted Working Space, Add	*4.86*	
23 05 29 00-0078	EA	1-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	19.20	8.51
		For Work In Restricted Working Space, Add	*5.10*	
23 05 29 00-0079	EA	2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	20.64	8.92
		For Work In Restricted Working Space, Add	*5.35*	
23 05 29 00-0080	EA	2-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	24.02	9.32
		For Work In Restricted Working Space, Add	*5.59*	
23 05 29 00-0081	EA	3" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	25.10	9.72
		For Work In Restricted Working Space, Add	*5.84*	
23 05 29 00-0082	EA	4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	30.10	10.94
		For Work In Restricted Working Space, Add	*6.56*	
23 05 29 00-0083		**Adjustable Swivel Steel Ring (Cooper B-Line B3170)** *(23 05 29 00-0072)* Note: Type 10.		
23 05 29 00-0084	EA	1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	15.89	7.48
		For Work In Restricted Working Space, Add	*4.49*	
23 05 29 00-0085	EA	3/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	16.76	7.48
		For Work In Restricted Working Space, Add	*4.73*	
23 05 29 00-0086	EA	1" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	17.64	8.23
		For Work In Restricted Working Space, Add	*4.99*	
23 05 29 00-0087	EA	1-1/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	18.73	8.98
		For Work In Restricted Working Space, Add	*5.28*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0088	EA	1-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	21.07	10.48
		For Work In Restricted Working Space, Add	*5.99*	
23 05 29 00-0089	EA	2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	22.56	10.48
		For Work In Restricted Working Space, Add	*6.41*	
23 05 29 00-0090	EA	2-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	24.95	11.22
		For Work In Restricted Working Space, Add	*6.91*	
23 05 29 00-0091	EA	3" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	26.96	12.72
		For Work In Restricted Working Space, Add	*7.49*	
23 05 29 00-0092	EA	3-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	30.01	13.66
		For Work In Restricted Working Space, Add	*8.20*	
		For 304 Stainless Steel, Add	*17.75*	
		For 316 Stainless Steel, Add	*22.87*	
23 05 29 00-0093	EA	4" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	32.63	14.97
		For Work In Restricted Working Space, Add	*8.98*	
23 05 29 00-0094	EA	5" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	39.26	16.84
		For Work In Restricted Working Space, Add	*10.10*	
		For 304 Stainless Steel, Add	*36.89*	
		For 316 Stainless Steel, Add	*47.52*	
23 05 29 00-0095	EA	6" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	43.10	18.71
		For Work In Restricted Working Space, Add	*11.23*	
		For 304 Stainless Steel, Add	*37.49*	
		For 316 Stainless Steel, Add	*48.28*	
23 05 29 00-0096	EA	8" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	51.64	22.45
		For Work In Restricted Working Space, Add	*13.47*	
		For 304 Stainless Steel, Add	*44.48*	
		For 316 Stainless Steel, Add	*57.29*	

23 05 29 00-0097 Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) *(23 05 29 00-0072)*

23 05 29 00-0098	EA	1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	16.34	7.48
		For Work In Restricted Working Space, Add	*4.49*	
		For 304 Stainless Steel, Add	*9.04*	
		For 316 Stainless Steel, Add	*11.65*	
23 05 29 00-0099	EA	3/4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	17.12	7.48
		For Work In Restricted Working Space, Add	*4.73*	
		For 304 Stainless Steel, Add	*9.04*	
		For 316 Stainless Steel, Add	*11.65*	
23 05 29 00-0100	EA	1" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	18.00	8.23
		For Work In Restricted Working Space, Add	*4.99*	
		For 304 Stainless Steel, Add	*9.04*	
		For 316 Stainless Steel, Add	*11.65*	
23 05 29 00-0101	EA	1-1/4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	18.98	8.98
		For Work In Restricted Working Space, Add	*5.28*	
		For 304 Stainless Steel, Add	*9.04*	
		For 316 Stainless Steel, Add	*11.65*	
23 05 29 00-0102	EA	1-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	21.43	10.48
		For Work In Restricted Working Space, Add	*5.99*	
		For 304 Stainless Steel, Add	*9.77*	
		For 316 Stainless Steel, Add	*12.58*	
23 05 29 00-0103	EA	2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	22.86	10.48
		For Work In Restricted Working Space, Add	*6.41*	
		For 304 Stainless Steel, Add	*9.77*	
		For 316 Stainless Steel, Add	*12.58*	
23 05 29 00-0104	EA	2-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	26.92	11.22
		For Work In Restricted Working Space, Add	*6.91*	
		For 304 Stainless Steel, Add	*25.67*	
		For 316 Stainless Steel, Add	*33.07*	
23 05 29 00-0105	EA	3" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	29.76	12.72
		For Work In Restricted Working Space, Add	*7.49*	
		For 304 Stainless Steel, Add	*31.75*	
		For 316 Stainless Steel, Add	*40.89*	
23 05 29 00-0106	EA	3-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	32.51	13.66
		For Work In Restricted Working Space, Add	*8.20*	
		For 304 Stainless Steel, Add	*34.25*	
		For 316 Stainless Steel, Add	*44.12*	
23 05 29 00-0107	EA	4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	36.26	14.97
		For Work In Restricted Working Space, Add	*8.98*	
		For 304 Stainless Steel, Add	*41.71*	
		For 316 Stainless Steel, Add	*53.72*	
23 05 29 00-0108	EA	5" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	40.08	16.84
		For Work In Restricted Working Space, Add	*10.10*	
		For 304 Stainless Steel, Add	*42.31*	
		For 316 Stainless Steel, Add	*54.49*	
23 05 29 00-0109	EA	6" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	46.70	18.71
		For Work In Restricted Working Space, Add	*11.23*	
		For 304 Stainless Steel, Add	*61.25*	
		For 316 Stainless Steel, Add	*78.88*	

23 05 29 00-0110 Roller Hangers *(23 05 29 00-0001)*

23 05 29 00-0111 Single Pipe Roll (Cooper B-Line B3114) *(23 05 29 00-0110)*

Note: Excludes rod and nuts. Type 41.

23 05 29 00-0112	EA	2" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	25.02	5.99
		For Work In Restricted Working Space, Add	*3.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0113	EA	2-1/2" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	27.49	6.74
		For Work In Restricted Working Space, Add	*4.04*	
23 05 29 00-0114	EA	3" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	30.51	7.86
		For Work In Restricted Working Space, Add	*4.72*	
23 05 29 00-0115	EA	3-1/2" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	35.12	8.99
		For Work In Restricted Working Space, Add	*5.39*	
23 05 29 00-0116	EA	4" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	49.12	10.11
		For Work In Restricted Working Space, Add	*6.07*	
23 05 29 00-0117	EA	5" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	43.28	11.23
		For Work In Restricted Working Space, Add	*6.74*	
23 05 29 00-0118	EA	6" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	53.99	13.47
		For Work In Restricted Working Space, Add	*8.09*	
23 05 29 00-0119	EA	8" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	73.38	15.72
		For Work In Restricted Working Space, Add	*9.43*	
23 05 29 00-0120	EA	10" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	86.98	18.72
		For Work In Restricted Working Space, Add	*11.23*	

23 05 29 00-0121 Adjustable Clevis Roller Hanger (Cooper B-Line B3110) *(23 05 29 00-0110)*

Note: Type 43.

23 05 29 00-0122	EA	2" Steel Clevis Roller Hanger (Cooper B-Line B3110)	36.99	10.58
		For Work In Restricted Working Space, Add	*6.10*	
23 05 29 00-0123	EA	2-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110)	38.45	10.90
		For Work In Restricted Working Space, Add	*6.54*	
		For 304 Stainless Steel, Add	*109.89*	
		For 316 Stainless Steel, Add	*141.53*	
23 05 29 00-0124	EA	3" Steel Clevis Roller Hanger (Cooper B-Line B3110)	41.81	11.38
		For Work In Restricted Working Space, Add	*6.97*	
23 05 29 00-0125	EA	3-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110)	49.11	12.20
		For Work In Restricted Working Space, Add	*7.32*	
		For 304 Stainless Steel, Add	*163.15*	
		For 316 Stainless Steel, Add	*210.12*	
23 05 29 00-0126	EA	4" Steel Clevis Roller Hanger (Cooper B-Line B3110)	51.83	13.83
		For Work In Restricted Working Space, Add	*8.13*	
23 05 29 00-0127	EA	5" Steel Clevis Roller Hanger (Cooper B-Line B3110)	58.63	14.89
		For Work In Restricted Working Space, Add	*8.93*	
		For 304 Stainless Steel, Add	*190.54*	
		For 316 Stainless Steel, Add	*245.40*	
23 05 29 00-0128	EA	6" Steel Clevis Roller Hanger (Cooper B-Line B3110)	68.37	16.27
		For Work In Restricted Working Space, Add	*9.76*	
23 05 29 00-0129	EA	8" Steel Clevis Roller Hanger (Cooper B-Line B3110)	94.31	20.34
		For Work In Restricted Working Space, Add	*12.20*	
23 05 29 00-0130	EA	10" Steel Clevis Roller Hanger (Cooper B-Line B3110)	118.13	27.65
		For Work In Restricted Working Space, Add	*16.27*	
23 05 29 00-0131	EA	12" Steel Clevis Roller Hanger (Cooper B-Line B3110)	154.96	30.50
		For Work In Restricted Working Space, Add	*18.30*	
23 05 29 00-0132	EA	14" Steel Clevis Roller Hanger (Cooper B-Line B3110)	330.32	34.97
		For Work In Restricted Working Space, Add	*20.98*	
23 05 29 00-0133	EA	16" Steel Clevis Roller Hanger (Cooper B-Line B3110)	415.56	40.66
		For Work In Restricted Working Space, Add	*24.40*	

23 05 29 00-0134 Roller Chair (Cooper B-Line B3120) *(23 05 29 00-0110)*

23 05 29 00-0135	EA	2" Steel Roller Chair (Cooper B-Line B3120)	35.90	10.58
		For Work In Restricted Working Space, Add	*6.10*	
23 05 29 00-0136	EA	2-1/2" Steel Roller Chair (Cooper B-Line B3120)	38.69	10.90
		For Work In Restricted Working Space, Add	*6.54*	
23 05 29 00-0137	EA	3" Steel Roller Chair (Cooper B-Line B3120)	40.51	11.38
		For Work In Restricted Working Space, Add	*6.97*	
23 05 29 00-0138	EA	3-1/2" Steel Roller Chair (Cooper B-Line B3120)	46.39	12.20
		For Work In Restricted Working Space, Add	*7.32*	
23 05 29 00-0139	EA	4" Steel Roller Chair (Cooper B-Line B3120)	51.72	13.83
		For Work In Restricted Working Space, Add	*8.13*	
23 05 29 00-0140	EA	5" Steel Roller Chair (Cooper B-Line B3120)	56.50	14.89
		For Work In Restricted Working Space, Add	*8.93*	
23 05 29 00-0141	EA	6" Steel Roller Chair (Cooper B-Line B3120)	69.77	16.27
		For Work In Restricted Working Space, Add	*9.76*	
23 05 29 00-0142	EA	8" Steel Roller Chair (Cooper B-Line B3120)	91.00	20.34
		For Work In Restricted Working Space, Add	*12.20*	
23 05 29 00-0143	EA	10" Steel Roller Chair (Cooper B-Line B3120)	117.36	27.65
		For Work In Restricted Working Space, Add	*16.27*	
23 05 29 00-0144	EA	12" Steel Roller Chair (Cooper B-Line B3120)	152.95	30.50
		For Work In Restricted Working Space, Add	*18.30*	
23 05 29 00-0145	EA	14" Steel Roller Chair (Cooper B-Line B3120)	166.39	34.97
		For Work In Restricted Working Space, Add	*20.98*	
23 05 29 00-0146	EA	16" Steel Roller Chair (Cooper B-Line B3120)	201.05	40.66
		For Work In Restricted Working Space, Add	*24.40*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0147	EA	18" Steel Roller Chair (Cooper B-Line B3120)	272.13	50.83
		For Work In Restricted Working Space, Add	*30.50*	
23 05 29 00-0148	EA	20" Steel Roller Chair (Cooper B-Line B3120)	337.27	61.00
		For Work In Restricted Working Space, Add	*36.60*	

23 05 29 00-0149 Adjustable Roller Support (Cooper B-Line B3122) *(23 05 29 00-0110)*

23 05 29 00-0150	EA	2" Steel Adjustable Roller Support (Cooper B-Line B3122)	41.02	10.58
		For Work In Restricted Working Space, Add	*6.10*	
23 05 29 00-0151	EA	2-1/2" Steel Adjustable Roller Support (Cooper B-Line B3122)	46.26	10.90
		For Work In Restricted Working Space, Add	*6.54*	
23 05 29 00-0152	EA	3" Steel Adjustable Roller Support (Cooper B-Line B3122)	48.59	11.38
		For Work In Restricted Working Space, Add	*6.97*	
23 05 29 00-0153	EA	3-1/2" Steel Adjustable Roller Support (Cooper B-Line B3122)	51.34	12.20
		For Work In Restricted Working Space, Add	*7.32*	
23 05 29 00-0154	EA	4" Steel Adjustable Roller Support (Cooper B-Line B3122)	62.07	13.83
		For Work In Restricted Working Space, Add	*8.13*	
23 05 29 00-0155	EA	5" Steel Adjustable Roller Support (Cooper B-Line B3122)	70.51	14.89
		For Work In Restricted Working Space, Add	*8.93*	
23 05 29 00-0156	EA	6" Steel Adjustable Roller Support (Cooper B-Line B3122)	82.43	16.27
		For Work In Restricted Working Space, Add	*9.76*	
23 05 29 00-0157	EA	8" Steel Adjustable Roller Support (Cooper B-Line B3122)	117.05	20.34
		For Work In Restricted Working Space, Add	*12.20*	
23 05 29 00-0158	EA	10" Steel Adjustable Roller Support (Cooper B-Line B3122)	145.46	27.65
		For Work In Restricted Working Space, Add	*16.27*	
23 05 29 00-0159	EA	12" Steel Adjustable Roller Support (Cooper B-Line B3122)	168.51	30.50
		For Work In Restricted Working Space, Add	*18.30*	
23 05 29 00-0160	EA	14" Steel Adjustable Roller Support (Cooper B-Line B3122)	240.86	34.97
		For Work In Restricted Working Space, Add	*20.98*	
23 05 29 00-0161	EA	16" Steel Adjustable Roller Support (Cooper B-Line B3122)	289.12	40.66
		For Work In Restricted Working Space, Add	*24.40*	
23 05 29 00-0162	EA	18" Steel Adjustable Roller Support (Cooper B-Line B3122)	326.94	50.83
		For Work In Restricted Working Space, Add	*30.50*	

23 05 29 00-0163 Adjustable Double Roller Support (Cooper B-Line B3122A) *(23 05 29 00-0110)*

23 05 29 00-0164	EA	2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	41.31	10.58
		For Work In Restricted Working Space, Add	*6.10*	
23 05 29 00-0165	EA	2-1/2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	46.52	10.90
		For Work In Restricted Working Space, Add	*6.54*	
23 05 29 00-0166	EA	3" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	49.03	11.38
		For Work In Restricted Working Space, Add	*6.97*	
23 05 29 00-0167	EA	3-1/2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	50.95	12.20
		For Work In Restricted Working Space, Add	*7.32*	
23 05 29 00-0168	EA	4" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	65.06	13.83
		For Work In Restricted Working Space, Add	*8.13*	
23 05 29 00-0169	EA	5" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	74.04	14.89
		For Work In Restricted Working Space, Add	*8.93*	
23 05 29 00-0170	EA	6" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	86.62	16.27
		For Work In Restricted Working Space, Add	*9.76*	
23 05 29 00-0171	EA	8" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	123.56	20.34
		For Work In Restricted Working Space, Add	*12.20*	
23 05 29 00-0172	EA	10" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	153.27	27.65
		For Work In Restricted Working Space, Add	*16.27*	
23 05 29 00-0173	EA	12" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	177.64	30.50
		For Work In Restricted Working Space, Add	*18.30*	
23 05 29 00-0174	EA	14" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	255.47	34.97
		For Work In Restricted Working Space, Add	*20.98*	

23 05 29 00-0175 Pipe And Riser Clamps *(23 05 29 00-0001)*

23 05 29 00-0176 Steel Pipe Clamp (Cooper B-Line B3140) *(23 05 29 00-0175)*

Note: Type 4.

23 05 29 00-0177	EA	1/2" Steel Pipe Clamp (Cooper B-Line B3140)	13.60	4.86
		For Work In Restricted Working Space, Add	*2.92*	
23 05 29 00-0178	EA	3/4" Steel Pipe Clamp (Cooper B-Line B3140)	13.76	4.94
		For Work In Restricted Working Space, Add	*2.96*	
23 05 29 00-0179	EA	1" Steel Pipe Clamp (Cooper B-Line B3140)	13.95	5.02
		For Work In Restricted Working Space, Add	*3.02*	
23 05 29 00-0180	EA	1-1/4" Steel Pipe Clamp (Cooper B-Line B3140)	15.30	5.10
		For Work In Restricted Working Space, Add	*3.06*	
23 05 29 00-0181	EA	1-1/2" Steel Pipe Clamp (Cooper B-Line B3140)	15.46	5.18
		For Work In Restricted Working Space, Add	*3.11*	
23 05 29 00-0182	EA	2" Steel Pipe Clamp (Cooper B-Line B3140)	16.51	5.26
		For Work In Restricted Working Space, Add	*3.16*	
23 05 29 00-0183	EA	2-1/2" Steel Pipe Clamp (Cooper B-Line B3140)	17.19	5.43
		For Work In Restricted Working Space, Add	*3.26*	
23 05 29 00-0184	EA	3" Steel Pipe Clamp (Cooper B-Line B3140)	18.26	5.59
		For Work In Restricted Working Space, Add	*3.36*	
23 05 29 00-0185	EA	3-1/2" Steel Pipe Clamp (Cooper B-Line B3140)	21.35	5.67
		For Work In Restricted Working Space, Add	*3.41*	
23 05 29 00-0186	EA	4" Steel Pipe Clamp (Cooper B-Line B3140)	24.58	7.29
		For Work In Restricted Working Space, Add	*4.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0187	EA	5" Steel Pipe Clamp (Cooper B-Line B3140)	35.42	9.72
		For Work In Restricted Working Space, Add	*5.84*	
23 05 29 00-0188	EA	6" Steel Pipe Clamp (Cooper B-Line B3140)	48.80	12.15
		For Work In Restricted Working Space, Add	*7.29*	
23 05 29 00-0189	EA	8" Steel Pipe Clamp (Cooper B-Line B3140)	57.46	14.18
		For Work In Restricted Working Space, Add	*8.51*	
23 05 29 00-0190	EA	10" Steel Pipe Clamp (Cooper B-Line B3140)	84.89	16.21
		For Work In Restricted Working Space, Add	*9.73*	
23 05 29 00-0191	EA	12" Steel Pipe Clamp (Cooper B-Line B3140)	116.80	17.83
		For Work In Restricted Working Space, Add	*10.70*	
23 05 29 00-0192	EA	14" Steel Pipe Clamp (Cooper B-Line B3140)	191.21	19.45
		For Work In Restricted Working Space, Add	*11.67*	
23 05 29 00-0193	EA	16" Steel Pipe Clamp (Cooper B-Line B3140)	207.26	21.07
		For Work In Restricted Working Space, Add	*12.64*	
23 05 29 00-0194	EA	18" Steel Pipe Clamp (Cooper B-Line B3140)	339.54	22.69
		For Work In Restricted Working Space, Add	*13.62*	
23 05 29 00-0195	EA	20" Steel Pipe Clamp (Cooper B-Line B3140)	393.12	24.31
		For Work In Restricted Working Space, Add	*14.59*	
23 05 29 00-0196	EA	24" Steel Pipe Clamp (Cooper B-Line B3140)	513.56	26.74
		For Work In Restricted Working Space, Add	*16.05*	

23 05 29 00-0197 Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) *(23 05 29 00-0175)*

23 05 29 00-0198	EA	3" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	29.00	5.24
		For Work In Restricted Working Space, Add	*3.12*	
23 05 29 00-0199	EA	4" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	38.56	5.24
		For Work In Restricted Working Space, Add	*3.12*	
23 05 29 00-0200	EA	5" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	42.41	5.42
		For Work In Restricted Working Space, Add	*3.26*	
23 05 29 00-0201	EA	6" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	68.55	5.61
		For Work In Restricted Working Space, Add	*3.39*	
23 05 29 00-0202	EA	8" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	74.64	5.98
		For Work In Restricted Working Space, Add	*3.59*	
23 05 29 00-0203	EA	10" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	129.00	5.98
		For Work In Restricted Working Space, Add	*3.58*	
23 05 29 00-0204	EA	12" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	209.57	6.74
		For Work In Restricted Working Space, Add	*4.04*	
23 05 29 00-0205	EA	14" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	266.18	7.48
		For Work In Restricted Working Space, Add	*4.49*	
23 05 29 00-0206	EA	16" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	289.19	8.98
		For Work In Restricted Working Space, Add	*5.39*	
23 05 29 00-0207	EA	18" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	904.09	10.48
		For Work In Restricted Working Space, Add	*6.29*	
23 05 29 00-0208	EA	20" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	1,039.45	11.22
		For Work In Restricted Working Space, Add	*6.74*	
23 05 29 00-0209	EA	24" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	1,332.07	11.98
		For Work In Restricted Working Space, Add	*7.18*	

23 05 29 00-0210 Steel Riser Clamp (Cooper B-Line B3373) *(23 05 29 00-0175)*

Note: Type 8.

23 05 29 00-0211	EA	1/2" Steel Riser Clamp (Cooper B-Line B3373)	13.83	4.49
		For Work In Restricted Working Space, Add	*2.69*	
23 05 29 00-0212	EA	3/4" Steel Riser Clamp (Cooper B-Line B3373)	14.43	4.56
		For Work In Restricted Working Space, Add	*2.74*	
23 05 29 00-0213	EA	1" Steel Riser Clamp (Cooper B-Line B3373)	14.64	4.64
		For Work In Restricted Working Space, Add	*2.78*	
23 05 29 00-0214	EA	1-1/4" Steel Riser Clamp (Cooper B-Line B3373)	15.91	4.71
		For Work In Restricted Working Space, Add	*2.83*	
23 05 29 00-0215	EA	1-1/2" Steel Riser Clamp (Cooper B-Line B3373)	16.56	4.78
		For Work In Restricted Working Space, Add	*2.87*	
23 05 29 00-0216	EA	2" Steel Riser Clamp (Cooper B-Line B3373)	16.98	4.87
		For Work In Restricted Working Space, Add	*2.92*	
23 05 29 00-0217	EA	2-1/2" Steel Riser Clamp (Cooper B-Line B3373)	17.72	5.02
		For Work In Restricted Working Space, Add	*3.01*	
23 05 29 00-0218	EA	3" Steel Riser Clamp (Cooper B-Line B3373)	18.81	5.17
		For Work In Restricted Working Space, Add	*3.10*	
23 05 29 00-0219	EA	3-1/2" Steel Riser Clamp (Cooper B-Line B3373)	20.80	5.24
		For Work In Restricted Working Space, Add	*3.14*	
23 05 29 00-0220	EA	4" Steel Riser Clamp (Cooper B-Line B3373)	25.16	6.74
		For Work In Restricted Working Space, Add	*4.04*	
23 05 29 00-0221	EA	5" Steel Riser Clamp (Cooper B-Line B3373)	32.45	8.98
		For Work In Restricted Working Space, Add	*5.39*	
23 05 29 00-0222	EA	6" Steel Riser Clamp (Cooper B-Line B3373)	41.20	11.22
		For Work In Restricted Working Space, Add	*6.74*	
23 05 29 00-0223	EA	8" Steel Riser Clamp (Cooper B-Line B3373)	56.89	13.09
		For Work In Restricted Working Space, Add	*7.86*	
23 05 29 00-0224	EA	10" Steel Riser Clamp (Cooper B-Line B3373)	75.37	14.97
		For Work In Restricted Working Space, Add	*8.98*	
23 05 29 00-0225	EA	12" Steel Riser Clamp (Cooper B-Line B3373)	91.61	16.46
		For Work In Restricted Working Space, Add	*9.88*	
23 05 29 00-0226	EA	14" Steel Riser Clamp (Cooper B-Line B3373)	124.20	17.96
		For Work In Restricted Working Space, Add	*10.78*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0227	EA	16" Steel Riser Clamp (Cooper B-Line B3373)	240.43	19.46
		For Work In Restricted Working Space, Add	*11.67*	

23 05 29 00-0228 Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) *(23 05 29 00-0175)*

23 05 29 00-0229	EA	1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	25.36	4.49
		For Work In Restricted Working Space, Add	*2.69*	
23 05 29 00-0230	EA	3/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	25.75	4.56
		For Work In Restricted Working Space, Add	*2.74*	
23 05 29 00-0231	EA	1" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	26.85	4.64
		For Work In Restricted Working Space, Add	*2.78*	
23 05 29 00-0232	EA	1-1/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	28.77	4.71
		For Work In Restricted Working Space, Add	*2.83*	
23 05 29 00-0233	EA	1-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	32.65	4.78
		For Work In Restricted Working Space, Add	*2.87*	
23 05 29 00-0234	EA	2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	34.75	4.87
		For Work In Restricted Working Space, Add	*2.92*	
23 05 29 00-0235	EA	2-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	37.68	5.02
		For Work In Restricted Working Space, Add	*3.01*	
23 05 29 00-0236	EA	3" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	41.49	5.17
		For Work In Restricted Working Space, Add	*3.10*	
23 05 29 00-0237	EA	4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	56.27	6.74
		For Work In Restricted Working Space, Add	*4.04*	

23 05 29 00-0238 Two Bolt Steel Underground Clamp (Cooper B-Line B3132) *(23 05 29 00-0175)*

Note: Type 42

23 05 29 00-0239	EA	4" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	58.49	5.24
		For Work In Restricted Working Space, Add	*3.12*	
23 05 29 00-0240	EA	6" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	62.04	5.61
		For Work In Restricted Working Space, Add	*3.39*	
23 05 29 00-0241	EA	8" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	68.20	5.98
		For Work In Restricted Working Space, Add	*3.59*	
23 05 29 00-0242	EA	10" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	72.92	5.98
		For Work In Restricted Working Space, Add	*3.58*	
23 05 29 00-0243	EA	12" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	88.36	6.74
		For Work In Restricted Working Space, Add	*4.04*	
23 05 29 00-0244	EA	14" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	278.30	7.48
		For Work In Restricted Working Space, Add	*4.49*	
23 05 29 00-0245	EA	16" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	373.13	8.98
		For Work In Restricted Working Space, Add	*5.39*	
23 05 29 00-0246	EA	18" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	444.67	10.48
		For Work In Restricted Working Space, Add	*6.29*	
23 05 29 00-0247	EA	20" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	135.02	11.22
		For Work In Restricted Working Space, Add	*6.74*	
23 05 29 00-0248	EA	24" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	895.43	11.98
		For Work In Restricted Working Space, Add	*7.18*	

23 05 29 00-0249 Four Bolt Steel Underground Clamp (Cooper B-Line B3134) *(23 05 29 00-0175)*

23 05 29 00-0250	EA	4" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	53.88	5.24
		For Work In Restricted Working Space, Add	*3.12*	
23 05 29 00-0251	EA	6" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	58.08	5.61
		For Work In Restricted Working Space, Add	*3.39*	
23 05 29 00-0252	EA	8" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	102.65	5.98
		For Work In Restricted Working Space, Add	*3.59*	
23 05 29 00-0253	EA	10" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	114.33	5.98
		For Work In Restricted Working Space, Add	*3.58*	
23 05 29 00-0254	EA	12" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	164.71	6.74
		For Work In Restricted Working Space, Add	*4.04*	
23 05 29 00-0255	EA	14" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	253.38	7.48
		For Work In Restricted Working Space, Add	*4.49*	
23 05 29 00-0256	EA	16" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	340.18	8.98
		For Work In Restricted Working Space, Add	*5.39*	
23 05 29 00-0257	EA	18" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	404.95	10.48
		For Work In Restricted Working Space, Add	*6.29*	
23 05 29 00-0258	EA	20" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	593.16	11.22
		For Work In Restricted Working Space, Add	*6.74*	
23 05 29 00-0259	EA	24" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	812.86	11.98
		For Work In Restricted Working Space, Add	*7.18*	

23 05 29 00-0260 Split Pipe Clamps And Rings *(23 05 29 00-0001)*

23 05 29 00-0261 Adjustable Split Ring Swivel Hanger (Cooper B-Line B3171) *(23 05 29 00-0260)*

Note: Type 6.

23 05 29 00-0262	EA	3/4" Adjustable Swivel Ring (Cooper B-Line B3171)	23.10	6.89
		For Work In Restricted Working Space, Add	*4.13*	
23 05 29 00-0263	EA	1" Adjustable Swivel Ring (Cooper B-Line B3171)	24.46	7.29
		For Work In Restricted Working Space, Add	*4.37*	
23 05 29 00-0264	EA	1-1/4" Adjustable Swivel Ring (Cooper B-Line B3171)	26.56	8.10
		For Work In Restricted Working Space, Add	*4.86*	
23 05 29 00-0265	EA	1-1/2" Adjustable Swivel Ring (Cooper B-Line B3171)	28.66	8.51
		For Work In Restricted Working Space, Add	*5.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0266	EA	2" Adjustable Swivel Ring (Cooper B-Line B3171)	31.05	8.92
		For Work In Restricted Working Space, Add	*5.35*	
23 05 29 00-0267	EA	2-1/2" Adjustable Swivel Ring (Cooper B-Line B3171)	38.78	9.32
		For Work In Restricted Working Space, Add	*5.59*	
23 05 29 00-0268	EA	3" Adjustable Swivel Ring (Cooper B-Line B3171)	42.70	9.72
		For Work In Restricted Working Space, Add	*5.84*	
23 05 29 00-0269	EA	4" Adjustable Swivel Ring (Cooper B-Line B3171)	57.34	10.94
		For Work In Restricted Working Space, Add	*6.56*	
23 05 29 00-0270	EA	5" Adjustable Swivel Ring (Cooper B-Line B3171)	72.96	13.78
		For Work In Restricted Working Space, Add	*8.27*	
23 05 29 00-0271	EA	6" Adjustable Swivel Ring (Cooper B-Line B3171)	98.14	16.21
		For Work In Restricted Working Space, Add	*9.73*	

23 05 29 00-0272 Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) *(23 05 29 00-0260)*

Note: Type 11.

23 05 29 00-0273	EA	1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	14.64	5.69
		For Work In Restricted Working Space, Add	*3.49*	
23 05 29 00-0274	EA	3/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	15.44	5.69
		For Work In Restricted Working Space, Add	*3.64*	
23 05 29 00-0275	EA	1" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	16.98	7.32
		For Work In Restricted Working Space, Add	*4.07*	
23 05 29 00-0276	EA	1-1/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	18.53	7.32
		For Work In Restricted Working Space, Add	*4.28*	
23 05 29 00-0277	EA	1-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	20.85	7.32
		For Work In Restricted Working Space, Add	*4.43*	
23 05 29 00-0278	EA	2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	24.51	8.12
		For Work In Restricted Working Space, Add	*4.88*	
23 05 29 00-0279	EA	2-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	33.41	8.12
		For Work In Restricted Working Space, Add	*5.08*	
23 05 29 00-0280	EA	3" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	37.31	8.94
		For Work In Restricted Working Space, Add	*5.30*	
23 05 29 00-0281	EA	4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	39.65	9.76
		For Work In Restricted Working Space, Add	*5.81*	

23 05 29 00-0282 Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) *(23 05 29 00-0260)*

Note: Type 12.

23 05 29 00-0283	EA	1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	14.64	5.69
		For Work In Restricted Working Space, Add	*3.49*	
23 05 29 00-0284	EA	3/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	15.44	6.10
		For Work In Restricted Working Space, Add	*3.64*	
23 05 29 00-0285	EA	1" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	16.98	6.91
		For Work In Restricted Working Space, Add	*4.07*	
23 05 29 00-0286	EA	1-1/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	18.53	7.32
		For Work In Restricted Working Space, Add	*4.28*	
23 05 29 00-0287	EA	1-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	20.85	7.32
		For Work In Restricted Working Space, Add	*4.43*	
23 05 29 00-0288	EA	2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	24.51	8.12
		For Work In Restricted Working Space, Add	*4.88*	
23 05 29 00-0289	EA	2-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	33.41	8.54
		For Work In Restricted Working Space, Add	*5.08*	
23 05 29 00-0290	EA	3" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	37.31	8.94
		For Work In Restricted Working Space, Add	*5.30*	

23 05 29 00-0291 Pipe Straps *(23 05 29 00-0001)*

23 05 29 00-0292 Standard Two Hole Pipe Strap, Steel (Cooper B-Line B-3180) *(23 05 29 00-0291)*

Note: Type 26.

23 05 29 00-0293	EA	1/2" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180)	11.03	4.07
		For Work In Restricted Working Space, Add	*2.44*	
23 05 29 00-0294	EA	3/4" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180)	11.65	4.87
		For Work In Restricted Working Space, Add	*2.57*	
23 05 29 00-0295	EA	1" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180)	12.19	4.87
		For Work In Restricted Working Space, Add	*2.71*	
23 05 29 00-0296	EA	1-1/4" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180)	12.84	4.87
		For Work In Restricted Working Space, Add	*2.87*	
23 05 29 00-0297	EA	1-1/2" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180)	13.54	5.69
		For Work In Restricted Working Space, Add	*3.05*	
23 05 29 00-0298	EA	2" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180)	14.48	5.69
		For Work In Restricted Working Space, Add	*3.25*	
23 05 29 00-0299	EA	2-1/2" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180)	21.77	5.69
		For Work In Restricted Working Space, Add	*3.49*	
23 05 29 00-0300	EA	3" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180)	24.02	5.69
		For Work In Restricted Working Space, Add	*3.75*	
23 05 29 00-0301	EA	4" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180)	28.48	7.32
		For Work In Restricted Working Space, Add	*4.39*	
23 05 29 00-0302	EA	6" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180)	35.36	8.12
		For Work In Restricted Working Space, Add	*4.88*	
23 05 29 00-0303	EA	8" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180)	40.69	8.94
		For Work In Restricted Working Space, Add	*5.36*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0304		2-Hole Copper Straps *(23 05 29 00-0291)*			
23 05 29 00-0305	EA	1/2" 2-Hole Copper Straps		4.26	
		For Work In Restricted Working Space, Add		*1.22*	
23 05 29 00-0306	EA	3/4" 2-Hole Copper Straps		4.59	
		For Work In Restricted Working Space, Add		*1.28*	
23 05 29 00-0307	EA	1" 2-Hole Copper Straps		2.23	
		For Work In Restricted Working Space, Add		*0.56*	
23 05 29 00-0308		Black Malleable Iron Clamps, 1 Hole *(23 05 29 00-0291)*			
23 05 29 00-0309	EA	1/2" Galvanized Steel Strap, 1 Hole		2.00	
		For Work In Restricted Working Space, Add		*0.41*	
23 05 29 00-0310	EA	3/4" Galvanized Steel Strap, 1 Hole		2.21	
		For Work In Restricted Working Space, Add		*0.44*	
23 05 29 00-0311	EA	1" Galvanized Steel Strap, 1 Hole		2.71	
		For Work In Restricted Working Space, Add		*0.47*	
23 05 29 00-0312	EA	1-1/4" Galvanized Steel Strap, 1 Hole		3.14	
		For Work In Restricted Working Space, Add		*0.51*	
23 05 29 00-0313	EA	1-1/2" Galvanized Steel Strap, 1 Hole		3.57	
		For Work In Restricted Working Space, Add		*0.56*	
23 05 29 00-0314	EA	2" Galvanized Steel Strap, 1 Hole		4.76	
		For Work In Restricted Working Space, Add		*0.61*	
23 05 29 00-0315		Pipe and Equipment Support Brackets *(23 05 29 00-0001)*			
23 05 29 00-0316		Pipe and Equipment Supports, Light Duty Welded Steel Bracket (Cooper B-Line B3068) *(23 05 29 00-0315)*			
		Note: Up to 750# load.			
23 05 29 00-0317	EA	9" x 9" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)		97.91	8.98
		For Galvanized, Add		*15.99*	
		For Work In Restricted Working Space, Add		*5.39*	
23 05 29 00-0318	EA	13" x 13" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)		99.37	8.98
		For Galvanized, Add		*16.28*	
		For Work In Restricted Working Space, Add		*5.39*	
23 05 29 00-0319	EA	19" x 19" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)		105.15	8.98
		For Galvanized, Add		*17.44*	
		For Work In Restricted Working Space, Add		*5.39*	
23 05 29 00-0320		Pipe and Equipment Supports, Medium Duty Welded Steel Bracket (Cooper B-Line B3066) *(23 05 29 00-0315)*			
		Note: Up to 1500# load.			
23 05 29 00-0321	EA	12" Wide x 18" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066)		239.17	8.98
		For Galvanized, Add		*44.24*	
		For Work In Restricted Working Space, Add		*5.39*	
23 05 29 00-0322	EA	18" Wide x 24" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066)		280.76	8.98
		For Galvanized, Add		*52.56*	
		For Work In Restricted Working Space, Add		*5.39*	
23 05 29 00-0323	EA	24" Wide x 30" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066)		365.56	8.98
		For Galvanized, Add		*69.52*	
		For Work In Restricted Working Space, Add		*5.39*	
23 05 29 00-0324		Sway Bracing For No Hub Pipe *(23 05 29 00-0001)*			
23 05 29 00-0325	EA	1-1/2" Sway Bracing		82.21	9.88
		For Work In Restricted Working Space, Add		*5.91*	
23 05 29 00-0326	EA	2" Sway Bracing		84.80	10.41
		For Work In Restricted Working Space, Add		*6.24*	
23 05 29 00-0327	EA	3" Sway Bracing		87.92	11.00
		For Work In Restricted Working Space, Add		*6.60*	
23 05 29 00-0328	EA	4" Sway Bracing		99.80	12.50
		For Work In Restricted Working Space, Add		*7.49*	
23 05 29 00-0329	EA	6" Sway Bracing		146.57	18.71
		For Work In Restricted Working Space, Add		*11.23*	
23 05 29 00-0330	EA	8" Sway Bracing		163.33	23.35
		For Work In Restricted Working Space, Add		*14.03*	
23 05 29 00-0331	EA	10" Sway Bracing		185.89	31.21
		For Work In Restricted Working Space, Add		*18.71*	
23 05 29 00-0332		Pipe Stand With Adjustable Saddle (Cooper B-Line B3088T-18 Base, B3093 Adjustable Pipe Saddle) *(23 05 29 00-0001)*			
		Note: Heights listed is total for base and adjustable saddle			
23 05 29 00-0333	EA	23" to 28" High Pipe Stand With Adjustable Saddle For 1-1/4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)		114.89	7.48
		For Work In Restricted Working Space, Add		*4.49*	
23 05 29 00-0334	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 1-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)		117.68	8.23
		For Work In Restricted Working Space, Add		*4.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0335	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	202.16	9.36
		For Work In Restricted Working Space, Add	*5.61*	
23 05 29 00-0336	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 2-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	257.23	10.48
		For Work In Restricted Working Space, Add	*6.29*	
23 05 29 00-0337	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 3" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	261.26	11.60
		For Work In Restricted Working Space, Add	*6.96*	
23 05 29 00-0338	EA	25" to 29" High Pipe Stand With Adjustable Saddle For 3-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	283.82	13.09
		For Work In Restricted Working Space, Add	*7.86*	
23 05 29 00-0339	EA	25" to 30" High Pipe Stand With Adjustable Saddle For 4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	342.54	14.22
		For Work In Restricted Working Space, Add	*8.53*	
23 05 29 00-0340	EA	25" to 30" High Pipe Stand With Adjustable Saddle For 5" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	347.13	15.34
		For Work In Restricted Working Space, Add	*9.20*	
23 05 29 00-0341	EA	26" to 31" High Pipe Stand With Adjustable Saddle For 6" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	353.07	16.84
		For Work In Restricted Working Space, Add	*10.10*	
23 05 29 00-0342	EA	28" to 33" High Pipe Stand With Adjustable Saddle For 8" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	366.49	18.33
		For Work In Restricted Working Space, Add	*11.00*	
23 05 29 00-0343	EA	29" to 34" High Pipe Stand With Adjustable Saddle For 10" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	389.57	20.21
		For Work In Restricted Working Space, Add	*12.12*	
23 05 29 00-0344	EA	30" to 35" High Pipe Stand With Adjustable Saddle For 12" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	401.67	22.45
		For Work In Restricted Working Space, Add	*13.47*	
23 05 29 00-0345	EA	32" to 37" High Pipe Stand With Adjustable Saddle For 14" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	488.71	24.70
		For Work In Restricted Working Space, Add	*14.82*	
23 05 29 00-0346	EA	33" to 38" High Pipe Stand With Adjustable Saddle For 16" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	527.97	27.69
		For Work In Restricted Working Space, Add	*16.61*	
23 05 29 00-0347	EA	35" to 40" High Pipe Stand With Adjustable Saddle For 18" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	749.11	30.68
		For Work In Restricted Working Space, Add	*18.41*	
23 05 29 00-0348	EA	36" to 41" High Pipe Stand With Adjustable Saddle For 20" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	892.97	33.67
		For Work In Restricted Working Space, Add	*20.21*	
23 05 29 00-0349	EA	39" to 44" High Pipe Stand With Adjustable Saddle For 24" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,045.81	36.66
		For Work In Restricted Working Space, Add	*22.00*	

23 05 29 00-0350 Channel Mounted Cushion Clamp *(23 05 29 00-0001)*

Note: Includes fastening into channel.

23 05 29 00-0351	EA	1/2" Channel Mounted Cushion Clamp For 3/8" Pipe	10.36	3.36
23 05 29 00-0352	EA	5/8" Channel Mounted Cushion Clamp For 1/2" Pipe	10.90	3.74
23 05 29 00-0353	EA	7/8" Channel Mounted Cushion Clamp For 3/4" Pipe	11.84	3.93
23 05 29 00-0354	EA	1-1/8" Channel Mounted Cushion Clamp For 1" Pipe	12.81	4.12
23 05 29 00-0355	EA	1-3/8" Channel Mounted Cushion Clamp For 1-1/4" Pipe	14.48	4.49
23 05 29 00-0356	EA	1-5/8" Channel Mounted Cushion Clamp For 1-1/2" Pipe	15.96	4.67
23 05 29 00-0357	EA	2-1/8" Channel Mounted Cushion Clamp For 2" Pipe	21.54	4.87
23 05 29 00-0358	EA	2-5/8" Channel Mounted Cushion Clamp For 2-1/2" Pipe	25.07	5.24
23 05 29 00-0359	EA	3-1/8" Channel Mounted Cushion Clamp For 3" Pipe	32.12	5.98
23 05 29 00-0360	EA	4-1/8" Channel Mounted Cushion Clamp For 4" Pipe	46.11	6.74

23 05 29 00-0361 Galvanized Steel Cushion Tube Clamp *(23 05 29 00-0001)*

Note: Excludes fastening bolt and drilling if necessary.

23 05 29 00-0362	EA	1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3/8" Pipe Note: 19/32" Center To Center Length, 9/32" Hole Diameter For Screw	2.71
23 05 29 00-0363	EA	1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3/8" Pipe Note: 23/32" Center To Center Length, 13/32" Hole Diameter For Screw	2.78
23 05 29 00-0364	EA	5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1/2" Pipe Note: 23/32" Center To Center Length, 9/32" Hole Diameter For Screw	2.83
23 05 29 00-0365	EA	5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1/2" Pipe Note: 27/32" Center To Center Length, 13/32" Hole Diameter For Screw	2.94
23 05 29 00-0366	EA	7/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3/4" Pipe Note: 27/32" Center To Center Length, 9/32" Hole Diameter For Screw	2.80
23 05 29 00-0367	EA	7/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3/4" Pipe Note: 31/32" Center To Center Length, 13/32" Hole Diameter For Screw	3.01
23 05 29 00-0368	EA	1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1" Pipe Note: 31/32" Center To Center Length, 9/32" Hole Diameter For Screw	2.88
23 05 29 00-0369	EA	1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1" Pipe Note: 1-1/32" Center To Center Length, 13/32" Hole Diameter For Screw	3.13
23 05 29 00-0370	EA	1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1" Pipe Note: 1-5/32" Center To Center Length, 17/32" Hole Diameter For Screw	3.14
23 05 29 00-0371	EA	1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1-1/4" Pipe Note: 1-3/32" Center To Center Length, 9/32" Hole Diameter For Screw	2.99

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0372	EA	1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/4" Pipe Note: 1-7/32" Center To Center Length, 13/32" Hole Diameter For Screw	3.11	
23 05 29 00-0373	EA	1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/4" Pipe Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw	3.45	
23 05 29 00-0374	EA	1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1-1/2" Pipe Note: 1-5/16" Center To Center Length, 9/32" Hole Diameter For Screw	3.12	
23 05 29 00-0375	EA	1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/2" Pipe Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw	3.34	
23 05 29 00-0376	EA	1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/2" Pipe Note: 1-13/16" Center To Center Length, 17/32" Hole Diameter For Screw	3.71	
23 05 29 00-0377	EA	2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2" Pipe Note: 1-7/16" Center To Center Length, 9/32" Hole Diameter For Screw	3.75	
23 05 29 00-0378	EA	2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2" Pipe Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw	3.95	
23 05 29 00-0379	EA	2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2" Pipe Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw	4.35	
23 05 29 00-0380	EA	2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2-1/2" Pipe Note: 1-11/16" Center To Center Length, 9/32" Hole Diameter For Screw	4.48	
23 05 29 00-0381	EA	2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2-1/2" Pipe Note: 1-13/16" Center To Center Length, 13/32" Hole Diameter For Screw	5.08	
23 05 29 00-0382	EA	2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2-1/2" Pipe Note: 1-15/16" Center To Center Length, 17/32" Hole Diameter For Screw	5.13	
23 05 29 00-0383	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3" Pipe Note: 1-15/16" Center To Center Length, 9/32" Hole Diameter For Screw	4.60	
23 05 29 00-0384	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3" Pipe Note: 2-1/16" Center To Center Length, 13/32" Hole Diameter For Screw	5.08	
23 05 29 00-0385	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3" Pipe Note: 2-3/16" Center To Center Length, 17/32" Hole Diameter For Screw	5.37	
23 05 29 00-0386	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3-1/2" Pipe Note: 2-3/16" Center To Center Length, 9/32" Hole Diameter For Screw	4.76	
23 05 29 00-0387	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3-1/2" Pipe Note: 2-5/16" Center To Center Length, 13/32" Hole Diameter For Screw	5.05	
23 05 29 00-0388	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3-1/2" Pipe Note: 2-7/16" Center To Center Length, 17/32" Hole Diameter For Screw	6.18	
23 05 29 00-0389	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 4" Pipe Note: 2-7/16" Center To Center Length, 9/32" Hole Diameter For Screw	4.72	
23 05 29 00-0390	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 4" Pipe Note: 2-9/16" Center To Center Length, 13/32" Hole Diameter For Screw	5.15	
23 05 29 00-0391	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 4" Pipe Note: 2-11/16" Center To Center Length, 17/32" Hole Diameter For Screw	6.43	
23 05 29 00-0392		**Rooftop Pipe Supports** *(23 05 29 00-0001)* Note: Excludes pipe/conduit clamps and straps.		
23 05 29 00-0393		**Rooftop Support Base** *(23 05 29 00-0392)*		
23 05 29 00-0394	EA	4" x 6" x 4.8" Rooftop Support Base (Cooper B-Line Dura-Blok DBM)	25.81	6.10
23 05 29 00-0395	EA	4" x 6" x 9.6" Rooftop Support Base (Cooper B-Line Dura-Blok DBP)	37.25	8.12
23 05 29 00-0396		**Rooftop Support Base With 14 Gauge Galvanized Channel** *(23 05 29 00-0392)*		
23 05 29 00-0397	EA	5" x 6" x 4.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB5)	33.06	6.10
23 05 29 00-0398	EA	5" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10)	48.12	8.12
23 05 29 00-0399	EA	5" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB20)	87.15	10.16
23 05 29 00-0400	EA	5" x 6" x 30.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB30)	115.99	12.19
23 05 29 00-0401	EA	5" x 6" x 41.4" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB40)	136.89	14.23
23 05 29 00-0402	EA	5" x 6" x 52" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB48)	161.07	16.26
23 05 29 00-0403		**Rooftop Support Base With 12 Gauge Galvanized Channel** *(23 05 29 00-0392)*		
23 05 29 00-0404	EA	6-7/16" x 6" x 9.6" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB610)	56.54	8.12
23 05 29 00-0405	EA	6-7/16" x 6" x 20.2" Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB620)	103.87	10.16
23 05 29 00-0406	EA	6-7/16" x 6" x 30.8" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB630)	138.90	12.19
23 05 29 00-0407	EA	6-7/16" x 6" x 41.4" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB640)	214.66	14.23
23 05 29 00-0408	EA	6-7/16" x 6" x 52" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB648)	245.09	12.19
23 05 29 00-0409		**Rooftop Bridge Support Base With 12 Gauge Galvanized Channel** *(23 05 29 00-0392)*		
23 05 29 00-0410	EA	5-5/8" x 6" x 28" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-28)	108.50	12.19
23 05 29 00-0411	EA	5-5/8" x 6" x 36" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-36)	121.69	14.23
23 05 29 00-0412	EA	5-5/8" x 6" x 42" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-42)	127.40	16.26
23 05 29 00-0413	EA	5-5/8" x 6" x 50" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-50)	137.90	18.29
23 05 29 00-0414	EA	5-5/8" x 6" x 60" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-60)	151.66	20.33
23 05 29 00-0415		**Rooftop Pipe Support Base And Rod** *(23 05 29 00-0392)*		
23 05 29 00-0416	EA	9.69" To 11.19" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1/2CT)	62.97	8.12
23 05 29 00-0417	EA	9.84" To 11.34" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-3/4CT)	62.97	8.12

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23 05 29 00-0418	EA	9.95" To 11.45" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1CT)	63.44	8.12
23 05 29 00-0419	EA	10.13" To 11.63" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/4CT)	67.86	10.16
23 05 29 00-0420	EA	10.28" To 11.78" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/2CT)	67.97	10.16
23 05 29 00-0421	EA	10.53" To 12.03" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-2CT)	68.56	10.16
23 05 29 00-0422		Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly *(23 05 29 00-0392)*		
23 05 29 00-0423	EA	7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR2-3 1/2)	101.79	8.12
23 05 29 00-0424	EA	7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR4-6)	114.41	8.12
23 05 29 00-0425	EA	8.34" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR8-10)	150.29	10.16
23 05 29 00-0426	EA	9.38" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR12-14)	211.90	10.16
23 05 29 00-0427	EA	9.78" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR16-20)	276.33	10.16
23 05 29 00-0428		Rooftop Support Base And Adjustable Height Roller Assembly *(23 05 29 00-0392)*		
		Note: Includes base, two zinc all threaded rod risers and pipe roller.		
23 05 29 00-0429	EA	Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Roller Assembly (Cooper B-Line Dura-Blok DBR10-12)	99.50	12.19
23 05 29 00-0430		Rooftop Support Base And Adjustable Height Channel Assembly *(23 05 29 00-0392)*		
		Note: Includes base, two zinc all threaded rod and 14 gauge slotted channel.		
23 05 29 00-0431	EA	Up To 8" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-8)	73.82	10.16
23 05 29 00-0432	EA	Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-12)	93.54	12.19
23 05 29 00-0433	EA	Up To 16" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-16)	106.26	14.23
23 05 29 00-0434		Rooftop Support Bases With Channel Support And Risers Assembly *(23 05 29 00-0392)*		
		Note: Includes two support bases, two 12 gauge galvanized channel risers and one 12 gauge galvanized channel support. Dimensions are "overall" (height x width x length).		
23 05 29 00-0435	EA	23" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2318DS)	310.73	16.26
23 05 29 00-0436	EA	29" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2918DS)	314.24	16.26
23 05 29 00-0437	EA	41" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4118DS)	326.98	16.26
23 05 29 00-0438	EA	53" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5318DS)	355.75	16.26
23 05 29 00-0439	EA	23" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2324DS)	312.84	16.26
23 05 29 00-0440	EA	29" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2924DS)	316.58	16.26
23 05 29 00-0441	EA	41" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4124DS)	328.97	16.26
23 05 29 00-0442	EA	53" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5324DS)	357.85	16.26
23 05 29 00-0443	EA	23" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2336DS)	318.80	16.26
23 05 29 00-0444	EA	29" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2936DS)	322.77	16.26
23 05 29 00-0445	EA	41" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4136DS)	335.28	16.26
23 05 29 00-0446	EA	53" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5336DS)	364.05	16.26
23 05 29 00-0447	EA	23" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2348DS)	333.30	16.26
23 05 29 00-0448	EA	29" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2948DS)	337.16	16.26
23 05 29 00-0449	EA	41" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4148DS)	349.31	16.26
23 05 29 00-0450	EA	53" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5348DS)	378.31	16.26
23 05 29 00-0451		Threaded Rod, Accessories And Attachments *(23 05 29)*		
23 05 29 00-0452		Threaded Rod And Rod Accessories *(23 05 29 00-0451)*		
23 05 29 00-0453		Threaded Rod *(23 05 29 00-0452)*		
		Note: Fully threaded.		
23 05 29 00-0454	LF	3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.31	0.51
		For Galvanized, Add	*0.52*	
		For Zinc Plated, Add	*0.37*	
		For Work In Restricted Working Space, Add	*0.31*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0455	LF	1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.13	0.54
		For Galvanized, Add	*0.82*	
		For Zinc Plated, Add	*0.58*	
		For Work In Restricted Working Space, Add	*0.32*	
23 05 29 00-0456	LF	5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.30	0.56
		For Galvanized, Add	*1.27*	
		For Zinc Plated, Add	*0.91*	
		For Work In Restricted Working Space, Add	*0.34*	
23 05 29 00-0457	LF	3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	6.94	0.57
		For Galvanized, Add	*2.31*	
		For Zinc Plated, Add	*1.65*	
		For Work In Restricted Working Space, Add	*0.35*	
23 05 29 00-0458	LF	7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.55	0.59
		For Galvanized, Add	*2.54*	
		For Zinc Plated, Add	*1.81*	
		For Work In Restricted Working Space, Add	*0.36*	
23 05 29 00-0459	LF	1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	10.28	0.67
		For Galvanized, Add	*3.57*	
		For Zinc Plated, Add	*2.54*	
		For Work In Restricted Working Space, Add	*0.41*	
23 05 29 00-0460	LF	1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	12.75	0.76
		For Galvanized, Add	*4.50*	
		For Zinc Plated, Add	*3.21*	
		For Work In Restricted Working Space, Add	*0.45*	

23 05 29 00-0461 Rod Couplings *(23 05 29 00-0452)*

23 05 29 00-0462	EA	3/8" Diameter, Threaded Rod Coupling Nut	5.88	
		For Work In Restricted Working Space, Add	*1.50*	
23 05 29 00-0463	EA	1/2" Diameter, Threaded Rod Coupling Nut	6.66	
		For Work In Restricted Working Space, Add	*1.66*	
23 05 29 00-0464	EA	5/8" Diameter, Threaded Rod Coupling Nut	8.22	
		For Work In Restricted Working Space, Add	*1.87*	
23 05 29 00-0465	EA	3/4" Diameter, Threaded Rod Coupling Nut	9.90	
		For Work In Restricted Working Space, Add	*2.04*	
23 05 29 00-0466	EA	7/8" Diameter, Threaded Rod Coupling Nut	14.15	
		For Work In Restricted Working Space, Add	*2.25*	
23 05 29 00-0467	EA	1" Diameter, Threaded Rod Coupling Nut	16.77	
		For Work In Restricted Working Space, Add	*2.64*	
23 05 29 00-0468	EA	1-1/8" Diameter, Threaded Rod Coupling Nut	31.06	
		For Work In Restricted Working Space, Add	*2.99*	

23 05 29 00-0469 Flat Washers *(23 05 29 00-0452)*

Note: Zinc plated.

23 05 29 00-0470	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.42	0.16
		For Galvanized, Add	*0.02*	
		For Work In Restricted Working Space, Add	*0.10*	
23 05 29 00-0471	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.55	0.16
		For Galvanized, Add	*0.04*	
		For Work In Restricted Working Space, Add	*0.11*	
23 05 29 00-0472	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.78	0.24
		For Galvanized, Add	*0.08*	
		For Work In Restricted Working Space, Add	*0.14*	
23 05 29 00-0473	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.05	0.24
		For Galvanized, Add	*0.12*	
		For Work In Restricted Working Space, Add	*0.17*	
23 05 29 00-0474	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.23	0.32
		For Galvanized, Add	*0.14*	
		For Work In Restricted Working Space, Add	*0.20*	
23 05 29 00-0475	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.44	0.32
		For Galvanized, Add	*0.17*	
		For Work In Restricted Working Space, Add	*0.23*	
23 05 29 00-0476	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.62	0.40
		For Galvanized, Add	*0.19*	
		For Work In Restricted Working Space, Add	*0.26*	

23 05 29 00-0477 Hex Nuts *(23 05 29 00-0452)*

Note: Grade 2 and zinc plated.

23 05 29 00-0478	EA	3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.52	0.20
		For Galvanized, Add	*0.02*	
		For Work In Restricted Working Space, Add	*0.14*	
23 05 29 00-0479	EA	1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.64	0.20
		For Galvanized, Add	*0.04*	
		For Work In Restricted Working Space, Add	*0.15*	
23 05 29 00-0480	EA	5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.86	0.20
		For Galvanized, Add	*0.08*	
		For Work In Restricted Working Space, Add	*0.16*	
23 05 29 00-0481	EA	3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.00	0.40
		For Galvanized, Add	*0.11*	
		For Work In Restricted Working Space, Add	*0.17*	
23 05 29 00-0482	EA	7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.41	0.40
		For Galvanized, Add	*0.21*	
		For Work In Restricted Working Space, Add	*0.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0483	EA	1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.79	0.40
		For Galvanized, Add	*0.28*	
		For Work In Restricted Working Space, Add	*0.20*	
23 05 29 00-0484	EA	1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.88	0.40
		For Galvanized, Add	*0.53*	
		For Work In Restricted Working Space, Add	*0.23*	
23 05 29 00-0485		**Turnbuckle (Cooper B-Line B3202)** *(23 05 29 00-0452)*		
		Note: Type 13.		
23 05 29 00-0486	EA	3/8" Turnbuckle (Cooper B-Line B3202)	21.13	4.07
		For Work In Restricted Working Space, Add	*2.44*	
23 05 29 00-0487	EA	1/2" Turnbuckle (Cooper B-Line B3202)	25.21	4.47
		For Work In Restricted Working Space, Add	*2.71*	
23 05 29 00-0488	EA	5/8" Turnbuckle (Cooper B-Line B3202)	27.08	4.87
		For Work In Restricted Working Space, Add	*3.05*	
23 05 29 00-0489	EA	3/4" Turnbuckle (Cooper B-Line B3202)	34.27	5.69
		For Work In Restricted Working Space, Add	*3.49*	
23 05 29 00-0490	EA	7/8" Turnbuckle (Cooper B-Line B3202)	44.61	6.10
		For Work In Restricted Working Space, Add	*4.07*	
23 05 29 00-0491	EA	1" Turnbuckle (Cooper B-Line B3202)	55.47	6.51
		For Work In Restricted Working Space, Add	*4.88*	
23 05 29 00-0492	EA	1-1/8" Turnbuckle (Cooper B-Line B3202)	77.32	7.32
		For Work In Restricted Working Space, Add	*6.10*	
23 05 29 00-0493		**Swivel Turnbuckle (Cooper B-Line B3224)** *(23 05 29 00-0452)*		
		Note: Type 15.		
23 05 29 00-0494	EA	3/8" Swivel Turnbuckle (Cooper B-Line B3224)	12.91	4.07
		For Work In Restricted Working Space, Add	*2.44*	
23 05 29 00-0495	EA	1/2" Swivel Turnbuckle (Cooper B-Line B3224)	15.00	4.55
		For Work In Restricted Working Space, Add	*2.71*	
23 05 29 00-0496	EA	5/8" Swivel Turnbuckle (Cooper B-Line B3224)	20.19	5.05
		For Work In Restricted Working Space, Add	*3.05*	
23 05 29 00-0497	EA	3/4" Swivel Turnbuckle (Cooper B-Line B3224)	24.51	5.77
		For Work In Restricted Working Space, Add	*3.49*	
23 05 29 00-0498		**Forged Steel Clevis (Cooper B-Line B3201)** *(23 05 29 00-0452)*		
		Note: Type 14.		
23 05 29 00-0499	EA	3-9/16" Forged Steel Clevis With Pin, 3/8" To 5/8" Rod Size (Cooper B-Line B3201)	72.40	7.48
		For Work In Restricted Working Space, Add	*4.49*	
23 05 29 00-0500	EA	4" Forged Steel Clevis With Pin, 3/4" To 7/8" Rod Size (Cooper B-Line B3201)	107.82	7.86
		For Work In Restricted Working Space, Add	*4.73*	
23 05 29 00-0501	EA	5-1/16" Forged Steel Clevis With Pin, 1" Rod Size (Cooper B-Line B3201)	116.68	8.23
		For Work In Restricted Working Space, Add	*4.99*	
23 05 29 00-0502	EA	5-1/16" Forged Steel Clevis With Pin, 1-1/8" Rod Size (Cooper B-Line B3201)	121.46	8.98
		For Work In Restricted Working Space, Add	*5.28*	
23 05 29 00-0503	EA	5-1/16" Forged Steel Clevis With Pin, 1-1/4" Rod Size (Cooper B-Line B3201)	127.60	10.10
		For Work In Restricted Working Space, Add	*5.99*	
23 05 29 00-0504	EA	6" Forged Steel Clevis With Pin, 1-1/2" Rod Size (Cooper B-Line B3201)	213.78	13.09
		For Work In Restricted Working Space, Add	*7.86*	
23 05 29 00-0505	EA	5-15/16" Forged Steel Clevis With Pin, 1-3/4" Rod Size (Cooper B-Line B3201)	231.79	14.97
		For Work In Restricted Working Space, Add	*8.98*	
23 05 29 00-0506	EA	7" Forged Steel Clevis With Pin, 2" Rod Size (Cooper B-Line B3201)	272.91	18.71
		For Work In Restricted Working Space, Add	*11.23*	
23 05 29 00-0507		**Welded Eye Rod (Cooper B-Line B3211)** *(23 05 29 00-0452)*		
23 05 29 00-0508	EA	3/8" Diameter x 8" Length Shank, Welded Eye Rod	20.90	4.39
		For Work In Restricted Working Space, Add	*2.64*	
23 05 29 00-0509	EA	3/8" Diameter x 10" Length Shank, Welded Eye Rod	21.60	4.47
		For Work In Restricted Working Space, Add	*2.69*	
23 05 29 00-0510	EA	3/8" Diameter x 12" Length Shank, Welded Eye Rod	22.28	4.55
		For Work In Restricted Working Space, Add	*2.74*	
23 05 29 00-0511	EA	3/8" Diameter x 14" Length Shank, Welded Eye Rod	22.45	4.63
		For Work In Restricted Working Space, Add	*2.79*	
23 05 29 00-0512	EA	3/8" Diameter x 18" Length Shank, Welded Eye Rod	23.84	4.79
		For Work In Restricted Working Space, Add	*2.90*	
23 05 29 00-0513	EA	3/8" Diameter x 24" Length Shank, Welded Eye Rod	25.41	5.12
		For Work In Restricted Working Space, Add	*3.05*	
23 05 29 00-0514	EA	3/8" Diameter x 30" Length Shank, Welded Eye Rod	26.44	5.37
		For Work In Restricted Working Space, Add	*3.20*	
23 05 29 00-0515	EA	3/8" Diameter x 36" Length Shank, Welded Eye Rod	28.53	5.61
		For Work In Restricted Working Space, Add	*3.35*	
23 05 29 00-0516	EA	3/8" Diameter x 42" Length Shank, Welded Eye Rod	30.09	5.85
		For Work In Restricted Working Space, Add	*3.51*	
23 05 29 00-0517	EA	3/8" Diameter x 48" Length Shank, Welded Eye Rod	31.65	6.10
		For Work In Restricted Working Space, Add	*3.66*	
23 05 29 00-0518	EA	1/2" Diameter x 8" Length Shank, Welded Eye Rod	28.15	4.87
		For Work In Restricted Working Space, Add	*2.93*	
23 05 29 00-0519	EA	1/2" Diameter x 10" Length Shank, Welded Eye Rod	28.84	4.97
		For Work In Restricted Working Space, Add	*2.98*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0520	EA	1/2" Diameter x 12" Length Shank, Welded Eye Rod		29.57	5.05
		For Work In Restricted Working Space, Add		*3.03*	
23 05 29 00-0521	EA	1/2" Diameter x 14" Length Shank, Welded Eye Rod		30.26	5.13
		For Work In Restricted Working Space, Add		*3.08*	
23 05 29 00-0522	EA	1/2" Diameter x 18" Length Shank, Welded Eye Rod		31.68	5.29
		For Work In Restricted Working Space, Add		*3.20*	
23 05 29 00-0523	EA	1/2" Diameter x 24" Length Shank, Welded Eye Rod		34.32	5.61
		For Work In Restricted Working Space, Add		*3.36*	
23 05 29 00-0524	EA	1/2" Diameter x 30" Length Shank, Welded Eye Rod		36.44	5.85
		For Work In Restricted Working Space, Add		*3.52*	
23 05 29 00-0525	EA	1/2" Diameter x 36" Length Shank, Welded Eye Rod		39.08	6.10
		For Work In Restricted Working Space, Add		*3.68*	
23 05 29 00-0526	EA	1/2" Diameter x 42" Length Shank, Welded Eye Rod		41.19	6.43
		For Work In Restricted Working Space, Add		*3.85*	
23 05 29 00-0527	EA	1/2" Diameter x 48" Length Shank, Welded Eye Rod		43.32	6.67
		For Work In Restricted Working Space, Add		*4.01*	
23 05 29 00-0528	EA	5/8" Diameter x 8" Length Shank, Welded Eye Rod		38.25	5.45
		For Work In Restricted Working Space, Add		*3.28*	
23 05 29 00-0529	EA	5/8" Diameter x 10" Length Shank, Welded Eye Rod		39.47	5.53
		For Work In Restricted Working Space, Add		*3.33*	
23 05 29 00-0530	EA	5/8" Diameter x 12" Length Shank, Welded Eye Rod		40.72	5.61
		For Work In Restricted Working Space, Add		*3.39*	
23 05 29 00-0531	EA	5/8" Diameter x 14" Length Shank, Welded Eye Rod		41.43	5.77
		For Work In Restricted Working Space, Add		*3.44*	
23 05 29 00-0532	EA	5/8" Diameter x 18" Length Shank, Welded Eye Rod		43.38	5.93
		For Work In Restricted Working Space, Add		*3.55*	
23 05 29 00-0533	EA	5/8" Diameter x 24" Length Shank, Welded Eye Rod		46.58	6.18
		For Work In Restricted Working Space, Add		*3.72*	
23 05 29 00-0534	EA	5/8" Diameter x 30" Length Shank, Welded Eye Rod		49.76	6.51
		For Work In Restricted Working Space, Add		*3.89*	
23 05 29 00-0535	EA	5/8" Diameter x 36" Length Shank, Welded Eye Rod		52.43	6.75
		For Work In Restricted Working Space, Add		*4.06*	
23 05 29 00-0536	EA	5/8" Diameter x 42" Length Shank, Welded Eye Rod		55.61	7.07
		For Work In Restricted Working Space, Add		*4.23*	
23 05 29 00-0537	EA	5/8" Diameter x 48" Length Shank, Welded Eye Rod		58.79	7.32
		For Work In Restricted Working Space, Add		*4.40*	
23 05 29 00-0538	EA	3/4" Diameter x 8" Length Shank, Welded Eye Rod		47.08	6.18
		For Work In Restricted Working Space, Add		*3.72*	
23 05 29 00-0539	EA	3/4" Diameter x 10" Length Shank, Welded Eye Rod		48.86	6.26
		For Work In Restricted Working Space, Add		*3.78*	
23 05 29 00-0540	EA	3/4" Diameter x 12" Length Shank, Welded Eye Rod		50.09	6.43
		For Work In Restricted Working Space, Add		*3.83*	
23 05 29 00-0541	EA	3/4" Diameter x 14" Length Shank, Welded Eye Rod		51.87	6.51
		For Work In Restricted Working Space, Add		*3.89*	
23 05 29 00-0542	EA	3/4" Diameter x 18" Length Shank, Welded Eye Rod		54.89	6.67
		For Work In Restricted Working Space, Add		*4.01*	
23 05 29 00-0543	EA	3/4" Diameter x 24" Length Shank, Welded Eye Rod		59.12	6.99
		For Work In Restricted Working Space, Add		*4.18*	
23 05 29 00-0544	EA	3/4" Diameter x 30" Length Shank, Welded Eye Rod		63.37	7.24
		For Work In Restricted Working Space, Add		*4.35*	
23 05 29 00-0545	EA	3/4" Diameter x 36" Length Shank, Welded Eye Rod		68.18	7.56
		For Work In Restricted Working Space, Add		*4.53*	
23 05 29 00-0546	EA	3/4" Diameter x 42" Length Shank, Welded Eye Rod		72.93	7.81
		For Work In Restricted Working Space, Add		*4.70*	
23 05 29 00-0547	EA	3/4" Diameter x 48" Length Shank, Welded Eye Rod		77.20	8.13
		For Work In Restricted Working Space, Add		*4.88*	
23 05 29 00-0548	EA	7/8" Diameter x 8" Length Shank, Welded Eye Rod		56.41	7.16
		For Work In Restricted Working Space, Add		*4.31*	
23 05 29 00-0549	EA	7/8" Diameter x 10" Length Shank, Welded Eye Rod		58.72	7.32
		For Work In Restricted Working Space, Add		*4.37*	
23 05 29 00-0550	EA	7/8" Diameter x 12" Length Shank, Welded Eye Rod		60.51	7.40
		For Work In Restricted Working Space, Add		*4.44*	
23 05 29 00-0551	EA	7/8" Diameter x 14" Length Shank, Welded Eye Rod		62.28	7.48
		For Work In Restricted Working Space, Add		*4.50*	
23 05 29 00-0552	EA	7/8" Diameter x 18" Length Shank, Welded Eye Rod		65.84	7.73
		For Work In Restricted Working Space, Add		*4.62*	
23 05 29 00-0553	EA	7/8" Diameter x 24" Length Shank, Welded Eye Rod		71.68	7.97
		For Work In Restricted Working Space, Add		*4.79*	
23 05 29 00-0554	EA	7/8" Diameter x 30" Length Shank, Welded Eye Rod		77.02	8.30
		For Work In Restricted Working Space, Add		*4.98*	
23 05 29 00-0555	EA	7/8" Diameter x 36" Length Shank, Welded Eye Rod		82.87	8.62
		For Work In Restricted Working Space, Add		*5.16*	
23 05 29 00-0556	EA	7/8" Diameter x 42" Length Shank, Welded Eye Rod		88.21	8.86
		For Work In Restricted Working Space, Add		*5.34*	
23 05 29 00-0557	EA	7/8" Diameter x 48" Length Shank, Welded Eye Rod		93.53	9.19
		For Work In Restricted Working Space, Add		*5.52*	
23 05 29 00-0558	EA	1" Diameter x 8" Length Shank, Welded Eye Rod		70.77	8.62
		For Work In Restricted Working Space, Add		*5.15*	
23 05 29 00-0559	EA	1" Diameter x 10" Length Shank, Welded Eye Rod		73.09	8.70
		For Work In Restricted Working Space, Add		*5.22*	
23 05 29 00-0560	EA	1" Diameter x 12" Length Shank, Welded Eye Rod		75.43	8.78
		For Work In Restricted Working Space, Add		*5.29*	
23 05 29 00-0561	EA	1" Diameter x 14" Length Shank, Welded Eye Rod		77.76	8.94
		For Work In Restricted Working Space, Add		*5.36*	

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23 05 29 00-0562	EA	1" Diameter x 18" Length Shank, Welded Eye Rod	82.39	9.19
		For Work In Restricted Working Space, Add	*5.49*	
23 05 29 00-0563	EA	1" Diameter x 24" Length Shank, Welded Eye Rod	89.39	9.52
		For Work In Restricted Working Space, Add	*5.69*	
23 05 29 00-0564	EA	1" Diameter x 30" Length Shank, Welded Eye Rod	96.39	9.84
		For Work In Restricted Working Space, Add	*5.90*	
23 05 29 00-0565	EA	1" Diameter x 36" Length Shank, Welded Eye Rod	103.87	10.16
		For Work In Restricted Working Space, Add	*6.10*	
23 05 29 00-0566	EA	1" Diameter x 42" Length Shank, Welded Eye Rod	110.85	10.49
		For Work In Restricted Working Space, Add	*6.30*	
23 05 29 00-0567	EA	1" Diameter x 48" Length Shank, Welded Eye Rod	117.84	10.82
		For Work In Restricted Working Space, Add	*6.51*	

23 05 29 00-0568 Welded Linked Eye Rod (Cooper B-Line B3211X) *(23 05 29 00-0452)*

23 05 29 00-0569	EA	3/8" Diameter x 16" Length Shank, Linked Welded Eye Rod	44.48	5.93
		For Work In Restricted Working Space, Add	*3.58*	
23 05 29 00-0570	EA	3/8" Diameter x 20" Length Shank, Linked Welded Eye Rod	45.67	6.10
		For Work In Restricted Working Space, Add	*3.68*	
23 05 29 00-0571	EA	3/8" Diameter x 24" Length Shank, Linked Welded Eye Rod	46.88	6.34
		For Work In Restricted Working Space, Add	*3.78*	
23 05 29 00-0572	EA	3/8" Diameter x 30" Length Shank, Linked Welded Eye Rod	47.39	6.58
		For Work In Restricted Working Space, Add	*3.93*	
23 05 29 00-0573	EA	3/8" Diameter x 36" Length Shank, Linked Welded Eye Rod	49.63	6.83
		For Work In Restricted Working Space, Add	*4.09*	
23 05 29 00-0574	EA	3/8" Diameter x 48" Length Shank, Linked Welded Eye Rod	52.43	7.32
		For Work In Restricted Working Space, Add	*4.39*	
23 05 29 00-0575	EA	3/8" Diameter x 60" Length Shank, Linked Welded Eye Rod	54.30	7.80
		For Work In Restricted Working Space, Add	*4.70*	
23 05 29 00-0576	EA	3/8" Diameter x 72" Length Shank, Linked Welded Eye Rod	57.96	8.38
		For Work In Restricted Working Space, Add	*5.00*	
23 05 29 00-0577	EA	1/2" Diameter x 16" Length Shank, Linked Welded Eye Rod	57.73	6.59
		For Work In Restricted Working Space, Add	*3.95*	
23 05 29 00-0578	EA	1/2" Diameter x 20" Length Shank, Linked Welded Eye Rod	58.96	6.75
		For Work In Restricted Working Space, Add	*4.06*	
23 05 29 00-0579	EA	1/2" Diameter x 24" Length Shank, Linked Welded Eye Rod	60.23	6.91
		For Work In Restricted Working Space, Add	*4.17*	
23 05 29 00-0580	EA	1/2" Diameter x 30" Length Shank, Linked Welded Eye Rod	61.64	7.24
		For Work In Restricted Working Space, Add	*4.33*	
23 05 29 00-0581	EA	1/2" Diameter x 36" Length Shank, Linked Welded Eye Rod	63.92	7.48
		For Work In Restricted Working Space, Add	*4.49*	
23 05 29 00-0582	EA	1/2" Diameter x 48" Length Shank, Linked Welded Eye Rod	68.50	8.05
		For Work In Restricted Working Space, Add	*4.82*	
23 05 29 00-0583	EA	1/2" Diameter x 60" Length Shank, Linked Welded Eye Rod	72.22	8.54
		For Work In Restricted Working Space, Add	*5.14*	
23 05 29 00-0584	EA	1/2" Diameter x 72" Length Shank, Linked Welded Eye Rod	76.82	9.10
		For Work In Restricted Working Space, Add	*5.47*	
23 05 29 00-0585	EA	5/8" Diameter x 16" Length Shank, Linked Welded Eye Rod	77.64	7.32
		For Work In Restricted Working Space, Add	*4.42*	
23 05 29 00-0586	EA	5/8" Diameter x 20" Length Shank, Linked Welded Eye Rod	79.73	7.56
		For Work In Restricted Working Space, Add	*4.53*	
23 05 29 00-0587	EA	5/8" Diameter x 24" Length Shank, Linked Welded Eye Rod	81.88	7.73
		For Work In Restricted Working Space, Add	*4.64*	
23 05 29 00-0588	EA	5/8" Diameter x 30" Length Shank, Linked Welded Eye Rod	83.32	8.05
		For Work In Restricted Working Space, Add	*4.81*	
23 05 29 00-0589	EA	5/8" Diameter x 36" Length Shank, Linked Welded Eye Rod	86.50	8.30
		For Work In Restricted Working Space, Add	*4.97*	
23 05 29 00-0590	EA	5/8" Diameter x 48" Length Shank, Linked Welded Eye Rod	92.01	8.86
		For Work In Restricted Working Space, Add	*5.31*	
23 05 29 00-0591	EA	5/8" Diameter x 60" Length Shank, Linked Welded Eye Rod	97.49	9.44
		For Work In Restricted Working Space, Add	*5.65*	
23 05 29 00-0592	EA	5/8" Diameter x 72" Length Shank, Linked Welded Eye Rod	102.12	10.00
		For Work In Restricted Working Space, Add	*5.99*	
23 05 29 00-0593	EA	3/4" Diameter x 16" Length Shank, Linked Welded Eye Rod	98.39	8.30
		For Work In Restricted Working Space, Add	*5.00*	
23 05 29 00-0594	EA	3/4" Diameter x 20" Length Shank, Linked Welded Eye Rod	101.42	8.54
		For Work In Restricted Working Space, Add	*5.11*	
23 05 29 00-0595	EA	3/4" Diameter x 24" Length Shank, Linked Welded Eye Rod	103.54	8.70
		For Work In Restricted Working Space, Add	*5.23*	
23 05 29 00-0596	EA	3/4" Diameter x 30" Length Shank, Linked Welded Eye Rod	106.75	9.02
		For Work In Restricted Working Space, Add	*5.40*	
23 05 29 00-0597	EA	3/4" Diameter x 36" Length Shank, Linked Welded Eye Rod	111.70	9.28
		For Work In Restricted Working Space, Add	*5.57*	
23 05 29 00-0598	EA	3/4" Diameter x 48" Length Shank, Linked Welded Eye Rod	118.98	9.84
		For Work In Restricted Working Space, Add	*5.92*	
23 05 29 00-0599	EA	3/4" Diameter x 60" Length Shank, Linked Welded Eye Rod	126.26	10.41
		For Work In Restricted Working Space, Add	*6.27*	
23 05 29 00-0600	EA	3/4" Diameter x 72" Length Shank, Linked Welded Eye Rod	134.44	11.06
		For Work In Restricted Working Space, Add	*6.62*	
23 05 29 00-0601	EA	7/8" Diameter x 16" Length Shank, Linked Welded Eye Rod	118.27	9.60
		For Work In Restricted Working Space, Add	*5.78*	
23 05 29 00-0602	EA	7/8" Diameter x 20" Length Shank, Linked Welded Eye Rod	122.18	9.84
		For Work In Restricted Working Space, Add	*5.90*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0603	EA	7/8" Diameter x 24" Length Shank, Linked Welded Eye Rod	125.21	10.00
		For Work In Restricted Working Space, Add	*6.02*	
23 05 29 00-0604	EA	7/8" Diameter x 30" Length Shank, Linked Welded Eye Rod	128.43	10.32
		For Work In Restricted Working Space, Add	*6.20*	
23 05 29 00-0605	EA	7/8" Diameter x 36" Length Shank, Linked Welded Eye Rod	134.31	10.66
		For Work In Restricted Working Space, Add	*6.38*	
23 05 29 00-0606	EA	7/8" Diameter x 48" Length Shank, Linked Welded Eye Rod	144.26	11.22
		For Work In Restricted Working Space, Add	*6.74*	
23 05 29 00-0607	EA	7/8" Diameter x 60" Length Shank, Linked Welded Eye Rod	153.34	11.87
		For Work In Restricted Working Space, Add	*7.10*	
23 05 29 00-0608	EA	7/8" Diameter x 72" Length Shank, Linked Welded Eye Rod	163.29	12.44
		For Work In Restricted Working Space, Add	*7.46*	
23 05 29 00-0609	EA	1" Diameter x 16" Length Shank, Linked Welded Eye Rod	150.84	11.47
		For Work In Restricted Working Space, Add	*6.89*	
23 05 29 00-0610	EA	1" Diameter x 20" Length Shank, Linked Welded Eye Rod	154.80	11.71
		For Work In Restricted Working Space, Add	*7.02*	
23 05 29 00-0611	EA	1" Diameter x 24" Length Shank, Linked Welded Eye Rod	158.75	11.96
		For Work In Restricted Working Space, Add	*7.16*	
23 05 29 00-0612	EA	1" Diameter x 30" Length Shank, Linked Welded Eye Rod	162.95	12.28
		For Work In Restricted Working Space, Add	*7.36*	
23 05 29 00-0613	EA	1" Diameter x 36" Length Shank, Linked Welded Eye Rod	170.59	12.61
		For Work In Restricted Working Space, Add	*7.56*	
23 05 29 00-0614	EA	1" Diameter x 48" Length Shank, Linked Welded Eye Rod	182.48	13.25
		For Work In Restricted Working Space, Add	*7.97*	
23 05 29 00-0615	EA	1" Diameter x 60" Length Shank, Linked Welded Eye Rod	194.37	13.99
		For Work In Restricted Working Space, Add	*8.38*	
23 05 29 00-0616	EA	1" Diameter x 72" Length Shank, Linked Welded Eye Rod	207.05	14.63
		For Work In Restricted Working Space, Add	*8.78*	

23 05 29 00-0617 Attachments *(23 05 29 00-0451)*

23 05 29 00-0618 Welded Beam Attachments (B-Line B-3083) *(23 05 29 00-0617)*

Note: Type 22.

23 05 29 00-0619	EA	3/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)	33.68	7.58
		For Work In Restricted Working Space, Add	*4.55*	
23 05 29 00-0620	EA	1/2" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)	35.94	7.96
		For Work In Restricted Working Space, Add	*4.79*	
23 05 29 00-0621	EA	5/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)	38.26	8.42
		For Work In Restricted Working Space, Add	*5.06*	
23 05 29 00-0622	EA	3/4" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)	48.86	8.95
		For Work In Restricted Working Space, Add	*5.35*	
23 05 29 00-0623	EA	7/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)	58.65	9.48
		For Work In Restricted Working Space, Add	*5.69*	
23 05 29 00-0624	EA	1" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)	82.26	10.84
		For Work In Restricted Working Space, Add	*6.50*	
23 05 29 00-0625	EA	1-1/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)	116.57	11.37
		For Work In Restricted Working Space, Add	*6.83*	

23 05 29 00-0626 C-Clamp Style Beam Clamps (B-Line B-3034) *(23 05 29 00-0617)*

Note: Type 23. Top or bottom flange mount.

23 05 29 00-0627	EA	3/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)	12.43	4.15
		For Work In Restricted Working Space, Add	*3.05*	
23 05 29 00-0628	EA	1/2" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)	14.77	5.29
		For Work In Restricted Working Space, Add	*3.26*	
23 05 29 00-0629	EA	5/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)	16.72	5.69
		For Work In Restricted Working Space, Add	*3.49*	
23 05 29 00-0630	EA	3/4" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)	21.36	6.10
		For Work In Restricted Working Space, Add	*3.75*	
23 05 29 00-0631	EA	7/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)	30.75	6.51
		For Work In Restricted Working Space, Add	*4.07*	

23 05 29 00-0632 Bottom Mount I-Beam Clamps (B-Line B-3055) *(23 05 29 00-0617)*

Note: Type 21. For attaching threaded rod centered under beam flanges.

23 05 29 00-0633	EA	3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)	33.44	5.69
		For Work In Restricted Working Space, Add	*4.07*	
23 05 29 00-0634	EA	1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)	48.87	7.32
		For Work In Restricted Working Space, Add	*4.44*	
23 05 29 00-0635	EA	5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)	69.55	8.13
		For Work In Restricted Working Space, Add	*4.88*	
23 05 29 00-0636	EA	3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)	83.17	8.94
		For Work In Restricted Working Space, Add	*5.42*	
23 05 29 00-0637	EA	1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)	200.08	9.76
		For Work In Restricted Working Space, Add	*6.10*	

23 05 29 00-0638 Steel U-Bolts (B-Line B-3188) *(23 05 29 00-0617)*

Note: Type 24. Includes plate and nuts.

23 05 29 00-0639	EA	1/2" Pipe Size, Steel U-Bolt (B-Line B-3188)	10.11	2.03
		For Work In Restricted Working Space, Add	*2.44*	
23 05 29 00-0640	EA	3/4" Pipe Size, Steel U-Bolt (B-Line B-3188)	10.97	2.44
		For Work In Restricted Working Space, Add	*2.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0641	EA	1" Pipe Size, Steel U-Bolt (B-Line B-3188)	11.79	2.44
		For Work In Restricted Working Space, Add	*2.71*	
23 05 29 00-0642	EA	1-1/4" Pipe Size, Steel U-Bolt (B-Line B-3188)	13.37	2.44
		For Work In Restricted Working Space, Add	*2.87*	
23 05 29 00-0643	EA	1-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188)	13.82	2.85
		For Work In Restricted Working Space, Add	*3.05*	
23 05 29 00-0644	EA	2" Pipe Size, Steel U-Bolt (B-Line B-3188)	14.79	2.85
		For Work In Restricted Working Space, Add	*3.25*	
23 05 29 00-0645	EA	2-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188)	21.09	2.85
		For Work In Restricted Working Space, Add	*3.49*	
23 05 29 00-0646	EA	3" Pipe Size, Steel U-Bolt (B-Line B-3188)	23.22	3.25
		For Work In Restricted Working Space, Add	*3.75*	
23 05 29 00-0647	EA	4" Pipe Size, Steel U-Bolt (B-Line B-3188)	27.98	3.65
		For Work In Restricted Working Space, Add	*4.07*	

23 05 29 00-0648 Copper Standoff Brackets With Flange *(23 05 29 00-0617)*

Note: Installed in wood, concrete, concrete block or steel.

23 05 29 00-0649	EA	Clamp Size 1/2", Copper Standoff Brackets With Flange	24.73	11.63
		For Work In Restricted Working Space, Add	*6.97*	
23 05 29 00-0650	EA	Clamp Size 3/4", Copper Standoff Brackets With Flange	24.82	11.63
		For Work In Restricted Working Space, Add	*6.97*	
23 05 29 00-0651	EA	Clamp Size 1", Copper Standoff Brackets With Flange	24.91	11.63
		For Work In Restricted Working Space, Add	*6.97*	
23 05 29 00-0652	EA	Clamp Size 1 1/4", Copper Standoff Brackets With Flange	26.50	12.36
		For Work In Restricted Working Space, Add	*7.40*	
23 05 29 00-0653	EA	Clamp Size 1 1/2", Copper Standoff Brackets With Flange	26.68	12.36
		For Work In Restricted Working Space, Add	*7.40*	

23 05 29 00-0654 Malleable Iron Eye Sockets (B-Line B-3222) *(23 05 29 00-0617)*

Note: Type 16.

23 05 29 00-0655	EA	3/8" Rod Size, Malleable Iron Eye Socket	7.48	1.22
		For Work In Restricted Working Space, Add	*0.74*	
23 05 29 00-0656	EA	1/2" Rod Size, Malleable Iron Eye Socket	9.54	1.62
		For Work In Restricted Working Space, Add	*0.98*	
23 05 29 00-0657	EA	5/8" Rod Size, Malleable Iron Eye Socket	16.19	1.62
		For Work In Restricted Working Space, Add	*0.98*	
23 05 29 00-0658	EA	3/4" Rod Size, Malleable Iron Eye Socket	22.72	1.62
		For Work In Restricted Working Space, Add	*0.98*	
23 05 29 00-0659	EA	7/8" Rod Size, Malleable Iron Eye Socket	24.58	2.03
		For Work In Restricted Working Space, Add	*1.22*	

23 05 29 00-0660 Steel Weldless Eye Nuts (B-Line B-3200) *(23 05 29 00-0617)*

Note: Type 17.

23 05 29 00-0661	EA	3/8" Rod Size, Steel Weldless Eye Nut	23.88	1.22
		For Work In Restricted Working Space, Add	*0.74*	
23 05 29 00-0662	EA	1/2" Rod Size, Steel Weldless Eye Nut	24.66	1.62
		For Work In Restricted Working Space, Add	*0.98*	
23 05 29 00-0663	EA	5/8" Rod Size, Steel Weldless Eye Nut	24.69	1.62
		For Work In Restricted Working Space, Add	*0.98*	
23 05 29 00-0664	EA	3/4" Rod Size, Steel Weldless Eye Nut	24.66	1.62
		For Work In Restricted Working Space, Add	*0.98*	
23 05 29 00-0665	EA	7/8" Rod Size, Steel Weldless Eye Nut	47.85	1.79
		For Work In Restricted Working Space, Add	*1.10*	
23 05 29 00-0666	EA	1" Rod Size, Steel Weldless Eye Nut	48.26	2.03
		For Work In Restricted Working Space, Add	*1.22*	

23 05 29 00-0667 Top Mount I-Beam Clamps (B-Line B-3042) *(23 05 29 00-0617)*

Note: For attaching threaded rod to either side of an I-beam.

23 05 29 00-0668	EA	3/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	16.67	3.79
		For Work In Restricted Working Space, Add	*2.27*	
23 05 29 00-0669	EA	1/2" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	20.00	4.18
		For Work In Restricted Working Space, Add	*2.51*	
23 05 29 00-0670	EA	5/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	24.16	4.55
		For Work In Restricted Working Space, Add	*2.76*	
23 05 29 00-0671	EA	3/4" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	32.96	4.93
		For Work In Restricted Working Space, Add	*2.90*	
23 05 29 00-0672	EA	7/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	50.29	5.69
		For Work In Restricted Working Space, Add	*3.41*	
23 05 29 00-0673	EA	3/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	17.52	3.79
		For Work In Restricted Working Space, Add	*2.27*	
23 05 29 00-0674	EA	1/2" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	21.19	4.18
		For Work In Restricted Working Space, Add	*2.51*	
23 05 29 00-0675	EA	5/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	24.16	4.55
		For Work In Restricted Working Space, Add	*2.76*	
23 05 29 00-0676	EA	3/4" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	36.09	4.93
		For Work In Restricted Working Space, Add	*2.90*	
23 05 29 00-0677	EA	7/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	55.65	5.69
		For Work In Restricted Working Space, Add	*3.41*	
23 05 29 00-0678	EA	3/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	19.48	3.79
		For Work In Restricted Working Space, Add	*2.27*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0679		EA	1/2" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	23.40	4.18
			For Work In Restricted Working Space, Add	*2.51*	
23 05 29 00-0680		EA	5/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	29.33	4.55
			For Work In Restricted Working Space, Add	*2.76*	
23 05 29 00-0681		EA	3/4" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	41.96	4.93
			For Work In Restricted Working Space, Add	*2.90*	
23 05 29 00-0682		EA	7/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	67.12	5.69
			For Work In Restricted Working Space, Add	*3.41*	

23 05 29 00-0683 Side Beam Brackets (B-Line B-3062) *(23 05 29 00-0617)*

Note: Type 34.

23 05 29 00-0684		EA	3/8" Rod Size, Side Beam Bracket	13.82	5.29
			For Work In Restricted Working Space, Add	*3.05*	
23 05 29 00-0685		EA	1/2" Rod Size, Side Beam Bracket	16.28	5.29
			For Work In Restricted Working Space, Add	*3.26*	
23 05 29 00-0686		EA	5/8" Rod Size, Side Beam Bracket	20.89	5.69
			For Work In Restricted Working Space, Add	*3.49*	
23 05 29 00-0687		EA	3/4" Rod Size, Side Beam Bracket	36.48	6.10
			For Work In Restricted Working Space, Add	*3.75*	
23 05 29 00-0688		EA	7/8" Rod Size, Side Beam Bracket	42.63	6.91
			For Work In Restricted Working Space, Add	*4.07*	

23 05 29 00-0689 Hex Lag Bolts *(23 05 29 00-0617)*

Note: Also known as coach screws.

23 05 29 00-0690		EA	3/8" x 3-1/2" Long, Hex Lag Bolt	2.13	
			For Work In Restricted Working Space, Add	*0.51*	
23 05 29 00-0691		EA	3/8" x 4" Long, Hex Lag Bolt	2.16	
			For Work In Restricted Working Space, Add	*0.53*	
23 05 29 00-0692		EA	3/8" x 6" Long, Hex Lag Bolt	2.41	
			For Work In Restricted Working Space, Add	*0.54*	
23 05 29 00-0693		EA	3/8" x 8" Long, Hex Lag Bolt	2.86	
			For Work In Restricted Working Space, Add	*0.56*	
23 05 29 00-0694		EA	3/8" x 10" Long, Hex Lag Bolt	3.04	
			For Work In Restricted Working Space, Add	*0.59*	
23 05 29 00-0695		EA	3/8" x 12" Long, Hex Lag Bolt	3.78	
			For Work In Restricted Working Space, Add	*0.61*	
23 05 29 00-0696		EA	1/2" x 3-1/2" Long, Hex Lag Bolt	2.87	
			For Work In Restricted Working Space, Add	*0.61*	
23 05 29 00-0697		EA	1/2" x 4" Long, Hex Lag Bolt	2.91	
			For Work In Restricted Working Space, Add	*0.63*	
23 05 29 00-0698		EA	1/2" x 6" Long, Hex Lag Bolt	3.35	
			For Work In Restricted Working Space, Add	*0.66*	
23 05 29 00-0699		EA	1/2" x 8" Long, Hex Lag Bolt	3.85	
			For Work In Restricted Working Space, Add	*0.69*	
23 05 29 00-0700		EA	1/2" x 10" Long, Hex Lag Bolt	4.50	
			For Work In Restricted Working Space, Add	*0.73*	
23 05 29 00-0701		EA	1/2" x 12" Long, Hex Lag Bolt	4.81	
			For Work In Restricted Working Space, Add	*0.76*	
23 05 29 00-0702		EA	5/8" x 4" Long, Hex Lag Bolt	3.89	
			For Work In Restricted Working Space, Add	*0.68*	
23 05 29 00-0703		EA	3/4" x 5" Long, Hex Lag Bolt	4.51	
			For Work In Restricted Working Space, Add	*0.69*	

23 05 29 00-0704 Shields And Saddles *(23 05 29)*

23 05 29 00-0705 Insulation Protection Shield *(23 05 29 00-0704)*

Note: Type 40.

23 05 29 00-0706 Insulation Protection Shield (Cooper B-Line B3151) *(23 05 29 00-0705)*

Note: Type 40.

23 05 29 00-0707		EA	1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length	11.91	1.95
			For Work In Restricted Working Space, Add	*1.95*	
23 05 29 00-0708		EA	2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length	12.09	1.97
			For Work In Restricted Working Space, Add	*1.98*	
23 05 29 00-0709		EA	2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length	12.40	2.00
			For Work In Restricted Working Space, Add	*2.00*	
23 05 29 00-0710		EA	3" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length	12.99	2.02
			For Work In Restricted Working Space, Add	*2.03*	
23 05 29 00-0711		EA	4" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length	14.43	2.07
			For Work In Restricted Working Space, Add	*2.07*	
23 05 29 00-0712		EA	6" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length	17.74	2.13
			For Work In Restricted Working Space, Add	*2.12*	
23 05 29 00-0713		EA	8" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length	20.74	2.18
			For Work In Restricted Working Space, Add	*2.17*	
23 05 29 00-0714		EA	10" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length	25.48	2.22
			For Work In Restricted Working Space, Add	*2.22*	
23 05 29 00-0715		EA	12" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length	32.91	2.25
			For Work In Restricted Working Space, Add	*2.24*	
23 05 29 00-0716		EA	14" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length	35.90	2.27
			For Work In Restricted Working Space, Add	*2.27*	
23 05 29 00-0717		EA	16" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length	49.69	2.30
			For Work In Restricted Working Space, Add	*2.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0718	EA	18" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length	55.92	2.32
		For Work In Restricted Working Space, Add	*2.32*	
23 05 29 00-0719	EA	20" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length	104.36	2.35
		For Work In Restricted Working Space, Add	*2.34*	
23 05 29 00-0720	EA	24" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length	113.49	2.39
		For Work In Restricted Working Space, Add	*2.39*	
23 05 29 00-0721	EA	30" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length	137.31	2.44
		For Work In Restricted Working Space, Add	*2.44*	

23 05 29 00-0722 Insulation Protection Shield (Cooper B-Line B3154) *(23 05 29 00-0705)*

Note: Type 40.

23 05 29 00-0723	EA	1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length	10.43	1.95
		For Work In Restricted Working Space, Add	*1.95*	
23 05 29 00-0724	EA	2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length	10.58	1.97
		For Work In Restricted Working Space, Add	*1.98*	
23 05 29 00-0725	EA	2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length	10.82	2.00
		For Work In Restricted Working Space, Add	*2.00*	
23 05 29 00-0726	EA	3" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length	11.28	2.02
		For Work In Restricted Working Space, Add	*2.03*	
23 05 29 00-0727	EA	4" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length	12.36	2.07
		For Work In Restricted Working Space, Add	*2.07*	
23 05 29 00-0728	EA	6" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length	14.81	2.13
		For Work In Restricted Working Space, Add	*2.12*	
23 05 29 00-0729	EA	8" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length	15.96	2.18
		For Work In Restricted Working Space, Add	*2.17*	
23 05 29 00-0730	EA	10" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length	20.51	2.22
		For Work In Restricted Working Space, Add	*2.22*	
23 05 29 00-0731	EA	12" Outside Diameter, 14 Gauge Insulation Protection Shield, 12" Length	24.75	2.25
		For Work In Restricted Working Space, Add	*2.24*	

23 05 29 00-0732 Pipe Covering Protection Saddle *(23 05 29 00-0704)*

Note: Type 39, sizes are pipe sizes.

23 05 29 00-0733 Saddle, For 1" Insulation (Cooper B-Line B3160) *(23 05 29 00-0732)*

Note: Type 39.

23 05 29 00-0734	EA	3/4" Pipe Saddle, Type 39 (For 1" Insulation)	18.39	2.68
		For Work In Restricted Working Space, Add	*2.69*	
23 05 29 00-0735	EA	1" Pipe Saddle, Type 39 (For 1" Insulation)	18.46	2.71
		For Work In Restricted Working Space, Add	*2.71*	
23 05 29 00-0736	EA	1-1/4" Pipe Saddle, Type 39 (For 1" Insulation)	18.55	2.73
		For Work In Restricted Working Space, Add	*2.73*	
23 05 29 00-0737	EA	1-1/2" Pipe Saddle, Type 39 (For 1" Insulation)	19.49	2.78
		For Work In Restricted Working Space, Add	*2.78*	
23 05 29 00-0738	EA	2" Pipe Saddle, Type 39 (For 1" Insulation)	19.57	2.80
		For Work In Restricted Working Space, Add	*2.80*	
23 05 29 00-0739	EA	2-1/2" Pipe Saddle, Type 39 (For 1" Insulation)	20.23	2.85
		For Work In Restricted Working Space, Add	*2.84*	
23 05 29 00-0740	EA	3" Pipe Saddle, Type 39 (For 1" Insulation)	22.62	2.89
		For Work In Restricted Working Space, Add	*2.89*	
23 05 29 00-0741	EA	4" Pipe Saddle, Type 39 (For 1" Insulation)	25.52	2.94
		For Work In Restricted Working Space, Add	*2.93*	
23 05 29 00-0742	EA	6" Pipe Saddle, Type 39 (For 1" Insulation)	28.81	3.02
		For Work In Restricted Working Space, Add	*3.03*	
23 05 29 00-0743	EA	8" Pipe Saddle, Type 39 (For 1" Insulation)	35.29	3.14
		For Work In Restricted Working Space, Add	*3.14*	
23 05 29 00-0744	EA	10" Pipe Saddle, Type 39 (For 1" Insulation)	39.59	3.18
		For Work In Restricted Working Space, Add	*3.19*	
23 05 29 00-0745	EA	12" Pipe Saddle, Type 39 (For 1" Insulation)	47.14	3.18
		For Work In Restricted Working Space, Add	*3.25*	
23 05 29 00-0746	EA	14" Pipe Saddle, Type 39 (For 1" Insulation)	51.57	3.30
		For Work In Restricted Working Space, Add	*3.30*	

23 05 29 00-0747 Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) *(23 05 29 00-0732)*

Note: Type 39.

23 05 29 00-0748	EA	3/4" Pipe Saddle, Type 39 (For 1-1/2" Insulation)	20.91	2.68
		For Work In Restricted Working Space, Add	*2.69*	
23 05 29 00-0749	EA	1" Pipe Saddle, Type 39 (For 1-1/2" Insulation)	20.98	2.71
		For Work In Restricted Working Space, Add	*2.71*	
23 05 29 00-0750	EA	1-1/4" Pipe Saddle, Type 39 (For 1-1/2" Insulation)	21.07	2.73
		For Work In Restricted Working Space, Add	*2.73*	
23 05 29 00-0751	EA	1-1/2" Pipe Saddle, Type 39 (For 1-1/2" Insulation)	21.84	2.78
		For Work In Restricted Working Space, Add	*2.78*	
23 05 29 00-0752	EA	2" Pipe Saddle, Type 39 (For 1-1/2" Insulation)	23.66	2.80
		For Work In Restricted Working Space, Add	*2.80*	
23 05 29 00-0753	EA	2-1/2" Pipe Saddle, Type 39 (For 1-1/2" Insulation)	25.56	2.85
		For Work In Restricted Working Space, Add	*2.84*	
23 05 29 00-0754	EA	3" Pipe Saddle, Type 39 (For 1-1/2" Insulation)	26.00	2.89
		For Work In Restricted Working Space, Add	*2.89*	
23 05 29 00-0755	EA	4" Pipe Saddle, Type 39 (For 1-1/2" Insulation)	29.67	2.89
		For Work In Restricted Working Space, Add	*2.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0756	EA	6" Pipe Saddle, Type 39 (For 1-1/2" Insulation)	33.51	3.02
		For Work In Restricted Working Space, Add	*3.03*	
23 05 29 00-0757	EA	8" Pipe Saddle, Type 39 (For 1-1/2" Insulation)	39.90	3.14
		For Work In Restricted Working Space, Add	*3.14*	
23 05 29 00-0758	EA	10" Pipe Saddle, Type 39 (For 1-1/2" Insulation)	45.03	3.18
		For Work In Restricted Working Space, Add	*3.19*	
23 05 29 00-0759	EA	12" Pipe Saddle, Type 39 (For 1-1/2" Insulation)	53.86	3.26
		For Work In Restricted Working Space, Add	*3.25*	
23 05 29 00-0760	EA	14" Pipe Saddle, Type 39 (For 1-1/2" Insulation)	59.11	3.30
		For Work In Restricted Working Space, Add	*3.30*	

23 05 29 00-0761 Saddle, For 2" Insulation (Cooper B-Line B3162) *(23 05 29 00-0732)*

Note: Type 39.

23 05 29 00-0762	EA	3/4" Pipe Saddle, Type 39 (For 2" Insulation)	22.39	2.82
		For Work In Restricted Working Space, Add	*2.82*	
23 05 29 00-0763	EA	1" Pipe Saddle, Type 39 (For 2" Insulation)	22.47	2.85
		For Work In Restricted Working Space, Add	*2.84*	
23 05 29 00-0764	EA	1-1/4" Pipe Saddle, Type 39 (For 2" Insulation)	23.72	2.87
		For Work In Restricted Working Space, Add	*2.87*	
23 05 29 00-0765	EA	1-1/2" Pipe Saddle, Type 39 (For 2" Insulation)	24.47	2.91
		For Work In Restricted Working Space, Add	*2.91*	
23 05 29 00-0766	EA	2" Pipe Saddle, Type 39 (For 2" Insulation)	25.12	2.94
		For Work In Restricted Working Space, Add	*2.93*	
23 05 29 00-0767	EA	2-1/2" Pipe Saddle, Type 39 (For 2" Insulation)	25.27	2.99
		For Work In Restricted Working Space, Add	*2.98*	
23 05 29 00-0768	EA	3" Pipe Saddle, Type 39 (For 2" Insulation)	26.79	3.03
		For Work In Restricted Working Space, Add	*3.03*	
23 05 29 00-0769	EA	4" Pipe Saddle, Type 39 (For 2" Insulation)	28.29	3.08
		For Work In Restricted Working Space, Add	*3.07*	
23 05 29 00-0770	EA	6" Pipe Saddle, Type 39 (For 2" Insulation)	36.44	3.17
		For Work In Restricted Working Space, Add	*3.19*	
23 05 29 00-0771	EA	8" Pipe Saddle, Type 39 (For 2" Insulation)	41.47	3.30
		For Work In Restricted Working Space, Add	*3.30*	
23 05 29 00-0772	EA	10" Pipe Saddle, Type 39 (For 2" Insulation)	43.61	3.35
		For Work In Restricted Working Space, Add	*3.35*	
23 05 29 00-0773	EA	12" Pipe Saddle, Type 39 (For 2" Insulation)	59.42	3.41
		For Work In Restricted Working Space, Add	*3.41*	
23 05 29 00-0774	EA	14" Pipe Saddle, Type 39 (For 2" Insulation)	65.98	3.47
		For Work In Restricted Working Space, Add	*3.46*	
23 05 29 00-0775	EA	16" Pipe Saddle, Type 39 (For 2" Insulation)	72.68	3.55
		For Work In Restricted Working Space, Add	*3.55*	
23 05 29 00-0776	EA	18" Pipe Saddle, Type 39 (For 2" Insulation)	79.39	3.64
		For Work In Restricted Working Space, Add	*3.64*	
23 05 29 00-0777	EA	20" Pipe Saddle, Type 39 (For 2" Insulation)	87.19	3.74
		For Work In Restricted Working Space, Add	*3.73*	
23 05 29 00-0778	EA	24" Pipe Saddle, Type 39 (For 2" Insulation)	100.10	3.82
		For Work In Restricted Working Space, Add	*3.82*	

23 05 29 00-0779 Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) *(23 05 29 00-0732)*

Note: Type 39.

23 05 29 00-0780	EA	1-1/4" Pipe Saddle, Type 39 (For 2-1/2" Insulation)	25.21	2.94
		For Work In Restricted Working Space, Add	*2.93*	
23 05 29 00-0781	EA	1-1/2" Pipe Saddle, Type 39 (For 2-1/2" Insulation)	26.67	2.98
		For Work In Restricted Working Space, Add	*2.98*	
23 05 29 00-0782	EA	2" Pipe Saddle, Type 39 (For 2-1/2" Insulation)	27.42	3.01
		For Work In Restricted Working Space, Add	*3.00*	
23 05 29 00-0783	EA	2-1/2" Pipe Saddle, Type 39 (For 2-1/2" Insulation)	28.24	3.05
		For Work In Restricted Working Space, Add	*3.05*	
23 05 29 00-0784	EA	3" Pipe Saddle, Type 39 (For 2-1/2" Insulation)	28.46	3.11
		For Work In Restricted Working Space, Add	*3.12*	
23 05 29 00-0785	EA	4" Pipe Saddle, Type 39 (For 2-1/2" Insulation)	33.34	3.15
		For Work In Restricted Working Space, Add	*3.16*	
23 05 29 00-0786	EA	6" Pipe Saddle, Type 39 (For 2-1/2" Insulation)	38.37	3.26
		For Work In Restricted Working Space, Add	*3.25*	
23 05 29 00-0787	EA	8" Pipe Saddle, Type 39 (For 2-1/2" Insulation)	44.95	3.38
		For Work In Restricted Working Space, Add	*3.37*	
23 05 29 00-0788	EA	10" Pipe Saddle, Type 39 (For 2-1/2" Insulation)	48.27	3.43
		For Work In Restricted Working Space, Add	*3.44*	
23 05 29 00-0789	EA	12" Pipe Saddle, Type 39 (For 2-1/2" Insulation)	60.96	3.49
		For Work In Restricted Working Space, Add	*3.50*	
23 05 29 00-0790	EA	14" Pipe Saddle, Type 39 (For 2-1/2" Insulation)	72.74	3.55
		For Work In Restricted Working Space, Add	*3.55*	
23 05 29 00-0791	EA	16" Pipe Saddle, Type 39 (For 2-1/2" Insulation)	84.67	3.63
		For Work In Restricted Working Space, Add	*3.64*	
23 05 29 00-0792	EA	18" Pipe Saddle, Type 39 (For 2-1/2" Insulation)	90.01	3.73
		For Work In Restricted Working Space, Add	*3.73*	
23 05 29 00-0793	EA	20" Pipe Saddle, Type 39 (For 2-1/2" Insulation)	95.98	3.82
		For Work In Restricted Working Space, Add	*3.82*	
23 05 29 00-0794	EA	24" Pipe Saddle, Type 39 (For 2-1/2" Insulation)	101.96	3.91
		For Work In Restricted Working Space, Add	*3.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0795		**Saddle, For 3" Insulation (Cooper B-Line B3164)** *(23 05 29 00-0732)* Note: Type 39.		
23 05 29 00-0796	EA	2" Pipe Saddle, Type 39 (For 3" Insulation)	28.38	3.08
		For Work In Restricted Working Space, Add	*3.07*	
23 05 29 00-0797	EA	2-1/2" Pipe Saddle, Type 39 (For 3" Insulation)	31.10	3.13
		For Work In Restricted Working Space, Add	*3.14*	
23 05 29 00-0798	EA	3" Pipe Saddle, Type 39 (For 3" Insulation)	32.51	3.17
		For Work In Restricted Working Space, Add	*3.19*	
23 05 29 00-0799	EA	4" Pipe Saddle, Type 39 (For 3" Insulation)	33.91	3.23
		For Work In Restricted Working Space, Add	*3.23*	
23 05 29 00-0800	EA	6" Pipe Saddle, Type 39 (For 3" Insulation)	39.21	3.33
		For Work In Restricted Working Space, Add	*3.32*	
23 05 29 00-0801	EA	8" Pipe Saddle, Type 39 (For 3" Insulation)	49.65	3.45
		For Work In Restricted Working Space, Add	*3.46*	
23 05 29 00-0802	EA	10" Pipe Saddle, Type 39 (For 3" Insulation)	53.97	3.50
		For Work In Restricted Working Space, Add	*3.50*	
23 05 29 00-0803	EA	12" Pipe Saddle, Type 39 (For 3" Insulation)	70.92	3.58
		For Work In Restricted Working Space, Add	*3.57*	
23 05 29 00-0804	EA	14" Pipe Saddle, Type 39 (For 3" Insulation)	85.12	3.63
		For Work In Restricted Working Space, Add	*3.64*	
23 05 29 00-0805	EA	16" Pipe Saddle, Type 39 (For 3" Insulation)	99.31	3.72
		For Work In Restricted Working Space, Add	*3.71*	
23 05 29 00-0806	EA	18" Pipe Saddle, Type 39 (For 3" Insulation)	101.19	3.82
		For Work In Restricted Working Space, Add	*3.82*	
23 05 29 00-0807	EA	20" Pipe Saddle, Type 39 (For 3" Insulation)	103.01	3.91
		For Work In Restricted Working Space, Add	*3.92*	
23 05 29 00-0808	EA	24" Pipe Saddle, Type 39 (For 3" Insulation)	131.43	4.00
		For Work In Restricted Working Space, Add	*4.01*	
23 05 29 00-0809		**Saddle, For 4" Insulation (Cooper B-Line B3165)** *(23 05 29 00-0732)* Note: Type 39.		
23 05 29 00-0810	EA	2" Pipe Saddle, Type 39 (For 4" Insulation)	32.23	3.14
		For Work In Restricted Working Space, Add	*3.14*	
23 05 29 00-0811	EA	2-1/2" Pipe Saddle, Type 39 (For 4" Insulation)	35.47	3.21
		For Work In Restricted Working Space, Add	*3.21*	
23 05 29 00-0812	EA	3" Pipe Saddle, Type 39 (For 4" Insulation)	37.10	3.26
		For Work In Restricted Working Space, Add	*3.25*	
23 05 29 00-0813	EA	4" Pipe Saddle, Type 39 (For 4" Insulation)	38.83	3.30
		For Work In Restricted Working Space, Add	*3.30*	
23 05 29 00-0814	EA	6" Pipe Saddle, Type 39 (For 4" Insulation)	47.84	3.41
		For Work In Restricted Working Space, Add	*3.41*	
23 05 29 00-0815	EA	8" Pipe Saddle, Type 39 (For 4" Insulation)	56.85	3.53
		For Work In Restricted Working Space, Add	*3.53*	
23 05 29 00-0816	EA	10" Pipe Saddle, Type 39 (For 4" Insulation)	58.80	3.58
		For Work In Restricted Working Space, Add	*3.59*	
23 05 29 00-0817	EA	12" Pipe Saddle, Type 39 (For 4" Insulation)	75.87	3.66
		For Work In Restricted Working Space, Add	*3.66*	
23 05 29 00-0818	EA	14" Pipe Saddle, Type 39 (For 4" Insulation)	92.65	3.71
		For Work In Restricted Working Space, Add	*3.71*	
23 05 29 00-0819	EA	16" Pipe Saddle, Type 39 (For 4" Insulation)	109.59	3.81
		For Work In Restricted Working Space, Add	*3.80*	
23 05 29 00-0820	EA	18" Pipe Saddle, Type 39 (For 4" Insulation)	134.58	3.90
		For Work In Restricted Working Space, Add	*3.89*	
23 05 29 00-0821	EA	20" Pipe Saddle, Type 39 (For 4" Insulation)	159.45	4.00
		For Work In Restricted Working Space, Add	*4.01*	
23 05 29 00-0822	EA	24" Pipe Saddle, Type 39 (For 4" Insulation)	170.72	4.09
		For Work In Restricted Working Space, Add	*4.10*	
23 05 29 00-0823	EA	30" Pipe Saddle, Type 39 (For 4" Insulation)	179.74	4.21
		For Work In Restricted Working Space, Add	*4.21*	
23 05 29 00-0824	EA	36" Pipe Saddle, Type 39 (For 4" Insulation)	186.41	4.31
		For Work In Restricted Working Space, Add	*4.30*	
23 05 29 00-0825		**Adjustable Pipe Saddle Support (Cooper B-Line B3096)** *(23 05 29 00-0704)* Note: Type 38.		
23 05 29 00-0826	EA	2" Adjustable Pipe Saddle Support, Type 38	73.40	10.16
23 05 29 00-0827	EA	3" Adjustable Pipe Saddle Support, Type 38	77.54	11.79
23 05 29 00-0828	EA	4" Adjustable Pipe Saddle Support, Type 38	94.40	13.42
23 05 29 00-0829	EA	5" Adjustable Pipe Saddle Support, Type 38	98.28	14.63
23 05 29 00-0830	EA	6" Adjustable Pipe Saddle Support, Type 38	109.04	16.27
23 05 29 00-0831	EA	8" Adjustable Pipe Saddle Support, Type 38	123.44	20.34
23 05 29 00-0832	EA	10" Adjustable Pipe Saddle Support, Type 38	161.28	27.24
23 05 29 00-0833	EA	12" Adjustable Pipe Saddle Support, Type 38	197.26	40.66
23 05 29 00-0834		**Pipe Stanchion Support (Cooper B-Line B3090)** *(23 05 29 00-0704)* Note: Type 37.		
23 05 29 00-0835	EA	2-1/2" Pipe Support With U-Bolt, Type 37	91.53	10.16
23 05 29 00-0836	EA	3" Pipe Support With U-Bolt, Type 37	94.43	11.79
23 05 29 00-0837	EA	3-1/2" Pipe Support With U-Bolt, Type 37	101.13	12.61
23 05 29 00-0838	EA	4" Pipe Support With U-Bolt, Type 37	103.03	13.42
23 05 29 00-0839	EA	5" Pipe Support With U-Bolt, Type 37	108.22	14.63

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0840	EA	6" Pipe Support With U-Bolt, Type 37	114.51	16.27
23 05 29 00-0841	EA	8" Pipe Support With U-Bolt, Type 37	145.51	20.34
23 05 29 00-0842	EA	10" Pipe Support With U-Bolt, Type 37	196.39	27.24
23 05 29 00-0843	EA	12" Pipe Support With U-Bolt, Type 37	255.38	40.66
23 05 29 00-0844		Pipe Saddle Support (Cooper B-Line B3095) *(23 05 29 00-0704)*		
		Note: Type 36.		
23 05 29 00-0845	EA	2-1/2" Pipe Saddle Support, Type 36	45.57	10.16
23 05 29 00-0846	EA	3" Pipe Saddle Support, Type 36	48.47	11.79
23 05 29 00-0847	EA	3-1/2" Pipe Saddle Support, Type 36	74.48	12.61
23 05 29 00-0848	EA	4" Pipe Saddle Support, Type 36	76.38	13.42
23 05 29 00-0849	EA	5" Pipe Saddle Support, Type 36	84.05	14.63
23 05 29 00-0850	EA	6" Pipe Saddle Support, Type 36	93.16	16.27
23 05 29 00-0851	EA	8" Pipe Saddle Support, Type 36	106.38	20.34
23 05 29 00-0852	EA	10" Pipe Saddle Support, Type 36	123.13	27.24
23 05 29 00-0853	EA	12" Pipe Saddle Support, Type 36	153.70	40.66
23 05 29 00-0854		360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-0704)*		
		Note: Insert is for use as isolated protective insulation at hangers.		
23 05 29 00-0855		1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-0854)*		
23 05 29 00-0856	EA	1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	11.84	5.34
23 05 29 00-0857	EA	3/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	12.02	5.34
23 05 29 00-0858	EA	1" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	12.07	5.34
23 05 29 00-0859	EA	1-1/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	12.26	5.34
23 05 29 00-0860	EA	1-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	13.11	5.67
23 05 29 00-0861	EA	2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	13.68	5.83
23 05 29 00-0862	EA	2-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	14.33	6.07
23 05 29 00-0863	EA	3" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	15.05	6.32
23 05 29 00-0864	EA	4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	16.26	6.56
23 05 29 00-0865	EA	6" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	16.86	5.67
23 05 29 00-0866	EA	8" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	25.56	7.39
23 05 29 00-0867	EA	10" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	30.20	8.70
23 05 29 00-0868	EA	12" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	34.49	10.10
23 05 29 00-0869	EA	14" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	38.53	10.42
23 05 29 00-0870		1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-0854)*		
23 05 29 00-0871	EA	1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	10.01	4.02
23 05 29 00-0872	EA	3/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	10.94	4.02
23 05 29 00-0873	EA	1" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	11.17	4.11
23 05 29 00-0874	EA	1-1/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	11.53	4.19
23 05 29 00-0875	EA	1-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	11.87	4.19
23 05 29 00-0876	EA	2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	12.46	4.35
23 05 29 00-0877	EA	2-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	13.14	4.51
23 05 29 00-0878	EA	3" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	13.51	4.60
23 05 29 00-0879	EA	4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	14.84	5.00
23 05 29 00-0880	EA	6" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	22.47	8.62
23 05 29 00-0881	EA	8" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	19.93	6.48
23 05 29 00-0882	EA	10" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	24.07	7.63
23 05 29 00-0883	EA	12" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	27.38	8.78
23 05 29 00-0884	EA	14" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	32.38	10.59
23 05 29 00-0885		2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-0854)*		
23 05 29 00-0886	EA	1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	13.61	4.60
23 05 29 00-0887	EA	3/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	13.76	4.60
23 05 29 00-0888	EA	1" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	14.20	4.68
23 05 29 00-0889	EA	1-1/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	14.58	4.76
23 05 29 00-0890	EA	1-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	14.99	4.84
23 05 29 00-0891	EA	2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	15.57	5.00
23 05 29 00-0892	EA	2-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	16.37	5.17
23 05 29 00-0893	EA	3" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	17.13	5.34
23 05 29 00-0894	EA	4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	18.78	5.67
23 05 29 00-0895	EA	6" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	21.46	6.40
23 05 29 00-0896	EA	8" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	33.67	10.91
23 05 29 00-0897	EA	10" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	37.03	12.64
23 05 29 00-0898	EA	12" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	42.84	14.94
23 05 29 00-0899	EA	14" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	48.05	16.74
23 05 29 00-0900	EA	16" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	53.71	18.88
23 05 29 00-0901	EA	18" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	61.71	22.16
23 05 29 00-0902	EA	20" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	68.53	24.62
23 05 29 00-0903	EA	24" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	77.45	27.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0904		**2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate** *(23 05 29 00-0854)*		
23 05 29 00-0905	EA	1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	15.60	5.34
23 05 29 00-0906	EA	3/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	15.77	5.34
23 05 29 00-0907	EA	1" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	16.31	5.42
23 05 29 00-0908	EA	1-1/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	16.70	5.50
23 05 29 00-0909	EA	1-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	17.11	5.50
23 05 29 00-0910	EA	2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	17.82	5.75
23 05 29 00-0911	EA	2-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	18.73	5.91
23 05 29 00-0912	EA	3" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	19.58	6.15
23 05 29 00-0913	EA	4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	21.45	6.48
23 05 29 00-0914	EA	6" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	24.55	7.39
23 05 29 00-0915	EA	8" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	31.71	8.20
23 05 29 00-0916	EA	10" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	37.64	9.44
23 05 29 00-0917	EA	12" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	43.45	11.74
23 05 29 00-0918	EA	14" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	48.83	12.89
23 05 29 00-0919	EA	16" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	58.33	16.42
23 05 29 00-0920	EA	18" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	62.45	17.24
23 05 29 00-0921	EA	20" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	70.96	19.70
23 05 29 00-0922	EA	24" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	83.89	23.80
23 05 29 00-0923		**3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate** *(23 05 29 00-0854)*		
23 05 29 00-0924	EA	1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	27.70	5.50
23 05 29 00-0925	EA	3/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	32.84	5.75
23 05 29 00-0926	EA	1" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	34.03	5.75
23 05 29 00-0927	EA	1-1/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	34.81	5.91
23 05 29 00-0928	EA	1-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	35.74	6.07
23 05 29 00-0929	EA	2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	36.77	6.15
23 05 29 00-0930	EA	2-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	38.66	6.32
23 05 29 00-0931	EA	3" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	40.32	6.73
23 05 29 00-0932	EA	4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	44.31	6.98
23 05 29 00-0933	EA	6" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	50.67	8.54
23 05 29 00-0934	EA	8" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	64.74	9.35
23 05 29 00-0935	EA	10" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	76.86	9.85
23 05 29 00-0936	EA	12" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	88.62	12.72
23 05 29 00-0937	EA	14" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	99.59	13.54
23 05 29 00-0938	EA	16" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	120.01	18.06
23 05 29 00-0939	EA	18" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	129.16	19.70
23 05 29 00-0940	EA	20" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	146.19	21.34
23 05 29 00-0941	EA	24" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	171.83	26.27
23 05 29 00-0942		**3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate** *(23 05 29 00-0854)*		
23 05 29 00-0943	EA	1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	15.60	5.34
23 05 29 00-0944	EA	3/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	18.86	6.48
23 05 29 00-0945	EA	1" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	19.60	6.48
23 05 29 00-0946	EA	1-1/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	20.04	6.56
23 05 29 00-0947	EA	1-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	20.59	6.64
23 05 29 00-0948	EA	2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	21.33	6.90
23 05 29 00-0949	EA	2-1/2" Diameter Pipe, 3-1/2" 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	22.45	7.14
23 05 29 00-0950	EA	3" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	23.43	7.39
23 05 29 00-0951	EA	4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	25.76	7.79
23 05 29 00-0952	EA	6" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	29.45	8.86
23 05 29 00-0953	EA	8" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	38.02	9.85
23 05 29 00-0954	EA	10" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	45.16	11.33
23 05 29 00-0955	EA	12" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	52.13	14.11
23 05 29 00-0956	EA	14" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	58.61	15.43
23 05 29 00-0957	EA	16" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	70.00	19.70
23 05 29 00-0958	EA	18" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	74.94	20.68
23 05 29 00-0959	EA	20" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	85.20	23.64
23 05 29 00-0960	EA	24" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	100.67	28.56
23 05 29 00-0961		**4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate** *(23 05 29 00-0854)*		
23 05 29 00-0962	EA	1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	21.03	7.22
23 05 29 00-0963	EA	3/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	21.27	7.22
23 05 29 00-0964	EA	1" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	22.01	7.31
23 05 29 00-0965	EA	1-1/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	22.60	7.39
23 05 29 00-0966	EA	1-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	23.02	7.39
23 05 29 00-0967	EA	2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	24.31	7.88
23 05 29 00-0968	EA	2-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	25.24	7.96
23 05 29 00-0969	EA	3" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	26.44	8.29
23 05 29 00-0970	EA	4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	28.96	8.78
23 05 29 00-0971	EA	6" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	33.11	9.93
23 05 29 00-0972	EA	8" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	42.15	10.75

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0973	EA	10" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	50.82	12.81
23 05 29 00-0974	EA	12" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	58.66	15.93
23 05 29 00-0975	EA	14" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	65.95	17.32
23 05 29 00-0976	EA	16" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	78.79	22.16
23 05 29 00-0977	EA	18" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	84.26	23.23
23 05 29 00-0978	EA	20" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	94.86	26.59
23 05 29 00-0979	EA	24" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	113.28	32.18
23 05 29 00-0980	EA	26" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	129.63	37.83
23 05 29 00-0981	EA	28" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	148.09	44.65
23 05 29 00-0982	EA	30" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	168.34	52.77
23 05 29 00-0983	EA	42" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	243.00	81.50
23 05 29 00-0984	EA	44" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	262.40	89.71
23 05 29 00-0985	EA	46" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	280.04	96.85

23 05 29 00-0986 Equipment Housekeeping Pads *(23 05 29)*

See CSI section 03 31 13 00-0108 for Concrete Equipment Pads.

23 05 29 00-0987 Molded Plastic Condenser Pad *(23 05 29 00-0986)*

23 05 29 00-0988	EA	30" Round Molded Plastic Pad	50.90	10.16
23 05 29 00-0989	EA	30" Octagon Molded Plastic Pad	52.91	10.16
23 05 29 00-0990	EA	30" x 30" Molded Plastic Pad	50.90	10.16
23 05 29 00-0991	EA	36" x 36" Molded Plastic Pad	62.95	10.16
23 05 29 00-0992	EA	36" x 48" Molded Plastic Pad	85.50	10.16

23 05 29 00-0993 Inertia Base *(23 05 29 00-0986)*

Note: Includes spring isolators.

23 05 29 00-0994	EA	Up To 12 SF Inertia Base, 8" Thick With Spring Base	648.26	
23 05 29 00-0995	EA	>12 To 16 SF Inertia Base, 8" Thick With Spring Base	780.48	
23 05 29 00-0996	EA	>16 To 20 SF Inertia Base, 8" Thick With Spring Base	893.78	
23 05 29 00-0997	EA	>20 To 24 SF Inertia Base, 8" Thick With Spring Base	1,019.70	

23 05 29 00-0998 Hanger Assemblies *(23 05 29)*

Note: Includes hanger, rod, nuts, washers, clamps, upper attachment, etc. Not for use where detail is available.

23 05 29 00-0999	EA	1/2" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	35.04	12.64
		For Work In Restricted Working Space, Add	*8.14*	
23 05 29 00-1000	EA	3/4" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	36.60	13.39
		For Work In Restricted Working Space, Add	*8.58*	
23 05 29 00-1001	EA	1" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	37.82	14.18
		For Work In Restricted Working Space, Add	*8.93*	
23 05 29 00-1002	EA	1-1/4" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	38.51	14.20
		For Work In Restricted Working Space, Add	*9.07*	
23 05 29 00-1003	EA	1-1/2" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	38.71	14.20
		For Work In Restricted Working Space, Add	*9.07*	
23 05 29 00-1004	EA	2" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	39.57	14.31
		For Work In Restricted Working Space, Add	*9.20*	
23 05 29 00-1005	EA	2-1/2" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	46.00	15.35
		For Work In Restricted Working Space, Add	*9.38*	
23 05 29 00-1006	EA	3" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	47.53	15.79
		For Work In Restricted Working Space, Add	*9.53*	
23 05 29 00-1007	EA	4" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	57.09	17.83
		For Work In Restricted Working Space, Add	*10.52*	
23 05 29 00-1008	EA	6" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	84.46	23.04
		For Work In Restricted Working Space, Add	*13.82*	
23 05 29 00-1009	EA	8" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	98.68	26.73
		For Work In Restricted Working Space, Add	*16.03*	
23 05 29 00-1010	EA	10" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	136.78	33.95
		For Work In Restricted Working Space, Add	*20.12*	
23 05 29 00-1011	EA	12" Clevis Hanger Assembly For Uninsulated Pipe Note: Includes hanger, rod, nuts, washers and clamp.	150.91	36.53
		For Work In Restricted Working Space, Add	*21.96*	

23 05 29 00-1012 Steel Shapes For Hanger Devices *(23 05 29)*

23 05 29 00-1013 Angle Iron *(23 05 29 00-1012)*

23 05 29 00-1014	LF	1/2" x 1/2" x 1/8" Angle Iron	1.83	1.18
23 05 29 00-1015	LF	3/4" x 3/4" x 1/8" Angle Iron	2.38	1.47
23 05 29 00-1016	LF	1" x 1" x 1/8" Angle Iron	2.92	1.76
23 05 29 00-1017	LF	1-1/4" x 1-1/4" x 3/16" Angle Iron	3.96	2.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1018	LF	1-1/2" x 1-1/2" x 3/16" Angle Iron	4.39	2.36
23 05 29 00-1019	LF	2" x 2" x 1/4" Angle Iron	5.76	2.65
23 05 29 00-1020	LF	2-1/2" x 2-1/2" x 1/4" Angle Iron	7.15	3.22
23 05 29 00-1021	LF	3" x 2" x 3/8" Angle Iron	9.16	3.79
23 05 29 00-1022	LF	3" x 3" x 3/8" Angle Iron	10.92	4.42
23 05 29 00-1023		Channels *(23 05 29 00-1012)*		
23 05 29 00-1024	LF	C2 X 1.78 - 2" Wide (Channels)	8.77	5.84
23 05 29 00-1025	LF	C3 X 4.1 - 3" Wide (Channels)	12.49	8.57
23 05 29 00-1026	LF	C4 X 5.4 - 4" Wide (Channels)	15.11	10.52
23 05 29 00-1027	LF	C5 X 6.7 - 5" Wide (Channels)	17.73	12.08
23 05 29 00-1028	LF	C6 X 8.2 - 6" Wide (Channels)	19.19	12.86
23 05 29 00-1029	LF	C7 X 9.8 - 7" Wide (Channels)	25.60	17.52
23 05 29 00-1030	LF	C8 X 11.5 - 8" Wide (Channels)	28.30	19.08
23 05 29 00-1031		Structural Bar Tees *(23 05 29 00-1012)*		
23 05 29 00-1032	LF	3/4" x 3/4" x 1/8" Structural Bar Tee	6.29	4.29
23 05 29 00-1033	LF	1" x 1" x 1/8" Structural Bar Tee	7.56	5.06
23 05 29 00-1034	LF	1-1/2" x 1-1/2" x 1/4" Structural Bar Tee	10.25	5.84
23 05 29 00-1035	LF	2" x 2" x 1/4" Structural Bar Tee	13.21	7.79
23 05 29 00-1036	LF	2-1/2" x 2-1/2" x 3/8" Structural Bar Tee	17.61	9.35
23 05 29 00-1037	LF	3" x 3" x 3/8" Structural Bar Tee	22.16	12.08
23 05 29 00-1038		Structural Zees *(23 05 29 00-1012)*		
23 05 29 00-1039	LF	1-1/4" x 1-3/4" x 1-3/4" Structural Zee	10.26	5.84
23 05 29 00-1040	LF	2-11/16" x 3" x 2-11/16" Structural Zee	11.83	5.84
23 05 29 00-1041	LF	3-1/16" x 4" x 3-1/16" Structural Zee	16.99	5.84
23 05 29 00-1042	LF	3-1/4" x 5" x 3-1/4" Structural Zee	21.07	5.84
23 05 29 00-1043	LF	3-1/2" x 6" x 3-1/2" Structural Zee	25.14	5.84
23 05 29 00-1044		Junior I-beams *(23 05 29 00-1012)*		
23 05 29 00-1045	LF	3" I-beam (Junior)	13.22	8.57
23 05 29 00-1046	LF	4" I-beam (Junior)	15.04	9.35
23 05 29 00-1047	LF	5" I-beam (Junior)	17.11	10.13
23 05 29 00-1048	LF	6" I-beam (Junior)	18.66	11.30
23 05 29 00-1049	LF	7" I-beam (Junior)	21.66	12.08
23 05 29 00-1050	LF	8" I-beam (Junior)	23.40	12.86

23 05 33 Heat Tracing For HVAC Piping *(23 05)*

See CSI section 23 83 13 00-0000 for heat tracing cables.

23 05 48 Vibration And Seismic Controls For HVAC *(23 05)*

23 05 48 00-0001 Unhoused Stable Steel Spring Isolators *(23 05 48)*

Note: Includes leveling adjustment, cast top, base plate and pad. For use with floor mounted equipment only.

23 05 48 00-0002	EA	60 LB Unhoused Steel Spring Isolator	85.85	22.76
23 05 48 00-0003	EA	115 LB Unhoused Steel Spring Isolator	92.36	22.76
23 05 48 00-0004	EA	1130 LB Unhoused Steel Spring Isolator	113.96	22.76

23 05 48 00-0005 Vibration Isolators *(23 05 48)*

23 05 48 00-0006 Spring And Rubber Hanger For 1" Deflection *(23 05 48 00-0005)*

23 05 48 00-0007	EA	50-500 LB Rated Spring And Rubber Hanger For Vibration Isolation With 3/4" Max Rod Size	124.90	14.63
23 05 48 00-0008	EA	600-1,000 LB Rated Spring And Rubber Hanger For Vibration Isolation With 7/8" Max Rod Size	273.60	16.27

23 05 48 00-0009 Rubber-In-Shear Isolator Hanger *(23 05 48 00-0005)*

23 05 48 00-0010	EA	45-340 LB Rubber In Shear Hanger 0.38" Deflection With <1/2" Rod Size	66.35	12.20
23 05 48 00-0011	EA	130-700 LB Rubber In Shear Hanger 0.43" Deflection With <3/4" Rod Size	86.91	14.63

23 05 48 00-0012 Spring Hanger For 1" Deflection *(23 05 48 00-0005)*

23 05 48 00-0013	EA	50 To 1,000 LB Rubber In Shear Hanger For 1" Deflection With <3/4" Rod Size	74.68	14.63

23 05 48 00-0014 Rubber-In-Shear Vibration Isolator *(23 05 48 00-0005)*

23 05 48 00-0015	EA	45-340 LB Rubber In Shear Vibration Isolation With 0.38" Deflection	137.12	27.65
23 05 48 00-0016	EA	130-700 LB Rubber In Shear Vibration Isolation With 0.43" Deflection	194.77	27.65
23 05 48 00-0017	EA	550-1,920 LB Rubber In Shear Vibration Isolation With 0.48" Deflection	392.61	27.65

23 05 48 00-0018 Two-Piece Spring Type Vibration Isolator *(23 05 48 00-0005)*

Note: For equipment support aluminum construction 1/2" adjusting and leveling bolt 1" deflection.

23 05 48 00-0019	EA	50 - 1,000 LB Rated Load 2-Piece Isolator Spring Type Vibration Isolator	112.83	27.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 00-0020	EA	>1,000 - 1,600 LB Rated Load 2-Piece Isolator Spring Type Vibration Isolator	117.12	27.65
23 05 48 00-0021		**Open Double Spring Type Vibration Isolator** *(23 05 48 00-0005)*		
		Note: For equipment support 1" deflection neoprene pad and 5/8" stud bolt.		
23 05 48 00-0022	EA	150-450 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	93.68	13.83
23 05 48 00-0023	EA	500-1,000 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	93.68	13.83
23 05 48 00-0024	EA	1,100-1,600 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	108.00	13.83
23 05 48 00-0025	EA	1,700-2,400 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	108.00	13.83
23 05 48 00-0026	EA	2,500-3,400 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	172.77	13.83
23 05 48 00-0027		**Isolation Pads** *(23 05 48 00-0005)*		
23 05 48 00-0028		**Laminated Neoprene And Cork Isolation Pad** *(23 05 48 00-0027)*		
23 05 48 00-0029	EA	2" x 2", 1" Thick Laminated Neoprene And Cork Isolation Pad	5.27	2.03
23 05 48 00-0030	EA	3" x 3", 1" Thick Laminated Neoprene And Cork Isolation Pad	7.13	2.12
23 05 48 00-0031	EA	4" x 4", 1" Thick Laminated Neoprene And Cork Isolation Pad	9.25	2.20
23 05 48 00-0032	EA	12" x 12", 1" Thick Laminated Neoprene And Cork Isolation Pad	41.39	2.52
23 05 48 00-0033	EA	18" x 18", 1" Thick Laminated Neoprene And Cork Isolation Pad	80.77	2.85
23 05 48 00-0034		**Neoprene And Steel Plate Isolation Pad** *(23 05 48 00-0027)*		
23 05 48 00-0035	EA	6" x 4", 5/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad	31.09	2.03
23 05 48 00-0036	EA	6" x 4", 7/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad	34.06	2.03
23 05 48 00-0037		**Neoprene Isolation Pad** *(23 05 48 00-0027)*		
23 05 48 00-0038	EA	2" x 2", 3/8" Thick Ribbed Neoprene Isolation Pad	4.81	2.03
23 05 48 00-0039	EA	3" x 3", 3/8" Thick Ribbed Neoprene Isolation Pad	5.64	2.03
23 05 48 00-0040	EA	4" x 4", 3/8" Thick Ribbed Neoprene Isolation Pad	6.98	2.03
23 05 48 00-0041	EA	12" x 12", 3/8" Thick Ribbed Neoprene Isolation Pad	40.69	2.44
23 05 48 00-0042	EA	18" x 18", 3/8" Thick Ribbed Neoprene Isolation Pad	75.77	2.85
23 05 48 00-0043		**Threaded Flexible Bronze Hose Connectors** *(23 05 48)*		
		Note: Includes hex threaded nipple ends.		
23 05 48 00-0044	EA	3/8" Diameter x 9" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	63.24	13.01
23 05 48 00-0045	EA	1/2" Diameter x 10" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	72.36	17.89
23 05 48 00-0046	EA	3/4" Diameter x 11" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	89.05	21.96
23 05 48 00-0047	EA	1" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	103.24	26.03
23 05 48 00-0048	EA	1-1/4" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	117.96	34.15
23 05 48 00-0049	EA	1-1/2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	132.51	36.35
23 05 48 00-0050	EA	2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	179.01	43.11
23 05 48 00-0051	EA	2-1/2" Diameter x 16" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	250.70	67.18
23 05 48 00-0052		**Flanged Flexible Hose Connectors** *(23 05 48)*		
23 05 48 00-0053		**Flanged Flexible Molded Rubber Hose Connectors** *(23 05 48 00-0052)*		
		Note: With helical wire reinforcement 150 PSI.		
23 05 48 00-0054	EA	1-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	191.17	61.00
23 05 48 00-0055	EA	2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	205.99	67.74
23 05 48 00-0056	EA	3" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	438.76	201.29
23 05 48 00-0057	EA	4" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	573.89	259.85
23 05 48 00-0058	EA	6" Diameter x 18" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	765.14	274.15
23 05 48 00-0059	EA	8" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	939.64	313.12
23 05 48 00-0060	EA	10" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	1,232.73	372.62
23 05 48 00-0061	EA	12" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	2,794.62	466.05
23 05 48 00-0062		**Flanged Flexible Corrugated Stainless Steel Hose Connectors** *(23 05 48 00-0052)*		
		Note: With braided metal wire.		
23 05 48 00-0063	EA	1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	144.85	55.47
23 05 48 00-0064	EA	1" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	129.41	76.28
23 05 48 00-0065	EA	1-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	271.20	101.66
23 05 48 00-0066	EA	2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	341.63	152.49
23 05 48 00-0067	EA	2-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	365.49	167.78
23 05 48 00-0068	EA	3" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	420.71	203.16
23 05 48 00-0069	EA	4" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	538.56	260.09
23 05 48 00-0070	EA	6" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,030.91	383.81
23 05 48 00-0071	EA	8" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,299.55	438.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 00-0072	EA	10" Diameter x 13" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,533.87	507.21
23 05 48 00-0073	EA	12" Diameter x 14" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	2,023.48	548.30
23 05 48 00-0074		**Flanged Flexible Molded Teflon Hose Connectors** *(23 05 48 00-0052)* Note: 150 PSI.		
23 05 48 00-0075	EA	2-1/2" Diameter x 3-3/16" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	987.05	167.78
23 05 48 00-0076	EA	3" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,116.83	202.91
23 05 48 00-0077	EA	4" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,590.37	260.09
23 05 48 00-0078	EA	6" Diameter x 4" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,866.41	274.15
23 05 48 00-0079	EA	8" Diameter x 6" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	2,476.09	313.12
23 05 48 00-0080		**Flexible Hose Connectors Braided Metal Hose Type, Bronze** *(23 05 48)*		
23 05 48 00-0081		**Braided Metal Hose Type Flexible Bronze Hose Connectors** *(23 05 48 00-0080)* Note: MPT connection.		
23 05 48 00-0082	EA	1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	36.92	1.62
23 05 48 00-0083	EA	1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	44.39	1.62
23 05 48 00-0084	EA	1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	49.10	2.11
23 05 48 00-0085	EA	1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	60.12	2.11
23 05 48 00-0086	EA	3/4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	49.61	1.95
23 05 48 00-0087	EA	3/4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	60.28	1.95
23 05 48 00-0088	EA	3/4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	68.66	2.52
23 05 48 00-0089	EA	3/4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	85.28	2.52
23 05 48 00-0090	EA	1" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	67.97	2.28
23 05 48 00-0091	EA	1" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	74.52	2.28
23 05 48 00-0092	EA	1" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	88.27	3.01
23 05 48 00-0093	EA	1" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	112.57	3.01
23 05 48 00-0094	EA	1" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	136.69	3.01
23 05 48 00-0095	EA	1" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	160.88	3.01
23 05 48 00-0096	EA	1-1/4" Or 1-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	97.11	2.92
23 05 48 00-0097	EA	1-1/4" Or 1-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	107.31	2.92
23 05 48 00-0098	EA	1-1/4" Or 1-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	138.40	2.92
23 05 48 00-0099	EA	1-1/4" Or 1-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	192.58	3.89
23 05 48 00-0100	EA	1-1/4" Or 1-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	223.90	3.89
23 05 48 00-0101	EA	1-1/4" Or 1-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	265.59	3.89
23 05 48 00-0102	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	133.35	3.52
23 05 48 00-0103	EA	2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	154.67	3.52
23 05 48 00-0104	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	195.95	3.52
23 05 48 00-0105	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	261.36	4.71
23 05 48 00-0106	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	324.28	4.71
23 05 48 00-0107	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	387.14	4.71
23 05 48 00-0108	EA	2-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	185.78	4.41
23 05 48 00-0109	EA	2-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	212.04	4.19
23 05 48 00-0110	EA	2-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	238.56	4.19
23 05 48 00-0111	EA	2-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	293.81	5.61
23 05 48 00-0112	EA	2-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	347.14	5.61
23 05 48 00-0113	EA	2-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	398.81	5.61
23 05 48 00-0114	EA	3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	293.84	5.61
23 05 48 00-0115	EA	3" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	329.26	5.61
23 05 48 00-0116	EA	3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	230.88	5.61
23 05 48 00-0117	EA	3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	279.04	7.48
23 05 48 00-0118	EA	3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	510.95	7.48
23 05 48 00-0119	EA	3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	580.66	7.48
23 05 48 00-0120	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	540.98	6.57
23 05 48 00-0121	EA	4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	582.38	6.57
23 05 48 00-0122	EA	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	623.77	6.57
23 05 48 00-0123	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	712.08	8.77
23 05 48 00-0124	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	794.55	8.77
23 05 48 00-0125	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	878.78	8.77
23 05 48 00-0126		**Braided Stainless Steel Flexible Hose Connectors** *(23 05 48 00-0080)* Note: Over braided carbon steel connection.		
23 05 48 00-0127	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	159.41	3.56
23 05 48 00-0128	EA	2" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	193.28	3.56
23 05 48 00-0129	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	226.51	3.56
23 05 48 00-0130	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	296.42	4.78
23 05 48 00-0131	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	363.77	4.78
23 05 48 00-0132	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	431.05	4.78
23 05 48 00-0133	EA	2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	180.61	4.19
23 05 48 00-0134	EA	2-1/2" Or 3" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	216.00	4.19

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 00-0135	EA	2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	251.56	4.19
23 05 48 00-0136	EA	2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	325.75	5.61
23 05 48 00-0137	EA	2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	396.57	5.61
23 05 48 00-0138	EA	2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	466.41	5.61
23 05 48 00-0139	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	190.64	5.61
23 05 48 00-0140	EA	4" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	231.18	5.76
23 05 48 00-0141	FT	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	272.31	5.61
23 05 48 00-0142	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	360.60	7.48
23 05 48 00-0143	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	442.41	7.48
23 05 48 00-0144	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	526.54	7.48
23 05 48 00-0145	EA	6" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	384.66	10.92
23 05 48 00-0146	EA	6" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	572.18	10.99
23 05 48 00-0147	EA	6" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	767.56	14.49
23 05 48 00-0148	EA	6" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	955.15	14.49
23 05 48 00-0149	EA	6" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,142.70	14.49
23 05 48 00-0150	EA	8" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	672.43	13.42
23 05 48 00-0151	EA	8" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	814.30	13.42
23 05 48 00-0152	EA	8" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,104.61	17.44
23 05 48 00-0153	EA	8" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,386.05	17.44
23 05 48 00-0154	EA	8" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,667.42	17.44
23 05 48 00-0155	EA	10" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	718.32	16.77
23 05 48 00-0156	EA	10" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,073.01	16.77
23 05 48 00-0157	EA	10" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,437.74	21.84
23 05 48 00-0158	EA	10" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,793.68	21.84
23 05 48 00-0159	EA	10" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,148.11	21.84
23 05 48 00-0160	EA	12" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,435.98	20.27
23 05 48 00-0161	EA	12" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,878.63	20.27
23 05 48 00-0162	EA	12" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,348.69	27.28
23 05 48 00-0163	EA	12" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,795.23	27.28
23 05 48 00-0164	EA	12" Diameter x 72" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	3,243.86	27.28

23 05 48 00-0165 Braided Metal Hose Type Flexible Bronze Hose Connectors *(23 05 48 00-0080)*

Note: Flanged end connection (carbon steel ends).

23 05 48 00-0166	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	104.25	3.52
23 05 48 00-0167	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	145.92	3.52
23 05 48 00-0168	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	190.23	4.71
23 05 48 00-0169	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	231.96	4.71
23 05 48 00-0170	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	273.70	4.71
23 05 48 00-0171	EA	2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	118.61	4.19
23 05 48 00-0172	EA	2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	162.58	4.19
23 05 48 00-0173	EA	2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	209.67	5.61
23 05 48 00-0174	EA	2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	253.68	5.61
23 05 48 00-0175	EA	2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	296.91	5.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 00-0176	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	147.05	5.61
23 05 48 00-0177	EA	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	198.37	5.61
23 05 48 00-0178	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	254.69	7.48
23 05 48 00-0179	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	313.01	7.48
23 05 48 00-0180	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	357.57	7.48
23 05 48 00-0181	EA	6" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	260.94	10.99
23 05 48 00-0182	EA	6" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	377.23	10.99
23 05 48 00-0183	EA	6" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	501.39	14.49
23 05 48 00-0184	EA	6" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	617.70	14.49
23 05 48 00-0185	EA	6" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	733.98	14.49
23 05 48 00-0186	EA	8" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	478.94	13.42
23 05 48 00-0187	EA	8" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	566.92	13.42
23 05 48 00-0188	EA	8" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	751.07	17.82
23 05 48 00-0189	EA	8" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	925.56	17.82
23 05 48 00-0190	EA	8" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,099.97	17.82
23 05 48 00-0191	EA	10" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	837.74	16.77
23 05 48 00-0192	EA	10" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,056.92	16.77
23 05 48 00-0193	EA	10" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,289.99	22.36
23 05 48 00-0194	EA	10" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,510.17	22.36
23 05 48 00-0195	EA	10" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,688.11	22.36
23 05 48 00-0196	EA	12" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,160.10	20.27
23 05 48 00-0197	EA	12" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,438.23	20.27
23 05 48 00-0198	EA	12" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,731.84	27.28
23 05 48 00-0199	EA	12" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,009.96	27.28
23 05 48 00-0200	EA	12" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,288.09	27.28

23 05 53 Identification For HVAC Piping And Equipment *(23 05)*

23 05 53 00-0001 Systems Identification *(23 05 53)*

23 05 53 00-0002 Pipe Marker Snap-On Type Plastic *(23 05 53 00-0001)*

Note: Outside diameters include insulation where necessary.

23 05 53 00-0003	EA	1/2" Outside Diameter Snap-On Plastic Marker	9.27
23 05 53 00-0004	EA	3/4" Outside Diameter Snap-On Plastic Marker	9.47
23 05 53 00-0005	EA	1" Outside Diameter Snap-On Plastic Marker	9.58
23 05 53 00-0006	EA	1-1/4" Outside Diameter Snap-On Plastic Marker	9.74
23 05 53 00-0007	EA	1-1/2" Outside Diameter Snap-On Plastic Marker	10.70
23 05 53 00-0008	EA	2" Outside Diameter Snap-On Plastic Marker	11.07
23 05 53 00-0009	EA	2-1/2" Outside Diameter Snap-On Plastic Marker	15.10
23 05 53 00-0010	EA	3" Outside Diameter Snap-On Plastic Marker	15.38
23 05 53 00-0011	EA	3-1/2" Outside Diameter Snap-On Plastic Marker	15.69
23 05 53 00-0012	EA	4" Outside Diameter Snap-On Plastic Marker	15.87
23 05 53 00-0013	EA	4-1/2" Outside Diameter Snap-On Plastic Marker	16.04
23 05 53 00-0014	EA	5" Outside Diameter Snap-On Plastic Marker	16.22
23 05 53 00-0015	EA	6" Outside Diameter Snap-On Plastic Marker	16.86
23 05 53 00-0016	EA	7" Outside Diameter Snap-On Plastic Marker	17.05
23 05 53 00-0017	EA	8" Outside Diameter Snap-On Plastic Marker	19.83
23 05 53 00-0018	EA	10" Outside Diameter Snap-On Plastic Marker	20.88
23 05 53 00-0019	EA	12" Outside Diameter Snap-On Plastic Marker	24.36
23 05 53 00-0020	EA	14" Outside Diameter Snap-On Plastic Marker	27.84

23 05 53 00-0021 Pipe Markers Pressure-Sensitive *(23 05 53 00-0001)*

Note: Stick on include arrow tape. Outside diameter includes insulation where necessary.

23 05 53 00-0022	EA	1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	9.12
23 05 53 00-0023	EA	3/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	9.53
23 05 53 00-0024	EA	1" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	10.34

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 53 00-0025	EA	1-1/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	10.51	
23 05 53 00-0026	EA	1-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	11.18	
23 05 53 00-0027	EA	2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	11.42	
23 05 53 00-0028	EA	2-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	12.79	
23 05 53 00-0029	EA	3" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	13.11	
23 05 53 00-0030	EA	3-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	13.35	
23 05 53 00-0031	EA	4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	13.61	
23 05 53 00-0032	EA	4-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	14.12	
23 05 53 00-0033	EA	5" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	14.66	
23 05 53 00-0034	EA	6" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	15.14	
23 05 53 00-0035	EA	7" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	15.62	
23 05 53 00-0036	EA	8" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	16.66	
23 05 53 00-0037	EA	10" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	18.04	
23 05 53 00-0038	EA	12" Outside Diameter Press-Sensitive Marker Stick-on	21.01	

23 05 53 00-0039 Valve Identification Tag *(23 05 53 00-0001)*

Note: Includes "S" hook.

23 05 53 00-0040	EA	2" Diameter Identification Tag, Brass	7.87	
23 05 53 00-0041	EA	1-1/2" Diameter Identification Tag, Plastic	7.50	
23 05 53 00-0042	EA	1-1/2" Diameter Identification Tag, Brass	7.38	

23 05 93 Testing, Adjusting, And Balancing For HVAC *(23 05)*

Note: New systems include all necessary testing, startup, and checkout. Use these tasks for testing, startup, and checkout of existing systems.

23 05 93 00-0001 Heating And Ventilating Equipment *(23 05 93)*

23 05 93 00-0002	EA	Balancing Centrifugal Fans	344.87	
		For Testing Of Unit Without Balancing, Deduct		*-172.44*
23 05 93 00-0003	EA	Balancing Heating And Ventilating Units	430.92	
		For Testing Of Unit Without Balancing, Deduct		*-215.46*
23 05 93 00-0004	EA	Balancing In Line Fan	387.99	
		For Testing Of Unit Without Balancing, Deduct		*-194.00*
23 05 93 00-0005	EA	Balancing Propeller And Wall Fan	86.22	
		For Testing Of Unit Without Balancing, Deduct		*-43.11*
23 05 93 00-0006	EA	Balancing Roof Exhaust Fan	258.64	
		For Testing Of Unit Without Balancing, Deduct		*-129.32*
23 05 93 00-0007	EA	Balancing Wall Fan	64.65	
		For Testing Of Unit Without Balancing, Deduct		*-32.33*
23 05 93 00-0008	EA	Balancing Fan Section Exhaust	344.33	
		For Testing Of Unit Without Balancing, Deduct		*-172.17*

23 05 93 00-0009 Air Conditioning Equipment *(23 05 93)*

23 05 93 00-0010	EA	Balancing Constant Volume Air Handling Unit	599.01	
		For Testing Of Unit Without Balancing, Deduct		*-299.51*
23 05 93 00-0011	EA	Balancing Package A/C Unit	224.63	
		For Testing Of Unit Without Balancing, Deduct		*-112.32*
23 05 93 00-0012	EA	Balancing Rooftop Heat And Cool Unit	299.50	
		For Testing Of Unit Without Balancing, Deduct		*-149.75*
23 05 93 00-0013	EA	Balancing Variable Volume Air Handling Unit	1,048.27	
		For Testing Of Unit Without Balancing, Deduct		*-524.14*

23 05 93 00-0014 Registers, Diffusers, Terminal Air Units And Dampers *(23 05 93)*

23 05 93 00-0015	EA	Balancing HVAC Duct System, Ceiling Height To 12' Supply, Return, Exhaust, Register And Diffuser	64.66	
		For Testing Of Unit Without Balancing, Deduct		*-32.33*
23 05 93 00-0016	EA	Balancing HVAC Duct System, Ceiling Height >12' Supply, Return, Exhaust, Register And Diffuser	107.78	
		For Testing Of Unit Without Balancing, Deduct		*-53.89*
23 05 93 00-0017	EA	Balancing HVAC Duct System, Floor Height Supply, Return, Exhaust, Register And Diffuser	56.05	
		For Testing Of Unit Without Balancing, Deduct		*-28.03*
23 05 93 00-0018	EA	Balance Variable Air Volume Box	60.72	
		For Testing Of Unit Without Balancing, Deduct		*-30.36*
23 05 93 00-0019	EA	Balance Constant Volume Box	60.72	
		For Testing Of Unit Without Balancing, Deduct		*-30.36*
23 05 93 00-0020	EA	Balance Fan Powered Box	68.98	
		For Testing Of Unit Without Balancing, Deduct		*-34.49*
23 05 93 00-0021	EA	Balance Lab Fume Hood	280.22	
		For Testing Of Unit Without Balancing, Deduct		*-140.11*
23 05 93 00-0022	EA	Balance General Hood	215.55	
		For Testing Of Unit Without Balancing, Deduct		*-107.78*
23 05 93 00-0023	EA	Balance Induction Unit	129.33	
		For Testing Of Unit Without Balancing, Deduct		*-64.67*
23 05 93 00-0024	EA	Balance Moduline - Master	51.72	
		For Testing Of Unit Without Balancing, Deduct		*-25.86*
23 05 93 00-0025	EA	Balance Moduline - Slave	25.86	
		For Testing Of Unit Without Balancing, Deduct		*-12.93*
23 05 93 00-0026	EA	Balance Dampers	24.02	
		For Testing Of Unit Without Balancing, Deduct		*-12.01*
23 05 93 00-0027	EA	Balance Regenerators	344.33	
		For Testing Of Unit Without Balancing, Deduct		*-172.17*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0028		**Water Balancing Of Components** *(23 05 93)*		
23 05 93 00-0029	EA	Water Balance, Air Cool Condenser	411.86	
		For Testing Of Unit Without Balancing, Deduct	*-205.93*	
23 05 93 00-0030	EA	Water Balance, Cabinet Heater	52.42	
		For Testing Of Unit Without Balancing, Deduct	*-26.21*	
23 05 93 00-0031	EA	Water Balance, Chiller, Air Cooled	449.22	
		For Testing Of Unit Without Balancing, Deduct	*-224.61*	
23 05 93 00-0032	EA	Water Balance, Chiller, Water Cooled	599.01	
		For Testing Of Unit Without Balancing, Deduct	*-299.51*	
23 05 93 00-0033	EA	Water Balance, Cooling Tower	299.50	
		For Testing Of Unit Without Balancing, Deduct	*-149.75*	
23 05 93 00-0034	EA	Water Balance, Fan Coil And Vent	74.92	
		For Testing Of Unit Without Balancing, Deduct	*-37.46*	
23 05 93 00-0035	EA	Water Balance, Fin Tube And Radiant Panel	74.88	
		For Testing Of Unit Without Balancing, Deduct	*-37.44*	
23 05 93 00-0036	EA	Water Balance, Main And Duct Re-Heat Coil	82.37	
		For Testing Of Unit Without Balancing, Deduct	*-41.19*	
23 05 93 00-0037	EA	Water Balance, Pumps	224.64	
		For Testing Of Unit Without Balancing, Deduct	*-112.32*	
23 05 93 00-0038	EA	Water Balance, Unit Heater	52.42	
		For Testing Of Unit Without Balancing, Deduct	*-26.21*	
23 05 93 00-0039	EA	Water Balancing, Converter	224.72	
		For Testing Of Unit Without Balancing, Deduct	*-112.36*	
23 05 93 00-0040	EA	Water Balancing, Cocks And Valves	37.43	
		For Testing Of Unit Without Balancing, Deduct	*-18.72*	
23 05 93 00-0041	EA	Water Balance, Convector	44.92	
		For Testing Of Unit Without Balancing, Deduct	*-22.46*	
23 05 93 00-0042	EA	Water Balancing, Backflow Preventer Or Reduced Pressure Zone Valves	56.16	
		For Testing Of Unit Without Balancing, Deduct	*-28.08*	
23 05 93 00-0043	EA	Water Balance, Boiler, Up To 500 MBH	486.69	
		For Testing Of Unit Without Balancing, Deduct	*-243.35*	
23 05 93 00-0044	EA	>500 To 1,000 MBH, Water Balance, Boiler	898.52	
		For Testing Of Unit Without Balancing, Deduct	*-449.26*	
23 05 93 00-0045	EA	>1,000 MBH, Water Balance, Boiler	1,647.28	
		For Testing Of Unit Without Balancing, Deduct	*-823.64*	
23 05 93 00-0046		**Non Destructive Testing** *(23 05 93)*		
23 05 93 00-0047		**X-Ray Welds, Non-Destructive Testing** *(23 05 93 00-0046)*		
23 05 93 00-0048		**X-Ray Welds Minimum Set-Up Charge** *(23 05 93 00-0047)*		
23 05 93 00-0049	EA	X-Ray Welds Minimum Set-Up Charge Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	631.89	
23 05 93 00-0050		**Piping, X-Ray Welds, Non Destructive Testing** *(23 05 93 00-0047)*		
23 05 93 00-0051	EA	Up To 3/4" Piping, X-Ray Welds, Non Destructive Testing	61.28	
23 05 93 00-0052	EA	1" Piping, X-Ray Welds, Non Destructive Testing	69.77	
23 05 93 00-0053	EA	1-1/4" - 1-1/2" Piping, X-Ray Welds, Non Destructive Testing	78.27	
23 05 93 00-0054	EA	2" Piping, X-Ray Welds, Non Destructive Testing	82.70	
23 05 93 00-0055	EA	3" Piping, X-Ray Welds, Non Destructive Testing	87.13	
23 05 93 00-0056	EA	4" Piping, X-Ray Welds, Non Destructive Testing	91.92	
23 05 93 00-0057	EA	6" Piping, X-Ray Welds, Non Destructive Testing	100.78	
23 05 93 00-0058	EA	8" Piping, X-Ray Welds, Non Destructive Testing	109.64	
23 05 93 00-0059	EA	10" Piping, X-Ray Welds, Non Destructive Testing	114.42	
23 05 93 00-0060	EA	12" Piping, X-Ray Welds, Non Destructive Testing	119.22	
23 05 93 00-0061		**Liquid Penetration Of Welds, Non Destructive Testing** *(23 05 93 00-0046)*		
23 05 93 00-0062		**Piping, Liquid Penetration Of Welds, Non Destructive Testing** *(23 05 93 00-0061)*		
23 05 93 00-0063	EA	Up To 3/4" Piping, Liquid Penetration Of Welds, Non Destructive Testing	70.76	
23 05 93 00-0064	EA	1" Piping, Liquid Penetration Of Welds, Non Destructive Testing	74.83	
23 05 93 00-0065	EA	1-1/4" - 1-1/2" Piping, Liquid Penetration Of Welds, Non Destructive Testing	78.90	
23 05 93 00-0066	EA	2" Piping, Liquid Penetration Of Welds, Non Destructive Testing	80.93	
23 05 93 00-0067	EA	3" Piping, Liquid Penetration Of Welds, Non Destructive Testing	83.98	
23 05 93 00-0068	EA	4" Piping, Liquid Penetration Of Welds, Non Destructive Testing	87.03	
23 05 93 00-0069	EA	6" Piping, Liquid Penetration Of Welds, Non Destructive Testing	93.13	
23 05 93 00-0070	EA	8" Piping, Liquid Penetration Of Welds, Non Destructive Testing	99.23	
23 05 93 00-0071	EA	10" Piping, Liquid Penetration Of Welds, Non Destructive Testing	105.33	
23 05 93 00-0072	EA	12" Piping, Liquid Penetration Of Welds, Non Destructive Testing	111.43	
23 05 93 00-0073		**Hydrostatic Testing** *(23 05 93 00-0046)* Note: Includes flushing and restoring of system.		
23 05 93 00-0074		**Piping, Hydrostatic Testing** *(23 05 93 00-0073)*		
23 05 93 00-0075	EA	Up To 100', Up To 1-1/2" Piping, Hydrostatic Testing	535.05	
23 05 93 00-0076	EA	>100' To 250', Up To 1-1/2" Piping, Hydrostatic Testing	764.36	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0077	EA	>250' To 500', Up To 1-1/2" Piping, Hydrostatic Testing	915.86	
23 05 93 00-0078	EA	>500' To 1,000', Up To 1-1/2" Piping, Hydrostatic Testing	1,219.92	
23 05 93 00-0079	EA	>1,000' To 2,000', Up To 1-1/2" Piping, Hydrostatic Testing	1,848.36	
23 05 93 00-0080	EA	Up To 100', >1-1/2" To 4" Piping, Hydrostatic Testing	711.41	
23 05 93 00-0081	EA	>100' To 250', >1-1/2" To 4" Piping, Hydrostatic Testing	1,016.60	
23 05 93 00-0082	EA	>250' To 500', >1-1/2" To 4" Piping, Hydrostatic Testing	1,210.24	
23 05 93 00-0083	EA	>500' To 1,000', >1-1/2" To 4" Piping, Hydrostatic Testing	1,585.88	
23 05 93 00-0084	EA	>1,000' To 2,000', >1-1/2" To 4" Piping, Hydrostatic Testing	2,399.17	
23 05 93 00-0085	EA	Up To 100', >4" To 10" Piping, Hydrostatic Testing	927.14	
23 05 93 00-0086	EA	>100' To 250', >4" To 10" Piping, Hydrostatic Testing	1,321.58	
23 05 93 00-0087	EA	>250' To 500', >4" To 10" Piping, Hydrostatic Testing	1,414.61	
23 05 93 00-0088	EA	>500' To 1,000', >4" To 10" Piping, Hydrostatic Testing	1,853.24	
23 05 93 00-0089	EA	>1,000' To 2,000', >4" To 10" Piping, Hydrostatic Testing	2,803.61	
23 05 93 00-0090	EA	Up To 100', >10" To 14" Piping, Hydrostatic Testing	1,203.66	
23 05 93 00-0091	EA	>100' To 250', >10" To 14" Piping, Hydrostatic Testing	1,716.01	
23 05 93 00-0092	EA	>250' To 500', >10" To 14" Piping, Hydrostatic Testing	1,839.34	
23 05 93 00-0093	EA	>500' To 1,000', >10" To 14" Piping, Hydrostatic Testing	2,412.49	
23 05 93 00-0094	EA	>1,000' To 2,000', >10" To 14" Piping, Hydrostatic Testing	3,655.31	

23 05 93 00-0095 Pneumatic Testing *(23 05 93 00-0046)*

Note: Includes soaping joints flushing and restoring of system. Can be used for gas or smoke test.

23 05 93 00-0096 Piping, Pneumatic Testing *(23 05 93 00-0095)*

23 05 93 00-0097	EA	Up To 100', Up To 1-1/2" Piping, Pneumatic Testing Note: Includes soaping joints.	608.48	
23 05 93 00-0098	EA	>100' To 250', Up To 1-1/2" Piping, Pneumatic Testing Note: Includes soaping joints.	868.23	
23 05 93 00-0099	EA	>250' To 500', Up To 1-1/2" Piping, Pneumatic Testing Note: Includes soaping joints.	937.60	
23 05 93 00-0100	EA	>500' To 1,000', Up To 1-1/2" Piping, Pneumatic Testing Note: Includes soaping joints.	1,200.95	
23 05 93 00-0101	EA	>1,000' To 2,000', Up To 1-1/2" Piping, Pneumatic Testing Note: Includes soaping joints.	1,878.52	
23 05 93 00-0102	EA	Up To 100', >1-1/2" To 4" Piping, Pneumatic Testing Note: Includes soaping joints.	793.98	
23 05 93 00-0103	EA	>100' To 250', >1-1/2" To 4" Piping, Pneumatic Testing Note: Includes soaping joints.	1,127.42	
23 05 93 00-0104	EA	>250' To 500', >1-1/2" To 4" Piping, Pneumatic Testing Note: Includes soaping joints.	1,218.80	
23 05 93 00-0105	EA	>500' To 1,000', >1-1/2" To 4" Piping, Pneumatic Testing Note: Includes soaping joints.	1,561.55	
23 05 93 00-0106	EA	>1,000' To 2,000', >1-1/2" To 4" Piping, Pneumatic Testing Note: Includes soaping joints.	2,441.71	
23 05 93 00-0107	EA	Up To 100', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	955.90	
23 05 93 00-0108	EA	>100' To 250', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	1,349.00	
23 05 93 00-0109	EA	>250' To 500', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	1,548.67	
23 05 93 00-0110	EA	>500' To 1,000', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	1,978.79	
23 05 93 00-0111	EA	>1,000' To 2,000', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	3,098.61	
23 05 93 00-0112	EA	Up To 100', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	1,244.68	
23 05 93 00-0113	EA	>100' To 250', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	1,753.83	
23 05 93 00-0114	EA	>250' To 500', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	2,013.86	
23 05 93 00-0115	EA	>500' To 1,000', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	2,572.93	
23 05 93 00-0116	EA	>1,000' To 2,000', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	4,034.67	

23 05 93 00-0117 EPA Testing Of Sludge *(23 05 93)*

23 05 93 00-0118	EA	Flashpoint And Lead Test For Lead	556.28	
23 05 93 00-0119	EA	Air Test/Combustion Gas Level	60.96	
23 05 93 00-0120	EA	Toxicity Test For Heavy Metals	852.52	
23 05 93 00-0121	EA	Aboveground Tank Water Settlement Test Including Water	647.74	

23 07 HVAC Insulation *(23)*

23 07 13 Duct Insulation *(23 07)*

Note: Based on SF surface area of duct to receive insulation.

23 07 13 00-0001 Fiber Glass FSK Duct Wrap Insulation *(23 07 13)*

Note: Foil-scrim kraft (FSK) facing lapped and joints sealed vapor tight. See CSI section 23 33 53 00-0000 for internal duct insulation.

23 07 13 00-0002 Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation *(23 07 13 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 13 00-0003	SF	1" Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation	2.41	1.64
		For Plain Blanket, With No Facing, Deduct	*-0.09*	
		For Work In Restricted Working Space, Add	*0.65*	
23 07 13 00-0004	SF	1-1/2" Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation	2.83	1.64
		For Plain Blanket, With No Facing, Deduct	*-0.10*	
		For Work In Restricted Working Space, Add	*0.77*	
23 07 13 00-0005	SF	2" Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation	3.21	2.47
		For Plain Blanket, With No Facing, Deduct	*-0.11*	
		For Work In Restricted Working Space, Add	*0.88*	
23 07 13 00-0006	SF	3" Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation	3.77	2.87
		For Plain Blanket, With No Facing, Deduct	*-0.14*	
		For Work In Restricted Working Space, Add	*1.03*	
23 07 13 00-0007	SF	4" Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation	4.25	3.12
		For Plain Blanket, With No Facing, Deduct	*-0.22*	
		For Work In Restricted Working Space, Add	*1.11*	
23 07 13 00-0008		**Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation** *(23 07 13 00-0001)*		
23 07 13 00-0009	SF	1" Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation	3.00	2.47
		For Plain Blanket, With No Facing, Deduct	*-0.10*	
		For Work In Restricted Working Space, Add	*0.82*	
23 07 13 00-0010	SF	1-1/2" Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation	3.48	2.87
		For Plain Blanket, With No Facing, Deduct	*-0.13*	
		For Work In Restricted Working Space, Add	*0.95*	
23 07 13 00-0011	SF	2" Type 100 (1.0 LB/CF) Fiber Glass FSK Duct Wrap Insulation	4.11	3.28
		For Plain Blanket, With No Facing, Deduct	*-0.15*	
		For Work In Restricted Working Space, Add	*1.12*	
23 07 13 00-0012		**Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation** *(23 07 13 00-0001)*		
23 07 13 00-0013	SF	1" Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation	3.73	3.28
		For Plain Blanket, With No Facing, Deduct	*-0.18*	
		For Work In Restricted Working Space, Add	*0.99*	
23 07 13 00-0014	SF	1-1/2" Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation	4.54	3.69
		For Plain Blanket, With No Facing, Deduct	*-0.31*	
		For Work In Restricted Working Space, Add	*1.13*	
23 07 13 00-0015	SF	2" Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation	5.29	4.11
		For Plain Blanket, With No Facing, Deduct	*-0.36*	
		For Work In Restricted Working Space, Add	*1.31*	
23 07 13 00-0016		**Calcium Block Insulation** *(23 07 13)*		
23 07 13 00-0017	SF	2" Calcium Block Insulation	17.50	6.59
		For Work In Restricted Working Space, Add	*3.97*	
23 07 13 00-0018		**3 LB/CF FSK Rigid Fiber Glass Board Insulation** *(23 07 13)*		
		Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fasteners.		
23 07 13 00-0019	SF	1", 3 LB/CF FSK Rigid Fiber Glass Board Insulation	7.47	4.23
		For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add	*17.62*	
		For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add	*12.94*	
		For Non-Metallic Weatherproof Paste, 2 LB, Add	*10.70*	
		For Work In Restricted Working Space, Add	*2.19*	
23 07 13 00-0020	SF	1-1/2", 3 LB/CF FSK Rigid Fiber Glass Board Insulation	9.12	5.15
		For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add	*21.45*	
		For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add	*15.77*	
		For Non-Metallic Weatherproof Paste, 2 LB, Add	*13.03*	
		For Work In Restricted Working Space, Add	*2.66*	
23 07 13 00-0021	SF	2", 3 LB/CF FSK Rigid Fiber Glass Board Insulation	11.04	6.21
		For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add	*25.92*	
		For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add	*19.07*	
		For Non-Metallic Weatherproof Paste, 2 LB, Add	*15.75*	
		For Work In Restricted Working Space, Add	*3.21*	
23 07 13 00-0022		**4.253 LB/CF FSK Rigid Fiber Glass Board Insulation** *(23 07 13)*		
		Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fastener.		
23 07 13 00-0023	SF	1", 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation	8.61	4.65
		For Work In Restricted Working Space, Add	*2.40*	
23 07 13 00-0024	SF	1-1/2", 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation	11.10	5.66
		For Work In Restricted Working Space, Add	*2.93*	
23 07 13 00-0025	SF	2", 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation	14.12	6.83
		For Work In Restricted Working Space, Add	*3.53*	
23 07 13 00-0026		**Other Ductwork Insulation** *(23 07 13)*		
23 07 13 00-0027	SF	1/2" Cement Over 1" Wire Mesh, Including Corner Bead	16.72	6.56
23 07 13 00-0028	SF	Glass Cloth Pasted On	9.53	5.91
23 07 13 00-0029	SF	Weatherproof, Non Metallic, 21 LB/SF	16.72	7.79
23 07 13 00-0030		**Flexible Elastomeric Insulation** *(23 07 13)*		
23 07 13 00-0031	SF	3/8" Thick Sheet Elastomeric Insulation	5.76	2.21

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 13 00-0032	SF	1/2" Thick Sheet Elastomeric Insulation	6.15	2.34
23 07 13 00-0033	SF	3/4" Thick Sheet Elastomeric Insulation	7.87	2.47
23 07 13 00-0034	SF	1" Thick Sheet Elastomeric Insulation	8.99	2.59
23 07 13 00-0035	SF	1-1/2" Thick Sheet Elastomeric Insulation	12.23	2.83
23 07 13 00-0036	SF	2" Thick Sheet Elastomeric Insulation	14.38	3.08

23 07 19 HVAC Piping Insulation *(23 07)*

See CSI section 22 07 19 00-0000 for pipe insulation.

23 07 19 00-0001 Calcium Silicate Pipe Insulation *(23 07 19)*

Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint. See CSI section 22 07 19 00-0456 for protective jacketing.

23 07 19 00-0002 1" Thick Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0003	LF	1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	9.66	2.70
		For Work In Restricted Working Space, Add	*2.03*	
23 07 19 00-0004	LF	3/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	9.66	2.70
		For Work In Restricted Working Space, Add	*2.03*	
23 07 19 00-0005	LF	1" Diameter Pipe, 1" Thick Calcium Silicate Insulation	9.63	2.74
		For Work In Restricted Working Space, Add	*2.05*	
23 07 19 00-0006	LF	1-1/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	9.78	2.78
		For Work In Restricted Working Space, Add	*2.08*	
23 07 19 00-0007	LF	1-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	9.90	2.82
		For Work In Restricted Working Space, Add	*2.11*	
23 07 19 00-0008	LF	2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	10.53	2.89
		For Work In Restricted Working Space, Add	*2.17*	
23 07 19 00-0009	LF	2-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	11.01	3.01
		For Work In Restricted Working Space, Add	*2.26*	
23 07 19 00-0010	LF	3" Diameter Pipe, 1" Thick Calcium Silicate Insulation	11.47	3.09
		For Work In Restricted Working Space, Add	*2.32*	
23 07 19 00-0011	LF	4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	13.00	3.32
		For Work In Restricted Working Space, Add	*2.49*	
23 07 19 00-0012	LF	6" Diameter Pipe, 1" Thick Calcium Silicate Insulation	14.49	3.74
		For Work In Restricted Working Space, Add	*2.81*	

23 07 19 00-0013 1-1/2" Thick Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0014	LF	1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	10.11	2.81
		For Work In Restricted Working Space, Add	*2.11*	
23 07 19 00-0015	LF	3/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	10.15	2.81
		For Work In Restricted Working Space, Add	*2.11*	
23 07 19 00-0016	LF	1" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	10.85	2.98
		For Work In Restricted Working Space, Add	*2.23*	
23 07 19 00-0017	LF	1-1/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	11.26	3.03
		For Work In Restricted Working Space, Add	*2.27*	
23 07 19 00-0018	LF	1-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	11.67	3.09
		For Work In Restricted Working Space, Add	*2.32*	
23 07 19 00-0019	LF	2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	12.50	3.26
		For Work In Restricted Working Space, Add	*2.45*	
23 07 19 00-0020	LF	2-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	13.04	3.31
		For Work In Restricted Working Space, Add	*2.49*	
23 07 19 00-0021	LF	3" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	13.53	3.42
		For Work In Restricted Working Space, Add	*2.57*	
23 07 19 00-0022	LF	4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	15.01	3.70
		For Work In Restricted Working Space, Add	*2.78*	
23 07 19 00-0023	LF	6" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	17.43	4.33
		For Work In Restricted Working Space, Add	*3.25*	
23 07 19 00-0024	LF	8" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	20.18	4.57
		For Work In Restricted Working Space, Add	*3.43*	
23 07 19 00-0025	LF	10" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	25.26	5.47
		For Work In Restricted Working Space, Add	*4.10*	
23 07 19 00-0026	LF	12" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	29.68	6.36
		For Work In Restricted Working Space, Add	*4.78*	
23 07 19 00-0027	LF	14" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	32.99	6.98
		For Work In Restricted Working Space, Add	*5.23*	
23 07 19 00-0028	LF	16" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	39.61	8.88
		For Work In Restricted Working Space, Add	*6.66*	
23 07 19 00-0029	LF	18" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	42.56	9.32
		For Work In Restricted Working Space, Add	*6.99*	

23 07 19 00-0030 2" Thick Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0031	LF	1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	12.58	3.09
		For Work In Restricted Working Space, Add	*2.32*	
23 07 19 00-0032	LF	3/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	12.84	3.09
		For Work In Restricted Working Space, Add	*2.32*	
23 07 19 00-0033	LF	1" Diameter Pipe, 2" Thick Calcium Silicate Insulation	13.21	3.13
		For Work In Restricted Working Space, Add	*2.34*	
23 07 19 00-0034	LF	1-1/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	13.70	3.16
		For Work In Restricted Working Space, Add	*2.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0035	LF	1-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	14.05	3.20
		For Work In Restricted Working Space, Add	*2.40*	
23 07 19 00-0036	LF	2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	14.65	3.32
		For Work In Restricted Working Space, Add	*2.49*	
23 07 19 00-0037	LF	2-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	16.22	3.44
		For Work In Restricted Working Space, Add	*2.58*	
23 07 19 00-0038	LF	3" Diameter Pipe, 2" Thick Calcium Silicate Insulation	16.54	3.55
		For Work In Restricted Working Space, Add	*2.67*	
23 07 19 00-0039	LF	4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	18.23	3.76
		For Work In Restricted Working Space, Add	*2.81*	
23 07 19 00-0040	LF	6" Diameter Pipe, 2" Thick Calcium Silicate Insulation	22.30	4.50
		For Work In Restricted Working Space, Add	*3.38*	
23 07 19 00-0041	LF	8" Diameter Pipe, 2" Thick Calcium Silicate Insulation	25.03	4.75
		For Work In Restricted Working Space, Add	*3.56*	
23 07 19 00-0042	LF	10" Diameter Pipe, 2" Thick Calcium Silicate Insulation	30.73	5.69
		For Work In Restricted Working Space, Add	*4.27*	
23 07 19 00-0043	LF	12" Diameter Pipe, 2" Thick Calcium Silicate Insulation	35.37	6.81
		For Work In Restricted Working Space, Add	*5.11*	
23 07 19 00-0044	LF	14" Diameter Pipe, 2" Thick Calcium Silicate Insulation	43.93	9.50
		For Work In Restricted Working Space, Add	*7.13*	
23 07 19 00-0045	LF	16" Diameter Pipe, 2" Thick Calcium Silicate Insulation	45.99	9.50
		For Work In Restricted Working Space, Add	*7.13*	
23 07 19 00-0046	LF	18" Diameter Pipe, 2" Thick Calcium Silicate Insulation	49.20	9.98
		For Work In Restricted Working Space, Add	*7.48*	
23 07 19 00-0047	LF	20" Diameter Pipe, 2" Thick Calcium Silicate Insulation	58.38	11.41
		For Work In Restricted Working Space, Add	*8.55*	
23 07 19 00-0048	LF	24" Diameter Pipe, 2" Thick Calcium Silicate Insulation	68.25	13.77
		For Work In Restricted Working Space, Add	*10.33*	

23 07 19 00-0049 2-1/2" Thick Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0050	LF	1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	15.01	3.56
		For Work In Restricted Working Space, Add	*2.67*	
23 07 19 00-0051	LF	3/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	15.29	3.56
		For Work In Restricted Working Space, Add	*2.67*	
23 07 19 00-0052	LF	1" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	15.55	3.61
		For Work In Restricted Working Space, Add	*2.71*	
23 07 19 00-0053	LF	1-1/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	15.70	3.64
		For Work In Restricted Working Space, Add	*2.73*	
23 07 19 00-0054	LF	1-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	16.07	3.67
		For Work In Restricted Working Space, Add	*2.75*	
23 07 19 00-0055	LF	2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	16.75	3.83
		For Work In Restricted Working Space, Add	*2.87*	
23 07 19 00-0056	LF	2-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	18.65	3.96
		For Work In Restricted Working Space, Add	*2.97*	
23 07 19 00-0057	LF	3" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	19.00	4.10
		For Work In Restricted Working Space, Add	*3.07*	
23 07 19 00-0058	LF	4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	21.73	4.32
		For Work In Restricted Working Space, Add	*3.24*	
23 07 19 00-0059	LF	6" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	26.82	4.91
		For Work In Restricted Working Space, Add	*3.68*	
23 07 19 00-0060	LF	8" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	30.54	5.48
		For Work In Restricted Working Space, Add	*4.10*	
23 07 19 00-0061	LF	10" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	36.37	6.31
		For Work In Restricted Working Space, Add	*4.73*	
23 07 19 00-0062	LF	12" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	42.57	7.84
		For Work In Restricted Working Space, Add	*5.88*	
23 07 19 00-0063	LF	14" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	47.02	8.56
		For Work In Restricted Working Space, Add	*6.42*	
23 07 19 00-0064	LF	16" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	57.37	10.94
		For Work In Restricted Working Space, Add	*8.21*	
23 07 19 00-0065	LF	18" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	60.56	11.49
		For Work In Restricted Working Space, Add	*8.62*	
23 07 19 00-0066	LF	20" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	70.15	13.13
		For Work In Restricted Working Space, Add	*9.85*	
23 07 19 00-0067	LF	24" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	82.66	15.87
		For Work In Restricted Working Space, Add	*11.90*	

23 07 19 00-0068 3" Thick Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0069	LF	1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	18.66	3.94
		For Work In Restricted Working Space, Add	*2.96*	
23 07 19 00-0070	LF	3/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	18.73	3.94
		For Work In Restricted Working Space, Add	*2.96*	
23 07 19 00-0071	LF	1" Diameter Pipe, 3" Thick Calcium Silicate Insulation	18.90	3.99
		For Work In Restricted Working Space, Add	*2.99*	
23 07 19 00-0072	LF	1-1/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	19.08	4.01
		For Work In Restricted Working Space, Add	*3.01*	
23 07 19 00-0073	LF	1-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	19.27	4.05
		For Work In Restricted Working Space, Add	*3.04*	
23 07 19 00-0074	LF	2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	19.93	4.20
		For Work In Restricted Working Space, Add	*3.15*	
23 07 19 00-0075	LF	2-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	21.95	4.35
		For Work In Restricted Working Space, Add	*3.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0076	LF	3" Diameter Pipe, 3" Thick Calcium Silicate Insulation	22.44	4.50
		For Work In Restricted Working Space, Add	*3.38*	
23 07 19 00-0077	LF	4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	26.16	4.75
		For Work In Restricted Working Space, Add	*3.56*	
23 07 19 00-0078	LF	6" Diameter Pipe, 3" Thick Calcium Silicate Insulation	30.90	5.40
		For Work In Restricted Working Space, Add	*4.05*	
23 07 19 00-0079	LF	8" Diameter Pipe, 3" Thick Calcium Silicate Insulation	35.78	6.01
		For Work In Restricted Working Space, Add	*4.51*	
23 07 19 00-0080	LF	10" Diameter Pipe, 3" Thick Calcium Silicate Insulation	42.39	6.94
		For Work In Restricted Working Space, Add	*5.21*	
23 07 19 00-0081	LF	12" Diameter Pipe, 3" Thick Calcium Silicate Insulation	49.26	8.63
		For Work In Restricted Working Space, Add	*6.47*	
23 07 19 00-0082	LF	14" Diameter Pipe, 3" Thick Calcium Silicate Insulation	54.61	9.42
		For Work In Restricted Working Space, Add	*7.07*	
23 07 19 00-0083	LF	16" Diameter Pipe, 3" Thick Calcium Silicate Insulation	64.41	12.03
		For Work In Restricted Working Space, Add	*9.03*	
23 07 19 00-0084	LF	18" Diameter Pipe, 3" Thick Calcium Silicate Insulation	69.29	12.64
		For Work In Restricted Working Space, Add	*9.48*	
23 07 19 00-0085	LF	20" Diameter Pipe, 3" Thick Calcium Silicate Insulation	80.95	14.46
		For Work In Restricted Working Space, Add	*10.84*	
23 07 19 00-0086	LF	24" Diameter Pipe, 3" Thick Calcium Silicate Insulation	95.94	17.46
		For Work In Restricted Working Space, Add	*13.09*	

23 07 19 00-0087 3-1/2" Thick Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0088	LF	1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	23.43	4.32
		For Work In Restricted Working Space, Add	*3.24*	
23 07 19 00-0089	LF	3/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	24.23	4.32
		For Work In Restricted Working Space, Add	*3.24*	
23 07 19 00-0090	LF	1" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	24.30	4.35
		For Work In Restricted Working Space, Add	*3.26*	
23 07 19 00-0091	LF	1-1/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	24.37	4.38
		For Work In Restricted Working Space, Add	*3.28*	
23 07 19 00-0092	LF	1-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	25.09	4.43
		For Work In Restricted Working Space, Add	*3.32*	
23 07 19 00-0093	LF	2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	26.57	4.58
		For Work In Restricted Working Space, Add	*3.44*	
23 07 19 00-0094	LF	2-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	28.74	4.74
		For Work In Restricted Working Space, Add	*3.56*	
23 07 19 00-0095	LF	3" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	29.76	4.91
		For Work In Restricted Working Space, Add	*3.68*	
23 07 19 00-0096	LF	4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	33.69	5.18
		For Work In Restricted Working Space, Add	*3.89*	
23 07 19 00-0097	LF	6" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	37.64	5.89
		For Work In Restricted Working Space, Add	*4.42*	
23 07 19 00-0098	LF	8" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	45.54	6.56
		For Work In Restricted Working Space, Add	*4.92*	
23 07 19 00-0099	LF	10" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	55.14	7.57
		For Work In Restricted Working Space, Add	*5.68*	
23 07 19 00-0100	LF	12" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	66.88	9.41
		For Work In Restricted Working Space, Add	*7.06*	
23 07 19 00-0101	LF	14" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	70.63	10.28
		For Work In Restricted Working Space, Add	*7.70*	
23 07 19 00-0102	LF	16" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	82.94	13.13
		For Work In Restricted Working Space, Add	*9.85*	
23 07 19 00-0103	LF	18" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	94.63	13.79
		For Work In Restricted Working Space, Add	*10.34*	
23 07 19 00-0104	LF	20" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	102.56	15.77
		For Work In Restricted Working Space, Add	*11.83*	

23 07 19 00-0105 4" Thick Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0106	LF	1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	28.97	4.79
		For Work In Restricted Working Space, Add	*3.60*	
23 07 19 00-0107	LF	3/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	28.99	4.79
		For Work In Restricted Working Space, Add	*3.60*	
23 07 19 00-0108	LF	1" Diameter Pipe, 4" Thick Calcium Silicate Insulation	29.20	4.88
		For Work In Restricted Working Space, Add	*3.66*	
23 07 19 00-0109	LF	1-1/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	29.96	4.93
		For Work In Restricted Working Space, Add	*3.70*	
23 07 19 00-0110	LF	1-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	31.67	5.09
		For Work In Restricted Working Space, Add	*3.82*	
23 07 19 00-0111	LF	2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	32.34	5.25
		For Work In Restricted Working Space, Add	*3.94*	
23 07 19 00-0112	LF	2-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	35.13	5.33
		For Work In Restricted Working Space, Add	*4.00*	
23 07 19 00-0113	LF	3" Diameter Pipe, 4" Thick Calcium Silicate Insulation	36.16	5.53
		For Work In Restricted Working Space, Add	*4.14*	
23 07 19 00-0114	LF	4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	40.83	5.83
		For Work In Restricted Working Space, Add	*4.37*	
23 07 19 00-0115	LF	6" Diameter Pipe, 4" Thick Calcium Silicate Insulation	47.17	6.61
		For Work In Restricted Working Space, Add	*4.97*	
23 07 19 00-0116	LF	8" Diameter Pipe, 4" Thick Calcium Silicate Insulation	55.95	7.38
		For Work In Restricted Working Space, Add	*5.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0117	LF	10" Diameter Pipe, 4" Thick Calcium Silicate Insulation	64.43	8.53
		For Work In Restricted Working Space, Add	*6.39*	
23 07 19 00-0118	LF	12" Diameter Pipe, 4" Thick Calcium Silicate Insulation	73.82	10.59
		For Work In Restricted Working Space, Add	*7.94*	
23 07 19 00-0119	LF	14" Diameter Pipe, 4" Thick Calcium Silicate Insulation	78.66	11.57
		For Work In Restricted Working Space, Add	*8.67*	
23 07 19 00-0120	LF	16" Diameter Pipe, 4" Thick Calcium Silicate Insulation	93.69	14.79
		For Work In Restricted Working Space, Add	*11.09*	
23 07 19 00-0121	LF	18" Diameter Pipe, 4" Thick Calcium Silicate Insulation	99.53	15.49
		For Work In Restricted Working Space, Add	*11.62*	
23 07 19 00-0122	LF	20" Diameter Pipe, 4" Thick Calcium Silicate Insulation	110.44	17.74
		For Work In Restricted Working Space, Add	*13.30*	

23 07 19 00-0123 Weather-Protective Coating For Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0124	SF	1/4" Thick (Two 1/8" Coats), Weatherproof Coating Over Glass Cloth Mesh (Insulkote ET)	3.73	
		For Work In Restricted Working Space, Add	*0.77*	

23 08 Commissioning Of HVAC *(23)*

See CSI section 23 05 93 00-0000 for testing and balancing.

23 09 Instrumentation And Control For HVAC *(23)*

23 09 13 Instrumentation And Control Devices For HVAC *(23 09)*

23 09 13 56 Pneumatic Tubing *(23 09 13)*

23 09 13 56-0001 Polyurethane Pneumatic Tubing *(23 09 13 56)*

23 09 13 56-0002	LF	1/4" Outside Diameter x 1/32" Thick Wall Polyurethane Pneumatic Tubing	1.62	0.67
23 09 13 56-0003	LF	5/32" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	1.97	0.69
23 09 13 56-0004	LF	3/8" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	2.48	0.71
23 09 13 56-0005	LF	1/2" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	3.05	0.73

23 09 13 56-0006 Fire Resistant Polyethylene Pneumatic Tubing *(23 09 13 56)*

23 09 13 56-0007	LF	1/4" Outside Diameter x .040" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	1.48	0.67
23 09 13 56-0008	LF	5/32" Outside Diameter x .030" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	1.58	0.69
23 09 13 56-0009	LF	3/8" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	1.77	0.71
23 09 13 56-0010	LF	1/2" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	2.12	0.73

23 09 13 56-0011 Nylon Pneumatic Tubing *(23 09 13 56)*

23 09 13 56-0012	LF	1/8" Outside Diameter x .016" Thick Wall Nylon Pneumatic Tubing	1.68	0.65
23 09 13 56-0013	LF	1/4" Outside Diameter x .035" Thick Wall Nylon Pneumatic Tubing	2.13	0.67
23 09 13 56-0014	LF	3/8" Outside Diameter x .050" Thick Wall Nylon Pneumatic Tubing	3.05	0.71
23 09 13 56-0015	LF	1/2" Outside Diameter x .062" Thick Wall Nylon Pneumatic Tubing	3.82	0.73

23 09 13 56-0016 Flexible Vinyl Pneumatic Tubing *(23 09 13 56)*

23 09 13 56-0017	LF	1/4" Outside Diameter Flexible Vinyl Pneumatic Tubing	1.66	0.67
23 09 13 56-0018	LF	3/8" Outside Diameter Flexible Vinyl Pneumatic Tubing	2.49	0.71
23 09 13 56-0019	LF	1/2" Outside Diameter Flexible Vinyl Pneumatic Tubing	2.94	0.73
23 09 13 56-0020	LF	5/8" Outside Diameter Flexible Vinyl Pneumatic Tubing	3.50	0.76
23 09 13 56-0021	LF	3/4" Outside Diameter Flexible Vinyl Pneumatic Tubing	3.92	0.78
23 09 13 56-0022	LF	1" Outside Diameter Flexible Vinyl Pneumatic Tubing	5.23	0.80

23 09 13 56-0023 Braided Vinyl Pneumatic Tubing *(23 09 13 56)*

23 09 13 56-0024	LF	5/8" Outside Diameter Braided Vinyl Pneumatic Tubing	2.17	0.76
23 09 13 56-0025	LF	3/4" Outside Diameter Braided Vinyl Pneumatic Tubing	2.46	0.78
23 09 13 56-0026	LF	1" Outside Diameter Braided Vinyl Pneumatic Tubing	2.99	0.80

23 09 13 56-0027 Copper Pneumatic Tubing *(23 09 13 56)*

23 09 13 56-0028	LF	1/4" Outside Diameter Copper Pneumatic Tubing	4.20	1.45
23 09 13 56-0029	LF	3/8" Outside Diameter Copper Pneumatic Tubing	4.77	1.67
23 09 13 56-0030	LF	1/2" Outside Diameter Copper Pneumatic Tubing	5.96	1.92
23 09 13 56-0031	LF	5/8" Outside Diameter Copper Pneumatic Tubing	7.10	2.21
23 09 13 56-0032	LF	3/4" Outside Diameter Copper Pneumatic Tubing	8.64	2.54

23 09 13 56-0033 Brass Couplings *(23 09 13 56)*

See CSI section 22 11 16 00-0285 for copper tubing.

23 09 13 56-0034 Straight Brass Couplings *(23 09 13 56-0033)*

Note: Barb x Barb

23 09 13 56-0035	EA	1/4" x 1/4" Straight Brass Coupling	7.63	3.65
23 09 13 56-0036	EA	3/8" x 1/4" Straight Brass Coupling	7.68	3.65
23 09 13 56-0037	EA	3/8" x 3/8" Straight Brass Coupling	7.73	3.65

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 13 56-0038		Elbow Brass Couplings *(23 09 13 56-0033)* Note: Barb x Barb		
23 09 13 56-0039	EA	1/4" x 1/4" Elbow Brass Coupling	7.91	3.65
23 09 13 56-0040	EA	3/8" x 3/8" Elbow Brass Coupling	8.08	3.65
23 09 13 56-0041		Tee Brass Couplings *(23 09 13 56-0033)* Note: Barb x Barb		
23 09 13 56-0042	EA	1/4" x 1/4" x 1/4" Tee Brass Coupling	12.16	5.69
23 09 13 56-0043	EA	3/8" x 3/8" x 1/4" Tee Brass Coupling	13.57	6.10
23 09 13 56-0044	EA	3/8" x 3/8" x 3/8" Tee Brass Coupling	13.39	6.10

23 09 23 Direct-Digital Control System For HVAC *(23 09)*

23 09 23 00-0001		EMCS General Costs *(23 09 23)*		
23 09 23 00-0002		EMCS System Design Engineering *(23 09 23 00-0001)* Note: Hourly labor rates are used for engineering projects only. Not used in conjunction with construction tasks.		
23 09 23 00-0003	HR	EMCS Site Inspection Of Existing Facilities	204.01	
23 09 23 00-0004	HR	EMCS Engineering Project Management	204.01	
23 09 23 00-0005	HR	EMCS System Engineering, Schematic Design And Layout	216.38	
23 09 23 00-0006	HR	EMCS System Software Programming And Graphics Programming	216.38	
23 09 23 00-0007	HR	EMCS Graphics Picture Creation	139.14	
23 09 23 00-0008	HR	EMCS System Controls Training	204.01	
23 09 23 00-0009	HR	EMCS On Site System Diagnostics Field Technician	204.01	
23 09 23 00-0010	HR	EMCS Remote Technical Support Using Phone Or Internet	170.06	
23 09 23 00-0011	HR	EMCS Travel Time (All Personnel)	176.23	
23 09 23 00-0012		Post Warranty Field Tests, Checkout And Commissioning *(23 09 23 00-0001)* Note: Tasks used for building commissioning of other contractors' work or post warranty service work. A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.		
23 09 23 00-0013	PNT	EMCS Field Test Note: Priced per point. Task used after warranty period only.	108.23	
23 09 23 00-0014	PNT	EMCS Field Checkout And Startup Note: Priced per point. Task used after warranty period only.	108.23	
23 09 23 00-0015	PNT	EMCS Field Commissioning Note: Priced per point. Used when the owner requires an independent commissioning firm.	108.23	
23 09 23 00-0016	EA	EMCS Field Balance Support Note: Priced per controller. Task used after warranty period only.	92.73	
23 09 23 00-0017		EMCS System Engineering/Submittal Design And Layout *(23 09 23 00-0001)* Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.		
23 09 23 00-0018	PNT	EMCS System Engineering/Submittal Design And Layout Note: Priced per point.	36.10	
23 09 23 00-0019		Install EMCS Field Devices And Controllers (Labor Only) *(23 09 23 00-0001)* Note: This section is used when equipment or devices are supplied by others, usually in a maintenance or trouble shooting situation. Excludes cable or conduit between panel and device.		
23 09 23 00-0020	EA	Mount An AHU Control Enclosure On Block, Masonry Or Gypsum Wall	187.03	30.91
23 09 23 00-0021	EA	Install AHU Power Supply In A Control Enclosure	136.01	61.82
23 09 23 00-0022	EA	Install Metal Box And Conduit Stub-Up For Sensor In Masonry Wall	187.03	30.91
23 09 23 00-0023	EA	Install And Wire Room Sensor	51.02	30.91
23 09 23 00-0024	EA	Install And Wire Duct Sensor	68.01	30.91
23 09 23 00-0025	EA	Install And Wire AHU Averaging Sensor	220.99	154.55
23 09 23 00-0026	EA	Install And Wire AHU Humidity Sensor	119.03	46.41
23 09 23 00-0027	EA	Install And Wire AHU CO2 Sensor	170.06	46.41
23 09 23 00-0028	EA	Install And Wire Fan Or Filter DP Switch	170.06	46.41
23 09 23 00-0029	EA	Install And Wire Float Switch	136.01	30.91
23 09 23 00-0030	EA	Install And Wire Freezestat	220.99	154.55
23 09 23 00-0031	EA	Install And Wire Duct Static Pressure Sensor	119.03	61.82
23 09 23 00-0032	EA	Install And Wire Duct High Static Sensor	68.01	30.91
23 09 23 00-0033	EA	Install And Wire Emergency Stop Switch For AHU Or Other Equipment	68.01	30.91
23 09 23 00-0034	EA	Install And Wire Emergency Stop Switch For AHU	204.01	61.82
23 09 23 00-0035	EA	Install And Wire AHU Connection To Starter	204.01	154.55
23 09 23 00-0036	EA	Install And Wire Connection To VFD	374.06	154.55
23 09 23 00-0037	EA	Install And Wire AHU Valve Actuator	102.05	30.91
23 09 23 00-0038	EA	Install And Wire AHU Damper Actuator	204.01	61.82
23 09 23 00-0039	EA	Install And Wire AHU Smoke Detector Or Fire Alarm Relay	119.03	46.41
23 09 23 00-0040	EA	Install And Wire AHU Electropneumatic Transducer	84.98	30.91
23 09 23 00-0041	EA	Install And Wire Electric Heat Or Sequencer	204.01	61.82
23 09 23 00-0042	EA	Install And Wire Connection To Outdoor Compressor	476.03	46.41
23 09 23 00-0043	EA	Install And Wire AHU Magnahelic	170.06	30.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0044	EA	Install And Wire AHU Wireway For Control Enclosure	204.01	61.82
23 09 23 00-0045	EA	Wire And Assemble AHU Control Enclosure Note: Includes installing all panel devices for a medium size panel.	374.06	
23 09 23 00-0046	EA	Field Install And Wire VAV Controller Note: Use when VAV box is previously installed.	136.01	61.82
23 09 23 00-0047	EA	Shop Install And Wire VAV Controller	119.03	
23 09 23 00-0048	EA	Install And Wire VAV Power Supply	51.02	30.91
23 09 23 00-0049	EA	Wire VAV Fan In Parallel Or Series Fan Box	68.01	30.91
23 09 23 00-0050	EA	Install And Wire Fan Coil Unit Controller	340.02	92.73
23 09 23 00-0051	EA	Mount Fan Coil Unit, Heat Pump, Or Unit Ventilator Controller	102.05	
23 09 23 00-0052	EA	Install And Wire Central Plant Controller Note: For programmable DDC controller.	476.03	278.20
23 09 23 00-0053	EA	Mount Central Plant Enclosure For DDC Control Enclosure Note: For programmable DDC controller.	187.03	30.91
23 09 23 00-0054	EA	Install Central Plant Power Supply For DDC Programmable Controller	136.01	61.82
23 09 23 00-0055	EA	Install Central Plant Wireway For Programmable Controller	204.01	61.82
23 09 23 00-0056	EA	Install And Wire Chiller Controls For Enable And Setpoint Controls	408.03	92.73
23 09 23 00-0057	EA	Install And Wire Chiller Flow Switch	408.03	185.47
23 09 23 00-0058	EA	Install And Wire Chiller DP Transmitter Note: Includes installing copper tubing connection to water piping.	1,530.14	92.73
23 09 23 00-0059	EA	Install And Wire Boiler Controls For Enable And Alarm	306.06	92.73
23 09 23 00-0060	EA	Install And Wire Boiler Safeties Note: For high water, low water and flame safeguard.	306.06	92.73
23 09 23 00-0061	EA	Install Boiler Control Panel Enclosure On Block, Masonry Or Gypsum Wall	680.04	386.43
23 09 23 00-0062	EA	Wire And Terminate Combustion Air Damper	850.10	61.82
23 09 23 00-0063	EA	Wire Oil Tank Interlock For Oil Boiler	425.00	61.82
23 09 23 00-0064	EA	Install And Wire Boiler Emergency Stop Switch	850.10	185.47
23 09 23 00-0065	EA	Wire And Terminate Temperature Well Sensor Note: Excludes well.	84.98	46.41
23 09 23 00-0066	EA	Install And Wire Strap On Sensor	204.01	46.41
23 09 23 00-0067	EA	Install And Wire CO2 Sensor For Room Or Space Note: Excludes stub-up.	170.06	46.41
23 09 23 00-0068	EA	Install And Wire Valve Actuator	170.06	123.64
23 09 23 00-0069	EA	Install And Wire Outside Air Temperature Sensor	306.06	92.73
23 09 23 00-0070	EA	Install And Wire Outside Air Humidity Sensor	152.99	92.73
23 09 23 00-0071	EA	Install And Wire Flow Sensor	374.06	185.47
23 09 23 00-0072	EA	Install And Wire Pressure Sensor For Pump Or Building	374.06	185.47
23 09 23 00-0073	EA	Install And Wire Pump Starter	204.01	46.41
23 09 23 00-0074	EA	Install And Wire Pump VFD	374.06	92.73
23 09 23 00-0075	EA	Install And Wire Pump DP Switch Note: Includes installing copper tubing connection to water piping.	510.08	185.47
23 09 23 00-0076	EA	Install And Wire System DP Transmitter Note: Includes installing copper tubing connection to water piping and wiring remote transmitter.	1,700.19	185.47
23 09 23 00-0077	EA	Mount Starter Sized Up To 100 HP	136.01	92.73
23 09 23 00-0078	EA	Mount VFD Sized Up To 100 HP	340.02	309.11
23 09 23 00-0079	EA	Install And Wire Cooling Tower Control Enclosure	612.04	185.47
23 09 23 00-0080	EA	Install And Wire Vibration Switch For Cooling Tower	374.06	185.47
23 09 23 00-0081	EA	Install And Wire Cooling Tower Basin Heater	204.01	185.47
23 09 23 00-0082	EA	Install And Wire Basin Water Temperature Switch	204.01	92.73
23 09 23 00-0083	EA	Install And Wire Cooling Tower Make-Up Water Valve	204.01	185.47
23 09 23 00-0084	EA	Install And Wire Cooling Tower Make-Up Water Valve	204.01	185.47
23 09 23 00-0085	EA	Install And Wire Refrigerant Monitor Panel	1,020.14	386.43
23 09 23 00-0086	EA	Install And Wire Break Glass Switch	204.01	92.73
23 09 23 00-0087	EA	Install And Wire Horn/Strobe For Refrigerant Monitor	152.99	61.82
23 09 23 00-0088	EA	Install And Wire Damper Actuator	204.01	61.82
23 09 23 00-0089	EA	Install And Wire Chemical Feed System	1,700.19	386.43
23 09 23 00-0090	EA	Wire And Assemble Control Enclosure Note: Includes installing all panel devices in large size panel.	408.03	
23 09 23 00-0091	EA	Install And Wire Exhaust Fan DDC Control Note: Start or stop and status.	425.00	77.32
23 09 23 00-0092	EA	Install And Wire Exhaust Fan Thermostat Control	136.01	46.41
23 09 23 00-0093	EA	Wire Lighting Contactor (Contactor Installed By Others)	425.00	61.82
23 09 23 00-0094	EA	Wire And Terminate Unit Heater	136.01	46.41
23 09 23 00-0095	EA	Wire Domestic Water Heater For Enable Or Disable	425.00	61.82
23 09 23 00-0096	EA	Wire And Install Current Transformer KWH Meter (With Power Off)	1,360.16	370.93
23 09 23 00-0097	EA	Wire Water Meter (Meter Installed By Others)	1,360.16	92.73
23 09 23 00-0098	EA	Wire Gas Meter (Meter Installed By Others)	1,360.16	92.73
23 09 23 00-0099	EA	Install Wireless Receiver And Wire To DDC Controls	170.06	61.82
23 09 23 00-0100	EA	Install Wireless Sensor	34.04	15.50
23 09 23 00-0101	EA	Wire Split System AC Thermostat	680.04	46.41
23 09 23 00-0102	EA	Wire Sump Pump Monitor Status Switch	510.08	92.73
23 09 23 00-0103	EA	Install Locking Cover/Wire Guard For Thermostat Or Wall Temperature Sensor	68.01	30.91
23 09 23 00-0104	EA	Install And Wire Combination Outside Air Temperature/Outside Air Humidity Sensor	459.05	185.47

23 09 23 00-0105 Honeywell Controls *(23 09 23)*

23 09 23 00-0106 EMCS Central Equipment And Controllers *(23 09 23 00-0105)*

23 09 23 00-0107 EMCS Network Area Controllers (BACnet Or Lon) *(23 09 23 00-0106)*
Note: Includes loading software, software license, loading data base and mounting on wall.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0108	EA	Network Area Java Controller Supporting 126 Devices (Honeywell WC2003B2004) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 minimum RS-232 serial ports, 1 minimum RS-485 electrically isolated ports, 1 LonWorks port (supports 126 devices), and web user interface software.	6,912.84	401.84
23 09 23 00-0109	EA	Network Area Java Controller Supporting 27 Devices (Honeywell WC2003B1022) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-232 port, 1 RS-485 port, 1 LonWorks port with driver, Lon tunnel service, BACnet driver, wind river VxWorks OS with Jeode java virtual machine, Niagara control engine and web user interface software (supports 27 device).	4,906.99	401.84
23 09 23 00-0110	EA	Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201) Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Supports up to 10 devices.	3,890.13	401.84
23 09 23 00-0111	EA	Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-EZ) Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Includes WEB user interface and Enterprise connectivity pack.	4,699.31	401.84
23 09 23 00-0112	EA	Niagara Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LN) Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485 communications. Includes Niagara network ethernet communication between stations.	3,862.27	401.84
23 09 23 00-0113	EA	Web UI Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LU) Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485.	3,862.27	401.84
23 09 23 00-0114	EA	16 Point BACnet IP Network Area Java Controller (Honeywell WEB-216-B) Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	4,142.13	401.84
23 09 23 00-0115	EA	16 Point Web UI And BACnet IP Network Area Java Controller (Honeywell WEB-216-BU) Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	4,435.91	401.84
23 09 23 00-0116	EA	16 Point Niagara Network Area Java Controller (Honeywell WEB-216-N) Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	4,142.13	401.84
23 09 23 00-0117	EA	16 Point Web UI And Niagara Network Area Java Controller (Honeywell WEB-216-NU) Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	4,435.91	401.84
23 09 23 00-0118	EA	34 Point BACnet IP Network Area Java Controller (Honeywell WEB-234-B) Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	4,438.45	401.84
23 09 23 00-0119	EA	34 Point Web UI and BACnet IP Network Area Java Controller (Honeywell WEB-234-BU.) Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.	4,732.23	401.84
23 09 23 00-0120	EA	34 Point Niagara Network Area Java Controller (Honeywell WEB-216-N) Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	4,438.45	401.84
23 09 23 00-0121	EA	34 Point Web UI and Niagara Network Area Java Controller (Honeywell WEB-216-NU) Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.	4,732.23	401.84
23 09 23 00-0122	EA	Network Area Java Controller Supporting 27 Devices (Controller Only) (Honeywell WEB-403-AX) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.	4,685.38	401.84
23 09 23 00-0123	EA	Unrestricted Network Area Java Controller Supporting 27 Devices (Controller Only) Note: Unrestricted limit on connected devices. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. Honeywell WEB-403-EXP-AX. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	5,666.78	401.84
23 09 23 00-0124	EA	Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EZ) Note: Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.	5,969.43	401.84
23 09 23 00-0125	EA	Expanded Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EXP-EZ) Note: Unrestricted limit on connected devices. Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	6,950.83	401.84
23 09 23 00-0126	EA	Network Area Java Controller Supporting 124 Devices (Controller Only) (Honeywell WEB-545-AX) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other WEBs controllers, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Excludes UI service and Enterprise connectivity service.	5,983.36	401.84
23 09 23 00-0127	EA	Easy Pack Network Area Java Controller Supporting 124 Devices (Honeywell WEB-545-EZ) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other JACEs, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Includes WEB-545-AX plus User Interface Station Pack (UI-SP-5XX) and Enterprise Connectivity Station Pack (EC-SP-5XX) bundled as an "easy-order" bundle.	7,853.71	401.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0128		**EMCS Network Interfaces** *(23 09 23 00-0106)* Note: Includes installation, start-up and tech labor.		
23 09 23 00-0129	EA	Serial LonTalk Adapter For LonWorks Bus And A PC (Honeywell Q7760A2001) Note: For desktop computer.	957.60	111.28
23 09 23 00-0130	EA	Serial LonTalk Card For LonWorks Bus And A PC (Honeywell Q7752B2009) Note: For laptop computer.	821.47	74.19
23 09 23 00-0131	EA	FTT-10 To FTT-10 Router (Honeywell Q7751A2010)	1,056.66	139.14
23 09 23 00-0132	EA	4FTT-10 To TP/FTT-1250 Multi Port Router (Honeywell Q7751J2002)	1,582.81	200.97
23 09 23 00-0133	EA	Two Way Lon Repeater (Honeywell Q7740A1008)	849.61	200.97
23 09 23 00-0134	EA	FTT Termination Module For Network Bus (Honeywell 209541B)	67.30	24.73
23 09 23 00-0135		**DDC Application Specific Controller Assemblies** *(23 09 23 00-0106)* Note: Includes submittal generation, installation, field test, checkout and start-up. Includes control enclosure, transformer, terminal strip and ancillary devices. (For example, fan coil unit include valves, actuators with controller and thermostat; VAVs include controller, thermostat and hot water valve if VAV has reheat coil). Excludes graphics and database generation. Excludes discharge air sensor.		
23 09 23 00-0136	EA	Up To 10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	1,626.52	574.94
23 09 23 00-0137	EA	>10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	1,317.41	340.43
23 09 23 00-0138	EA	Up To 10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	1,756.34	574.94
23 09 23 00-0139	EA	>10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	1,447.24	374.22
23 09 23 00-0140	EA	Up To 10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	1,928.95	639.89
23 09 23 00-0141	EA	>10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	1,697.08	479.74
23 09 23 00-0142	EA	Up To 10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	2,383.30	639.89
23 09 23 00-0143	EA	>10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	2,058.78	489.63
23 09 23 00-0144	EA	Up To 10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	1,459.59	639.89
23 09 23 00-0145	EA	>10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	1,150.48	378.35
23 09 23 00-0146	EA	Up To 10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	1,629.64	639.89
23 09 23 00-0147	EA	>10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	1,320.45	426.16
23 09 23 00-0148	EA	Up To 10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies	1,893.29	639.89
23 09 23 00-0149	EA	>10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies	1,578.00	377.53
23 09 23 00-0150	EA	Up To 10 Field Installed Application Specific Fan Coil Unit Controller Assemblies	2,063.34	639.89
23 09 23 00-0151	EA	>10 Field Installed Application Specific Fan Coil Unit Controller Assemblies	1,747.97	425.33
23 09 23 00-0152	EA	Up To 10 Factory Installed Application Specific Unit Ventilator Controller Assemblies	2,348.05	639.89
23 09 23 00-0153	EA	>10 Factory Installed Application Specific Unit Ventilator Controller Assemblies	2,066.80	408.85
23 09 23 00-0154	EA	Up To 10 Field Installed Application Specific Unit Ventilator Controller Assemblies	2,688.15	639.89
23 09 23 00-0155	EA	>10 Field Installed Application Specific Unit Ventilator Controller Assemblies	2,406.82	478.91
23 09 23 00-0156		**DDC Programmable Controller Assemblies** *(23 09 23 00-0106)* Note: Includes installation, field test, checkout and start-up. Includes control enclosure, transformer and terminal strip only. Excludes ancillary devices. Excludes submittal generation/system engineering and database generation. See CSI section 23 09 23 00-0163 for additional components.		
23 09 23 00-0157	EA	3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies	1,681.56	491.52
23 09 23 00-0158	EA	Oversized Enclosure 3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies	1,921.67	491.52
23 09 23 00-0159	EA	6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies	2,529.66	578.07
23 09 23 00-0160	EA	Oversized Enclosure 6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies	2,769.77	578.07
23 09 23 00-0161	EA	10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies	4,488.31	676.99
23 09 23 00-0162	EA	Oversized Enclosure 10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies	4,765.87	676.99
23 09 23 00-0163		**EMCS Optional DDC Controller Hardware** *(23 09 23 00-0106)* Note: Used to expand the capacity of DDC programmable controller assemblies.		
23 09 23 00-0164	EA	6 DO (Repay), 3 AI, 3 DI AHU Controller (Honeywell W7750A2005) Note: For constant volume single zone and heat pump AHUs.	288.72	
23 09 23 00-0165	EA	6 AI, 5 DI, 8 DO (Triac) AHU Controller (Honeywell W7750B2011) Note: For constant volume single zone and heat pump AHUs.	333.68	
23 09 23 00-0166	EA	3 AO, 6 AI, 5 DI, 5 DO (Triac) AHU Controller (Honeywell W7750C2001) Note: For constant volume single zone and heat pump AHUs.	349.50	
23 09 23 00-0167	EA	VAV Controller Compatible Printed Wiring Board (Honeywell W7751B2010)	329.88	
23 09 23 00-0168	EA	VAV Controller With Internally Wired Subbase (Honeywell W7751D2016)	334.94	
23 09 23 00-0169	EA	VAV Controller With Externally Wired Subbase (Honeywell W7751F2011)	327.34	
23 09 23 00-0170	EA	VAV Controller With Premounted ML6161 Actuator (Honeywell W7751H2025)	281.76	
23 09 23 00-0171	EA	VAV Controller With Premounted ML6161 Actuator (Honeywell W7751J2004)	245.03	
23 09 23 00-0172	EA	Fan Coil Unit Controller With Electric Reheat Relay (Honeywell W7752F2002)	359.00	
23 09 23 00-0173	EA	Fan Coil Unit Controller Without Electric Reheat Relay (Honeywell W7752G2000)	321.01	
23 09 23 00-0174	EA	Unit Ventilator Controller With Heating, Cooling, Actuator And Fan Control (Honeywell W7753A2002)	354.57	
23 09 23 00-0175	EA	Building Manager, Monitor And Control HVAC Equipment (Honeywell W7760A2011)	752.83	
23 09 23 00-0176	EA	Plant Controller, Monitor And Control HVAC Equipment (Honeywell W7760C2017)	936.44	
23 09 23 00-0177	EA	Remote IO Device For Ancillary Point Monitoring And Control (Honeywell W7761A2002)	467.91	
23 09 23 00-0178	EA	Remote IO, UUKL-UL 864 Approved (Honeywell W7761A2010)	460.94	
23 09 23 00-0179	EA	Hydronic Controller Without Wall Module (Honeywell W7762B1027)	226.04	
23 09 23 00-0180	EA	Hydronic Controller With Built-in Wall Module (Honeywell W7763C1016)	257.06	
23 09 23 00-0181	EA	IO Module, 24 Volt AC Without Overrides (Honeywell XFC3A06001)	474.87	
23 09 23 00-0182	EA	IO Module, 24 Volt AC With Overrides (Honeywell XFC3D06001)	507.79	
23 09 23 00-0183	EA	AI Module (Honeywell XFL521B)	317.85	
23 09 23 00-0184	EA	AO Module (Honeywell XFL522B)	317.85	
23 09 23 00-0185	EA	DI Module (Honeywell XFL523B)	317.85	
23 09 23 00-0186	EA	DO Module (Honeywell XFL524B)	317.85	
23 09 23 00-0187	EA	Distributed IO, Lonwork Bus Connector Module With Endplate (Honeywell XSL511)	56.35	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0188	EA	Distributed IO, Terminal Block For AI, AO And DI Modules (Honeywell XSL513)	106.37	
23 09 23 00-0189	EA	Distributed IO, Terminal Block For DO Modules (Honeywell XSL514)	104.47	
23 09 23 00-0190	EA	Lon Analog IO Module, 24 Volt AC/DC, 10 Digital Inputs (Honeywell XIO-10DI)	319.75	
23 09 23 00-0191	EA	Lon Hub (Honeywell XIO-HUB)	47.49	
23 09 23 00-0192	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog Outputs (Honeywell XIO-4AO)	319.75	
23 09 23 00-0193	EA	Lon Digital IO, 24 Volt AC/DC, 4 Digital Inputs (Honeywell XIO-4DI)	294.42	
23 09 23 00-0194	EA	Lon Digital IO, 24 Volt AC/DC, 4 Digital Outputs (Honeywell XIO-4DO)	294.42	
23 09 23 00-0195	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog Inputs (Honeywell XIO-4NTC)	310.25	
23 09 23 00-0196	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog PT1000 Inputs (Honeywell XIO-4PT1000)	310.25	
23 09 23 00-0197	EA	Lon Analog IO, 24 Volt AC/DC, 8 Analog Inputs (Honeywell XIO-8AI)	446.38	
23 09 23 00-0198	EA	16 Point IO Module For Network Area Controllers (Honeywell WEB-IO-16) Note: Includes 8 universal inputs, 4 relay outputs, and 4 analog outputs.	526.79	
23 09 23 00-0199	EA	34 Point IO Module For Network Area Controllers (Honeywell W7750A2005) Note: Includes 16 universal inputs, 10 relay outputs, and 8 analog outputs.	1,119.43	

23 09 23 00-0200 EMCS Software *(23 09 23 00-0105)*

23 09 23 00-0201 Software Packages And License *(23 09 23 00-0200)*

Note: Includes installation on equipment.

23 09 23 00-0202	EA	On Board Programming Tool For Network Area Controllers (Honeywell WP-AX-WEB) Note: Requires UI services to be installed on NAC.	357.10	
23 09 23 00-0203	EA	Software Upgrade To Provide Unrestricted Connected Device Limit (Honeywell WEB-403-EXUP-AX) Note: Upgrade existing network area controller. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	1,403.97	
23 09 23 00-0204	EA	WEBStation-AX Software For Windows (Honeywell WEB-S-AX) Note: Includes Archon database. WEBs controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes one copy of WP-AX (WEBPro-AX).	3,988.91	
23 09 23 00-0205	EA	Small Building WEBStation-AX Based Software (Honeywell WEB-S-AX-SBS) Note: For up to 3 NAC controllers. NAC controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes Archon database.	2,374.35	
23 09 23 00-0206	EA	Upgrade Small Building To Large Building Software Note: Upgrade WEB-S-AX-SBS to WEB-S-AX.	2,733.61	
23 09 23 00-0207	EA	Additional Copy Of WEBPro-AX (Honeywell WEB-S-AX-W) Note: One copy is included with WEB-S-AX and WEBStation-AX.	1,940.66	
23 09 23 00-0208	EA	WEBs Energy Suite (WES) Base Software (Honeywell WES-BASE-AX) Note: Includes license for 10 points of E^2 Profiler and 2 licensed meters of Cost Profiler. Limit of one WES-BASE per WEBStation-AX Supervisor. Additional E^2 Profiler point requirements or Cost Profiler meter requirements may use one or any combination of point/meter bundles. One WES-BASE required per WES project.	3,425.42	
23 09 23 00-0209	EA	Perpetual License One Meter Point Bundle Of A Cost Profiler Meter And Two E^2 Profiler Points (Honeywell WES-CP-AX) Note: Can be combined with the required single instance of VES-BASE as well as with any combination of other EP points and CP meters.	484.40	
23 09 23 00-0210	EA	Perpetual License For One Point Of E^2 Profiler (Honeywell WES-E2-AX) Note: Can be combined with the required single instance of VES-BASE as well as with any number of other EP Points and Cost Profiler meters.	335.60	
23 09 23 00-0211	EA	Perpetual License For An Unlimited Bundle Of E2 Points And CP Meters Note: Sold on a per server basis. Purchase of this product must be accompanied by VES-M1-ENT-AX maintenance. The first year price of maintenance is included with VES-ENT-AX.	18,370.53	
23 09 23 00-0212	EA	Annual Maintenance For Enterprise WEBs-AX Energy Suite (Honeywell WES-M1-ENT-AX) Note: The first year cost of VES-M1-ENT-AX is included with VES-ENT-AX. After the first year VES-M1-ENT-AX maintenance fee will be invoiced annually.	16,771.27	
23 09 23 00-0213	EA	Standard WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX)	6,360.73	
23 09 23 00-0214	EA	Small WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX-SBS)	4,746.17	
23 09 23 00-0215	EA	Add 500 Modbus TCP Points To WEBStation With WS-OSD Option (Honeywell WS-MTCP-500)	1,372.06	
23 09 23 00-0216	EA	Add 500 OPC Points To WEBStation With WS-OSD Option (Honeywell WS-OPC-500)	1,372.06	
23 09 23 00-0217	EA	Vykon Oracle Driver For Support Of Oracle Database (Honeywell WS-ORCL) Note: Excludes Oracle.	9,497.40	
23 09 23 00-0218	EA	Open System Driver Option (Honeywell WS-SNMP-500) Note: Adds 25 points each of BACnet IP, OPC (client), Modbus TCP and SNMP to a standard WEBStation. Can be purchase with the WS or added later. Web Supervisor required to purchase this option.	1,266.32	
23 09 23 00-0219	EA	Add 500 SNMP Points To WEBStation With WS-OSD Option (Honeywell WS-SNMP-500)	1,372.06	
23 09 23 00-0220	EA	WEBStation Software WS-1 And First Copy Of WEBPro Software (Honeywell ZW2000A1003) Note: For a single Honeywell WEB NP controller. Excludes software keys for the additional nodes.	3,588.12	
23 09 23 00-0221	EA	WEBStation Additional Node (Honeywell ZW2000B1002)	1,372.06	
23 09 23 00-0222	EA	WEBStation Software And 20 Pack Of Node Software Keys (Honeywell ZW2000C1001)	23,005.24	
23 09 23 00-0223	EA	WEBStation Software And 50 Pack Of Node Software Keys (Honeywell ZW2000D1000)	42,210.88	
23 09 23 00-0224	EA	WEBStation Software And 100 Pack Of Node Software Keys (Honeywell ZW2000E1009)	73,868.88	
23 09 23 00-0225	EA	Master WEBStation Software For Monitoring Multiple WEBStations (Honeywell ZW2000F1008)	3,798.96	
23 09 23 00-0226	EA	Additional Master WEBStation Software Licenses (Honeywell ZW200G1007)	1,899.48	
23 09 23 00-0227	EA	Additional Copies Of Workplace Pro WP-1 (Web Pro) (Honeywell ZW2001A1001)	1,550.64	
23 09 23 00-0228	EA	Upgrade Existing NAC To Provide Unrestricted Connected Device Limit (Honeywell WC2003B1055) Note: As with other WEBs, capacity is limited by the characteristics of the application including size and complexity.	1,688.90	

23 09 23 00-0229 Initial Database Generation *(23 09 23 00-0200)*

23 09 23 00-0230	PNT	Database Generation For Central Plant	55.31	
23 09 23 00-0231	PNT	Database Generation For Programmable Controller Note: For VAV AHU, large CV AHU, or heat exchanger, etc.	55.31	
23 09 23 00-0232	EA	Database Generation For Application Specific Controller Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.	55.31	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0233	EA	Replication Of Database Generation For Application Specific Controller Note: Price per copy made.	38.49	
23 09 23 00-0234	EA	Database Generation For Remote IO Modules, Sensors, Etcetera	38.49	
23 09 23 00-0235		**Application Software Programs** *(23 09 23 00-0200)*		
23 09 23 00-0236	EA	Basic Application Program Package Note: One per project. Includes program inputs, command priorities, alarms, trends for analog and digital points, energy totalization, schedules, calendars, special events, occupied and unoccupied setpoints, ventilation and recirculation modes, hot water reset program, chilled water reset program, condenser water reset program, and fail-over logic.	2,308.01	
23 09 23 00-0237	EA	Optimum Start/Stop Program Note: Priced per controller requiring optimum start programming.	77.15	
23 09 23 00-0238	EA	Duty Cycling Program	36.43	
23 09 23 00-0239	EA	Hot Deck/Cold Deck Reset Application Program	3,965.09	
23 09 23 00-0240	EA	Boiler Optimization Program	5,196.00	
23 09 23 00-0241	EA	Chiller Optimization Program	7,038.51	
23 09 23 00-0242	EA	Lighting Control Program	3,396.51	
23 09 23 00-0243	EA	Demand Limiting Program Note: Priced per controller requiring optimum start programming.	67.67	
23 09 23 00-0244	EA	Email Alarm Server Configuration	2,620.27	
23 09 23 00-0245		**Color Graphics Generation** *(23 09 23 00-0200)* Note: Priced per page.		
23 09 23 00-0246	EA	Single Site Home Page Graphics Page With HTML Navigation Code	1,383.00	
23 09 23 00-0247	EA	Multi Site Home Page Graphics Page With HTML Navigation Code	2,455.48	
23 09 23 00-0248	EA	Color Graphics Page For Central Plant	628.36	
23 09 23 00-0249	EA	Color Graphics Page For Building Floor Plan	580.22	
23 09 23 00-0250	EA	Replication Of Color Graphics Page For Central Plant	315.21	
23 09 23 00-0251	EA	Color Graphics Page For Programmable Controller Note: For VAV AHU, large CV AHU, or heat exchanger, etc.	706.92	
23 09 23 00-0252	EA	Replication Of Color Graphics Page For Programmable Controller Note: Priced per copy made.	151.17	
23 09 23 00-0253	EA	Color Graphics Page For Application Specific Controller Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.	653.83	
23 09 23 00-0254	EA	Replication Of Color Graphics Page For Application Specific Cont Note: Priced per copy made.	65.37	
23 09 23 00-0255		**Sensors, Actuators And Control Devices** *(23 09 23 00-0105)* Note: Includes installation, startup, checkout and miscellaneous parts for installation. Excludes conduit, wire and cable. Excludes engineering and programming labor. Each device is considered one control point. No engineering or programming time required for replacement parts.		
23 09 23 00-0256		**Special Sensors** *(23 09 23 00-0255)*		
23 09 23 00-0257	EA	Dewpoint Sensor (Honeywell C7232B1014)	1,165.88	51.02
23 09 23 00-0258	EA	Enthalpy Sensor -25 To 125 F	1,214.81	51.02
23 09 23 00-0259	EA	Outdoor Mounted Temperature And Humidity Transmitter (Honeywell H7635C1002)	600.69	102.05
23 09 23 00-0260	EA	Freezestat (Honeywell L482A1004)	425.41	170.06
23 09 23 00-0261	EA	Wall Mounted Occupancy Sensor	292.03	51.02
23 09 23 00-0262	EA	Ceiling Mounted Occupancy Sensor	238.10	51.02
23 09 23 00-0263	EA	I/P Positioner With Gauge	279.49	51.02
23 09 23 00-0264	EA	Non Communicating Duct Mounted Smoke Detector With Sampling Tube	335.30	51.02
23 09 23 00-0265	EA	EP Transducer	279.49	34.04
23 09 23 00-0266	EA	Electric Heat Sequencer	449.41	68.01
23 09 23 00-0267		**Meters** *(23 09 23 00-0255)*		
23 09 23 00-0268	EA	KW/KWh Meter/Current Transformer 208 - 480 Volt, Up To 2,400 Amps	2,845.07	408.03
23 09 23 00-0269	EA	KW/KWh Meter/Current Transformer 208 - 480 Volt, Up To 2,400 Amps With LON interface	4,163.75	476.03
23 09 23 00-0270	EA	Current Transformer For KW Meter 1 - 300 Amps	1,025.30	170.06
23 09 23 00-0271	EA	Current Transformer For KW Meter 300 - 800 Amps	1,151.35	170.06
23 09 23 00-0272	EA	Current Transformer For KW Meter 800 - 2,400 Amp	1,393.11	170.06
23 09 23 00-0273		**Direct Coupled Actuators** *(23 09 23 00-0255)*		
23 09 23 00-0274	EA	44 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4105A1002)	400.94	71.13
23 09 23 00-0275	EA	88 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4110A1200)	436.46	71.13
23 09 23 00-0276	EA	175 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4120A1209)	497.52	71.13
23 09 23 00-0277	EA	44 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8105A1008)	380.16	71.13
23 09 23 00-0278	EA	88 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8110A1206)	418.36	71.13
23 09 23 00-0279	EA	175 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8120A1205)	456.18	71.13
23 09 23 00-0280	EA	44 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator	420.45	71.13
23 09 23 00-0281	EA	88 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7510A2206)	474.90	71.13
23 09 23 00-0282	EA	175 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7520A2205)	533.69	71.13
23 09 23 00-0283	EA	44 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7505A2209)	351.83	71.13

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0284	EA	88 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7510A2209)	380.83	71.13
23 09 23 00-0285	EA	175 IN-LB, 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6120A1200)	439.09	71.13
23 09 23 00-0286	EA	175 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7220A2007)	466.51	71.13
23 09 23 00-0287	EA	300 IN-LB, 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6134A10030)	466.17	71.13
23 09 23 00-0288	EA	300 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7234A2008)	541.37	71.13
23 09 23 00-0289	EA	Pneumatic Spring Return Damper Actuator Without Positive Positioner (Honeywell MP909E1018)	363.71	71.13
23 09 23 00-0290	EA	Pneumatic Spring Return Damper Actuator With Positive Positioner (Honeywell MP909H1368)	618.12	71.13
23 09 23 00-0291	EA	Foot Mount Kit With Damper Linkage And Connectors For Direct Coupled Actuator	279.94	71.13
23 09 23 00-0292	EA	Direct Coupled Damper Actuator Enclosure For Outdoor Use	416.56	71.13

23 09 23 00-0293 Thermostats *(23 09 23 00-0105)*

23 09 23 00-0294 Electric And Electronic Thermostats *(23 09 23 00-0293)*

Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as one control point.

23 09 23 00-0295	EA	Line Voltage 120 Volt, Heat/Cool Thermostat (Honeywell T651A3018)	141.62	61.82
23 09 23 00-0296	EA	Electronic Non Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell TH5320)	150.62	61.82
23 09 23 00-0297	EA	Electronic Programmable Heating/Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6110)	165.35	61.82
23 09 23 00-0298	EA	Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6220)	179.05	61.82
23 09 23 00-0299	EA	Electronic Programmable Three Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6320)	189.35	61.82
23 09 23 00-0300	EA	Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH8321)	255.35	61.82
23 09 23 00-0301	EA	Humidity Control Electronic Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7351F)	349.35	61.82
23 09 23 00-0302	EA	Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350H)	564.04	82.43
23 09 23 00-0303	EA	Modulating Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350M)	596.33	82.43

23 09 23 00-0304 Pneumatic Thermostats *(23 09 23 00-0293)*

Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as two control point.

23 09 23 00-0305	EA	Pneumatic Thermostat (Honeywell TP970B2182)	207.89	49.45

23 09 23 00-0306 Thermostats Guards *(23 09 23 00-0293)*

23 09 23 00-0307	EA	9-3/4" x 7-1/4" x 3-3/8" Universal Thermostat Guard (Honeywell TG512A1009)	101.88	41.21
23 09 23 00-0308	EA	7-1/2" x 6-1/2" x 2-15/16" Universal Thermostat Guard (Honeywell TG511)	109.38	41.21
23 09 23 00-0309	EA	5-7/8" x 5-7/8" x 2-1/2" Deep Universal Thermostat Guard (Honeywell TG510)	106.68	41.21

23 09 23 00-0310 Delta Controls *(23 09 23)*

23 09 23 00-0311 Software *(23 09 23 00-0310)*

Note: Excludes programming, set-up and commissioning of application.

23 09 23 00-0312	EA	Orca Software Unlimited Points License (Delta Controls DOW333-USB)	1,309.39	
23 09 23 00-0313	EA	Orca Graphics Module, Delta Controls Orca View With Graphics Creation Capabilities (Delta Controls DOW333-I-USB)	2,104.74	
23 09 23 00-0314	EA	Orca Historical Module, Delta Controls Historian Package With Unlimited Archiving Trend Logs (Delta Controls DHS330-HL-USB)	4,560.27	
23 09 23 00-0315	EA	Web Server Unlimited Points License, Delta Controls Web Server Front End (Delta Controls DWS330-L-USB)	7,272.82	
23 09 23 00-0316	EA	Web Server Limited Points (Maximum I/O 2500) License, Delta Controls Web Server Front End (Delta Controls DWS330-M-USB)	3,764.92	
23 09 23 00-0317	EA	Web Server Limited Points (Maximum I/O 250) License, Delta Controls Web Server Front End (Delta Controls DWS330-S-USB)	1,309.39	
23 09 23 00-0318	EA	100 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.01)	3,063.34	
23 09 23 00-0319	EA	1,000 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.02)	3,764.92	
23 09 23 00-0320	EA	KW Meter With H8163-2400-4-3 Series, With 3, 2,400 Amp CT's And BACnet MS/TP Interface (Delta Controls H8186-CB)	1,389.11	82.43
23 09 23 00-0321	EA	Delta Controls Touch Screen (Delta Controls DHMI-7-I)	1,436.13	

23 09 23 00-0322 EMCS Central Equipment And Controllers *(23 09 23 00-0310)*

23 09 23 00-0323	EA	Fully Programmable, Native BACnet Building Controller, 32 Universal Inputs/32 Analog Or Binary Outputs HOA's, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), SubLAN (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet @ 76800 bps, Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup (Delta Controls DSC-1616E + DFM1616)	5,151.15	329.72
23 09 23 00-0324	EA	Fully Programmable, Native BACnet Building Controller, 16 Universal Inputs/16 Analog Or Binary Outputs HOA'S, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), Sublan (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet @ 76800 Bps (Maximum 12 Devices On LINKnet, With 2 DFM Devices) Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup (Delta Controls DSC-1616E)	4,028.62	329.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0325	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146)	3,093.77	329.72
23 09 23 00-0326	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 8 Analog Or Binary Outputs (Delta Controls DAC-1180)	3,093.77	329.72
23 09 23 00-0327	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146)	3,093.77	329.72
23 09 23 00-0328	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3)	2,922.81	329.72
23 09 23 00-0329	EA	VAV Controllers Are Native BACnet Application Controllers That Are Fully Programmable, Communicate On A RS-485 LAN Using The MS/TP BACnet Protocol, 3 Universal Inputs, 4 Binary Outputs, Actuator Position Feedback, Supports 4 BACstat Network Sensors On LINKnet For Room Sensing And Control Or 2 Delta Field Modules On LINKnet For I/O Expansion (Delta Controls DVC-304AF)	969.88	164.86
23 09 23 00-0330	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240)	894.46	164.86
23 09 23 00-0331	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3)	944.50	164.86
23 09 23 00-0332	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240)	894.46	164.86
23 09 23 00-0333	EA	Remotely Expandable I/O To Delta's BACnet Controllers, 16 Universal Inputs, 16 Analog Outputs (Delta Controls DFM-1616)	1,946.83	206.08
23 09 23 00-0334	EA	Remotely Expandable I/O To Delta's BACnet Controllers, 4 Universal Inputs, 4 Analog Outputs (Delta Controls DFM-440)	513.62	82.43
23 09 23 00-0335	EA	Remotely Expandable I/O To Delta's BACnet™ Controllers, 4 Universal Inputs, 4 Binary Triac Outputs (Delta Controls DFM-404)	545.42	82.43
23 09 23 00-0336	EA	Remotely Expandable I/O To Delta's BACnet™ Controllers, 16 Universal Inputs (Delta Controls DFM-1600)	627.89	82.43

23 09 23 00-0337 Network, VAV And Special Sensors *(23 09 23 00-0310)*

23 09 23 00-0338	EA	BACnet MS/TP VAV Network Room Temperature Sensor With LCD Display (Delta Controls DNS-24)	160.61	26.37
23 09 23 00-0339	EA	BACnet MS/TP VAV Network Temperature And Humidity Sensor With LCD Display (Delta Controls DNS-H24)	214.51	29.68
23 09 23 00-0340	EA	Programmable BACnet MS/TP Thermostat With 8 Button Keypad And LCD Display For DX Unit, Fan Coils And RTU (Delta Controls DAC-T305-G2B)	428.83	36.27

23 09 23 00-0341 Trane Controls *(23 09 23)*

23 09 23 00-0342 Software *(23 09 23 00-0341)*

Note: Excludes programming, set-up and commissioning of application.

23 09 23 00-0343	EA	Summit + Building Management Package (Trane 40201152)	2,180.03	
23 09 23 00-0344	EA	Summit Current Version Software (Trane 40201111)	2,190.14	
23 09 23 00-0345	EA	Summit Customer Upgrade Package, Currently V10-V16 To V17 (Trane 40201113)	513.92	
23 09 23 00-0346	EA	Rover Service Software And Hardware, Complete Kit (Trane X1365150001)	1,642.15	
23 09 23 00-0347	EA	Tracer SC With -X1365152401 - BACnet (2 Pack) (Trane BMSC000AAA011000)	5,906.51	

23 09 23 00-0348 EMCS Central Equipment And Controllers *(23 09 23 00-0341)*

23 09 23 00-0349	EA	Summit BTMX Operator Display Upgrade (Trane 40201224)	3,901.60	329.72
23 09 23 00-0350	EA	Summit BTMX Retrofit Kit For BMTS And BMTW BCU (Trane 49500531)	8,072.51	329.72
23 09 23 00-0351	EA	Summit BTMX Retrofit Kit For Tracer 100 (Trane 49500532)	8,072.51	329.72
23 09 23 00-0352	EA	Summit BTMX, 120 Volt, (Trane BMTX-001-A-A-B0-00)	7,166.86	329.72
23 09 23 00-0353	EA	Summit BTMX, 120 Volt, With Display (Trane BMTX-001-A-A-B0-10)	8,219.85	329.72
23 09 23 00-0354	EA	Summit CCP Upgrade ROM Kit (Trane 40201095)	134.85	20.61
23 09 23 00-0355	EA	Summit Comm5 Repeater (Trane 49500457)	1,045.91	164.86
23 09 23 00-0356	EA	AHU Controller MP580/581 E Board Only (Trane 40201157)	1,707.20	206.08
23 09 23 00-0357	EA	AHU Controller MP581 120 Volt AC With Enclosure And Display (Trane BMTM000AAC01)	2,174.33	247.29
23 09 23 00-0358	EA	AHU Controller MP581 120 Volt AC With Enclosure, No Display (Trane BMTM000AAC00)	1,755.84	247.29
23 09 23 00-0359	EA	AHU Controller MP581 Operator Door Display (Trane 40201156)	1,519.73	247.29
23 09 23 00-0360	EA	AHU Controller MP581 Portable, Rugged, With Case (Trane 49500491)	1,517.91	247.29
23 09 23 00-0361	EA	Controller MP503 I/O Module With Metal Enclosure (Trane 49500590)	657.56	82.43
23 09 23 00-0362	EA	Controller MP503 I/O Module With Plastic Cover (Trane 49500490)	605.54	82.43
23 09 23 00-0363	EA	Controller MP581 EX2 Expansion Module With Metal Enclosure (Trane 49500500)	1,107.08	164.86
23 09 23 00-0364	EA	Controller MP581 EX2 Expansion Module With Plastic Cover (Trane 49500499)	1,063.94	164.86
23 09 23 00-0365	EA	2 Position, FCU Controller ZN511 Zone With Metal Enclosure (Trane 49500569)	586.48	82.43
23 09 23 00-0366	EA	2 Position, FCU Controller ZN511 Zone With Plastic Cover (Trane 4950-0469)	523.85	82.43
23 09 23 00-0367	EA	4 Position, FCU Controller ZN517 Zone With Metal Enclosure (Trane 49500596)	740.62	82.43
23 09 23 00-0368	EA	4 Position, FCU Controller ZN517 Zone With Plastic Cover (Trane 49500496)	678.32	82.43
23 09 23 00-0369	EA	Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 4950049)	592.06	82.43
23 09 23 00-0370	EA	Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 49500496)	567.91	82.43
23 09 23 00-0371	EA	Modulating Tri ST FCU Controller ZN521 Zone With Metal Cover (Trane 49500570)	641.59	82.43
23 09 23 00-0372	EA	Modulating Tri ST FCU Controller ZN521 Zone With Plastic Cover (Trane 49500470)	592.06	82.43
23 09 23 00-0373	EA	DDC VAV Retrofit Kit (Trane VRTODD01)	871.36	164.86
23 09 23 00-0374	EA	DDC VAV Retrofit Kit With Belimo Actuator (Trane VRTODD01BLMO)	932.97	164.86

23 09 23 00-0375 Network, VAV And Special Sensors *(23 09 23 00-0341)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0376	EA	Digital Display Zone Sensor (Trane X13790464010)	130.47	26.37
23 09 23 00-0377	EA	Single Setpoint Wall Mounted Zone Temperature Sensor (Trane X13511529010)	97.09	26.37
23 09 23 00-0378	EA	Wall Mounted Zone Temperature-Only Sensor (Trane X13511528010)	87.61	26.37
23 09 23 00-0379	EA	Ceiling Mount Zone Occupancy Sensor (Trane X13790421-01)	156.86	29.68
23 09 23 00-0380	EA	Zone LCD O/C Setpoint, 3 Speed Fan (Trane 41901121)	105.88	26.37
23 09 23 00-0381	EA	Zone Sensor LCD O/C Setpoint (Trane 41901120)	105.88	26.37
23 09 23 00-0382	EA	Duct CO2 Sensor, 0 To 2,000 ppm (Trane X13790423010)	458.91	47.48
23 09 23 00-0383	EA	Room CO2 Sensor, 0 To 2,000 ppm (Trane X13790422010)	361.44	26.37
23 09 23 00-0384	EA	Transformer 120/24 40 VA (Trane X13550284010)	94.88	26.37
23 09 23 00-0385	EA	Transformer 24 Volt AC Wall Plug-In (Trane 35803005)	80.33	26.37
23 09 23 00-0386	EA	Transformer UL Listed 120 Volt AC, 40 VA (Trane 35812022)	77.12	26.37
23 09 23 00-0387	EA	Controller UC400 VAV Kit With Enclosure, And Belimo (Trane 5189454010)	957.41	328.36
23 09 23 00-0388	EA	Controller UC400 VAV Kit With Enclosure, No Actuator (Trane 5189456010)	924.18	328.36
23 09 23 00-0389	EA	Controller UC400 XM32 Module (4 Relay) (Trane X13651563010)	815.99	328.36
23 09 23 00-0390	EA	Controller UC400 XM70 (8UI,6UI/AO,4R,1P) (Trane X13651568010)	1,382.80	492.52
23 09 23 00-0391	EA	Controller UC400 XM30 I/O Module (4 UI/AO) (Trane X13651537010)	816.40	328.36
23 09 23 00-0392	EA	Controller UC210 VAV With Belimo Actuator (Trane BMUC210AAA0B00011)	890.00	328.36
23 09 23 00-0393	EA	Controller UC210 VAV Without Actuator (Trane BMUC210AAA0100011)	850.20	328.36
23 09 23 00-0394	EA	Controller Optional Metal Enclosure, UC210 (Trane 501898)	345.15	164.16
23 09 23 00-0395	EA	Controller UC400 PM014 24 Volt AC To 1.4 Amp 24 Volt DC (Trane X1365153801)	437.88	164.16
23 09 23 00-0396	EA	Controller Tracer UC600 Controller (Trane BMUC600AAA0100011)	1,496.39	492.52
23 09 23 00-0397	EA	Controller UC600 Tracer TD7 Display (Trane X13651571010)	1,468.21	492.52
23 09 23 00-0398	EA	Controller UC600 TD7 Mounting Bracket (Trane X05010511010)	92.39	32.85
23 09 23 00-0399	EA	Controller UC400 13" DIN Rail Enclosure, 120 Volt (Trane X13651559010)	288.28	59.10
23 09 23 00-0400	EA	SC 24" DIN Rail Enclosure, 120 Volt (Trane X13651552010)	1,512.15	492.52
23 09 23 00-0401	EA	BACnet Term (2 Pack) (Trane X1365152401)	148.93	59.10
23 09 23 00-0402	EA	Tracer ES Add License (Trane X40250125010)	3,195.20	1,313.35
23 09 23 00-0403	EA	Kit - Tracer TU For Controls (Trane X4509151201)	4,485.26	1,313.26
23 09 23 00-0404	EA	Kit - Tracer TU Complete (Trane X4509151301)	5,595.82	1,313.26
23 09 23 00-0405	EA	Tracer TU Adapter Wired/Wireless (Trane X13651529010)	330.47	59.10
23 09 23 00-0406	EA	Sensor Wireless Zone Sensor, Fahrenheit (Trane X13790492010)	189.30	59.10
23 09 23 00-0407	EA	Sensor Wireless Display Sensor (Trane X13790822010)	206.73	59.10
23 09 23 00-0408	EA	Sensor Wireless Receiver, 100mW (Trane X13790854010)	201.22	59.10
23 09 23 00-0409	EA	Sensor Wireless Comm Interface (WCI) Indoor, 100mW (Trane X13790901010)	294.76	59.10
23 09 23 00-0410	EA	Sensor Wireless Comm Interface (WCI) Outdoor, 100mW (Trane X13790941010)	318.57	59.10

23 09 23 00-0411 Johnson Controls *(23 09 23)*

23 09 23 00-0412 Software *(23 09 23 00-0411)*

Note: Excludes programming, set-up and commissioning of application.

23 09 23 00-0413	EA	5 Concurrent User Application And Data Server (Johnson Controls MS-ADS05U-0)	10,229.34	
23 09 23 00-0414	EA	10 Concurrent User External Application And Data Server (Johnson Controls MS-ADX10U-0)	12,087.47	
23 09 23 00-0415	EA	N2 Controllers Commissioning And Download Software (Johnson Controls MW-MTOOL-0)	649.89	
23 09 23 00-0416	EA	N2 Controllers Download Cable Kit (Johnson Controls AS-CBLPRO-2)	956.11	
23 09 23 00-0417	EA	BACnet FEU Controllers Commissioning And Download Software (Johnson Controls MS-CCTSWO-0)	1,650.78	
23 09 23 00-0418	EA	BACnet Controllers Download Bluetooth Converter (Johnson Controls MS-BTCVT-0)	655.07	
23 09 23 00-0419	EA	New User FX Tools Pro CD-Rom (FX Builder, FX Builder Expres, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-0)	652.00	
23 09 23 00-0420	EA	Upgrade FX Tools Pro CD-Rom (FX Builder, FX Builder Expres, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-6)	272.86	

23 09 23 00-0421 Supervisory Controllers *(23 09 23 00-0411)*

23 09 23 00-0422	EA	NAE With 1 RS-485, Support For 50 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE3510-2)	5,034.78	329.72
23 09 23 00-0423	EA	NAE With 1 RS-485, Support For 100 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE4511-2)	7,485.33	329.72
23 09 23 00-0424	EA	NAE With 2 RS-485, Support For 200 Devices (N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE5511-1)	9,941.31	329.72
23 09 23 00-0425	EA	NCE, 33 Points, Network Control Engine, 32 N2 Device Support Supervisory Controllers (Johnson Controls MS-NCE2510-0)	4,090.84	329.72

23 09 23 00-0426 Controllers *(23 09 23 00-0411)*

23 09 23 00-0427	EA	10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-FEU1610-0)	590.13	82.43
23 09 23 00-0428	EA	10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus, Mounting Base And Integral Display (Johnson Controls MS-FEU1620-0)	753.53	164.86
23 09 23 00-0429	EA	17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Mounting Base (Johnson Controls MS-FEU2610-0)	1,034.43	164.86
23 09 23 00-0430	EA	17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Integral Display (Johnson Controls MS-FEU2620-0)	1,197.82	164.86
23 09 23 00-0431	EA	BACnet MS/TP 4-Point I/O Module With 4 BI, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM1710-0)	496.39	82.43
23 09 23 00-0432	EA	BACnet MS/TP 6 Point I/O Module With 2 UI, 2 UO, 2 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM2710-0)	538.05	82.43
23 09 23 00-0433	EA	BACnet MS/TP 12 Point I/O Module with 4 UI, 4 UO, 4 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM3710-0)	600.55	82.43
23 09 23 00-0434	EA	17 Point I/O Module with 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-IOU4710-0)	608.88	82.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0435	EA	BACnet MS/TP Integrated VAV Controller/Actuator/Pressure Sensor (Cooling Only), Field Controller Bus And Sensor Actuator Bus (Johnson Controls MS-VMA1610-0)	584.81	82.43
23 09 23 00-0436	EA	BACnet MS/TP Integrated VAV Controller/Actuator/Pressure Sensor (With Reheat And Fan Control), Field Controller Bus And Sensor Actuator Bus (Johnson Controls MS-VMA1620-0)	609.10	82.43
23 09 23 00-0437	EA	BACnet MS/TP Rooftop Controller For Stand-Alone And Networked Zoning Systems (Johnson Controls TEC2664Z-2)	1,240.34	164.86
23 09 23 00-0438		**Master FX Controllers** *(23 09 23 00-0411)*		
23 09 23 00-0439	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X00-000C)	1,527.80	164.86
23 09 23 00-0440	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X01-000C)	1,626.63	164.86
23 09 23 00-0441	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X02-000C)	1,675.74	164.86
23 09 23 00-0442	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X03-000C)	1,645.90	164.86
23 09 23 00-0443	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X04-000C)	1,599.25	164.86
23 09 23 00-0444	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X11-000C)	1,606.73	164.86
23 09 23 00-0445	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X14-000C)	1,599.25	164.86
23 09 23 00-0446	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X50-000C)	1,626.74	164.86
23 09 23 00-0447	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X51-000C)	1,712.09	164.86
23 09 23 00-0448	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X52-000C)	1,768.99	164.86
23 09 23 00-0449	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X53-000C)	1,740.54	164.86
23 09 23 00-0450	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X54-000C)	1,682.30	164.86
23 09 23 00-0451	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X60-000C)	1,626.74	164.86
23 09 23 00-0452	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X61-000C)	1,712.09	164.86
23 09 23 00-0453	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X62-000C)	1,768.99	164.86
23 09 23 00-0454	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X63-000C)	1,740.54	164.86
23 09 23 00-0455	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X64-000C)	1,682.30	164.86
23 09 23 00-0456	EA	N2 Open Communication Card For FX16 (Johnson Controls LP-NET151-010C)	183.24	41.21
23 09 23 00-0457	EA	LON Communication Card For FX15 and FX16 (Johnson Controls LP-NET152-010C)	253.26	41.21
23 09 23 00-0458	EA	RS-232 Communication Card For FX16 (Johnson Controls LP-NET163-000C)	202.90	41.21
23 09 23 00-0459	EA	BACnet Communications Card For FX16 (Johnson Controls LP-NET164-000C)	183.24	41.21
23 09 23 00-0460	EA	Remote Medium User Interface For FX16 (Johnson Controls LP-DIS60P20-0C)	502.22	41.21
23 09 23 00-0461	EA	Facility Explorer Extension I/O Module (Johnson Controls LP-XT91D00-000C)	466.20	41.21
23 09 23 00-0462	EA	5 UI, 4 BI, 3 AO, 6 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X01-000C)	474.63	41.21
23 09 23 00-0463	EA	5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X11-000C)	474.63	41.21
23 09 23 00-0464	EA	5 UI, 4 BI, 3 AO, 6 Relay DO (Manual Overrides For 2 AO And 4 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X51-000C)	516.76	41.21
23 09 23 00-0465	EA	5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO (Manual Overrides For 2 AO, 2 Triac DO, And 2 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X61-000C)	516.76	41.21
23 09 23 00-0466	EA	6 UI, 12 BI, 4 AO, 9 Relay DO Expansion I/O Module (Johnson Controls LP-XM14X01-000C)	637.87	41.21
23 09 23 00-0467	EA	6 UI, 12 BI, 4 AO, 4 Triac DO Expansion I/O Module (Johnson Controls LP-XM14X11-000C)	637.87	41.21
23 09 23 00-0468	EA	6 UI, 12 BI, 4 AO, 9 Relay DO (Manual Overrides For 3 AO And 7 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X51-000C)	706.32	41.21
23 09 23 00-0469	EA	6 UI, 12 BI, 4 AO, 4 Triac DO, 5 Relay DO (Manual Overrides For 3 AO, 2 Triac DO, And 5 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X61-000C)	706.32	41.21
23 09 23 00-0470		**VAV, Network And Special Sensors** *(23 09 23 00-0411)*		
23 09 23 00-0471	EA	3" x 4-1/2", Surface Or Box Mounted, LCD RH Display, 3% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHR7001-0)	325.61	26.37
23 09 23 00-0472	EA	3" x 4-1/2", Surface Or Box Mounted, Addressing Switch BACnet Temperature Sensor (Johnson Controls NS-BTN7003-0)	119.00	26.37
23 09 23 00-0473	EA	3" x 4-1/2", Surface Or Box Mounted, 3% RH Accuracy, BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHN7001-0)	255.42	26.37
23 09 23 00-0474	EA	3" x 4-1/2", Surface Or Box Mounted, LCD Display, 2% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint Addressing Switch BACnet Temperature And Humidity Sensor (Johnson Controls NS-BPB7003-0)	374.56	26.37
23 09 23 00-0475	EA	3" x 4-1/2", Surface Or Box Mounted, LCD Display, Occupancy Override, Adjustable Temperature Setpoint, BACnet Temperature Sensor (Johnson Controls NS-BTB7001-0)	134.47	26.37
23 09 23 00-0476	EA	3" x 4-1/2", Surface Or Box Mounted CO2 Sensor, 0 To 2,000 ppm (Johnson Controls NS-BCN7004-0)	340.97	26.37
23 09 23 00-0477		**Sensors - Hard Wired Type** *(23 09 23 00-0411)*		
23 09 23 00-0478	EA	Duct Mount Temperature Sensor, Platinum RT, With Handi-Box (Johnson Controls TFDCR00)	128.02	47.48
23 09 23 00-0479	EA	Well Insertion Temperature Sensor, With Stainless 4-1/2" Well (Johnson Controls TIGB1C0)	101.31	26.37
23 09 23 00-0480	EA	BACnet MS/TP Networked, Single Stage Thermostat (Johnson Controls TEC2601-2) Note: For fan coil units, unit heaters and single stage packaged heating/cooling equipment.	256.79	26.37

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0481	EA	BACnet MS/TP Networked Two Outputs, Dehumidification Capability And Three Speed Fan Control Thermostat (Johnson Controls TEC2616-2)	342.30	26.37
		Note: For two or four pipe fan coils, cabinet unit heaters or other equipment using on/off, floating, or proportional 0 to 10 VDC control input, three speeds of fan control, and dehumidification capability.		
23 09 23 00-0482	EA	BACnet MS/TP Networked Thermostats With Two Outputs (Johnson Controls TEC2627VVT-2)	257.26	26.37
		Note: For VVT systems.		
23 09 23 00-0483	EA	BACnet MS/TP Zone Controller For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2)	333.34	26.37
23 09 23 00-0484	EA	BACnet Zone Controller With Occupancy Sensor For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2+PIR)	407.34	26.37
23 09 23 00-0485		**Automated Logic Controls** *(23 09 23)*		
23 09 23 00-0486	EA	Up To 25 Point, High Speed Ethernet Router (Automated Logic LGR25)	2,707.11	263.77
23 09 23 00-0487	EA	Up To 250 Point, High Speed Ethernet Router (Automated Logic LGR250)	3,178.28	263.77
23 09 23 00-0488	EA	Up To 1,000 Point, High Speed Ethernet Router (Automated Logic LGR1000)	4,747.41	263.77
23 09 23 00-0489	EA	Up 25 Point, Router/Gateway/Processor Multi-Purpose Module (Automated Logic ME-LGR25)	3,085.73	263.77
23 09 23 00-0490	EA	Up 200 Point, Router/Gateway/Processor Multi-Purpose Module (Automated Logic ME-LGR200)	5,126.02	263.77
23 09 23 00-0491	EA	ME812u Controller And Router (Automated Logic ME812u-LGR)	7,096.95	527.54
23 09 23 00-0492	EA	4 Universal Outputs, 8 Universal Inputs I/O Expander (Automated Logic MEx48u)	2,107.65	263.77
23 09 23 00-0493	EA	8 Universal Outputs, 8 Universal Inputs I/O Expander (Automated Logic MEx88u)	2,450.50	263.77
23 09 23 00-0494	EA	0 Universal Outputs, 16 Universal Inputs I/O Expander (Automated Logic MEx016u)	2,254.88	263.77
23 09 23 00-0495	EA	8 Universal Outputs, 16 Universal Inputs I/O Expander (Automated Logic MEx816u)	5,064.04	659.43
23 09 23 00-0496	EA	0 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0100)	2,082.92	197.83
23 09 23 00-0497	EA	0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0320)	4,860.52	593.49
23 09 23 00-0498	EA	2 Digital Outputs, 2 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M220nx)	1,519.21	197.83
23 09 23 00-0499	EA	4 Digital Outputs, 10 Universal Inputs, 6 Analog Outputs Standalone Control Module (Automated Logic M4106nx)	3,001.59	263.77
23 09 23 00-0500	EA	8 Digital Outputs, 10 Universal Inputs, 2 Analog Outputs Standalone Control Module (Automated Logic M8102nx)	2,959.52	263.77
23 09 23 00-0501	EA	16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M16160)	4,909.41	527.54
23 09 23 00-0502	EA	8 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M880nx)	2,686.08	263.77
23 09 23 00-0503	EA	0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX0320)	2,604.56	197.83
23 09 23 00-0504	EA	16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX16160)	4,657.00	527.54
23 09 23 00-0505	EA	No Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642)	947.60	131.89
23 09 23 00-0506	EA	With Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642D)	989.66	131.89
23 09 23 00-0507	EA	6 Digital Outputs, 10 Universal Inputs, 4 Analog Outputs Single Equipment Control Module (Automated Logic SE6104a)	3,191.45	461.61
23 09 23 00-0508	EA	6 Digital Outputs, 16 Universal Inputs, 6 Analog Outputs Single Equipment Control Module (Automated Logic SE6166)	3,878.75	527.54
23 09 23 00-0509	EA	2 Digital Outputs, 2 Universal Inputs Zone Controller (Automated Logic ZN220)	1,151.11	197.83
23 09 23 00-0510	EA	2 Digital Outputs, 5 Universal Inputs, 3 Analog Outputs Zone Controller (Automated Logic ZN253)	1,313.07	197.83
23 09 23 00-0511	EA	3 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN341+)	1,014.90	131.89
23 09 23 00-0512	EA	1 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN141+)	995.97	131.89
23 09 23 00-0513	EA	5 Digital Outputs, 5 Universal Inputs, 1 Analog Outputs Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic ZN551)	1,260.91	197.83
23 09 23 00-0514	EA	Air Flow Sensor And Damper Actuator Accessory For ZN341V+ Or ZN141V+ (Automated Logic ZASF)	1,157.42	197.83
23 09 23 00-0515	EA	Unlimited Points, Front End Software For Building Control (Automated Logic WC)	7,489.21	
23 09 23 00-0516	EA	500 Point, Front End Software For Building Control (Automated Logic WC500)	3,156.20	
23 09 23 00-0517	EA	Advanced Reporting Option, Front End Software For Building Control (Automated Logic WC-ADV-REP)	1,500.79	
23 09 23 00-0518	EA	Advanced Security Option, Front End Software For Building Control (Automated Logic WC-ADV-SEC)	1,921.47	
23 09 23 00-0519	EA	Advanced Alarming Option, Front End Software For Building Control (Automated Logic WC-ADV-ALARM)	2,160.23	
23 09 23 00-0520	EA	Enterprise Integration Option, Front End Software For Building Control (Automated Logic WC-ENTERPRISE)	2,762.83	
23 09 23 00-0521		**Alerton Controls** *(23 09 23)*		
23 09 23 00-0522	EA	50 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-SMALL)	4,457.87	
23 09 23 00-0523	EA	150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-MEDIUM)	6,730.82	
23 09 23 00-0524	EA	Dashboard Option, 150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-MEDIUM)	16,235.86	
23 09 23 00-0525	EA	Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-LARGE)	12,309.86	
23 09 23 00-0526	EA	Dashboard Option, Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-LARGE)	30,906.68	
23 09 23 00-0527	EA	Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-ENTERPRISE)	18,508.79	
23 09 23 00-0528	EA	Dashboard Option, Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-ENTERPRISE)	37,105.61	
23 09 23 00-0529	EA	Alerton Building Suite Tech License (Alerton ABS-3-TECH)	1,083.54	
23 09 23 00-0530	EA	Enterprise Edition With SQL Server Support, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-ENT1)	14,400.97	
23 09 23 00-0531	EA	Unlimited Controllers, Unlimited Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-LRG)	10,675.41	
23 09 23 00-0532	EA	150 Controllers, 3 Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-MED)	6,701.89	
23 09 23 00-0533	EA	50 Controllers, 1 Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-SM)	4,340.09	
23 09 23 00-0534	EA	10 Controllers, 1 Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-XS)	1,735.09	
23 09 23 00-0535	EA	1 Ethernet, 1 MS/TP, BACtalk Control Module (Alerton 715000100)	2,890.16	197.83
23 09 23 00-0536	EA	Foreign Protocol Converter For P1 Systems, BACtalk Control Module (Alerton BCM-FPCS)	3,819.11	263.77
23 09 23 00-0537	EA	Modbus Gateway, BACtalk Control Module (Alerton BCM-MDBS)	4,178.64	263.77
23 09 23 00-0538	EA	V.90/56K Modem, BACtalk Control Module (Alerton BCM-MDM)	1,671.03	197.83
23 09 23 00-0539	EA	1 MS/TP, BACtalk Control Module (Alerton 715000300)	1,966.52	197.83
23 09 23 00-0540	EA	Power Supply, BACtalk Control Module (Alerton BCM-PWS)	1,580.11	197.83
23 09 23 00-0541	EA	1 TUX Trunk, BACtalk Control Module (Alerton BCM-TUX)	1,770.22	197.83
23 09 23 00-0542	EA	Web Server And Configurator CD, BACtalk Control Module (Alerton BCM-WEB)	4,117.55	197.83
23 09 23 00-0543	EA	BACtalk Field Level Gateway For Modbus (Alerton FLG-MODBUS)	2,126.80	263.77

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0544	EA	EXP BACnet Controller (Alerton VLX)	4,602.80	527.54
23 09 23 00-0545	EA	VLX BACnet High Performance Controller (Alerton VLX-PLATINUM)	5,249.56	527.54
23 09 23 00-0546	EA	Multiple Segment MS/TP Repeater (Alerton MSTP-REP)	609.84	58.74
23 09 23 00-0547	EA	4 Inputs, 2 Flow Transducers, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD)	1,412.74	197.83
23 09 23 00-0548	EA	4 Inputs, 2 Flow Transducers, 3 Binary Triac Outputs, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD7)	1,480.94	197.83
23 09 23 00-0549	EA	4 Inputs, 1 Flow Transducers, 3 Hot-Switching Binary Triac Outputs, 2 Ground-Switching Binary Triac Outputs, Single-Duct VAV Controller (Alerton VAV-SD)	1,245.38	197.83
23 09 23 00-0550	EA	4 Universal Inputs, 5 Binary Outputs, 2 Analog Outputs, Single-Duct VAV Controller (Alerton VAV-SD2A)	1,340.43	197.83
23 09 23 00-0551	EA	5 Universal Inputs, 6 Binary Outputs, Integral Honeywell Actuator, Single-Duct VAV Controller (Alerton VAViH-SD)	1,336.30	197.83
23 09 23 00-0552	EA	11 Inputs, 8 Binary Triac Outputs, 8 Analog Outputs, BACtalk Field Controller For Central Plant Systems (Alerton VLC-1188)	1,809.48	197.83
23 09 23 00-0553	EA	16 Inputs, BACtalk Field Controller (Alerton VLC-1600)	1,464.40	197.83
23 09 23 00-0554	EA	16 Inputs, 16 Binary Triac Outputs, BACtalk Field Controller (Alerton VLC-16160)	2,143.33	263.77
23 09 23 00-0555	EA	4 Universal Inputs, 4 Binary Outputs, 4 Analog Outputs, Field Controller (Alerton VLC-444)	973.51	131.89
23 09 23 00-0556	EA	5 Inputs, 5 Binary Outputs, BACtalk Field Controller (Alerton VLC-550)	948.71	131.89
23 09 23 00-0557	EA	6 Inputs, 2 Binary Triac Outputs, 3 Isolated Relay Outputs, BACtalk Field Controller (Alerton VLC-651R)	1,346.62	197.83
23 09 23 00-0558	EA	6 Inputs, 3 Binary Triac Outputs, 3 Isolated Relay Outputs, BACtalk Field Controller (Alerton VLC-660R)	1,346.62	197.83
23 09 23 00-0559	EA	8 Inputs, 5 Binary Triac Outputs, 3 Analog Outputs, BACtalk Field Controller (Alerton VLC-853)	1,520.20	197.83
23 09 23 00-0560	EA	16 Universal Inputs, 8 Binary Outputs, 8 Analog Outputs, Field Controller (Alerton VLCA-1688)	2,808.68	263.77
23 09 23 00-0561	EA	2 Fixed Inputs, 3 Universal Inputs, 6 Binary Outputs, 2 Analog Outputs, VisualLogic Display Controller (Alerton VLD-362)	1,385.88	197.83
23 09 23 00-0562	EA	Wireless Door Contact Sensor (Alerton AL-OC-DS)	86.11	7.42
23 09 23 00-0563	EA	One-Speed BACtalk Microset Wall Sensor (Alerton MS-1010-BT)	134.21	7.42
23 09 23 00-0564	EA	One-Speed BACtalk Microset Wall Sensor With RH Sensor (Alerton MS-1010H-BT)	258.20	7.42
23 09 23 00-0565	EA	Three-Speed BACtalk Microset Wall Sensor (Alerton MS-1030-BT)	134.21	7.42
23 09 23 00-0566	EA	Three-Speed BACtalk Microset Wall Sensor With RH Sensor (Alerton MS-1030H-BT)	258.20	7.42
23 09 23 00-0567	EA	BACnet-Compliant Wall Sensor (Alerton TS-1050-BT)	86.69	7.42
23 09 23 00-0568	EA	Wireless Temperature And Humidity Sensor (Alerton WTS-1000-KIT)	347.05	7.42
23 09 23 00-0569	EA	Wireless Temperature And Humidity Sensor With Temperature Adjustment Knob And Manual Override (Alerton WTS-1050-KIT)	388.38	7.42
23 09 23 00-0570	EA	10 12-Bit Inputs, 12 Binary Triac Outputs Expansion Module (Alerton EXP-10-12-0)	1,877.67	197.83
23 09 23 00-0571	EA	10 12-Bit Inputs, 4 Binary Triac Outputs Expansion Module (Alerton EXP-10-4-8)	1,877.67	197.83
23 09 23 00-0572	EA	22 12-Bit Inputs Expansion Module (Alerton EXP-22-0-0)	1,799.15	197.83

23 09 23 00-0573 Siemens Controls *(23 09 23)*

23 09 23 00-0574	EA	Concealed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1083)	183.75	26.37
23 09 23 00-0575	EA	Exposed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1085)	159.75	26.37
23 09 23 00-0576	EA	SPST/Manual Reset, 1" To 12" Set Point Range, Differential Static Pressure Airflow Switch (Siemens 141-0575)	190.92	55.69
23 09 23 00-0577	EA	-0.5" To 0.5" WG, Low Differential Pressure Transmitter (Siemens 141-0591)	289.52	55.69
23 09 23 00-0578	EA	Spring Clip Mounting Kit For Thermostat (Siemens 182-685)	35.54	
23 09 23 00-0579	EA	Two Position, Pneumatic Circuit, RL243 Switching Relay (Siemens 243-0001)	120.86	82.43
23 09 23 00-0580	EA	3/4" Two Way, Normally Closed, 6.3 Cv, FxF, Brass Trim, Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 260-02012)	197.49	14.14
23 09 23 00-0581	EA	1" Three Way, 10 Cv, FxF, Stainless Steel Trim. Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 266-02079)	348.94	25.68
23 09 23 00-0582	EA	1" Three Way, 10 Cv, FxF, Brass Trim, 0 To 10 Volt DC, 4 To 20 mA Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 274-03203)	687.95	25.68
23 09 23 00-0583	EA	1-1/4" Two Way, 16 Cv, FxF, Stainless Steel Trim, 0 To 10 Volt DC Electroninc Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 298-03006)	580.79	32.53
23 09 23 00-0584	EA	36" Rigid Probe, 4 To 20 mA, 20 To 120 Degree F Range, Duct Averaging Sensor (Siemens 535-490-36)	189.22	47.48
23 09 23 00-0585	EA	-58 To 122 Degree F Range, Outside Air Temperature Sensor (Siemens 536-768)	161.23	26.37
23 09 23 00-0586	EA	Unit Conditioner Controller With Secure Mode (Siemens 540-110C)	895.78	131.89
23 09 23 00-0587	EA	9-Pin, Female To RJ-11 Cable (Siemens 540-143)	57.77	
23 09 23 00-0588	EA	Terminal Box Controller, Electronic Output, For Trane (Siemens 540-800)	933.44	131.89
23 09 23 00-0589	EA	MMI Extension Cable (Siemens 545-712)	94.37	
23 09 23 00-0590	EA	Remote Pressure Transmitter (Siemens 547-003)	597.33	26.37
23 09 23 00-0591	EA	Cooling Only, GDE, BACnet Actuating Terminal Equipment Controller (Siemens 550-400)	1,002.89	131.89
23 09 23 00-0592	EA	BACnet Unit Conditioner Fan Coil Controller (Siemens 550-433)	926.06	131.89
23 09 23 00-0593	EA	Insight Advanced Software Package (Siemens 571-010-381-USB) Note: Includes one user license and one sentinel key.	7,642.91	
23 09 23 00-0594	EA	BACnet Client Option For Insight Advanced Software Package (Siemens 571-188)	308.35	
23 09 23 00-0595	EA	Soft Controller Option For Insight Advanced Software Package (Siemens 571-620)	1,282.92	
23 09 23 00-0596	EA	1" Steam, Normally Open, 10 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03059)	229.39	8.54
23 09 23 00-0597	EA	2" Steam, Normally Open, 40 Cv, Stainless Steel Trim, Class 250 Glove Valve (Siemens 599-03062)	477.35	14.81
23 09 23 00-0598	EA	FireFinder XLS Driver, Modular Equipment Controller With RS-485 BLN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, HOA-Ready (Siemens 986-83481C)	7,553.05	329.72
23 09 23 00-0599	EA	SiPass Driver, Modular Equipment Controller With RS-485 ALN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, Modem With HOA (Siemens 986-83482F)	8,440.09	329.72
23 09 23 00-0600	EA	License To Enable 4 TX-I/O Modules On the Island Bus And FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-36.A)	2,661.10	
23 09 23 00-0601	EA	License To Enable FLN Support On PXC-16 or PXC-24 "F" Models (Siemens LSM-FLN)	747.06	
23 09 23 00-0602	EA	License To Enable FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-FLN36.A)	1,821.41	
23 09 23 00-0603	EA	License To Enable BACnet Field Panel Web Server (PXC-36) Or Web Services (PXC-16/24) (Siemens LSM-FPWEB)	1,346.04	
23 09 23 00-0604	EA	License To Enable 4 TX-I/O Modules On the Island Bus On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-IB36.A)	1,221.94	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0605	EA	License To Enable SNMP Agent License To Enable SNMP Agent (Siemens LSM-SNMP)	3,183.55	
23 09 23 00-0606	EA	16-Switch HOA Upgrade Kit (Siemens PXA16-M)	433.16	
23 09 23 00-0607	EA	16-Switch HOA Upgrade Kit (Extended Temp, UL 916) With HMI Cable (Siemens PXA16-MR)	482.98	
23 09 23 00-0608	EA	8-Switch HOA Upgrade Kit (Siemens PXA8-M)	246.53	
23 09 23 00-0609	EA	18" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC18)	353.72	41.21
23 09 23 00-0610	EA	19" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC19)	548.63	41.21
23 09 23 00-0611	EA	34" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC34)	715.06	41.21
23 09 23 00-0612	EA	Serial Cable Required For HOA Or PXM10T/S Connection To Non-Rooftop Variants Of The 16-Point And 24-Point Compact Series (Siemens PXA-HMI.CABLEP5)	25.11	
23 09 23 00-0613	EA	115 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB115V192VA)	589.64	41.21
23 09 23 00-0614	EA	115 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB115V384VA)	840.92	41.21
23 09 23 00-0615	EA	230 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB230V192VA)	682.21	41.21
23 09 23 00-0616	EA	230 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB230V384VA)	946.73	41.21
23 09 23 00-0617	EA	PXC Modular, BACnet/IP Or MS/TP ALN, P1 Or MS/TP FLN, PXX-485.3 Is Also Required As The Connection To The FLN Devices (Siemens PXC00-E96.A)	4,707.82	461.61
23 09 23 00-0618	EA	PXC Modular Series For BACnet Networks, TX-I/O Module, 96 Node (Siemens PXC100-E96.A)	3,280.31	131.89
23 09 23 00-0619	EA	16 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC16.2-E.A)	2,167.70	247.29
23 09 23 00-0620	EA	16 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC16.2-EF.A)	2,319.90	247.29
23 09 23 00-0621	EA	16 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC16.2-M.A)	2,167.70	247.29
23 09 23 00-0622	EA	24 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC24.2-E.A)	2,708.83	263.77
23 09 23 00-0623	EA	24 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-EF.A)	2,784.91	263.77
23 09 23 00-0624	EA	24 Point, BACnet/IP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-ER.A)	2,752.64	263.77
23 09 23 00-0625	EA	24 Point, BACnet/IP ALN, Rooftop, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-ERF.A)	2,899.82	263.77
23 09 23 00-0626	EA	24 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC24.2-M.A)	2,708.83	263.77
23 09 23 00-0627	EA	24 Point, MS/TP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-MR.A)	2,824.10	263.77
23 09 23 00-0628	EA	36 Point, BACnet/IP Or MS/TP ALN Compact Programmable Controller (Siemens PXC36-E.A)	4,406.16	461.61
23 09 23 00-0629	EA	36 Point, BACnet/IP or MS/TP ALN, Island Bus, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC36-EF.A)	6,893.97	527.54
23 09 23 00-0630	EA	License To Enable The Island Bus On PXC00-E96.A and PXC00-PE96.A (Siemens PXF-TXIO.A)	990.92	
23 09 23 00-0631	EA	Controller Mounted Operator Display Module With Point Monitor And Optional Blue Backlight (Siemens PXM10S)	398.34	32.97
23 09 23 00-0632	EA	Controller Mounted Operator Display Module (Siemens PXM10T)	492.94	65.95
23 09 23 00-0633	EA	Provides FLN Support For The PXC Modular, Includes Three RS-485 P1 FLN Connections Or One MS/TP FLN Connection, Maximum Of 96 Devices Supported (Siemens PXX-485.3)	494.17	16.48
23 09 23 00-0634	EA	Digital Temperature Room Unit for TEC, Sensing, Setpoint, Override, Display, No Logo (Siemens QAA2280.FWNC)	148.21	26.37
23 09 23 00-0635	EA	4" Platinum, 1,000 Ohm, 385 Alpha Probe, Immersion Temperature Sensor (Siemens QAE2012.010)	100.77	26.37
23 09 23 00-0636	EA	8" Platinum, 1,000 Ohm, 385 Alpha Probe, Duct Temperature Sensor (Siemens QAM2012.020)	151.15	47.48
23 09 23 00-0637	EA	2 Meter Flexible Duct Temperature Sensor With Four Mounting Clamps (Siemens QAM2120.200)	202.62	47.48
23 09 23 00-0638	EA	10 HP, 240 Volt, NEMA 2 Variable Frequency Drive (Siemens SED2-7.5/22X)	1,884.01	265.59
23 09 23 00-0639	EA	Labels For HOA And TX-I/O Modules (Siemens TXA1.LLT-P100)	0.33	
23 09 23 00-0640	EA	16 Digital Input Module (Siemens TXM1.16D)	931.97	131.89

23 09 23 00-0641 Cypress Envirosystems Controls *(23 09 23)*

23 09 23 00-0642 Wireless Pneumatic Thermostat *(23 09 23 00-0641)*

Note: Wireless pneumatic thermostats, hub and repeaters must be installed by installers certified by the manufacturer.

23 09 23 00-0643	EA	Two-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2DP) Note: One for every thermostat to be retrofitted.	605.83	8.24
		For >50 To 200, Deduct	*-32.16*	
		For >200, Deduct	*-64.26*	
23 09 23 00-0644	EA	Two-Pipe Reverse Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2RP) Note: One for every thermostat to be retrofitted.	605.83	8.24
		For >50 To 200, Deduct	*-32.16*	
		For >200, Deduct	*-64.26*	
23 09 23 00-0645	EA	Single-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1DP) Note: One for every thermostat to be retrofitted.	605.83	8.24
		For >50 To 200, Deduct	*-32.16*	
		For >200, Deduct	*-64.26*	
23 09 23 00-0646	EA	Single-Pipe Indirect Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1RP) Note: One for every thermostat to be retrofitted.	605.83	8.24
		For >50 To 200, Deduct	*-32.16*	
		For >200, Deduct	*-64.26*	
23 09 23 00-0647	EA	Two-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2DP-DB) Note: One for every thermostat to be retrofitted.	691.96	8.24
		For >50 To 200, Deduct	*-36.95*	
		For >200, Deduct	*-73.83*	
23 09 23 00-0648	EA	Two-Pipe Reverse Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2RP-DB) Note: One for every thermostat to be retrofitted.	691.96	8.24
		For >50 To 200, Deduct	*-36.95*	
		For >200, Deduct	*-73.83*	
23 09 23 00-0649	EA	Single-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1DP-DB) Note: One for every thermostat to be retrofitted.	691.96	8.24
		For >50 To 200, Deduct	*-36.95*	
		For >200, Deduct	*-73.83*	
23 09 23 00-0650	EA	Single-Pipe Indirect Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1RP-DB) Note: One for every thermostat to be retrofitted.	691.96	8.24
		For >50 To 200, Deduct	*-36.95*	
		For >200, Deduct	*-73.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0651	EA	Wireless Pneumatic Thermostat Blank Cover (Cypress Envirosystems WPT-800-MCOV) Note: Optional cover.	45.17	8.24
		For >50 To 200, Deduct	*-2.05*	
		For >200, Deduct	*-4.10*	
23 09 23 00-0652	EA	Green Box Controller (Cypress Envirosystems GBC-800-001) Note: One unit for up to 100 thermostats.	3,619.36	8.24
		For 2, Deduct	*-182.90*	
		For >2, Deduct	*-365.48*	
23 09 23 00-0653	EA	WPT USB Hub (Cypress Envirosystems WPT-800-HUSB) Note: One unit for up to 100 thermostats.	419.19	8.24
		For 2, Deduct	*-22.85*	
		For >2, Deduct	*-45.66*	
23 09 23 00-0654	EA	WPT Repeater (Cypress Envirosystems WPT-800-RWAL) Note: One unit for up to 15 thermostats.	471.90	8.24
		For >5 To 10, Deduct	*-23.95*	
		For >10, Deduct	*-47.85*	
23 09 23 00-0655	EA	24 Volt, WPT Repeater (Cypress Envirosystems WPT-800-RWAL24V) Note: One unit for up to 15 thermostats.	583.27	8.24
		For >5 To 10, Deduct	*-27.85*	
		For >10, Deduct	*-55.64*	

23 09 23 00-0656 Melink Intelli-Hood IH3 Controls *(23 09 23)*

23 09 23 00-0657 Kitchen Ventilation Controllers *(23 09 23 00-0656)*

23 09 23 00-0658	EA	Fully Programmable Kitchen Ventilation Controller (Melink Intelli-Hood 2SYS-3001) Note: RS-485 communication protocol supports up to 39 Hood Controllers, 10 graphical user interface devices, 10 auxiliary power supplies, and 10 auxiliary light controllers. Modbus VFD communications interface for support of up to 64 variable frequency drives, programmable I/O points include: 3 digital inputs, 4 digital outputs, 1 analog output, and 1 analog input. BACnet over TCP/IP Interface, Real-Time Clock with battery back-up.	5,751.07	329.72
23 09 23 00-0659	EA	Graphical User Interface (Melink Intelli-Hood 2KPD-3001) Note: Full color 2.5" display and programming interface device. RS-485 communication protocol for interface with main controller.	1,021.89	68.01
23 09 23 00-0660	EA	Hood Controller (Melink Intelli-Hood 2SEN-3001) Note: 6 point field I/O device, RS-485 communication protocol, supports up to 4 field temperature sensors and 1 optic sensor system.	1,780.39	274.49

23 09 23 00-0661 Kitchen Ventilation Sensors *(23 09 23 00-0656)*

23 09 23 00-0662	EA	Duct Mount Stainless Steel RTD (Melink Intelli-Hood 2SEN-3005-Q) Note: Includes UL listed mounting compression fitting, stainless steel probe protection sleeve, RJ-45 communication connector.	314.91	47.48
23 09 23 00-0663	EA	Optic Sensor System For Detection Of Cooking Effluent (Melink Intelli-Hood 2SEN-3004-28) Note: Includes air purge unit, infrared emitter/receiver with stainless steel housings. Auto-calibration, 0.2 second response time, conformal-coated circuit boards, purge pipe assembly complete with UL listed compression fittings, communication interface cables and blower box assembly.	2,621.30	263.77

23 09 23 00-0664 Control Sensors, Meters, Relays, Power Supplies, Valves, Dampers And Actuators *(23 09 23)*

23 09 23 00-0665 Temperature Sensors *(23 09 23 00-0664)*

23 09 23 00-0666	EA	10K Ohm Thermistor Duct Temperature Sensor (Kele ST-D24)	144.95	47.48
23 09 23 00-0667	EA	10K Ohm Thermistor Duct Temperature Sensor, 1/2" LB Conduit Fitting (Kele ST-D24-XCO)	169.40	47.48
23 09 23 00-0668	EA	10K Ohm Thermistor Duct Temperature Sensor With Greenfield Fitting (Kele ST-D24-XG)	148.35	47.48
23 09 23 00-0669	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing (Kele ST-D24-XH)	146.73	47.48
23 09 23 00-0670	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 18" Probe (Kele ST-D24-XH-XL18)	192.41	47.48
23 09 23 00-0671	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 6" Probe (Kele ST-D24-XH-XL6)	155.80	47.48
23 09 23 00-0672	EA	10K Ohm Thermistor Duct Temperature Sensor With Non Metallic Handibox Housing (Kele ST-D24-XHP)	147.48	47.48
23 09 23 00-0673	EA	10K Ohm Thermistor Duct Temperature Sensor With 4" Probe (Kele ST-D24-XL4)	164.13	47.48
23 09 23 00-0674	EA	10K Ohm Thermistor Duct Temperature Sensor With Weatherproof Housing (Kele ST-D24-XW)	160.05	47.48
23 09 23 00-0675	EA	10K Ohm Thermistor Outdoor Air Temperature Sensor (Kele ST-O24)	204.72	65.95
23 09 23 00-0676	EA	10K Ohm Thermistor Outdoor Air Temperature Sensor With 25' Lead (Kele ST-O24-XC25)	210.51	65.95
23 09 23 00-0677	EA	Delta Style Surface Mounted 10K Ohm Thermistor Room Temperature Sensor (Kele BA/10K3-R-N-DF)	84.53	26.37
23 09 23 00-0678	EA	Delta Style Surface Mounted AD592 Room Temperature Sensor (Kele BA/592-10K-R)	86.98	26.37
23 09 23 00-0679	EA	Stainless Steel Plate 1K Ohm Room Temperature Sensor (Kele BA/1K8-SP)	86.98	26.37

23 09 23 00-0680 Water Temperature Sensors *(23 09 23 00-0664)*

23 09 23 00-0681	EA	5" Immersion 20K Ohm Water Temp Sensor (Honeywell C7041D2001)	108.32	51.02
23 09 23 00-0682	EA	Strap-On 20K Ohm Water Temp Sensor (Honeywell C7041K2005)	255.38	51.02

23 09 23 00-0683 Relative Humidity Sensors *(23 09 23 00-0664)*

23 09 23 00-0684	EA	3% Duct Mounted RH Sensor (Kele HD30K)	305.58	47.48
23 09 23 00-0685	EA	10K Ohm Thermistor 3% Duct Mounted RH Sensor (Kele HD30K-T3)	315.25	47.48
23 09 23 00-0686	EA	3% RH Outdoor Air Sensor (Kele HO30K)	360.17	65.95
23 09 23 00-0687	EA	2% Surface Mounted RH Transmitter (Kele HW20K)	259.53	26.37

23 09 23 00-0688 Pressure Sensors *(23 09 23 00-0664)*

23 09 23 00-0689	EA	Differential Pressure Transmitters With NEMA 1 Case, 0 To .5" W.C. (Kele T30-005)	382.92	55.69

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0690	EA	Differential Pressure Transmitters With NEMA 1 Case, 0 To 5" W.C. (Kele T30-050)	352.24	55.69
23 09 23 00-0691	EA	Adjustable Differential Pressure Switches, .05 To 12" W.C. (Kele AFS-222)	169.17	55.69
23 09 23 00-0692	EA	Adjustable Differential Pressure Switches, .05 To 2" W.C. (Kele AFS-262)	170.69	55.69
23 09 23 00-0693	EA	Manual Reset Adjustable Differential Pressure Switches, .4 To 2" W.C. (Kele AFS-460)	181.58	55.69
23 09 23 00-0694	EA	Adjustable Differential Pressure Switches, .05 To 12" W.C., 1/8" NPT (Kele AFS-145)	168.18	55.69
23 09 23 00-0695	EA	Water Differential Pressure Transmitter, 0 To 100psid, Bypass Valve Assembly Option (Kele 360C-P210D-BVA) Note: Excludes pipe fittings.	1,482.84	55.69
23 09 23 00-0696	EA	Water Differential Pressure Transmitter, 0 To 60psid, Bypass Valve Assembly Option (Kele 360C-P160D-BVA) Note: Excludes pipe fittings.	1,482.84	55.69
23 09 23 00-0697	EA	Magnahelic Gauge	434.14	34.04
23 09 23 00-0698		**Water Flow Meters** *(23 09 23 00-0664)*		
23 09 23 00-0699	EA	Insertion Electromagnetic Water Flow Meter (Onicon F-3500) Note: Excludes pipe fittings.	2,695.05	71.84
23 09 23 00-0700	EA	Dual Turbine Insertion Flow Meter With Analog Output (Onicon F-1210) Note: Excludes pipe fittings.	158.87	23.94
23 09 23 00-0701		**Air Flow Monitoring Stations** *(23 09 23 00-0664)*		
23 09 23 00-0702	EA	Analog Transmitter, 2 Point, 3 Sensor Air Flow Monitoring Station (Ebtron GTA116) Note: 10' cable, 36" x 24" typical duct size.	2,138.46	82.77
23 09 23 00-0703	EA	Analog Transmitter, 3 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116) Note: 10' cable, 48" x 36" typical duct size.	3,045.64	82.77
23 09 23 00-0704	EA	Analog Transmitter, 4 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116) Note: 10' cable, 60" x 48" typical duct size.	3,777.03	82.77
23 09 23 00-0705		**Gas Sensors** *(23 09 23 00-0664)*		
23 09 23 00-0706	EA	6-1/4" x 6-1/8" CO2 Sensor, 0-2,000 ppm (Kele WCO-1B)	1,123.67	39.56
23 09 23 00-0707	EA	Wall Mounted CO2 Sensor, 0-2,000 ppm With LCD Display (Kele CD-AW-LCD)	418.30	26.37
23 09 23 00-0708	EA	CO Monitor/Transmitter, 0 To 250 ppm (Kele GMT-CO-S2) Note: Solid state sensor.	897.76	39.56
23 09 23 00-0709	EA	CO2 Transmitter, Duct Mount, No Display, 0-10 Volt DC Out, 24 Volt AC/Volt DC, 0-10 Or 4-20mA, 0-2,000 ppm Range With CD-AD Duct Probe Assembly (CDE CD-AD-LCD; CD-AD)	502.57	47.48
23 09 23 00-0710		**Room Pressure Monitoring** *(23 09 23 00-0664)*		
23 09 23 00-0711	EA	Hospital Room Pressure Monitor With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8640-PM)	1,765.54	43.11
23 09 23 00-0712	EA	Hospital Room Pressure Controller With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8630-PC) Note: Excludes dampers and actuators.	2,820.12	43.11
23 09 23 00-0713	EA	Hospital Room Pressure Status Remote Visual Display (TSI 8694-4)	231.23	25.86
23 09 23 00-0714	EA	Hospital Room Pressure Status Remote Negative/Neutral Key Switch (TSI 8694-7)	264.89	25.86
23 09 23 00-0715		**Current Switches And Current Sensors** *(23 09 23 00-0664)*		
23 09 23 00-0716	EA	Current Sensor, 0-20 Amp, 0-5 Volt DC (Senva C-1203)	82.11	26.37
23 09 23 00-0717	EA	Current Sensor, 0-20 Amp, 4-20mA (Senva C-1205)	84.13	26.37
23 09 23 00-0718	EA	VFD Current Switch, 0.5-135 Amp Range, Split Core (Senva C-2350VFD-L)	105.35	26.37
23 09 23 00-0719	EA	Current Switch, 0.15-100 Amp Range, Split Core With NC Command Relay (Senva C-2300 And CR4-24)	88.20	26.37
23 09 23 00-0720	EA	DC Current Sensor, Split Core, 0-50/100/200 Amp (Selectable), 4-20mA, 0-5 Volt DC (Veris H970HCA)	156.25	26.37
23 09 23 00-0721	EA	DC Current Sensor, Split Core, 0-20/40/80 Amp (Selectable), 0-20mA, 0-5 Volt DC (Veris H970LCC)	156.25	26.37
23 09 23 00-0722	EA	Current Switch, 1-135 Amp, N.O. Contact 1A @ 110 Volt (Veris H709)	106.78	26.37
23 09 23 00-0723	EA	Current Switch, 0-10/20/40 Amp, 4-20mA Analog Output, Solid Core, Loop Powered (Veris H721)	115.72	26.37
23 09 23 00-0724	EA	Energy Meter H8163 Series, With BACnet Output (Veris H8186-CB-BAC)	2,956.29	131.89
23 09 23 00-0725	EA	Power Transducer, Modbus RTU, 100 Amp (Veris H8035-0100-2) Note: 3 phase networked transducer.	460.97	26.37
23 09 23 00-0726	EA	Energy Meter, Three Current Switches, Pulse Output, Phase Loss Alarm Output, 2,400 Amp (Veris H8163-2400-4-3)	681.40	26.37
23 09 23 00-0727	EA	Current Transducer, 0-20 Amp, 0-5 Volt DC (Kele 4CTV)	153.51	26.37
23 09 23 00-0728	EA	Solid Core Fixed Setpoint Digital Output Current Switch (Veris H-800)	208.74	70.06
23 09 23 00-0729	EA	Split Core Fixed Setpoint Digital Output Current Switch (Veris H-900)	216.15	70.06
23 09 23 00-0730	EA	Solid Core Adjustable Setpoint Digital Output Current Sensor (Veris H-708)	224.60	70.06
23 09 23 00-0731	EA	Split Core Adjustable Setpoint Digital Output Current Sensor (Veris H-908)	235.18	70.06
23 09 23 00-0732	EA	Solid And Split Core Adjustable Setpoint Digital Output VFD Current Switch (Veris H-904)	260.52	70.06
23 09 23 00-0733	EA	Toggle Switch	89.82	32.97
23 09 23 00-0734	EA	Maintained Pushbutton Switch	94.59	32.97
23 09 23 00-0735	EA	Manual Time Switch	139.49	32.97
23 09 23 00-0736	EA	Emergency Stop Switch	219.79	32.97
23 09 23 00-0737	EA	Float Switch	232.49	32.97
23 09 23 00-0738	EA	Break Glass Switch	691.13	32.97
23 09 23 00-0739	EA	Boiler E-Stop Switch	467.08	32.97
23 09 23 00-0740		**Relays** *(23 09 23 00-0664)*		
23 09 23 00-0741	EA	DPDT, 24 Volt AC, Blade, Standard Relay (Kele RH2B-UAC24V)	76.04	26.37
23 09 23 00-0742	EA	SPDT, 24 Volt AC/Volt DC, 120 Volt AC Multi-Voltage Relay Module (Kele PAM-1)	85.23	26.37
23 09 23 00-0743	EA	SPDT, 24 Volt AC/Volt DC, 120 Volt AC Power Relay (Kele RIB2401B) Note: Box type.	110.82	32.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0744	EA	Motor Starter Interface, 300msec Pulse (Kele PIL-2)	136.24	26.37
23 09 23 00-0745	EA	DP Relay Socket, DIN Rail Mounted (Kele SH2B-05)	72.51	26.37
23 09 23 00-0746	EA	SP Relay Socket, DIN Rail Mounted (Kele SH1B-05)	70.84	26.37
23 09 23 00-0747	EA	SPDT, 24 Volt AC, Blade, Standard Relay (Kele RH1B-UAC24V)	75.01	26.37
23 09 23 00-0748	EA	DPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH2B-ULAC24V)	71.23	26.37
23 09 23 00-0749	EA	SPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH1B-ULAC24V)	78.41	26.37
23 09 23 00-0750	EA	SPDT Pilot Relay, Universal (Kele RIBU1C) Note: Box type.	101.57	32.97
23 09 23 00-0751	EA	SPST Pilot Relay With HOA Switch (Kele RIBU1S) Note: Box type.	109.87	32.97
23 09 23 00-0752	EA	SPDT 3 Phase Line Voltage Monitor, .1-5 Minute Delay On Break Timer (ICM400)	218.76	32.97
23 09 23 00-0753	EA	SPDT 3-Phase Line Voltage Monitor, 0-10 Minute Delay On Break Timer (ICM450)	259.15	32.97

23 09 23 00-0754 Surge Protectors *(23 09 23 00-0664)*

23 09 23 00-0755	EA	Surge Protector, T100's, Summit, BCU, UPCM, PCM, TCM (Transtector TR2255)	181.15	6.60
23 09 23 00-0756	EA	Surge Protector, 1AC Outlet (Transtector TR2251)	137.70	6.60
23 09 23 00-0757	EA	Surge Protector, 2 AC Outlets (Transtector TR2254)	212.46	6.60
23 09 23 00-0758	EA	Surge Protector, DB-15 Connection (Transtector TR2259-DLP15)	116.49	6.60
23 09 23 00-0759	EA	Surge Protector, DB-25 Connection (Transtector TR2259-DLP25)	116.49	6.60
23 09 23 00-0760	EA	Surge Protector, DB-9 Connection (Transtector TR2259-DLP9)	116.49	6.60
23 09 23 00-0761	EA	Surge Protector, Individual Wire Connection (Transtector TR2258)	167.01	6.60
23 09 23 00-0762	EA	Surge Protector, Trane Communication Links (Transtector TR2257)	104.36	6.60

23 09 23 00-0763 Transformers *(23 09 23 00-0664)*

23 09 23 00-0764	EA	50 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X050CBA)	92.88	26.37
23 09 23 00-0765	EA	75 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X075CAB)	100.26	26.37
23 09 23 00-0766	EA	75 VA, 120/208/240/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X075CBA)	103.54	26.37
23 09 23 00-0767	EA	100 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X100CAB)	106.98	26.37
23 09 23 00-0768	EA	100 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X100CBA)	115.44	26.37

23 09 23 00-0769 Power Supplies *(23 09 23 00-0664)*

23 09 23 00-0770	EA	Solid Core Current Operated Switch, Terminals, Adjustable Trip, 0.5-150A, SPST (Kele RIBXKTA)	118.55	26.37
23 09 23 00-0771	EA	AC/DC Power Supply, 1.2 Amp @ 24 Volt Output (Kele DCPA-1.2)	138.78	26.37
23 09 23 00-0772	EA	DC Power Supply, 5 Volt DC And 24 Volt DC Output (Kele DCP-524)	127.46	26.37
23 09 23 00-0773	EA	DC Power Supply, 24 Volt DC, DIN Rail Mounted (Kele DCP-250-D)	131.62	26.37
23 09 23 00-0774	EA	DC Power Supply, 24 Volt DC, Hub Mounted (Kele DCP-250-H)	131.62	26.37
23 09 23 00-0775	EA	DC Power Supply, 24 Volt DC, Panel Mounted (Kele DCP-250-P)	131.62	26.37
23 09 23 00-0776	EA	DC Power Supply, 24 Volt AC In To Custom DC Out, At 1.5 Amp (Kele DCP-1.5-W-C)	107.20	26.37

23 09 23 00-0777 Control Damper Actuators *(23 09 23 00-0664)*

23 09 23 00-0778	EA	44 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non Spring Return Direct Coupled Control Damper Actuator (Belimo LMB24-SR)	378.53	71.23
23 09 23 00-0779	EA	90 IN-LB, 24 Volt AC/DC, 4-20mA, 2-10 Volt DC, Proportional Control, Non Spring Return Direct Coupled Control Damper Actuator (Belimo NMB24-SR)	396.55	71.23
23 09 23 00-0780	EA	90 IN-LB, 2 Position, 24 To 240 Volt AC Spring Return Direct Coupled Control Damper Actuator (Belimo NFBUP)	457.02	71.23
23 09 23 00-0781	EA	175 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo AMB24-SR)	468.69	71.23
23 09 23 00-0782	EA	90 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Spring Return Direct Coupled Control Damper Actuator (Belimo NFB24-SR)	496.27	71.23
23 09 23 00-0783	EA	360 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo GMB24-SR)	537.63	71.23

23 09 23 00-0784 Valves With Actuator *(23 09 23 00-0664)*

23 09 23 00-0785	EA	1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G215+NV24-MFT US)	415.52	10.49
23 09 23 00-0786	EA	3/4" 2-Way Bronze Globe Valve With Actuator (Belimo G220+NV24-MFT US)	431.03	14.14
23 09 23 00-0787	EA	1" 2-Way Bronze Globe Valve With Actuator (Belimo B225+NV24-MFT US)	472.40	17.12
23 09 23 00-0788	EA	1-1/4" 2-Way Bronze Globe Valve With Actuator (Belimo B232+NV24-MFT US)	516.69	21.68
23 09 23 00-0789	EA	1-1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G240+NV24-MFT US)	588.68	25.03
23 09 23 00-0790	EA	2" 2-Way Bronze Globe Valve With Actuator (Belimo G250+NV24-MFT US)	665.84	29.57
23 09 23 00-0791	EA	2-1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G665+GMX24-MFTX1)	1,246.78	59.14
23 09 23 00-0792	EA	3" 2-Way Bronze Globe Valve With Actuator (Belimo G680+GMX24-MFTX1)	1,353.63	69.21
23 09 23 00-0793	EA	4" 2-Way Bronze Globe Valve With Actuator (Belimo G6100C+GMX24-MFTX1)	1,830.39	101.66
23 09 23 00-0794	EA	5" 2-Way Bronze Globe Valve With Actuator (Belimo G6125C+GMX24-MFTX1)	2,691.33	146.92
23 09 23 00-0795	EA	6" 2-Way Bronze Globe Valve With Actuator (Belimo G6150C+GMX24-MFTX1)	2,981.03	162.65
23 09 23 00-0796	EA	1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G315+NV24-MFT US)	448.79	15.74
23 09 23 00-0797	EA	3/4" 3-Way Bronze Globe Valve With Actuator (Belimo G320+NV24-MFT US)	464.60	21.22
23 09 23 00-0798	EA	1" 3-Way Bronze Globe Valve With Actuator (Belimo G325+NV24-MFT US)	504.41	25.68
23 09 23 00-0799	EA	1-1/4" 3-Way Bronze Globe Valve With Actuator (Belimo G332+NV24-MFT US)	560.79	32.53
23 09 23 00-0800	EA	1-1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G340+NV24-MFT US)	718.61	37.54
23 09 23 00-0801	EA	2" 3-Way Bronze Globe Valve With Actuator (Belimo G350+NV24-MFT US)	798.25	44.36
23 09 23 00-0802	EA	2-1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G765+GMX24-MFTX1)	1,414.05	88.72
23 09 23 00-0803	EA	3" 3-Way Bronze Globe Valve With Actuator (Belimo G780+GMX24-MFTX1)	1,556.82	103.82
23 09 23 00-0804	EA	4" 3-Way Bronze Globe Valve With Actuator (Belimo G7100+2*GMX24-MFTX1)	2,266.08	152.49
23 09 23 00-0805	EA	5" 3-Way Bronze Globe Valve With Actuator (Belimo G7125+2*GMX24-MFTX1)	3,286.56	220.37
23 09 23 00-0806	EA	6" 3-Way Bronze Globe Valve With Actuator (Belimo G7150+2*GMX24-MFTX1)	3,653.20	243.98
23 09 23 00-0807	EA	1/2" Two Way Brass Zone Valve With Actuator (Belimo ZONE215N-35+ZONE24NC)	112.16	10.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0808	EA	3/4" Two Way Brass Zone Valve With Actuator (Belimo ZONE220N-50+ZONE24NC)	129.77	14.14
23 09 23 00-0809	EA	1" Two Way Brass Zone Valve With Actuator (Belimo ZONE225N-80+ZONE24NC)	164.90	17.12
23 09 23 00-0810	EA	1/2" Two Way Brass Zone Valve With Actuator (Belimo ZONE315N-35+ZONE24NC)	133.76	15.74
23 09 23 00-0811	EA	3/4" Two Way Brass Zone Valve With Actuator (Belimo ZONE320N-50+ZONE24NC)	154.86	21.22
23 09 23 00-0812	EA	1" Two Way Brass Zone Valve With Actuator (Belimo ZONE325N-80+ZONE24NC)	194.68	25.68
23 09 23 00-0813	EA	1/2" 2-Way Brass Ball Valve With Actuator (Belimo B215B+LRB24-3)	156.71	10.49
23 09 23 00-0814	EA	3/4" 2-Way Brass Ball Valve With Actuator (Belimo B220B+LRB24-3)	201.89	14.14
23 09 23 00-0815	EA	1" 2-Way Brass Ball Valve With Actuator (Belimo B225+LRB24-3)	209.34	17.12
23 09 23 00-0816	EA	1-1/4" 2-Way Brass Ball Valve With Actuator (Belimo B232+ARB24-3)	273.79	21.68
23 09 23 00-0817	EA	1-1/2" 2-Way Brass Ball Valve With Actuator (Belimo B240+ARB24-3)	282.13	25.03
23 09 23 00-0818	EA	2" 2-Way Brass Ball Valve With Actuator (Belimo B250+ARB24-3)	359.26	29.57
23 09 23 00-0819	EA	2-1/2" 2-Way Brass Ball Valve With Actuator (Belimo B265+ARB24-3)	772.64	59.14
23 09 23 00-0820	EA	3" 2-Way Brass Ball Valve With Actuator (Belimo B280+ARB24-3)	907.07	69.21
23 09 23 00-0821	EA	1/2" 3-Way Brass Ball Valve With Actuator (Belimo B315B+LRB24-3)	188.92	15.74
23 09 23 00-0822	EA	3/4" 3-Way Brass Ball Valve With Actuator (Belimo B320B+LRB24-3)	217.46	21.22
23 09 23 00-0823	EA	1" 3-Way Brass Ball Valve With Actuator (Belimo B325+LRB24-3)	280.60	25.68
23 09 23 00-0824	EA	1-1/4" 3-Way Brass Ball Valve With Actuator (Belimo B331+ARB24-3)	399.55	32.53
23 09 23 00-0825	EA	1-1/2" 3-Way Brass Ball Valve With Actuator (Belimo B341+ARB24-3)	420.55	37.54
23 09 23 00-0826	EA	2" 3-Way Brass Ball Valve With Actuator (Belimo B352+ARB24-3)	553.22	44.36
23 09 23 00-0827	EA	2" 2-Way Butterfly Valve With Actuator (Belimo F650HD+AMB24-3X1)	458.01	54.22
23 09 23 00-0828	EA	2-1/2" 2-Way Butterfly Valve With Actuator (Belimo F665HD+AMB24-3X1)	479.87	59.14
23 09 23 00-0829	EA	3" 2-Way Butterfly Valve With Actuator (Belimo F680HD+GMB24-3X1)	631.27	69.21
23 09 23 00-0830	EA	4" 2-Way Butterfly Valve With Actuator (Belimo F6100HD+2*GMB24-3X1)	997.95	116.18
23 09 23 00-0831	EA	5" 2-Way Butterfly Valve With Actuator (Belimo F6125HD+SY2-24)	1,901.09	146.92
23 09 23 00-0832	EA	6" 2-Way Butterfly Valve With Actuator (Belimo F6150HD+SY3-24)	2,055.01	162.65
23 09 23 00-0833	EA	8" 2-Way Butterfly Valve With Actuator (Belimo F6200HD+SY4-24)	2,857.72	185.90
23 09 23 00-0834	EA	10" 2-Way Butterfly Valve With Actuator (Belimo F6250HD+SY4-24)	3,588.02	227.72
23 09 23 00-0835	EA	12" 2-Way Butterfly Valve With Actuator (Belimo F6300HS+SY4-24)	4,244.55	276.02
23 09 23 00-0836	EA	14" 2-Way Butterfly Valve With Actuator (Belimo F6350HD+SY5-24)	4,714.64	325.31
23 09 23 00-0837	EA	16" 2-Way Butterfly Valve With Actuator (Belimo F6400HD+SY6-110)	6,242.80	357.85
23 09 23 00-0838	EA	18" 2-Way Butterfly Valve With Actuator (Belimo F6450HD+SY8-110)	7,569.29	397.53
23 09 23 00-0839	EA	2" 3-Way Butterfly Valve With Actuator (Belimo F750HD+AMB24-3X1)	847.19	81.33
23 09 23 00-0840	EA	2-1/2" 3-Way Butterfly Valve With Actuator (Belimo F765HD+GMB24-3X1)	998.26	88.72
23 09 23 00-0841	EA	3" 3-Way Butterfly Valve With Actuator (Belimo F780HD+2*GMB24-3X1)	1,233.30	103.82
23 09 23 00-0842	EA	4" 3-Way Butterfly Valve With Actuator (Belimo F7100HD+2*GMB24-3X1)	1,643.85	174.27
23 09 23 00-0843	EA	5" 3-Way Butterfly Valve With Actuator (Belimo F7125HD+SY3-24)	3,056.37	220.37
23 09 23 00-0844	EA	6" 3-Way Butterfly Valve With Actuator (Belimo F7150HD+SY3-24)	3,498.32	243.98
23 09 23 00-0845	EA	8" 3-Way Butterfly Valve With Actuator (Belimo F7200HD+SY4-24)	4,325.92	278.86
23 09 23 00-0846	EA	10" 3-Way Butterfly Valve With Actuator (Belimo F7250HD+SY4-24)	5,731.17	341.58
23 09 23 00-0847	EA	12" 3-Way Butterfly Valve With Actuator (Belimo F7300HD+SY5-24)	5,371.33	414.04
23 09 23 00-0848	EA	14" 3-Way Butterfly Valve With Actuator (Belimo F7350HD+SY6-110)	6,719.33	487.97
23 09 23 00-0849	EA	16" 3-Way Butterfly Valve With Actuator (Belimo F7400HD+SY7-110)	12,256.79	536.76
23 09 23 00-0850	EA	18" 3-Way Butterfly Valve With Actuator (Belimo F7450HD+SY8-110)	18,321.35	596.30

23 09 23 00-0851 Valve Actuators *(23 09 23 00-0664)*

23 09 23 00-0852	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-T)	312.70	67.19
23 09 23 00-0853	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 95 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3)	320.33	67.19
23 09 23 00-0854	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR-T)	352.95	67.19
23 09 23 00-0855	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-S)	364.22	67.19
23 09 23 00-0856	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR)	367.07	67.19
23 09 23 00-0857	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 150 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT)	411.43	67.19
23 09 23 00-0858	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 2.5 Seconds Run Time, 35 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-1)	432.43	67.19
23 09 23 00-0859	EA	24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 150 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT95)	440.54	67.19
23 09 23 00-0860	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 2.5 Seconds Run Time, 35 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-MFT)	460.09	67.19
23 09 23 00-0861	EA	120 Volt AC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-3)	344.66	67.19
23 09 23 00-0862	EA	120 Volt AC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-SR)	385.69	67.19
23 09 23 00-0863	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-T)	385.69	67.19
23 09 23 00-0864	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3)	391.89	67.19
23 09 23 00-0865	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARB24-3-5-14)	398.73	67.19
23 09 23 00-0866	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-S)	440.06	67.19
23 09 23 00-0867	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T)	454.37	67.19
23 09 23 00-0868	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR)	460.57	67.19
23 09 23 00-0869	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, Variable Run Time (90 To 350 Seconds), 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT)	474.04	67.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0870	EA	24 Volt AC/DC Power Supply, Phasecut Control Input, 95 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-PC)	475.84	67.19
23 09 23 00-0871	EA	24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT95)	480.61	67.19
23 09 23 00-0872	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, NEMA 4X, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T N4)	590.31	67.19
23 09 23 00-0873	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, NEMA 4X, Variable Run Time (75 To 350 Seconds), 160 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT-T N4)	630.86	67.19
23 09 23 00-0874	EA	100-240 Volt AC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-3)	431.95	67.19
23 09 23 00-0875	EA	100-240 Volt AC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-SR)	503.98	67.19
23 09 23 00-0876	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 15 Seconds Run Time, 801 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY2-24)	1,254.79	67.19
23 09 23 00-0877	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 1,335 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY3-24)	1,398.84	67.19
23 09 23 00-0878	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 16 Seconds Run Time, 3,560 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY4-24)	1,708.90	67.19
23 09 23 00-0879	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 4,450 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY5-24)	1,925.93	67.19
23 09 23 00-0880	EA	120 Volt AC Power Supply, On/Off Control Input, 28 Seconds Run Time, 5,785 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY6-110)	2,252.68	67.19
23 09 23 00-0881	EA	120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 8,900 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY7-110)	2,651.94	67.19
23 09 23 00-0882	EA	120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 13,350 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY8-110)	3,480.02	67.19
23 09 23 00-0883	EA	120 Volt AC Power Supply, On/Off Control Input, 58 Seconds Run Time, 17,800 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY9-110)	4,253.23	67.19

23 09 23 00-0884 Rectangular Volume Control Dampers *(23 09 23 00-0664)*

Note: Excludes actuators.

23 09 23 00-0885	EA	8" x 8" Low Leakage Volume Control Damper (Johnson Controls VOPSN-008X008)	120.80	26.73
23 09 23 00-0886	EA	10" x 10" Low Leakage Volume Control Damper (Johnson Controls VOPSN-010X010)	135.80	29.32
23 09 23 00-0887	EA	12" x 12" Low Leakage Volume Control Damper (Johnson Controls VOPSN-012X012)	151.64	32.34
23 09 23 00-0888	EA	14" x 14" Low Leakage Volume Control Damper (Johnson Controls VOPSN-014X014)	175.58	37.94
23 09 23 00-0889	EA	16" x 16" Low Leakage Volume Control Damper (Johnson Controls VOPSN-016X016)	198.65	43.11
23 09 23 00-0890	EA	18" x 18" Low Leakage Volume Control Damper (Johnson Controls VOPSN-018X018)	203.07	48.50
23 09 23 00-0891	EA	20" x 20" Low Leakage Volume Control Damper (Johnson Controls VOPSN-020X020)	246.74	53.88
23 09 23 00-0892	EA	24" x 24" Low Leakage Volume Control Damper (Johnson Controls VOPSN-024X024)	294.81	64.66
23 09 23 00-0893	EA	32" x 32" Low Leakage Volume Control Damper (Johnson Controls VOPSN-032X032)	375.22	75.44
23 09 23 00-0894	EA	48" x 48" Low Leakage Volume Control Damper (Johnson Controls VOPSN-048X048)	545.81	86.22
23 09 23 00-0895	EA	60" x 60" Low Leakage Volume Control Damper (Johnson Controls VOPSN-060X060)	974.15	97.00
23 09 23 00-0896	EA	72" x 72" Low Leakage Volume Control Damper (Johnson Controls VOPSN-072X072)	1,230.66	107.78

23 09 23 00-0897 Round Control Galvanized Dampers *(23 09 23 00-0664)*

Note: Excludes actuators.

23 09 23 00-0898	EA	6" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG06)	123.53	32.34
23 09 23 00-0899	EA	8" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG08)	123.58	32.34
23 09 23 00-0900	EA	10" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG10)	128.30	32.34
23 09 23 00-0901	EA	12" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG12)	134.14	32.34
23 09 23 00-0902	EA	14" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG14)	151.63	32.34
23 09 23 00-0903	EA	16" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG16)	175.32	43.11
23 09 23 00-0904	EA	18" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG18)	235.01	45.38
23 09 23 00-0905	EA	20" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG20)	245.49	47.04
23 09 23 00-0906	EA	22" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG22)	260.95	50.70
23 09 23 00-0907	EA	24" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG24)	276.66	54.38

23 09 23 00-0908 Peco Thermostats and Sensors *(23 09 23 00-0664)*

23 09 23 00-0909	EA	3 Heating Stage, 2 Cooling Stage Programmable Thermostat With Humidification/Dehumidification Control (Peco T12532-IAQ)	303.81	61.82
23 09 23 00-0910	EA	3 Heating Stage, 2 Cooling Stage Programmable Thermostat (Peco T12532-001)	385.80	61.82
23 09 23 00-0911	EA	Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SA200-001)	166.29	18.54
23 09 23 00-0912	EA	Wall/Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SB200-001)	140.84	18.54
23 09 23 00-0913	EA	Wall/Ceiling Passive Infrared, 24 Volt, Master Motion Sensor (Peco SD200-001)	221.37	18.54
23 09 23 00-0914	EA	Wall/Ceiling Mount, Passive Infrared, 24 Volt, Master Time Sensor (Peco SD200-002)	190.14	18.54
23 09 23 00-0915	EA	Door Switch Occupancy Sensor (Peco SE200-001)	45.71	18.54
23 09 23 00-0916	EA	Window Switch Occupancy Sensor (Peco SE200-002)	44.05	18.54
23 09 23 00-0917	EA	Power Pack And Controller (Peco SF200-001)	83.43	18.54

23 10 Facility Fuel Systems *(23)*

23 11 Facility Fuel Piping *(23 10)*

23 11 23 Facility Natural-Gas Piping *(23 11)*

23 11 23 00-0001 Corrugated Stainless Steel Tubing (CSST), Flexible Gas Piping *(23 11 23)*

23 11 23 00-0002 Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0001)*

Note: Includes UV resistant polyethylene jacket. Excludes fittings and pipe hangers.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0003	LF	3/8" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	4.27	1.43
23 11 23 00-0004	LF	1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	4.69	1.54
23 11 23 00-0005	LF	3/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	5.60	1.67
23 11 23 00-0006	LF	1" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	7.04	1.76
23 11 23 00-0007	LF	1-1/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	8.27	1.85
23 11 23 00-0008	LF	1-1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	12.51	1.93
23 11 23 00-0009	LF	2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	16.91	2.05
23 11 23 00-0010		Fittings And Accessories For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0001)*		
23 11 23 00-0011		Male Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
23 11 23 00-0012	EA	3/8" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	20.37	
23 11 23 00-0013	EA	3/8" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	20.37	
23 11 23 00-0014	EA	1/2" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	21.84	
23 11 23 00-0015	EA	1/2" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	21.84	
23 11 23 00-0016	EA	3/4" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	26.17	
23 11 23 00-0017	EA	1" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	35.80	
23 11 23 00-0018	EA	1" x 1", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	35.80	
23 11 23 00-0019	EA	1-1/4" x 1-1/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	60.34	
23 11 23 00-0020	EA	1-1/2" x 1-1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	109.84	
23 11 23 00-0021	EA	2" x 2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	177.39	
23 11 23 00-0022		Female Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
23 11 23 00-0023	EA	3/8" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	19.74	
23 11 23 00-0024	EA	1/2" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	21.84	
23 11 23 00-0025	EA	1/2" x 3/8", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	21.84	
23 11 23 00-0026	EA	3/4" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	26.17	
23 11 23 00-0027	EA	3/4" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	26.17	
23 11 23 00-0028	EA	1" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	34.26	
23 11 23 00-0029	EA	1" x 1", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	34.26	
23 11 23 00-0030		Reducing Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
23 11 23 00-0031	EA	3/4" x 1/2", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	26.54	
23 11 23 00-0032	EA	1" x 3/4", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	34.82	
23 11 23 00-0033		Couplings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
23 11 23 00-0034	EA	3/8" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	27.17	
23 11 23 00-0035	EA	1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	30.14	
23 11 23 00-0036	EA	3/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	37.70	
23 11 23 00-0037	EA	1" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	53.79	
23 11 23 00-0038	EA	1-1/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	100.12	
23 11 23 00-0039	EA	1-1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	194.75	
23 11 23 00-0040	EA	2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	322.89	
23 11 23 00-0041		Tees For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
23 11 23 00-0042	EA	1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	37.62	
23 11 23 00-0043	EA	3/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	60.09	
23 11 23 00-0044	EA	1" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	94.73	
23 11 23 00-0045	EA	1-1/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	162.38	
23 11 23 00-0046	EA	1-1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	174.57	
23 11 23 00-0047	EA	2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	200.33	
23 11 23 00-0048		Indoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
23 11 23 00-0049	EA	3/8" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	24.45	
23 11 23 00-0050	EA	1/2" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	25.31	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0051	EA	3/4" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	27.51	
23 11 23 00-0052	EA	1" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	36.82	
23 11 23 00-0053	EA	1" x 1", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	37.34	
23 11 23 00-0054		**Outdoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0055	EA	3/8" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	26.89	
23 11 23 00-0056	EA	1/2" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	27.65	
23 11 23 00-0057	EA	3/4" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	32.47	
23 11 23 00-0058	EA	1" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	38.21	
23 11 23 00-0059	EA	1" x 1", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	38.21	
23 11 23 00-0060		**Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0061	EA	3/8" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	42.71	
23 11 23 00-0062	EA	1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	43.78	
23 11 23 00-0063	EA	3/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	45.89	
23 11 23 00-0064	EA	1" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	72.18	
23 11 23 00-0065	EA	1-1/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	74.92	
23 11 23 00-0066	EA	1-1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	107.46	
23 11 23 00-0067	EA	2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	133.34	
23 11 23 00-0068		**Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0069	EA	3/8" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	45.07	
23 11 23 00-0070	EA	1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	46.11	
23 11 23 00-0071	EA	3/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	50.76	
23 11 23 00-0072	EA	1" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	90.80	
23 11 23 00-0073	EA	1-1/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	93.70	
23 11 23 00-0074	EA	1-1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	128.40	
23 11 23 00-0075	EA	2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	161.70	
23 11 23 00-0076		**Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0077	EA	1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	25.97	
23 11 23 00-0078	EA	3/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	28.03	
23 11 23 00-0079	EA	1" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	42.30	
23 11 23 00-0080	EA	1-1/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	64.76	
23 11 23 00-0081	EA	1-1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	125.14	
23 11 23 00-0082	EA	2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	198.82	
23 11 23 00-0083		**Stub-Outs For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)* Note: Includes mounting plate.		
23 11 23 00-0084	EA	1/2" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	22.43	
23 11 23 00-0085	EA	3/4" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	24.43	
23 11 23 00-0086	EA	1/2" Fireplace Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	22.45	
23 11 23 00-0087	EA	1/2" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	22.53	
23 11 23 00-0088	EA	3/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	23.49	
23 11 23 00-0089	EA	1" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	27.85	
23 11 23 00-0090	EA	1-1/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	33.43	
23 11 23 00-0091		**Flush Mount Gas Valve Kits For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)* Note: Includes flush fitting plastic valve box and 90 degree brass shut-off valve.		
23 11 23 00-0092	EA	1/2" x 1/2", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	63.20	14.97
23 11 23 00-0093	EA	3/4" x 3/4", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	71.30	15.71

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0094		Shut-Off Valves For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
23 11 23 00-0095	EA	3/8" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	45.50	13.09
23 11 23 00-0096	EA	1/2" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	52.97	15.56
23 11 23 00-0097	EA	3/4" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	64.96	18.71
23 11 23 00-0098	EA	1" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	81.38	24.99
23 11 23 00-0099		Manifolds For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
		Note: Includes mounting hardware.		
23 11 23 00-0100	EA	1/2" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	55.85	15.56
23 11 23 00-0101	EA	3/4" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	63.45	18.71
23 11 23 00-0102	EA	1/2" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	59.75	15.56
23 11 23 00-0103	EA	3/4" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	65.98	18.71
23 11 23 00-0104	EA	2" x 1-1/2" Inlet, Four 1" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	126.59	46.77
23 11 23 00-0105		Pressure Regulators For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
23 11 23 00-0106	EA	1/2" Port, 250 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	59.00	15.56
23 11 23 00-0107	EA	1/2" Port, 355 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	59.00	15.56
23 11 23 00-0108	EA	1/2" Port, 425 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	82.31	15.56
23 11 23 00-0109	EA	3/4" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	88.54	18.71
23 11 23 00-0110	EA	3/4" Port, 810 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	88.54	18.71
23 11 23 00-0111	EA	1" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	101.01	24.99
23 11 23 00-0112	EA	1-1/4" Port, 1,000 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	150.43	28.06
23 11 23 00-0113	EA	1/2" Port, 200 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	78.18	15.56
23 11 23 00-0114	EA	3/4" Port, 425 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	194.08	18.71
23 11 23 00-0115	EA	1-1/4" Port, 900 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	470.76	28.06
23 11 23 00-0116		Gas Stops *(23 11 23)*		
23 11 23 00-0117		Brass Gas Stops *(23 11 23 00-0116)*		
		Note: Flat or square head		
23 11 23 00-0118	EA	3/8" Gas Stop, Brass	33.30	8.12
23 11 23 00-0119	EA	1/2" Gas Stop, Brass	32.55	8.12
23 11 23 00-0120	EA	3/4" Gas Stop, Brass	43.11	8.94
23 11 23 00-0121	EA	1" Gas Stop, Brass	57.74	10.16
23 11 23 00-0122	EA	1-1/4" Gas Stop, Brass	75.68	10.81
23 11 23 00-0123	EA	1-1/2" Gas Stop, Brass	92.96	12.52
23 11 23 00-0124	EA	2" Gas Stop, Brass	123.60	14.80
23 11 23 00-0125		Iron Body Gas Stops *(23 11 23 00-0116)*		
23 11 23 00-0126	EA	1/2" Gas Stop, Iron Body	40.08	8.12
23 11 23 00-0127	EA	3/4" Gas Stop, Iron Body	50.52	8.94
23 11 23 00-0128	EA	1" Gas Stop, Iron Body	62.21	10.16
23 11 23 00-0129	EA	1-1/4" Gas Stop, Iron Body	80.02	10.81
23 11 23 00-0130	EA	1-1/2" Gas Stop, Iron Body	98.41	12.52
23 11 23 00-0131	EA	2" Gas Stop, Iron Body	124.84	14.80
23 11 23 00-0132	EA	2-1/2" Gas Stop, Iron Body	224.05	19.98
23 11 23 00-0133	EA	3" Gas Stop, Iron Body	292.91	23.20
23 11 23 00-0134		Bronze Body Solenoid Valves, 150 PSI Gas *(23 11 23)*		
23 11 23 00-0135	EA	1/4" Solenoid Valve, Bronze, 150 PSI, Gas	84.56	8.12
23 11 23 00-0136	EA	1/2" Solenoid Valve, Bronze, 150 PSI, Gas	98.02	8.12
23 11 23 00-0137	EA	3/4" Solenoid Valve, Bronze, 150 PSI, Gas	125.64	8.94
23 11 23 00-0138	EA	1" Solenoid Valve, Bronze, 150 PSI, Gas	184.20	10.16
23 11 23 00-0139	EA	1-1/2" Solenoid Valve, Bronze, 150 PSI, Gas	323.60	12.52
23 11 23 00-0140	EA	2" Solenoid Valve, Bronze, 150 PSI, Gas	537.26	14.80
23 11 23 00-0141	EA	2-1/2" Solenoid Valve, Bronze, 150 PSI, Gas	669.00	19.98
23 11 23 00-0142	EA	3" Solenoid Valve, Bronze, 150 PSI, Gas	993.42	23.20
23 11 33		**Facility Fiberglass Reinforced Piping** *(23 11)*		
23 11 33 00-0001		Fiberglass Reinforced Plastic Pipe And Fittings *(23 11 33)*		
23 11 33 00-0002		Fiberglass Reinforced Plastic Pipe *(23 11 33 00-0001)*		
		Note: For double containment fiberglass pipe, select both outer containment pipe size and inner containment pipe size (include in modifier for use as inner pipe).		
23 11 33 00-0003	LF	2" Fiberglass Reinforced Plastic Pipe	12.99	5.39
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-6.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 33 00-0004	LF	3" Fiberglass Reinforced Plastic Pipe	15.57	6.44
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-7.25*	
23 11 33 00-0005	LF	4" Fiberglass Reinforced Plastic Pipe	21.01	9.51
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-10.67*	
23 11 33 00-0006	LF	5" Fiberglass Reinforced Plastic Pipe	24.49	10.93
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-12.02*	
23 11 33 00-0007	LF	6" Fiberglass Reinforced Plastic Pipe	28.47	12.20
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-13.74*	
23 11 33 00-0008	LF	8" Fiberglass Reinforced Plastic Pipe	38.24	14.69
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-16.51*	
23 11 33 00-0009	LF	10" Fiberglass Reinforced Plastic Pipe	49.92	17.47
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-19.67*	
23 11 33 00-0010	LF	12" Fiberglass Reinforced Plastic Pipe	65.20	22.00
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-24.75*	

23 11 33 00-0011 Fiberglass Reinforced Plastic Fittings *(23 11 33 00-0001)*

23 11 33 00-0012 Fiberglass Reinforced Plastic Flanged 90 Degree Elbows *(23 11 33 00-0011)*

23 11 33 00-0013	EA	2" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	105.04	53.66
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-60.35*	
23 11 33 00-0014	EA	3" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	124.42	64.44
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-72.43*	
23 11 33 00-0015	EA	4" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	148.00	74.84
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-84.14*	
23 11 33 00-0016	EA	5" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	179.88	86.89
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-95.85*	
23 11 33 00-0017	EA	6" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	214.49	97.49
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-109.61*	
23 11 33 00-0018	EA	8" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	299.61	121.82
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-137.02*	
23 11 33 00-0019	EA	10" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	380.76	146.74
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-165.02*	
23 11 33 00-0020	EA	12" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	502.50	181.96
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-204.62*	

23 11 33 00-0021 Fiberglass Reinforced Plastic Flanged 45 Degree Elbows *(23 11 33 00-0011)*

23 11 33 00-0022	EA	2" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	105.23	53.66
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-60.35*	
23 11 33 00-0023	EA	3" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	124.47	64.44
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-72.43*	
23 11 33 00-0024	EA	4" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	148.19	74.91
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-84.20*	
23 11 33 00-0025	EA	5" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	183.06	88.98
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-98.22*	
23 11 33 00-0026	EA	6" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	214.42	97.49
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-109.61*	
23 11 33 00-0027	EA	8" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	299.61	121.82
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-137.02*	
23 11 33 00-0028	EA	10" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	390.07	146.74
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-165.02*	
23 11 33 00-0029	EA	12" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	502.50	181.96
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-204.62*	

23 11 33 00-0030 Fiberglass Reinforced Plastic Flanged Tees *(23 11 33 00-0011)*

23 11 33 00-0031	EA	2" Fiberglass Reinforced Plastic Flanged Tee	156.05	80.52
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-90.53*	
23 11 33 00-0032	EA	3" Fiberglass Reinforced Plastic Flanged Tee	190.35	96.99
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-109.03*	
23 11 33 00-0033	EA	4" Fiberglass Reinforced Plastic Flanged Tee	218.66	112.33
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-126.30*	
23 11 33 00-0034	EA	5" Fiberglass Reinforced Plastic Flanged Tee	265.74	133.43
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-147.39*	
23 11 33 00-0035	EA	6" Fiberglass Reinforced Plastic Flanged Tee	308.18	146.74
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-165.02*	
23 11 33 00-0036	EA	8" Fiberglass Reinforced Plastic Flanged Tee	384.95	181.96
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-204.62*	
23 11 33 00-0037	EA	10" Fiberglass Reinforced Plastic Flanged Tee	542.66	220.11
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-247.52*	
23 11 33 00-0038	EA	12" Fiberglass Reinforced Plastic Flanged Tee	697.85	267.61
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-300.90*	

23 11 33 00-0039 Fiberglass Reinforced Plastic Flanged Wyes *(23 11 33 00-0011)*

23 11 33 00-0040	EA	2" Fiberglass Reinforced Plastic Flanged Wye	179.97	80.52
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-90.53*	
23 11 33 00-0041	EA	3" Fiberglass Reinforced Plastic Flanged Wye	224.41	96.84
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-108.89*	
23 11 33 00-0042	EA	4" Fiberglass Reinforced Plastic Flanged Wye	262.15	112.33
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-126.29*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 33 00-0043	EA	5" Fiberglass Reinforced Plastic Flanged Wye	302.78	133.43
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-147.39*	
23 11 33 00-0044	EA	6" Fiberglass Reinforced Plastic Flanged Wye	338.77	146.74
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-165.02*	
23 11 33 00-0045	EA	8" Fiberglass Reinforced Plastic Flanged Wye	433.32	181.96
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-204.62*	
23 11 33 00-0046	EA	10" Fiberglass Reinforced Plastic Flanged Wye	603.66	220.11
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-247.52*	
23 11 33 00-0047	EA	12" Fiberglass Reinforced Plastic Flanged Wye	764.35	267.61
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-300.90*	

23 11 33 00-0048 Fiberglass Reinforced Plastic Flanged Concentric Reducers *(23 11 33 00-0011)*

23 11 33 00-0049	EA	2" Fiberglass Reinforced Plastic Flanged Concentric Reducer	110.42	53.66
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-60.35*	
23 11 33 00-0050	EA	3" Fiberglass Reinforced Plastic Flanged Concentric Reducer	137.87	64.44
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-72.43*	
23 11 33 00-0051	EA	4" Fiberglass Reinforced Plastic Flanged Concentric Reducer	155.51	74.91
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-84.20*	
23 11 33 00-0052	EA	5" Fiberglass Reinforced Plastic Flanged Concentric Reducer	180.94	88.98
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-98.22*	
23 11 33 00-0053	EA	6" Fiberglass Reinforced Plastic Flanged Concentric Reducer	202.85	97.49
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-109.61*	
23 11 33 00-0054	EA	8" Fiberglass Reinforced Plastic Flanged Concentric Reducer	261.72	121.82
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-137.02*	
23 11 33 00-0055	EA	10" Fiberglass Reinforced Plastic Flanged Concentric Reducer	325.22	146.74
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-165.02*	
23 11 33 00-0056	EA	12" Fiberglass Reinforced Plastic Flanged Concentric Reducer	425.22	181.96
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-204.62*	

23 11 33 00-0057 Fiberglass Reinforced Plastic Bell x Male Or Female Adapters *(23 11 33 00-0011)*

23 11 33 00-0058	EA	2" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	99.73	53.66
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-60.35*	
23 11 33 00-0059	EA	3" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	117.44	64.44
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-72.43*	
23 11 33 00-0060	EA	4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	135.10	74.91
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-84.20*	
23 11 33 00-0061	EA	4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	160.95	88.98
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-98.22*	
23 11 33 00-0062	EA	6" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	183.29	97.49
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-109.61*	
23 11 33 00-0063	EA	8" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	207.84	121.82
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-137.02*	
23 11 33 00-0064	EA	10" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	256.16	146.74
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-165.02*	
23 11 33 00-0065	EA	12" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	351.39	181.96
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-204.62*	

23 11 33 00-0066 Fiberglass Reinforced Plastic Nipples *(23 11 33 00-0011)*

23 11 33 00-0067	EA	2" x 6" Fiberglass Reinforced Plastic Nipple	14.98	6.44
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-7.25*	
23 11 33 00-0068	EA	2" x 12" Fiberglass Reinforced Plastic Nipple	29.89	12.87
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-14.45*	
23 11 33 00-0069	EA	3" x 8" Fiberglass Reinforced Plastic Nipple	38.06	9.88
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-11.12*	
23 11 33 00-0070	EA	3" x 12" Fiberglass Reinforced Plastic Nipple	46.47	13.67
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-15.36*	
23 11 33 00-0071	EA	4" x 8" Fiberglass Reinforced Plastic Nipple	40.22	9.72
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-10.97*	
23 11 33 00-0072	EA	4" x 12" Fiberglass Reinforced Plastic Nipple	51.46	14.62
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-16.44*	
23 11 33 00-0073	EA	6" x 12" Fiberglass Reinforced Plastic Nipple	61.73	16.37
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-18.08*	
23 11 33 00-0074	EA	6" x 12" Fiberglass Reinforced Plastic Nipple	72.02	17.54
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-19.75*	
23 11 33 00-0075	EA	8" x 18" Fiberglass Reinforced Plastic Nipple	49.83	20.46
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-23.02*	
23 11 33 00-0076	EA	8" x 24" Fiberglass Reinforced Plastic Nipple	69.34	29.23
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-32.87*	
23 11 33 00-0077	EA	10" x 18" Fiberglass Reinforced Plastic Nipple	69.41	20.83
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-23.39*	
23 11 33 00-0078	EA	10" x 24" Fiberglass Reinforced Plastic Nipple	104.11	31.13
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-35.03*	
23 11 33 00-0079	EA	12" x 18" Fiberglass Reinforced Plastic Nipple	78.08	21.48
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-24.14*	
23 11 33 00-0080	EA	12" x 24" Fiberglass Reinforced Plastic Nipple	106.48	32.16
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-36.19*	

23 11 33 00-0081 Fiberglass Reinforced Plastic Sleeve Couplings *(23 11 33 00-0011)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 33 00-0082	EA	2" Fiberglass Reinforced Plastic Sleeve Coupling	85.35	53.66
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-60.35*	
23 11 33 00-0083	EA	3" Fiberglass Reinforced Plastic Sleeve Coupling	102.52	64.44
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-72.43*	
23 11 33 00-0084	EA	4" Fiberglass Reinforced Plastic Sleeve Coupling	118.96	74.91
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-84.20*	
23 11 33 00-0085	EA	5" Fiberglass Reinforced Plastic Sleeve Coupling	140.22	88.98
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-98.22*	
23 11 33 00-0086	EA	6" Fiberglass Reinforced Plastic Sleeve Coupling	157.97	97.49
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-109.61*	
23 11 33 00-0087	EA	8" Fiberglass Reinforced Plastic Sleeve Coupling	200.02	121.82
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-137.02*	
23 11 33 00-0088	EA	10" Fiberglass Reinforced Plastic Sleeve Coupling	246.41	146.74
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-165.02*	
23 11 33 00-0089	EA	12" Fiberglass Reinforced Plastic Sleeve Coupling	303.93	181.96
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-204.62*	

23 11 33 00-0090 Fiberglass Reinforced Plastic Flanges *(23 11 33 00-0011)*

23 11 33 00-0091	EA	2" Fiberglass Reinforced Plastic Flange	85.96	53.66
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-60.35*	
23 11 33 00-0092	EA	3" Fiberglass Reinforced Plastic Flange	103.32	64.44
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-72.43*	
23 11 33 00-0093	EA	4" Fiberglass Reinforced Plastic Flange	118.56	73.00
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-82.07*	
23 11 33 00-0094	EA	5" Fiberglass Reinforced Plastic Flange	140.14	86.89
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-95.92*	
23 11 33 00-0095	EA	6" Fiberglass Reinforced Plastic Flange	161.51	97.49
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-109.61*	
23 11 33 00-0096	EA	8" Fiberglass Reinforced Plastic Flange	195.75	116.63
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-131.16*	
23 11 33 00-0097	EA	10" Fiberglass Reinforced Plastic Flange	251.92	146.74
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-165.02*	
23 11 33 00-0098	EA	12" Fiberglass Reinforced Plastic Flange	325.99	181.96
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-204.62*	

23 11 33 00-0099 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing And Fittings *(23 11 33)*

23 11 33 00-0100 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing *(23 11 33 00-0099)*

23 11 33 00-0101	LF	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	49.93	23.13
23 11 33 00-0102	LF	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	59.36	27.39
23 11 33 00-0103	LF	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	81.65	40.41
23 11 33 00-0104	LF	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	110.00	52.39
23 11 33 00-0105	LF	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	144.55	62.85
23 11 33 00-0106	LF	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	185.15	74.54
23 11 33 00-0107	LF	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	235.26	94.05

23 11 33 00-0108 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Fittings *(23 11 33 00-0099)*

23 11 33 00-0109 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbows *(23 11 33 00-0108)*

23 11 33 00-0110	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	753.51	286.18
23 11 33 00-0111	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	882.74	343.50
23 11 33 00-0112	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	1,071.48	399.17
23 11 33 00-0113	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	1,681.78	519.80
23 11 33 00-0114	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	2,518.46	649.87
23 11 33 00-0115	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	3,294.96	781.86
23 11 33 00-0116	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	4,318.77	968.20

23 11 33 00-0117 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbows *(23 11 33 00-0108)*

23 11 33 00-0118	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	754.22	286.18
23 11 33 00-0119	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	881.50	343.50
23 11 33 00-0120	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	1,070.50	399.17
23 11 33 00-0121	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	1,676.06	519.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 33 00-0122	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	2,510.18	649.87
23 11 33 00-0123	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	3,284.13	782.22
23 11 33 00-0124	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	4,306.69	970.40
23 11 33 00-0125		**Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tees** *(23 11 33 00-0108)*		
23 11 33 00-0126	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	1,082.50	429.26
23 11 33 00-0127	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	1,334.14	517.34
23 11 33 00-0128	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	1,522.19	599.07
23 11 33 00-0129	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	2,267.96	782.58
23 11 33 00-0130	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	2,847.17	970.40
23 11 33 00-0131	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	4,397.98	1,172.53
23 11 33 00-0132	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	5,814.87	1,421.65
23 11 33 00-0133		**Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wyes** *(23 11 33 00-0108)*		
23 11 33 00-0134	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	1,379.59	429.26
23 11 33 00-0135	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	1,758.38	516.74
23 11 33 00-0136	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	2,062.32	599.07
23 11 33 00-0137	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	2,647.70	782.58
23 11 33 00-0138	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	3,447.70	970.40
23 11 33 00-0139	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	5,155.44	1,172.53
23 11 33 00-0140	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	6,640.55	1,421.65
23 11 33 00-0141		**Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducers** *(23 11 33 00-0108)*		
23 11 33 00-0142	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	800.92	286.18
23 11 33 00-0143	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	1,027.72	343.50
23 11 33 00-0144	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	1,135.45	399.17
23 11 33 00-0145	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	1,483.28	519.80
23 11 33 00-0146	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	1,955.62	649.87
23 11 33 00-0147	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	2,478.39	781.86
23 11 33 00-0148	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	3,343.91	968.20
23 11 33 00-0149		**Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapters** *(23 11 33 00-0108)*		
23 11 33 00-0150	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	668.15	286.18
23 11 33 00-0151	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	774.16	343.50
23 11 33 00-0152	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	882.13	399.17
23 11 33 00-0153	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	1,240.48	519.80
23 11 33 00-0154	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	1,286.62	649.87
23 11 33 00-0155	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	1,620.87	781.86
23 11 33 00-0156	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	2,427.22	968.20
23 11 33 00-0157		**Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipples** *(23 11 33 00-0108)*		
23 11 33 00-0158	EA	2" x 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	117.52	34.35
23 11 33 00-0159	EA	2" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	234.77	68.55
23 11 33 00-0160	EA	3" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	367.56	52.68
23 11 33 00-0161	EA	3" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	431.99	72.86
23 11 33 00-0162	EA	4" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	395.82	51.95
23 11 33 00-0163	EA	4" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	483.67	77.97
23 11 33 00-0164	EA	6" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	707.73	93.69
23 11 33 00-0165	EA	8" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	401.37	109.18
23 11 33 00-0166	EA	8" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	550.58	155.87
23 11 33 00-0167	EA	10" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	640.96	110.93
23 11 33 00-0168	EA	10" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	961.86	166.17
23 11 33 00-0169	EA	12" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	741.52	114.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 33 00-0170	EA	12" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	980.43	171.66
23 11 33 00-0171		**Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanges** *(23 11 33 00-0108)*		
23 11 33 00-0172	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	697.02	389.21
23 11 33 00-0173	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	970.04	519.80
23 11 33 00-0174	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	1,191.98	622.18
23 11 33 00-0175	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	1,568.30	781.86
23 11 33 00-0176	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	2,111.80	968.20

23 12 Facility Fuel Pumps *(23 10)*

23 12 13 Facility Fuel-Oil Pumps *(23 12)*

23 12 13 00-0001 Cast Iron Internal Gear Rotary Pump *(23 12 13)*

Note: Heavy duty type with relief valve, 1150 RPM drip-proof motor, common base plate. For viscosity to 20 centipoise; diesel oil, and light oil.

23 12 13 00-0002 10 GPM 1" Discharge *(23 12 13 00-0001)*

23 12 13 00-0003	EA	10 GPM Cast Iron Rotary Pump, 20 PSI 1/2 HP With 1" Discharge	1,794.86	217.14
23 12 13 00-0004	EA	10 GPM Cast Iron Rotary Pump, 40 PSI 3/4 HP With 1" Discharge	1,847.93	262.82
23 12 13 00-0005	EA	10 GPM Cast Iron Rotary Pump, 60 PSI 1 HP With 1" Discharge	1,997.36	312.23

23 12 13 00-0006 25 GPM 1-1/4" Discharge *(23 12 13 00-0001)*

23 12 13 00-0007	EA	25 GPM Cast Iron Rotary Pump, 20 PSI 1 HP With 1-1/4" Discharge	1,835.58	217.14
23 12 13 00-0008	EA	25 GPM Cast Iron Rotary Pump, 40 PSI 1.5 HP With 1-1/4" Discharge	1,918.24	262.82
23 12 13 00-0009	EA	25 GPM Cast Iron Rotary Pump, 60 PSI 2 HP With 1-1/4" Discharge	2,000.80	312.23

23 12 13 00-0010 Pump, Fuel Oil, 2 Stage 3450 RPM 100 PSI *(23 12 13)*

23 12 13 00-0011	EA	1/4 HP Pump Fuel Oil/Diesel	1,307.77	121.67
23 12 13 00-0012	EA	1/3 HP Pump Fuel Oil/Diesel	1,548.24	136.28
23 12 13 00-0013	EA	1/2 HP Pump Fuel Oil/Diesel	1,686.86	152.74
23 12 13 00-0014	EA	3/4 HP Pump Fuel Oil/Diesel	1,831.46	172.22
23 12 13 00-0015	EA	1 HP Pump Fuel Oil/Diesel	2,655.76	191.69
23 12 13 00-0016	EA	1-1/2 HP Pump Fuel Oil/Diesel	3,279.52	214.52
23 12 13 00-0017	EA	2 HP Pump Fuel Oil/Diesel	3,630.21	240.35
23 12 13 00-0018	EA	3 HP Pump Fuel Oil/Diesel	4,464.49	268.80
23 12 13 00-0019	EA	5 HP Pump Fuel Oil/Diesel	5,287.06	301.38
23 12 13 00-0020	EA	7.5 HP Pump Fuel Oil/Diesel	5,918.56	338.06
23 12 13 00-0021	EA	10 HP Pump Fuel Oil/Diesel	6,636.06	378.95

23 12 23 Facility Natural-Gas Pumps *(23 12)*

23 12 23 00-0001 Natural Gas Booster Pump *(23 12 23)*

23 12 23 00-0002	EA	Natural Gas Booster Pump, 3/4" Outlet Size	666.92	112.31
23 12 23 00-0003	EA	Natural Gas Booster Pump, 1" Outlet Size	787.40	125.41
23 12 23 00-0004	EA	Natural Gas Booster Pump, 1-1/4" Outlet Size	878.35	131.04
23 12 23 00-0005	EA	Natural Gas Booster Pump, 1-1/2" Outlet Size	991.07	136.65
23 12 23 00-0006	EA	Natural Gas Booster Pump, 2" Outlet Size	1,114.58	140.39

23 13 Facility Fuel-Storage Tanks *(23 10)*

23 13 13 Facility Underground Fuel-Oil, Storage Tanks *(23 13)*

23 13 13 13 Double-Wall Steel, Underground Fuel-Oil, Storage Tanks *(23 13 13)*

23 13 13 13-0001 Coated Underground Double Wall Storage Tanks *(23 13 13 13)*

Note: Includes setting in place with hold down bars and manway and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes excavation, pad, plastic lining, pumps and piping.

23 13 13 13-0002	EA	250 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	4,748.46	516.40
23 13 13 13-0003	EA	550 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	5,095.31	516.40
23 13 13 13-0004	EA	1,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	7,278.22	645.46
23 13 13 13-0005	EA	2,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	10,284.56	1,260.73
23 13 13 13-0006	EA	3,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	16,050.48	1,620.86
23 13 13 13-0007	EA	4,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	17,927.78	1,861.59
23 13 13 13-0008	EA	5,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	19,733.04	2,461.42
23 13 13 13-0009	EA	6,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	20,487.65	2,642.76
23 13 13 13-0010	EA	8,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	24,917.70	3,122.09
23 13 13 13-0011	EA	10,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	28,845.77	3,601.10
23 13 13 13-0012	EA	12,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	36,356.24	3,960.10
23 13 13 13-0013	EA	14,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	43,195.06	4,808.19
23 13 13 13-0014	EA	15,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	44,732.18	5,102.74
23 13 13 13-0015	EA	20,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	56,428.45	8,094.02
23 13 13 13-0016	EA	25,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	69,809.80	10,495.95
23 13 13 13-0017	EA	30,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	81,951.35	12,009.28
23 13 13 13-0018	EA	40,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	103,267.90	12,909.97

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 13 13-0019	EA	48,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	136,326.90	13,241.03

23 13 13 23 Glass-Fiber-Reinforced-Plastic, Underground Fuel-Oil, Storage Tanks *(23 13 13)*

23 13 13 23-0001 Underground Fiberglass Storage Tanks *(23 13 13 23)*

23 13 13 23-0002 Single Wall Fiberglass Underground Storage Tanks *(23 13 13 23-0001)*

Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.

23 13 13 23-0003	EA	550 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	2,283.87	516.40
23 13 13 23-0004	EA	1,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	2,867.35	645.46
23 13 13 23-0005	EA	2,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	3,726.88	798.62
23 13 13 23-0006	EA	2,500 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	4,258.05	972.75
23 13 13 23-0007	EA	3,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	4,784.15	1,140.89
23 13 13 23-0008	EA	4,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	5,862.14	1,501.16
23 13 13 23-0009	EA	5,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	7,175.80	2,281.76
23 13 13 23-0010	EA	6,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	8,228.46	2,882.23
23 13 13 23-0011	EA	8,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	9,783.47	3,242.50
23 13 13 23-0012	EA	10,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	11,097.29	3,842.97
23 13 13 23-0013	EA	12,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	14,130.67	4,563.52
23 13 13 23-0014	EA	15,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	17,438.68	5,704.41
23 13 13 23-0015	EA	20,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	22,146.42	7,625.89
23 13 13 23-0016	EA	25,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	32,385.53	9,487.33
23 13 13 23-0017	EA	30,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	39,534.28	11,408.81
23 13 13 23-0018	EA	40,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	56,644.77	16,512.75
23 13 13 23-0019	EA	50,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	79,670.92	21,016.24

23 13 13 23-0020 Double Wall Fiberglass Underground Storage Tanks *(23 13 13 23-0001)*

Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.

23 13 13 23-0021	EA	550 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	4,240.55	516.40
23 13 13 23-0022	EA	1,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	5,575.69	645.46
23 13 13 23-0023	EA	2,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	6,687.45	780.60
23 13 13 23-0024	EA	3,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	8,744.15	1,140.96
23 13 13 23-0025	EA	4,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	9,904.64	1,501.16
23 13 13 23-0026	EA	5,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	11,619.80	2,281.76
23 13 13 23-0027	EA	6,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	13,068.46	2,882.23
23 13 13 23-0028	EA	8,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	15,943.47	3,242.50
23 13 13 23-0029	EA	10,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	17,257.29	3,842.97
23 13 13 23-0030	EA	12,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	20,840.67	4,563.52
23 13 13 23-0031	EA	15,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	28,466.18	5,704.41
23 13 13 23-0032	EA	20,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	35,456.42	7,625.89
23 13 13 23-0033	EA	30,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	54,604.28	11,408.81

23 13 13 23-0034 Underground Storage Tank Pump Enclosures *(23 13 13 23)*

23 13 13 23-0035	EA	Secondary Containment Collar	649.25	
23 13 13 23-0036	EA	Turbine Enclosure With Lid 4' Long x 42" Diameter	649.25	
23 13 13 23-0037	EA	Fitting Kit For Turbine Enclosure	129.85	
23 13 13 23-0038	EA	Grommet Kits For Plumbing And Electrical	259.70	
23 13 13 23-0039	EA	Turbine Electrical Coupling Kit	324.63	

23 13 23 Facility Aboveground Fuel-Oil, Storage Tanks *(23 13)*

23 13 23 13 Vertical, Steel, Aboveground Fuel-Oil, Storage Tanks *(23 13 23)*

23 13 23 13-0001 Fuel Day Tank *(23 13 23 13)*

Note: Includes day tank with standard equipment, pump, pump control, level control, backup level control, level alarms, alarm outputs.

23 13 23 13-0002	EA	10 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	859.88	97.60
23 13 23 13-0003	EA	15 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	923.49	102.47
23 13 23 13-0004	EA	25 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,002.52	109.79
23 13 23 13-0005	EA	50 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,152.13	117.12
23 13 23 13-0006	EA	60 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,285.10	121.99
23 13 23 13-0007	EA	75 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,514.88	146.39
23 13 23 13-0008	EA	100 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,039.70	170.79
23 13 23 13-0009	EA	150 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,582.16	195.18
23 13 23 13-0010	EA	200 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,313.74	219.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0011	EA	275 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,693.57	243.98
23 13 23 13-0012	EA	300 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,226.26	292.78
23 13 23 13-0013	EA	350 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,733.75	341.58
23 13 23 13-0014	EA	400 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,256.37	390.38
23 13 23 13-0015	EA	450 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,834.13	414.77
23 13 23 13-0016	EA	500 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,415.68	439.17
23 13 23 13-0017	EA	550 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,076.67	463.57
23 13 23 13-0018	EA	600 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,654.44	487.96
23 13 23 13-0019	EA	700 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,523.15	585.56
23 13 23 13-0020	EA	800 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,193.27	634.36
23 13 23 13-0021	EA	900 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,088.46	731.95
23 13 23 13-0022	EA	1,000 Gallon Double Wall Steel Day Tank; Tramont TRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,987.42	829.54
23 13 23 13-0023	EA	10 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,043.96	97.60
23 13 23 13-0024	EA	15 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,108.83	102.47
23 13 23 13-0025	EA	25 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,187.86	109.79
23 13 23 13-0026	EA	50 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,336.21	117.12
23 13 23 13-0027	EA	60 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,469.17	121.99
23 13 23 13-0028	EA	75 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,700.22	146.39
23 13 23 13-0029	EA	100 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,242.69	170.79
23 13 23 13-0030	EA	150 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,785.15	195.18
23 13 23 13-0031	EA	200 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,516.73	219.59
23 13 23 13-0032	EA	275 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,896.56	243.98
23 13 23 13-0033	EA	300 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,429.25	292.78
23 13 23 13-0034	EA	350 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,936.74	341.58
23 13 23 13-0035	EA	400 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,459.36	390.38
23 13 23 13-0036	EA	450 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,037.12	414.77
23 13 23 13-0037	EA	500 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,618.67	439.17
23 13 23 13-0038	EA	550 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,280.92	463.57
23 13 23 13-0039	EA	600 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,858.69	487.96
23 13 23 13-0040	EA	700 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,726.14	585.56
23 13 23 13-0041	EA	800 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,396.26	634.36
23 13 23 13-0042	EA	900 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,291.45	731.95
23 13 23 13-0043	EA	1,000 Gallon Double Wall Steel Day Tank; Tramont UTRX Note: Includes rust-inhibitor coated interior and gray painted exterior.	11,190.41	829.54
23 13 23 13-0044	EA	10 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	1,741.18	97.60
23 13 23 13-0045	EA	15 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	1,798.50	102.47
23 13 23 13-0046	EA	25 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	1,849.78	109.79
23 13 23 13-0047	EA	50 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,048.57	117.12
23 13 23 13-0048	EA	60 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,123.53	121.99
23 13 23 13-0049	EA	75 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,345.75	146.39
23 13 23 13-0050	EA	100 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,823.92	170.79
23 13 23 13-0051	EA	150 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,565.59	195.18
23 13 23 13-0052	EA	200 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,009.71	219.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0053	EA	275 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,244.37	243.98
23 13 23 13-0054	EA	300 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,925.83	292.78
23 13 23 13-0055	EA	350 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,334.97	341.58
23 13 23 13-0056	EA	400 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,892.90	390.38
23 13 23 13-0057	EA	450 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,444.19	414.77
23 13 23 13-0058	EA	500 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,171.99	439.17
23 13 23 13-0059	EA	550 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,473.65	463.57
23 13 23 13-0060	EA	600 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,743.77	487.96
23 13 23 13-0061	EA	700 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,999.56	585.56
23 13 23 13-0062	EA	800 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,220.65	634.36
23 13 23 13-0063	EA	900 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,552.08	731.95
23 13 23 13-0064	EA	1,000 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	13,904.93	829.54
23 13 23 13-0065	EA	10 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,573.32	97.60
23 13 23 13-0066	EA	15 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,630.63	102.47
23 13 23 13-0067	EA	25 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,681.92	109.79
23 13 23 13-0068	EA	50 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,880.71	117.12
23 13 23 13-0069	EA	60 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,955.67	121.99
23 13 23 13-0070	EA	75 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,177.88	146.39
23 13 23 13-0071	EA	100 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,656.06	170.79
23 13 23 13-0072	EA	150 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,397.73	195.18
23 13 23 13-0073	EA	200 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,897.32	219.59
23 13 23 13-0074	EA	275 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,786.52	243.98
23 13 23 13-0075	EA	300 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,467.98	292.78
23 13 23 13-0076	EA	350 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,878.38	341.58
23 13 23 13-0077	EA	400 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,435.05	390.38
23 13 23 13-0078	EA	450 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,987.60	414.77
23 13 23 13-0079	EA	500 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,714.14	439.17
23 13 23 13-0080	EA	550 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,015.80	463.57
23 13 23 13-0081	EA	600 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,285.92	487.96
23 13 23 13-0082	EA	700 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,541.71	585.56
23 13 23 13-0083	EA	800 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,764.06	634.36
23 13 23 13-0084	EA	900 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	13,094.23	731.95
23 13 23 13-0085	EA	1,000 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	14,447.08	829.54
23 13 23 13-0086	EA	10 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,038.56	97.60
23 13 23 13-0087	EA	15 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,102.17	102.47
23 13 23 13-0088	EA	25 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,154.72	109.79
23 13 23 13-0089	EA	50 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,359.81	117.12
23 13 23 13-0090	EA	60 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,470.08	121.99
23 13 23 13-0091	EA	75 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,672.12	146.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0092	EA	100 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,169.21	170.79
23 13 23 13-0093	EA	150 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,946.18	195.18
23 13 23 13-0094	EA	200 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,406.69	219.59
23 13 23 13-0095	EA	275 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,689.26	243.98
23 13 23 13-0096	EA	300 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,406.02	292.78
23 13 23 13-0097	EA	350 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,776.08	341.58
23 13 23 13-0098	EA	400 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,409.65	390.38
23 13 23 13-0099	EA	450 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,076.94	414.77
23 13 23 13-0100	EA	500 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,748.00	439.17
23 13 23 13-0101	EA	550 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,086.22	463.57
23 13 23 13-0102	EA	600 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,337.44	487.96
23 13 23 13-0103	EA	700 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,649.96	585.56
23 13 23 13-0104	EA	800 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,930.31	634.36
23 13 23 13-0105	EA	900 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,321.00	731.95
23 13 23 13-0106	EA	1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	15,730.59	829.54
23 13 23 13-0107	EA	10 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,870.69	97.60
23 13 23 13-0108	EA	15 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,934.31	102.47
23 13 23 13-0109	EA	25 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,986.85	109.79
23 13 23 13-0110	EA	50 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,191.95	117.12
23 13 23 13-0111	EA	60 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,302.21	121.99
23 13 23 13-0112	EA	75 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,501.74	146.39
23 13 23 13-0113	EA	100 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,001.34	170.79
23 13 23 13-0114	EA	150 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,778.31	195.18
23 13 23 13-0115	EA	200 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,238.82	219.59
23 13 23 13-0116	EA	275 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,231.40	243.98
23 13 23 13-0117	EA	300 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,948.17	292.78
23 13 23 13-0118	EA	350 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,444.31	341.58
23 13 23 13-0119	EA	400 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,951.80	390.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0120	EA	450 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,619.09	414.77
23 13 23 13-0121	EA	500 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,290.15	439.17
23 13 23 13-0122	EA	550 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,628.37	463.57
23 13 23 13-0123	EA	600 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,880.85	487.96
23 13 23 13-0124	EA	700 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,192.11	585.56
23 13 23 13-0125	EA	800 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,472.46	634.36
23 13 23 13-0126	EA	900 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,863.14	731.95
23 13 23 13-0127	EA	1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	16,272.74	829.54
23 13 23 13-0128	EA	150% Containment Double Wall Open Top Basin For 10 Gallon Tank	851.66	97.60
23 13 23 13-0129	EA	150% Containment Double Wall Open Top Basin For 15 Gallon Tank	923.04	102.47
23 13 23 13-0130	EA	150% Containment Double Wall Open Top Basin For 25 Gallon Tank	1,001.81	109.79
23 13 23 13-0131	EA	150% Containment Double Wall Open Top Basin For 50 Gallon Tank	1,145.48	117.12
23 13 23 13-0132	EA	150% Containment Double Wall Open Top Basin For 60 Gallon Tank	1,524.75	121.99
23 13 23 13-0133	EA	150% Containment Double Wall Open Top Basin For 75 Gallon Tank	1,565.41	146.39
23 13 23 13-0134	EA	150% Containment Double Wall Open Top Basin For 100 Gallon Tank	1,968.89	170.79
23 13 23 13-0135	EA	150% Containment Double Wall Open Top Basin For 150 Gallon Tank	2,437.27	195.18
23 13 23 13-0136	EA	150% Containment Double Wall Open Top Basin For 200 Gallon Tank	3,203.55	219.59
23 13 23 13-0137	EA	150% Containment Double Wall Open Top Basin For 275 Gallon Tank	4,026.43	243.98
23 13 23 13-0138	EA	150% Containment Double Wall Open Top Basin For 300 Gallon Tank	4,833.37	292.78
23 13 23 13-0139	EA	150% Containment Double Wall Open Top Basin For 350 Gallon Tank	5,192.63	341.58
23 13 23 13-0140	EA	150% Containment Double Wall Open Top Basin For 400 Gallon Tank	5,553.57	390.38
23 13 23 13-0141	EA	150% Containment Double Wall Open Top Basin For 450 Gallon Tank	6,098.50	414.77
23 13 23 13-0142	EA	150% Containment Double Wall Open Top Basin For 500 Gallon Tank	6,645.10	439.17
23 13 23 13-0143	EA	150% Containment Double Wall Open Top Basin For 550 Gallon Tank	7,120.16	463.57
23 13 23 13-0144	EA	150% Containment Double Wall Open Top Basin For 600 Gallon Tank	7,600.17	487.96
23 13 23 13-0145	EA	150% Containment Double Wall Open Top Basin For 700 Gallon Tank	8,598.29	585.56
23 13 23 13-0146	EA	150% Containment Double Wall Open Top Basin For 800 Gallon Tank	9,545.03	634.36
23 13 23 13-0147	EA	150% Containment Double Wall Open Top Basin For 900 Gallon Tank	10,599.74	731.95
23 13 23 13-0148	EA	150% Containment Double Wall Open Top Basin For 1,000 Gallon Tank	11,617.83	829.54
23 13 23 13-0149	EA	200% Containment Double Wall Open Top Basin For 10 Gallon Tank	898.08	102.47
23 13 23 13-0150	EA	200% Containment Double Wall Open Top Basin For 15 Gallon Tank	977.03	109.79
23 13 23 13-0151	EA	200% Containment Double Wall Open Top Basin For 25 Gallon Tank	1,059.49	117.12
23 13 23 13-0152	EA	200% Containment Double Wall Open Top Basin For 50 Gallon Tank	1,206.41	121.99
23 13 23 13-0153	EA	200% Containment Double Wall Open Top Basin For 60 Gallon Tank	1,638.82	146.39
23 13 23 13-0154	EA	200% Containment Double Wall Open Top Basin For 75 Gallon Tank	1,679.49	170.79
23 13 23 13-0155	EA	200% Containment Double Wall Open Top Basin For 100 Gallon Tank	2,103.12	195.18
23 13 23 13-0156	EA	200% Containment Double Wall Open Top Basin For 150 Gallon Tank	2,595.26	219.59
23 13 23 13-0157	EA	200% Containment Double Wall Open Top Basin For 200 Gallon Tank	3,401.86	243.98
23 13 23 13-0158	EA	200% Containment Double Wall Open Top Basin For 275 Gallon Tank	4,268.18	268.39
23 13 23 13-0159	EA	200% Containment Double Wall Open Top Basin For 300 Gallon Tank	5,115.45	317.17
23 13 23 13-0160	EA	200% Containment Double Wall Open Top Basin For 350 Gallon Tank	5,490.15	365.97
23 13 23 13-0161	EA	200% Containment Double Wall Open Top Basin For 400 Gallon Tank	5,866.61	414.77
23 13 23 13-0162	EA	200% Containment Double Wall Open Top Basin For 450 Gallon Tank	6,439.56	439.17
23 13 23 13-0163	EA	200% Containment Double Wall Open Top Basin For 500 Gallon Tank	7,014.28	463.57
23 13 23 13-0164	EA	200% Containment Double Wall Open Top Basin For 550 Gallon Tank	7,513.46	487.96
23 13 23 13-0165	EA	200% Containment Double Wall Open Top Basin For 600 Gallon Tank	8,058.55	536.76
23 13 23 13-0166	EA	200% Containment Double Wall Open Top Basin For 700 Gallon Tank	9,103.08	634.36
23 13 23 13-0167	EA	200% Containment Double Wall Open Top Basin For 800 Gallon Tank	10,179.24	731.95
23 13 23 13-0168	EA	200% Containment Double Wall Open Top Basin For 900 Gallon Tank	11,283.49	829.54
23 13 23 13-0169	EA	200% Containment Double Wall Open Top Basin For 1,000 Gallon Tank	12,349.11	927.14
23 13 23 13-0170	EA	150% Containment Double Wall Sealed Top Basin For 10 Gallon Tank	983.13	97.60
23 13 23 13-0171	EA	150% Containment Double Wall Sealed Top Basin For 15 Gallon Tank	1,071.16	102.47
23 13 23 13-0172	EA	150% Containment Double Wall Sealed Top Basin For 25 Gallon Tank	1,159.92	109.79
23 13 23 13-0173	EA	150% Containment Double Wall Sealed Top Basin For 50 Gallon Tank	1,336.87	117.12
23 13 23 13-0174	EA	150% Containment Double Wall Sealed Top Basin For 60 Gallon Tank	1,787.70	121.99
23 13 23 13-0175	EA	150% Containment Double Wall Sealed Top Basin For 75 Gallon Tank	1,828.36	146.39
23 13 23 13-0176	EA	150% Containment Double Wall Sealed Top Basin For 100 Gallon Tank	2,291.76	170.79
23 13 23 13-0177	EA	150% Containment Double Wall Sealed Top Basin For 150 Gallon Tank	2,838.36	195.18
23 13 23 13-0178	EA	150% Containment Double Wall Sealed Top Basin For 200 Gallon Tank	3,740.65	219.59
23 13 23 13-0179	EA	150% Containment Double Wall Sealed Top Basin For 275 Gallon Tank	4,752.05	243.98
23 13 23 13-0180	EA	150% Containment Double Wall Sealed Top Basin For 300 Gallon Tank	5,707.11	292.78
23 13 23 13-0181	EA	150% Containment Double Wall Sealed Top Basin For 350 Gallon Tank	6,117.96	341.58
23 13 23 13-0182	EA	150% Containment Double Wall Sealed Top Basin For 400 Gallon Tank	6,532.16	390.38
23 13 23 13-0183	EA	150% Containment Double Wall Sealed Top Basin For 450 Gallon Tank	7,181.94	414.77
23 13 23 13-0184	EA	150% Containment Double Wall Sealed Top Basin For 500 Gallon Tank	7,833.39	439.17
23 13 23 13-0185	EA	150% Containment Double Wall Sealed Top Basin For 550 Gallon Tank	8,386.65	463.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0186	EA	150% Containment Double Wall Sealed Top Basin For 600 Gallon Tank	8,953.22	487.96
23 13 23 13-0187	EA	150% Containment Double Wall Sealed Top Basin For 700 Gallon Tank	10,126.09	585.56
23 13 23 13-0188	EA	150% Containment Double Wall Sealed Top Basin For 800 Gallon Tank	11,249.24	634.36
23 13 23 13-0189	EA	150% Containment Double Wall Sealed Top Basin For 900 Gallon Tank	12,478.70	731.95
23 13 23 13-0190	EA	150% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank	13,671.53	829.54
23 13 23 13-0191	EA	200% Containment Double Wall Sealed Top Basin For 10 Gallon Tank	1,036.86	102.47
23 13 23 13-0192	EA	200% Containment Double Wall Sealed Top Basin For 15 Gallon Tank	1,133.38	109.79
23 13 23 13-0193	EA	200% Containment Double Wall Sealed Top Basin For 25 Gallon Tank	1,226.38	117.12
23 13 23 13-0194	EA	200% Containment Double Wall Sealed Top Basin For 50 Gallon Tank	1,408.44	121.99
23 13 23 13-0195	EA	200% Containment Double Wall Sealed Top Basin For 60 Gallon Tank	1,916.39	146.39
23 13 23 13-0196	EA	200% Containment Double Wall Sealed Top Basin For 75 Gallon Tank	1,957.06	170.79
23 13 23 13-0197	EA	200% Containment Double Wall Sealed Top Basin For 100 Gallon Tank	2,443.92	195.18
23 13 23 13-0198	EA	200% Containment Double Wall Sealed Top Basin For 150 Gallon Tank	3,018.63	219.59
23 13 23 13-0199	EA	200% Containment Double Wall Sealed Top Basin For 200 Gallon Tank	3,968.81	243.98
23 13 23 13-0200	EA	200% Containment Double Wall Sealed Top Basin For 275 Gallon Tank	5,034.12	268.39
23 13 23 13-0201	EA	200% Containment Double Wall Sealed Top Basin For 300 Gallon Tank	6,037.73	317.17
23 13 23 13-0202	EA	200% Containment Double Wall Sealed Top Basin For 350 Gallon Tank	6,466.89	365.97
23 13 23 13-0203	EA	200% Containment Double Wall Sealed Top Basin For 400 Gallon Tank	6,899.57	414.77
23 13 23 13-0204	EA	200% Containment Double Wall Sealed Top Basin For 450 Gallon Tank	7,583.19	439.17
23 13 23 13-0205	EA	200% Containment Double Wall Sealed Top Basin For 500 Gallon Tank	8,268.58	463.57
23 13 23 13-0206	EA	200% Containment Double Wall Sealed Top Basin For 550 Gallon Tank	8,850.31	487.96
23 13 23 13-0207	EA	200% Containment Double Wall Sealed Top Basin For 600 Gallon Tank	9,486.77	536.76
23 13 23 13-0208	EA	200% Containment Double Wall Sealed Top Basin For 700 Gallon Tank	10,715.75	634.36
23 13 23 13-0209	EA	200% Containment Double Wall Sealed Top Basin For 800 Gallon Tank	11,978.13	731.95
23 13 23 13-0210	EA	200% Containment Double Wall Sealed Top Basin For 900 Gallon Tank	13,266.84	829.54
23 13 23 13-0211	EA	200% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank	14,516.91	927.14

23 13 23 16 Horizontal, Steel, Aboveground Fuel-Oil, Storage Tanks *(23 13 23)*

23 13 23 16-0001 Single Wall Aboveground Storage Tanks *(23 13 23 16)*

Note: Includes supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, excavation and backfill.

23 13 23 16-0002	EA	275 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	1,751.98	530.42
23 13 23 16-0003	EA	550 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	2,109.82	642.08
23 13 23 16-0004	EA	1,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	2,869.56	890.60
23 13 23 16-0005	EA	1,500 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	3,678.38	1,113.26
23 13 23 16-0006	EA	2,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	4,576.66	1,475.46
23 13 23 16-0007	EA	3,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	6,300.25	1,518.85
23 13 23 16-0008	EA	5,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	8,878.43	1,877.85
23 13 23 16-0009	EA	8,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	11,828.82	2,151.66
23 13 23 16-0010	EA	10,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	13,913.52	2,347.25
23 13 23 16-0011	EA	12,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	16,029.57	2,582.00
23 13 23 16-0012	EA	15,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	17,753.86	2,868.86
23 13 23 16-0013	EA	20,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	22,265.60	3,688.53
23 13 23 16-0014	EA	30,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	29,789.73	4,303.32

23 13 23 16-0015 Double Wall Aboveground Storage Tanks *(23 13 23 16)*

Note: Includes supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, excavation and backfill.

23 13 23 16-0016	EA	275 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	2,632.03	661.85
23 13 23 16-0017	EA	550 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	3,167.33	800.92
23 13 23 16-0018	EA	1,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	4,301.15	1,113.26
23 13 23 16-0019	EA	1,500 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	5,529.52	1,391.57
23 13 23 16-0020	EA	2,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	6,789.89	1,844.30
23 13 23 16-0021	EA	3,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	9,650.51	1,898.50
23 13 23 16-0022	EA	5,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	13,743.32	2,338.77
23 13 23 16-0023	EA	8,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	18,533.63	2,689.60
23 13 23 16-0024	EA	10,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	21,908.74	2,934.11
23 13 23 16-0025	EA	12,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	25,313.18	3,227.45
23 13 23 16-0026	EA	15,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	28,030.68	3,586.13
23 13 23 16-0027	EA	20,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	35,100.37	4,610.68
23 13 23 16-0028	EA	30,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	47,335.97	5,379.12

23 13 23 19 Containment-Dike, Steel, Aboveground Fuel-Oil, Storage Tanks *(23 13 23)*

23 13 23 19-0001 Secondary Containment For Above Ground Tanks *(23 13 23 19)*

23 13 23 19-0002	EA	Steel Dike For 550 Gallon Tank, Uncoated	2,958.97
23 13 23 19-0003	EA	Steel Dike For 1,000 Gallon Tank, Uncoated	3,576.78
23 13 23 19-0004	EA	Steel Dike For 2,000 Gallon Tank, Uncoated	7,771.64

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 19-0005	EA	Steel Dike For 3,000 Gallon Tank, Uncoated	8,519.45	
23 13 23 19-0006	EA	Steel Dike For 5,000 Gallon Tank, Uncoated	12,087.15	
23 13 23 19-0007	EA	Steel Dike For 6,000 Gallon Tank, Uncoated	13,541.15	
23 13 23 19-0008	EA	Steel Dike For 8,000 Gallon Tank, Uncoated	17,866.01	
23 13 23 19-0009	EA	Steel Dike For 10,000 Gallon Tank, Uncoated	20,973.75	
23 13 23 19-0010	EA	Steel Dike For 12,000 Gallon Tank, Uncoated	23,821.38	
23 13 23 19-0011	EA	Steel Dike For 15,000 Gallon Tank, Uncoated	29,010.20	
23 13 23 19-0012	EA	Steel Dike For 20,000 Gallon Tank, Uncoated	37,125.80	

23 13 23 26 Concrete-Vaulted, Steel, Aboveground Fuel-Oil, Storage Tanks *(23 13 23)*

23 13 23 26-0001 Aboveground Concrete Vaulted Storage Tanks *(23 13 23 26)*

Note: Includes setting in place with stand, NPT openings for an emergency vent, regular vent, gauge, fill with an internal 5 gallon minimum overfill containment, supply and return and leak detection. All tanks that are 2000 gallon and larger shall have a ladder for access. Excludes excavation, pad, pumps and piping.

23 13 23 26-0002	EA	500 Gallon Concrete Vaulted Storage Tank	16,579.94	1,116.78
		For Low Profile Tanks, Add	*6,008.66*	
23 13 23 26-0003	EA	1,000 Gallon Concrete Vaulted Storage Tank	20,841.90	1,260.73
		For Low Profile Tanks, Add	*7,633.09*	
23 13 23 26-0004	EA	2,000 Gallon Concrete Vaulted Storage Tank	36,777.90	1,501.16
		For Low Profile Tanks, Add	*13,873.30*	
23 13 23 26-0005	EA	4,000 Gallon Concrete Vaulted Storage Tank	58,525.03	3,301.83
23 13 23 26-0006	EA	5,000 Gallon Concrete Vaulted Storage Tank	66,806.86	3,606.14
23 13 23 26-0007	EA	6,000 Gallon Concrete Vaulted Storage Tank	75,153.34	3,894.37
23 13 23 26-0008	EA	8,000 Gallon Concrete Vaulted Storage Tank	83,482.60	4,225.90
23 13 23 26-0009	EA	10,000 Gallon Concrete Vaulted Storage Tank	91,806.56	4,498.27

23 13 33 Facility Fuel-Oil, Storage Tank Accessories *(23 13)*

23 13 33 00-0001 EPA Requirements *(23 13 33)*

23 13 33 00-0002	EA	Fill Pipe Spill Containment Manhole (5 Gallon)	331.81	
23 13 33 00-0003	EA	Over-Fill Prevention Valve	515.14	
23 13 33 00-0004	EA	Tank Manway With Cover, Fiberglass	1,524.54	
23 13 33 00-0005	EA	Tank Manway With Cover, Steel	1,285.15	
23 13 33 00-0006	EA	Vent Fill Alarm (Whistle Vent)	76.03	
23 13 33 00-0007	EA	Reservoir Sensor, Liquid Level	176.73	
23 13 33 00-0008	EA	Manhole Spill Containment	675.11	189.51
23 13 33 00-0009	EA	Fill Adapter, 4"	186.78	126.36
23 13 33 00-0010	EA	Fill Cap, 4"	122.05	47.37
23 13 33 00-0011	EA	Vent Cap, 2"	77.03	31.61
23 13 33 00-0012	EA	4" X 2" Extractor Fitting	190.19	47.37
23 13 33 00-0013	EA	Float Vent Valve	240.38	94.75
23 13 33 00-0014	EA	Vapor Hose Adapter	203.24	63.14
23 13 33 00-0015	EA	Dust Cap	96.21	34.49
23 13 33 00-0016	EA	1" Double Poppet Foot Valve	221.96	54.13
23 13 33 00-0017	EA	10' Wood Gage Stick	19.44	
23 13 33 00-0018	EA	1-1/4" Tank Filled Breather, NPT	62.97	
23 13 33 00-0019	EA	1-1/2" Tank Filled Breather, Bayonet	79.80	
23 13 33 00-0020	EA	2" Cast Iron Combination Fill Cap And Vent	50.93	
23 13 33 00-0021	EA	3" Cast Iron Combination Fill Cap And Vent	66.92	
23 13 33 00-0022	EA	4" Cast Iron Combination Fill Cap And Vent	101.72	
23 13 33 00-0023	EA	Pressure And Vacuum Control Vent	307.97	
23 13 33 00-0024	EA	1/4 HP Fuel/Diesel Pump Set	1,009.32	
23 13 33 00-0025	EA	1/3 HP Fuel/Diesel Pump Set	1,191.08	
23 13 33 00-0026	EA	1/2 HP Fuel/Diesel Pump Set	1,299.78	
23 13 33 00-0027	EA	3/4 HP Fuel/Diesel Pump Set	1,426.02	
23 13 33 00-0028	EA	1 HP Fuel/Diesel Pump Set	2,020.01	
23 13 33 00-0029	EA	1-1/2 HP Fuel/Diesel Pump Set	2,486.77	
23 13 33 00-0030	EA	2 HP Fuel/Diesel Pump Set	2,754.27	
23 13 33 00-0031	EA	3 HP Fuel/Diesel Pump Set	3,375.18	
23 13 33 00-0032	EA	5 HP Fuel/Diesel Pump Set	3,989.22	
23 13 33 00-0033	EA	7.5 HP Fuel/Diesel Pump Set	4,465.65	
23 13 33 00-0034	EA	10 HP Fuel/Diesel Pump Set	5,153.47	

23 13 33 00-0035 Tank Bulkhead Fittings *(23 13 33)*

23 13 33 00-0036 Tank Bulkhead Fittings *(23 13 33 00-0035)*

23 13 33 00-0037 Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Socket x Threaded Connection *(23 13 33 00-0036)*

23 13 33 00-0038	EA	1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	27.43	
23 13 33 00-0039	EA	3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	30.60	
23 13 33 00-0040	EA	1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	33.61	
23 13 33 00-0041	EA	1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	39.85	
23 13 33 00-0042	EA	1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	41.47	
23 13 33 00-0043	EA	2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	52.73	
23 13 33 00-0044	EA	3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	79.70	
23 13 33 00-0045	EA	4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	133.73	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 33 00-0046		**Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Thread x Threaded Connection** *(23 13 33 00-0036)*		
23 13 33 00-0047	EA	1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	31.06	
23 13 33 00-0048	EA	3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	34.22	
23 13 33 00-0049	EA	1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	37.38	
23 13 33 00-0050	EA	1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	45.71	
23 13 33 00-0051	EA	1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	48.86	
23 13 33 00-0052	EA	2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	59.42	
23 13 33 00-0053	EA	3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	88.63	
23 13 33 00-0054	EA	4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	146.41	
23 13 33 00-0055		**Chlorinated Polyvinyl Chloride (CPVC) Tank Bulkhead Fittings, Socket x Threaded Connection** *(23 13 33 00-0036)*		
23 13 33 00-0056	EA	1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	31.89	
23 13 33 00-0057	EA	3/4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	36.60	
23 13 33 00-0058	EA	1" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	41.15	
23 13 33 00-0059	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	52.49	
23 13 33 00-0060	EA	2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	66.94	
23 13 33 00-0061	EA	3" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	100.76	
23 13 33 00-0062	EA	4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	153.95	
23 13 33 00-0063		**Polypropylene Tank Bulkhead Fitting Thread x Threaded Connection** *(23 13 33 00-0036)*		
23 13 33 00-0064	EA	1/2" Polypropylene Bulkhead Fitting, Thread x Thread	36.50	
23 13 33 00-0065	EA	3/4" Polypropylene Bulkhead Fitting, Thread x Thread	42.74	
23 13 33 00-0066	EA	1" Polypropylene Bulkhead Fitting, Thread x Thread	51.88	
23 13 33 00-0067	EA	1-1/4" Polypropylene Bulkhead Fitting, Thread x Thread	62.44	
23 13 33 00-0068	EA	1-1/2" Polypropylene Bulkhead Fitting, Thread x Thread	64.06	
23 13 33 00-0069	EA	2" Polypropylene Bulkhead Fitting, Thread x Thread	89.11	
23 13 33 00-0070	EA	3" Polypropylene Bulkhead Fitting, Thread x Thread	154.30	
23 13 33 00-0071	EA	4" Polypropylene Bulkhead Fitting, Thread x Thread	269.67	
23 13 33 00-0072		**Polyethylene Tank Bulkhead Fittings Thread x Threaded Connection** *(23 13 33 00-0036)*		
23 13 33 00-0073	EA	3/4" Polyethylene Bulkhead Fitting, Thread x Thread	33.25	
23 13 33 00-0074	EA	1" Polyethylene Bulkhead Fitting, Thread x Thread	41.80	
23 13 33 00-0075	EA	1-1/4" Polyethylene Bulkhead Fitting, Thread x Thread	43.43	
23 13 33 00-0076	EA	1-1/2" Polyethylene Bulkhead Fitting, Thread x Thread	45.05	
23 13 33 00-0077	EA	2" Polyethylene Bulkhead Fitting, Thread x Thread	60.53	
23 13 33 00-0078	EA	3" Polyethylene Bulkhead Fitting, Thread x Thread	75.28	
23 13 33 00-0079		**TFE Teflon Tank Bulkhead Fittings, Thread x Threaded Connection** *(23 13 33 00-0036)*		
23 13 33 00-0080	EA	1/8" TFE Teflon Bulkhead Fitting, Thread x Thread	122.92	
23 13 33 00-0081	EA	1/4" TFE Teflon Bulkhead Fitting, Thread x Thread	140.48	
23 13 33 00-0082	EA	3/8" TFE Teflon Bulkhead Fitting, Thread x Thread	171.95	
23 13 33 00-0083	EA	1/2" TFE Teflon Bulkhead Fitting, Thread x Thread	197.81	
23 13 33 00-0084	EA	3/4" TFE Teflon Bulkhead Fitting, Thread x Thread	227.70	
23 13 33 00-0085	EA	1" TFE Teflon Bulkhead Fitting, Thread x Thread	285.89	
23 13 33 00-0086	EA	1-1/2" TFE Teflon Bulkhead Fitting, Thread x Thread	370.61	
23 13 33 00-0087	EA	2" TFE Teflon Bulkhead Fitting, Thread x Thread	409.25	
23 13 33 00-0088		**Self-Aligning Bulkhead Fittings** *(23 13 33 00-0035)*		
23 13 33 00-0089	EA	3/4" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	127.40	
23 13 33 00-0090	EA	1" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	128.09	
23 13 33 00-0091	EA	1-1/2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	185.18	
23 13 33 00-0092	EA	2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	189.43	
23 13 33 00-0093	EA	3" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	253.37	

23 20 HVAC Piping And Pumps *(23)*

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which do include the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

23 21 Hydronic Piping And Pumps *(23 20)*

23 21 13 Hydronic Piping *(23 21)*

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which do include the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

23 21 13 23 Aboveground Hydronic Piping *(23 21 13)*

23 21 13 23-0001 Threaded Black Steel Pipe *(23 21 13 23)*

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0002		Threaded Black Steel Pipe Assemblies *(23 21 13 23-0001)*			
		Note: ASTM A-53. Threaded and coupled. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
23 21 13 23-0003	LF	1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly		11.78	2.99
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add		*2.62*	
		For Work In Restricted Working Space, Add		*3.09*	
23 21 13 23-0004	LF	3/4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly		12.47	3.21
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add		*2.80*	
		For Work In Restricted Working Space, Add		*3.23*	
23 21 13 23-0005	LF	1" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly		13.46	3.52
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add		*3.07*	
		For Work In Restricted Working Space, Add		*3.41*	
23 21 13 23-0006	LF	1-1/4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly		14.87	3.67
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add		*3.44*	
		For Work In Restricted Working Space, Add		*3.68*	
23 21 13 23-0007	LF	1-1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly		15.20	4.34
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add		*3.54*	
		For Work In Restricted Working Space, Add		*3.73*	
23 21 13 23-0008	LF	2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly		17.43	5.24
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add		*4.10*	
		For Work In Restricted Working Space, Add		*4.20*	
23 21 13 23-0009	LF	2-1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly		22.98	6.21
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add		*5.60*	
		For Work In Restricted Working Space, Add		*5.22*	
23 21 13 23-0010	LF	3" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly		28.37	8.31
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add		*6.95*	
		For Work In Restricted Working Space, Add		*6.39*	
23 21 13 23-0011	LF	4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly		33.44	9.72
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add		*8.50*	
		For Work In Restricted Working Space, Add		*7.02*	
23 21 13 23-0012	LF	5" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly		44.41	12.42
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add		*11.86*	
		For Work In Restricted Working Space, Add		*8.36*	
23 21 13 23-0013	LF	6" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly		54.78	14.69
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add		*15.13*	
		For Work In Restricted Working Space, Add		*9.48*	
23 21 13 23-0014		Threaded Black Steel Pipe And Fittings *(23 21 13 23-0001)*			
		Note: (ASTM A-53) Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.			
23 21 13 23-0015		Threaded And Coupled, Black Steel Piping *(23 21 13 23-0014)*			
		Note: ASTM A-53. Includes coupling.			
23 21 13 23-0016	LF	3/8" Schedule 40, Threaded And Coupled, Black Steel Pipe		4.44	1.87
		For Schedule 80 Pipe, Add		*0.68*	
		For Work In Restricted Working Space, Add		*1.13*	
23 21 13 23-0017	LF	1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe		5.15	2.99
		For Schedule 80 Pipe, Add		*0.73*	
		For Work In Restricted Working Space, Add		*1.36*	
23 21 13 23-0018	LF	3/4" Schedule 40, Threaded And Coupled, Black Steel Pipe		5.64	3.21
		For Schedule 80 Pipe, Add		*0.85*	
		For Work In Restricted Working Space, Add		*1.45*	
23 21 13 23-0019	LF	1" Schedule 40, Threaded And Coupled, Black Steel Pipe		6.43	3.52
		For Schedule 80 Pipe, Add		*1.06*	
		For Work In Restricted Working Space, Add		*1.57*	
23 21 13 23-0020	LF	1-1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe		7.14	3.67
		For Schedule 80 Pipe, Add		*1.27*	
		For Work In Restricted Working Space, Add		*1.66*	
23 21 13 23-0021	LF	1-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe		8.44	4.34
		For Schedule 80 Pipe, Add		*1.52*	
		For Work In Restricted Working Space, Add		*1.95*	
23 21 13 23-0022	LF	2" Schedule 40, Threaded And Coupled, Black Steel Pipe		10.47	5.24
		For Schedule 80 Pipe, Add		*1.95*	
		For Work In Restricted Working Space, Add		*2.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0023	LF	2-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe	13.57	6.21
		For Schedule 80 Pipe, Add	*2.83*	
		For Work In Restricted Working Space, Add	*2.81*	
23 21 13 23-0024	LF	3" Schedule 40, Threaded And Coupled, Black Steel Pipe	18.00	8.31
		For Schedule 80 Pipe, Add	*3.74*	
		For Work In Restricted Working Space, Add	*3.74*	
23 21 13 23-0025	LF	4" Schedule 40, Threaded And Coupled, Black Steel Pipe	22.49	9.72
		For Schedule 80 Pipe, Add	*5.00*	
		For Work In Restricted Working Space, Add	*4.39*	
23 21 13 23-0026	LF	5" Schedule 40, Threaded And Coupled, Black Steel Pipe	29.25	12.42
		For Schedule 80 Pipe, Add	*6.65*	
		For Work In Restricted Working Space, Add	*5.58*	
23 21 13 23-0027	LF	6" Schedule 40, Threaded And Coupled, Black Steel Pipe	36.06	14.69
		For Schedule 80 Pipe, Add	*8.52*	
		For Work In Restricted Working Space, Add	*6.60*	
23 21 13 23-0028	LF	8" Schedule 40, Threaded And Coupled, Black Steel Pipe	47.41	17.76
		For Schedule 80 Pipe, Add	*12.04*	
		For Work In Restricted Working Space, Add	*7.97*	
23 21 13 23-0029	LF	10" Schedule 40, Threaded And Coupled, Black Steel Pipe	61.97	21.63
		For Schedule 80 Pipe, Add	*16.52*	
		For Work In Restricted Working Space, Add	*9.74*	
23 21 13 23-0030	LF	12" Schedule 40, Threaded And Coupled, Black Steel Pipe	82.28	28.43
		For Schedule 80 Pipe, Add	*22.11*	
		For Work In Restricted Working Space, Add	*12.79*	

23 21 13 23-0031 Black Malleable Iron 90 Degree Elbows *(23 21 13 23-0014)*

23 21 13 23-0032	EA	3/8", 150 LB, Black Malleable Iron 90 Degree Elbow	18.14	8.31
		For 225 LB Rating, Add	*1.32*	
		For 300 LB Rating, Add	*4.62*	
		For Standard Weight Cast Iron Fittings, Add	*0.02*	
		For Work In Restricted Working Space, Add	*4.99*	
23 21 13 23-0033	EA	1/2", 150 LB, Black Malleable Iron 90 Degree Elbow	21.41	13.32
		For 225 LB Rating, Add	*1.28*	
		For 300 LB Rating, Add	*4.70*	
		For Standard Weight Cast Iron Fittings, Add	*0.02*	
		For Work In Restricted Working Space, Add	*5.99*	
23 21 13 23-0034	EA	3/4", 150 LB, Black Malleable Iron 90 Degree Elbow	24.01	14.89
		For 225 LB Rating, Add	*1.46*	
		For 300 LB Rating, Add	*5.35*	
		For Standard Weight Cast Iron Fittings, Add	*0.03*	
		For Work In Restricted Working Space, Add	*6.70*	
23 21 13 23-0035	EA	1", 150 LB, Black Malleable Iron 90 Degree Elbow	28.02	16.61
		For 225 LB Rating, Add	*2.69*	
		For 300 LB Rating, Add	*8.87*	
		For Standard Weight Cast Iron Fittings, Add	*0.05*	
		For Work In Restricted Working Space, Add	*7.49*	
23 21 13 23-0036	EA	1-1/4", 150 LB, Black Malleable Iron 90 Degree Elbow	33.97	18.86
		For 225 LB Rating, Add	*5.01*	
		For 300 LB Rating, Add	*15.45*	
		For Standard Weight Cast Iron Fittings, Add	*0.09*	
		For Work In Restricted Working Space, Add	*8.47*	
23 21 13 23-0037	EA	1-1/2", 150 LB, Black Malleable Iron 90 Degree Elbow	38.52	21.25
		For 225 LB Rating, Add	*5.84*	
		For 300 LB Rating, Add	*17.92*	
		For Standard Weight Cast Iron Fittings, Add	*0.11*	
		For Work In Restricted Working Space, Add	*9.56*	
23 21 13 23-0038	EA	2", 150 LB, Black Malleable Iron 90 Degree Elbow	50.25	27.02
		For 225 LB Rating, Add	*8.58*	
		For 300 LB Rating, Add	*25.95*	
		For Standard Weight Cast Iron Fittings, Add	*0.16*	
		For Work In Restricted Working Space, Add	*12.14*	
23 21 13 23-0039	EA	2-1/2", 150 LB, Black Malleable Iron 90 Degree Elbow	84.73	39.96
		For 225 LB Rating, Add	*21.75*	
		For 300 LB Rating, Add	*63.26*	
		For Standard Weight Cast Iron Fittings, Add	*0.40*	
		For Work In Restricted Working Space, Add	*17.96*	
23 21 13 23-0040	EA	3", 150 LB, Black Malleable Iron 90 Degree Elbow	115.88	52.54
		For 225 LB Rating, Add	*32.46*	
		For 300 LB Rating, Add	*93.77*	
		For Standard Weight Cast Iron Fittings, Add	*0.59*	
		For Work In Restricted Working Space, Add	*23.63*	
23 21 13 23-0041	EA	4", 150 LB, Black Malleable Iron 90 Degree Elbow	164.04	56.85
		For 225 LB Rating, Add	*68.93*	
		For 300 LB Rating, Add	*194.19*	
		For Standard Weight Cast Iron Fittings, Add	*1.26*	
		For Work In Restricted Working Space, Add	*25.58*	
23 21 13 23-0042	EA	5", 150 LB, Black Malleable Iron 90 Degree Elbow	295.36	59.34
		For 225 LB Rating, Add	*180.59*	
		For 300 LB Rating, Add	*500.67*	
		For Standard Weight Cast Iron Fittings, Add	*3.30*	
		For Work In Restricted Working Space, Add	*26.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0043	EA	6", 150 LB, Black Malleable Iron 90 Degree Elbow	317.80	62.04
		For 225 LB Rating, Add	*196.69*	
		For 300 LB Rating, Add	*545.08*	
		For Standard Weight Cast Iron Fittings, Add	*3.60*	
		For Work In Restricted Working Space, Add	*27.90*	
23 21 13 23-0044		**Black Malleable Iron Reducing 90 Degree Elbows** *(23 21 13 23-0014)*		
23 21 13 23-0045	EA	3/4" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	18.69	10.63
		For 225 LB Rating, Add	*2.42*	
		For 300 LB Rating, Add	*7.58*	
		For Standard Weight Cast Iron Fittings, Add	*0.04*	
		For Work In Restricted Working Space, Add	*4.78*	
23 21 13 23-0046	EA	1" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	23.83	13.47
		For 225 LB Rating, Add	*3.15*	
		For 300 LB Rating, Add	*9.85*	
		For Standard Weight Cast Iron Fittings, Add	*0.06*	
		For Work In Restricted Working Space, Add	*6.07*	
23 21 13 23-0047	EA	1" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	23.83	13.47
		For 225 LB Rating, Add	*3.15*	
		For 300 LB Rating, Add	*9.85*	
		For Standard Weight Cast Iron Fittings, Add	*0.06*	
		For Work In Restricted Working Space, Add	*6.07*	
23 21 13 23-0048	EA	1-1/4" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	34.08	18.86
		For 225 LB Rating, Add	*5.11*	
		For 300 LB Rating, Add	*15.71*	
		For Standard Weight Cast Iron Fittings, Add	*0.09*	
		For Work In Restricted Working Space, Add	*8.47*	
23 21 13 23-0049	EA	1-1/4" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	34.44	18.86
		For 225 LB Rating, Add	*5.43*	
		For 300 LB Rating, Add	*16.57*	
		For Standard Weight Cast Iron Fittings, Add	*0.10*	
		For Work In Restricted Working Space, Add	*8.47*	
23 21 13 23-0050	EA	1-1/4" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	35.43	18.86
		For 225 LB Rating, Add	*6.29*	
		For 300 LB Rating, Add	*18.95*	
		For Standard Weight Cast Iron Fittings, Add	*0.12*	
		For Work In Restricted Working Space, Add	*8.47*	
23 21 13 23-0051	EA	1-1/2" x 1-1/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	39.72	21.25
		For 225 LB Rating, Add	*6.89*	
		For 300 LB Rating, Add	*20.80*	
		For Standard Weight Cast Iron Fittings, Add	*0.13*	
		For Work In Restricted Working Space, Add	*9.56*	
23 21 13 23-0052	EA	1-1/2" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	39.72	21.25
		For 225 LB Rating, Add	*6.89*	
		For 300 LB Rating, Add	*20.80*	
		For Standard Weight Cast Iron Fittings, Add	*0.13*	
		For Work In Restricted Working Space, Add	*9.56*	
23 21 13 23-0053	EA	1-1/2" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	40.86	21.25
		For 225 LB Rating, Add	*7.88*	
		For 300 LB Rating, Add	*23.54*	
		For Standard Weight Cast Iron Fittings, Add	*0.14*	
		For Work In Restricted Working Space, Add	*9.56*	
23 21 13 23-0054	EA	2" x 1-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	51.86	27.02
		For 225 LB Rating, Add	*9.98*	
		For 300 LB Rating, Add	*29.81*	
		For Standard Weight Cast Iron Fittings, Add	*0.18*	
		For Work In Restricted Working Space, Add	*12.14*	
23 21 13 23-0055	EA	2" x 1-1/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	53.43	27.02
		For 225 LB Rating, Add	*11.36*	
		For 300 LB Rating, Add	*33.58*	
		For Standard Weight Cast Iron Fittings, Add	*0.21*	
		For Work In Restricted Working Space, Add	*12.14*	
23 21 13 23-0056	EA	2" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	53.43	27.02
		For 225 LB Rating, Add	*11.36*	
		For 300 LB Rating, Add	*33.58*	
		For Standard Weight Cast Iron Fittings, Add	*0.21*	
		For Work In Restricted Working Space, Add	*12.14*	
23 21 13 23-0057	EA	2" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	53.43	27.02
		For 225 LB Rating, Add	*11.36*	
		For 300 LB Rating, Add	*33.58*	
		For Standard Weight Cast Iron Fittings, Add	*0.21*	
		For Work In Restricted Working Space, Add	*12.14*	
23 21 13 23-0058	EA	2-1/2" x 2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	91.19	39.96
		For 225 LB Rating, Add	*27.41*	
		For 300 LB Rating, Add	*78.76*	
		For Standard Weight Cast Iron Fittings, Add	*0.50*	
		For Work In Restricted Working Space, Add	*17.96*	
23 21 13 23-0059	EA	2-1/2" x 1-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	91.19	39.96
		For 225 LB Rating, Add	*27.41*	
		For 300 LB Rating, Add	*78.76*	
		For Standard Weight Cast Iron Fittings, Add	*0.50*	
		For Work In Restricted Working Space, Add	*17.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0060	EA	3" x 2-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	129.33	52.54
		For 225 LB Rating, Add	*44.23*	
		For 300 LB Rating, Add	*126.05*	
		For Standard Weight Cast Iron Fittings, Add	*0.81*	
		For Work In Restricted Working Space, Add	*23.63*	
23 21 13 23-0061	EA	3" x 2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	129.33	52.54
		For 225 LB Rating, Add	*44.23*	
		For 300 LB Rating, Add	*126.05*	
		For Standard Weight Cast Iron Fittings, Add	*0.81*	
		For Work In Restricted Working Space, Add	*23.63*	
23 21 13 23-0062	EA	4" x 3", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	171.76	56.85
		For 225 LB Rating, Add	*75.69*	
		For 300 LB Rating, Add	*212.72*	
		For Standard Weight Cast Iron Fittings, Add	*1.38*	
		For Work In Restricted Working Space, Add	*25.58*	
23 21 13 23-0063		**Black Malleable Iron 45 Degree Elbows** *(23 21 13 23-0014)*		
23 21 13 23-0064	EA	3/8", 150 LB, Black Malleable Iron 45 Degree Elbow	18.92	8.31
		For 225 LB Rating, Add	*2.00*	
		For 300 LB Rating, Add	*6.49*	
		For Standard Weight Cast Iron Fittings, Add	*0.04*	
		For Work In Restricted Working Space, Add	*4.99*	
23 21 13 23-0065	EA	1/2", 150 LB, Black Malleable Iron 45 Degree Elbow	22.19	13.32
		For 225 LB Rating, Add	*1.96*	
		For 300 LB Rating, Add	*6.57*	
		For Standard Weight Cast Iron Fittings, Add	*0.04*	
		For Work In Restricted Working Space, Add	*5.99*	
23 21 13 23-0066	EA	3/4", 150 LB, Black Malleable Iron 45 Degree Elbow	25.15	14.89
		For 225 LB Rating, Add	*2.46*	
		For 300 LB Rating, Add	*8.08*	
		For Standard Weight Cast Iron Fittings, Add	*0.04*	
		For Work In Restricted Working Space, Add	*6.70*	
23 21 13 23-0067	EA	1", 150 LB, Black Malleable Iron 45 Degree Elbow	28.54	16.61
		For 225 LB Rating, Add	*3.14*	
		For 300 LB Rating, Add	*10.11*	
		For Standard Weight Cast Iron Fittings, Add	*0.06*	
		For Work In Restricted Working Space, Add	*7.49*	
23 21 13 23-0068	EA	1-1/4", 150 LB, Black Malleable Iron 45 Degree Elbow	34.75	18.86
		For 225 LB Rating, Add	*5.70*	
		For 300 LB Rating, Add	*17.32*	
		For Standard Weight Cast Iron Fittings, Add	*0.10*	
		For Work In Restricted Working Space, Add	*8.47*	
23 21 13 23-0069	EA	1-1/2", 150 LB, Black Malleable Iron 45 Degree Elbow	39.93	21.25
		For 225 LB Rating, Add	*7.07*	
		For 300 LB Rating, Add	*21.30*	
		For Standard Weight Cast Iron Fittings, Add	*0.13*	
		For Work In Restricted Working Space, Add	*9.56*	
23 21 13 23-0070	EA	2", 150 LB, Black Malleable Iron 45 Degree Elbow	50.87	27.02
		For 225 LB Rating, Add	*9.12*	
		For 300 LB Rating, Add	*27.44*	
		For Standard Weight Cast Iron Fittings, Add	*0.17*	
		For Work In Restricted Working Space, Add	*12.14*	
23 21 13 23-0071	EA	2-1/2", 150 LB, Black Malleable Iron 45 Degree Elbow	92.28	39.96
		For 225 LB Rating, Add	*28.36*	
		For 300 LB Rating, Add	*81.38*	
		For Standard Weight Cast Iron Fittings, Add	*0.52*	
		For Work In Restricted Working Space, Add	*17.96*	
23 21 13 23-0072	EA	3", 150 LB, Black Malleable Iron 45 Degree Elbow	123.33	52.54
		For 225 LB Rating, Add	*38.98*	
		For 300 LB Rating, Add	*111.65*	
		For Standard Weight Cast Iron Fittings, Add	*0.71*	
		For Work In Restricted Working Space, Add	*23.63*	
23 21 13 23-0073	EA	4", 150 LB, Black Malleable Iron 45 Degree Elbow	167.07	56.85
		For 225 LB Rating, Add	*71.58*	
		For 300 LB Rating, Add	*201.46*	
		For Standard Weight Cast Iron Fittings, Add	*1.31*	
		For Work In Restricted Working Space, Add	*25.58*	
23 21 13 23-0074	EA	5", 150 LB, Black Malleable Iron 45 Degree Elbow	350.75	59.34
		For 225 LB Rating, Add	*229.06*	
		For 300 LB Rating, Add	*633.61*	
		For Standard Weight Cast Iron Fittings, Add	*4.19*	
		For Work In Restricted Working Space, Add	*26.69*	
23 21 13 23-0075	EA	6", 150 LB, Black Malleable Iron 45 Degree Elbow	371.26	62.04
		For 225 LB Rating, Add	*243.47*	
		For 300 LB Rating, Add	*673.38*	
		For Standard Weight Cast Iron Fittings, Add	*4.45*	
		For Work In Restricted Working Space, Add	*27.90*	
23 21 13 23-0076		**Black Malleable Iron Tees** *(23 21 13 23-0014)*		
23 21 13 23-0077	EA	3/8", 150 LB, Black Malleable Iron Tee	22.80	10.41
		For 225 LB Rating, Add	*1.76*	
		For 300 LB Rating, Add	*6.07*	
		For Standard Weight Cast Iron Fittings, Add	*0.03*	
		For Work In Restricted Working Space, Add	*6.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0078	EA	1/2", 150 LB, Black Malleable Iron Tee	26.83	16.61
		For 225 LB Rating, Add	*1.65*	
		For 300 LB Rating, Add	*6.01*	
		For Standard Weight Cast Iron Fittings, Add	*0.03*	
		For Work In Restricted Working Space, Add	*7.49*	
23 21 13 23-0079	EA	3/4", 150 LB, Black Malleable Iron Tee	31.50	19.23
		For 225 LB Rating, Add	*2.37*	
		For 300 LB Rating, Add	*8.23*	
		For Standard Weight Cast Iron Fittings, Add	*0.04*	
		For Work In Restricted Working Space, Add	*8.64*	
23 21 13 23-0080	EA	1", 150 LB, Black Malleable Iron Tee	38.81	22.67
		For 225 LB Rating, Add	*4.19*	
		For 300 LB Rating, Add	*13.54*	
		For Standard Weight Cast Iron Fittings, Add	*0.08*	
		For Work In Restricted Working Space, Add	*10.21*	
23 21 13 23-0081	EA	1-1/4", 150 LB, Black Malleable Iron Tee	48.27	27.02
		For 225 LB Rating, Add	*6.84*	
		For 300 LB Rating, Add	*21.20*	
		For Standard Weight Cast Iron Fittings, Add	*0.13*	
		For Work In Restricted Working Space, Add	*12.14*	
23 21 13 23-0082	EA	1-1/2", 150 LB, Black Malleable Iron Tee	57.97	32.18
		For 225 LB Rating, Add	*8.48*	
		For 300 LB Rating, Add	*26.15*	
		For Standard Weight Cast Iron Fittings, Add	*0.16*	
		For Work In Restricted Working Space, Add	*14.48*	
23 21 13 23-0083	EA	2", 150 LB, Black Malleable Iron Tee	73.94	39.96
		For 225 LB Rating, Add	*12.31*	
		For 300 LB Rating, Add	*37.36*	
		For Standard Weight Cast Iron Fittings, Add	*0.23*	
		For Work In Restricted Working Space, Add	*17.96*	
23 21 13 23-0084	EA	2-1/2", 150 LB, Black Malleable Iron Tee	112.65	52.54
		For 225 LB Rating, Add	*29.64*	
		For 300 LB Rating, Add	*86.01*	
		For Standard Weight Cast Iron Fittings, Add	*0.54*	
		For Work In Restricted Working Space, Add	*23.63*	
23 21 13 23-0085	EA	3", 150 LB, Black Malleable Iron Tee	144.41	62.41
		For 225 LB Rating, Add	*44.50*	
		For 300 LB Rating, Add	*127.68*	
		For Standard Weight Cast Iron Fittings, Add	*0.81*	
		For Work In Restricted Working Space, Add	*28.07*	
23 21 13 23-0086	EA	4", 150 LB, Black Malleable Iron Tee	227.18	71.83
		For 225 LB Rating, Add	*104.55*	
		For 300 LB Rating, Add	*293.21*	
		For Standard Weight Cast Iron Fittings, Add	*1.91*	
		For Work In Restricted Working Space, Add	*32.31*	
23 21 13 23-0087	EA	5", 150 LB, Black Malleable Iron Tee	397.44	85.28
		For 225 LB Rating, Add	*235.86*	
		For 300 LB Rating, Add	*654.59*	
		For Standard Weight Cast Iron Fittings, Add	*4.31*	
		For Work In Restricted Working Space, Add	*38.37*	
23 21 13 23-0088	EA	6", 150 LB, Black Malleable Iron Tee	468.84	97.49
		For 225 LB Rating, Add	*282.35*	
		For 300 LB Rating, Add	*783.23*	
		For Standard Weight Cast Iron Fittings, Add	*5.16*	
		For Work In Restricted Working Space, Add	*43.85*	

23 21 13 23-0089 Black Malleable Iron Reducing Tees *(23 21 13 23-0014)*

23 21 13 23-0090	EA	1/2", 150 LB, Black Malleable Iron Reducing Tee	27.14	16.61
		For 225 LB Rating, Add	*1.92*	
		For 300 LB Rating, Add	*6.75*	
		For Standard Weight Cast Iron Fittings, Add	*0.04*	
		For Work In Restricted Working Space, Add	*7.49*	
23 21 13 23-0091	EA	3/4", 150 LB, Black Malleable Iron Reducing Tee	31.86	19.23
		For 225 LB Rating, Add	*2.69*	
		For 300 LB Rating, Add	*9.10*	
		For Standard Weight Cast Iron Fittings, Add	*0.05*	
		For Work In Restricted Working Space, Add	*8.64*	
23 21 13 23-0092	EA	1", 150 LB, Black Malleable Iron Reducing Tee	39.33	22.67
		For 225 LB Rating, Add	*4.65*	
		For 300 LB Rating, Add	*14.79*	
		For Standard Weight Cast Iron Fittings, Add	*0.08*	
		For Work In Restricted Working Space, Add	*10.21*	
23 21 13 23-0093	EA	1-1/4", 150 LB, Black Malleable Iron Reducing Tee	49.31	27.02
		For 225 LB Rating, Add	*7.75*	
		For 300 LB Rating, Add	*23.69*	
		For Standard Weight Cast Iron Fittings, Add	*0.14*	
		For Work In Restricted Working Space, Add	*12.14*	
23 21 13 23-0094	EA	1-1/2", 150 LB, Black Malleable Iron Reducing Tee	59.22	32.18
		For 225 LB Rating, Add	*9.57*	
		For 300 LB Rating, Add	*29.15*	
		For Standard Weight Cast Iron Fittings, Add	*0.18*	
		For Work In Restricted Working Space, Add	*14.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0095	EA	2", 150 LB, Black Malleable Iron Reducing Tee	75.81	39.96
		For 225 LB Rating, Add	*13.95*	
		For 300 LB Rating, Add	*41.85*	
		For Standard Weight Cast Iron Fittings, Add	*0.26*	
		For Work In Restricted Working Space, Add	*17.96*	
23 21 13 23-0096	EA	2-1/2", 150 LB, Black Malleable Iron Reducing Tee	117.13	52.54
		For 225 LB Rating, Add	*33.56*	
		For 300 LB Rating, Add	*96.77*	
		For Standard Weight Cast Iron Fittings, Add	*0.61*	
		For Work In Restricted Working Space, Add	*23.63*	
23 21 13 23-0097	EA	3", 150 LB, Black Malleable Iron Reducing Tee	150.97	62.41
		For 225 LB Rating, Add	*50.24*	
		For 300 LB Rating, Add	*143.42*	
		For Standard Weight Cast Iron Fittings, Add	*0.92*	
		For Work In Restricted Working Space, Add	*28.07*	
23 21 13 23-0098	EA	4", 150 LB, Black Malleable Iron Reducing Tee	220.20	71.83
		For 225 LB Rating, Add	*98.44*	
		For 300 LB Rating, Add	*276.46*	
		For Standard Weight Cast Iron Fittings, Add	*1.80*	
		For Work In Restricted Working Space, Add	*32.31*	
23 21 13 23-0099	EA	5", 150 LB, Black Malleable Iron Reducing Tee	386.25	85.28
		For 225 LB Rating, Add	*226.07*	
		For 300 LB Rating, Add	*627.74*	
		For Standard Weight Cast Iron Fittings, Add	*4.13*	
		For Work In Restricted Working Space, Add	*38.37*	
23 21 13 23-0100	EA	6", 150 LB, Black Malleable Iron Reducing Tee	455.66	97.49
		For 225 LB Rating, Add	*270.82*	
		For 300 LB Rating, Add	*751.59*	
		For Standard Weight Cast Iron Fittings, Add	*4.95*	
		For Work In Restricted Working Space, Add	*43.85*	
23 21 13 23-0101	EA	8", 150 LB, Black Malleable Iron Reducing Tee	1,304.58	170.64
		For 225 LB Rating, Add	*917.71*	
		For 300 LB Rating, Add	*2,532.49*	
		For Standard Weight Cast Iron Fittings, Add	*16.78*	
		For Work In Restricted Working Space, Add	*76.73*	

23 21 13 23-0102 Black Malleable Iron Couplings *(23 21 13 23-0014)*

23 21 13 23-0103	EA	3/8", 150 LB, Black Malleable Iron Coupling	18.53	8.31
		For 225 LB Rating, Add	*1.66*	
		For 300 LB Rating, Add	*5.56*	
		For Standard Weight Cast Iron Fittings, Add	*0.03*	
		For Work In Restricted Working Space, Add	*4.99*	
23 21 13 23-0104	EA	1/2", 150 LB, Black Malleable Iron Coupling	21.93	13.32
		For 225 LB Rating, Add	*1.73*	
		For 300 LB Rating, Add	*5.95*	
		For Standard Weight Cast Iron Fittings, Add	*0.03*	
		For Work In Restricted Working Space, Add	*5.99*	
23 21 13 23-0105	EA	3/4", 150 LB, Black Malleable Iron Coupling	24.68	14.89
		For 225 LB Rating, Add	*2.05*	
		For 300 LB Rating, Add	*6.96*	
		For Standard Weight Cast Iron Fittings, Add	*0.04*	
		For Work In Restricted Working Space, Add	*6.70*	
23 21 13 23-0106	EA	1", 150 LB, Black Malleable Iron Coupling	28.54	16.61
		For 225 LB Rating, Add	*3.14*	
		For 300 LB Rating, Add	*10.11*	
		For Standard Weight Cast Iron Fittings, Add	*0.06*	
		For Work In Restricted Working Space, Add	*7.49*	
23 21 13 23-0107	EA	1-1/4", 150 LB, Black Malleable Iron Coupling	32.77	18.86
		For 225 LB Rating, Add	*3.96*	
		For 300 LB Rating, Add	*12.57*	
		For Standard Weight Cast Iron Fittings, Add	*0.07*	
		For Work In Restricted Working Space, Add	*8.47*	
23 21 13 23-0108	EA	1-1/2", 150 LB, Black Malleable Iron Coupling	37.95	21.25
		For 225 LB Rating, Add	*5.34*	
		For 300 LB Rating, Add	*16.55*	
		For Standard Weight Cast Iron Fittings, Add	*0.10*	
		For Work In Restricted Working Space, Add	*9.56*	
23 21 13 23-0109	EA	2", 150 LB, Black Malleable Iron Coupling	49.36	27.02
		For 225 LB Rating, Add	*7.80*	
		For 300 LB Rating, Add	*23.81*	
		For Standard Weight Cast Iron Fittings, Add	*0.14*	
		For Work In Restricted Working Space, Add	*12.14*	
23 21 13 23-0110	EA	2-1/2", 150 LB, Black Malleable Iron Coupling	82.28	39.96
		For 225 LB Rating, Add	*19.61*	
		For 300 LB Rating, Add	*57.38*	
		For Standard Weight Cast Iron Fittings, Add	*0.36*	
		For Work In Restricted Working Space, Add	*17.96*	
23 21 13 23-0111	EA	3", 150 LB, Black Malleable Iron Coupling	109.68	52.54
		For 225 LB Rating, Add	*27.04*	
		For 300 LB Rating, Add	*78.89*	
		For Standard Weight Cast Iron Fittings, Add	*0.49*	
		For Work In Restricted Working Space, Add	*23.63*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0112	EA	4", 150 LB, Black Malleable Iron Coupling	146.90	56.85
		For 225 LB Rating, Add	*53.94*	
		For 300 LB Rating, Add	*153.05*	
		For Standard Weight Cast Iron Fittings, Add	*0.99*	
		For Work In Restricted Working Space, Add	*25.58*	
23 21 13 23-0113	EA	5", 150 LB, Black Malleable Iron Coupling	214.86	59.34
		For 225 LB Rating, Add	*110.15*	
		For 300 LB Rating, Add	*307.47*	
		For Standard Weight Cast Iron Fittings, Add	*2.01*	
		For Work In Restricted Working Space, Add	*26.69*	
23 21 13 23-0114	EA	6", 150 LB, Black Malleable Iron Coupling	243.70	62.04
		For 225 LB Rating, Add	*131.85*	
		For 300 LB Rating, Add	*367.24*	
		For Standard Weight Cast Iron Fittings, Add	*2.41*	
		For Work In Restricted Working Space, Add	*27.90*	

23 21 13 23-0115 Black Malleable Iron Reducing Couplings *(23 21 13 23-0014)*

23 21 13 23-0116	EA	1/2", 150 LB, Black Malleable Iron Reducing Coupling	21.98	13.32
		For 225 LB Rating, Add	*1.78*	
		For 300 LB Rating, Add	*6.07*	
		For Standard Weight Cast Iron Fittings, Add	*0.03*	
		For Work In Restricted Working Space, Add	*5.99*	
23 21 13 23-0117	EA	3/4", 150 LB, Black Malleable Iron Reducing Coupling	24.68	14.89
		For 225 LB Rating, Add	*2.05*	
		For 300 LB Rating, Add	*6.96*	
		For Standard Weight Cast Iron Fittings, Add	*0.04*	
		For Work In Restricted Working Space, Add	*6.70*	
23 21 13 23-0118	EA	1", 150 LB, Black Malleable Iron Reducing Coupling	28.60	16.61
		For 225 LB Rating, Add	*3.19*	
		For 300 LB Rating, Add	*10.26*	
		For Standard Weight Cast Iron Fittings, Add	*0.06*	
		For Work In Restricted Working Space, Add	*7.49*	
23 21 13 23-0119	EA	1-1/4", 150 LB, Black Malleable Iron Reducing Coupling	32.77	18.86
		For 225 LB Rating, Add	*3.96*	
		For 300 LB Rating, Add	*12.57*	
		For Standard Weight Cast Iron Fittings, Add	*0.07*	
		For Work In Restricted Working Space, Add	*8.47*	
23 21 13 23-0120	EA	1-1/2", 150 LB, Black Malleable Iron Reducing Coupling	38.15	21.25
		For 225 LB Rating, Add	*5.51*	
		For 300 LB Rating, Add	*17.03*	
		For Standard Weight Cast Iron Fittings, Add	*0.10*	
		For Work In Restricted Working Space, Add	*9.56*	
23 21 13 23-0121	EA	2", 150 LB, Black Malleable Iron Reducing Coupling	48.79	27.02
		For 225 LB Rating, Add	*7.30*	
		For 300 LB Rating, Add	*22.44*	
		For Standard Weight Cast Iron Fittings, Add	*0.13*	
		For Work In Restricted Working Space, Add	*12.14*	
23 21 13 23-0122	EA	2-1/2", 150 LB, Black Malleable Iron Reducing Coupling	80.09	39.96
		For 225 LB Rating, Add	*17.69*	
		For 300 LB Rating, Add	*52.12*	
		For Standard Weight Cast Iron Fittings, Add	*0.32*	
		For Work In Restricted Working Space, Add	*17.96*	
23 21 13 23-0123	EA	3", 150 LB, Black Malleable Iron Reducing Coupling	109.99	52.54
		For 225 LB Rating, Add	*27.31*	
		For 300 LB Rating, Add	*79.63*	
		For Standard Weight Cast Iron Fittings, Add	*0.50*	
		For Work In Restricted Working Space, Add	*23.63*	
23 21 13 23-0124	EA	4", 150 LB, Black Malleable Iron Reducing Coupling	148.41	56.85
		For 225 LB Rating, Add	*55.26*	
		For 300 LB Rating, Add	*156.68*	
		For Standard Weight Cast Iron Fittings, Add	*1.01*	
		For Work In Restricted Working Space, Add	*25.58*	
23 21 13 23-0125	EA	5", 150 LB, Black Malleable Iron Reducing Coupling	207.30	59.34
		For 225 LB Rating, Add	*103.54*	
		For 300 LB Rating, Add	*289.33*	
		For Standard Weight Cast Iron Fittings, Add	*1.89*	
		For Work In Restricted Working Space, Add	*26.69*	
23 21 13 23-0126	EA	6", 150 LB, Black Malleable Iron Reducing Coupling	250.89	62.04
		For 225 LB Rating, Add	*138.15*	
		For 300 LB Rating, Add	*384.49*	
		For Standard Weight Cast Iron Fittings, Add	*2.53*	
		For Work In Restricted Working Space, Add	*27.90*	

23 21 13 23-0127 Black Malleable Iron Caps *(23 21 13 23-0014)*

23 21 13 23-0128	EA	1/2", 150 LB, Black Malleable Iron Cap	10.87	6.21
		For 225 LB Rating, Add	*1.32*	
		For 300 LB Rating, Add	*4.19*	
		For Standard Weight Cast Iron Fittings, Add	*0.02*	
		For Work In Restricted Working Space, Add	*2.81*	
23 21 13 23-0129	EA	3/4", 150 LB, Black Malleable Iron Cap	11.96	6.66
		For 225 LB Rating, Add	*1.73*	
		For 300 LB Rating, Add	*5.35*	
		For Standard Weight Cast Iron Fittings, Add	*0.03*	
		For Work In Restricted Working Space, Add	*2.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0130	EA	1", 150 LB, Black Malleable Iron Cap	13.91	7.71
		For 225 LB Rating, Add	*2.10*	
		For 300 LB Rating, Add	*6.45*	
		For Standard Weight Cast Iron Fittings, Add	*0.04*	
		For Work In Restricted Working Space, Add	*3.45*	
23 21 13 23-0131	EA	1-1/4", 150 LB, Black Malleable Iron Cap	15.60	8.31
		For 225 LB Rating, Add	*2.74*	
		For 300 LB Rating, Add	*8.26*	
		For Standard Weight Cast Iron Fittings, Add	*0.05*	
		For Work In Restricted Working Space, Add	*3.74*	
23 21 13 23-0132	EA	1-1/2", 150 LB, Black Malleable Iron Cap	16.74	8.31
		For 225 LB Rating, Add	*3.74*	
		For 300 LB Rating, Add	*11.00*	
		For Standard Weight Cast Iron Fittings, Add	*0.07*	
		For Work In Restricted Working Space, Add	*3.74*	
23 21 13 23-0133	EA	2", 150 LB, Black Malleable Iron Cap	21.68	10.70
		For 225 LB Rating, Add	*4.88*	
		For 300 LB Rating, Add	*14.36*	
		For Standard Weight Cast Iron Fittings, Add	*0.09*	
		For Work In Restricted Working Space, Add	*4.83*	
23 21 13 23-0134	EA	2-1/2", 150 LB, Black Malleable Iron Cap	33.08	13.32
		For 225 LB Rating, Add	*11.49*	
		For 300 LB Rating, Add	*32.71*	
		For Standard Weight Cast Iron Fittings, Add	*0.21*	
		For Work In Restricted Working Space, Add	*5.99*	
23 21 13 23-0135	EA	3", 150 LB, Black Malleable Iron Cap	44.83	16.09
		For 225 LB Rating, Add	*18.10*	
		For 300 LB Rating, Add	*51.10*	
		For Standard Weight Cast Iron Fittings, Add	*0.33*	
		For Work In Restricted Working Space, Add	*7.24*	
23 21 13 23-0136	EA	4", 150 LB, Black Malleable Iron Cap	61.48	19.52
		For 225 LB Rating, Add	*28.22*	
		For 300 LB Rating, Add	*79.15*	
		For Standard Weight Cast Iron Fittings, Add	*0.52*	
		For Work In Restricted Working Space, Add	*8.77*	

23 21 13 23-0137 Black Malleable Iron Unions *(23 21 13 23-0014)*

23 21 13 23-0138	EA	3/8", 150 LB, Black Malleable Iron Union	22.21	8.31
		For 225 LB Rating, Add	*4.88*	
		For 300 LB Rating, Add	*14.39*	
		For Standard Weight Cast Iron Fittings, Add	*0.09*	
		For Work In Restricted Working Space, Add	*4.99*	
23 21 13 23-0139	EA	1/2", 150 LB, Black Malleable Iron Union	30.89	16.61
		For 225 LB Rating, Add	*5.20*	
		For 300 LB Rating, Add	*15.75*	
		For Standard Weight Cast Iron Fittings, Add	*0.10*	
		For Work In Restricted Working Space, Add	*7.49*	
23 21 13 23-0140	EA	3/4", 150 LB, Black Malleable Iron Union	34.89	19.23
		For 225 LB Rating, Add	*5.34*	
		For 300 LB Rating, Add	*16.37*	
		For Standard Weight Cast Iron Fittings, Add	*0.10*	
		For Work In Restricted Working Space, Add	*8.64*	
23 21 13 23-0141	EA	1", 150 LB, Black Malleable Iron Union	42.93	22.67
		For 225 LB Rating, Add	*7.80*	
		For 300 LB Rating, Add	*23.43*	
		For Standard Weight Cast Iron Fittings, Add	*0.14*	
		For Work In Restricted Working Space, Add	*10.21*	
23 21 13 23-0142	EA	1-1/4", 150 LB, Black Malleable Iron Union	52.75	27.02
		For 225 LB Rating, Add	*10.76*	
		For 300 LB Rating, Add	*31.95*	
		For Standard Weight Cast Iron Fittings, Add	*0.20*	
		For Work In Restricted Working Space, Add	*12.14*	
23 21 13 23-0143	EA	1-1/2", 150 LB, Black Malleable Iron Union	63.29	32.18
		For 225 LB Rating, Add	*13.13*	
		For 300 LB Rating, Add	*38.92*	
		For Standard Weight Cast Iron Fittings, Add	*0.24*	
		For Work In Restricted Working Space, Add	*14.48*	
23 21 13 23-0144	EA	2", 150 LB, Black Malleable Iron Union	78.84	39.96
		For 225 LB Rating, Add	*16.60*	
		For 300 LB Rating, Add	*49.12*	
		For Standard Weight Cast Iron Fittings, Add	*0.30*	
		For Work In Restricted Working Space, Add	*17.96*	
23 21 13 23-0145	EA	2-1/2", 150 LB, Black Malleable Iron Union	113.63	43.40
		For 225 LB Rating, Add	*42.49*	
		For 300 LB Rating, Add	*120.45*	
		For Standard Weight Cast Iron Fittings, Add	*0.78*	
		For Work In Restricted Working Space, Add	*19.52*	
23 21 13 23-0146	EA	3", 150 LB, Black Malleable Iron Union	147.61	52.54
		For 225 LB Rating, Add	*60.23*	
		For 300 LB Rating, Add	*169.92*	
		For Standard Weight Cast Iron Fittings, Add	*1.10*	
		For Work In Restricted Working Space, Add	*23.63*	

23 21 13 23-0147 Black Steel Nipples *(23 21 13 23-0014)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0148	EA	3/8" x Close, Schedule 40 Black Steel Nipple	11.30	7.11
		For Schedule 80 Nipples, Add	*0.31*	
		For Work In Restricted Working Space, Add	*3.21*	
23 21 13 23-0149	EA	1/2" x Close, Schedule 40 Black Steel Nipple	11.21	7.11
		For Schedule 80 Nipples, Add	*0.26*	
		For Work In Restricted Working Space, Add	*3.21*	
23 21 13 23-0150	EA	3/4" x Close, Schedule 40 Black Steel Nipple	11.28	7.11
		For Schedule 80 Nipples, Add	*0.30*	
		For Work In Restricted Working Space, Add	*3.21*	
23 21 13 23-0151	EA	1" x Close, Schedule 40 Black Steel Nipple	12.37	7.71
		For Schedule 80 Nipples, Add	*0.43*	
		For Work In Restricted Working Space, Add	*3.45*	
23 21 13 23-0152	EA	1-1/4" x Close, Schedule 40 Black Steel Nipple	13.56	8.31
		For Schedule 80 Nipples, Add	*0.55*	
		For Work In Restricted Working Space, Add	*3.74*	
23 21 13 23-0153	EA	1-1/2" x Close, Schedule 40 Black Steel Nipple	13.83	8.31
		For Schedule 80 Nipples, Add	*0.68*	
		For Work In Restricted Working Space, Add	*3.74*	
23 21 13 23-0154	EA	2" x Close, Schedule 40 Black Steel Nipple	17.95	10.70
		For Schedule 80 Nipples, Add	*0.93*	
		For Work In Restricted Working Space, Add	*4.83*	
23 21 13 23-0155	EA	2-1/2" x Close, Schedule 40 Black Steel Nipple	25.73	13.32
		For Schedule 80 Nipples, Add	*2.89*	
		For Work In Restricted Working Space, Add	*5.99*	
23 21 13 23-0156	EA	3" x Close, Schedule 40 Black Steel Nipple	31.01	16.09
		For Schedule 80 Nipples, Add	*3.44*	
		For Work In Restricted Working Space, Add	*7.24*	
23 21 13 23-0157	EA	4" x Close, Schedule 40 Black Steel Nipple	39.58	19.52
		For Schedule 80 Nipples, Add	*5.18*	
		For Work In Restricted Working Space, Add	*8.77*	
23 21 13 23-0158	EA	3/8" x 1-1/2" Long, Schedule 40 Black Steel Nipple	11.38	7.11
		For Schedule 80 Nipples, Add	*0.35*	
		For Work In Restricted Working Space, Add	*3.21*	
23 21 13 23-0159	EA	1/2" x 1-1/2" Long, Schedule 40 Black Steel Nipple	11.21	7.11
		For Schedule 80 Nipples, Add	*0.26*	
		For Work In Restricted Working Space, Add	*3.21*	
23 21 13 23-0160	EA	3/4" x 1-1/2" Long, Schedule 40 Black Steel Nipple	11.33	7.11
		For Schedule 80 Nipples, Add	*0.32*	
		For Work In Restricted Working Space, Add	*3.21*	
23 21 13 23-0161	EA	3/8" x 2" Long, Schedule 40 Black Steel Nipple	11.38	7.11
		For Schedule 80 Nipples, Add	*0.35*	
		For Work In Restricted Working Space, Add	*3.21*	
23 21 13 23-0162	EA	1/2" x 2" Long, Schedule 40 Black Steel Nipple	11.21	7.11
		For Schedule 80 Nipples, Add	*0.26*	
		For Work In Restricted Working Space, Add	*3.21*	
23 21 13 23-0163	EA	3/4" x 2" Long, Schedule 40 Black Steel Nipple	11.33	7.11
		For Schedule 80 Nipples, Add	*0.32*	
		For Work In Restricted Working Space, Add	*3.21*	
23 21 13 23-0164	EA	1" x 2" Long, Schedule 40 Black Steel Nipple	12.45	7.71
		For Schedule 80 Nipples, Add	*0.47*	
		For Work In Restricted Working Space, Add	*3.45*	
23 21 13 23-0165	EA	1-1/4" x 2" Long, Schedule 40 Black Steel Nipple	13.71	8.31
		For Schedule 80 Nipples, Add	*0.62*	
		For Work In Restricted Working Space, Add	*3.74*	
23 21 13 23-0166	EA	1-1/2" x 2" Long, Schedule 40 Black Steel Nipple	13.94	8.31
		For Schedule 80 Nipples, Add	*0.74*	
		For Work In Restricted Working Space, Add	*3.74*	
23 21 13 23-0167	EA	3/8" x 2-1/2" Long, Schedule 40 Black Steel Nipple	11.58	7.11
		For Schedule 80 Nipples, Add	*0.45*	
		For Work In Restricted Working Space, Add	*3.21*	
23 21 13 23-0168	EA	1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple	11.30	7.11
		For Schedule 80 Nipples, Add	*0.31*	
		For Work In Restricted Working Space, Add	*3.21*	
23 21 13 23-0169	EA	3/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple	11.41	7.11
		For Schedule 80 Nipples, Add	*0.36*	
		For Work In Restricted Working Space, Add	*3.21*	
23 21 13 23-0170	EA	1" x 2-1/2" Long, Schedule 40 Black Steel Nipple	12.51	7.71
		For Schedule 80 Nipples, Add	*0.50*	
		For Work In Restricted Working Space, Add	*3.45*	
23 21 13 23-0171	EA	1-1/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple	13.78	8.31
		For Schedule 80 Nipples, Add	*0.66*	
		For Work In Restricted Working Space, Add	*3.74*	
23 21 13 23-0172	EA	1-1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple	14.11	8.31
		For Schedule 80 Nipples, Add	*0.82*	
		For Work In Restricted Working Space, Add	*3.74*	
23 21 13 23-0173	EA	2" x 2-1/2" Long, Schedule 40 Black Steel Nipple	18.22	10.70
		For Schedule 80 Nipples, Add	*1.06*	
		For Work In Restricted Working Space, Add	*4.83*	
23 21 13 23-0174	EA	3/8" x 3" Long, Schedule 40 Black Steel Nipple	11.58	7.11
		For Schedule 80 Nipples, Add	*0.45*	
		For Work In Restricted Working Space, Add	*3.21*	
23 21 13 23-0175	EA	1/2" x 3" Long, Schedule 40 Black Steel Nipple	11.30	7.11
		For Schedule 80 Nipples, Add	*0.31*	
		For Work In Restricted Working Space, Add	*3.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0176	EA	3/4" x 3" Long, Schedule 40 Black Steel Nipple	11.41	7.11
		For Schedule 80 Nipples, Add	*0.36*	
		For Work In Restricted Working Space, Add	*3.21*	
23 21 13 23-0177	EA	1" x 3" Long, Schedule 40 Black Steel Nipple	12.51	7.71
		For Schedule 80 Nipples, Add	*0.50*	
		For Work In Restricted Working Space, Add	*3.45*	
23 21 13 23-0178	EA	1-1/4" x 3" Long, Schedule 40 Black Steel Nipple	13.78	8.31
		For Schedule 80 Nipples, Add	*0.66*	
		For Work In Restricted Working Space, Add	*3.74*	
23 21 13 23-0179	EA	1-1/2" x 3" Long, Schedule 40 Black Steel Nipple	14.11	8.31
		For Schedule 80 Nipples, Add	*0.82*	
		For Work In Restricted Working Space, Add	*3.74*	
23 21 13 23-0180	EA	2" x 3" Long, Schedule 40 Black Steel Nipple	18.22	10.70
		For Schedule 80 Nipples, Add	*1.06*	
		For Work In Restricted Working Space, Add	*4.83*	
23 21 13 23-0181	EA	2-1/2" x 3" Long, Schedule 40 Black Steel Nipple	25.89	13.32
		For Schedule 80 Nipples, Add	*2.97*	
		For Work In Restricted Working Space, Add	*5.99*	
23 21 13 23-0182	EA	3" x 3" Long, Schedule 40 Black Steel Nipple	31.61	16.09
		For Schedule 80 Nipples, Add	*3.74*	
		For Work In Restricted Working Space, Add	*7.24*	
23 21 13 23-0183	EA	3/8" x 3-1/2" Long, Schedule 40 Black Steel Nipple	11.74	7.11
		For Schedule 80 Nipples, Add	*0.53*	
		For Work In Restricted Working Space, Add	*3.21*	
23 21 13 23-0184	EA	1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	11.42	7.11
		For Schedule 80 Nipples, Add	*0.37*	
		For Work In Restricted Working Space, Add	*3.21*	
23 21 13 23-0185	EA	3/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple	11.58	7.11
		For Schedule 80 Nipples, Add	*0.45*	
		For Work In Restricted Working Space, Add	*3.21*	
23 21 13 23-0186	EA	1" x 3-1/2" Long, Schedule 40 Black Steel Nipple	12.75	7.71
		For Schedule 80 Nipples, Add	*0.62*	
		For Work In Restricted Working Space, Add	*3.45*	
23 21 13 23-0187	EA	1-1/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple	14.02	8.31
		For Schedule 80 Nipples, Add	*0.78*	
		For Work In Restricted Working Space, Add	*3.74*	
23 21 13 23-0188	EA	1-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	14.30	8.31
		For Schedule 80 Nipples, Add	*0.92*	
		For Work In Restricted Working Space, Add	*3.74*	
23 21 13 23-0189	EA	2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	18.67	10.70
		For Schedule 80 Nipples, Add	*1.29*	
		For Work In Restricted Working Space, Add	*4.83*	
23 21 13 23-0190	EA	2-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	26.93	13.32
		For Schedule 80 Nipples, Add	*3.49*	
		For Work In Restricted Working Space, Add	*5.99*	
23 21 13 23-0191	EA	3" x 3-1/2" Long, Schedule 40 Black Steel Nipple	32.99	16.09
		For Schedule 80 Nipples, Add	*4.43*	
		For Work In Restricted Working Space, Add	*7.24*	
23 21 13 23-0192	EA	3/8" x 4" Long, Schedule 40 Black Steel Nipple	11.74	7.11
		For Schedule 80 Nipples, Add	*0.53*	
		For Work In Restricted Working Space, Add	*3.21*	
23 21 13 23-0193	EA	1/2" x 4" Long, Schedule 40 Black Steel Nipple	11.42	7.11
		For Schedule 80 Nipples, Add	*0.37*	
		For Work In Restricted Working Space, Add	*3.21*	
23 21 13 23-0194	EA	3/4" x 4" Long, Schedule 40 Black Steel Nipple	11.58	7.11
		For Schedule 80 Nipples, Add	*0.45*	
		For Work In Restricted Working Space, Add	*3.21*	
23 21 13 23-0195	EA	1" x 4" Long, Schedule 40 Black Steel Nipple	12.75	7.71
		For Schedule 80 Nipples, Add	*0.62*	
		For Work In Restricted Working Space, Add	*3.45*	
23 21 13 23-0196	EA	1-1/4" x 4" Long, Schedule 40 Black Steel Nipple	14.02	8.31
		For Schedule 80 Nipples, Add	*0.78*	
		For Work In Restricted Working Space, Add	*3.74*	
23 21 13 23-0197	EA	1-1/2" x 4" Long, Schedule 40 Black Steel Nipple	14.30	8.31
		For Schedule 80 Nipples, Add	*0.92*	
		For Work In Restricted Working Space, Add	*3.74*	
23 21 13 23-0198	EA	2" x 4" Long, Schedule 40 Black Steel Nipple	18.67	10.70
		For Schedule 80 Nipples, Add	*1.29*	
		For Work In Restricted Working Space, Add	*4.83*	
23 21 13 23-0199	EA	2-1/2" x 4" Long, Schedule 40 Black Steel Nipple	26.93	13.32
		For Schedule 80 Nipples, Add	*3.49*	
		For Work In Restricted Working Space, Add	*5.99*	
23 21 13 23-0200	EA	3" x 4" Long, Schedule 40 Black Steel Nipple	32.99	16.09
		For Schedule 80 Nipples, Add	*4.43*	
		For Work In Restricted Working Space, Add	*7.24*	
23 21 13 23-0201	EA	4" x 4" Long, Schedule 40 Black Steel Nipple	41.21	19.52
		For Schedule 80 Nipples, Add	*5.99*	
		For Work In Restricted Working Space, Add	*8.77*	
23 21 13 23-0202	EA	3/8" x 4-1/2" Long, Schedule 40 Black Steel Nipple	12.21	7.11
		For Schedule 80 Nipples, Add	*0.76*	
		For Work In Restricted Working Space, Add	*3.21*	
23 21 13 23-0203	EA	1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	11.55	7.11
		For Schedule 80 Nipples, Add	*0.43*	
		For Work In Restricted Working Space, Add	*3.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0204	EA	3/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	11.81	7.11
		For Schedule 80 Nipples, Add	*0.56*	
		For Work In Restricted Working Space, Add	*3.21*	
23 21 13 23-0205	EA	1" x 4-1/2" Long, Schedule 40 Black Steel Nipple	12.98	7.71
		For Schedule 80 Nipples, Add	*0.74*	
		For Work In Restricted Working Space, Add	*3.45*	
23 21 13 23-0206	EA	1-1/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	14.33	8.31
		For Schedule 80 Nipples, Add	*0.93*	
		For Work In Restricted Working Space, Add	*3.74*	
23 21 13 23-0207	EA	1-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	14.71	8.31
		For Schedule 80 Nipples, Add	*1.12*	
		For Work In Restricted Working Space, Add	*3.74*	
23 21 13 23-0208	EA	2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	19.06	10.70
		For Schedule 80 Nipples, Add	*1.48*	
		For Work In Restricted Working Space, Add	*4.83*	
23 21 13 23-0209	EA	2-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	27.62	13.32
		For Schedule 80 Nipples, Add	*3.84*	
		For Work In Restricted Working Space, Add	*5.99*	
23 21 13 23-0210	EA	3" x 4-1/2" Long, Schedule 40 Black Steel Nipple	33.90	16.09
		For Schedule 80 Nipples, Add	*4.88*	
		For Work In Restricted Working Space, Add	*7.24*	
23 21 13 23-0211	EA	4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	42.91	19.52
		For Schedule 80 Nipples, Add	*6.84*	
		For Work In Restricted Working Space, Add	*8.77*	
23 21 13 23-0212	EA	3/8" x 5" Long, Schedule 40 Black Steel Nipple	12.21	7.11
		For Schedule 80 Nipples, Add	*0.76*	
		For Work In Restricted Working Space, Add	*3.21*	
23 21 13 23-0213	EA	1/2" x 5" Long, Schedule 40 Black Steel Nipple	11.55	7.11
		For Schedule 80 Nipples, Add	*0.43*	
		For Work In Restricted Working Space, Add	*3.21*	
23 21 13 23-0214	EA	3/4" x 5" Long, Schedule 40 Black Steel Nipple	11.81	7.11
		For Schedule 80 Nipples, Add	*0.56*	
		For Work In Restricted Working Space, Add	*3.21*	
23 21 13 23-0215	EA	1" x 5" Long, Schedule 40 Black Steel Nipple	12.98	7.71
		For Schedule 80 Nipples, Add	*0.74*	
		For Work In Restricted Working Space, Add	*3.45*	
23 21 13 23-0216	EA	1-1/4" x 5" Long, Schedule 40 Black Steel Nipple	14.33	8.31
		For Schedule 80 Nipples, Add	*0.93*	
		For Work In Restricted Working Space, Add	*3.74*	
23 21 13 23-0217	EA	1-1/2" x 5" Long, Schedule 40 Black Steel Nipple	14.71	8.31
		For Schedule 80 Nipples, Add	*1.12*	
		For Work In Restricted Working Space, Add	*3.74*	
23 21 13 23-0218	EA	2" x 5" Long, Schedule 40 Black Steel Nipple	19.06	10.70
		For Schedule 80 Nipples, Add	*1.48*	
		For Work In Restricted Working Space, Add	*4.83*	
23 21 13 23-0219	EA	2-1/2" x 5" Long, Schedule 40 Black Steel Nipple	27.62	13.32
		For Schedule 80 Nipples, Add	*3.84*	
		For Work In Restricted Working Space, Add	*5.99*	
23 21 13 23-0220	EA	3" x 5" Long, Schedule 40 Black Steel Nipple	33.90	16.09
		For Schedule 80 Nipples, Add	*4.88*	
		For Work In Restricted Working Space, Add	*7.24*	
23 21 13 23-0221	EA	4" x 5" Long, Schedule 40 Black Steel Nipple	42.91	19.52
		For Schedule 80 Nipples, Add	*6.84*	
		For Work In Restricted Working Space, Add	*8.77*	
23 21 13 23-0222	EA	3/8" x 6" Long, Schedule 40 Black Steel Nipple	12.38	7.11
		For Schedule 80 Nipples, Add	*0.85*	
		For Work In Restricted Working Space, Add	*3.21*	
23 21 13 23-0223	EA	1/2" x 6" Long, Schedule 40 Black Steel Nipple	11.65	7.11
		For Schedule 80 Nipples, Add	*0.48*	
		For Work In Restricted Working Space, Add	*3.21*	
23 21 13 23-0224	EA	3/4" x 6" Long, Schedule 40 Black Steel Nipple	11.96	7.11
		For Schedule 80 Nipples, Add	*0.64*	
		For Work In Restricted Working Space, Add	*3.21*	
23 21 13 23-0225	EA	1" x 6" Long, Schedule 40 Black Steel Nipple	13.24	7.71
		For Schedule 80 Nipples, Add	*0.87*	
		For Work In Restricted Working Space, Add	*3.45*	
23 21 13 23-0226	EA	1-1/4" x 6" Long, Schedule 40 Black Steel Nipple	14.67	8.31
		For Schedule 80 Nipples, Add	*1.10*	
		For Work In Restricted Working Space, Add	*3.74*	
23 21 13 23-0227	EA	1-1/2" x 6" Long, Schedule 40 Black Steel Nipple	15.04	8.31
		For Schedule 80 Nipples, Add	*1.29*	
		For Work In Restricted Working Space, Add	*3.74*	
23 21 13 23-0228	EA	2" x 6" Long, Schedule 40 Black Steel Nipple	19.57	10.70
		For Schedule 80 Nipples, Add	*1.74*	
		For Work In Restricted Working Space, Add	*4.83*	
23 21 13 23-0229	EA	2-1/2" x 6" Long, Schedule 40 Black Steel Nipple	27.95	13.32
		For Schedule 80 Nipples, Add	*4.00*	
		For Work In Restricted Working Space, Add	*5.99*	
23 21 13 23-0230	EA	3" x 6" Long, Schedule 40 Black Steel Nipple	34.75	16.09
		For Schedule 80 Nipples, Add	*5.31*	
		For Work In Restricted Working Space, Add	*7.24*	
23 21 13 23-0231	EA	4" x 6" Long, Schedule 40 Black Steel Nipple	43.86	19.52
		For Schedule 80 Nipples, Add	*7.32*	
		For Work In Restricted Working Space, Add	*8.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0232	EA	3/8" x 8" Long, Schedule 40 Black Steel Nipple	13.65	7.11
		For Schedule 80 Nipples, Add	*1.48*	
		For Work In Restricted Working Space, Add	*3.21*	
23 21 13 23-0233	EA	1/2" x 8" Long, Schedule 40 Black Steel Nipple	12.42	7.11
		For Schedule 80 Nipples, Add	*0.87*	
		For Work In Restricted Working Space, Add	*3.21*	
23 21 13 23-0234	EA	3/4" x 8" Long, Schedule 40 Black Steel Nipple	12.81	7.11
		For Schedule 80 Nipples, Add	*1.06*	
		For Work In Restricted Working Space, Add	*3.21*	
23 21 13 23-0235	EA	1" x 8" Long, Schedule 40 Black Steel Nipple	14.35	7.71
		For Schedule 80 Nipples, Add	*1.42*	
		For Work In Restricted Working Space, Add	*3.45*	
23 21 13 23-0236	EA	1-1/4" x 8" Long, Schedule 40 Black Steel Nipple	16.03	8.31
		For Schedule 80 Nipples, Add	*1.78*	
		For Work In Restricted Working Space, Add	*3.74*	
23 21 13 23-0237	EA	1-1/2" x 8" Long, Schedule 40 Black Steel Nipple	16.55	8.31
		For Schedule 80 Nipples, Add	*2.04*	
		For Work In Restricted Working Space, Add	*3.74*	
23 21 13 23-0238	EA	2" x 8" Long, Schedule 40 Black Steel Nipple	21.91	10.70
		For Schedule 80 Nipples, Add	*2.91*	
		For Work In Restricted Working Space, Add	*4.83*	
23 21 13 23-0239	EA	2-1/2" x 8" Long, Schedule 40 Black Steel Nipple	30.12	13.32
		For Schedule 80 Nipples, Add	*5.09*	
		For Work In Restricted Working Space, Add	*5.99*	
23 21 13 23-0240	EA	3" x 8" Long, Schedule 40 Black Steel Nipple	38.45	16.09
		For Schedule 80 Nipples, Add	*7.16*	
		For Work In Restricted Working Space, Add	*7.24*	
23 21 13 23-0241	EA	4" x 8" Long, Schedule 40 Black Steel Nipple	46.11	19.52
		For Schedule 80 Nipples, Add	*8.44*	
		For Work In Restricted Working Space, Add	*8.77*	
23 21 13 23-0242	EA	3/8" x 10" Long, Schedule 40 Black Steel Nipple	14.02	7.11
		For Schedule 80 Nipples, Add	*1.67*	
		For Work In Restricted Working Space, Add	*3.21*	
23 21 13 23-0243	EA	1/2" x 10" Long, Schedule 40 Black Steel Nipple	12.77	7.11
		For Schedule 80 Nipples, Add	*1.04*	
		For Work In Restricted Working Space, Add	*3.21*	
23 21 13 23-0244	EA	3/4" x 10" Long, Schedule 40 Black Steel Nipple	13.16	7.11
		For Schedule 80 Nipples, Add	*1.24*	
		For Work In Restricted Working Space, Add	*3.21*	
23 21 13 23-0245	EA	1" x 10" Long, Schedule 40 Black Steel Nipple	14.82	7.71
		For Schedule 80 Nipples, Add	*1.66*	
		For Work In Restricted Working Space, Add	*3.45*	
23 21 13 23-0246	EA	1-1/4" x 10" Long, Schedule 40 Black Steel Nipple	16.74	8.31
		For Schedule 80 Nipples, Add	*2.14*	
		For Work In Restricted Working Space, Add	*3.74*	
23 21 13 23-0247	EA	1-1/2" x 10" Long, Schedule 40 Black Steel Nipple	17.25	8.31
		For Schedule 80 Nipples, Add	*2.39*	
		For Work In Restricted Working Space, Add	*3.74*	
23 21 13 23-0248	EA	2" x 10" Long, Schedule 40 Black Steel Nipple	22.93	10.70
		For Schedule 80 Nipples, Add	*3.42*	
		For Work In Restricted Working Space, Add	*4.83*	
23 21 13 23-0249	EA	2-1/2" x 10" Long, Schedule 40 Black Steel Nipple	31.38	13.32
		For Schedule 80 Nipples, Add	*5.72*	
		For Work In Restricted Working Space, Add	*5.99*	
23 21 13 23-0250	EA	3" x 10" Long, Schedule 40 Black Steel Nipple	40.21	16.09
		For Schedule 80 Nipples, Add	*8.04*	
		For Work In Restricted Working Space, Add	*7.24*	
23 21 13 23-0251	EA	4" x 10" Long, Schedule 40 Black Steel Nipple	48.46	19.52
		For Schedule 80 Nipples, Add	*9.62*	
		For Work In Restricted Working Space, Add	*8.77*	
23 21 13 23-0252	EA	3/8" x 12" Long, Schedule 40 Black Steel Nipple	14.47	7.11
		For Schedule 80 Nipples, Add	*1.89*	
		For Work In Restricted Working Space, Add	*3.21*	
23 21 13 23-0253	EA	1/2" x 12" Long, Schedule 40 Black Steel Nipple	13.16	7.11
		For Schedule 80 Nipples, Add	*1.24*	
		For Work In Restricted Working Space, Add	*3.21*	
23 21 13 23-0254	EA	3/4" x 12" Long, Schedule 40 Black Steel Nipple	13.43	7.11
		For Schedule 80 Nipples, Add	*1.37*	
		For Work In Restricted Working Space, Add	*3.21*	
23 21 13 23-0255	EA	1" x 12" Long, Schedule 40 Black Steel Nipple	15.31	7.71
		For Schedule 80 Nipples, Add	*1.90*	
		For Work In Restricted Working Space, Add	*3.45*	
23 21 13 23-0256	EA	1-1/4" x 12" Long, Schedule 40 Black Steel Nipple	17.31	8.31
		For Schedule 80 Nipples, Add	*2.42*	
		For Work In Restricted Working Space, Add	*3.74*	
23 21 13 23-0257	EA	1-1/2" x 12" Long, Schedule 40 Black Steel Nipple	17.97	8.31
		For Schedule 80 Nipples, Add	*2.75*	
		For Work In Restricted Working Space, Add	*3.74*	
23 21 13 23-0258	EA	2" x 12" Long, Schedule 40 Black Steel Nipple	23.96	10.70
		For Schedule 80 Nipples, Add	*3.93*	
		For Work In Restricted Working Space, Add	*4.83*	
23 21 13 23-0259	EA	2-1/2" x 12" Long, Schedule 40 Black Steel Nipple	32.67	13.32
		For Schedule 80 Nipples, Add	*6.36*	
		For Work In Restricted Working Space, Add	*5.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0260	EA	3" x 12" Long, Schedule 40 Black Steel Nipple	41.98	16.09
		For Schedule 80 Nipples, Add	*8.92*	
		For Work In Restricted Working Space, Add	*7.24*	
23 21 13 23-0261	EA	4" x 12" Long, Schedule 40 Black Steel Nipple	51.77	19.52
		For Schedule 80 Nipples, Add	*11.27*	
		For Work In Restricted Working Space, Add	*8.77*	

23 21 13 23-0262 Black Cast Iron Square Head Plugs *(23 21 13 23-0014)*

23 21 13 23-0263	EA	1/2", 150 LB, Black Malleable Iron Square Head Plug	9.85	5.77
		For Work In Restricted Working Space, Add	*2.60*	
23 21 13 23-0264	EA	3/4", 150 LB, Black Malleable Iron Square Head Plug	10.98	5.32
		For Work In Restricted Working Space, Add	*2.39*	
23 21 13 23-0265	EA	1", 150 LB, Black Malleable Iron Square Head Plug	15.37	8.01
		For Work In Restricted Working Space, Add	*3.59*	
23 21 13 23-0266	EA	1-1/4", 150 LB, Black Malleable Iron Square Head Plug	15.82	8.08
		For Work In Restricted Working Space, Add	*3.62*	
23 21 13 23-0267	EA	1-1/2", 150 LB, Black Malleable Iron Square Head Plug	17.33	8.08
		For Work In Restricted Working Space, Add	*3.62*	
23 21 13 23-0268	EA	2", 150 LB, Black Malleable Iron Square Head Plug	22.93	10.70
		For Work In Restricted Working Space, Add	*4.83*	
23 21 13 23-0269	EA	2-1/2", 150 LB, Black Malleable Iron Square Head Plug	29.85	13.32
		For Work In Restricted Working Space, Add	*5.99*	
23 21 13 23-0270	EA	3", 150 LB, Black Malleable Iron Square Head Plug	40.03	16.09
		For Work In Restricted Working Space, Add	*7.24*	
23 21 13 23-0271	EA	4", 150 LB, Black Malleable Iron Square Head Plug	47.88	19.52
		For Work In Restricted Working Space, Add	*8.77*	
23 21 13 23-0272	EA	5", 150 LB, Black Malleable Iron Square Head Plug	69.16	24.40
		For Work In Restricted Working Space, Add	*10.96*	
23 21 13 23-0273	EA	6", 150 LB, Black Malleable Iron Square Head Plug	86.22	29.01
		For Work In Restricted Working Space, Add	*13.06*	

23 21 13 23-0274 125 LB Black Cast Iron Screwed Flanges *(23 21 13 23-0014)*

23 21 13 23-0275	EA	1", 125 LB, Black Cast Iron Flange	68.98	33.82
		For Work In Restricted Working Space, Add	*15.22*	
23 21 13 23-0276	EA	1-1/4", 125 LB, Black Cast Iron Flange	73.30	35.02
		For Work In Restricted Working Space, Add	*15.75*	
23 21 13 23-0277	EA	1-1/2", 125 LB, Black Cast Iron Flange	77.60	38.10
		For Work In Restricted Working Space, Add	*17.14*	
23 21 13 23-0278	EA	2", 125 LB, Black Cast Iron Flange	81.36	39.74
		For Work In Restricted Working Space, Add	*17.89*	
23 21 13 23-0279	EA	2-1/2", 125 LB, Black Cast Iron Flange	93.03	46.02
		For Work In Restricted Working Space, Add	*20.69*	
23 21 13 23-0280	EA	3", 125 LB, Black Cast Iron Flange	120.20	58.37
		For Work In Restricted Working Space, Add	*26.26*	
23 21 13 23-0281	EA	4", 125 LB, Black Cast Iron Flange	161.00	77.97
		For Work In Restricted Working Space, Add	*35.08*	
23 21 13 23-0282	EA	5", 125 LB, Black Cast Iron Flange	198.08	92.88
		For Work In Restricted Working Space, Add	*41.76*	
23 21 13 23-0283	EA	6", 125 LB, Black Cast Iron Flange	230.04	106.62
		For Work In Restricted Working Space, Add	*47.96*	

23 21 13 23-0284 150 LB, Black Malleable Iron Flanges *(23 21 13 23-0014)*

23 21 13 23-0285	EA	3/4", 150 LB, Black Malleable Iron Flange	53.88	29.94
		For Work In Restricted Working Space, Add	*13.47*	
23 21 13 23-0286	EA	1", 150 LB, Black Malleable Iron Flange	60.38	33.82
		For Work In Restricted Working Space, Add	*15.22*	
23 21 13 23-0287	EA	1-1/4", 150 LB, Black Malleable Iron Flange	62.83	35.02
		For Work In Restricted Working Space, Add	*15.75*	
23 21 13 23-0288	EA	1-1/2", 150 LB, Black Malleable Iron Flange	68.39	38.10
		For Work In Restricted Working Space, Add	*17.14*	
23 21 13 23-0289	EA	2", 150 LB, Black Malleable Iron Flange	74.29	39.74
		For Work In Restricted Working Space, Add	*17.89*	
23 21 13 23-0290	EA	2-1/2", 150 LB, Black Malleable Iron Flange	93.28	46.02
		For Work In Restricted Working Space, Add	*20.69*	
23 21 13 23-0291	EA	3", 150 LB, Black Malleable Iron Flange	118.23	58.37
		For Work In Restricted Working Space, Add	*26.25*	
23 21 13 23-0292	EA	4", 150 LB, Black Malleable Iron Flange	169.11	77.97
		For Work In Restricted Working Space, Add	*35.07*	

23 21 13 23-0293 Cut And Thread Existing In-Place Black Steel Pipe *(23 21 13 23-0014)*

Note: For use when connecting pipe to an existing in-place system.

23 21 13 23-0294	EA	1/2", Cut And Thread Existing In Place Black Steel Pipe	24.38	
		For Work In Restricted Working Space, Add	*7.31*	
23 21 13 23-0295	EA	3/4", Cut And Thread Existing In Place Black Steel Pipe	26.83	
		For Work In Restricted Working Space, Add	*8.05*	
23 21 13 23-0296	EA	1", Cut And Thread Existing In Place Black Steel Pipe	29.27	
		For Work In Restricted Working Space, Add	*8.78*	
23 21 13 23-0297	EA	1-1/4", Cut And Thread Existing In Place Black Steel Pipe	31.70	
		For Work In Restricted Working Space, Add	*9.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0298	EA	1-1/2", Cut And Thread Existing In Place Black Steel Pipe	33.33	
		For Work In Restricted Working Space, Add	*10.00*	
23 21 13 23-0299	EA	2", Cut And Thread Existing In Place Black Steel Pipe	34.96	
		For Work In Restricted Working Space, Add	*10.49*	
23 21 13 23-0300	EA	2-1/2", Cut And Thread Existing In Place Black Steel Pipe	36.59	
		For Work In Restricted Working Space, Add	*10.98*	
23 21 13 23-0301	EA	3", Cut And Thread Existing In Place Black Steel Pipe	38.21	
		For Work In Restricted Working Space, Add	*11.46*	
23 21 13 23-0302	EA	4", Cut And Thread Existing In Place Black Steel Pipe	39.83	
		For Work In Restricted Working Space, Add	*11.95*	
23 21 13 23-0303	EA	6", Cut And Thread Existing In Place Black Steel Pipe	43.08	
		For Work In Restricted Working Space, Add	*12.92*	
23 21 13 23-0304	EA	8", Cut And Thread Existing In Place Black Steel Pipe	46.33	
		For Work In Restricted Working Space, Add	*13.90*	
23 21 13 23-0305	EA	10", Cut And Thread Existing In Place Black Steel Pipe	50.40	
		For Work In Restricted Working Space, Add	*15.12*	
23 21 13 23-0306	EA	12", Cut And Thread Existing In Place Black Steel Pipe	53.65	
		For Work In Restricted Working Space, Add	*16.10*	

23 21 13 23-0307 Welded Black Steel Pipe *(23 21 13 23)*

23 21 13 23-0308 Welded Plain End Black Steel Pipe Assemblies *(23 21 13 23-0307)*

Note: ASTM A-53. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.

23 21 13 23-0309	LF	3/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	16.50	5.69
		For Work In Restricted Working Space, Add	*4.16*	
23 21 13 23-0310	LF	1" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	18.54	6.06
		For Work In Restricted Working Space, Add	*4.66*	
23 21 13 23-0311	LF	1-1/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	21.55	6.45
		For Work In Restricted Working Space, Add	*5.34*	
23 21 13 23-0312	LF	1-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	22.61	6.45
		For Work In Restricted Working Space, Add	*5.59*	
23 21 13 23-0313	LF	2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	26.09	6.45
		For Work In Restricted Working Space, Add	*6.47*	
23 21 13 23-0314	LF	2-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	31.96	6.45
		For Work In Restricted Working Space, Add	*7.50*	
23 21 13 23-0315	LF	3" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	35.09	6.30
		For Work In Restricted Working Space, Add	*7.91*	
23 21 13 23-0316	LF	4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	45.23	8.05
		For Work In Restricted Working Space, Add	*9.99*	
23 21 13 23-0317	LF	6" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	58.51	11.99
		For Work In Restricted Working Space, Add	*11.50*	
23 21 13 23-0318	LF	8" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	87.54	14.91
		For Work In Restricted Working Space, Add	*17.06*	
23 21 13 23-0319	LF	10" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	111.73	18.63
		For Work In Restricted Working Space, Add	*20.35*	
23 21 13 23-0320	LF	12" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	136.61	22.51
		For Work In Restricted Working Space, Add	*23.51*	
23 21 13 23-0321	LF	14" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	152.31	29.36
		For Work In Restricted Working Space, Add	*26.24*	
23 21 13 23-0322	LF	16" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	169.21	37.27
		For Work In Restricted Working Space, Add	*29.32*	
23 21 13 23-0323	LF	18" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	217.22	46.13
		For Work In Restricted Working Space, Add	*32.17*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0324	LF	20" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	248.83	57.02
		For Work In Restricted Working Space, Add	*36.82*	
23 21 13 23-0325	LF	24" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	289.15	64.62
		For Work In Restricted Working Space, Add	*40.48*	
23 21 13 23-0326		**Welded Black Steel Pipe And Fittings** *(23 21 13 23-0307)* Note: ASTM A-53. Excludes hangers or fittings.		
23 21 13 23-0327		**Welded Plain End Black Steel Piping** *(23 21 13 23-0326)* Note: ASTM A-53		
23 21 13 23-0328	LF	3/4" Schedule 40, Welded Plain End Black Steel Pipe	7.22	3.03
		For Schedule 80 Pipe, Add	*1.14*	
		For Schedule A-106 Pipe, Add	*0.14*	
		For Work In Restricted Working Space, Add	*1.82*	
23 21 13 23-0329	LF	1" Schedule 40, Welded Plain End Black Steel Pipe	9.12	3.79
		For Schedule 80 Pipe, Add	*1.45*	
		For Schedule A-106 Pipe, Add	*0.18*	
		For Work In Restricted Working Space, Add	*2.27*	
23 21 13 23-0330	LF	1-1/4" Schedule 40, Welded Plain End Black Steel Pipe	11.37	4.55
		For Schedule 80 Pipe, Add	*1.82*	
		For Schedule A-106 Pipe, Add	*0.27*	
		For Work In Restricted Working Space, Add	*2.73*	
23 21 13 23-0331	LF	1-1/2" Schedule 40, Welded Plain End Black Steel Pipe	13.63	5.31
		For Schedule 80 Pipe, Add	*2.20*	
		For Schedule A-106 Pipe, Add	*0.36*	
		For Work In Restricted Working Space, Add	*3.19*	
23 21 13 23-0332	LF	2" Schedule 40, Welded Plain End Black Steel Pipe	16.19	6.30
		For Schedule 80 Pipe, Add	*2.61*	
		For Schedule A-106 Pipe, Add	*0.43*	
		For Work In Restricted Working Space, Add	*3.78*	
23 21 13 23-0333	LF	2-1/2" Schedule 40, Welded Plain End Black Steel Pipe	18.46	7.13
		For Schedule 80 Pipe, Add	*3.97*	
		For Schedule A-106 Pipe, Add	*0.50*	
		For Work In Restricted Working Space, Add	*4.28*	
23 21 13 23-0334	LF	3" Schedule 40, Welded Plain End Black Steel Pipe	21.98	7.66
		For Schedule 80 Pipe, Add	*5.01*	
		For Schedule A-106 Pipe, Add	*0.80*	
		For Work In Restricted Working Space, Add	*4.60*	
23 21 13 23-0335	LF	4" Schedule 40, Welded Plain End Black Steel Pipe	29.64	9.48
		For Schedule 80 Pipe, Add	*7.06*	
		For Schedule A-106 Pipe, Add	*1.28*	
		For Work In Restricted Working Space, Add	*5.69*	
23 21 13 23-0336	LF	6" Schedule 40, Welded Plain End Black Steel Pipe	41.40	15.35
		For Schedule 80 Pipe, Add	*10.38*	
		For Schedule A-106 Pipe, Add	*2.15*	
		For Work In Restricted Working Space, Add	*7.05*	
23 21 13 23-0337	LF	8" Schedule 40, Welded Plain End Black Steel Pipe	59.03	16.02
		For Schedule 80 Pipe, Add	*15.05*	
		For Schedule A-106 Pipe, Add	*3.24*	
		For Schedule 30 Pipe, Deduct	*-8.60*	
		For Work In Restricted Working Space, Add	*9.62*	
23 21 13 23-0338	LF	10" Schedule 40, Welded Plain End Black Steel Pipe	76.80	19.30
		For Schedule 80 Pipe, Add	*20.12*	
		For Schedule A-106 Pipe, Add	*4.58*	
		For Schedule 30 Pipe, Deduct	*-11.50*	
		For Work In Restricted Working Space, Add	*11.58*	
23 21 13 23-0339	LF	12" Schedule 40, Welded Plain End Black Steel Pipe	97.16	23.32
		For Schedule 80 Pipe, Add	*25.84*	
		For Schedule A-106 Pipe, Add	*6.06*	
		For Schedule 30 Pipe, Deduct	*-14.77*	
		For Work In Restricted Working Space, Add	*14.00*	
23 21 13 23-0340	LF	14" Schedule 40, Welded Plain End Black Steel Pipe	95.24	24.59
		For Schedule 80 Pipe, Add	*24.73*	
		For Schedule A-106 Pipe, Add	*5.53*	
		For Schedule 30 Pipe, Deduct	*-14.13*	
		For Schedule 20 Pipe, Deduct	*-25.96*	
		For Work In Restricted Working Space, Add	*14.76*	
23 21 13 23-0341	LF	16" Schedule 40, Welded Plain End Black Steel Pipe	104.39	26.46
		For Schedule 80 Pipe, Add	*27.28*	
		For Schedule A-106 Pipe, Add	*6.18*	
		For Schedule 30 Pipe, Deduct	*-15.59*	
		For Schedule 20 Pipe, Deduct	*-28.60*	
		For Work In Restricted Working Space, Add	*15.88*	
23 21 13 23-0342	LF	18" Schedule 40, Welded Plain End Black Steel Pipe	128.57	28.62
		For Schedule 80 Pipe, Add	*34.98*	
		For Schedule A-106 Pipe, Add	*8.56*	
		For Schedule 30 Pipe, Deduct	*-19.99*	
		For Schedule 20 Pipe, Deduct	*-36.41*	
		For Work In Restricted Working Space, Add	*17.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0343	LF	20" Schedule 40, Welded Plain End Black Steel Pipe	152.32	34.28
		For Schedule 80 Pipe, Add	*41.31*	
		For Schedule A-106 Pipe, Add	*10.05*	
		For Work In Restricted Working Space, Add	*20.57*	
23 21 13 23-0344	LF	24" Schedule 40, Welded Plain End Black Steel Pipe	187.06	39.43
		For Schedule 80 Pipe, Add	*51.67*	
		For Schedule A-106 Pipe, Add	*12.98*	
		For Work In Restricted Working Space, Add	*23.66*	

23 21 13 23-0345 Welded Plain End Black Steel 90 Degree Elbows *(23 21 13 23-0326)*

23 21 13 23-0346	EA	3/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	83.42	47.25
		For Schedule 80 Fittings, Add	*17.59*	
		For Work In Restricted Working Space, Add	*21.24*	
23 21 13 23-0347	EA	1" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	87.14	49.71
		For Schedule 80 Fittings, Add	*18.32*	
		For Work In Restricted Working Space, Add	*22.36*	
23 21 13 23-0348	EA	1-1/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	97.57	56.64
		For Schedule 80 Fittings, Add	*20.35*	
		For Work In Restricted Working Space, Add	*25.49*	
23 21 13 23-0349	EA	1-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	104.28	61.11
		For Schedule 80 Fittings, Add	*21.66*	
		For Work In Restricted Working Space, Add	*27.50*	
23 21 13 23-0350	EA	2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	131.85	79.52
		For Schedule 80 Fittings, Add	*27.04*	
		For Work In Restricted Working Space, Add	*35.77*	
23 21 13 23-0351	EA	2-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	165.86	99.42
		For Schedule 80 Fittings, Add	*34.11*	
		For Work In Restricted Working Space, Add	*44.71*	
23 21 13 23-0352	EA	3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	173.79	102.54
		For Schedule 80 Fittings, Add	*36.00*	
		For Work In Restricted Working Space, Add	*46.10*	
23 21 13 23-0353	EA	4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	298.89	177.16
		For Schedule 80 Fittings, Add	*61.78*	
		For Work In Restricted Working Space, Add	*79.69*	
23 21 13 23-0354	EA	6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	520.18	292.37
		For Schedule 80 Fittings, Add	*110.02*	
		For Work In Restricted Working Space, Add	*131.52*	
23 21 13 23-0355	EA	8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	757.35	403.88
		For Schedule 80 Fittings, Add	*163.62*	
		For Work In Restricted Working Space, Add	*181.67*	
23 21 13 23-0356	EA	10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	970.78	461.64
		For Schedule 80 Fittings, Add	*218.57*	
		For Work In Restricted Working Space, Add	*207.62*	
23 21 13 23-0357	EA	12" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,309.66	603.99
		For Schedule 80 Fittings, Add	*297.82*	
		For Work In Restricted Working Space, Add	*271.65*	
23 21 13 23-0358	EA	14" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,617.37	713.92
		For Schedule 80 Fittings, Add	*372.82*	
		For Work In Restricted Working Space, Add	*321.11*	
23 21 13 23-0359	EA	16" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,998.61	833.69
		For Schedule 80 Fittings, Add	*468.35*	
		For Work In Restricted Working Space, Add	*374.96*	
23 21 13 23-0360	EA	18" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,357.36	929.61
		For Schedule 80 Fittings, Add	*560.87*	
		For Work In Restricted Working Space, Add	*418.10*	
23 21 13 23-0361	EA	20" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,979.12	1,042.29
		For Schedule 80 Fittings, Add	*729.65*	
		For Work In Restricted Working Space, Add	*468.81*	
23 21 13 23-0362	EA	24" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,465.91	1,077.10
		For Schedule 80 Fittings, Add	*870.22*	
		For Work In Restricted Working Space, Add	*484.44*	

23 21 13 23-0363 Welded Plain End Black Steel Reducing 90 Degree Elbows *(23 21 13 23-0326)*

23 21 13 23-0364	EA	4" x 3" 90 Standard Weight, Welded Plain End Black Steel Reducing 90 Degree Elbow	402.96	177.47
		For Schedule 80 Fittings, Add	*92.95*	
		For Work In Restricted Working Space, Add	*79.84*	
23 21 13 23-0365	EA	6" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	701.07	289.03
		For Schedule 80 Fittings, Add	*164.82*	
		For Work In Restricted Working Space, Add	*130.02*	
23 21 13 23-0366	EA	6" x 3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	746.96	289.03
		For Schedule 80 Fittings, Add	*178.58*	
		For Work In Restricted Working Space, Add	*130.02*	
23 21 13 23-0367	EA	8" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,170.20	403.88
		For Schedule 80 Fittings, Add	*287.48*	
		For Work In Restricted Working Space, Add	*181.67*	
23 21 13 23-0368	EA	8" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,279.63	403.88
		For Schedule 80 Fittings, Add	*320.31*	
		For Work In Restricted Working Space, Add	*181.67*	
23 21 13 23-0369	EA	10" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,594.61	461.64
		For Schedule 80 Fittings, Add	*405.72*	
		For Work In Restricted Working Space, Add	*207.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0370	EA	10" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,594.61	461.64
		For Schedule 80 Fittings, Add	*405.72*	
		For Work In Restricted Working Space, Add	*207.62*	
23 21 13 23-0371	EA	12" x 10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,598.45	615.46
		For Schedule 80 Fittings, Add	*682.65*	
		For Work In Restricted Working Space, Add	*276.82*	
23 21 13 23-0372	EA	12" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,598.45	615.46
		For Schedule 80 Fittings, Add	*682.65*	
		For Work In Restricted Working Space, Add	*276.82*	
23 21 13 23-0373	EA	12" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,896.11	615.46
		For Schedule 80 Fittings, Add	*771.95*	
		For Work In Restricted Working Space, Add	*276.82*	

23 21 13 23-0374 Welded Plain End Black Steel 45 Degree Elbows *(23 21 13 23-0326)*

23 21 13 23-0375	EA	3/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	74.48	43.01
		For Schedule 80 Fittings, Add	*15.58*	
		For Work In Restricted Working Space, Add	*19.34*	
23 21 13 23-0376	EA	1" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	76.76	44.52
		For Schedule 80 Fittings, Add	*16.02*	
		For Work In Restricted Working Space, Add	*20.02*	
23 21 13 23-0377	EA	1-1/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	86.62	51.12
		For Schedule 80 Fittings, Add	*17.94*	
		For Work In Restricted Working Space, Add	*22.98*	
23 21 13 23-0378	EA	1-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	92.69	55.13
		For Schedule 80 Fittings, Add	*19.13*	
		For Work In Restricted Working Space, Add	*24.80*	
23 21 13 23-0379	EA	2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	116.96	71.29
		For Schedule 80 Fittings, Add	*23.86*	
		For Work In Restricted Working Space, Add	*32.08*	
23 21 13 23-0380	EA	2-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	145.91	89.57
		For Schedule 80 Fittings, Add	*29.68*	
		For Work In Restricted Working Space, Add	*40.28*	
23 21 13 23-0381	EA	3" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	168.34	102.46
		For Schedule 80 Fittings, Add	*34.37*	
		For Work In Restricted Working Space, Add	*46.10*	
23 21 13 23-0382	EA	4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	289.84	177.09
		For Schedule 80 Fittings, Add	*59.07*	
		For Work In Restricted Working Space, Add	*79.67*	
23 21 13 23-0383	EA	6" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	497.61	292.07
		For Schedule 80 Fittings, Add	*103.30*	
		For Work In Restricted Working Space, Add	*131.37*	
23 21 13 23-0384	EA	8" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	716.39	403.88
		For Schedule 80 Fittings, Add	*151.33*	
		For Work In Restricted Working Space, Add	*181.67*	
23 21 13 23-0385	EA	10" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	895.57	461.64
		For Schedule 80 Fittings, Add	*196.00*	
		For Work In Restricted Working Space, Add	*207.62*	
23 21 13 23-0386	EA	12" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	1,198.91	602.87
		For Schedule 80 Fittings, Add	*264.77*	
		For Work In Restricted Working Space, Add	*271.14*	
23 21 13 23-0387	EA	14" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	1,471.18	714.88
		For Schedule 80 Fittings, Add	*328.82*	
		For Work In Restricted Working Space, Add	*321.53*	
23 21 13 23-0388	EA	16" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	1,795.27	832.79
		For Schedule 80 Fittings, Add	*407.48*	
		For Work In Restricted Working Space, Add	*374.57*	
23 21 13 23-0389	EA	18" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	2,095.70	928.49
		For Schedule 80 Fittings, Add	*482.54*	
		For Work In Restricted Working Space, Add	*417.62*	
23 21 13 23-0390	EA	20" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	2,596.90	1,042.29
		For Schedule 80 Fittings, Add	*614.99*	
		For Work In Restricted Working Space, Add	*468.81*	
23 21 13 23-0391	EA	24" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	2,966.39	1,077.10
		For Schedule 80 Fittings, Add	*720.36*	
		For Work In Restricted Working Space, Add	*484.44*	

23 21 13 23-0392 Welded Plain End Black Steel Tee *(23 21 13 23-0326)*

23 21 13 23-0393	EA	3/4" Standard Weight, Welded Plain End Black Steel Tee	151.60	80.92
		For Schedule 80 Fittings, Add	*32.74*	
		For Work In Restricted Working Space, Add	*36.40*	
23 21 13 23-0394	EA	1" Standard Weight, Welded Plain End Black Steel Tee	151.56	80.92
		For Schedule 80 Fittings, Add	*32.73*	
		For Work In Restricted Working Space, Add	*36.39*	
23 21 13 23-0395	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Tee	171.42	90.03
		For Schedule 80 Fittings, Add	*37.26*	
		For Work In Restricted Working Space, Add	*40.49*	
23 21 13 23-0396	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Tee	188.15	101.17
		For Schedule 80 Fittings, Add	*40.52*	
		For Work In Restricted Working Space, Add	*45.50*	
23 21 13 23-0397	EA	2" Standard Weight, Welded Plain End Black Steel Tee	234.77	135.07
		For Schedule 80 Fittings, Add	*49.17*	
		For Work In Restricted Working Space, Add	*60.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0398	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Tee	267.62	151.76
		For Schedule 80 Fittings, Add	*56.39*	
		For Work In Restricted Working Space, Add	*68.26*	
23 21 13 23-0399	EA	3" Standard Weight, Welded Plain End Black Steel Tee	320.44	184.30
		For Schedule 80 Fittings, Add	*67.14*	
		For Work In Restricted Working Space, Add	*82.82*	
23 21 13 23-0400	EA	4" Standard Weight, Welded Plain End Black Steel Tee	460.89	266.28
		For Schedule 80 Fittings, Add	*96.35*	
		For Work In Restricted Working Space, Add	*119.75*	
23 21 13 23-0401	EA	6" Standard Weight, Welded Plain End Black Steel Tee	771.84	439.88
		For Schedule 80 Fittings, Add	*162.30*	
		For Work In Restricted Working Space, Add	*197.85*	
23 21 13 23-0402	EA	8" Standard Weight, Welded Plain End Black Steel Tee	1,130.75	615.46
		For Schedule 80 Fittings, Add	*242.34*	
		For Work In Restricted Working Space, Add	*276.82*	
23 21 13 23-0403	EA	10" Standard Weight, Welded Plain End Black Steel Tee	1,425.30	718.02
		For Schedule 80 Fittings, Add	*314.55*	
		For Work In Restricted Working Space, Add	*322.96*	
23 21 13 23-0404	EA	12" Standard Weight, Welded Plain End Black Steel Tee	1,914.58	923.20
		For Schedule 80 Fittings, Add	*429.04*	
		For Work In Restricted Working Space, Add	*415.24*	
23 21 13 23-0405	EA	14" Standard Weight, Welded Plain End Black Steel Tee	2,467.67	1,077.10
		For Schedule 80 Fittings, Add	*570.75*	
		For Work In Restricted Working Space, Add	*484.44*	
23 21 13 23-0406	EA	16" Standard Weight, Welded Plain End Black Steel Tee	2,968.82	1,292.49
		For Schedule 80 Fittings, Add	*687.18*	
		For Work In Restricted Working Space, Add	*581.33*	
23 21 13 23-0407	EA	18" Standard Weight, Welded Plain End Black Steel Tee	3,837.27	1,436.11
		For Schedule 80 Fittings, Add	*925.11*	
		For Work In Restricted Working Space, Add	*645.92*	
23 21 13 23-0408	EA	20" Standard Weight, Welded Plain End Black Steel Tee	5,022.39	1,615.65
		For Schedule 80 Fittings, Add	*1,252.38*	
		For Work In Restricted Working Space, Add	*726.66*	
23 21 13 23-0409	EA	24" Standard Weight, Welded Plain End Black Steel Tee	5,780.05	1,739.93
		For Schedule 80 Fittings, Add	*1,460.12*	
		For Work In Restricted Working Space, Add	*782.56*	

23 21 13 23-0410 Welded Plain End Black Steel Reducing Tees *(23 21 13 23-0326)*

23 21 13 23-0411	EA	3/4" Standard Weight, Welded Plain End Black Steel Reducing Tee	147.82	78.42
		For Schedule 80 Fittings, Add	*32.00*	
		For Work In Restricted Working Space, Add	*35.27*	
23 21 13 23-0412	EA	1" Standard Weight, Welded Plain End Black Steel Reducing Tee	151.56	80.92
		For Schedule 80 Fittings, Add	*32.73*	
		For Work In Restricted Working Space, Add	*36.39*	
23 21 13 23-0413	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Reducing Tee	169.49	90.03
		For Schedule 80 Fittings, Add	*36.68*	
		For Work In Restricted Working Space, Add	*40.49*	
23 21 13 23-0414	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee	186.22	101.17
		For Schedule 80 Fittings, Add	*39.94*	
		For Work In Restricted Working Space, Add	*45.50*	
23 21 13 23-0415	EA	2" Standard Weight, Welded Plain End Black Steel Reducing Tee	239.13	135.07
		For Schedule 80 Fittings, Add	*50.47*	
		For Work In Restricted Working Space, Add	*60.77*	
23 21 13 23-0416	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee	267.70	151.84
		For Schedule 80 Fittings, Add	*56.41*	
		For Work In Restricted Working Space, Add	*68.29*	
23 21 13 23-0417	EA	3" Standard Weight, Welded Plain End Black Steel Reducing Tee	320.64	184.30
		For Schedule 80 Fittings, Add	*67.20*	
		For Work In Restricted Working Space, Add	*82.82*	
23 21 13 23-0418	EA	4" Standard Weight, Welded Plain End Black Steel Reducing Tee	461.18	266.28
		For Schedule 80 Fittings, Add	*96.44*	
		For Work In Restricted Working Space, Add	*119.75*	
23 21 13 23-0419	EA	6" Standard Weight, Welded Plain End Black Steel Reducing Tee	772.33	439.88
		For Schedule 80 Fittings, Add	*162.45*	
		For Work In Restricted Working Space, Add	*197.85*	
23 21 13 23-0420	EA	8" Standard Weight, Welded Plain End Black Steel Reducing Tee	1,131.69	615.46
		For Schedule 80 Fittings, Add	*242.62*	
		For Work In Restricted Working Space, Add	*276.82*	
23 21 13 23-0421	EA	10" Standard Weight, Welded Plain End Black Steel Reducing Tee	1,426.90	718.02
		For Schedule 80 Fittings, Add	*315.03*	
		For Work In Restricted Working Space, Add	*322.96*	
23 21 13 23-0422	EA	12" Standard Weight, Welded Plain End Black Steel Reducing Tee	1,916.98	923.20
		For Schedule 80 Fittings, Add	*429.76*	
		For Work In Restricted Working Space, Add	*415.24*	
23 21 13 23-0423	EA	14" Standard Weight, Welded Plain End Black Steel Reducing Tee	2,471.55	1,077.10
		For Schedule 80 Fittings, Add	*571.91*	
		For Work In Restricted Working Space, Add	*484.44*	
23 21 13 23-0424	EA	16" Standard Weight, Welded Plain End Black Steel Reducing Tee	2,973.52	1,292.49
		For Schedule 80 Fittings, Add	*688.59*	
		For Work In Restricted Working Space, Add	*581.33*	
23 21 13 23-0425	EA	18" Standard Weight, Welded Plain End Black Steel Reducing Tee	3,844.95	1,436.11
		For Schedule 80 Fittings, Add	*927.41*	
		For Work In Restricted Working Space, Add	*645.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 21 13 23-0426 Welded Plain End Black Steel Eccentric Reducers *(23 21 13 23-0326)*

23 21 13 23-0427	EA	3" x 2" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	179.54	102.16
		For Schedule 80 Fittings, Add	*37.77*	
		For Concentric Reducers, Deduct	*-8.43*	
		For Work In Restricted Working Space, Add	*45.96*	
23 21 13 23-0428	EA	4" x 3" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	298.02	177.47
		For Schedule 80 Fittings, Add	*61.46*	
		For Concentric Reducers, Deduct	*-10.21*	
		For Work In Restricted Working Space, Add	*79.84*	
23 21 13 23-0429	EA	4" x 2" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	307.20	177.47
		For Schedule 80 Fittings, Add	*64.22*	
		For Concentric Reducers, Deduct	*-13.15*	
		For Work In Restricted Working Space, Add	*79.84*	
23 21 13 23-0430	EA	6" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	497.88	289.03
		For Schedule 80 Fittings, Add	*103.86*	
		For Concentric Reducers, Deduct	*-20.64*	
		For Work In Restricted Working Space, Add	*130.02*	
23 21 13 23-0431	EA	6" x 3" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	544.85	289.03
		For Schedule 80 Fittings, Add	*117.95*	
		For Concentric Reducers, Deduct	*-35.67*	
		For Work In Restricted Working Space, Add	*130.02*	
23 21 13 23-0432	EA	8" x 6" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	755.89	439.88
		For Schedule 80 Fittings, Add	*157.52*	
		For Concentric Reducers, Deduct	*-30.84*	
		For Work In Restricted Working Space, Add	*197.85*	
23 21 13 23-0433	EA	8" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	825.91	439.88
		For Schedule 80 Fittings, Add	*178.53*	
		For Concentric Reducers, Deduct	*-53.25*	
		For Work In Restricted Working Space, Add	*197.85*	
23 21 13 23-0434	EA	10" x 8" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	872.12	505.86
		For Schedule 80 Fittings, Add	*182.00*	
		For Concentric Reducers, Deduct	*-36.39*	
		For Work In Restricted Working Space, Add	*227.52*	
23 21 13 23-0435	EA	10" x 6" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	960.17	505.86
		For Schedule 80 Fittings, Add	*208.42*	
		For Concentric Reducers, Deduct	*-64.56*	
		For Work In Restricted Working Space, Add	*227.52*	
23 21 13 23-0436	EA	12" x 10" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,099.88	614.27
		For Schedule 80 Fittings, Add	*233.26*	
		For Concentric Reducers, Deduct	*-57.24*	
		For Work In Restricted Working Space, Add	*276.30*	
23 21 13 23-0437	EA	12" x 8" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,201.85	614.27
		For Schedule 80 Fittings, Add	*263.85*	
		For Concentric Reducers, Deduct	*-89.88*	
		For Work In Restricted Working Space, Add	*276.30*	
23 21 13 23-0438	EA	14" x 12" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,390.66	718.02
		For Schedule 80 Fittings, Add	*304.16*	
		For Concentric Reducers, Deduct	*-100.52*	
		For Work In Restricted Working Space, Add	*322.96*	
23 21 13 23-0439	EA	14" x 10" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,447.54	718.02
		For Schedule 80 Fittings, Add	*321.23*	
		For Concentric Reducers, Deduct	*-118.72*	
		For Work In Restricted Working Space, Add	*322.96*	
23 21 13 23-0440	EA	16" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,637.59	807.83
		For Schedule 80 Fittings, Add	*364.11*	
		For Concentric Reducers, Deduct	*-136.47*	
		For Work In Restricted Working Space, Add	*363.33*	
23 21 13 23-0441	EA	16" x 12" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,783.90	807.83
		For Schedule 80 Fittings, Add	*408.00*	
		For Concentric Reducers, Deduct	*-183.29*	
		For Work In Restricted Working Space, Add	*363.33*	
23 21 13 23-0442	EA	18" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	2,077.56	923.20
		For Schedule 80 Fittings, Add	*477.94*	
		For Concentric Reducers, Deduct	*-221.90*	
		For Work In Restricted Working Space, Add	*415.24*	

23 21 13 23-0443 Welded Plain End Black Steel Caps *(23 21 13 23-0326)*

23 21 13 23-0444	EA	1" Standard Weight, Welded Plain End Black Steel Cap	44.33	25.33
		For Schedule 80 Fittings, Add	*8.56*	
		For Work In Restricted Working Space, Add	*11.38*	
23 21 13 23-0445	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Cap	48.52	27.84
		For Schedule 80 Fittings, Add	*9.34*	
		For Work In Restricted Working Space, Add	*12.51*	
23 21 13 23-0446	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Cap	50.44	28.82
		For Schedule 80 Fittings, Add	*9.73*	
		For Work In Restricted Working Space, Add	*12.97*	
23 21 13 23-0447	EA	2" Standard Weight, Welded Plain End Black Steel Cap	62.59	36.93
		For Schedule 80 Fittings, Add	*11.85*	
		For Work In Restricted Working Space, Add	*16.61*	
23 21 13 23-0448	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Cap	73.96	44.52
		For Schedule 80 Fittings, Add	*13.85*	
		For Work In Restricted Working Space, Add	*20.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0449	EA	3" Standard Weight, Welded Plain End Black Steel Cap	87.42	51.35
		For Schedule 80 Fittings, Add	*16.60*	
		For Work In Restricted Working Space, Add	*23.10*	
23 21 13 23-0450	EA	4" Standard Weight, Welded Plain End Black Steel Cap	146.92	88.74
		For Schedule 80 Fittings, Add	*27.44*	
		For Work In Restricted Working Space, Add	*39.92*	
23 21 13 23-0451	EA	6" Standard Weight, Welded Plain End Black Steel Cap	246.16	146.60
		For Schedule 80 Fittings, Add	*46.37*	
		For Work In Restricted Working Space, Add	*65.95*	
23 21 13 23-0452	EA	8" Standard Weight, Welded Plain End Black Steel Cap	409.48	246.79
		For Schedule 80 Fittings, Add	*76.60*	
		For Work In Restricted Working Space, Add	*110.99*	
23 21 13 23-0453	EA	10" Standard Weight, Welded Plain End Black Steel Cap	458.27	259.45
		For Schedule 80 Fittings, Add	*88.86*	
		For Work In Restricted Working Space, Add	*116.68*	
23 21 13 23-0454	EA	12" Standard Weight, Welded Plain End Black Steel Cap	537.34	300.58
		For Schedule 80 Fittings, Add	*104.87*	
		For Work In Restricted Working Space, Add	*135.19*	
23 21 13 23-0455	EA	14" Standard Weight, Welded Plain End Black Steel Cap	701.25	359.01
		For Schedule 80 Fittings, Add	*143.09*	
		For Work In Restricted Working Space, Add	*161.48*	
23 21 13 23-0456	EA	16" Standard Weight, Welded Plain End Black Steel Cap	814.40	416.92
		For Schedule 80 Fittings, Add	*166.18*	
		For Work In Restricted Working Space, Add	*187.53*	
23 21 13 23-0457	EA	18" Standard Weight, Welded Plain End Black Steel Cap	909.79	461.64
		For Schedule 80 Fittings, Add	*186.43*	
		For Work In Restricted Working Space, Add	*207.62*	

23 21 13 23-0458 150 LB, Welded Plain End Black Steel Neck Flanges *(23 21 13 23-0326)*

Note: 150 LB.

23 21 13 23-0459	EA	2", 150 LB, Welded Plain End Black Steel Neck Flange	119.60	56.20
		For 300 LB Rating, Add	*33.59*	
		For Work In Restricted Working Space, Add	*25.28*	
23 21 13 23-0460	EA	2-1/2", 150 LB, Welded Plain End Black Steel Neck Flange	140.48	70.13
		For 300 LB Rating, Add	*35.78*	
		For Work In Restricted Working Space, Add	*31.54*	
23 21 13 23-0461	EA	3", 150 LB, Welded Plain End Black Steel Neck Flange	157.71	81.60
		For 300 LB Rating, Add	*37.62*	
		For Work In Restricted Working Space, Add	*36.70*	
23 21 13 23-0462	EA	4", 150 LB, Welded Plain End Black Steel Neck Flange	206.46	107.62
		For 300 LB Rating, Add	*48.51*	
		For Work In Restricted Working Space, Add	*48.41*	
23 21 13 23-0463	EA	6", 150 LB, Welded Plain End Black Steel Neck Flange	314.03	163.21
		For 300 LB Rating, Add	*74.25*	
		For Work In Restricted Working Space, Add	*73.40*	
23 21 13 23-0464	EA	8", 150 LB, Welded Plain End Black Steel Neck Flange	382.58	174.70
		For 300 LB Rating, Add	*112.00*	
		For Work In Restricted Working Space, Add	*78.56*	
23 21 13 23-0465	EA	10" , 150 LB, Welded Plain End Black Steel Neck Flange	526.88	219.04
		For 300 LB Rating, Add	*173.39*	
		For Work In Restricted Working Space, Add	*98.53*	
23 21 13 23-0466	EA	12" , 150 LB, Welded Plain End Black Steel Neck Flange	661.99	248.55
		For 300 LB Rating, Add	*241.67*	
		For Work In Restricted Working Space, Add	*111.80*	
23 21 13 23-0467	EA	14" , 150 LB, Welded Plain End Black Steel Neck Flange	889.87	300.58
		For 300 LB Rating, Add	*354.78*	
		For Work In Restricted Working Space, Add	*135.19*	
23 21 13 23-0468	EA	16", 150 LB, Welded Plain End Black Steel Neck Flange	1,209.97	349.32
		For 300 LB Rating, Add	*535.37*	
		For Work In Restricted Working Space, Add	*157.12*	
23 21 13 23-0469	EA	18", 150 LB, Welded Plain End Black Steel Neck Flange	1,539.90	391.66
		For 300 LB Rating, Add	*728.55*	
		For Work In Restricted Working Space, Add	*176.16*	
23 21 13 23-0470	EA	20", 150 LB, Welded Plain End Black Steel Neck Flange	1,951.94	497.12
		For 300 LB Rating, Add	*922.90*	
		For Work In Restricted Working Space, Add	*223.59*	
23 21 13 23-0471	EA	24", 150 LB, Welded Plain End Black Steel Neck Flange	2,240.25	538.55
		For 300 LB Rating, Add	*1,087.77*	
		For Work In Restricted Working Space, Add	*242.22*	

23 21 13 23-0472 150 LB, Welded Black Steel Slip-On Flanges *(23 21 13 23-0326)*

23 21 13 23-0473	EA	2", 150 LB, Welded Black Steel Slip-On Flanges	84.46	56.20
		For 300 LB Rating, Add	*22.69*	
		For Work In Restricted Working Space, Add	*20.12*	
23 21 13 23-0474	EA	2-1/2", 150 LB, Welded Black Steel Slip-On Flange	104.29	70.13
		For 300 LB Rating, Add	*28.69*	
		For Work In Restricted Working Space, Add	*24.59*	
23 21 13 23-0475	EA	3", 150 LB, Welded Black Steel Slip-On Flange	124.85	81.60
		For 300 LB Rating, Add	*33.99*	
		For Work In Restricted Working Space, Add	*29.58*	
23 21 13 23-0476	EA	4", 150 LB, Welded Black Steel Slip-On Flange	164.75	107.62
		For 300 LB Rating, Add	*45.78*	
		For Work In Restricted Working Space, Add	*38.68*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0477	EA	6", 150 LB, Welded Black Steel Slip-On Flange	244.74	163.21
		For 300 LB Rating, Add	*69.53*	
		For Work In Restricted Working Space, Add	*56.88*	
23 21 13 23-0478	EA	8", 150 LB, Welded Black Steel Slip-On Flange	322.38	174.70
		For 300 LB Rating, Add	*100.53*	
		For Work In Restricted Working Space, Add	*71.55*	
23 21 13 23-0479	EA	10", 150 LB, Welded Black Steel Slip-On Flange	442.92	219.04
		For 300 LB Rating, Add	*161.62*	
		For Work In Restricted Working Space, Add	*89.44*	
23 21 13 23-0480	EA	12", 150 LB, Welded Black Steel Slip-On Flange	586.20	248.55
		For 300 LB Rating, Add	*243.18*	
		For Work In Restricted Working Space, Add	*107.32*	
23 21 13 23-0481	EA	14", 150 LB, Welded Black Steel Slip-On Flange	751.16	300.58
		For 300 LB Rating, Add	*344.23*	
		For Work In Restricted Working Space, Add	*125.21*	
23 21 13 23-0482	EA	16", 150 LB, Welded Black Steel Slip-On Flange	911.51	349.32
		For 300 LB Rating, Add	*453.00*	
		For Work In Restricted Working Space, Add	*138.63*	
23 21 13 23-0483	EA	18", 150 LB, Welded Black Steel Slip-On Flange	1,010.71	391.66
		For 300 LB Rating, Add	*506.73*	
		For Work In Restricted Working Space, Add	*152.04*	
23 21 13 23-0484	EA	20", 150 LB, Welded Black Steel Slip-On Flange	1,124.29	497.12
		For 300 LB Rating, Add	*573.40*	
		For Work In Restricted Working Space, Add	*165.46*	
23 21 13 23-0485	EA	24", 150 LB, Welded Black Steel Slip-On Flange	1,284.52	538.55
		For 300 LB Rating, Add	*646.50*	
		For Work In Restricted Working Space, Add	*192.29*	

23 21 13 23-0486 150 LB, Forged Steel Blind Flanges *(23 21 13 23-0326)*

23 21 13 23-0487	EA	2", 150 LB, Forged Steel Blind Flange	60.61	20.34
		For 300 LB Rating, Add	*20.23*	
		For 600 LB Rating, Add	*53.98*	
		For Work In Restricted Working Space, Add	*12.20*	
23 21 13 23-0488	EA	2-1/2", 150 LB, Forged Steel Blind Flange	81.15	24.39
		For 300 LB Rating, Add	*31.00*	
		For 600 LB Rating, Add	*84.96*	
		For Work In Restricted Working Space, Add	*14.64*	
23 21 13 23-0489	EA	3", 150 LB, Forged Steel Blind Flange	98.53	32.53
		For 300 LB Rating, Add	*33.61*	
		For 600 LB Rating, Add	*90.09*	
		For Work In Restricted Working Space, Add	*19.52*	
23 21 13 23-0490	EA	4", 150 LB, Forged Steel Blind Flange	127.45	40.66
		For 300 LB Rating, Add	*45.44*	
		For 600 LB Rating, Add	*122.89*	
		For Work In Restricted Working Space, Add	*24.40*	
23 21 13 23-0491	EA	6", 150 LB, Forged Steel Blind Flange	175.61	52.87
		For 300 LB Rating, Add	*67.01*	
		For 600 LB Rating, Add	*183.59*	
		For Work In Restricted Working Space, Add	*31.72*	
23 21 13 23-0492	EA	8", 150 LB, Forged Steel Blind Flange	232.85	61.00
		For 300 LB Rating, Add	*101.50*	
		For 600 LB Rating, Add	*284.36*	
		For Work In Restricted Working Space, Add	*36.60*	
23 21 13 23-0493	EA	10", 150 LB, Forged Steel Blind Flange	362.89	73.19
		For 300 LB Rating, Add	*188.56*	
		For 600 LB Rating, Add	*541.54*	
		For Work In Restricted Working Space, Add	*43.92*	
23 21 13 23-0494	EA	12", 150 LB, Forged Steel Blind Flange	477.21	85.39
		For 300 LB Rating, Add	*263.07*	
		For 600 LB Rating, Add	*761.03*	
		For Work In Restricted Working Space, Add	*51.24*	
23 21 13 23-0495	EA	14", 150 LB, Forged Steel Blind Flange	826.08	97.60
		For 300 LB Rating, Add	*525.21*	
		For Work In Restricted Working Space, Add	*58.55*	
23 21 13 23-0496	EA	16", 150 LB, Forged Steel Blind Flange	884.60	109.79
		For 300 LB Rating, Add	*555.06*	
		For Work In Restricted Working Space, Add	*65.88*	
23 21 13 23-0497	EA	18", 150 LB, Forged Steel Blind Flange	990.68	134.19
		For 300 LB Rating, Add	*606.01*	
		For Work In Restricted Working Space, Add	*80.52*	
23 21 13 23-0498	EA	20", 150 LB, Forged Steel Blind Flange	1,281.72	146.39
		For 300 LB Rating, Add	*821.89*	
		For Work In Restricted Working Space, Add	*87.83*	
23 21 13 23-0499	EA	24", 150 LB, Forged Steel Blind Flange	1,757.41	170.79
		For 300 LB Rating, Add	*1,168.53*	
		For Work In Restricted Working Space, Add	*102.47*	

23 21 13 23-0500 3,000 LB, Forge Steel Thread-O-Lets *(23 21 13 23-0326)*

23 21 13 23-0501	EA	1/2", 3,000 LB, Forge Steel Thread-O-Let	59.30	
		For Weld-O-Lets, Add	*4.37*	
		For Sock-O-Lets, Add	*22.97*	
		For Work In Restricted Working Space, Add	*15.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0502	EA	3/4", 3,000 LB, Forge Steel Thread-O-Let	70.94	
		For Weld-O-Lets, Add	*5.13*	
		For Sock-O-Lets, Add	*27.47*	
		For Work In Restricted Working Space, Add	*18.20*	
23 21 13 23-0503	EA	1", 3,000 LB, Forge Steel Thread-O-Let	80.45	
		For Weld-O-Lets, Add	*5.75*	
		For Sock-O-Lets, Add	*31.15*	
		For Work In Restricted Working Space, Add	*20.69*	
23 21 13 23-0504	EA	1-1/4" Or 1-1/2", 3,000 LB, Forge Steel Thread-O-Let	92.16	
		For Weld-O-Lets, Add	*8.16*	
		For Sock-O-Lets, Add	*35.84*	
		For Work In Restricted Working Space, Add	*22.76*	
23 21 13 23-0505	EA	2", 3,000 LB, Forge Steel Thread-O-Let	104.67	
		For Weld-O-Lets, Add	*10.20*	
		For Sock-O-Lets, Add	*40.79*	
		For Work In Restricted Working Space, Add	*25.28*	
23 21 13 23-0506	EA	2-1/2", 3,000 LB, Forge Steel Thread-O-Let	182.38	
		For Weld-O-Lets, Add	*37.02*	
		For Sock-O-Lets, Add	*73.01*	
		For Work In Restricted Working Space, Add	*32.51*	
23 21 13 23-0507	EA	3", 3,000 LB, Forge Steel Thread-O-Let	226.15	
		For Weld-O-Lets, Add	*37.24*	
		For Sock-O-Lets, Add	*89.66*	
		For Work In Restricted Working Space, Add	*45.50*	
23 21 13 23-0508	EA	4", 3,000 LB, Forge Steel Thread-O-Let	335.38	
		For Weld-O-Lets, Add	*72.89*	
		For Sock-O-Lets, Add	*134.73*	
		For Work In Restricted Working Space, Add	*56.88*	

23 21 13 23-0509 Bolt, Nut, And 150 LB Rubber Flange Gasket Set *(23 21 13 23-0326)*

Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.

23 21 13 23-0510	EA	3/4" To 1-1/2" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set Note: Includes rubber gasket, and four (4) 1/2" diameter bolts with washer and nut.	7.14	
		For 300 LB Rating Gasket Set, Add	*2.32*	
		For 150 LB Rating Teflon Gasket Set, Add	*9.32*	
23 21 13 23-0511	EA	2" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washer and nut.	12.70	
		For 300 LB Rating Gasket Set, Add	*4.13*	
		For 150 LB Rating Teflon Gasket Set, Add	*16.57*	
23 21 13 23-0512	EA	2-1/2" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washer and nut.	13.62	
		For 300 LB Rating Gasket Set, Add	*4.43*	
		For 150 LB Rating Teflon Gasket Set, Add	*17.77*	
23 21 13 23-0513	EA	3" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washer and nut.	14.33	
		For 300 LB Rating Gasket Set, Add	*4.66*	
		For 150 LB Rating Teflon Gasket Set, Add	*18.70*	
23 21 13 23-0514	EA	4" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washer and nut.	24.93	
		For 300 LB Rating Gasket Set, Add	*8.10*	
		For 150 LB Rating Teflon Gasket Set, Add	*32.53*	
23 21 13 23-0515	EA	5" To 6" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washer and nut.	39.10	
		For 300 LB Rating Gasket Set, Add	*12.71*	
		For 150 LB Rating Teflon Gasket Set, Add	*51.03*	
23 21 13 23-0516	EA	8" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washer and nut.	42.06	
		For 300 LB Rating Gasket Set, Add	*13.67*	
		For 150 LB Rating Teflon Gasket Set, Add	*54.89*	
23 21 13 23-0517	EA	10" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washer and nut.	85.76	
		For 300 LB Rating Gasket Set, Add	*27.87*	
		For 150 LB Rating Teflon Gasket Set, Add	*111.92*	
23 21 13 23-0518	EA	12" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washer and nut.	92.82	
		For 300 LB Rating Gasket Set, Add	*30.17*	
		For 150 LB Rating Teflon Gasket Set, Add	*121.13*	
23 21 13 23-0519	EA	14" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set Note: Includes rubber gasket, and twelve (12) 1" diameter bolts with washer and nut.	131.64	
		For 300 LB Rating Gasket Set, Add	*42.78*	
		For 150 LB Rating Teflon Gasket Set, Add	*171.79*	
23 21 13 23-0520	EA	16" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washer and nut.	171.71	
		For 300 LB Rating Gasket Set, Add	*55.81*	
		For 150 LB Rating Teflon Gasket Set, Add	*224.08*	
23 21 13 23-0521	EA	18" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washer and nut.	248.34	
		For 300 LB Rating Gasket Set, Add	*80.71*	
		For 150 LB Rating Teflon Gasket Set, Add	*324.08*	
23 21 13 23-0522	EA	20" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washer and nut.	343.15	
		For 300 LB Rating Gasket Set, Add	*111.52*	
		For 150 LB Rating Teflon Gasket Set, Add	*447.81*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0523	EA	24" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washer and nut.	428.93	
		For 300 LB Rating Gasket Set, Add	*139.40*	
		For 150 LB Rating Teflon Gasket Set, Add	*559.75*	
23 21 13 23-0524	EA	30" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set Note: Includes rubber gasket, and twenty-eight (28) 1-1/4" diameter bolts with washer and nut.	716.73	
		For 300 LB Rating Gasket Set, Add	*232.94*	
		For 150 LB Rating Teflon Gasket Set, Add	*935.33*	
23 21 13 23-0525	EA	36" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set Note: Includes rubber gasket, and thirty-two (32) 1-1/2" diameter bolts with washer and nut.	857.87	
		For 300 LB Rating Gasket Set, Add	*278.81*	
		For 150 LB Rating Teflon Gasket Set, Add	*1,119.52*	
23 21 13 23-0526		**150 LB, Rubber Flange Gasket Replacement** *(23 21 13 23-0326)* Note: Includes unbolting, removal of old gaskets, new 150 LB rubber gasket and rebolting.		
23 21 13 23-0527	EA	1/2", 150 LB, Rubber Flange Gasket Replacement	22.53	
		For 300 LB Rating Gasket Set, Add	*0.02*	
		For 150 LB Rating Teflon Gasket Set, Add	*0.54*	
		For 300 LB Rating Teflon Gasket Set, Add	*0.62*	
		For Work In Restricted Working Space, Add	*6.74*	
23 21 13 23-0528	EA	3/4", 150 LB, Rubber Flange Gasket Replacement	24.06	
		For 300 LB Rating Gasket Set, Add	*0.04*	
		For 150 LB Rating Teflon Gasket Set, Add	*0.77*	
		For 300 LB Rating Teflon Gasket Set, Add	*0.89*	
		For Work In Restricted Working Space, Add	*7.19*	
23 21 13 23-0529	EA	1", 150 LB, Rubber Flange Gasket Replacement	26.37	
		For 300 LB Rating Gasket Set, Add	*0.06*	
		For 150 LB Rating Teflon Gasket Set, Add	*1.31*	
		For 300 LB Rating Teflon Gasket Set, Add	*1.51*	
		For Work In Restricted Working Space, Add	*7.86*	
23 21 13 23-0530	EA	1-1/4", 150 LB, Rubber Flange Gasket Replacement	28.64	
		For 300 LB Rating Gasket Set, Add	*0.07*	
		For 150 LB Rating Teflon Gasket Set, Add	*1.47*	
		For 300 LB Rating Teflon Gasket Set, Add	*1.69*	
		For Work In Restricted Working Space, Add	*8.54*	
23 21 13 23-0531	EA	1-1/2", 150 LB, Rubber Flange Gasket Replacement	31.68	
		For 300 LB Rating Gasket Set, Add	*0.08*	
		For 150 LB Rating Teflon Gasket Set, Add	*1.86*	
		For 300 LB Rating Teflon Gasket Set, Add	*2.14*	
		For Work In Restricted Working Space, Add	*9.43*	
23 21 13 23-0532	EA	2", 150 LB, Rubber Flange Gasket Replacement	34.79	
		For 300 LB Rating Gasket Set, Add	*0.12*	
		For 150 LB Rating Teflon Gasket Set, Add	*2.63*	
		For 300 LB Rating Teflon Gasket Set, Add	*3.03*	
		For Work In Restricted Working Space, Add	*10.34*	
23 21 13 23-0533	EA	2-1/2", 150 LB, Rubber Flange Gasket Replacement	40.89	
		For 300 LB Rating Gasket Set, Add	*0.16*	
		For 150 LB Rating Teflon Gasket Set, Add	*3.56*	
		For 300 LB Rating Teflon Gasket Set, Add	*4.09*	
		For Work In Restricted Working Space, Add	*12.13*	
23 21 13 23-0534	EA	3", 150 LB, Rubber Flange Gasket Replacement	43.21	
		For 300 LB Rating Gasket Set, Add	*0.19*	
		For 150 LB Rating Teflon Gasket Set, Add	*4.10*	
		For 300 LB Rating Teflon Gasket Set, Add	*4.72*	
		For Work In Restricted Working Space, Add	*12.80*	
23 21 13 23-0535	EA	4", 150 LB, Rubber Flange Gasket Replacement	57.03	
		For 300 LB Rating Gasket Set, Add	*0.30*	
		For 150 LB Rating Teflon Gasket Set, Add	*6.73*	
		For 300 LB Rating Teflon Gasket Set, Add	*7.74*	
		For Work In Restricted Working Space, Add	*16.85*	
23 21 13 23-0536	EA	5", 150 LB, Rubber Flange Gasket Replacement	66.12	
		For 300 LB Rating Gasket Set, Add	*0.34*	
		For 150 LB Rating Teflon Gasket Set, Add	*7.50*	
		For 300 LB Rating Teflon Gasket Set, Add	*8.63*	
		For Work In Restricted Working Space, Add	*19.55*	
23 21 13 23-0537	EA	6", 150 LB, Rubber Flange Gasket Replacement	75.38	
		For 300 LB Rating Gasket Set, Add	*0.44*	
		For 150 LB Rating Teflon Gasket Set, Add	*9.74*	
		For 300 LB Rating Teflon Gasket Set, Add	*11.21*	
		For Work In Restricted Working Space, Add	*22.24*	
23 21 13 23-0538	EA	8", 150 LB, Rubber Flange Gasket Replacement	91.70	
		For 300 LB Rating Gasket Set, Add	*0.64*	
		For 150 LB Rating Teflon Gasket Set, Add	*14.22*	
		For 300 LB Rating Teflon Gasket Set, Add	*16.38*	
		For Work In Restricted Working Space, Add	*26.96*	
23 21 13 23-0539	EA	10", 150 LB, Rubber Flange Gasket Replacement	98.45	
		For 300 LB Rating Gasket Set, Add	*0.91*	
		For 150 LB Rating Teflon Gasket Set, Add	*20.18*	
		For 300 LB Rating Teflon Gasket Set, Add	*23.23*	
		For Work In Restricted Working Space, Add	*28.75*	
23 21 13 23-0540	EA	12", 150 LB, Rubber Flange Gasket Replacement	111.91	
		For 300 LB Rating Gasket Set, Add	*1.17*	
		For 150 LB Rating Teflon Gasket Set, Add	*25.82*	
		For 300 LB Rating Teflon Gasket Set, Add	*29.73*	
		For Work In Restricted Working Space, Add	*32.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0541	EA	14", 150 LB, Rubber Flange Gasket Replacement	116.31	
		For 300 LB Rating Gasket Set, Add	*1.40*	
		For 150 LB Rating Teflon Gasket Set, Add	*30.84*	
		For 300 LB Rating Teflon Gasket Set, Add	*35.51*	
		For Work In Restricted Working Space, Add	*33.70*	
23 21 13 23-0542	EA	16", 150 LB, Rubber Flange Gasket Replacement	154.20	
		For 300 LB Rating Gasket Set, Add	*1.56*	
		For 150 LB Rating Teflon Gasket Set, Add	*34.40*	
		For 300 LB Rating Teflon Gasket Set, Add	*39.61*	
		For Work In Restricted Working Space, Add	*44.93*	
23 21 13 23-0543	EA	18", 150 LB, Rubber Flange Gasket Replacement	168.61	
		For 300 LB Rating Gasket Set, Add	*1.62*	
		For 150 LB Rating Teflon Gasket Set, Add	*35.87*	
		For 300 LB Rating Teflon Gasket Set, Add	*41.30*	
		For Work In Restricted Working Space, Add	*49.19*	
23 21 13 23-0544	EA	20", 150 LB, Rubber Flange Gasket Replacement	204.88	
		For 300 LB Rating Gasket Set, Add	*1.74*	
		For 150 LB Rating Teflon Gasket Set, Add	*38.50*	
		For 300 LB Rating Teflon Gasket Set, Add	*44.32*	
		For Work In Restricted Working Space, Add	*59.97*	

23 21 13 23-0545 Cut And Prepare For Welding Existing In-Place Black Steel Pipe *(23 21 13 23-0326)*

Note: For use when connecting pipe to an existing in-place system.

23 21 13 23-0546	EA	1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	16.26	
		For Work In Restricted Working Space, Add	*4.88*	
23 21 13 23-0547	EA	3/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	17.56	
		For Work In Restricted Working Space, Add	*5.27*	
23 21 13 23-0548	EA	1", Cut And Prepare For Welding Existing In Place Black Steel Pipe	19.75	
		For Work In Restricted Working Space, Add	*5.93*	
23 21 13 23-0549	EA	1-1/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	20.73	
		For Work In Restricted Working Space, Add	*6.22*	
23 21 13 23-0550	EA	1-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	21.95	
		For Work In Restricted Working Space, Add	*6.59*	
23 21 13 23-0551	EA	2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	23.57	
		For Work In Restricted Working Space, Add	*7.07*	
23 21 13 23-0552	EA	2-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	25.20	
		For Work In Restricted Working Space, Add	*7.56*	
23 21 13 23-0553	EA	3", Cut And Prepare For Welding Existing In Place Black Steel Pipe	27.64	
		For Work In Restricted Working Space, Add	*8.29*	
23 21 13 23-0554	EA	4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	30.08	
		For Work In Restricted Working Space, Add	*9.02*	
23 21 13 23-0555	EA	6", Cut And Prepare For Welding Existing In Place Black Steel Pipe	32.52	
		For Work In Restricted Working Space, Add	*9.76*	
23 21 13 23-0556	EA	8", Cut And Prepare For Welding Existing In Place Black Steel Pipe	34.96	
		For Work In Restricted Working Space, Add	*10.49*	
23 21 13 23-0557	EA	10", Cut And Prepare For Welding Existing In Place Black Steel Pipe	38.21	
		For Work In Restricted Working Space, Add	*11.46*	
23 21 13 23-0558	EA	12", Cut And Prepare For Welding Existing In Place Black Steel Pipe	41.46	
		For Work In Restricted Working Space, Add	*12.44*	
23 21 13 23-0559	EA	14", Cut And Prepare For Welding Existing In Place Black Steel Pipe	44.71	
		For Work In Restricted Working Space, Add	*13.41*	
23 21 13 23-0560	EA	16", Cut And Prepare For Welding Existing In Place Black Steel Pipe	47.96	
		For Work In Restricted Working Space, Add	*14.39*	
23 21 13 23-0561	EA	18", Cut And Prepare For Welding Existing In Place Black Steel Pipe	50.40	
		For Work In Restricted Working Space, Add	*15.12*	
23 21 13 23-0562	EA	20", Cut And Prepare For Welding Existing In Place Black Steel Pipe	52.85	
		For Work In Restricted Working Space, Add	*15.86*	
23 21 13 23-0563	EA	24", Cut And Prepare For Welding Existing In Place Black Steel Pipe	56.10	
		For Work In Restricted Working Space, Add	*16.83*	

23 21 13 23-0564 Welded Plain End Electric Resistance Black Steel Pipe *(23 21 13 23-0326)*

Note: ASTM A-135.

23 21 13 23-0565	LF	2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	16.09	8.34
		For Work In Restricted Working Space, Add	*4.10*	
23 21 13 23-0566	LF	2-1/2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	17.40	9.11
		For Work In Restricted Working Space, Add	*4.10*	
23 21 13 23-0567	LF	3" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	18.01	8.95
		For Work In Restricted Working Space, Add	*4.01*	
23 21 13 23-0568	LF	4" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	22.64	11.37
		For Work In Restricted Working Space, Add	*5.12*	
23 21 13 23-0569	LF	6" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	36.06	16.83
		For Work In Restricted Working Space, Add	*7.57*	
23 21 13 23-0570	LF	8.322" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	45.84	20.35
		For Work In Restricted Working Space, Add	*9.17*	
23 21 13 23-0571	LF	10.365" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	60.71	25.34
		For Work In Restricted Working Space, Add	*11.40*	
23 21 13 23-0572	LF	12.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	73.56	30.56
		For Work In Restricted Working Space, Add	*13.74*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0573	LF	14.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	94.29	39.65
		For Work In Restricted Working Space, Add	*17.84*	

23 21 13 23-0574 Flanged Steel Fittings *(23 21 13 23)*

See CSI section 23 21 13 23-0327 for steel pipe, 23 21 13 23-0458 for welded neck flange ends.

23 21 13 23-0575 Flanged Steel Fittings, Standard Weight *(23 21 13 23-0574)*

Note: Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets. See CSI section 23 21 13 23-0509 for gaskets.

23 21 13 23-0576 Flanged Steel, 90 Degree Elbows *(23 21 13 23-0575)*

23 21 13 23-0577	EA	2" Standard Weight, Flanged Steel, 90 Degree Elbow	409.84	34.95
		For Galvanized Fittings, Add	*285.96*	
		For Extra Heavy Weight Fittings, Add	*428.94*	
23 21 13 23-0578	EA	2-1/2" Standard Weight, Flanged Steel, 90 Degree Elbow	457.13	38.91
		For Galvanized Fittings, Add	*319.01*	
		For Extra Heavy Weight Fittings, Add	*478.51*	
23 21 13 23-0579	EA	3" Standard Weight, Flanged Steel, 90 Degree Elbow	452.33	42.96
		For Galvanized Fittings, Add	*310.38*	
		For Extra Heavy Weight Fittings, Add	*465.58*	
23 21 13 23-0580	EA	4" Standard Weight, Flanged Steel, 90 Degree Elbow	575.99	49.92
		For Galvanized Fittings, Add	*400.92*	
		For Extra Heavy Weight Fittings, Add	*601.38*	
23 21 13 23-0581	EA	5" Standard Weight, Flanged Steel, 90 Degree Elbow	811.29	55.90
		For Galvanized Fittings, Add	*581.98*	
		For Extra Heavy Weight Fittings, Add	*872.96*	
23 21 13 23-0582	EA	6" Standard Weight, Flanged Steel, 90 Degree Elbow	855.29	64.88
		For Galvanized Fittings, Add	*606.41*	
		For Extra Heavy Weight Fittings, Add	*909.61*	
23 21 13 23-0583	EA	8" Standard Weight, Flanged Steel, 90 Degree Elbow	1,089.75	71.84
		For Galvanized Fittings, Add	*785.58*	
		For Extra Heavy Weight Fittings, Add	*1,178.38*	

23 21 13 23-0584 Flanged Steel, Reducing 90 Degree Elbows *(23 21 13 23-0575)*

23 21 13 23-0585	EA	2-1/2" x 2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	777.46	36.97
		For Galvanized Fittings, Add	*577.66*	
		For Extra Heavy Weight Fittings, Add	*866.50*	
23 21 13 23-0586	EA	3" x 2-1/2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	808.59	40.94
		For Galvanized Fittings, Add	*597.78*	
		For Extra Heavy Weight Fittings, Add	*896.68*	
23 21 13 23-0587	EA	4" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,009.02	46.40
		For Galvanized Fittings, Add	*751.54*	
		For Extra Heavy Weight Fittings, Add	*1,127.32*	
23 21 13 23-0588	EA	5" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,252.40	49.40
		For Galvanized Fittings, Add	*942.66*	
		For Extra Heavy Weight Fittings, Add	*1,413.98*	
23 21 13 23-0589	EA	6" x 4" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,426.04	57.39
		For Galvanized Fittings, Add	*1,071.98*	
		For Extra Heavy Weight Fittings, Add	*1,607.98*	
23 21 13 23-0590	EA	8" x 6" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,993.96	68.40
		For Galvanized Fittings, Add	*1,513.14*	
		For Extra Heavy Weight Fittings, Add	*2,269.72*	

23 21 13 23-0591 Flanged Steel, 45 Degree Elbows *(23 21 13 23-0575)*

23 21 13 23-0592	EA	2" Standard Weight, Flanged Steel, 45 Degree Elbow	539.17	34.95
		For Galvanized Fittings, Add	*389.42*	
		For Extra Heavy Weight Fittings, Add	*584.14*	
23 21 13 23-0593	EA	2-1/2" Standard Weight, Flanged Steel, 45 Degree Elbow	561.31	38.91
		For Galvanized Fittings, Add	*402.35*	
		For Extra Heavy Weight Fittings, Add	*603.53*	
23 21 13 23-0594	EA	3" Standard Weight, Flanged Steel, 45 Degree Elbow	581.66	42.96
		For Galvanized Fittings, Add	*413.85*	
		For Extra Heavy Weight Fittings, Add	*620.77*	
23 21 13 23-0595	EA	4" Standard Weight, Flanged Steel, 45 Degree Elbow	726.87	49.92
		For Galvanized Fittings, Add	*521.62*	
		For Extra Heavy Weight Fittings, Add	*782.44*	
23 21 13 23-0596	EA	5" Standard Weight, Flanged Steel, 45 Degree Elbow	1,055.58	55.90
		For Galvanized Fittings, Add	*777.41*	
		For Extra Heavy Weight Fittings, Add	*1,166.11*	
23 21 13 23-0597	EA	6" Standard Weight, Flanged Steel, 45 Degree Elbow	1,024.13	64.88
		For Galvanized Fittings, Add	*741.48*	
		For Extra Heavy Weight Fittings, Add	*1,112.22*	
23 21 13 23-0598	EA	8" Standard Weight, Flanged Steel, 45 Degree Elbow	1,210.00	71.84
		For Galvanized Fittings, Add	*881.78*	
		For Extra Heavy Weight Fittings, Add	*1,322.68*	

23 21 13 23-0599 Flanged Steel, Tees *(23 21 13 23-0575)*

23 21 13 23-0600	EA	2" Standard Weight, Flanged Steel, Tee	522.25	52.39
		For Galvanized Fittings, Add	*354.94*	
		For Extra Heavy Weight Fittings, Add	*532.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0601	EA	2-1/2" Standard Weight, Flanged Steel, Tee	678.51	58.37
		For Galvanized Fittings, Add	*472.77*	
		For Extra Heavy Weight Fittings, Add	*709.15*	
23 21 13 23-0602	EA	3" Standard Weight, Flanged Steel, Tee	613.86	64.35
		For Galvanized Fittings, Add	*413.86*	
		For Extra Heavy Weight Fittings, Add	*620.78*	
23 21 13 23-0603	EA	4" Standard Weight, Flanged Steel, Tee	884.61	74.91
		For Galvanized Fittings, Add	*617.89*	
		For Extra Heavy Weight Fittings, Add	*926.83*	
23 21 13 23-0604	EA	5" Standard Weight, Flanged Steel, Tee	1,326.27	83.90
		For Galvanized Fittings, Add	*960.43*	
		For Extra Heavy Weight Fittings, Add	*1,440.65*	
23 21 13 23-0605	EA	6" Standard Weight, Flanged Steel, Tee	1,620.86	97.36
		For Galvanized Fittings, Add	*1,179.95*	
		For Extra Heavy Weight Fittings, Add	*1,769.93*	
23 21 13 23-0606	EA	8" Standard Weight, Flanged Steel, Tee	1,792.41	112.77
		For Galvanized Fittings, Add	*1,298.62*	
		For Extra Heavy Weight Fittings, Add	*1,947.94*	

23 21 13 23-0607 Flanged Steel, Reducing Tees *(23 21 13 23-0575)*

23 21 13 23-0608	EA	2-1/2" Standard Weight, Flanged Steel, Reducing Tee	837.18	56.43
		For Galvanized Fittings, Add	*602.10*	
		For Extra Heavy Weight Fittings, Add	*903.14*	
23 21 13 23-0609	EA	3" Standard Weight, Flanged Steel, Reducing Tee	968.31	62.41
		For Galvanized Fittings, Add	*699.81*	
		For Extra Heavy Weight Fittings, Add	*1,049.71*	
23 21 13 23-0610	EA	4" Standard Weight, Flanged Steel, Reducing Tee	1,682.19	71.40
		For Galvanized Fittings, Add	*1,260.14*	
		For Extra Heavy Weight Fittings, Add	*1,890.22*	
23 21 13 23-0611	EA	5" Standard Weight, Flanged Steel, Reducing Tee	1,816.66	80.89
		For Galvanized Fittings, Add	*1,356.34*	
		For Extra Heavy Weight Fittings, Add	*2,034.50*	
23 21 13 23-0612	EA	6" Standard Weight, Flanged Steel, Reducing Tee	2,287.54	92.87
		For Galvanized Fittings, Add	*1,718.67*	
		For Extra Heavy Weight Fittings, Add	*2,578.01*	
23 21 13 23-0613	EA	8" Standard Weight, Flanged Steel, Reducing Tee	2,861.52	104.32
		For Galvanized Fittings, Add	*2,164.10*	
		For Extra Heavy Weight Fittings, Add	*3,246.14*	

23 21 13 23-0614 Flanged Steel, Concentric Reducers *(23 21 13 23-0575)*

23 21 13 23-0615	EA	3" x 2-1/2" Standard Weight, Flanged Steel, Concentric Reducer	797.81	40.94
		For Galvanized Fittings, Add	*589.16*	
		For Extra Heavy Weight Fittings, Add	*883.74*	
23 21 13 23-0616	EA	4" x 3" Standard Weight, Flanged Steel, Concentric Reducer	906.63	46.40
		For Galvanized Fittings, Add	*669.63*	
		For Extra Heavy Weight Fittings, Add	*1,004.45*	
23 21 13 23-0617	EA	5" x 4" Standard Weight, Flanged Steel, Concentric Reducer	1,352.84	52.91
		For Galvanized Fittings, Add	*1,018.82*	
		For Extra Heavy Weight Fittings, Add	*1,528.22*	
23 21 13 23-0618	EA	6" x 4" Standard Weight, Flanged Steel, Concentric Reducer	1,492.51	57.39
		For Galvanized Fittings, Add	*1,125.16*	
		For Extra Heavy Weight Fittings, Add	*1,687.74*	
23 21 13 23-0619	EA	8" x 6" Standard Weight, Flanged Steel, Concentric Reducer	1,747.87	68.40
		For Galvanized Fittings, Add	*1,316.27*	
		For Extra Heavy Weight Fittings, Add	*1,974.41*	

23 21 13 23-0620 Flanged Steel, Eccentric Reducers *(23 21 13 23-0575)*

23 21 13 23-0621	EA	4" x 3" Standard Weight, Flanged Steel, Eccentric Reducer	1,059.31	46.40
		For Galvanized Fittings, Add	*791.78*	
		For Extra Heavy Weight Fittings, Add	*1,187.66*	
23 21 13 23-0622	EA	5" x 4" Standard Weight, Flanged Steel, Eccentric Reducer	1,449.84	52.91
		For Galvanized Fittings, Add	*1,096.42*	
		For Extra Heavy Weight Fittings, Add	*1,644.62*	

23 21 13 23-0623 Plain End Couplings And Fittings *(23 21 13 23)*

Note: For use on standard weight steel pipe (Schedule 40), but may be used on lightwall steel or other metallic pipe such as aluminum or stainless steel.

23 21 13 23-0624 Plain End Piping System Couplings *(23 21 13 23-0623)*

23 21 13 23-0625 Plainlock Plain End Piping System Couplings *(23 21 13 23-0624)*

Note: Ductile iron body with gasket, bolts and nuts.

23 21 13 23-0626	EA	1" Plainlock Plain End Piping System Coupling	104.82	4.49
		For Galvanized Fittings, Add	*19.62*	
23 21 13 23-0627	EA	1-1/2" Plainlock Plain End Piping System Coupling	107.44	6.21
		For Galvanized Fittings, Add	*19.62*	
23 21 13 23-0628	EA	2" Plainlock Plain End Piping System Coupling	110.47	8.23
		For Galvanized Fittings, Add	*19.62*	
23 21 13 23-0629	EA	2-1/2" Plainlock Plain End Piping System Coupling	113.05	9.95
		For Galvanized Fittings, Add	*19.62*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0630	EA	3" Plainlock Plain End Piping System Coupling	133.72	11.98
		For Galvanized Fittings, Add	*23.15*	
23 21 13 23-0631	EA	4" Plainlock Plain End Piping System Coupling	184.32	15.94
		For Galvanized Fittings, Add	*32.08*	
23 21 13 23-0632	EA	6" Plainlock Plain End Piping System Coupling	309.72	25.97
		For Galvanized Fittings, Add	*54.16*	

23 21 13 23-0633 Roust-A-Bout Plain End Piping System Couplings *(23 21 13 23-0624)*

Note: Ductile iron body with gasket, bolts and nuts.

23 21 13 23-0634	EA	1-1/2" Roust-A-Bout Plain End Piping System Coupling	126.49	6.21
		For Galvanized Fittings, Add	*29.28*	
23 21 13 23-0635	EA	2" Roust-A-Bout Plain End Piping System Coupling	129.52	8.23
		For Galvanized Fittings, Add	*29.28*	
23 21 13 23-0636	EA	2-1/2" Roust-A-Bout Plain End Piping System Coupling	132.11	10.03
		For Galvanized Fittings, Add	*29.28*	
23 21 13 23-0637	EA	3" Roust-A-Bout Plain End Piping System Coupling	191.45	11.98
		For Galvanized Fittings, Add	*43.38*	
23 21 13 23-0638	EA	3-1/2" Roust-A-Bout Plain End Piping System Coupling	221.76	13.99
		For Galvanized Fittings, Add	*50.20*	
23 21 13 23-0639	EA	4" Roust-A-Bout Plain End Piping System Coupling	224.72	15.94
		For Galvanized Fittings, Add	*50.20*	
23 21 13 23-0640	EA	5" Roust-A-Bout Plain End Piping System Coupling	316.82	19.98
		For Galvanized Fittings, Add	*71.72*	
23 21 13 23-0641	EA	6" Roust-A-Bout Plain End Piping System Coupling	389.27	25.97
		For Galvanized Fittings, Add	*87.59*	
23 21 13 23-0642	EA	8" Roust-A-Bout Plain End Piping System Coupling	667.69	30.98
		For Galvanized Fittings, Add	*155.31*	
23 21 13 23-0643	EA	10" Roust-A-Bout Plain End Piping System Coupling	863.26	36.66
		For Galvanized Fittings, Add	*202.06*	
23 21 13 23-0644	EA	12" Roust-A-Bout Plain End Piping System Coupling	1,079.27	43.40
		For Galvanized Fittings, Add	*253.54*	
23 21 13 23-0645	EA	14" Roust-A-Bout Plain End Piping System Coupling	1,512.08	47.97
		For Galvanized Fittings, Add	*360.03*	
23 21 13 23-0646	EA	16" Roust-A-Bout Plain End Piping System Coupling	2,053.48	54.25
		For Galvanized Fittings, Add	*493.03*	

23 21 13 23-0647 Plain End Piping System Fittings *(23 21 13 23-0623)*

Note: Cast ductile iron bodies.

23 21 13 23-0648 Plain End Piping System, 90 Degree Elbows *(23 21 13 23-0647)*

23 21 13 23-0649	EA	1" Plain End Piping System, 90 Degree Elbow	104.82	8.16
		For Galvanized Fittings, Add	*18.52*	
23 21 13 23-0650	EA	1-1/2" Plain End Piping System, 90 Degree Elbow	111.11	12.35
		For Galvanized Fittings, Add	*18.52*	
23 21 13 23-0651	EA	2" Plain End Piping System, 90 Degree Elbow	117.05	16.32
		For Galvanized Fittings, Add	*18.52*	
23 21 13 23-0652	EA	2-1/2" Plain End Piping System, 90 Degree Elbow	122.39	19.90
		For Galvanized Fittings, Add	*18.52*	
23 21 13 23-0653	EA	3" Plain End Piping System, 90 Degree Elbow	147.33	24.09
		For Galvanized Fittings, Add	*22.24*	
23 21 13 23-0654	EA	4" Plain End Piping System, 90 Degree Elbow	209.78	31.73
		For Galvanized Fittings, Add	*32.44*	
23 21 13 23-0655	EA	5" Plain End Piping System, 90 Degree Elbow	620.94	39.74
		For Galvanized Fittings, Add	*112.27*	
23 21 13 23-0656	EA	6" Plain End Piping System, 90 Degree Elbow	524.32	52.02
		For Galvanized Fittings, Add	*89.27*	
23 21 13 23-0657	EA	8" Plain End Piping System, 90 Degree Elbow	1,035.39	61.74
		For Galvanized Fittings, Add	*188.55*	
23 21 13 23-0658	EA	10" Plain End Piping System, 90 Degree Elbow	1,293.06	72.14
		For Galvanized Fittings, Add	*236.98*	
23 21 13 23-0659	EA	12" Plain End Piping System, 90 Degree Elbow	1,638.61	86.66
		For Galvanized Fittings, Add	*301.74*	

23 21 13 23-0660 Plain End Piping System, 45 Degree Elbows *(23 21 13 23-0647)*

23 21 13 23-0661	EA	1" Plain End Piping System, 45 Degree Elbow	104.82	8.16
		For Galvanized Fittings, Add	*18.52*	
23 21 13 23-0662	EA	1-1/2" Plain End Piping System, 45 Degree Elbow	111.11	12.35
		For Galvanized Fittings, Add	*18.52*	
23 21 13 23-0663	EA	2" Plain End Piping System, 45 Degree Elbow	117.05	16.32
		For Galvanized Fittings, Add	*18.52*	
23 21 13 23-0664	EA	2-1/2" Plain End Piping System, 45 Degree Elbow	122.39	19.90
		For Galvanized Fittings, Add	*18.52*	
23 21 13 23-0665	EA	3" Plain End Piping System, 45 Degree Elbow	147.33	24.09
		For Galvanized Fittings, Add	*22.24*	
23 21 13 23-0666	EA	4" Plain End Piping System, 45 Degree Elbow	209.78	31.73
		For Galvanized Fittings, Add	*32.44*	
23 21 13 23-0667	EA	5" Plain End Piping System, 45 Degree Elbow	620.94	39.74
		For Galvanized Fittings, Add	*112.27*	
23 21 13 23-0668	EA	6" Plain End Piping System, 45 Degree Elbow	526.04	52.02
		For Galvanized Fittings, Add	*89.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0669	EA	8" Plain End Piping System, 45 Degree Elbow	610.64	61.74
		For Galvanized Fittings, Add	*103.60*	
23 21 13 23-0670	EA	10" Plain End Piping System, 45 Degree Elbow	831.07	72.14
		For Galvanized Fittings, Add	*144.59*	
23 21 13 23-0671	EA	12" Plain End Piping System, 45 Degree Elbow	1,063.86	86.66
		For Galvanized Fittings, Add	*186.79*	
23 21 13 23-0672		**Plain End Piping System, Tees** *(23 21 13 23-0647)*		
23 21 13 23-0673	EA	1" Plain End Piping System, Tee	143.20	12.35
		For Galvanized Fittings, Add	*24.94*	
23 21 13 23-0674	EA	1-1/2" Plain End Piping System, Tee	152.48	18.56
		For Galvanized Fittings, Add	*24.94*	
23 21 13 23-0675	EA	2" Plain End Piping System, Tee	160.66	24.02
		For Galvanized Fittings, Add	*24.94*	
23 21 13 23-0676	EA	2-1/2" Plain End Piping System, Tee	168.81	29.41
		For Galvanized Fittings, Add	*24.94*	
23 21 13 23-0677	EA	3" Plain End Piping System, Tee	233.65	36.14
		For Galvanized Fittings, Add	*35.88*	
23 21 13 23-0678	EA	4" Plain End Piping System, Tee	319.60	46.77
		For Galvanized Fittings, Add	*49.91*	
23 21 13 23-0679	EA	5" Plain End Piping System, Tee	639.85	61.14
		For Galvanized Fittings, Add	*109.63*	
23 21 13 23-0680	EA	6" Plain End Piping System, Tee	791.29	76.55
		For Galvanized Fittings, Add	*135.30*	
23 21 13 23-0681	EA	8" Plain End Piping System, Tee	1,076.99	93.09
		For Galvanized Fittings, Add	*187.47*	
23 21 13 23-0682	EA	10" Plain End Piping System, Tee	1,594.13	108.51
		For Galvanized Fittings, Add	*286.29*	
23 21 13 23-0683	EA	12" Plain End Piping System, Tee	2,131.32	129.99
		For Galvanized Fittings, Add	*387.29*	
23 21 13 23-0684		**Plain End Piping System, Reducing Tees** *(23 21 13 23-0647)*		
23 21 13 23-0685	EA	1-1/2" Plain End Piping System, Reducing Tee	276.27	19.90
		For Galvanized Fittings, Add	*49.29*	
23 21 13 23-0686	EA	2" Plain End Piping System, Reducing Tee	282.42	24.02
		For Galvanized Fittings, Add	*49.29*	
23 21 13 23-0687	EA	2-1/2" Plain End Piping System, Reducing Tee	290.57	29.41
		For Galvanized Fittings, Add	*49.29*	
23 21 13 23-0688	EA	3" Plain End Piping System, Reducing Tee	300.67	36.14
		For Galvanized Fittings, Add	*49.29*	
23 21 13 23-0689	EA	4" Plain End Piping System, Reducing Tee	433.90	46.77
		For Galvanized Fittings, Add	*72.77*	
23 21 13 23-0690	EA	6" Plain End Piping System, Reducing Tee	732.60	76.55
		For Galvanized Fittings, Add	*123.56*	
23 21 13 23-0691	EA	8" Plain End Piping System, Reducing Tee	953.25	93.09
		For Galvanized Fittings, Add	*162.73*	
23 21 13 23-0692	EA	10" Plain End Piping System, Reducing Tee	1,417.02	108.51
		For Galvanized Fittings, Add	*250.87*	
23 21 13 23-0693	EA	12" Plain End Piping System, Reducing Tee	2,080.64	129.99
		For Galvanized Fittings, Add	*377.15*	
23 21 13 23-0694		**Plain End Piping System, Wyes** *(23 21 13 23-0647)*		
23 21 13 23-0695	EA	2" Plain End Piping System, Wye	401.18	24.02
		For Galvanized Fittings, Add	*73.04*	
23 21 13 23-0696	EA	2-1/2" Plain End Piping System, Wye	409.33	29.41
		For Galvanized Fittings, Add	*73.04*	
23 21 13 23-0697	EA	3" Plain End Piping System, Wye	464.74	36.14
		For Galvanized Fittings, Add	*82.10*	
23 21 13 23-0698	EA	4" Plain End Piping System, Wye	679.39	46.77
		For Galvanized Fittings, Add	*121.86*	
23 21 13 23-0699	EA	5" Plain End Piping System, Wye	833.18	61.14
		For Galvanized Fittings, Add	*148.29*	
23 21 13 23-0700	EA	6" Plain End Piping System, Wye	1,135.81	76.55
		For Galvanized Fittings, Add	*204.21*	
23 21 13 23-0701	EA	8" Plain End Piping System, Wye	1,461.92	93.09
		For Galvanized Fittings, Add	*264.46*	
23 21 13 23-0702	EA	10" Plain End Piping System, Wye	2,112.58	108.51
		For Galvanized Fittings, Add	*389.98*	
23 21 13 23-0703	EA	12" Plain End Piping System, Wye	3,200.83	129.99
		For Galvanized Fittings, Add	*601.19*	
23 21 13 23-0704		**Plain End Piping System, Laterals** *(23 21 13 23-0647)*		
23 21 13 23-0705	EA	2" Plain End Piping System, Lateral	427.01	24.02
		For Galvanized Fittings, Add	*78.21*	
23 21 13 23-0706	EA	2-1/2" Plain End Piping System, Lateral	435.16	29.41
		For Galvanized Fittings, Add	*78.21*	
23 21 13 23-0707	EA	3" Plain End Piping System, Lateral	490.39	36.14
		For Galvanized Fittings, Add	*87.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0708	EA	4" Plain End Piping System, Lateral	728.39	46.77
		For Galvanized Fittings, Add	*131.66*	
23 21 13 23-0709	EA	5" Plain End Piping System, Lateral	949.88	61.14
		For Galvanized Fittings, Add	*171.63*	
23 21 13 23-0710	EA	6" Plain End Piping System, Lateral	1,210.89	76.55
		For Galvanized Fittings, Add	*219.22*	
23 21 13 23-0711	EA	8" Plain End Piping System, Lateral	1,737.71	93.09
		For Galvanized Fittings, Add	*319.62*	
23 21 13 23-0712	EA	10" Plain End Piping System, Lateral	2,418.57	108.51
		For Galvanized Fittings, Add	*451.18*	
23 21 13 23-0713	EA	12" Plain End Piping System, Lateral	3,246.31	129.99
		For Galvanized Fittings, Add	*610.28*	

23 21 13 23-0714 Plain End Piping System, Crosses *(23 21 13 23-0647)*

23 21 13 23-0715	EA	2" Plain End Piping System, Cross	478.50	36.00
		For Galvanized Fittings, Add	*53.07*	
23 21 13 23-0716	EA	2-1/2" Plain End Piping System, Cross	490.69	44.08
		For Galvanized Fittings, Add	*53.07*	
23 21 13 23-0717	EA	3" Plain End Piping System, Cross	573.80	54.25
		For Galvanized Fittings, Add	*61.56*	
23 21 13 23-0718	EA	4" Plain End Piping System, Cross	781.62	70.12
		For Galvanized Fittings, Add	*84.56*	
23 21 13 23-0719	EA	5" Plain End Piping System, Cross	1,098.44	91.75
		For Galvanized Fittings, Add	*120.11*	
23 21 13 23-0720	EA	6" Plain End Piping System, Cross	1,440.40	114.50
		For Galvanized Fittings, Add	*158.60*	
23 21 13 23-0721	EA	8" Plain End Piping System, Cross	1,835.57	138.67
		For Galvanized Fittings, Add	*203.46*	
23 21 13 23-0722	EA	10" Plain End Piping System, Cross	2,617.88	162.09
		For Galvanized Fittings, Add	*296.86*	
23 21 13 23-0723	EA	12" Plain End Piping System, Cross	3,716.76	195.02
		For Galvanized Fittings, Add	*428.05*	

23 21 13 23-0724 Plain End Piping System, Adapter Nipples *(23 21 13 23-0647)*

Note: Plain to threaded, plain to beveled or plain to grooved.

23 21 13 23-0725	EA	1" Plain End Piping System, Adapter Nipple	19.42	4.49
		For Galvanized Fittings, Add	*3.17*	
23 21 13 23-0726	EA	1-1/2" Plain End Piping System, Adapter Nipple	22.39	6.21
		For Galvanized Fittings, Add	*3.26*	
23 21 13 23-0727	EA	2" Plain End Piping System, Adapter Nipple	25.34	8.23
		For Galvanized Fittings, Add	*3.26*	
23 21 13 23-0728	EA	2-1/2" Plain End Piping System, Adapter Nipple	30.23	9.95
		For Galvanized Fittings, Add	*3.82*	
23 21 13 23-0729	EA	3" Plain End Piping System, Adapter Nipple	36.82	11.98
		For Galvanized Fittings, Add	*4.72*	
23 21 13 23-0730	EA	4" Plain End Piping System, Adapter Nipple	55.47	15.94
		For Galvanized Fittings, Add	*7.88*	
23 21 13 23-0731	EA	6" Plain End Piping System, Adapter Nipple	115.22	19.98
		For Galvanized Fittings, Add	*21.32*	

23 21 13 23-0732 Plain End Piping System, Reducing (Swaged) Nipples *(23 21 13 23-0647)*

23 21 13 23-0733	EA	1-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple	58.69	10.70
		For Galvanized Fittings, Add	*10.65*	
23 21 13 23-0734	EA	2" x 1" Plain End Piping System, Reducing (Swaged) Nipple	61.69	12.72
		For Galvanized Fittings, Add	*10.65*	
23 21 13 23-0735	EA	2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	64.71	14.75
		For Galvanized Fittings, Add	*10.65*	
23 21 13 23-0736	EA	2-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple	63.98	14.29
		For Galvanized Fittings, Add	*10.65*	
23 21 13 23-0737	EA	2-1/2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	66.93	16.24
		For Galvanized Fittings, Add	*10.65*	
23 21 13 23-0738	EA	2-1/2" x 2" Plain End Piping System, Reducing (Swaged) Nipple	69.92	18.18
		For Galvanized Fittings, Add	*10.65*	
23 21 13 23-0739	EA	3" x 1" Plain End Piping System, Reducing (Swaged) Nipple	76.54	16.46
		For Galvanized Fittings, Add	*12.97*	
23 21 13 23-0740	EA	3" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	79.21	18.18
		For Galvanized Fittings, Add	*12.97*	
23 21 13 23-0741	EA	3" x 2" Plain End Piping System, Reducing (Swaged) Nipple	70.23	20.21
		For Galvanized Fittings, Add	*9.98*	
23 21 13 23-0742	EA	3" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple	76.03	24.09
		For Galvanized Fittings, Add	*9.98*	
23 21 13 23-0743	EA	3-1/2" x 3" Plain End Piping System, Reducing (Swaged) Nipple	86.62	25.97
		For Galvanized Fittings, Add	*11.93*	
23 21 13 23-0744	EA	4" x 1" Plain End Piping System, Reducing (Swaged) Nipple	103.64	20.43
		For Galvanized Fittings, Add	*18.24*	
23 21 13 23-0745	EA	4" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	106.26	22.23
		For Galvanized Fittings, Add	*18.24*	
23 21 13 23-0746	EA	4" x 2" Plain End Piping System, Reducing (Swaged) Nipple	91.58	24.25
		For Galvanized Fittings, Add	*13.81*	
23 21 13 23-0747	EA	4" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple	94.15	25.97
		For Galvanized Fittings, Add	*13.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0748	EA	4" x 3" Plain End Piping System, Reducing (Swaged) Nipple	97.20	27.99
		For Galvanized Fittings, Add	*13.81*	
23 21 13 23-0749	EA	4" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple	100.11	29.94
		For Galvanized Fittings, Add	*13.81*	
23 21 13 23-0750	EA	5" x 2" Plain End Piping System, Reducing (Swaged) Nipple	245.51	28.21
		For Galvanized Fittings, Add	*50.80*	
23 21 13 23-0751	EA	5" x 3" Plain End Piping System, Reducing (Swaged) Nipple	204.68	31.88
		For Galvanized Fittings, Add	*39.21*	
23 21 13 23-0752	EA	5" x 4" Plain End Piping System, Reducing (Swaged) Nipple	182.98	36.00
		For Galvanized Fittings, Add	*32.27*	
23 21 13 23-0753	EA	6" x 1" Plain End Piping System, Reducing (Swaged) Nipple	432.78	30.46
		For Galvanized Fittings, Add	*96.79*	
23 21 13 23-0754	EA	6" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	435.37	32.18
		For Galvanized Fittings, Add	*96.79*	
23 21 13 23-0755	EA	6" x 2" Plain End Piping System, Reducing (Swaged) Nipple	337.61	34.20
		For Galvanized Fittings, Add	*71.59*	
23 21 13 23-0756	EA	6" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple	340.27	36.00
		For Galvanized Fittings, Add	*71.59*	
23 21 13 23-0757	EA	6" x 3" Plain End Piping System, Reducing (Swaged) Nipple	242.45	37.94
		For Galvanized Fittings, Add	*46.40*	
23 21 13 23-0758	EA	6" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple	245.16	39.74
		For Galvanized Fittings, Add	*46.40*	
23 21 13 23-0759	EA	6" x 4" Plain End Piping System, Reducing (Swaged) Nipple	203.52	41.91
		For Galvanized Fittings, Add	*35.19*	
23 21 13 23-0760	EA	6" x 5" Plain End Piping System, Reducing (Swaged) Nipple	230.16	45.87
		For Galvanized Fittings, Add	*40.34*	
23 21 13 23-0761	EA	8" x 3" Plain End Piping System, Reducing (Swaged) Nipple	288.10	42.88
		For Galvanized Fittings, Add	*55.95*	
23 21 13 23-0762	EA	8" x 4" Plain End Piping System, Reducing (Swaged) Nipple	294.15	46.92
		For Galvanized Fittings, Add	*55.95*	
23 21 13 23-0763	EA	8" x 5" Plain End Piping System, Reducing (Swaged) Nipple	330.97	50.97
		For Galvanized Fittings, Add	*63.65*	
23 21 13 23-0764	EA	8" x 6" Plain End Piping System, Reducing (Swaged) Nipple	370.83	56.95
		For Galvanized Fittings, Add	*71.35*	

23 21 13 23-0765 Plain End Piping System, Bull Plugs *(23 21 13 23-0647)*

23 21 13 23-0766	EA	1" Plain End Piping System, Bull Plug	112.60	4.49
		For Galvanized Fittings, Add	*31.76*	
23 21 13 23-0767	EA	1-1/2" Plain End Piping System, Bull Plug	115.22	6.21
		For Galvanized Fittings, Add	*31.76*	
23 21 13 23-0768	EA	2" Plain End Piping System, Bull Plug	118.17	8.23
		For Galvanized Fittings, Add	*31.76*	
23 21 13 23-0769	EA	2-1/2" Plain End Piping System, Bull Plug	120.83	9.95
		For Galvanized Fittings, Add	*31.76*	
23 21 13 23-0770	EA	3" Plain End Piping System, Bull Plug	173.14	11.98
		For Galvanized Fittings, Add	*46.55*	
23 21 13 23-0771	EA	4" Plain End Piping System, Bull Plug	224.38	15.94
		For Galvanized Fittings, Add	*60.13*	
23 21 13 23-0772	EA	5" Plain End Piping System, Bull Plug	384.15	19.98
		For Galvanized Fittings, Add	*106.27*	
23 21 13 23-0773	EA	6" Plain End Piping System, Bull Plug	511.36	25.97
		For Galvanized Fittings, Add	*141.74*	
23 21 13 23-0774	EA	8" Plain End Piping System, Bull Plug	934.62	30.90
		For Galvanized Fittings, Add	*266.47*	
23 21 13 23-0775	EA	10" Plain End Piping System, Bull Plug	1,666.65	36.14
		For Galvanized Fittings, Add	*483.73*	
23 21 13 23-0776	EA	12" Plain End Piping System, Bull Plug	2,544.70	43.40
		For Galvanized Fittings, Add	*743.88*	

23 21 13 23-0777 Carbon Steel Piping Systems *(23 21 13 23)*

23 21 13 23-0778 Class 3,000 LB Carbon Steel Socket Weld Fittings *(23 21 13 23-0777)*

Note: ASTM A105

23 21 13 23-0779 90 Degree Elbows, 3,000 LB Carbon Steel Socket Weld *(23 21 13 23-0778)*

23 21 13 23-0780	EA	1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	27.27	14.82
23 21 13 23-0781	EA	3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	30.65	16.54
23 21 13 23-0782	EA	1" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	38.47	18.48
23 21 13 23-0783	EA	1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	51.42	20.95
23 21 13 23-0784	EA	1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	58.71	23.57
23 21 13 23-0785	EA	2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	79.19	30.01
23 21 13 23-0786	EA	2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	153.42	44.38
23 21 13 23-0787	EA	3" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	217.24	58.37
23 21 13 23-0788	EA	4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	370.19	63.21

23 21 13 23-0789 45 Degree Elbows, 3,000 LB Carbon Steel Socket Weld *(23 21 13 23-0778)*

23 21 13 23-0790	EA	1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	29.52	14.82
23 21 13 23-0791	EA	3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	34.05	16.54
23 21 13 23-0792	EA	1" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	39.51	18.48
23 21 13 23-0793	EA	1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	52.75	20.95
23 21 13 23-0794	EA	1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	61.88	23.57

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0795	EA	2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	79.12	30.01
23 21 13 23-0796	EA	2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	172.83	44.38
23 21 13 23-0797	EA	3" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	233.67	58.37
23 21 13 23-0798	EA	4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	363.08	63.21
23 21 13 23-0799		**Straight Tees, 3,000 LB Carbon Steel Socket Weld** *(23 21 13 23-0778)*		
23 21 13 23-0800	EA	1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	33.52	18.48
23 21 13 23-0801	EA	3/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	40.35	21.32
23 21 13 23-0802	EA	1" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	52.60	25.22
23 21 13 23-0803	EA	1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	69.09	30.01
23 21 13 23-0804	EA	1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	83.59	35.77
23 21 13 23-0805	EA	2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	109.99	44.38
23 21 13 23-0806	EA	2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	192.18	58.37
23 21 13 23-0807	EA	3" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	261.07	69.30
23 21 13 23-0808	EA	4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	488.82	79.81
23 21 13 23-0809		**Reducing Tees, 3,000 LB Carbon Steel Socket Weld** *(23 21 13 23-0778)*		
23 21 13 23-0810	EA	1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	34.13	18.48
23 21 13 23-0811	EA	3/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	40.99	21.32
23 21 13 23-0812	EA	1" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	53.36	25.22
23 21 13 23-0813	EA	1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	70.89	30.01
23 21 13 23-0814	EA	1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	85.71	35.77
23 21 13 23-0815	EA	2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	113.24	44.38
23 21 13 23-0816	EA	2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	199.90	58.37
23 21 13 23-0817	EA	3" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	272.18	69.30
23 21 13 23-0818	EA	4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	449.27	79.81
23 21 13 23-0819		**Straight Couplings, 3,000 LB Carbon Steel Socket Weld** *(23 21 13 23-0778)*		
23 21 13 23-0820	EA	1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	24.50	14.82
23 21 13 23-0821	EA	3/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	27.58	16.54
23 21 13 23-0822	EA	1" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	31.95	18.48
23 21 13 23-0823	EA	1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	36.72	20.95
23 21 13 23-0824	EA	1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	42.57	23.57
23 21 13 23-0825	EA	2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	55.43	30.01
23 21 13 23-0826	EA	2-1/2" Coupling, Straight, Carbon Steel, Socket, Weld, 3,000 LB	92.89	44.38
23 21 13 23-0827	EA	3" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	123.90	58.37
23 21 13 23-0828	EA	4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	167.28	63.21
23 21 13 23-0829		**Reducing Couplings, 3,000 LB Carbon Steel Socket Weld** *(23 21 13 23-0778)*		
23 21 13 23-0830	EA	1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	25.75	14.82
23 21 13 23-0831	EA	3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	28.96	16.54
23 21 13 23-0832	EA	1" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	34.15	18.48
23 21 13 23-0833	EA	1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	39.38	20.95
23 21 13 23-0834	EA	1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	46.51	23.57
23 21 13 23-0835	EA	2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	59.65	30.01
23 21 13 23-0836	EA	2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	102.18	44.38
23 21 13 23-0837	EA	3" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	142.59	58.37
23 21 13 23-0838	EA	4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	206.13	63.21
23 21 13 23-0839		**Caps, 3,000 LB Carbon Steel Socket Weld** *(23 21 13 23-0778)*		
23 21 13 23-0840	EA	1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB	14.08	6.96
23 21 13 23-0841	EA	3/4" Cap, Carbon Steel, Socket Weld, 3,000 LB	15.92	7.41
23 21 13 23-0842	EA	1" Cap, Carbon Steel, Socket Weld, 3,000 LB	18.63	8.53
23 21 13 23-0843	EA	1-1/4" Cap, Carbon Steel, Socket Weld, 3,000 LB	21.48	9.28
23 21 13 23-0844	EA	1-1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB	24.28	9.28
23 21 13 23-0845	EA	2" Cap, Carbon Steel, Socket Weld, 3,000 LB	31.47	11.90
23 21 13 23-0846	EA	2-1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB	54.18	14.82
23 21 13 23-0847	EA	3" Cap, Carbon Steel, Socket Weld, 3,000 LB	77.25	17.89
23 21 13 23-0848	EA	4" Cap, Carbon Steel, Socket Weld, 3,000 LB	111.11	21.63
23 21 13 23-0849		**Black Cast Iron Square Head Plug** *(23 21 13 23-0778)*		
23 21 13 23-0850	EA	1/2" Square Head Plug, Black, Cast Iron	10.60	5.91
23 21 13 23-0851	EA	3/4" Square Head Plug, Black, Cast Iron	13.27	5.91
23 21 13 23-0852	EA	1" Square Head Plug, Black, Cast Iron	18.38	8.98
23 21 13 23-0853	EA	1-1/4" Square Head Plug, Black, Cast Iron	18.91	8.98
23 21 13 23-0854	EA	1-1/2" Square Head Plug, Black, Cast Iron	21.13	8.98
23 21 13 23-0855	EA	2" Square Head Plug, Black, Cast Iron	27.90	11.90
23 21 13 23-0856	EA	2-1/2" Square Head Plug, Black, Cast Iron	36.70	14.82
23 21 13 23-0857	EA	3" Square Head Plug, Black, Cast Iron	50.14	17.89
23 21 13 23-0858	EA	4" Square Head Plug, Black, Cast Iron	59.85	21.63
23 21 13 23-0859		**Unions, 3,000 LB Carbon Steel Socket Weld** *(23 21 13 23-0778)*		
23 21 13 23-0860	EA	1/2" Union, Carbon Steel, Socket Weld, 3,000 LB	40.78	18.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0861	EA	3/4" Union, Carbon Steel, Socket Weld, 3,000 LB	45.38	21.32
23 21 13 23-0862	EA	1" Union, Carbon Steel, Socket Weld, 3,000 LB	57.38	25.22
23 21 13 23-0863	EA	1-1/4" Union, Carbon Steel, Socket Weld, 3,000 LB	71.97	30.01
23 21 13 23-0864	EA	1-1/2" Union, Carbon Steel, Socket Weld, 3,000 LB	86.64	35.77
23 21 13 23-0865	EA	2" Union, Carbon Steel, Socket Weld, 3,000 LB	108.21	44.38
23 21 13 23-0866	EA	2-1/2" Union, Carbon Steel, Socket Weld, 3,000 LB	179.05	48.20
23 21 13 23-0867	EA	3" Union, Carbon Steel, Socket Weld, 3,000 LB	238.84	58.37
23 21 13 23-0868		Class 6,000 LB Carbon Steel Socket Weld Fittings *(23 21 13 23-0777)*		
		Note: ASTM A105		
23 21 13 23-0869		90 Degree Elbow, 6,000 LB Carbon Steel Socket Weld *(23 21 13 23-0868)*		
23 21 13 23-0870	EA	1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	29.98	14.82
23 21 13 23-0871	EA	3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	33.75	16.54
23 21 13 23-0872	EA	1" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	44.18	18.48
23 21 13 23-0873	EA	1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	62.06	20.95
23 21 13 23-0874	EA	1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	71.09	23.57
23 21 13 23-0875	EA	2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	97.38	30.01
23 21 13 23-0876	EA	2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	199.57	44.38
23 21 13 23-0877	EA	3" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	286.13	58.37
23 21 13 23-0878	EA	4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	516.48	63.21
23 21 13 23-0879		45 Degree Elbow, 6,000 LB Carbon Steel Socket Weld *(23 21 13 23-0868)*		
23 21 13 23-0880	EA	1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	33.68	14.82
23 21 13 23-0881	EA	3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	39.28	16.54
23 21 13 23-0882	EA	1" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	46.19	18.48
23 21 13 23-0883	EA	1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	64.84	20.95
23 21 13 23-0884	EA	1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	76.88	23.57
23 21 13 23-0885	EA	2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	98.48	30.01
23 21 13 23-0886	EA	2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	233.03	44.38
23 21 13 23-0887	EA	3" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	316.41	58.37
23 21 13 23-0888	EA	4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	515.02	63.21
23 21 13 23-0889		Straight Tees, 6,000 LB Carbon Steel Socket Weld *(23 21 13 23-0868)*		
23 21 13 23-0890	EA	1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	38.88	18.48
23 21 13 23-0891	EA	3/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	48.11	21.32
23 21 13 23-0892	EA	1" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	66.32	25.22
23 21 13 23-0893	EA	1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	91.46	30.01
23 21 13 23-0894	EA	1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	111.33	35.77
23 21 13 23-0895	EA	2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	150.25	44.38
23 21 13 23-0896	EA	2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	289.10	58.37
23 21 13 23-0897	EA	3" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	406.60	69.30
23 21 13 23-0898	EA	4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	830.73	79.81
23 21 13 23-0899		Reducing Tees, 6,000 LB Carbon Steel Socket Weld *(23 21 13 23-0868)*		
23 21 13 23-0900	EA	1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	34.13	18.48
23 21 13 23-0901	EA	3/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	40.99	21.32
23 21 13 23-0902	EA	1" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	53.36	25.22
23 21 13 23-0903	EA	1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	70.89	30.01
23 21 13 23-0904	EA	1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	85.71	35.77
23 21 13 23-0905	EA	2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	113.24	44.38
23 21 13 23-0906	EA	2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	199.90	58.37
23 21 13 23-0907	EA	3" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	272.18	69.30
23 21 13 23-0908	EA	4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	449.27	79.81
23 21 13 23-0909		Straight Couplings, 6,000 LB Carbon Steel Socket Weld *(23 21 13 23-0868)*		
23 21 13 23-0910	EA	1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	25.63	14.82
23 21 13 23-0911	EA	3/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	28.91	16.54
23 21 13 23-0912	EA	1" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	34.00	18.48
23 21 13 23-0913	EA	1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	39.30	20.95
23 21 13 23-0914	EA	1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	46.04	23.57
23 21 13 23-0915	EA	2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	60.50	30.01
23 21 13 23-0916	EA	2-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	105.65	44.38
23 21 13 23-0917	EA	3" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	141.49	58.37
23 21 13 23-0918	EA	4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	202.37	63.21
23 21 13 23-0919		Reducing Couplings, 6,000 LB Carbon Steel Socket Weld *(23 21 13 23-0868)*		
23 21 13 23-0920	EA	1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	27.48	14.82
23 21 13 23-0921	EA	3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	30.94	16.54
23 21 13 23-0922	EA	1" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	37.24	18.48
23 21 13 23-0923	EA	1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	43.21	20.95
23 21 13 23-0924	EA	1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	51.85	23.57
23 21 13 23-0925	EA	2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	66.70	30.01
23 21 13 23-0926	EA	2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	119.30	44.38

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0927	EA	3" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	169.01	58.37
23 21 13 23-0928	EA	4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	259.60	63.21
23 21 13 23-0929		**Caps, 6,000 LB Carbon Steel Socket Weld** *(23 21 13 23-0868)*		
23 21 13 23-0930	EA	1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB	16.56	6.96
23 21 13 23-0931	EA	3/4" Cap, Carbon Steel, Socket Weld, 6,000 LB	19.16	7.41
23 21 13 23-0932	EA	1" Cap, Carbon Steel, Socket Weld, 6,000 LB	22.55	8.53
23 21 13 23-0933	EA	1-1/4" Cap, Carbon Steel, Socket Weld, 6,000 LB	26.60	9.28
23 21 13 23-0934	EA	1-1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB	31.27	9.28
23 21 13 23-0935	EA	2" Cap, Carbon Steel, Socket Weld, 6,000 LB	40.59	11.90
23 21 13 23-0936	EA	2-1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB	75.66	14.82
23 21 13 23-0937	EA	3" Cap, Carbon Steel, Socket Weld, 6,000 LB	111.09	17.89
23 21 13 23-0938	EA	4" Cap, Carbon Steel, Socket Weld, 6,000 LB	163.87	21.63
23 21 13 23-0939		**Black Cast Iron Square Head Plug** *(23 21 13 23-0868)*		
23 21 13 23-0940	EA	1/2" Square Head Plug, Black Cast Iron	10.61	5.91
23 21 13 23-0941	EA	3/4" Square Head Plug, Black Cast Iron	13.30	5.91
23 21 13 23-0942	EA	1" Square Head Plug, Black Cast Iron	18.40	8.98
23 21 13 23-0943	EA	1-1/4" Square Head Plug, Black Cast Iron	18.94	8.98
23 21 13 23-0944	EA	1-1/2" Square Head Plug, Black Cast Iron	21.17	8.98
23 21 13 23-0945	EA	2" Square Head Plug, Black Cast Iron	27.95	11.90
23 21 13 23-0946	EA	2-1/2" Square Head Plug, Black Cast Iron	36.77	14.82
23 21 13 23-0947	EA	3" Square Head Plug, Black Cast Iron	50.26	17.89
23 21 13 23-0948	EA	4" Square Head Plug, Black Cast Iron	59.99	21.63
23 21 13 23-0949		**Unions, 6,000 LB Carbon Steel Socket Weld** *(23 21 13 23-0868)*		
23 21 13 23-0950	EA	1/2" Union, Carbon Steel, Socket Weld, 6,000 LB	48.76	18.48
23 21 13 23-0951	EA	3/4" Union, Carbon Steel, Socket Weld, 6,000 LB	53.58	21.32
23 21 13 23-0952	EA	1" Union, Carbon Steel, Socket Weld, 6,000 LB	69.35	25.22
23 21 13 23-0953	EA	1-1/4" Union, Carbon Steel, Socket Weld, 6,000 LB	88.50	30.01
23 21 13 23-0954	EA	1-1/2" Union, Carbon Steel, Socket Weld, 6,000 LB	106.81	35.77
23 21 13 23-0955	EA	2" Union, Carbon Steel, Socket Weld, 6,000 LB	133.71	44.38
23 21 13 23-0956	EA	2-1/2" Union, Carbon Steel, Socket Weld, 6,000 LB	244.33	48.20
23 21 13 23-0957	EA	3" Union, Carbon Steel, Socket Weld, 6,000 LB	331.37	58.37
23 21 13 23-0958		**Carbon Steel Piping System** *(23 21 13 23-0777)*		
		Note: ASTM A106 Excludes hangers or fittings. Demolition Note applies to all pipe demolition.		
23 21 13 23-0959		**Schedule 40 Carbon Steel Piping** *(23 21 13 23-0958)*		
		Note: ASTM A106 Excludes hangers, elbow, tee, or reducer fittings.		
23 21 13 23-0960	LF	1/4" ASTM A106 Carbon Steel Pipe, Schedule 40	5.71	2.77
		For Schedule 80, Add	*0.56*	
23 21 13 23-0961	LF	1/2" ASTM A106 Carbon Steel Pipe, Schedule 40	5.95	2.99
		For Schedule 80, Add	*0.51*	
		For Schedule 160, Add	*2.13*	
23 21 13 23-0962	LF	3/4" ASTM A106 Carbon Steel Pipe, Schedule 40	6.56	3.21
		For Schedule 80, Add	*0.63*	
		For Schedule 160, Add	*2.61*	
23 21 13 23-0963	LF	1" ASTM A106 Carbon Steel Pipe, Schedule 40	7.03	3.52
		For Schedule 80, Add	*0.64*	
		For Schedule 160, Add	*2.69*	
23 21 13 23-0964	LF	1-1/2" ASTM A106 Carbon Steel Pipe, Schedule 40	9.15	4.34
		For Schedule 80, Add	*0.95*	
		For Schedule 160, Add	*3.96*	
23 21 13 23-0965	LF	2" ASTM A106 Carbon Steel Pipe, Schedule 40	11.36	5.24
		For Schedule 80, Add	*1.25*	
		For Schedule 160, Add	*5.22*	
23 21 13 23-0966		**90 Degree Elbows, Screwed Carbon Steel** *(23 21 13 23-0958)*		
23 21 13 23-0967	EA	1/4" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	20.27	11.37
23 21 13 23-0968	EA	1/2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	24.36	13.32
23 21 13 23-0969	EA	3/4" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	27.24	14.89
23 21 13 23-0970	EA	1" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	31.12	16.61
23 21 13 23-0971	EA	1-1/2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	47.79	21.25
23 21 13 23-0972	EA	2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	60.57	27.02
23 21 13 23-0973	EA	1/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	21.29	11.37
23 21 13 23-0974	EA	1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	24.75	13.32
23 21 13 23-0975	EA	3/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	28.51	14.89
23 21 13 23-0976	EA	1" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	33.88	16.61
23 21 13 23-0977	EA	1-1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	54.38	21.25
23 21 13 23-0978	EA	2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	67.85	27.02
23 21 13 23-0979	EA	1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	28.33	13.32
23 21 13 23-0980	EA	3/4" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	33.02	14.89
23 21 13 23-0981	EA	1" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	38.62	16.61
23 21 13 23-0982	EA	1-1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	67.70	21.25
23 21 13 23-0983	EA	2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	103.17	27.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0984		**45 Degree Elbows, Screwed Carbon Steel** *(23 21 13 23-0958)*		
23 21 13 23-0985	EA	1/4" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	22.45	11.37
23 21 13 23-0986	EA	1/2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	25.19	13.32
23 21 13 23-0987	EA	3/4" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	28.31	14.89
23 21 13 23-0988	EA	1" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	31.94	16.61
23 21 13 23-0989	EA	1-1/2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	45.16	21.25
23 21 13 23-0990	EA	2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	64.63	27.02
23 21 13 23-0991	EA	1/4" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	22.62	11.37
23 21 13 23-0992	EA	1/2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	26.13	13.32
23 21 13 23-0993	EA	3/4" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	29.39	14.89
23 21 13 23-0994	EA	1" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	34.75	16.61
23 21 13 23-0995	EA	1-1/2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	53.36	21.25
23 21 13 23-0996	EA	2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	70.12	27.02
23 21 13 23-0997	EA	1/2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	30.81	13.32
23 21 13 23-0998	EA	3/4" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	37.48	14.89
23 21 13 23-0999	EA	1" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	40.30	16.61
23 21 13 23-1000	EA	1-1/2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	77.20	21.25
23 21 13 23-1001	EA	2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	103.80	27.02
23 21 13 23-1002		**Straight Tees, Screwed Carbon Steel** *(23 21 13 23-0958)*		
23 21 13 23-1003	EA	1/4" Tee, Straight, 2,000 LB, Screwed Carbon Steel	26.98	15.79
23 21 13 23-1004	EA	1/2" Tee, Straight, 2,000 LB, Screwed Carbon Steel	30.67	16.61
23 21 13 23-1005	EA	3/4" Tee, Straight, 2,000 LB, Screwed Carbon Steel	36.59	19.23
23 21 13 23-1006	EA	1" Tee, Straight, 2,000 LB, Screwed Carbon Steel	44.68	22.67
23 21 13 23-1007	EA	1-1/2" Tee, Straight, 2,000 LB, Screwed Carbon Steel	70.71	32.18
23 21 13 23-1008	EA	2" Tee, Straight, 2,000 LB, Screwed Carbon Steel	87.67	39.96
23 21 13 23-1009	EA	1/4" Tee, Straight, 3,000 LB, Screwed Carbon Steel	27.86	15.79
23 21 13 23-1010	EA	1/2" Tee, Straight, 3,000 LB, Screwed Carbon Steel	31.24	16.61
23 21 13 23-1011	EA	3/4" Tee, Straight, 3,000 LB, Screwed Carbon Steel	38.50	19.23
23 21 13 23-1012	EA	1" Tee, Straight, 3,000 LB, Screwed Carbon Steel	46.32	22.67
23 21 13 23-1013	EA	1-1/2" Tee, Straight, 3,000 LB, Screwed Carbon Steel	76.36	32.18
23 21 13 23-1014	EA	2" Tee, Straight, 3,000 LB, Screwed Carbon Steel	97.02	39.96
23 21 13 23-1015	EA	1/2" Tee, Straight, 6,000 LB, Screwed Carbon Steel	35.54	16.61
23 21 13 23-1016	EA	3/4" Tee, Straight, 6,000 LB, Screwed Carbon Steel	43.11	19.23
23 21 13 23-1017	EA	1" Tee, Straight, 6,000 LB, Screwed Carbon Steel	57.74	22.67
23 21 13 23-1018	EA	1-1/2" Tee, Straight, 6,000 LB, Screwed Carbon Steel	89.33	32.18
23 21 13 23-1019	EA	2" Tee, Straight, 6,000 LB, Screwed Carbon Steel	138.38	39.96
23 21 13 23-1020		**Crosses, Screwed Carbon Steel** *(23 21 13 23-0958)*		
23 21 13 23-1021	EA	1/4" Cross, 2,000 LB, Screwed Carbon Steel	39.92	19.98
23 21 13 23-1022	EA	1/2" Cross, 2,000 LB, Screwed Carbon Steel	46.95	22.45
23 21 13 23-1023	EA	3/4" Cross, 2,000 LB, Screwed Carbon Steel	50.41	23.94
23 21 13 23-1024	EA	1" Cross, 2,000 LB, Screwed Carbon Steel	62.21	28.89
23 21 13 23-1025	EA	1-1/2" Cross, 2,000 LB, Screwed Carbon Steel	106.08	40.41
23 21 13 23-1026	EA	2" Cross, 2,000 LB, Screwed Carbon Steel	136.44	49.92
23 21 13 23-1027	EA	1/2" Cross, 3,000 LB, Screwed Carbon Steel	48.02	22.45
23 21 13 23-1028	EA	3/4" Cross, 3,000 LB, Screwed Carbon Steel	56.58	23.94
23 21 13 23-1029	EA	1" Cross, 3,000 LB, Screwed Carbon Steel	67.60	28.89
23 21 13 23-1030	EA	1-1/2" Cross, 3,000 LB, Screwed Carbon Steel	113.87	40.41
23 21 13 23-1031	EA	2" Cross, 3,000 LB, Screwed Carbon Steel	150.68	49.92
23 21 13 23-1032	EA	1/2" Cross, 6,000 LB, Screwed Carbon Steel	68.14	22.45
23 21 13 23-1033	EA	3/4" Cross, 6,000 LB, Screwed Carbon Steel	111.49	23.94
23 21 13 23-1034	EA	1" Cross, 6,000 LB, Screwed Carbon Steel	152.23	28.89
23 21 13 23-1035	EA	1-1/2" Cross, 6,000 LB, Screwed Carbon Steel	239.71	40.41
23 21 13 23-1036	EA	2" Cross, 6,000 LB, Screwed Carbon Steel	263.83	49.92
23 21 13 23-1037		**Straight Couplings, Screwed Carbon Steel** *(23 21 13 23-0958)*		
23 21 13 23-1038	EA	1/4" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	18.99	11.37
23 21 13 23-1039	EA	1/2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	21.73	13.32
23 21 13 23-1040	EA	3/4" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	24.80	14.89
23 21 13 23-1041	EA	1" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	28.65	16.61
23 21 13 23-1042	EA	1-1/2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	41.15	21.25
23 21 13 23-1043	EA	2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	52.23	27.02
23 21 13 23-1044	EA	1/4" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	21.57	11.37
23 21 13 23-1045	EA	1/2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	23.37	13.32
23 21 13 23-1046	EA	3/4" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	26.05	14.89
23 21 13 23-1047	EA	1" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	30.32	16.61
23 21 13 23-1048	EA	1-1/2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	43.71	21.25
23 21 13 23-1049	EA	2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	61.55	27.02
23 21 13 23-1050		**Reducing Couplings, Screwed Carbon Steel** *(23 21 13 23-0958)*		
23 21 13 23-1051	EA	1/4" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	19.35	12.13
23 21 13 23-1052	EA	1/2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	22.58	13.32
23 21 13 23-1053	EA	3/4" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	26.09	14.89

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1054	EA	1" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	30.44	16.61
23 21 13 23-1055	EA	1-1/2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	41.62	21.25
23 21 13 23-1056	EA	2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	54.74	27.02
23 21 13 23-1057	EA	1/2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	55.60	13.32
23 21 13 23-1058	EA	3/4" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	57.99	14.89
23 21 13 23-1059	EA	1" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	67.63	16.61
23 21 13 23-1060	EA	1-1/2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	96.63	21.25
23 21 13 23-1061	EA	2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	138.00	27.02
23 21 13 23-1062		**Caps, Screwed Carbon Steel** *(23 21 13 23-0958)*		
23 21 13 23-1063	EA	1/4" Cap, 3,000 LB, Screwed Carbon Steel	5.68	2.77
23 21 13 23-1064	EA	1/2" Cap, 3,000 LB, Screwed Carbon Steel	6.31	3.14
23 21 13 23-1065	EA	3/4" Cap, 3,000 LB, Screwed Carbon Steel	7.65	3.60
23 21 13 23-1066	EA	1" Cap, 3,000 LB, Screwed Carbon Steel	9.76	4.19
23 21 13 23-1067	EA	1-1/2" Cap, 3,000 LB, Screwed Carbon Steel	13.12	5.02
23 21 13 23-1068	EA	2" Cap, 3,000 LB, Screwed Carbon Steel	18.14	6.21
23 21 13 23-1069	EA	1/4" Cap, 6,000 LB, Screwed Carbon Steel	8.77	2.77
23 21 13 23-1070	EA	1/2" Cap, 6,000 LB, Screwed Carbon Steel	8.30	3.14
23 21 13 23-1071	EA	3/4" Cap, 6,000 LB, Screwed Carbon Steel	10.88	3.60
23 21 13 23-1072	EA	1" Cap, 6,000 LB, Screwed Carbon Steel	12.12	4.19
23 21 13 23-1073	EA	1-1/2" Cap, 6,000 LB, Screwed Carbon Steel	22.74	5.02
23 21 13 23-1074	EA	2" Cap, 6,000 LB, Screwed Carbon Steel	27.50	6.21
23 21 13 23-1075		**Nipples, Screwed Carbon Steel** *(23 21 13 23-0958)*		
23 21 13 23-1076	EA	1/4" Nipple, 2" Long, Screwed Carbon Steel	11.65	6.81
23 21 13 23-1077	EA	1/2" Nipple, 2" Long, Screwed Carbon Steel	11.86	7.11
23 21 13 23-1078	EA	3/4" Nipple, 2" Long, Screwed Carbon Steel	11.79	7.11
23 21 13 23-1079	EA	1" Nipple, 2" Long, Screwed Carbon Steel	13.08	7.71
23 21 13 23-1080	EA	1-1/2" Nipple, 2" Long, Screwed Carbon Steel	14.83	8.31
23 21 13 23-1081	EA	2" Nipple, 2" Long, Screwed Carbon Steel	17.88	10.70
23 21 13 23-1082	EA	1/4" Nipple, 4" Long, Screwed Carbon Steel	12.24	6.81
23 21 13 23-1083	EA	1/2" Nipple, 4" Long, Screwed Carbon Steel	12.33	7.11
23 21 13 23-1084	EA	3/4" Nipple, 4" Long, Screwed Carbon Steel	12.32	7.11
23 21 13 23-1085	EA	1" Nipple, 4" Long, Screwed Carbon Steel	13.79	7.71
23 21 13 23-1086	EA	1-1/2" Nipple, 4" Long, Screwed Carbon Steel	16.11	8.31
23 21 13 23-1087	EA	2" Nipple, 4" Long, Screwed Carbon Steel	19.75	10.70
23 21 13 23-1088	EA	1/4" Nipple, 6" Long, Screwed Carbon Steel	13.66	6.81
23 21 13 23-1089	EA	1/2" Nipple, 6" Long, Screwed Carbon Steel	13.08	7.11
23 21 13 23-1090	EA	3/4" Nipple, 6" Long, Screwed Carbon Steel	13.15	7.11
23 21 13 23-1091	EA	1" Nipple, 6" Long, Screwed Carbon Steel	14.82	7.71
23 21 13 23-1092	EA	1-1/2" Nipple, 6" Long, Screwed Carbon Steel	17.85	8.31
23 21 13 23-1093	EA	2" Nipple, 6" Long, Screwed Carbon Steel	21.29	10.70
23 21 13 23-1094		**Unions, Screwed Carbon Steel** *(23 21 13 23-0958)*		
23 21 13 23-1095	EA	1/4" Union, 3,000 LB, Screwed Carbon Steel	24.54	16.54
23 21 13 23-1096	EA	1/2" Union, 3,000 LB, Screwed Carbon Steel	25.96	16.61
23 21 13 23-1097	EA	3/4" Union, 3,000 LB, Screwed Carbon Steel	29.83	19.23
23 21 13 23-1098	EA	1" Union, 3,000 LB, Screwed Carbon Steel	35.54	22.67
23 21 13 23-1099	EA	1-1/2" Union, 3,000 LB, Screwed Carbon Steel	50.83	32.18
23 21 13 23-1100	EA	2" Union, 3,000 LB, Screwed Carbon Steel	63.10	39.96
23 21 13 23-1101	EA	1/4" Union, 6,000 LB, Screwed Carbon Steel	38.24	16.54
23 21 13 23-1102	EA	1/2" Union, 6,000 LB, Screwed Carbon Steel	42.52	16.61
23 21 13 23-1103	EA	3/4" Union, 6,000 LB, Screwed Carbon Steel	49.88	19.23
23 21 13 23-1104	EA	1" Union, 6,000 LB, Screwed Carbon Steel	60.25	22.67
23 21 13 23-1105	EA	1-1/2" Union, 6,000 LB, Screwed Carbon Steel	101.37	32.18
23 21 13 23-1106	EA	2" Union, 6,000 LB, Screwed Carbon Steel	125.29	39.96
23 21 13 23-1107		**Weld Neck Flanges, Screwed Carbon Steel** *(23 21 13 23-0958)*		
23 21 13 23-1108	EA	1/2" Flange, 150 LB, Screwed Carbon Steel	53.66	30.90
23 21 13 23-1109	EA	3/4" Flange, 150 LB, Screwed Carbon Steel	56.14	32.40
23 21 13 23-1110	EA	1" Flange, 150 LB, Screwed Carbon Steel	58.25	33.82
23 21 13 23-1111	EA	1-1/2" Flange, 150 LB, Screwed Carbon Steel	64.90	38.10
23 21 13 23-1112	EA	2" Flange, 150 LB, Screwed Carbon Steel	67.40	39.74
23 21 13 23-1113	EA	1/2" Flange, 300 LB, Screwed Carbon Steel	54.12	30.90
		For Ring Type Joint, Add	*7.75*	
		For Blind Flange, Deduct	*-20.10*	
23 21 13 23-1114	EA	3/4" Flange, 300 LB, Screwed Carbon Steel	56.63	32.40
		For Ring Type Joint, Add	*8.01*	
		For Blind Flange, Deduct	*-21.05*	
23 21 13 23-1115	EA	1" Flange, 300 LB, Screwed Carbon Steel	58.99	33.82
		For Ring Type Joint, Add	*8.26*	
		For Blind Flange, Deduct	*-21.94*	
23 21 13 23-1116	EA	1-1/2" Flange, 300 LB, Screwed Carbon Steel	66.68	38.10
		For Ring Type Joint, Add	*9.56*	
		For Blind Flange, Deduct	*-24.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1117	EA	2" Flange, 300 LB, Screwed Carbon Steel	69.18	39.74
		For Ring Type Joint, Add	*9.56*	
		For Blind Flange, Deduct	*-25.76*	
23 21 13 23-1118	EA	1/2" Flange, 600 LB, Screwed Carbon Steel	57.16	30.90
		For Ring Type Joint, Add	*10.79*	
		For Blind Flange, Deduct	*-20.71*	
23 21 13 23-1119	EA	3/4" Flange, 600 LB, Screwed Carbon Steel	59.41	32.40
		For Ring Type Joint, Add	*10.79*	
		For Blind Flange, Deduct	*-21.61*	
23 21 13 23-1120	EA	1" Flange, 600 LB, Screwed Carbon Steel	62.02	33.82
		For Ring Type Joint, Add	*11.29*	
		For Blind Flange, Deduct	*-22.55*	
23 21 13 23-1121	EA	1-1/2" Flange, 600 LB, Screwed Carbon Steel	70.42	38.10
		For Ring Type Joint, Add	*13.30*	
		For Blind Flange, Deduct	*-25.51*	
23 21 13 23-1122	EA	2" Flange, 600 LB, Screwed Carbon Steel	72.00	39.74
		For Ring Type Joint, Add	*12.38*	
		For Blind Flange, Deduct	*-26.32*	

23 21 13 23-1123 Square Head Plugs, Screwed Carbon Steel *(23 21 13 23-0958)*

23 21 13 23-1124	EA	1/4" Square Head Plug, Screwed Carbon Steel	4.68	2.10
23 21 13 23-1125	EA	1/2" Square Head Plug, Screwed Carbon Steel	5.59	2.47
23 21 13 23-1126	EA	3/4" Square Head Plug, Screwed Carbon Steel	6.57	2.84
23 21 13 23-1127	EA	1" Square Head Plug, Screwed Carbon Steel	9.54	4.19
23 21 13 23-1128	EA	1-1/2" Square Head Plug, Screwed Carbon Steel	13.57	4.19
23 21 13 23-1129	EA	2" Square Head Plug, Screwed Carbon Steel	20.33	5.46

23 21 13 23-1130 Hex Head Plugs, Screwed Carbon Steel *(23 21 13 23-0958)*

23 21 13 23-1131	EA	1/4" Hex Head Plug, Screwed Carbon Steel	3.64	2.10
23 21 13 23-1132	EA	1/2" Hex Head Plug, Screwed Carbon Steel	4.40	2.47
23 21 13 23-1133	EA	3/4" Hex Head Plug, Screwed Carbon Steel	5.18	2.84
23 21 13 23-1134	EA	1" Hex Head Plug, Screwed Carbon Steel	7.61	4.19
23 21 13 23-1135	EA	1-1/2" Hex Head Plug, Screwed Carbon Steel	9.11	4.19
23 21 13 23-1136	EA	2" Hex Head Plug, Screwed Carbon Steel	13.87	5.46

23 21 13 23-1137 Round Head Plugs, Screwed Carbon Steel *(23 21 13 23-0958)*

23 21 13 23-1138	EA	1/4" Round Head Plug, Screwed Carbon Steel	4.22	2.10
23 21 13 23-1139	EA	1/2" Round Head Plug, Screwed Carbon Steel	4.59	2.47
23 21 13 23-1140	EA	3/4" Round Head Plug, Screwed Carbon Steel	5.21	2.84
23 21 13 23-1141	EA	1" Round Head Plug, Screwed Carbon Steel	7.77	4.19
23 21 13 23-1142	EA	1-1/2" Round Head Plug, Screwed Carbon Steel	10.00	4.19
23 21 13 23-1143	EA	2" Round Head Plug, Screwed Carbon Steel	13.76	5.46

23 21 13 23-1144 Hexagon Bushings, Screwed Carbon Steel *(23 21 13 23-0958)*

23 21 13 23-1145	EA	1/4" Hex Bushing, Screwed Carbon Steel	3.77	2.10
23 21 13 23-1146	EA	1/2" Hex Bushing, Screwed Carbon Steel	4.39	2.47
23 21 13 23-1147	EA	3/4" Hex Bushing, Screwed Carbon Steel	5.13	2.84
23 21 13 23-1148	EA	1" Hex Bushing, Screwed Carbon Steel	7.74	4.19
23 21 13 23-1149	EA	1-1/2" Hex Bushing, Screwed Carbon Steel	9.08	4.19
23 21 13 23-1150	EA	2" Hex Bushing, Screwed Carbon Steel	13.45	5.46

23 21 13 23-1151 90 Degree Street Elbows, Screwed Carbon Steel *(23 21 13 23-0958)*

23 21 13 23-1152	EA	1/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	23.54	11.37
23 21 13 23-1153	EA	1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	26.94	13.32
23 21 13 23-1154	EA	3/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	31.32	14.89
23 21 13 23-1155	EA	1" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	36.44	16.61
23 21 13 23-1156	EA	1-1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	56.44	21.25
23 21 13 23-1157	EA	2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	75.57	27.02
23 21 13 23-1158	EA	1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	36.30	13.32
23 21 13 23-1159	EA	3/4" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	50.36	14.89
23 21 13 23-1160	EA	1" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	68.29	16.61
23 21 13 23-1161	EA	1-1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	144.05	21.25

23 21 13 23-1162 Screwed Carbon Steel Laterals *(23 21 13 23-0958)*

23 21 13 23-1163	EA	1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	89.43	16.61
23 21 13 23-1164	EA	3/4" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	107.28	19.23
23 21 13 23-1165	EA	1" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	131.02	22.67
23 21 13 23-1166	EA	1-1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	169.39	32.18
23 21 13 23-1167	EA	2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	211.26	39.96
23 21 13 23-1168	EA	1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	111.29	16.61
23 21 13 23-1169	EA	3/4" Lateral, Straight, 6,000 LB, Screwed Carbon Steel	139.80	19.23
23 21 13 23-1170	EA	1" Lateral, Straight, 6,000 LB, Screwed Carbon Steel	165.79	22.67
23 21 13 23-1171	EA	1-1/2" Lateral, Straight, 6,000 LB, Screwed Carbon Steel	233.31	32.18

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1172		**Grooved-Joint Pipe** *(23 21 13 23)*		
		Note: Includes grooving of pipe. Excludes hangers, elbow, tee, reducer fitting or couplings.		
23 21 13 23-1173		**Schedule 10 Black Grooved Pipe** *(23 21 13 23-1172)*		
23 21 13 23-1174	LF	2" Black Schedule 10 Grooved Pipe	17.92	9.51
23 21 13 23-1175	LF	2-1/2" Black Schedule 10 Grooved Pipe	24.34	13.02
23 21 13 23-1176	LF	3" Black Schedule 10 Grooved Pipe	27.21	14.44
23 21 13 23-1177	LF	3-1/2" Black Schedule 10 Grooved Pipe	29.58	14.97
23 21 13 23-1178	LF	4" Black Schedule 10 Grooved Pipe	31.61	16.24
23 21 13 23-1179	LF	5" Black Schedule 10 Grooved Pipe	42.61	19.90
23 21 13 23-1180	LF	6" Black Schedule 10 Grooved Pipe	56.70	28.28
23 21 13 23-1181	LF	8" Black Schedule 10 Grooved Pipe	72.83	31.73
23 21 13 23-1182	LF	10" Black Schedule 10 Grooved Pipe	90.29	38.24
23 21 13 23-1183	LF	12" Black Schedule 10 Grooved Pipe	103.64	43.33
23 21 13 23-1184		**Schedule 40 Black Grooved Pipe** *(23 21 13 23-1172)*		
23 21 13 23-1185	LF	3/4" Black Schedule 40 Grooved Pipe	10.78	5.76
23 21 13 23-1186	LF	1" Black Schedule 40 Grooved Pipe	12.17	6.51
23 21 13 23-1187	LF	1-1/4" Black Schedule 40 Grooved Pipe	13.63	7.03
23 21 13 23-1188	LF	1-1/2" Black Schedule 40 Grooved Pipe	15.50	8.01
23 21 13 23-1189	LF	2" Black Schedule 40 Grooved Pipe	19.61	10.17
23 21 13 23-1190	LF	2-1/2" Black Schedule 40 Grooved Pipe	27.14	13.92
23 21 13 23-1191	LF	3" Black Schedule 40 Grooved Pipe	31.65	15.86
23 21 13 23-1192	LF	4" Black Schedule 40 Grooved Pipe	37.60	17.66
23 21 13 23-1193	LF	5" Black Schedule 40 Grooved Pipe	49.86	21.48
23 21 13 23-1194	LF	6" Black Schedule 40 Grooved Pipe	68.46	30.98
23 21 13 23-1195	LF	8" Black Schedule 40 Grooved Pipe	86.88	35.09
23 21 13 23-1196	LF	10" Black Schedule 40 Grooved Pipe	115.40	41.91
23 21 13 23-1197	LF	12" Black Schedule 40 Grooved Pipe	135.11	48.12
23 21 13 23-1198	LF	14" Black Schedule 40 Grooved Pipe	179.30	65.03
23 21 13 23-1199	LF	16" Black Schedule 40 Grooved Pipe	208.72	76.48
23 21 13 23-1200	LF	18" Black Schedule 40 Grooved Pipe	257.73	92.87
23 21 13 23-1201	LF	20" Black Schedule 40 Grooved Pipe	298.02	108.29
23 21 13 23-1202	LF	24" Black Schedule 40 Grooved Pipe	381.83	129.99
23 21 13 23-1203		**Schedule 80 Black Grooved Pipe** *(23 21 13 23-1172)*		
23 21 13 23-1204	LF	3/4" Black Schedule 80 Grooved Pipe	11.81	6.29
23 21 13 23-1205	LF	1" Black Schedule 80 Grooved Pipe	12.92	6.66
23 21 13 23-1206	LF	1-1/4" Black Schedule 80 Grooved Pipe	14.88	7.41
23 21 13 23-1207	LF	1-1/2" Black Schedule 80 Grooved Pipe	16.86	8.31
23 21 13 23-1208	LF	2" Black Schedule 80 Grooved Pipe	21.78	10.70
23 21 13 23-1209	LF	2-1/2" Black Schedule 80 Grooved Pipe	30.42	14.75
23 21 13 23-1210	LF	3" Black Schedule 80 Grooved Pipe	35.61	16.54
23 21 13 23-1211	LF	4" Black Schedule 80 Grooved Pipe	42.90	18.04
23 21 13 23-1212	LF	5" Black Schedule 80 Grooved Pipe	62.24	22.67
23 21 13 23-1213	LF	6" Black Schedule 80 Grooved Pipe	82.99	32.47
23 21 13 23-1214	LF	8" Black Schedule 80 Grooved Pipe	116.48	37.12
23 21 13 23-1215	LF	10" Black Schedule 80 Grooved Pipe	144.04	44.82
23 21 13 23-1216	LF	12" Black Schedule 80 Grooved Pipe	156.38	54.18
23 21 13 23-1217		**Schedule 40 Galvanized Grooved Pipe** *(23 21 13 23-1172)*		
23 21 13 23-1218	LF	3/4" Galvanized Schedule 40 Grooved Pipe	11.35	5.76
23 21 13 23-1219	LF	1" Galvanized Schedule 40 Grooved Pipe	13.06	6.51
23 21 13 23-1220	LF	1-1/4" Galvanized Schedule 40 Grooved Pipe	14.48	7.03
23 21 13 23-1221	LF	1-1/2" Galvanized Schedule 40 Grooved Pipe	16.47	8.01
23 21 13 23-1222	LF	2" Galvanized Schedule 40 Grooved Pipe	20.86	10.17
23 21 13 23-1223	LF	2-1/2" Galvanized Schedule 40 Grooved Pipe	29.05	13.92
23 21 13 23-1224	LF	3" Galvanized Schedule 40 Grooved Pipe	34.14	15.86
23 21 13 23-1225	LF	4" Galvanized Schedule 40 Grooved Pipe	41.12	17.66
23 21 13 23-1226	LF	5" Galvanized Schedule 40 Grooved Pipe	56.03	21.48
23 21 13 23-1227	LF	6" Galvanized Schedule 40 Grooved Pipe	76.60	30.98
23 21 13 23-1228	LF	8" Galvanized Schedule 40 Grooved Pipe	98.62	35.09
23 21 13 23-1229	LF	10" Galvanized Schedule 40 Grooved Pipe	135.06	41.91
23 21 13 23-1230	LF	12" Galvanized Schedule 40 Grooved Pipe	158.83	48.12
23 21 13 23-1231		**Schedule 80 Galvanized Grooved Pipe** *(23 21 13 23-1172)*		
23 21 13 23-1232	LF	3/4" Galvanized Schedule 80 Grooved Pipe	12.26	6.29
23 21 13 23-1233	LF	1" Galvanized Schedule 80 Grooved Pipe	15.19	6.66
23 21 13 23-1234	LF	1-1/4" Galvanized Schedule 80 Grooved Pipe	15.70	7.41
23 21 13 23-1235	LF	1-1/2" Galvanized Schedule 80 Grooved Pipe	20.11	8.83
23 21 13 23-1236	LF	2" Galvanized Schedule 80 Grooved Pipe	23.10	10.70
23 21 13 23-1237	LF	2-1/2" Galvanized Schedule 80 Grooved Pipe	32.46	14.75
23 21 13 23-1238	LF	3" Galvanized Schedule 80 Grooved Pipe	38.44	16.54
23 21 13 23-1239	LF	4" Galvanized Schedule 80 Grooved Pipe	46.94	18.04
23 21 13 23-1240	LF	5" Galvanized Schedule 80 Grooved Pipe	68.33	22.67
23 21 13 23-1241	LF	6" Galvanized Schedule 80 Grooved Pipe	90.17	32.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1242	LF	8" Galvanized Schedule 80 Grooved Pipe	128.85	37.12
23 21 13 23-1243	LF	10" Galvanized Schedule 80 Grooved Pipe	153.69	44.82
23 21 13 23-1244	LF	12" Galvanized Schedule 80 Grooved Pipe	171.27	54.18
23 21 13 23-1245		Painted Grooved-Joint Pipe Fittings *(23 21 13 23)*		
		Note: Couplings are not included with fittings.		
23 21 13 23-1246		Grooved Elbows *(23 21 13 23-1245)*		
23 21 13 23-1247		90 Degree Grooved Elbows *(23 21 13 23-1246)*		
		Note: Victaulic No. 10		
23 21 13 23-1248	EA	3/4" 90 Degree Elbow, Ductile Iron, Grooved	41.56	8.16
		For Galvanized Fittings, Add	*9.68*	
23 21 13 23-1249	EA	1" 90 Degree Elbow, Ductile Iron, Grooved	41.56	8.16
		For Galvanized Fittings, Add	*9.68*	
23 21 13 23-1250	EA	1-1/4" 90 Degree Elbow, Ductile Iron, Grooved	44.61	10.17
		For Galvanized Fittings, Add	*9.68*	
23 21 13 23-1251	EA	1-1/2" 90 degree Elbow, Ductile Iron, Grooved	47.85	12.35
		For Galvanized Fittings, Add	*9.68*	
23 21 13 23-1252	EA	2" 90 Degree Elbow, Ductile Iron, Grooved	53.79	16.32
		For Galvanized Fittings, Add	*9.68*	
23 21 13 23-1253	EA	2-1/2" 90 Degree Elbow, Ductile Iron, Grooved	59.13	19.90
		For Galvanized Fittings, Add	*9.68*	
23 21 13 23-1254	EA	3" 90 Degree Elbow, Ductile Iron, Grooved	88.22	24.09
		For Galvanized Fittings, Add	*17.20*	
23 21 13 23-1255	EA	4" 90 Degree Elbow, Ductile Iron, Grooved	104.41	31.81
		For Galvanized Fittings, Add	*18.73*	
23 21 13 23-1256	EA	5" 90 Degree Elbow, Ductile Iron, Grooved	197.72	39.74
		For Galvanized Fittings, Add	*45.59*	
23 21 13 23-1257	EA	6" 90 Degree Elbow, Ductile Iron, Grooved	238.50	52.02
		For Galvanized Fittings, Add	*52.98*	
23 21 13 23-1258	EA	8" 90 Degree Elbow, Ductile Iron, Grooved	430.69	61.89
		For Galvanized Fittings, Add	*111.50*	
23 21 13 23-1259	EA	10" 90 Degree Elbow, Ductile Iron, Grooved	634.71	72.22
		For Galvanized Fittings, Add	*173.73*	
23 21 13 23-1260	EA	12" 90 Degree Elbow, Ductile Iron, Grooved	973.73	86.66
		For Galvanized Fittings, Add	*278.45*	
23 21 13 23-1261	EA	14" 90 Degree Elbow, Steel, Grooved	1,901.49	97.81
		For Galvanized Fittings, Add	*579.09*	
23 21 13 23-1262	EA	16" 90 Degree Elbow, Steel, Grooved	2,458.58	108.29
		For Galvanized Fittings, Add	*757.74*	
23 21 13 23-1263	EA	18" 90 Degree Elbow, Steel, Grooved	3,089.59	118.31
		For Galvanized Fittings, Add	*961.04*	
23 21 13 23-1264	EA	20" 90 Degree Elbow, Steel, Grooved	4,011.48	123.03
		For Galvanized Fittings, Add	*1,262.90*	
23 21 13 23-1265	EA	24" 90 Degree Elbow, Steel, Grooved	5,725.17	145.48
		For Galvanized Fittings, Add	*1,817.35*	
23 21 13 23-1266		45 Degree Grooved Elbows *(23 21 13 23-1246)*		
		Note: Victaulic No. 11		
23 21 13 23-1267	EA	3/4" 45 Degree Elbow, Ductile Iron, Grooved	41.54	8.16
		For Galvanized Fittings, Add	*7.03*	
23 21 13 23-1268	EA	1" 45 Degree Elbow, Ductile Iron, Grooved	41.54	8.16
		For Galvanized Fittings, Add	*7.03*	
23 21 13 23-1269	EA	1-1/4" 45 Degree Elbow, Ductile Iron, Grooved	44.59	10.17
		For Galvanized Fittings, Add	*7.03*	
23 21 13 23-1270	EA	1-1/2" 45 degree Elbow, Ductile Iron, Grooved	47.83	12.35
		For Galvanized Fittings, Add	*7.03*	
23 21 13 23-1271	EA	2" 45 Degree Elbow, Ductile Iron, Grooved	53.77	16.32
		For Galvanized Fittings, Add	*7.03*	
23 21 13 23-1272	EA	2-1/2" 45 Degree Elbow, Ductile Iron, Grooved	59.11	19.90
		For Galvanized Fittings, Add	*7.03*	
23 21 13 23-1273	EA	3" 45 Degree Elbow, Ductile Iron, Grooved	88.19	24.09
		For Galvanized Fittings, Add	*12.50*	
23 21 13 23-1274	EA	4" 45 Degree Elbow, Ductile Iron, Grooved	104.41	31.81
		For Galvanized Fittings, Add	*13.62*	
23 21 13 23-1275	EA	5" 45 Degree Elbow, Ductile Iron, Grooved	197.72	39.74
		For Galvanized Fittings, Add	*33.15*	
23 21 13 23-1276	EA	6" 45 Degree Elbow, Ductile Iron, Grooved	238.50	52.02
		For Galvanized Fittings, Add	*38.53*	
23 21 13 23-1277	EA	8" 45 Degree Elbow, Ductile Iron, Grooved	430.69	61.89
		For Galvanized Fittings, Add	*81.09*	
23 21 13 23-1278	EA	10" 45 Degree Elbow, Ductile Iron, Grooved	634.71	72.22
		For Galvanized Fittings, Add	*126.35*	
23 21 13 23-1279	EA	12" 45 Degree Elbow, Ductile Iron, Grooved	973.73	86.66
		For Galvanized Fittings, Add	*202.51*	
23 21 13 23-1280	EA	14" 45 Degree Elbow, Steel, Grooved	1,901.49	97.81
		For Galvanized Fittings, Add	*421.15*	
23 21 13 23-1281	EA	16" 45 Degree Elbow, Steel, Grooved	2,458.58	108.29
		For Galvanized Fittings, Add	*551.09*	
23 21 13 23-1282	EA	18" 45 Degree Elbow, Steel, Grooved	3,089.59	118.31
		For Galvanized Fittings, Add	*698.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1283	EA	20" 45 Degree Elbow, Steel, Grooved	4,011.81	123.25
		For Galvanized Fittings, Add	*918.48*	
23 21 13 23-1284	EA	24" 45 Degree Elbow, Steel, Grooved	5,725.17	145.48
		For Galvanized Fittings, Add	*1,321.71*	
23 21 13 23-1285		22-1/2 Degree Grooved Elbows *(23 21 13 23-1246)*		
		Note: Victaulic No. 12		
23 21 13 23-1286	EA	1" 22-1/2 Degree Elbow, Ductile Iron, Grooved	43.47	8.16
		For Galvanized Fittings, Add	*7.50*	
23 21 13 23-1287	EA	1-1/4" 22-1/2 Degree Elbow, Ductile Iron, Grooved	46.52	10.17
		For Galvanized Fittings, Add	*7.50*	
23 21 13 23-1288	EA	1-1/2" 22-1/2 Degree Elbow, Ductile Iron, Grooved	49.76	12.35
		For Galvanized Fittings, Add	*7.50*	
23 21 13 23-1289	EA	2" 22-1/2 Degree Elbow, Ductile Iron, Grooved	55.70	16.32
		For Galvanized Fittings, Add	*7.50*	
23 21 13 23-1290	EA	2-1/2" 22-1/2 Degree Elbow, Ductile Iron, Grooved	61.04	19.90
		For Galvanized Fittings, Add	*7.50*	
23 21 13 23-1291	EA	3" 22-1/2 Degree Elbow, Ductile Iron, Grooved	81.80	24.09
		For Galvanized Fittings, Add	*10.97*	
23 21 13 23-1292	EA	4" 22-1/2 Degree Elbow, Ductile Iron, Grooved	108.93	31.81
		For Galvanized Fittings, Add	*14.70*	
23 21 13 23-1293	EA	5" 22-1/2 Degree Elbow, Steel, Grooved	249.57	39.74
		For Galvanized Fittings, Add	*45.60*	
23 21 13 23-1294	EA	6" 22-1/2 Degree Elbow, Ductile Iron, Grooved	251.52	52.02
		For Galvanized Fittings, Add	*41.66*	
23 21 13 23-1295	EA	8" 22-1/2 Degree Elbow, Ductile Iron, Grooved	455.95	61.89
		For Galvanized Fittings, Add	*87.16*	
23 21 13 23-1296	EA	10" 22-1/2 Degree Elbow, Steel, Grooved	606.84	72.22
		For Galvanized Fittings, Add	*119.66*	
23 21 13 23-1297	EA	12" 22-1/2 Degree Elbow, Steel, Grooved	803.95	86.66
		For Galvanized Fittings, Add	*161.76*	
23 21 13 23-1298	EA	14" 22-1/2 Degree Elbow, Steel, Grooved	925.19	97.81
		For Galvanized Fittings, Add	*186.84*	
23 21 13 23-1299	EA	16" 22-1/2 Degree Elbow, Steel, Grooved	1,096.10	108.29
		For Galvanized Fittings, Add	*224.09*	
23 21 13 23-1300	EA	18" 22-1/2 Degree Elbow, Steel, Grooved	1,308.15	118.31
		For Galvanized Fittings, Add	*271.39*	
23 21 13 23-1301	EA	20" 22-1/2 Degree Elbow, Steel, Grooved	1,521.40	123.03
		For Galvanized Fittings, Add	*320.86*	
23 21 13 23-1302	EA	24" 22-1/2 Degree Elbow, Steel, Grooved	2,014.56	145.48
		For Galvanized Fittings, Add	*431.16*	
23 21 13 23-1303		11-1/4 Degree Grooved Elbows *(23 21 13 23-1246)*		
		Note: Victaulic No. 13		
23 21 13 23-1304	EA	1" 11-1/4 Degree Elbow, Ductile Iron, Grooved	43.47	8.16
		For Galvanized Fittings, Add	*7.50*	
23 21 13 23-1305	EA	1-1/4" 11-1/4 Degree Elbow, Ductile Iron, Grooved	46.52	10.17
		For Galvanized Fittings, Add	*7.50*	
23 21 13 23-1306	EA	1-1/2" 11-1/4 Degree Elbow, Ductile Iron, Grooved	49.76	12.35
		For Galvanized Fittings, Add	*7.50*	
23 21 13 23-1307	EA	2" 11-1/4 Degree Elbow, Ductile Iron, Grooved	55.70	16.32
		For Galvanized Fittings, Add	*7.50*	
23 21 13 23-1308	EA	2-1/2" 11-1/4 Degree Elbow, Ductile Iron, Grooved	61.04	19.90
		For Galvanized Fittings, Add	*7.50*	
23 21 13 23-1309	EA	3" 11-1/4 Degree Elbow, Ductile Iron, Grooved	81.80	24.09
		For Galvanized Fittings, Add	*10.97*	
23 21 13 23-1310	EA	4" 11-1/4 Degree Elbow, Ductile Iron, Grooved	108.92	31.81
		For Galvanized Fittings, Add	*14.70*	
23 21 13 23-1311	EA	5" 11-1/4 Degree Elbow, Steel, Grooved	249.56	39.74
		For Galvanized Fittings, Add	*45.60*	
23 21 13 23-1312	EA	6" 11-1/4 Degree Elbow, Ductile Iron, Grooved	251.51	52.02
		For Galvanized Fittings, Add	*41.65*	
23 21 13 23-1313	EA	8" 11-1/4 Degree Elbow, Ductile Iron, Grooved	455.93	61.89
		For Galvanized Fittings, Add	*87.15*	
23 21 13 23-1314	EA	10" 11-1/4 Degree Elbow, Steel, Grooved	606.81	72.22
		For Galvanized Fittings, Add	*119.65*	
23 21 13 23-1315	EA	12" 11-1/4 Degree Elbow, Steel, Grooved	803.91	86.66
		For Galvanized Fittings, Add	*161.76*	
23 21 13 23-1316	EA	14" 11-1/4 Degree Elbow, Steel, Grooved	925.15	97.81
		For Galvanized Fittings, Add	*186.83*	
23 21 13 23-1317	EA	16" 11-1/4 Degree Elbow, Steel, Grooved	1,096.08	108.36
		For Galvanized Fittings, Add	*224.08*	
23 21 13 23-1318	EA	18" 11-1/4 Degree Elbow, Steel, Grooved	1,308.08	118.31
		For Galvanized Fittings, Add	*271.38*	
23 21 13 23-1319	EA	20" 11-1/4 Degree Elbow, Steel, Grooved	1,521.33	123.03
		For Galvanized Fittings, Add	*320.84*	
23 21 13 23-1320	EA	24" 11-1/4 Degree Elbow, Steel, Grooved	2,014.46	145.48
		For Galvanized Fittings, Add	*431.14*	
23 21 13 23-1321		90 Degree Grooved Long Radius Elbows *(23 21 13 23-1246)*		
		Note: Victaulic No. 100		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1322	EA	2" 90 Degree Long Radius Elbow, Ductile Iron, Grooved	91.51	16.32
		For Galvanized Fittings, Add	*16.09*	
23 21 13 23-1323	EA	2-1/2" 90 Degree Long Radius Elbow, Steel, Grooved	224.37	19.90
		For Galvanized Fittings, Add	*46.70*	
23 21 13 23-1324	EA	3" 90 Degree Long Radius Elbow, Ductile Iron, Grooved	103.16	24.09
		For Galvanized Fittings, Add	*16.09*	
23 21 13 23-1325	EA	4" 90 Degree Long Radius Elbow, Ductile Iron, Grooved	148.11	31.81
		For Galvanized Fittings, Add	*24.11*	
23 21 13 23-1326	EA	5" 90 Degree Long Radius Elbow, Steel Grooved	574.43	39.74
		For Galvanized Fittings, Add	*123.56*	
23 21 13 23-1327	EA	6" 90 Degree Long Radius Elbow, Ductile Iron, Grooved	371.80	52.02
		For Galvanized Fittings, Add	*70.52*	
23 21 13 23-1328	EA	8" 90 Degree Long Radius Elbow, Ductile Iron, Grooved	797.64	61.89
		For Galvanized Fittings, Add	*169.16*	
23 21 13 23-1329	EA	10" 90 Degree Long Radius Elbow, Ductile Iron, Grooved	1,569.69	72.22
		For Galvanized Fittings, Add	*350.74*	
23 21 13 23-1330	EA	12" 90 Degree Long Radius Elbow, Ductile Iron, Grooved	1,872.68	86.66
		For Galvanized Fittings, Add	*418.26*	

23 21 13 23-1331 Grooved Tees, Wyes And Crosses *(23 21 13 23-1245)*

23 21 13 23-1332 Grooved Tees *(23 21 13 23-1331)*

Note: Victaulic No. 20

23 21 13 23-1333	EA	3/4" Tee, Ductile Iron, Grooved	60.91	10.70
		For Galvanized Fittings, Add	*13.45*	
23 21 13 23-1334	EA	1" Tee, Ductile Iron, Grooved	63.34	12.35
		For Galvanized Fittings, Add	*13.45*	
23 21 13 23-1335	EA	1-1/4" Tee, Ductile Iron, Grooved	67.46	15.12
		For Galvanized Fittings, Add	*13.45*	
23 21 13 23-1336	EA	1-1/2" Tee, Ductile Iron, Grooved	72.61	18.56
		For Galvanized Fittings, Add	*13.45*	
23 21 13 23-1337	EA	2" Tee, Ductile Iron, Grooved	80.79	24.02
		For Galvanized Fittings, Add	*13.45*	
23 21 13 23-1338	EA	2-1/2" Tee, Ductile Iron, Grooved	88.96	29.41
		For Galvanized Fittings, Add	*13.45*	
23 21 13 23-1339	EA	3" Tee, Ductile Iron, Grooved	116.94	36.14
		For Galvanized Fittings, Add	*18.83*	
23 21 13 23-1340	EA	4" Tee, Ductile Iron, Grooved	166.40	46.77
		For Galvanized Fittings, Add	*28.89*	
23 21 13 23-1341	EA	5" Tee, Ductile Iron, Grooved	317.61	61.14
		For Galvanized Fittings, Add	*67.79*	
23 21 13 23-1342	EA	6" Tee, Ductile Iron, Grooved	375.77	76.48
		For Galvanized Fittings, Add	*78.34*	
23 21 13 23-1343	EA	8" Tee, Ductile Iron, Grooved	709.63	92.87
		For Galvanized Fittings, Add	*171.13*	
23 21 13 23-1344	EA	10" Tee, Ductile Iron, Grooved	1,181.00	108.29
		For Galvanized Fittings, Add	*305.58*	
23 21 13 23-1345	EA	12" Tee, Ductile Iron, Grooved	1,620.94	129.99
		For Galvanized Fittings, Add	*427.82*	
23 21 13 23-1346	EA	14" Tee, Steel, Grooved	1,772.23	144.43
		For Galvanized Fittings, Add	*466.71*	
23 21 13 23-1347	EA	16" Tee, Steel, Grooved	2,199.42	145.26
		For Galvanized Fittings, Add	*594.50*	
23 21 13 23-1348	EA	18" Tee, Steel, Grooved	2,721.88	160.23
		For Galvanized Fittings, Add	*744.51*	
23 21 13 23-1349	EA	20" Tee, Steel, Grooved	3,799.84	162.77
		For Galvanized Fittings, Add	*1,066.76*	
23 21 13 23-1350	EA	24" Tee, Steel, Grooved	5,763.24	199.96
		For Galvanized Fittings, Add	*1,639.03*	

23 21 13 23-1351 Grooved Wyes (90 Degree True Wye) *(23 21 13 23-1331)*

Note: Victaulic No. 33

23 21 13 23-1352	EA	1" Wye, Steel, Grooved	207.62	12.35
		For Galvanized Fittings, Add	*30.26*	
23 21 13 23-1353	EA	1-1/4" Wye, Steel, Grooved	211.74	15.12
		For Galvanized Fittings, Add	*30.26*	
23 21 13 23-1354	EA	1-1/2" Wye, Steel, Grooved	216.89	18.56
		For Galvanized Fittings, Add	*30.26*	
23 21 13 23-1355	EA	2" Wye, Steel, Grooved	225.07	24.02
		For Galvanized Fittings, Add	*30.26*	
23 21 13 23-1356	EA	2-1/2" Wye, Steel, Grooved	233.24	29.41
		For Galvanized Fittings, Add	*30.26*	
23 21 13 23-1357	EA	3" Wye, Steel, Grooved	280.20	36.14
		For Galvanized Fittings, Add	*36.17*	
23 21 13 23-1358	EA	4" Wye, Steel, Grooved	366.17	46.77
		For Galvanized Fittings, Add	*47.37*	
23 21 13 23-1359	EA	5" Wye, Steel, Grooved	516.04	61.14
		For Galvanized Fittings, Add	*67.90*	
23 21 13 23-1360	EA	6" Wye, Steel, Grooved	639.72	76.48
		For Galvanized Fittings, Add	*84.01*	
23 21 13 23-1361	EA	8" Wye, Steel, Grooved	895.47	92.87
		For Galvanized Fittings, Add	*121.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1362	EA	10" Wye, Steel, Grooved	1,467.69	108.29
		For Galvanized Fittings, Add	*208.85*	
23 21 13 23-1363	EA	12" Wye, Steel, Grooved	1,636.94	129.99
		For Galvanized Fittings, Add	*230.73*	
23 21 13 23-1364	EA	14" Wye, Steel, Grooved	1,863.20	144.43
		For Galvanized Fittings, Add	*263.47*	
23 21 13 23-1365	EA	16" Wye, Steel, Grooved	2,356.35	145.11
		For Galvanized Fittings, Add	*342.21*	
23 21 13 23-1366	EA	18" Wye, Steel, Grooved	2,687.01	160.38
		For Galvanized Fittings, Add	*391.44*	
23 21 13 23-1367	EA	20" Wye, Steel, Grooved	3,791.91	162.47
		For Galvanized Fittings, Add	*567.73*	
23 21 13 23-1368	EA	24" Wye, Steel, Grooved	5,816.43	199.96
		For Galvanized Fittings, Add	*882.66*	

23 21 13 23-1369 Grooved Crosses *(23 21 13 23-1331)*

Note: Victaulic No. 35

23 21 13 23-1370	EA	3/4" Cross, Steel, Grooved	146.56	16.09
		For Galvanized Fittings, Add	*18.36*	
23 21 13 23-1371	EA	1" Cross, Steel, Grooved	150.22	18.56
		For Galvanized Fittings, Add	*18.36*	
23 21 13 23-1372	EA	1-1/4" Cross, Steel, Grooved	181.74	22.67
		For Galvanized Fittings, Add	*22.17*	
23 21 13 23-1373	EA	1-1/2" Cross, Steel, Grooved	200.91	27.84
		For Galvanized Fittings, Add	*23.88*	
23 21 13 23-1374	EA	2" Cross, Steel, Grooved	143.93	36.00
		For Galvanized Fittings, Add	*13.50*	
23 21 13 23-1375	EA	2-1/2" Cross, Steel, Grooved	156.18	44.15
		For Galvanized Fittings, Add	*13.50*	
23 21 13 23-1376	EA	3" Cross, Steel, Grooved	242.94	54.18
		For Galvanized Fittings, Add	*24.25*	
23 21 13 23-1377	EA	4" Cross, Steel, Grooved	374.31	70.12
		For Galvanized Fittings, Add	*40.37*	
23 21 13 23-1378	EA	5" Cross, Steel, Grooved	687.36	91.67
		For Galvanized Fittings, Add	*82.48*	
23 21 13 23-1379	EA	6" Cross, Steel, Grooved	879.43	114.72
		For Galvanized Fittings, Add	*106.12*	
23 21 13 23-1380	EA	8" Cross, Steel, Grooved	1,140.54	139.27
		For Galvanized Fittings, Add	*139.76*	
23 21 13 23-1381	EA	10" Cross, Steel, Grooved	1,832.73	162.47
		For Galvanized Fittings, Add	*238.37*	
23 21 13 23-1382	EA	12" Cross, Steel, Grooved	2,585.56	195.02
		For Galvanized Fittings, Add	*343.98*	
23 21 13 23-1383	EA	14" Cross, Steel, Grooved	2,700.71	216.65
		For Galvanized Fittings, Add	*356.39*	
23 21 13 23-1384	EA	16" Cross, Steel, Grooved	3,434.74	217.92
		For Galvanized Fittings, Add	*466.21*	
23 21 13 23-1385	EA	18" Cross, Steel, Grooved	4,170.02	240.30
		For Galvanized Fittings, Add	*571.46*	
23 21 13 23-1386	EA	20" Cross, Steel, Grooved	5,763.25	244.04
		For Galvanized Fittings, Add	*809.60*	
23 21 13 23-1387	EA	24" Cross, Steel, Grooved	8,782.04	299.95
		For Galvanized Fittings, Add	*1,249.85*	

23 21 13 23-1388 Grooved Reducing Tees *(23 21 13 23-1331)*

Note: Victaulic No. 25

23 21 13 23-1389	EA	1" Reducing Tee, Steel, Grooved	105.00	12.35
		For Galvanized Fittings, Add	*17.30*	
23 21 13 23-1390	EA	1-1/4" Reducing Tee, Steel, Grooved	111.83	15.12
		For Galvanized Fittings, Add	*17.84*	
23 21 13 23-1391	EA	1-1/2" Reducing Tee, Steel, Grooved	119.21	18.56
		For Galvanized Fittings, Add	*18.28*	
23 21 13 23-1392	EA	2" Reducing Tee, Steel, Grooved	142.99	24.02
		For Galvanized Fittings, Add	*21.40*	
23 21 13 23-1393	EA	2-1/2" Reducing Tee, Steel, Grooved	162.17	29.41
		For Galvanized Fittings, Add	*23.61*	
23 21 13 23-1394	EA	3" Reducing Tee, Steel, Grooved	183.36	36.14
		For Galvanized Fittings, Add	*25.84*	
23 21 13 23-1395	EA	4" Reducing Tee, Steel, Grooved	244.34	46.77
		For Galvanized Fittings, Add	*34.85*	
23 21 13 23-1396	EA	5" Reducing Tee, Steel, Grooved	321.73	61.14
		For Galvanized Fittings, Add	*46.01*	
23 21 13 23-1397	EA	6" Reducing Tee, Steel, Grooved	438.29	76.48
		For Galvanized Fittings, Add	*64.73*	
23 21 13 23-1398	EA	8" Reducing Tee, Steel, Grooved	673.23	92.87
		For Galvanized Fittings, Add	*106.80*	
23 21 13 23-1399	EA	10" Reducing Tee, Steel, Grooved	949.66	108.29
		For Galvanized Fittings, Add	*157.45*	
23 21 13 23-1400	EA	12" Reducing Tee, Steel, Grooved	1,356.22	129.99
		For Galvanized Fittings, Add	*232.27*	
23 21 13 23-1401	EA	14" Reducing Tee, Steel, Grooved	1,535.56	144.43
		For Galvanized Fittings, Add	*263.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1402	EA	16" Reducing Tee, Steel, Grooved	1,931.18	145.26
		For Galvanized Fittings, Add	*342.68*	
23 21 13 23-1403	EA	18" Reducing Tee, Steel, Grooved	2,337.77	160.23
		For Galvanized Fittings, Add	*419.52*	
23 21 13 23-1404	EA	20" Reducing Tee, Steel, Grooved	3,243.88	162.69
		For Galvanized Fittings, Add	*599.99*	
23 21 13 23-1405	EA	24" Reducing Tee, Steel, Grooved	5,132.13	199.96
		For Galvanized Fittings, Add	*966.46*	

23 21 13 23-1406 Grooved 45 Degree Lateral Wyes *(23 21 13 23-1331)*

Note: Victaulic No. 30

23 21 13 23-1407	EA	3/4" 45 Degree Lateral Wye, Steel, Grooved	195.17	10.70
		For Galvanized Fittings, Add	*32.23*	
23 21 13 23-1408	EA	1" 45 Degree Lateral Wye, Steel, Grooved	197.60	12.35
		For Galvanized Fittings, Add	*32.23*	
23 21 13 23-1409	EA	1-1/4" 45 Degree Lateral Wye, Steel, Grooved	201.72	15.12
		For Galvanized Fittings, Add	*32.23*	
23 21 13 23-1410	EA	1-1/2" 45 Degree Lateral Wye, Steel, Grooved	206.87	18.56
		For Galvanized Fittings, Add	*32.23*	
23 21 13 23-1411	EA	2" 45 Degree Lateral Wye, Steel, Grooved	215.05	24.02
		For Galvanized Fittings, Add	*32.23*	
23 21 13 23-1412	EA	2-1/2" Wye, 45 Degree Lateral, Steel, Grooved	223.22	29.41
		For Galvanized Fittings, Add	*32.23*	
23 21 13 23-1413	EA	3" Wye, 45 Degree Lateral, Steel, Grooved	208.87	36.14
		For Galvanized Fittings, Add	*27.85*	
23 21 13 23-1414	EA	3-1/2" Wye, 45 Degree Lateral, Steel, Grooved	324.56	41.68
		For Galvanized Fittings, Add	*47.18*	
23 21 13 23-1415	EA	4" 45 Degree Lateral Wye, Steel, Grooved	375.21	46.77
		For Galvanized Fittings, Add	*54.92*	
23 21 13 23-1416	EA	5" 45 Degree Lateral Wye, Steel, Grooved	537.57	61.14
		For Galvanized Fittings, Add	*80.26*	
23 21 13 23-1417	EA	6" 45 Degree Lateral Wye, Steel, Grooved	833.08	76.48
		For Galvanized Fittings, Add	*129.32*	
23 21 13 23-1418	EA	8" 45 Degree Lateral Wye, Steel, Grooved	1,174.02	92.87
		For Galvanized Fittings, Add	*186.27*	
23 21 13 23-1419	EA	10" 45 Degree Lateral Wye, Steel, Grooved	1,623.01	108.29
		For Galvanized Fittings, Add	*262.91*	
23 21 13 23-1420	EA	12" 45 Degree Lateral Wye, Steel, Grooved	1,960.84	129.99
		For Galvanized Fittings, Add	*317.87*	
23 21 13 23-1421	EA	14" 45 Degree Lateral Wye, Steel, Grooved	2,794.06	144.43
		For Galvanized Fittings, Add	*463.95*	
23 21 13 23-1422	EA	16" 45 Degree Lateral Wye, Steel, Grooved	3,437.81	145.26
		For Galvanized Fittings, Add	*579.60*	
23 21 13 23-1423	EA	18" 45 Degree Lateral Wye, Steel, Grooved	3,839.74	160.23
		For Galvanized Fittings, Add	*647.92*	
23 21 13 23-1424	EA	20" 45 Degree Lateral Wye, Steel, Grooved	5,703.89	162.69
		For Galvanized Fittings, Add	*982.79*	
23 21 13 23-1425	EA	24" 45 Degree Lateral Wye, Steel, Grooved	8,784.20	199.96
		For Galvanized Fittings, Add	*1,527.19*	

23 21 13 23-1426 Grooved 45 Degree Lateral Reducing Wyes *(23 21 13 23-1331)*

Note: Victaulic No. 30R

23 21 13 23-1427	EA	3" 45 Degree Lateral Reducing Wye, Steel, Grooved	208.87	36.14
		For Galvanized Fittings, Add	*20.11*	
23 21 13 23-1428	EA	4" 45 Degree Lateral Reducing Wye, Steel, Grooved	375.21	46.77
		For Galvanized Fittings, Add	*39.66*	
23 21 13 23-1429	EA	5" 45 Degree Lateral Reducing Wye, Steel, Grooved	537.57	61.14
		For Galvanized Fittings, Add	*57.97*	
23 21 13 23-1430	EA	6" 45 Degree Lateral Reducing Wye, Steel, Grooved	690.75	76.48
		For Galvanized Fittings, Add	*74.89*	
23 21 13 23-1431	EA	8" 45 Degree Lateral Reducing Wye, Steel, Grooved	970.88	92.87
		For Galvanized Fittings, Add	*108.12*	
23 21 13 23-1432	EA	10" 45 Degree Lateral Reducing Wye, Steel, Grooved	1,180.97	108.29
		For Galvanized Fittings, Add	*132.41*	
23 21 13 23-1433	EA	12" 45 Degree Lateral Reducing Wye, Steel, Grooved	1,432.70	129.99
		For Galvanized Fittings, Add	*160.92*	
23 21 13 23-1434	EA	14" 45 Degree Lateral Reducing Wye, Steel, Grooved	1,603.20	144.43
		For Galvanized Fittings, Add	*180.27*	
23 21 13 23-1435	EA	16" 45 Degree Lateral Reducing Wye, Steel, Grooved	2,010.18	145.26
		For Galvanized Fittings, Add	*233.01*	
23 21 13 23-1436	EA	18" 45 Degree Lateral Reducing Wye, Steel, Grooved	2,992.36	160.23
		For Galvanized Fittings, Add	*357.79*	
23 21 13 23-1437	EA	20" 45 Degree Lateral Reducing Wye, Steel, Grooved	4,272.42	162.69
		For Galvanized Fittings, Add	*523.71*	
23 21 13 23-1438	EA	24" 45 Degree Lateral Reducing Wye, Steel, Grooved	6,822.11	199.96
		For Galvanized Fittings, Add	*847.90*	

23 21 13 23-1439 Mechanical-T Outlet *(23 21 13 23-1331)*

Note: Includes making opening in pipe. Grooved or treaded branch outlets. Victaulic Styles 920 or 921.

23 21 13 23-1440	EA	2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	83.66	26.94
		For Galvanized Fittings, Add	*7.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1441	EA	2" x 1" Mechanical-T Outlet With Threaded Branch Outlet	83.66	26.94
		For Galvanized Fittings, Add	*7.39*	
23 21 13 23-1442	EA	2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	88.31	26.94
		For Galvanized Fittings, Add	*8.54*	
23 21 13 23-1443	EA	2" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet	88.31	26.94
23 21 13 23-1444	EA	2-1/2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	90.40	30.31
23 21 13 23-1445	EA	2-1/2" x 1" Mechanical-T Outlet With Threaded Branch Outlet	90.40	30.31
23 21 13 23-1446	EA	2-1/2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	102.68	30.31
23 21 13 23-1447	EA	3" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	101.65	33.67
23 21 13 23-1448	EA	3" x 1" Mechanical-T Outlet With Threaded Branch Outlet	101.65	33.67
23 21 13 23-1449	EA	3" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	111.54	33.67
23 21 13 23-1450	EA	3" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet	111.54	33.67
23 21 13 23-1451	EA	3" x 2" Mechanical-T Outlet With Threaded Branch Outlet	118.30	33.67
23 21 13 23-1452	EA	4" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	133.53	44.90
23 21 13 23-1453	EA	4" x 1" Mechanical-T Outlet With Threaded Branch Outlet	133.53	44.90
23 21 13 23-1454	EA	4" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	141.24	44.90
23 21 13 23-1455	EA	4" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	143.41	44.90
23 21 13 23-1456	EA	4" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	143.41	44.90
23 21 13 23-1457	EA	4" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	145.57	44.90
23 21 13 23-1458	EA	4" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	149.72	44.90
23 21 13 23-1459	EA	5" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	189.32	61.74
23 21 13 23-1460	EA	5" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	189.32	61.74
23 21 13 23-1461	EA	5" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	193.06	61.74
23 21 13 23-1462	EA	5" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	197.75	61.74
23 21 13 23-1463	EA	6" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	224.52	78.58
23 21 13 23-1464	EA	6" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	224.52	78.58
23 21 13 23-1465	EA	6" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	230.03	78.58
23 21 13 23-1466	EA	6" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	234.67	78.58
23 21 13 23-1467	EA	6" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet	242.93	78.58
23 21 13 23-1468	EA	8" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	327.26	104.02
23 21 13 23-1469	EA	8" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	327.26	104.02
23 21 13 23-1470	EA	8" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	333.89	104.02
23 21 13 23-1471	EA	8" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet	337.82	104.02

23 21 13 23-1472 Grooved Fittings *(23 21 13 23-1245)*

23 21 13 23-1473 Flanged Adapter Nipple, Grooved *(23 21 13 23-1472)*

Note: Victaulic No. 41 and 45

23 21 13 23-1474	EA	1" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	139.50	8.98
		For Galvanized Fittings, Add	*22.69*	
		For 300 LB Rating, Add	*18.90*	
23 21 13 23-1475	EA	1-1/4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	141.00	9.95
		For Galvanized Fittings, Add	*22.69*	
		For 300 LB Rating, Add	*18.90*	
23 21 13 23-1476	EA	1-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	144.74	12.50
		For Galvanized Fittings, Add	*22.69*	
		For 300 LB Rating, Add	*18.90*	
23 21 13 23-1477	EA	2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	152.61	17.74
		For Galvanized Fittings, Add	*22.69*	
		For 300 LB Rating, Add	*18.90*	
23 21 13 23-1478	EA	2-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	158.23	21.48
		For Galvanized Fittings, Add	*22.69*	
		For 300 LB Rating, Add	*18.90*	
23 21 13 23-1479	EA	3" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	199.70	25.67
		For Galvanized Fittings, Add	*29.03*	
		For 300 LB Rating, Add	*24.19*	
23 21 13 23-1480	EA	4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	244.13	34.57
		For Galvanized Fittings, Add	*34.62*	
		For 300 LB Rating, Add	*28.85*	
23 21 13 23-1481	EA	5" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	337.54	41.83
		For Galvanized Fittings, Add	*49.47*	
		For 300 LB Rating, Add	*41.22*	
23 21 13 23-1482	EA	6" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	398.28	56.50
		For Galvanized Fittings, Add	*56.44*	
		For 300 LB Rating, Add	*47.03*	
23 21 13 23-1483	EA	8" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	547.44	76.48
		For Galvanized Fittings, Add	*77.90*	
		For 300 LB Rating, Add	*64.92*	
23 21 13 23-1484	EA	10" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	845.48	92.87
		For Galvanized Fittings, Add	*127.13*	
		For 300 LB Rating, Add	*105.94*	
23 21 13 23-1485	EA	12" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	1,128.09	108.29
		For Galvanized Fittings, Add	*173.82*	
		For 300 LB Rating, Add	*144.85*	
23 21 13 23-1486	EA	14" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	1,333.70	129.99
		For Galvanized Fittings, Add	*204.99*	
		For 300 LB Rating, Add	*170.82*	
23 21 13 23-1487	EA	16" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	1,970.34	144.43
		For Galvanized Fittings, Add	*315.68*	
		For 300 LB Rating, Add	*263.07*	
23 21 13 23-1488	EA	18" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	2,384.79	216.65
		For Galvanized Fittings, Add	*370.80*	
		For 300 LB Rating, Add	*309.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1489	EA	20" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	2,536.94	259.98
		For Galvanized Fittings, Add	*386.49*	
		For 300 LB Rating, Add	*322.08*	
23 21 13 23-1490	EA	24" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	4,137.20	288.87
		For Galvanized Fittings, Add	*666.74*	
		For 300 LB Rating, Add	*555.62*	

23 21 13 23-1491 Grooved Concentric Reducers *(23 21 13 23-1472)*

Note: Victaulic No. 50

23 21 13 23-1492	EA	1-1/4" x 3/4" Concentric Reducer, Grooved	147.89	8.98
		For Galvanized Fittings, Add	*5.91*	
23 21 13 23-1493	EA	1-1/4" x 1" Concentric Reducer, Grooved	154.70	9.51
		For Galvanized Fittings, Add	*6.18*	
23 21 13 23-1494	EA	1-1/2" x 3/4" Concentric Reducer, Grooved	174.00	10.25
		For Galvanized Fittings, Add	*19.07*	
23 21 13 23-1495	EA	1-1/2" x 1" Concentric Reducer, Grooved	50.07	10.70
		For Galvanized Fittings, Add	*4.08*	
23 21 13 23-1496	EA	1-1/2" x 1-1/4" Concentric Reducer, Grooved	148.35	11.22
		For Galvanized Fittings, Add	*15.81*	
23 21 13 23-1497	EA	2" x 3/4" Concentric Reducer, Grooved	52.31	12.20
		For Galvanized Fittings, Add	*4.08*	
23 21 13 23-1498	EA	2" x 1" Concentric Reducer, Grooved	53.07	12.72
		For Galvanized Fittings, Add	*4.08*	
23 21 13 23-1499	EA	2" x 1-1/4" Concentric Reducer, Grooved	57.22	13.25
		For Galvanized Fittings, Add	*4.49*	
23 21 13 23-1500	EA	2" x 1-1/2" Concentric Reducer, Grooved	56.10	14.75
		For Galvanized Fittings, Add	*4.08*	
23 21 13 23-1501	EA	2-1/2" x 3/4" Concentric Reducer, Grooved	297.17	13.77
		For Galvanized Fittings, Add	*33.24*	
23 21 13 23-1502	EA	2-1/2" x 1" Concentric Reducer, Grooved	238.30	14.29
		For Galvanized Fittings, Add	*26.07*	
23 21 13 23-1503	EA	2-1/2" x 1-1/4" Concentric Reducer, Grooved	218.48	14.75
		For Galvanized Fittings, Add	*23.60*	
23 21 13 23-1504	EA	2-1/2" x 1-1/2" Concentric Reducer, Grooved	58.30	16.24
		For Galvanized Fittings, Add	*4.08*	
23 21 13 23-1505	EA	2-1/2" x 2" Concentric Reducer, Grooved	61.30	18.18
		For Galvanized Fittings, Add	*4.08*	
23 21 13 23-1506	EA	3" x 3/4" Concentric Reducer, Grooved	302.30	16.02
		For Galvanized Fittings, Add	*42.30*	
23 21 13 23-1507	EA	3" x 1" Concentric Reducer, Grooved	62.18	16.46
		For Galvanized Fittings, Add	*5.70*	
23 21 13 23-1508	EA	3" x 1-1/4" Concentric Reducer, Grooved	240.99	16.99
		For Galvanized Fittings, Add	*32.77*	
23 21 13 23-1509	EA	3" x 1-1/2" Concentric Reducer, Grooved	227.63	18.18
		For Galvanized Fittings, Add	*30.45*	
23 21 13 23-1510	EA	3" x 2" Concentric Reducer, Grooved	60.11	20.21
		For Galvanized Fittings, Add	*4.53*	
23 21 13 23-1511	EA	3" x 2-1/2" Concentric Reducer, Grooved	77.18	24.09
		For Galvanized Fittings, Add	*6.24*	
23 21 13 23-1512	EA	3-1/2" x 3" Concentric Reducer, Grooved	82.67	25.97
		For Galvanized Fittings, Add	*6.65*	
23 21 13 23-1513	EA	4" x 1" Concentric Reducer, Grooved	75.79	20.43
		For Galvanized Fittings, Add	*7.74*	
23 21 13 23-1514	EA	4" x 1-1/4" Concentric Reducer, Grooved	388.03	20.95
		For Galvanized Fittings, Add	*61.16*	
23 21 13 23-1515	EA	4" x 1-1/2" Concentric Reducer, Grooved	305.93	22.23
		For Galvanized Fittings, Add	*46.75*	
23 21 13 23-1516	EA	4" x 2" Concentric Reducer, Grooved	75.98	24.25
		For Galvanized Fittings, Add	*6.81*	
23 21 13 23-1517	EA	4" x 2-1/2" Concentric Reducer, Grooved	88.65	25.97
		For Galvanized Fittings, Add	*8.53*	
23 21 13 23-1518	EA	4" x 3" Concentric Reducer, Grooved	91.64	27.99
		For Galvanized Fittings, Add	*8.53*	
23 21 13 23-1519	EA	4" x 3-1/2" Concentric Reducer, Grooved	94.63	29.94
		For Galvanized Fittings, Add	*8.53*	
23 21 13 23-1520	EA	5" x 2" Concentric Reducer, Grooved	544.12	28.21
		For Galvanized Fittings, Add	*86.06*	
23 21 13 23-1521	EA	5" x 2-1/2" Concentric Reducer, Grooved	434.26	29.94
		For Galvanized Fittings, Add	*66.78*	
23 21 13 23-1522	EA	5" x 3" Concentric Reducer, Grooved	106.11	31.95
		For Galvanized Fittings, Add	*9.98*	
23 21 13 23-1523	EA	5" x 4" Concentric Reducer, Grooved	123.41	35.92
		For Galvanized Fittings, Add	*11.92*	
23 21 13 23-1524	EA	6" x 1" Concentric Reducer, Grooved	138.11	30.46
		For Galvanized Fittings, Add	*17.25*	
23 21 13 23-1525	EA	6" x 1-1/2" Concentric Reducer, Grooved	575.91	32.18
		For Galvanized Fittings, Add	*98.46*	
23 21 13 23-1526	EA	6" x 2" Concentric Reducer, Grooved	143.72	34.20
		For Galvanized Fittings, Add	*17.25*	
23 21 13 23-1527	EA	6" x 2-1/2" Concentric Reducer, Grooved	584.54	35.92
		For Galvanized Fittings, Add	*99.02*	
23 21 13 23-1528	EA	6" x 3" Concentric Reducer, Grooved	149.34	37.94
		For Galvanized Fittings, Add	*17.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1529	EA	6" x 4" Concentric Reducer, Grooved	143.38	41.91
		For Galvanized Fittings, Add	*15.03*	
23 21 13 23-1530	EA	6" x 5" Concentric Reducer, Grooved	187.98	45.95
		For Galvanized Fittings, Add	*22.23*	
23 21 13 23-1531	EA	8" x 3" Concentric Reducer, Grooved	229.56	42.96
		For Galvanized Fittings, Add	*30.83*	
23 21 13 23-1532	EA	8" x 4" Concentric Reducer, Grooved	235.55	46.92
		For Galvanized Fittings, Add	*30.83*	
23 21 13 23-1533	EA	8" x 5" Concentric Reducer, Grooved	241.54	50.89
		For Galvanized Fittings, Add	*30.83*	
23 21 13 23-1534	EA	8" x 6" Concentric Reducer, Grooved	296.00	56.87
		For Galvanized Fittings, Add	*39.31*	
23 21 13 23-1535	EA	10" x 4" Concentric Reducer, Grooved	471.56	52.16
		For Galvanized Fittings, Add	*73.40*	
23 21 13 23-1536	EA	10" x 5" Concentric Reducer, Grooved	951.29	56.13
		For Galvanized Fittings, Add	*161.80*	
23 21 13 23-1537	EA	10" x 6" Concentric Reducer, Grooved	523.32	62.12
		For Galvanized Fittings, Add	*80.27*	
23 21 13 23-1538	EA	10" x 8" Concentric Reducer, Grooved	530.79	67.12
		For Galvanized Fittings, Add	*80.27*	
23 21 13 23-1539	EA	12" x 4" Concentric Reducer, Grooved	1,391.17	59.42
		For Galvanized Fittings, Add	*195.32*	
23 21 13 23-1540	EA	12" x 6" Concentric Reducer, Grooved	617.05	69.37
		For Galvanized Fittings, Add	*76.96*	
23 21 13 23-1541	EA	12" x 8" Concentric Reducer, Grooved	882.18	74.39
		For Galvanized Fittings, Add	*115.60*	
23 21 13 23-1542	EA	12" x 10" Concentric Reducer, Grooved	890.07	79.62
		For Galvanized Fittings, Add	*115.60*	
23 21 13 23-1543	EA	14" x 6" Concentric Reducer, Grooved	2,727.00	74.76
		For Galvanized Fittings, Add	*80.28*	
23 21 13 23-1544	EA	14" x 8" Concentric Reducer, Grooved	1,654.47	79.78
		For Galvanized Fittings, Add	*47.12*	
23 21 13 23-1545	EA	14" x 10" Concentric Reducer, Grooved	1,423.38	85.01
		For Galvanized Fittings, Add	*39.79*	
23 21 13 23-1546	EA	14" x 12" Concentric Reducer, Grooved	1,434.22	92.20
		For Galvanized Fittings, Add	*39.79*	
23 21 13 23-1547	EA	16" x 8" Concentric Reducer, Grooved	2,492.44	85.08
		For Galvanized Fittings, Add	*72.60*	
23 21 13 23-1548	EA	16" x 10" Concentric Reducer, Grooved	2,321.89	90.32
		For Galvanized Fittings, Add	*67.12*	
23 21 13 23-1549	EA	16" x 12" Concentric Reducer, Grooved	2,157.83	97.58
		For Galvanized Fittings, Add	*61.75*	
23 21 13 23-1550	EA	16" x 14" Concentric Reducer, Grooved	2,165.91	102.97
		For Galvanized Fittings, Add	*61.75*	
23 21 13 23-1551	EA	18" x 10" Concentric Reducer, Grooved	3,230.30	95.34
		For Galvanized Fittings, Add	*94.78*	
23 21 13 23-1552	EA	18" x 12" Concentric Reducer, Grooved	2,937.48	102.52
		For Galvanized Fittings, Add	*85.46*	
23 21 13 23-1553	EA	18" x 14" Concentric Reducer, Grooved	2,681.95	107.91
		For Galvanized Fittings, Add	*77.37*	
23 21 13 23-1554	EA	18" x 16" Concentric Reducer, Grooved	2,690.04	113.38
		For Galvanized Fittings, Add	*77.37*	
23 21 13 23-1555	EA	20" x 10" Concentric Reducer, Grooved	3,549.93	97.81
		For Galvanized Fittings, Add	*104.48*	
23 21 13 23-1556	EA	20" x 12" Concentric Reducer, Grooved	3,059.06	105.07
		For Galvanized Fittings, Add	*89.08*	
23 21 13 23-1557	EA	20" x 14" Concentric Reducer, Grooved	3,067.14	110.46
		For Galvanized Fittings, Add	*89.08*	
23 21 13 23-1558	EA	20" x 16" Concentric Reducer, Grooved	2,747.75	115.78
		For Galvanized Fittings, Add	*79.03*	
23 21 13 23-1559	EA	20" x 18" Concentric Reducer, Grooved	2,926.17	120.78
		For Galvanized Fittings, Add	*84.27*	
23 21 13 23-1560	EA	24" x 10" Concentric Reducer, Grooved	7,746.92	108.82
		For Galvanized Fittings, Add	*232.82*	
23 21 13 23-1561	EA	24" x 12" Concentric Reducer, Grooved	7,574.68	116.07
		For Galvanized Fittings, Add	*227.20*	
23 21 13 23-1562	EA	24" x 14" Concentric Reducer, Grooved	6,616.31	121.39
		For Galvanized Fittings, Add	*197.53*	
23 21 13 23-1563	EA	24" x 16" Concentric Reducer, Grooved	6,624.45	126.85
		For Galvanized Fittings, Add	*197.53*	
23 21 13 23-1564	EA	24" x 18" Concentric Reducer, Grooved	5,689.62	131.78
		For Galvanized Fittings, Add	*168.61*	
23 21 13 23-1565	EA	24" x 20" Concentric Reducer, Grooved	5,206.96	134.33
		For Galvanized Fittings, Add	*153.67*	
23 21 13 23-1566		**Grooved Eccentric Reducers** *(23 21 13 23-1472)*		
		Note: Victaulic No. 51		
23 21 13 23-1567	EA	1-1/2" x 3/4" Eccentric Reducer, Grooved	179.48	10.25
		For Galvanized Fittings, Add	*19.73*	
23 21 13 23-1568	EA	1-1/2" x 1" Eccentric Reducer, Grooved	164.25	10.70
		For Galvanized Fittings, Add	*17.81*	
23 21 13 23-1569	EA	1-1/2" x 1-1/4" Eccentric Reducer, Grooved	161.77	11.22
		For Galvanized Fittings, Add	*17.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1570	EA	2" x 3/4" Eccentric Reducer, Grooved	337.27	12.20
		For Galvanized Fittings, Add	*38.34*	
23 21 13 23-1571	EA	2" x 1" Eccentric Reducer, Grooved	182.69	12.72
		For Galvanized Fittings, Add	*19.66*	
23 21 13 23-1572	EA	2" x 1-1/4" Eccentric Reducer, Grooved	199.18	13.25
		For Galvanized Fittings, Add	*21.56*	
23 21 13 23-1573	EA	2" x 1-1/2" Eccentric Reducer, Grooved	172.25	14.75
		For Galvanized Fittings, Add	*18.05*	
23 21 13 23-1574	EA	2-1/2" x 3/4" Eccentric Reducer, Grooved	436.98	13.77
		For Galvanized Fittings, Add	*50.04*	
23 21 13 23-1575	EA	2-1/2" x 1" Eccentric Reducer, Grooved	409.26	14.29
		For Galvanized Fittings, Add	*46.62*	
23 21 13 23-1576	EA	2-1/2" x 1-1/4" Eccentric Reducer, Grooved	247.39	14.75
		For Galvanized Fittings, Add	*27.08*	
23 21 13 23-1577	EA	2-1/2" x 1-1/2" Eccentric Reducer, Grooved	202.82	16.24
		For Galvanized Fittings, Add	*21.46*	
23 21 13 23-1578	EA	2-1/2" x 2" Eccentric Reducer, Grooved	99.22	18.18
		For Galvanized Fittings, Add	*8.64*	
23 21 13 23-1579	EA	3" x 1" Eccentric Reducer, Grooved	440.72	16.46
		For Galvanized Fittings, Add	*50.01*	
23 21 13 23-1580	EA	3" x 1-1/4" Eccentric Reducer, Grooved	402.07	16.99
		For Galvanized Fittings, Add	*45.27*	
23 21 13 23-1581	EA	3" x 1-1/2" Eccentric Reducer, Grooved	233.78	18.18
		For Galvanized Fittings, Add	*24.82*	
23 21 13 23-1582	EA	3" x 2" Eccentric Reducer, Grooved	112.94	20.21
		For Galvanized Fittings, Add	*9.93*	
23 21 13 23-1583	EA	3" x 2-1/2" Eccentric Reducer, Grooved	118.74	24.09
		For Galvanized Fittings, Add	*9.93*	
23 21 13 23-1584	EA	3-1/2" x 3" Eccentric Reducer, Grooved	496.04	25.97
		For Galvanized Fittings, Add	*54.95*	
23 21 13 23-1585	EA	4" x 1" Eccentric Reducer, Grooved	874.02	20.43
		For Galvanized Fittings, Add	*144.63*	
23 21 13 23-1586	EA	4" x 1-1/2" Eccentric Reducer, Grooved	543.36	22.23
		For Galvanized Fittings, Add	*87.47*	
23 21 13 23-1587	EA	4" x 2" Eccentric Reducer, Grooved	137.33	24.25
		For Galvanized Fittings, Add	*17.33*	
23 21 13 23-1588	EA	4" x 2-1/2" Eccentric Reducer, Grooved	139.95	25.97
		For Galvanized Fittings, Add	*17.33*	
23 21 13 23-1589	EA	4" x 3" Eccentric Reducer, Grooved	142.94	27.99
		For Galvanized Fittings, Add	*17.33*	
23 21 13 23-1590	EA	5" x 2" Eccentric Reducer, Grooved	604.71	28.21
		For Galvanized Fittings, Add	*96.46*	
23 21 13 23-1591	EA	5" x 2-1/2" Eccentric Reducer, Grooved	524.07	29.94
		For Galvanized Fittings, Add	*82.18*	
23 21 13 23-1592	EA	5" x 3" Eccentric Reducer, Grooved	510.73	31.95
		For Galvanized Fittings, Add	*79.38*	
23 21 13 23-1593	EA	5" x 4" Eccentric Reducer, Grooved	191.50	35.92
		For Galvanized Fittings, Add	*23.60*	
23 21 13 23-1594	EA	6" x 1" Eccentric Reducer, Grooved	919.96	30.46
		For Galvanized Fittings, Add	*163.15*	
23 21 13 23-1595	EA	6" x 2" Eccentric Reducer, Grooved	848.60	34.20
		For Galvanized Fittings, Add	*148.78*	
23 21 13 23-1596	EA	6" x 2-1/2" Eccentric Reducer, Grooved	1,003.34	35.92
		For Galvanized Fittings, Add	*177.17*	
23 21 13 23-1597	EA	6" x 3" Eccentric Reducer, Grooved	240.09	37.94
		For Galvanized Fittings, Add	*34.19*	
23 21 13 23-1598	EA	6" x 4" Eccentric Reducer, Grooved	223.23	41.91
		For Galvanized Fittings, Add	*29.93*	
23 21 13 23-1599	EA	6" x 5" Eccentric Reducer, Grooved	261.23	45.95
		For Galvanized Fittings, Add	*35.90*	
		For Galvanized Fittings, Add	*29.03*	
23 21 13 23-1600	EA	8" x 3" Eccentric Reducer, Grooved	990.77	42.96
		For Galvanized Fittings, Add	*172.87*	
		For Galvanized Fittings, Add	*139.80*	
23 21 13 23-1601	EA	8" x 4" Eccentric Reducer, Grooved	879.98	46.92
		For Galvanized Fittings, Add	*151.08*	
		For Galvanized Fittings, Add	*122.17*	
23 21 13 23-1602	EA	8" x 5" Eccentric Reducer, Grooved	830.13	50.89
		For Galvanized Fittings, Add	*140.66*	
		For Galvanized Fittings, Add	*113.75*	
23 21 13 23-1603	EA	8" x 6" Eccentric Reducer, Grooved	410.49	56.87
		For Galvanized Fittings, Add	*60.68*	
		For Galvanized Fittings, Add	*49.07*	
23 21 13 23-1604	EA	10" x 4" Eccentric Reducer, Grooved	1,563.91	52.16
		For Galvanized Fittings, Add	*277.23*	
		For Galvanized Fittings, Add	*224.19*	
23 21 13 23-1605	EA	10" x 5" Eccentric Reducer, Grooved	1,483.95	56.13
		For Galvanized Fittings, Add	*261.19*	
		For Galvanized Fittings, Add	*211.22*	
23 21 13 23-1606	EA	10" x 6" Eccentric Reducer, Grooved	1,148.72	62.12
		For Galvanized Fittings, Add	*196.97*	
		For Galvanized Fittings, Add	*159.28*	
23 21 13 23-1607	EA	10" x 8" Eccentric Reducer, Grooved	994.03	67.12
		For Galvanized Fittings, Add	*166.71*	
		For Galvanized Fittings, Add	*134.81*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1608	EA	12" x 4" Eccentric Reducer, Grooved	1,599.74	59.42
		For Galvanized Fittings, Add	*227.96*	
23 21 13 23-1609	EA	12" x 6" Eccentric Reducer, Grooved	1,514.12	69.37
		For Galvanized Fittings, Add	*212.79*	
23 21 13 23-1610	EA	12" x 8" Eccentric Reducer, Grooved	1,485.54	74.39
		For Galvanized Fittings, Add	*207.34*	
23 21 13 23-1611	EA	12" x 10" Eccentric Reducer, Grooved	1,350.12	79.62
		For Galvanized Fittings, Add	*185.72*	
23 21 13 23-1612	EA	14" x 6" Eccentric Reducer, Grooved	3,670.08	74.76
		For Galvanized Fittings, Add	*109.23*	
23 21 13 23-1613	EA	14" x 8" Eccentric Reducer, Grooved	2,394.31	79.78
		For Galvanized Fittings, Add	*69.83*	
23 21 13 23-1614	EA	14" x 10" Eccentric Reducer, Grooved	2,292.80	85.01
		For Galvanized Fittings, Add	*66.48*	
23 21 13 23-1615	EA	14" x 12" Eccentric Reducer, Grooved	2,303.64	92.20
		For Galvanized Fittings, Add	*66.48*	
23 21 13 23-1616	EA	16" x 8" Eccentric Reducer, Grooved	4,056.96	85.08
		For Galvanized Fittings, Add	*120.63*	
23 21 13 23-1617	EA	16" x 10" Eccentric Reducer, Grooved	3,766.48	90.32
		For Galvanized Fittings, Add	*111.47*	
23 21 13 23-1618	EA	16" x 12" Eccentric Reducer, Grooved	3,558.12	97.58
		For Galvanized Fittings, Add	*104.74*	
23 21 13 23-1619	EA	16" x 14" Eccentric Reducer, Grooved	3,566.20	102.97
		For Galvanized Fittings, Add	*104.74*	
23 21 13 23-1620	EA	18" x 10" Eccentric Reducer, Grooved	5,081.44	95.34
		For Galvanized Fittings, Add	*151.61*	
23 21 13 23-1621	EA	18" x 12" Eccentric Reducer, Grooved	4,791.00	102.52
		For Galvanized Fittings, Add	*142.36*	
23 21 13 23-1622	EA	18" x 14" Eccentric Reducer, Grooved	4,375.01	107.91
		For Galvanized Fittings, Add	*129.34*	
23 21 13 23-1623	EA	18" x 16" Eccentric Reducer, Grooved	4,383.10	113.38
		For Galvanized Fittings, Add	*129.34*	
23 21 13 23-1624	EA	20" x 10" Eccentric Reducer, Grooved	6,654.42	97.81
		For Galvanized Fittings, Add	*199.79*	
23 21 13 23-1625	EA	20" x 12" Eccentric Reducer, Grooved	4,971.24	105.07
		For Galvanized Fittings, Add	*147.78*	
23 21 13 23-1626	EA	20" x 14" Eccentric Reducer, Grooved	4,678.38	110.46
		For Galvanized Fittings, Add	*138.54*	
23 21 13 23-1627	EA	20" x 16" Eccentric Reducer, Grooved	4,613.34	115.78
		For Galvanized Fittings, Add	*136.30*	
23 21 13 23-1628	EA	20" x 18" Eccentric Reducer, Grooved	4,450.79	120.78
		For Galvanized Fittings, Add	*131.08*	
23 21 13 23-1629	EA	24" x 12" Eccentric Reducer, Grooved	9,594.89	116.07
		For Galvanized Fittings, Add	*289.22*	
23 21 13 23-1630	EA	24" x 14" Eccentric Reducer, Grooved	8,211.26	121.39
		For Galvanized Fittings, Add	*246.50*	
23 21 13 23-1631	EA	24" x 16" Eccentric Reducer, Grooved	8,219.40	126.85
		For Galvanized Fittings, Add	*246.50*	
23 21 13 23-1632	EA	24" x 18" Eccentric Reducer, Grooved	7,771.05	131.78
		For Galvanized Fittings, Add	*232.51*	
23 21 13 23-1633	EA	24" x 20" Eccentric Reducer, Grooved	7,112.58	134.33
		For Galvanized Fittings, Add	*212.17*	

23 21 13 23-1634 Grooved Couplings *(23 21 13 23-1245)*

23 21 13 23-1635 Flexible Grooved Coupling *(23 21 13 23-1634)*

Note: Victaulic Style 77

23 21 13 23-1636	EA	3/4" Standard Coupling, Grooved	30.01	4.04
		For Galvanized Fittings, Add	*6.69*	
23 21 13 23-1637	EA	1" Standard Coupling, Grooved	30.01	4.04
		For Galvanized Fittings, Add	*6.69*	
23 21 13 23-1638	EA	1-1/4" Standard Coupling, Grooved	39.44	5.09
		For Galvanized Fittings, Add	*8.90*	
23 21 13 23-1639	EA	1-1/2" Standard Coupling, Grooved	43.88	6.06
		For Galvanized Fittings, Add	*9.73*	
23 21 13 23-1640	EA	2" Standard Coupling, Grooved	48.95	8.16
		For Galvanized Fittings, Add	*10.28*	
23 21 13 23-1641	EA	2-1/2" Standard Coupling, Grooved	58.85	9.95
		For Galvanized Fittings, Add	*12.31*	
23 21 13 23-1642	EA	3" Standard Coupling, Grooved	61.74	11.90
		For Galvanized Fittings, Add	*12.31*	
23 21 13 23-1643	EA	3-1/2" Standard Coupling, Grooved	91.72	13.92
		For Galvanized Fittings, Add	*19.83*	
23 21 13 23-1644	EA	4" Standard Coupling, Grooved	94.64	15.86
		For Galvanized Fittings, Add	*19.83*	
23 21 13 23-1645	EA	5" Standard Coupling, Grooved	138.36	19.90
		For Galvanized Fittings, Add	*30.40*	
23 21 13 23-1646	EA	6" Standard Coupling, Grooved	167.31	25.97
		For Galvanized Fittings, Add	*35.93*	
23 21 13 23-1647	EA	8" Standard Coupling, Grooved	255.60	30.98
		For Galvanized Fittings, Add	*58.57*	
23 21 13 23-1648	EA	10" Standard Coupling, Grooved	403.34	37.12
		For Galvanized Fittings, Add	*97.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1649	EA	12" Standard Coupling, Grooved	456.74	40.63
		For Galvanized Fittings, Add	*110.84*	
23 21 13 23-1650	EA	14" Standard Coupling, Grooved	562.09	54.18
		For Galvanized Fittings, Add	*134.65*	
23 21 13 23-1651	EA	16" Standard Coupling, Grooved	728.20	65.03
		For Galvanized Fittings, Add	*176.61*	
23 21 13 23-1652	EA	18" Standard Coupling, Grooved	846.98	72.22
		For Galvanized Fittings, Add	*206.84*	
23 21 13 23-1653	EA	20" Standard Coupling, Grooved	1,283.92	81.27
		For Galvanized Fittings, Add	*325.39*	
23 21 13 23-1654	EA	24" Standard Coupling, Grooved	1,424.35	99.98
		For Galvanized Fittings, Add	*356.84*	

23 21 13 23-1655 Zero-Flex® Rigid Coupling *(23 21 13 23-1634)*

Note: Victaulic Style 07

23 21 13 23-1656	EA	1" Rigid Coupling, Grooved	39.35	4.04
		For Galvanized Fittings, Add	*8.14*	
23 21 13 23-1657	EA	1-1/4" Rigid Coupling, Grooved	40.89	5.09
		For Galvanized Fittings, Add	*8.14*	
23 21 13 23-1658	EA	1-1/2" Rigid Coupling, Grooved	42.37	6.06
		For Galvanized Fittings, Add	*8.14*	
23 21 13 23-1659	EA	2" Rigid Coupling, Grooved	46.32	8.16
		For Galvanized Fittings, Add	*8.35*	
23 21 13 23-1660	EA	2-1/2" Rigid Coupling, Grooved	54.20	9.95
		For Galvanized Fittings, Add	*9.63*	
23 21 13 23-1661	EA	3" Rigid Coupling, Grooved	57.09	11.90
		For Galvanized Fittings, Add	*9.63*	
23 21 13 23-1662	EA	3-1/2" Rigid Coupling, Grooved	66.83	13.92
		For Galvanized Fittings, Add	*11.25*	
23 21 13 23-1663	EA	4" Rigid Coupling, Grooved	88.91	15.86
		For Galvanized Fittings, Add	*15.94*	
23 21 13 23-1664	EA	5" Rigid Coupling, Grooved	114.32	19.90
		For Galvanized Fittings, Add	*20.71*	
23 21 13 23-1665	EA	6" Rigid Coupling, Grooved	151.96	25.97
		For Galvanized Fittings, Add	*27.68*	
23 21 13 23-1666	EA	8" Rigid Coupling, Grooved	224.40	30.98
		For Galvanized Fittings, Add	*43.61*	
23 21 13 23-1667	EA	10" Rigid Coupling, Grooved	374.61	37.12
		For Galvanized Fittings, Add	*78.14*	
23 21 13 23-1668	EA	12" Rigid Coupling, Grooved	417.79	40.63
		For Galvanized Fittings, Add	*87.44*	
23 21 13 23-1669	EA	14" Rigid Coupling, Grooved	547.48	54.18
		For Galvanized Fittings, Add	*114.24*	
23 21 13 23-1670	EA	16" Rigid Coupling, Grooved	705.57	65.03
		For Galvanized Fittings, Add	*148.99*	
23 21 13 23-1671	EA	18" Rigid Coupling, Grooved	811.27	72.22
		For Galvanized Fittings, Add	*172.24*	
23 21 13 23-1672	EA	20" Rigid Coupling, Grooved	958.77	81.27
		For Galvanized Fittings, Add	*205.06*	
23 21 13 23-1673	EA	24" Rigid Coupling, Grooved	1,382.72	99.98
		For Galvanized Fittings, Add	*302.04*	

23 21 13 23-1674 Large Diameter Grooved Coupling *(23 21 13 23-1634)*

Note: Victaulic Style 770

23 21 13 23-1675	EA	28" Coupling, Grooved	1,509.13	19.90
		For Galvanized Fittings, Add	*207.11*	
23 21 13 23-1676	EA	30" Coupling, Grooved	1,742.15	25.97
		For Galvanized Fittings, Add	*238.44*	
23 21 13 23-1677	EA	32" Coupling, Grooved	2,597.01	30.98
		For Galvanized Fittings, Add	*357.08*	
23 21 13 23-1678	EA	36" Coupling, Grooved	3,453.70	37.12
		For Galvanized Fittings, Add	*475.72*	
23 21 13 23-1679	EA	42" Coupling, Grooved	6,933.09	40.63
		For Galvanized Fittings, Add	*962.11*	

23 21 13 23-1680 Flexible Coupling *(23 21 13 23-1634)*

Note: Victaulic Style 75

23 21 13 23-1681	EA	1-1/2" Flexible Coupling, Grooved	39.35	6.06
		For Galvanized Fittings, Add	*7.74*	
23 21 13 23-1682	EA	2" Flexible Coupling, Grooved	43.22	8.16
		For Galvanized Fittings, Add	*7.93*	
23 21 13 23-1683	EA	2-1/2" Flexible Coupling, Grooved	50.82	9.95
		For Galvanized Fittings, Add	*9.20*	
23 21 13 23-1684	EA	3" Flexible Coupling, Grooved	59.56	11.90
		For Galvanized Fittings, Add	*10.69*	
23 21 13 23-1685	EA	3-1/2" Flexible Coupling, Grooved	80.07	13.92
		For Galvanized Fittings, Add	*15.14*	
23 21 13 23-1686	EA	4" Flexible Coupling, Grooved	82.99	15.86
		For Galvanized Fittings, Add	*15.14*	
23 21 13 23-1687	EA	5" Flexible Coupling, Grooved	115.17	19.90
		For Galvanized Fittings, Add	*21.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1688	EA	6" Flexible Coupling, Grooved	141.81	25.97
		For Galvanized Fittings, Add	*26.32*	
23 21 13 23-1689	EA	8" Flexible Coupling, Grooved	208.06	30.98
		For Galvanized Fittings, Add	*41.38*	
23 21 13 23-1690		Grooved Strainers And Suction Diffusers *(23 21 13 23-1245)*		
23 21 13 23-1691		Grooved Wye Strainers *(23 21 13 23-1690)*		
		Note: Victaulic Style 732		
23 21 13 23-1692	EA	2" Wye Strainer, Grooved	546.22	16.46
23 21 13 23-1693	EA	2-1/2" Wye Strainer, Grooved	577.86	19.98
23 21 13 23-1694	EA	3" Wye Strainer, Grooved	651.67	23.94
23 21 13 23-1695	EA	4" Wye Strainer, Grooved	744.44	31.95
23 21 13 23-1696	EA	5" Wye Strainer, Grooved	1,068.91	39.96
23 21 13 23-1697	EA	6" Wye Strainer, Grooved	1,173.71	51.94
23 21 13 23-1698	EA	8" Wye Strainer, Grooved	1,772.65	61.89
23 21 13 23-1699	EA	10" Wye Strainer, Grooved	2,808.70	72.36
23 21 13 23-1700	EA	12" Wye Strainer, Grooved	4,847.36	86.89
23 21 13 23-1701		Grooved Tee Type Strainers *(23 21 13 23-1690)*		
		Note: Victaulic Style 730		
23 21 13 23-1702	EA	1-1/2" Tee Type Strainer, Grooved	421.15	12.50
23 21 13 23-1703	EA	2" Tee Type Strainer, Grooved	539.78	16.46
23 21 13 23-1704	EA	2-1/2" Tee Type Strainer, Grooved	571.17	19.98
23 21 13 23-1705	EA	3" Tee Type Strainer, Grooved	644.11	23.94
23 21 13 23-1706	EA	4" Tee Type Strainer, Grooved	735.86	31.95
23 21 13 23-1707	EA	5" Tee Type Strainer, Grooved	1,056.43	39.96
23 21 13 23-1708	EA	6" Tee Type Strainer, Grooved	1,160.25	51.94
23 21 13 23-1709	EA	8" Tee Type Strainer, Grooved	1,751.81	61.89
23 21 13 23-1710	EA	10" Tee Type Strainer, Grooved	2,544.98	72.36
23 21 13 23-1711	EA	12" Tee Type Strainer, Grooved	3,266.64	86.89
23 21 13 23-1712	EA	14" Tee Type Strainer, Grooved	11,327.04	97.81
23 21 13 23-1713	EA	16" Tee Type Strainer, Grooved	14,057.89	108.29
23 21 13 23-1714	EA	18" Tee Type Strainer, Grooved	18,453.98	118.31
23 21 13 23-1715		Grooved Suction Diffuser *(23 21 13 23-1690)*		
		Note: Victaulic Style 731		
23 21 13 23-1716	EA	2-1/2" Grooved x 2" Flanged Suction Diffuser	1,097.32	18.48
23 21 13 23-1717	EA	3" Grooved x 2" Flanged Suction Diffuser	1,165.79	20.43
23 21 13 23-1718	EA	3" Grooved x 2-1/2" Flanged Suction Diffuser	852.23	23.94
23 21 13 23-1719	EA	3" Grooved x 3" Flanged Suction Diffuser	865.88	25.97
23 21 13 23-1720	EA	4" Grooved x 2-1/2" Flanged Suction Diffuser	935.68	25.97
23 21 13 23-1721	EA	4" Grooved x 3" Flanged Suction Diffuser	1,009.42	27.99
23 21 13 23-1722	EA	4" Grooved x 4" Flanged Suction Diffuser	1,162.72	27.99
23 21 13 23-1723	EA	5" Grooved x 4" Flanged Suction Diffuser	1,302.89	35.92
23 21 13 23-1724	EA	5" Grooved x 5" Flanged Suction Diffuser	1,369.26	37.94
23 21 13 23-1725	EA	6" Grooved x 4" Flanged Suction Diffuser	1,394.55	41.91
23 21 13 23-1726	EA	6" Grooved x 5" Flanged Suction Diffuser	1,661.89	45.95
23 21 13 23-1727	EA	6" Grooved x 6" Flanged Suction Diffuser	1,727.39	48.94
23 21 13 23-1728	EA	8" Grooved x 5" Flanged Suction Diffuser	1,773.18	50.89
23 21 13 23-1729	EA	8" Grooved x 6" Flanged Suction Diffuser	1,874.63	56.87
23 21 13 23-1730	EA	8" Grooved x 8" Flanged Suction Diffuser	3,171.99	61.89
23 21 13 23-1731	EA	10" Grooved x 8" Flanged Suction Diffuser	3,575.12	66.90
23 21 13 23-1732	EA	10" Grooved x 10" Flanged Suction Diffuser	4,290.78	69.37
23 21 13 23-1733	EA	12" Grooved x 10" Flanged Suction Diffuser	5,075.22	79.85
23 21 13 23-1734	EA	12" Grooved x 12" Flanged Suction Diffuser	7,020.47	84.86
23 21 13 23-1735	EA	14" Grooved x 10" Flanged Suction Diffuser	6,542.77	84.86
23 21 13 23-1736	EA	14" Grooved x 12" Flanged Suction Diffuser	7,304.65	92.35
23 21 13 23-1737	EA	14" Grooved x 14" Flanged Suction Diffuser	8,848.92	97.81
23 21 13 23-1738	EA	16" Grooved x 14" Flanged Suction Diffuser	9,112.51	102.82
23 21 13 23-1739		Grooved Steel Valves *(23 21 13 23-1245)*		
23 21 13 23-1740		Grooved Lug Type Butterfly Valves With Standard Trim *(23 21 13 23-1739)*		
23 21 13 23-1741	EA	1-1/2" Butterfly Valve, Grooved, With Standard Trim	199.79	8.16
23 21 13 23-1742	EA	2" Butterfly Valve, Grooved, With Standard Trim	203.65	10.70
23 21 13 23-1743	EA	3" Butterfly Valve, Grooved, With Standard Trim	334.19	15.86
23 21 13 23-1744	EA	4" Butterfly Valve, Grooved, With Standard Trim	448.90	20.88
23 21 13 23-1745	EA	6" Butterfly Valve, Grooved, With Standard Trim	980.15	34.20
23 21 13 23-1746	EA	8" Butterfly Valve, Grooved, With Standard Trim	1,358.30	48.12
23 21 13 23-1747	EA	10" Butterfly Valve, Grooved, With Standard Trim	2,040.01	65.03
23 21 13 23-1748		Grooved Lug Type Butterfly Valves With Stainless Steel Trim *(23 21 13 23-1739)*		
23 21 13 23-1749	EA	1-1/2" Butterfly Valve, Grooved, With Stainless Steel Trim	300.27	8.16
23 21 13 23-1750	EA	2" Butterfly Valve, Grooved, With Stainless Steel Trim	304.13	10.70
23 21 13 23-1751	EA	3" Butterfly Valve, Grooved, With Stainless Steel Trim	470.40	15.86
23 21 13 23-1752	EA	4" Butterfly Valve, Grooved, With Stainless Steel Trim	598.50	20.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1753	EA	6" Butterfly Valve, Grooved, With Stainless Steel Trim	1,145.38	34.20
23 21 13 23-1754	EA	8" Butterfly Valve, Grooved, With Stainless Steel Trim	1,903.11	48.12
23 21 13 23-1755	EA	10" Butterfly Valve, Grooved, With Stainless Steel Trim	3,000.13	65.03
23 21 13 23-1756		**Grooved Ball Valves With Standard Trim And Handle** *(23 21 13 23-1739)*		
23 21 13 23-1757	EA	1-1/2" Ball Valve, Grooved, With Standard Trim	168.56	8.01
23 21 13 23-1758	EA	2" Ball Valve, Grooved, With Standard Trim	193.07	11.00
23 21 13 23-1759	EA	2-1/2" Ball Valve, Grooved, With Standard Trim	440.94	13.47
23 21 13 23-1760	EA	3" Ball Valve, Grooved, With Standard Trim	723.18	15.94
23 21 13 23-1761	EA	4" Ball Valve, Grooved, With Standard Trim	1,126.26	20.95
23 21 13 23-1762	EA	6" Ball Valve, Grooved, With Standard Trim	3,502.42	34.43
23 21 13 23-1763		**Grooved Ball Valves With Stainless Steel Trim And Handle** *(23 21 13 23-1739)*		
23 21 13 23-1764	EA	1-1/2" Ball Valve, Grooved, With Stainless Steel Trim	179.56	8.01
23 21 13 23-1765	EA	2" Ball Valve, Grooved, With Stainless Steel Trim	307.30	11.00
23 21 13 23-1766	EA	2-1/2" Ball Valve, Grooved, With Stainless Steel Trim	801.14	13.47
23 21 13 23-1767	EA	3" Ball Valve, Grooved, With Stainless Steel Trim	1,036.04	15.94
23 21 13 23-1768	EA	4" Ball Valve, Grooved, With Stainless Steel Trim	1,415.37	20.95
23 21 13 23-1769	EA	6" Ball Valve, Grooved, With Stainless Steel Trim	3,860.67	34.43
23 21 13 23-1770		**Grooved Check Valves** *(23 21 13 23-1739)*		
23 21 13 23-1771	EA	2" Check Valve, Grooved	255.96	11.00
23 21 13 23-1772	EA	2-1/2" Check Valve, Grooved	415.55	13.47
23 21 13 23-1773	EA	3" Check Valve, Grooved	484.17	15.94
23 21 13 23-1774	EA	4" Check Valve, Grooved	686.32	20.95
23 21 13 23-1775		**Grooved Vic-Check Check Valves** *(23 21 13 23-1739)*		
23 21 13 23-1776	EA	2-1/2" "Vic-Check" Check Valve, Grooved	332.01	13.47
23 21 13 23-1777	EA	3" "Vic-Check" Check Valve, Grooved	335.64	15.94
23 21 13 23-1778	EA	4" "Vic-Check" Check Valve, Grooved	420.61	20.95
23 21 13 23-1779	EA	6" "Vic-Check" Check Valve, Grooved	820.08	34.43
23 21 13 23-1780	EA	8" "Vic-Check" Check Valve, Grooved	1,122.12	47.90
23 21 13 23-1781	EA	10" "Vic-Check" Check Valve, Grooved	3,137.41	64.88
23 21 13 23-1782	EA	12" "Vic-Check" Check Valve, Grooved	3,715.30	74.91
23 21 13 23-1783		**Grooved Plug Valves With Lever Operator** *(23 21 13 23-1739)*		
23 21 13 23-1784	EA	3" Balancing Plug Valve, Grooved, With Lever Handle	375.15	15.94
23 21 13 23-1785	EA	4" Balancing Plug Valve, Grooved, With Lever Handle	417.94	20.95
23 21 13 23-1786	EA	6" Balancing Plug Valve, Grooved, With Lever Handle	744.64	34.43
23 21 13 23-1787		**Grooved Plug Valve With Gear Operator** *(23 21 13 23-1739)*		
23 21 13 23-1788	EA	3" Balancing Plug Valve, Grooved, With Gear Operator	658.47	15.94
23 21 13 23-1789	EA	4" Balancing Plug Valve, Grooved, With Gear Operator	701.30	20.95
23 21 13 23-1790	EA	6" Balancing Plug Valve, Grooved, With Gear Operator	1,028.00	34.43
23 21 13 23-1791	EA	8" Balancing Plug Valve, Grooved, With Gear Operator	1,376.03	47.90
23 21 13 23-1792	EA	10" Balancing Plug Valve, Grooved, With Gear Operator	2,154.10	64.88
23 21 13 23-1793	EA	12" Balancing Plug Valve, Grooved, With Gear Operator	3,108.35	74.91
23 21 13 23-1794		**Prepare Pipe For Groove** *(23 21 13 23-1245)*		
23 21 13 23-1795		**Cut Grooved Pipe** *(23 21 13 23-1794)* Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.		
23 21 13 23-1796	EA	Cut 3/4" Groove	7.84	
23 21 13 23-1797	EA	Cut 1" Groove	8.51	
23 21 13 23-1798	EA	Cut 1-1/4" Groove	9.61	
23 21 13 23-1799	EA	Cut 1-1/2" Groove	10.46	
23 21 13 23-1800	EA	Cut 2" Groove	11.46	
23 21 13 23-1801	EA	Cut 2-1/2" Groove	12.41	
23 21 13 23-1802	EA	Cut 3" Groove	13.54	
23 21 13 23-1803	EA	Cut 3-1/2" Groove	14.35	
23 21 13 23-1804	EA	Cut 4" Groove	15.28	
23 21 13 23-1805	EA	Cut 5" Groove	16.55	
23 21 13 23-1806	EA	Cut 6" Groove	17.02	
23 21 13 23-1807	EA	Cut 8" Groove	22.07	
23 21 13 23-1808	EA	Cut 10" Groove	31.36	
23 21 13 23-1809	EA	Cut 12" Groove	39.72	
23 21 13 23-1810	EA	Cut 14" Groove	59.58	
23 21 13 23-1811	EA	Cut 16" Groove	62.72	
23 21 13 23-1812	EA	Cut 18" Groove	66.20	
23 21 13 23-1813	EA	Cut 20" Groove	70.10	
23 21 13 23-1814	EA	Cut 24" Groove	79.44	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1815		**Roll Grooved Pipe** *(23 21 13 23-1794)* Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.		
23 21 13 23-1816	EA	Roll 3/4" Groove	4.48	
23 21 13 23-1817	EA	Roll 1" Groove	5.23	
23 21 13 23-1818	EA	Roll 1-1/4" Groove	5.96	
23 21 13 23-1819	EA	Roll 1-1/2" Groove	6.70	
23 21 13 23-1820	EA	Roll 2" Groove	10.27	
23 21 13 23-1821	EA	Roll 2-1/2" Groove	10.84	
23 21 13 23-1822	EA	Roll 3" Groove	11.92	
23 21 13 23-1823	EA	Roll 3-1/2" Groove	12.68	
23 21 13 23-1824	EA	Roll 4" Groove	13.86	
23 21 13 23-1825	EA	Roll 5" Groove	14.18	
23 21 13 23-1826	EA	Roll 6" Groove	14.90	
23 21 13 23-1827	EA	Roll 8" Groove	18.05	
23 21 13 23-1828	EA	Roll 10" Groove	20.55	
23 21 13 23-1829	EA	Roll 12" Groove	25.91	
23 21 13 23-1830	EA	Roll 14" Groove	39.72	
23 21 13 23-1831	EA	Roll 16" Groove	42.56	
23 21 13 23-1832	EA	Roll 18" Groove	44.14	
23 21 13 23-1833	EA	Roll 20" Groove	47.66	
23 21 13 23-1834	EA	Roll 24" Groove	51.81	
23 21 13 23-1835		**Standard Gaskets** *(23 21 13 23-1794)* Note: For use on replacement of existing gaskets.		
23 21 13 23-1836	EA	3/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	20.36	
23 21 13 23-1837	EA	1" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	20.98	
23 21 13 23-1838	EA	1-1/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	21.89	
23 21 13 23-1839	EA	1-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	23.95	
23 21 13 23-1840	EA	2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	24.41	
23 21 13 23-1841	EA	2-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	28.80	
23 21 13 23-1842	EA	3" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	31.52	
23 21 13 23-1843	EA	3-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	39.09	
23 21 13 23-1844	EA	4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	39.45	
23 21 13 23-1845	EA	5" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	49.62	
23 21 13 23-1846	EA	6" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	53.40	
23 21 13 23-1847	EA	8" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	72.77	
23 21 13 23-1848	EA	10" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	91.70	
23 21 13 23-1849	EA	12" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	107.83	
23 21 13 23-1850	EA	14" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	150.26	
23 21 13 23-1851	EA	16" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	202.17	
23 21 13 23-1852	EA	18" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	240.50	
23 21 13 23-1853	EA	20" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	359.55	
23 21 13 23-1854	EA	24" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	493.94	
23 21 13 23-1855		**Copper Grooved-Joint Pipe Fittings** *(23 21 13 23)* Note: Couplings are not included with fittings.		
23 21 13 23-1856		**Grooved Fittings** *(23 21 13 23-1855)*		
23 21 13 23-1857		**Grooved 90 Degree Elbows** *(23 21 13 23-1856)*		
23 21 13 23-1858	EA	2" Copper 90 Degree Elbow, Grooved	44.09	12.20
23 21 13 23-1859	EA	2-1/2" Copper 90 Degree Elbow, Grooved	51.19	14.89
23 21 13 23-1860	EA	3" Copper 90 Degree Elbow, Grooved	66.40	18.04
23 21 13 23-1861	EA	4" Copper 90 Degree Elbow, Grooved	118.57	23.80
23 21 13 23-1862	EA	5" Copper 90 Degree Elbow, Grooved	262.50	29.79
23 21 13 23-1863	EA	6" Copper 90 Degree Elbow, Grooved	402.41	38.99
23 21 13 23-1864	EA	8" Copper 90 Degree Elbow, Grooved	702.65	46.40
23 21 13 23-1865		**Grooved 45 Degree Elbows** *(23 21 13 23-1856)*		
23 21 13 23-1866	EA	2" Copper 45 Degree Elbow, Grooved	44.09	12.20
23 21 13 23-1867	EA	2-1/2" Copper 45 Degree Elbow, Grooved	51.19	14.89
23 21 13 23-1868	EA	3" Copper 45 Degree Elbow, Grooved	66.40	18.04
23 21 13 23-1869	EA	4" Copper 45 Degree Elbow, Grooved	118.57	23.80
23 21 13 23-1870	EA	5" Copper 45 Degree Elbow, Grooved	262.50	29.79
23 21 13 23-1871	EA	6" Copper 45 Degree Elbow, Grooved	402.41	38.99
23 21 13 23-1872	EA	8" Copper 45 Degree Elbow, Grooved	702.65	46.40
23 21 13 23-1873		**Grooved Tees** *(23 21 13 23-1856)*		
23 21 13 23-1874	EA	2" Copper Tee, Grooved	68.79	17.96
23 21 13 23-1875	EA	2-1/2" Copper Tee, Grooved	79.09	22.08
23 21 13 23-1876	EA	3" Copper Tee, Grooved	106.64	27.09
23 21 13 23-1877	EA	4" Copper Tee, Grooved	186.18	35.02
23 21 13 23-1878	EA	5" Copper Tee, Grooved	419.00	45.80
23 21 13 23-1879	EA	6" Copper Tee, Grooved	519.50	57.32
23 21 13 23-1880	EA	8" Copper Tee, Grooved	862.85	69.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1881		**Grooved Reducing Tees** *(23 21 13 23-1856)*		
23 21 13 23-1882	EA	2-1/2" Copper Tee, Reducing, Grooved	96.93	22.08
23 21 13 23-1883	EA	3" Copper Tee, Reducing, Grooved	116.49	27.09
23 21 13 23-1884	EA	4" Copper Tee, Reducing, Grooved	223.29	35.09
23 21 13 23-1885	EA	5" Copper Tee, Reducing, Grooved	561.13	45.87
23 21 13 23-1886	EA	6" Copper Tee, Reducing, Grooved	688.18	57.32
23 21 13 23-1887		**Grooved X Cup Reducing Tees** *(23 21 13 23-1856)*		
23 21 13 23-1888	EA	2" Copper Tee, Reducing, Grooved X Cup	78.23	17.96
23 21 13 23-1889	EA	2-1/2" Copper Tee, Reducing, Grooved X Cup	97.02	22.08
23 21 13 23-1890	EA	3" Copper Tee, Reducing, Grooved X Cup	116.49	27.09
23 21 13 23-1891	EA	4" Copper Tee, Reducing, Grooved X Cup	223.29	35.02
23 21 13 23-1892		**Grooved Flanged Adapter Nipples** *(23 21 13 23-1856)*		
23 21 13 23-1893	EA	2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	129.75	13.25
23 21 13 23-1894	EA	2-1/2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	139.85	16.09
23 21 13 23-1895	EA	3" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	151.06	19.23
23 21 13 23-1896	EA	4" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	175.39	25.90
23 21 13 23-1897	EA	5" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	229.09	31.36
23 21 13 23-1898	EA	6" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	266.16	42.36
23 21 13 23-1899		**Grooved Concentric Reducers** *(23 21 13 23-1856)*		
23 21 13 23-1900	EA	2-1/2" x 2" Copper Concentric Reducer, Grooved	55.97	13.62
23 21 13 23-1901	EA	3" x 2" Copper Concentric Reducer, Grooved	58.96	15.19
23 21 13 23-1902	EA	3" x 2-1/2" Copper Concentric Reducer, Grooved	64.76	18.04
23 21 13 23-1903	EA	4" x 2" Copper Concentric Reducer, Grooved	95.94	18.18
23 21 13 23-1904	EA	4" x 2-1/2" Copper Concentric Reducer, Grooved	98.56	19.46
23 21 13 23-1905	EA	4" x 3" Copper Concentric Reducer, Grooved	101.55	20.95
23 21 13 23-1906	EA	5" x 3" Copper Concentric Reducer, Grooved	217.48	23.94
23 21 13 23-1907	EA	5" x 4" Copper Concentric Reducer, Grooved	223.47	26.94
23 21 13 23-1908	EA	6" x 3" Copper Concentric Reducer, Grooved	240.51	28.44
23 21 13 23-1909	EA	6" x 4" Copper Concentric Reducer, Grooved	246.49	31.43
23 21 13 23-1910	EA	6" x 5" Copper Concentric Reducer, Grooved	252.49	34.43
23 21 13 23-1911	EA	8" x 6" Copper Concentric Reducer, Grooved	408.43	42.66
23 21 13 23-1912		**Grooved X Cup Concentric Reducers** *(23 21 13 23-1856)*		
23 21 13 23-1913	EA	2" x 1" Copper Concentric Reducer, Grooved X Cup	42.89	9.58
23 21 13 23-1914	EA	2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup	43.63	9.95
23 21 13 23-1915	EA	2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	45.92	11.08
23 21 13 23-1916	EA	2-1/2" x 1" Copper Concentric Reducer, Grooved X Cup	50.55	10.70
23 21 13 23-1917	EA	2-1/2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup	51.29	11.08
23 21 13 23-1918	EA	2-1/2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	53.49	12.20
23 21 13 23-1919	EA	2-1/2" x 2" Copper Concentric Reducer, Grooved X Cup	56.49	13.62
23 21 13 23-1920	EA	3" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	63.59	13.62
23 21 13 23-1921	EA	3" x 2" Copper Concentric Reducer, Grooved X Cup	66.58	15.19
23 21 13 23-1922	EA	4" x 2" Copper Concentric Reducer, Grooved X Cup	104.65	18.11
23 21 13 23-1923		**Grooved Standard Couplings** *(23 21 13 23-1856)*		
23 21 13 23-1924	EA	2" Copper Standard Coupling, Grooved	24.86	6.13
23 21 13 23-1925	EA	2-1/2" Copper Standard Coupling, Grooved	29.29	7.48
23 21 13 23-1926	EA	3" Copper Standard Coupling, Grooved	33.87	8.90
23 21 13 23-1927	EA	4" Copper Standard Coupling, Grooved	48.56	11.98
23 21 13 23-1928	EA	5" Copper Standard Coupling, Grooved	72.28	14.89
23 21 13 23-1929	EA	6" Copper Standard Coupling, Grooved	95.72	19.46
23 21 13 23-1930	EA	8" Copper Standard Coupling, Grooved	134.64	23.20
23 21 13 23-1931		**Grooved Caps** *(23 21 13 23-1856)*		
23 21 13 23-1932	EA	2" Copper Cap, Grooved	25.63	6.13
23 21 13 23-1933	EA	2-1/2" Copper Cap, Grooved	30.00	7.48
23 21 13 23-1934	EA	3" Copper Cap, Grooved	36.78	8.90
23 21 13 23-1935	EA	4" Copper Cap, Grooved	62.11	11.90
23 21 13 23-1936	EA	5" Copper Cap, Grooved	208.27	14.89
23 21 13 23-1937	EA	6" Copper Cap, Grooved	359.65	19.46
23 21 13 23-1938		**Grooved Valves** *(23 21 13 23-1855)*		
23 21 13 23-1939		**Grooved Butterfly Valves, Standard Trim, Without Operator** *(23 21 13 23-1938)*		
		Note: Copper body.		
23 21 13 23-1940	EA	2" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	329.94	8.01
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1941	EA	3" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	375.37	11.90
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-1942	EA	4" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	496.19	15.64
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-1943	EA	6" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	662.27	25.67
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-1944	EA	8" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	730.35	36.07
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	

23 21 13 23-1945 Grooved Butterfly Valves, Standard Trim, With Operator *(23 21 13 23-1938)*

Note: Copper body.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1946	EA	2" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	403.02	8.01
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-1947	EA	3" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	448.49	11.90
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-1948	EA	4" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	569.32	15.64
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-1949	EA	6" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	735.45	25.67
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-1950	EA	8" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	803.48	36.07
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	

23 21 13 23-1951 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings *(23 21 13 23)*

Note: Socket or back weld.

23 21 13 23-1952 Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings *(23 21 13 23-1951)*

Note: ASTM D1785 with D2466 fittings.

23 21 13 23-1953 Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe *(23 21 13 23-1952)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1954	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	3.42	2.17
		For Work In Restricted Working Space, Add	*0.96*	
23 21 13 23-1955	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	4.28	2.69
		For Work In Restricted Working Space, Add	*1.20*	
23 21 13 23-1956	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	4.66	2.84
		For Work In Restricted Working Space, Add	*1.28*	
23 21 13 23-1957	LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	5.10	3.07
		For Work In Restricted Working Space, Add	*1.38*	
23 21 13 23-1958	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	5.25	3.14
		For Work In Restricted Working Space, Add	*1.40*	
23 21 13 23-1959	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	6.39	3.74
		For Work In Restricted Working Space, Add	*1.68*	
23 21 13 23-1960	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	7.89	4.41
		For Work In Restricted Working Space, Add	*2.00*	
23 21 13 23-1961	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	9.66	5.39
		For Work In Restricted Working Space, Add	*2.42*	
23 21 13 23-1962	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	14.39	8.08
		For Work In Restricted Working Space, Add	*3.62*	
23 21 13 23-1963	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	20.15	10.70
		For Work In Restricted Working Space, Add	*4.83*	
23 21 13 23-1964	LF	8" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	25.34	12.79
		For Work In Restricted Working Space, Add	*5.76*	
23 21 13 23-1965	LF	10" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	40.23	14.29
		For Work In Restricted Working Space, Add	*6.42*	

23 21 13 23-1966 Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows *(23 21 13 23-1952)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1967	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	12.35	8.08
		For Work In Restricted Working Space, Add	*3.62*	
23 21 13 23-1968	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	16.49	10.70
		For Work In Restricted Working Space, Add	*4.83*	
23 21 13 23-1969	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	20.64	13.32
		For Work In Restricted Working Space, Add	*5.99*	
23 21 13 23-1970	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	29.51	18.86
		For Work In Restricted Working Space, Add	*8.47*	
23 21 13 23-1971	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	33.20	21.25
		For Work In Restricted Working Space, Add	*9.56*	
23 21 13 23-1972	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	42.57	27.02
		For Work In Restricted Working Space, Add	*12.14*	
23 21 13 23-1973	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	66.32	39.96
		For Work In Restricted Working Space, Add	*17.96*	
23 21 13 23-1974	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	86.53	52.54
		For Work In Restricted Working Space, Add	*23.63*	
23 21 13 23-1975	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	107.39	62.41
		For Work In Restricted Working Space, Add	*28.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1976	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	140.05	71.32
		For Work In Restricted Working Space, Add	*32.07*	
23 21 13 23-1977	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	210.05	83.22
		For Work In Restricted Working Space, Add	*37.42*	
23 21 13 23-1978	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	313.83	124.08
		For Work In Restricted Working Space, Add	*55.79*	

23 21 13 23-1979 Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows *(23 21 13 23-1952)*

23 21 13 23-1980	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	12.48	8.08
		For Work In Restricted Working Space, Add	*3.62*	
23 21 13 23-1981	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	16.76	10.70
		For Work In Restricted Working Space, Add	*4.83*	
23 21 13 23-1982	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	21.03	13.32
		For Work In Restricted Working Space, Add	*5.99*	
23 21 13 23-1983	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	29.76	18.86
		For Work In Restricted Working Space, Add	*8.47*	
23 21 13 23-1984	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	33.75	21.25
		For Work In Restricted Working Space, Add	*9.56*	
23 21 13 23-1985	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	42.93	27.02
		For Work In Restricted Working Space, Add	*12.14*	
23 21 13 23-1986	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	66.32	39.96
		For Work In Restricted Working Space, Add	*17.96*	
23 21 13 23-1987	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	88.84	52.54
		For Work In Restricted Working Space, Add	*23.63*	
23 21 13 23-1988	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	111.61	62.41
		For Work In Restricted Working Space, Add	*28.07*	
23 21 13 23-1989	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	140.43	71.32
		For Work In Restricted Working Space, Add	*32.07*	
23 21 13 23-1990	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	205.39	83.22
		For Work In Restricted Working Space, Add	*37.42*	
23 21 13 23-1991	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	313.83	124.08
		For Work In Restricted Working Space, Add	*55.79*	

23 21 13 23-1992 Schedule 40 Polyvinyl Chloride (PVC) Tees *(23 21 13 23-1952)*

23 21 13 23-1993	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	20.28	13.32
		For Work In Restricted Working Space, Add	*5.99*	
23 21 13 23-1994	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Tees	24.50	16.09
		For Work In Restricted Working Space, Add	*7.24*	
23 21 13 23-1995	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Tees	32.54	21.25
		For Work In Restricted Working Space, Add	*9.56*	
23 21 13 23-1996	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Tees	41.55	27.02
		For Work In Restricted Working Space, Add	*12.14*	
23 21 13 23-1997	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	49.63	32.18
		For Work In Restricted Working Space, Add	*14.48*	
23 21 13 23-1998	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Tees	61.83	39.96
		For Work In Restricted Working Space, Add	*17.96*	
23 21 13 23-1999	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	85.29	52.54
		For Work In Restricted Working Space, Add	*23.63*	
23 21 13 23-2000	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Tees	102.07	62.41
		For Work In Restricted Working Space, Add	*28.07*	
23 21 13 23-2001	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Tees	140.17	83.22
		For Work In Restricted Working Space, Add	*37.42*	
23 21 13 23-2002	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Tees	212.99	107.31
		For Work In Restricted Working Space, Add	*48.28*	
23 21 13 23-2003	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Tees	320.30	133.13
		For Work In Restricted Working Space, Add	*59.87*	
23 21 13 23-2004	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Tees	770.72	198.92
		For Work In Restricted Working Space, Add	*89.47*	

23 21 13 23-2005 Schedule 40 Polyvinyl Chloride (PVC) Crosses *(23 21 13 23-1952)*

23 21 13 23-2006	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	25.47	16.61
		For Work In Restricted Working Space, Add	*7.49*	
23 21 13 23-2007	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses	30.74	20.14
		For Work In Restricted Working Space, Add	*9.05*	
23 21 13 23-2008	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Crosses	40.89	26.56
		For Work In Restricted Working Space, Add	*11.94*	
23 21 13 23-2009	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses	52.30	33.75
		For Work In Restricted Working Space, Add	*15.17*	
23 21 13 23-2010	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	62.48	40.26
		For Work In Restricted Working Space, Add	*18.11*	
23 21 13 23-2011	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	77.91	49.92
		For Work In Restricted Working Space, Add	*22.45*	
23 21 13 23-2012	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	108.67	65.70
		For Work In Restricted Working Space, Add	*29.54*	
23 21 13 23-2013	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Crosses	130.28	77.98
		For Work In Restricted Working Space, Add	*35.08*	
23 21 13 23-2014	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Crosses	180.11	104.02
		For Work In Restricted Working Space, Add	*46.77*	
23 21 13 23-2015	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Crosses	282.67	134.11
		For Work In Restricted Working Space, Add	*60.32*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2016	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Crosses	438.60	166.28
		For Work In Restricted Working Space, Add	*74.80*	
23 21 13 23-2017	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Crosses	1,113.64	248.76
		For Work In Restricted Working Space, Add	*111.89*	

23 21 13 23-2018 Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts *(23 21 13 23-1952)*

23 21 13 23-2019	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	16.35	10.70
		For Work In Restricted Working Space, Add	*4.83*	
23 21 13 23-2020	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	20.47	13.32
		For Work In Restricted Working Space, Add	*5.99*	
23 21 13 23-2021	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	28.93	18.86
		For Work In Restricted Working Space, Add	*8.47*	
23 21 13 23-2022	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	32.57	21.25
		For Work In Restricted Working Space, Add	*9.56*	
23 21 13 23-2023	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	41.66	27.02
		For Work In Restricted Working Space, Add	*12.14*	
23 21 13 23-2024	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	61.80	39.96
		For Work In Restricted Working Space, Add	*17.96*	
23 21 13 23-2025	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	81.67	52.54
		For Work In Restricted Working Space, Add	*23.63*	
23 21 13 23-2026	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	100.08	62.41
		For Work In Restricted Working Space, Add	*28.07*	
23 21 13 23-2027	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	123.15	71.32
		For Work In Restricted Working Space, Add	*32.07*	
23 21 13 23-2028	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	218.09	83.22
		For Work In Restricted Working Space, Add	*37.42*	
23 21 13 23-2029	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	248.54	96.62
		For Work In Restricted Working Space, Add	*43.47*	

23 21 13 23-2030 Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts *(23 21 13 23-1952)*

23 21 13 23-2031	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	12.65	8.08
		For Work In Restricted Working Space, Add	*3.62*	
23 21 13 23-2032	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	16.68	10.70
		For Work In Restricted Working Space, Add	*4.83*	
23 21 13 23-2033	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	20.67	13.32
		For Work In Restricted Working Space, Add	*5.99*	
23 21 13 23-2034	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	29.34	18.86
		For Work In Restricted Working Space, Add	*8.47*	
23 21 13 23-2035	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	33.12	21.25
		For Work In Restricted Working Space, Add	*9.56*	
23 21 13 23-2036	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	42.19	27.02
		For Work In Restricted Working Space, Add	*12.14*	
23 21 13 23-2037	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	62.38	39.96
		For Work In Restricted Working Space, Add	*17.96*	
23 21 13 23-2038	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	81.67	52.54
		For Work In Restricted Working Space, Add	*23.63*	
23 21 13 23-2039	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	100.08	62.41
		For Work In Restricted Working Space, Add	*28.07*	

23 21 13 23-2040 Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters *(23 21 13 23-1952)*

23 21 13 23-2041	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	12.84	8.08
		For Work In Restricted Working Space, Add	*3.62*	
23 21 13 23-2042	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	16.87	10.70
		For Work In Restricted Working Space, Add	*4.83*	
23 21 13 23-2043	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	21.05	13.32
		For Work In Restricted Working Space, Add	*5.99*	
23 21 13 23-2044	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	29.56	18.86
		For Work In Restricted Working Space, Add	*8.47*	
23 21 13 23-2045	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	33.61	21.25
		For Work In Restricted Working Space, Add	*9.56*	
23 21 13 23-2046	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	42.63	27.02
		For Work In Restricted Working Space, Add	*12.14*	
23 21 13 23-2047	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	62.87	39.96
		For Work In Restricted Working Space, Add	*17.96*	
23 21 13 23-2048	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	83.19	52.54
		For Work In Restricted Working Space, Add	*23.63*	
23 21 13 23-2049	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	99.20	62.41
		For Work In Restricted Working Space, Add	*28.07*	

23 21 13 23-2050 Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters *(23 21 13 23-1952)*

23 21 13 23-2051	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	12.35	8.08
		For Work In Restricted Working Space, Add	*3.62*	
23 21 13 23-2052	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	16.46	10.70
		For Work In Restricted Working Space, Add	*4.83*	
23 21 13 23-2053	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	20.36	13.32
		For Work In Restricted Working Space, Add	*5.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2054	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	28.90	18.86
		For Work In Restricted Working Space, Add	*8.47*	
23 21 13 23-2055	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	32.62	21.25
		For Work In Restricted Working Space, Add	*9.56*	
23 21 13 23-2056	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	41.50	27.02
		For Work In Restricted Working Space, Add	*12.14*	
23 21 13 23-2057	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	64.42	39.96
		For Work In Restricted Working Space, Add	*17.96*	
23 21 13 23-2058	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	84.90	52.54
		For Work In Restricted Working Space, Add	*23.63*	
23 21 13 23-2059	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	103.67	62.41
		For Work In Restricted Working Space, Add	*28.07*	
23 21 13 23-2060		**Schedule 40 Polyvinyl Chloride (PVC) P-Traps** *(23 21 13 23-1952)*		
23 21 13 23-2061	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) P-Traps	18.47	11.00
		For Work In Restricted Working Space, Add	*4.94*	
23 21 13 23-2062		**Schedule 40 Polyvinyl Chloride (PVC) Couplings** *(23 21 13 23-1952)*		
23 21 13 23-2063	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings	12.24	8.08
		For Work In Restricted Working Space, Add	*3.62*	
23 21 13 23-2064	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings	16.32	10.70
		For Work In Restricted Working Space, Add	*4.83*	
23 21 13 23-2065	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Couplings	20.36	13.32
		For Work In Restricted Working Space, Add	*5.99*	
23 21 13 23-2066	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings	28.79	18.86
		For Work In Restricted Working Space, Add	*8.47*	
23 21 13 23-2067	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings	32.46	21.25
		For Work In Restricted Working Space, Add	*9.56*	
23 21 13 23-2068	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Couplings	41.39	27.02
		For Work In Restricted Working Space, Add	*12.14*	
23 21 13 23-2069	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings	61.97	39.96
		For Work In Restricted Working Space, Add	*17.96*	
23 21 13 23-2070	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Couplings	82.06	52.54
		For Work In Restricted Working Space, Add	*23.63*	
23 21 13 23-2071	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Couplings	98.32	62.41
		For Work In Restricted Working Space, Add	*28.07*	
23 21 13 23-2072	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Couplings	122.02	71.32
		For Work In Restricted Working Space, Add	*32.07*	
23 21 13 23-2073	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Couplings	152.96	83.22
		For Work In Restricted Working Space, Add	*37.42*	
23 21 13 23-2074	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Couplings	263.26	89.20
		For Work In Restricted Working Space, Add	*40.11*	
23 21 13 23-2075		**Schedule 40 Polyvinyl Chloride (PVC) Unions** *(23 21 13 23-1952)*		
23 21 13 23-2076	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions	21.34	13.32
		For Work In Restricted Working Space, Add	*5.99*	
23 21 13 23-2077	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Unions	28.80	16.09
		For Work In Restricted Working Space, Add	*7.24*	
23 21 13 23-2078	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Unions	37.06	21.25
		For Work In Restricted Working Space, Add	*9.56*	
23 21 13 23-2079	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Unions	53.13	27.02
		For Work In Restricted Working Space, Add	*12.14*	
23 21 13 23-2080	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions	61.51	32.18
		For Work In Restricted Working Space, Add	*14.48*	
23 21 13 23-2081	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Unions	77.71	39.96
		For Work In Restricted Working Space, Add	*17.96*	
23 21 13 23-2082	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions	111.14	52.54
		For Work In Restricted Working Space, Add	*23.63*	
23 21 13 23-2083	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Unions	127.84	62.41
		For Work In Restricted Working Space, Add	*28.07*	
23 21 13 23-2084	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Unions	192.74	83.22
		For Work In Restricted Working Space, Add	*37.42*	
23 21 13 23-2085	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Unions	252.03	107.31
		For Work In Restricted Working Space, Add	*48.26*	
23 21 13 23-2086	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Unions	349.86	133.06
		For Work In Restricted Working Space, Add	*59.84*	
23 21 13 23-2087	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Unions	495.58	165.16
		For Work In Restricted Working Space, Add	*74.30*	
23 21 13 23-2088		**Schedule 40 Polyvinyl Chloride (PVC) Caps** *(23 21 13 23-1952)*		
23 21 13 23-2089	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps	12.44	8.18
		For Work In Restricted Working Space, Add	*3.67*	
23 21 13 23-2090	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Caps	16.38	10.70
		For Work In Restricted Working Space, Add	*4.83*	
23 21 13 23-2091	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Caps	20.39	13.32
		For Work In Restricted Working Space, Add	*5.99*	
23 21 13 23-2092	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Caps	29.22	19.10
		For Work In Restricted Working Space, Add	*8.58*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2093		EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps	32.51	21.25
			For Work In Restricted Working Space, Add	*9.56*	
23 21 13 23-2094		EA	2" Schedule 40 Polyvinyl Chloride (PVC) Caps	41.25	27.02
			For Work In Restricted Working Space, Add	*12.14*	
23 21 13 23-2095		EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps	62.49	39.96
			For Work In Restricted Working Space, Add	*17.96*	
23 21 13 23-2096		EA	3" Schedule 40 Polyvinyl Chloride (PVC) Caps	81.62	52.54
			For Work In Restricted Working Space, Add	*23.63*	
23 21 13 23-2097		EA	4" Schedule 40 Polyvinyl Chloride (PVC) Caps	100.06	62.41
			For Work In Restricted Working Space, Add	*28.07*	
23 21 13 23-2098		EA	6" Schedule 40 Polyvinyl Chloride (PVC) Caps	122.49	71.32
			For Work In Restricted Working Space, Add	*32.07*	
23 21 13 23-2099		EA	8" Schedule 40 Polyvinyl Chloride (PVC) Caps	176.83	83.22
			For Work In Restricted Working Space, Add	*37.42*	
23 21 13 23-2100		EA	10" Schedule 40 Polyvinyl Chloride (PVC) Caps	326.48	89.20
			For Work In Restricted Working Space, Add	*40.11*	

23 21 13 23-2101 Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges *(23 21 13 23-1952)*

23 21 13 23-2102		EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Socket Weld Flanges	25.49	13.32
			For Work In Restricted Working Space, Add	*5.99*	
23 21 13 23-2103		EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	32.63	16.09
			For Work In Restricted Working Space, Add	*7.24*	
23 21 13 23-2104		EA	1" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	41.31	21.25
			For Work In Restricted Working Space, Add	*9.56*	
23 21 13 23-2105		EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	50.18	27.02
			For Work In Restricted Working Space, Add	*12.14*	
23 21 13 23-2106		EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	58.23	32.18
			For Work In Restricted Working Space, Add	*14.48*	
23 21 13 23-2107		EA	2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	73.10	39.96
			For Work In Restricted Working Space, Add	*17.96*	
23 21 13 23-2108		EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	99.21	52.54
			For Work In Restricted Working Space, Add	*23.63*	
23 21 13 23-2109		EA	3" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	116.10	62.41
			For Work In Restricted Working Space, Add	*28.07*	
23 21 13 23-2110		EA	4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	153.29	83.22
			For Work In Restricted Working Space, Add	*37.42*	
23 21 13 23-2111		EA	6" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	205.78	107.31
			For Work In Restricted Working Space, Add	*48.26*	
23 21 13 23-2112		EA	8" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	300.77	133.06
			For Work In Restricted Working Space, Add	*59.84*	
23 21 13 23-2113		EA	10" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	475.61	164.94
			For Work In Restricted Working Space, Add	*74.18*	

23 21 13 23-2114 Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings *(23 21 13 23-1951)*

Note: ASTM D1785 with D2467 fittings.

23 21 13 23-2115 Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe *(23 21 13 23-2114)*

23 21 13 23-2116		LF	1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	3.48	2.17
			For Work In Restricted Working Space, Add	*0.96*	
23 21 13 23-2117		LF	3/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	4.35	2.69
			For Work In Restricted Working Space, Add	*1.20*	
23 21 13 23-2118		LF	1" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	5.31	3.21
			For Work In Restricted Working Space, Add	*1.44*	
23 21 13 23-2119		LF	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	6.31	3.74
			For Work In Restricted Working Space, Add	*1.69*	
23 21 13 23-2120		LF	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	7.24	4.26
			For Work In Restricted Working Space, Add	*1.93*	
23 21 13 23-2121		LF	2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	9.23	5.39
			For Work In Restricted Working Space, Add	*2.42*	
23 21 13 23-2122		LF	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	10.61	5.91
			For Work In Restricted Working Space, Add	*2.66*	
23 21 13 23-2123		LF	3" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	12.00	6.44
			For Work In Restricted Working Space, Add	*2.90*	
23 21 13 23-2124		LF	4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	15.50	8.08
			For Work In Restricted Working Space, Add	*3.62*	
23 21 13 23-2125		LF	6" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	22.62	10.70
			For Work In Restricted Working Space, Add	*4.83*	
23 21 13 23-2126		LF	8" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	29.12	12.79
			For Work In Restricted Working Space, Add	*5.76*	
23 21 13 23-2127		LF	10" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	51.26	13.77
			For Work In Restricted Working Space, Add	*6.20*	

23 21 13 23-2128 Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows *(23 21 13 23-2114)*

23 21 13 23-2129		EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	13.06	8.08
			For Work In Restricted Working Space, Add	*3.62*	
			For Threaded Fittings, Add	*1.81*	
23 21 13 23-2130		EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	17.40	10.70
			For Work In Restricted Working Space, Add	*4.83*	
			For Threaded Fittings, Add	*2.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2131	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	22.05	13.32
		For Work In Restricted Working Space, Add	*5.99*	
		For Threaded Fittings, Add	*2.99*	
23 21 13 23-2132	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	31.02	18.86
		For Work In Restricted Working Space, Add	*8.47*	
		For Threaded Fittings, Add	*4.24*	
23 21 13 23-2133	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	34.83	21.25
		For Work In Restricted Working Space, Add	*9.56*	
		For Threaded Fittings, Add	*4.78*	
23 21 13 23-2134	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	44.06	27.02
		For Work In Restricted Working Space, Add	*12.14*	
		For Threaded Fittings, Add	*6.07*	
23 21 13 23-2135	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	68.33	39.96
		For Work In Restricted Working Space, Add	*17.96*	
		For Threaded Fittings, Add	*8.98*	
23 21 13 23-2136	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	88.29	52.54
		For Work In Restricted Working Space, Add	*23.63*	
		For Threaded Fittings, Add	*11.82*	
23 21 13 23-2137	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	108.00	62.41
		For Work In Restricted Working Space, Add	*28.07*	
		For Threaded Fittings, Add	*14.03*	
23 21 13 23-2138	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	159.10	71.32
		For Work In Restricted Working Space, Add	*32.07*	
		For Threaded Fittings, Add	*16.04*	
23 21 13 23-2139	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	238.17	83.22
		For Work In Restricted Working Space, Add	*37.42*	
		For Threaded Fittings, Add	*18.71*	
23 21 13 23-2140	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	336.99	139.50
		For Work In Restricted Working Space, Add	*62.74*	
		For Threaded Fittings, Add	*31.37*	

23 21 13 23-2141 Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows *(23 21 13 23-2114)*

23 21 13 23-2142	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	13.97	8.08
		For Work In Restricted Working Space, Add	*3.62*	
		For Threaded Fittings, Add	*1.81*	
23 21 13 23-2143	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	18.99	10.70
		For Work In Restricted Working Space, Add	*4.83*	
		For Threaded Fittings, Add	*2.42*	
23 21 13 23-2144	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	24.31	13.32
		For Work In Restricted Working Space, Add	*5.99*	
		For Threaded Fittings, Add	*2.99*	
23 21 13 23-2145	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	33.81	18.86
		For Work In Restricted Working Space, Add	*8.47*	
		For Threaded Fittings, Add	*4.24*	
23 21 13 23-2146	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	38.41	21.25
		For Work In Restricted Working Space, Add	*9.56*	
		For Threaded Fittings, Add	*4.78*	
23 21 13 23-2147	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	48.97	27.02
		For Work In Restricted Working Space, Add	*12.14*	
		For Threaded Fittings, Add	*6.07*	
23 21 13 23-2148	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	77.79	39.96
		For Work In Restricted Working Space, Add	*17.96*	
		For Threaded Fittings, Add	*8.98*	
23 21 13 23-2149	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	100.59	52.54
		For Work In Restricted Working Space, Add	*23.63*	
		For Threaded Fittings, Add	*11.82*	
23 21 13 23-2150	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	132.84	62.41
		For Work In Restricted Working Space, Add	*28.07*	
		For Threaded Fittings, Add	*14.03*	
23 21 13 23-2151	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	156.37	71.32
		For Work In Restricted Working Space, Add	*32.07*	
		For Threaded Fittings, Add	*16.04*	
23 21 13 23-2152	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	231.97	83.22
		For Work In Restricted Working Space, Add	*37.42*	
		For Threaded Fittings, Add	*18.71*	
23 21 13 23-2153	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	330.02	139.50
		For Work In Restricted Working Space, Add	*62.74*	
		For Threaded Fittings, Add	*31.37*	

23 21 13 23-2154 Schedule 80 Polyvinyl Chloride (PVC) Tees *(23 21 13 23-2114)*

23 21 13 23-2155	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees	21.79	12.65
		For Work In Restricted Working Space, Add	*5.69*	
		For Threaded Fittings, Add	*2.84*	
23 21 13 23-2156	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Tees	27.12	16.09
		For Work In Restricted Working Space, Add	*7.24*	
		For Threaded Fittings, Add	*3.62*	
23 21 13 23-2157	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Tees	35.57	21.25
		For Work In Restricted Working Space, Add	*9.56*	
		For Threaded Fittings, Add	*4.78*	
23 21 13 23-2158	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Tees	50.73	27.02
		For Work In Restricted Working Space, Add	*12.14*	
		For Threaded Fittings, Add	*6.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2159	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees	58.56	32.18
		For Work In Restricted Working Space, Add	*14.48*	
		For Threaded Fittings, Add	*7.24*	
23 21 13 23-2160	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Tees	72.74	39.96
		For Work In Restricted Working Space, Add	*17.96*	
		For Threaded Fittings, Add	*8.98*	
23 21 13 23-2161	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees	92.79	52.54
		For Work In Restricted Working Space, Add	*23.63*	
		For Threaded Fittings, Add	*11.82*	
23 21 13 23-2162	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Tees	111.03	62.41
		For Work In Restricted Working Space, Add	*28.07*	
		For Threaded Fittings, Add	*14.03*	
23 21 13 23-2163	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Tees	144.99	83.22
		For Work In Restricted Working Space, Add	*37.42*	
		For Threaded Fittings, Add	*18.71*	
23 21 13 23-2164	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Tees	230.17	107.31
		For Work In Restricted Working Space, Add	*48.28*	
		For Threaded Fittings, Add	*24.14*	
23 21 13 23-2165	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Tees	360.12	133.13
		For Work In Restricted Working Space, Add	*59.87*	
		For Threaded Fittings, Add	*29.93*	
23 21 13 23-2166	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Tees	770.75	198.92
		For Work In Restricted Working Space, Add	*89.47*	
		For Threaded Fittings, Add	*44.74*	

23 21 13 23-2167 Schedule 80 Polyvinyl Chloride (PVC) Crosses *(23 21 13 23-2114)*

23 21 13 23-2168	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	28.13	15.79
		For Work In Restricted Working Space, Add	*7.10*	
		For Threaded Fittings, Add	*3.55*	
23 21 13 23-2169	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses	34.85	20.14
		For Work In Restricted Working Space, Add	*9.05*	
		For Threaded Fittings, Add	*4.53*	
23 21 13 23-2170	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Crosses	45.64	26.56
		For Work In Restricted Working Space, Add	*11.94*	
		For Threaded Fittings, Add	*5.97*	
23 21 13 23-2171	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses	66.69	33.75
		For Work In Restricted Working Space, Add	*15.17*	
		For Threaded Fittings, Add	*7.59*	
23 21 13 23-2172	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	76.48	40.26
		For Work In Restricted Working Space, Add	*18.11*	
		For Threaded Fittings, Add	*9.05*	
23 21 13 23-2173	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	95.02	49.92
		For Work In Restricted Working Space, Add	*22.45*	
		For Threaded Fittings, Add	*11.23*	
23 21 13 23-2174	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	120.43	65.70
		For Work In Restricted Working Space, Add	*29.54*	
		For Threaded Fittings, Add	*14.77*	
23 21 13 23-2175	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Crosses	144.33	77.98
		For Work In Restricted Working Space, Add	*35.08*	
		For Threaded Fittings, Add	*17.54*	
23 21 13 23-2176	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Crosses	187.68	104.02
		For Work In Restricted Working Space, Add	*46.77*	
		For Threaded Fittings, Add	*23.39*	
23 21 13 23-2177	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Crosses	309.60	134.11
		For Work In Restricted Working Space, Add	*60.32*	
		For Threaded Fittings, Add	*30.16*	
23 21 13 23-2178	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Crosses	501.02	166.28
		For Work In Restricted Working Space, Add	*74.80*	
		For Threaded Fittings, Add	*37.40*	
23 21 13 23-2179	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Crosses	1,113.69	248.76
		For Work In Restricted Working Space, Add	*111.89*	
		For Threaded Fittings, Add	*55.95*	

23 21 13 23-2180 Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts *(23 21 13 23-2114)*

23 21 13 23-2181	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	16.68	10.70
		For Work In Restricted Working Space, Add	*4.83*	
		For Threaded Fittings, Add	*2.42*	
23 21 13 23-2182	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	21.63	13.32
		For Work In Restricted Working Space, Add	*5.99*	
		For Threaded Fittings, Add	*2.99*	
23 21 13 23-2183	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	30.89	18.86
		For Work In Restricted Working Space, Add	*8.47*	
		For Threaded Fittings, Add	*4.24*	
23 21 13 23-2184	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	35.46	21.25
		For Work In Restricted Working Space, Add	*9.56*	
		For Threaded Fittings, Add	*4.78*	
23 21 13 23-2185	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	45.61	27.02
		For Work In Restricted Working Space, Add	*12.14*	
		For Threaded Fittings, Add	*6.07*	
23 21 13 23-2186	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	68.80	39.96
		For Work In Restricted Working Space, Add	*17.96*	
		For Threaded Fittings, Add	*8.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2187	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	92.98	52.54
		For Work In Restricted Working Space, Add	*23.63*	
		For Threaded Fittings, Add	*11.82*	
23 21 13 23-2188	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	113.23	62.41
		For Work In Restricted Working Space, Add	*28.07*	
		For Threaded Fittings, Add	*14.03*	
23 21 13 23-2189	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	128.74	71.32
		For Work In Restricted Working Space, Add	*32.07*	
		For Threaded Fittings, Add	*16.04*	
23 21 13 23-2190	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	173.19	83.22
		For Work In Restricted Working Space, Add	*37.42*	
		For Threaded Fittings, Add	*18.71*	
23 21 13 23-2191	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	248.55	96.62
		For Work In Restricted Working Space, Add	*43.47*	
		For Threaded Fittings, Add	*21.74*	

23 21 13 23-2192 Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts *(23 21 13 23-2114)*

23 21 13 23-2193	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	12.26	8.08
		For Work In Restricted Working Space, Add	*3.62*	
		For Threaded Fittings, Add	*1.81*	
23 21 13 23-2194	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	17.18	10.70
		For Work In Restricted Working Space, Add	*4.83*	
		For Threaded Fittings, Add	*2.42*	
23 21 13 23-2195	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	21.63	13.32
		For Work In Restricted Working Space, Add	*5.99*	
		For Threaded Fittings, Add	*2.99*	
23 21 13 23-2196	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	31.66	18.86
		For Work In Restricted Working Space, Add	*8.47*	
		For Threaded Fittings, Add	*4.24*	
23 21 13 23-2197	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	36.15	21.25
		For Work In Restricted Working Space, Add	*9.56*	
		For Threaded Fittings, Add	*4.78*	
23 21 13 23-2198	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	45.72	27.02
		For Work In Restricted Working Space, Add	*12.14*	
		For Threaded Fittings, Add	*6.07*	
23 21 13 23-2199	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	71.01	39.96
		For Work In Restricted Working Space, Add	*17.96*	
		For Threaded Fittings, Add	*8.98*	
23 21 13 23-2200	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	99.40	52.54
		For Work In Restricted Working Space, Add	*23.63*	
		For Threaded Fittings, Add	*11.82*	
23 21 13 23-2201	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	125.25	62.41
		For Work In Restricted Working Space, Add	*28.07*	
		For Threaded Fittings, Add	*14.03*	

23 21 13 23-2202 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters *(23 21 13 23-2114)*

23 21 13 23-2203	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	14.41	8.08
		For Work In Restricted Working Space, Add	*3.62*	
		For Threaded Fittings, Add	*1.81*	
23 21 13 23-2204	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	18.69	10.70
		For Work In Restricted Working Space, Add	*4.83*	
		For Threaded Fittings, Add	*2.42*	
23 21 13 23-2205	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	24.47	13.32
		For Work In Restricted Working Space, Add	*5.99*	
		For Threaded Fittings, Add	*2.99*	
23 21 13 23-2206	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	33.53	18.86
		For Work In Restricted Working Space, Add	*8.47*	
		For Threaded Fittings, Add	*4.24*	
23 21 13 23-2207	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	39.46	21.25
		For Work In Restricted Working Space, Add	*9.56*	
		For Threaded Fittings, Add	*4.78*	
23 21 13 23-2208	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	50.37	27.02
		For Work In Restricted Working Space, Add	*12.14*	
		For Threaded Fittings, Add	*6.07*	
23 21 13 23-2209	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	71.17	39.96
		For Work In Restricted Working Space, Add	*17.96*	
		For Threaded Fittings, Add	*8.98*	
23 21 13 23-2210	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	91.32	52.54
		For Work In Restricted Working Space, Add	*23.63*	
		For Threaded Fittings, Add	*11.82*	
23 21 13 23-2211	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	115.85	62.41
		For Work In Restricted Working Space, Add	*28.07*	
		For Threaded Fittings, Add	*14.03*	

23 21 13 23-2212 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters *(23 21 13 23-2114)*

23 21 13 23-2213	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	13.78	8.08
		For Work In Restricted Working Space, Add	*3.62*	
		For Threaded Fittings, Add	*1.81*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2214	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	18.64	10.70
		For Work In Restricted Working Space, Add	*4.83*	
		For Threaded Fittings, Add	*2.42*	
23 21 13 23-2215	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	23.70	13.32
		For Work In Restricted Working Space, Add	*5.99*	
		For Threaded Fittings, Add	*2.99*	
23 21 13 23-2216	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	34.33	18.86
		For Work In Restricted Working Space, Add	*8.47*	
		For Threaded Fittings, Add	*4.24*	
23 21 13 23-2217	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	39.32	21.25
		For Work In Restricted Working Space, Add	*9.56*	
		For Threaded Fittings, Add	*4.78*	
23 21 13 23-2218	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	53.46	27.02
		For Work In Restricted Working Space, Add	*12.14*	
		For Threaded Fittings, Add	*6.07*	
23 21 13 23-2219	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	80.43	39.96
		For Work In Restricted Working Space, Add	*17.96*	
		For Threaded Fittings, Add	*8.98*	
23 21 13 23-2220	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	101.94	52.54
		For Work In Restricted Working Space, Add	*23.63*	
		For Threaded Fittings, Add	*11.82*	
23 21 13 23-2221	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	133.36	62.41
		For Work In Restricted Working Space, Add	*28.07*	
		For Threaded Fittings, Add	*14.03*	

23 21 13 23-2222 Schedule 80 Polyvinyl Chloride (PVC) Couplings *(23 21 13 23-2114)*

23 21 13 23-2223	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	13.89	8.08
		For Work In Restricted Working Space, Add	*3.62*	
		For Threaded Fittings, Add	*1.81*	
23 21 13 23-2224	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings	18.55	10.70
		For Work In Restricted Working Space, Add	*4.83*	
		For Threaded Fittings, Add	*2.42*	
23 21 13 23-2225	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Couplings	22.49	13.32
		For Work In Restricted Working Space, Add	*5.99*	
		For Threaded Fittings, Add	*2.99*	
23 21 13 23-2226	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings	32.13	18.86
		For Work In Restricted Working Space, Add	*8.47*	
		For Threaded Fittings, Add	*4.24*	
23 21 13 23-2227	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	36.04	21.25
		For Work In Restricted Working Space, Add	*9.56*	
		For Threaded Fittings, Add	*4.78*	
23 21 13 23-2228	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	44.92	27.02
		For Work In Restricted Working Space, Add	*12.14*	
		For Threaded Fittings, Add	*6.07*	
23 21 13 23-2229	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	70.92	39.96
		For Work In Restricted Working Space, Add	*17.96*	
		For Threaded Fittings, Add	*8.98*	
23 21 13 23-2230	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Couplings	91.49	52.54
		For Work In Restricted Working Space, Add	*23.63*	
		For Threaded Fittings, Add	*11.82*	
23 21 13 23-2231	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Couplings	109.48	62.41
		For Work In Restricted Working Space, Add	*28.07*	
		For Threaded Fittings, Add	*14.03*	
23 21 13 23-2232	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Couplings	141.18	71.32
		For Work In Restricted Working Space, Add	*32.07*	
		For Threaded Fittings, Add	*16.04*	
23 21 13 23-2233	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Couplings	171.37	83.22
		For Work In Restricted Working Space, Add	*37.42*	
		For Threaded Fittings, Add	*18.71*	
23 21 13 23-2234	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Couplings	271.53	89.20
		For Work In Restricted Working Space, Add	*40.11*	
		For Threaded Fittings, Add	*20.06*	

23 21 13 23-2235 Schedule 80 Polyvinyl Chloride (PVC) Unions *(23 21 13 23-2114)*

23 21 13 23-2236	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	24.03	13.32
		For Work In Restricted Working Space, Add	*5.99*	
		For Threaded Fittings, Add	*2.99*	
23 21 13 23-2237	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Unions	28.85	16.09
		For Work In Restricted Working Space, Add	*7.24*	
		For Threaded Fittings, Add	*3.62*	
23 21 13 23-2238	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Unions	37.23	21.25
		For Work In Restricted Working Space, Add	*9.56*	
		For Threaded Fittings, Add	*4.78*	
23 21 13 23-2239	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Unions	53.90	27.02
		For Work In Restricted Working Space, Add	*12.14*	
		For Threaded Fittings, Add	*6.07*	
23 21 13 23-2240	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	65.59	32.18
		For Work In Restricted Working Space, Add	*14.48*	
		For Threaded Fittings, Add	*7.24*	
23 21 13 23-2241	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Unions	83.33	39.96
		For Work In Restricted Working Space, Add	*17.96*	
		For Threaded Fittings, Add	*8.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2242	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	122.46	52.54
		For Work In Restricted Working Space, Add	*23.63*	
		For Threaded Fittings, Add	*11.82*	
23 21 13 23-2243	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Unions	149.85	62.41
		For Work In Restricted Working Space, Add	*28.07*	
		For Threaded Fittings, Add	*14.03*	
23 21 13 23-2244	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Unions	192.90	83.22
		For Work In Restricted Working Space, Add	*37.42*	
		For Threaded Fittings, Add	*18.71*	
23 21 13 23-2245	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Unions	252.03	107.31
		For Work In Restricted Working Space, Add	*48.26*	
		For Threaded Fittings, Add	*24.13*	
23 21 13 23-2246	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Unions	349.86	133.06
		For Work In Restricted Working Space, Add	*59.84*	
		For Threaded Fittings, Add	*29.92*	
23 21 13 23-2247	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Unions	495.19	164.94
		For Work In Restricted Working Space, Add	*74.18*	
		For Threaded Fittings, Add	*37.09*	

23 21 13 23-2248 Schedule 80 Polyvinyl Chloride (PVC) Caps *(23 21 13 23-2114)*

23 21 13 23-2249	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	14.63	8.08
		For Work In Restricted Working Space, Add	*3.62*	
		For Threaded Fittings, Add	*1.81*	
23 21 13 23-2250	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Caps	18.80	10.70
		For Work In Restricted Working Space, Add	*4.83*	
		For Threaded Fittings, Add	*2.42*	
23 21 13 23-2251	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Caps	24.75	13.32
		For Work In Restricted Working Space, Add	*5.99*	
		For Threaded Fittings, Add	*2.99*	
23 21 13 23-2252	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Caps	34.03	18.86
		For Work In Restricted Working Space, Add	*8.47*	
		For Threaded Fittings, Add	*4.24*	
23 21 13 23-2253	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	37.64	21.25
		For Work In Restricted Working Space, Add	*9.56*	
		For Threaded Fittings, Add	*4.78*	
23 21 13 23-2254	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Caps	49.13	27.02
		For Work In Restricted Working Space, Add	*12.14*	
		For Threaded Fittings, Add	*6.07*	
23 21 13 23-2255	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	77.71	39.96
		For Work In Restricted Working Space, Add	*17.96*	
		For Threaded Fittings, Add	*8.98*	
23 21 13 23-2256	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Caps	100.59	52.54
		For Work In Restricted Working Space, Add	*23.63*	
		For Threaded Fittings, Add	*11.82*	
23 21 13 23-2257	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Caps	128.62	62.41
		For Work In Restricted Working Space, Add	*28.07*	
		For Threaded Fittings, Add	*14.03*	
23 21 13 23-2258	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Caps	194.02	71.32
		For Work In Restricted Working Space, Add	*32.07*	
		For Threaded Fittings, Add	*16.04*	
23 21 13 23-2259	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Caps	244.40	83.22
		For Work In Restricted Working Space, Add	*37.42*	
		For Threaded Fittings, Add	*18.71*	
23 21 13 23-2260	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Caps	354.05	89.20
		For Work In Restricted Working Space, Add	*40.11*	
		For Threaded Fittings, Add	*20.06*	

23 21 13 23-2261 Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges *(23 21 13 23-2114)*

23 21 13 23-2262	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	27.86	13.32
		For Work In Restricted Working Space, Add	*5.99*	
		For Threaded Fittings, Add	*2.99*	
23 21 13 23-2263	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	32.63	16.09
		For Work In Restricted Working Space, Add	*7.24*	
		For Threaded Fittings, Add	*3.62*	
23 21 13 23-2264	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	41.31	21.25
		For Work In Restricted Working Space, Add	*9.56*	
		For Threaded Fittings, Add	*4.78*	
23 21 13 23-2265	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	50.18	27.02
		For Work In Restricted Working Space, Add	*12.14*	
		For Threaded Fittings, Add	*6.07*	
23 21 13 23-2266	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	58.23	32.18
		For Work In Restricted Working Space, Add	*14.48*	
		For Threaded Fittings, Add	*7.24*	
23 21 13 23-2267	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	73.10	39.96
		For Work In Restricted Working Space, Add	*17.96*	
		For Threaded Fittings, Add	*8.98*	
23 21 13 23-2268	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	99.21	52.54
		For Work In Restricted Working Space, Add	*23.63*	
		For Threaded Fittings, Add	*11.82*	
23 21 13 23-2269	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	116.10	62.41
		For Work In Restricted Working Space, Add	*28.07*	
		For Threaded Fittings, Add	*14.03*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2270	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	153.29	83.22
		For Work In Restricted Working Space, Add	*37.42*	
		For Threaded Fittings, Add	*18.71*	
23 21 13 23-2271	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	205.78	107.31
		For Work In Restricted Working Space, Add	*48.26*	
		For Threaded Fittings, Add	*24.13*	
23 21 13 23-2272	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	300.77	133.06
		For Work In Restricted Working Space, Add	*59.84*	
		For Threaded Fittings, Add	*29.92*	
23 21 13 23-2273	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	475.61	164.94
		For Work In Restricted Working Space, Add	*74.18*	
		For Threaded Fittings, Add	*37.09*	

23 21 13 23-2274 Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe *(23 21 13 23-1951)*

Note: In place pipe.

23 21 13 23-2275	EA	1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	4.07	
		For Work In Restricted Working Space, Add	*1.22*	
23 21 13 23-2276	EA	3/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	4.39	
		For Work In Restricted Working Space, Add	*1.32*	
23 21 13 23-2277	EA	1", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	4.94	
		For Work In Restricted Working Space, Add	*1.48*	
23 21 13 23-2278	EA	1-1/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	5.19	
		For Work In Restricted Working Space, Add	*1.56*	
23 21 13 23-2279	EA	1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	5.49	
		For Work In Restricted Working Space, Add	*1.65*	
23 21 13 23-2280	EA	2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	6.04	
		For Work In Restricted Working Space, Add	*1.81*	
23 21 13 23-2281	EA	2-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	6.50	
		For Work In Restricted Working Space, Add	*1.95*	
23 21 13 23-2282	EA	3", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	7.68	
		For Work In Restricted Working Space, Add	*2.30*	
23 21 13 23-2283	EA	4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	10.37	
		For Work In Restricted Working Space, Add	*3.11*	
23 21 13 23-2284	EA	6", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	14.81	
		For Work In Restricted Working Space, Add	*4.44*	
23 21 13 23-2285	EA	8", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	19.75	
		For Work In Restricted Working Space, Add	*5.93*	
23 21 13 23-2286	EA	10", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	24.15	
		For Work In Restricted Working Space, Add	*7.25*	

23 21 13 23-2287 Polyethylene Pipe And Fittings *(23 21 13 23)*

23 21 13 23-2288 Small Diameter Tubing *(23 21 13 23-2287)*

23 21 13 23-2289 Tubing *(23 21 13 23-2288)*

23 21 13 23-2290	LF	1/4" Polyethylene Tubing	2.31	
		For Work In Restricted Working Space, Add	*0.68*	
23 21 13 23-2291	LF	5/16" Polyethylene Tubing	2.40	
		For Work In Restricted Working Space, Add	*0.69*	
23 21 13 23-2292	LF	3/8" Polyethylene Tubing	2.47	
		For Work In Restricted Working Space, Add	*0.71*	
23 21 13 23-2293	LF	1/2" Polyethylene Tubing	2.63	
		For Work In Restricted Working Space, Add	*0.77*	

23 21 13 23-2294 Chrome Plated Pipe *(23 21 13 23)*

23 21 13 23-2295 Chrome Plated Nipples *(23 21 13 23-2294)*

23 21 13 23-2296 Close *(23 21 13 23-2295)*

23 21 13 23-2297	EA	1/4" Diameter Chrome Plated Nipple, Close	13.07	6.50
23 21 13 23-2298	EA	3/8" Diameter Chrome Plated Nipple, Close	12.96	7.07
23 21 13 23-2299	EA	1/2" Diameter Chrome Plated Nipple, Close	15.76	8.12
23 21 13 23-2300	EA	3/4" Diameter Chrome Plated Nipple, Close	20.47	10.32
23 21 13 23-2301	EA	1" Diameter Chrome Plated Nipple, Close	27.27	13.57
23 21 13 23-2302	EA	1-1/4" Diameter Chrome Plated Nipple, Close	38.50	18.94
23 21 13 23-2303	EA	1-1/2" Diameter Chrome Plated Nipple, Close	46.45	22.19
23 21 13 23-2304	EA	2" Diameter Chrome Plated Nipple, Close	59.31	27.64

23 21 13 23-2305 1-1/2" Nipples *(23 21 13 23-2295)*

23 21 13 23-2306	EA	1/4" Diameter Chrome Plated Nipple, 1-1/2" Length	13.85	6.75
23 21 13 23-2307	EA	3/8" Diameter Chrome Plated Nipple, 1-1/2" Length	13.61	7.32
23 21 13 23-2308	EA	1/2" Diameter Chrome Plated Nipple, 1-1/2" Length	16.19	8.38
23 21 13 23-2309	EA	3/4" Diameter Chrome Plated Nipple, 1-1/2" Length	21.13	10.57

23 21 13 23-2310 2" Nipples *(23 21 13 23-2295)*

23 21 13 23-2311	EA	1/4" Diameter Chrome Plated Nipple, 2" Length	14.41	7.07
23 21 13 23-2312	EA	3/8" Diameter Chrome Plated Nipple, 2" Length	14.10	7.56
23 21 13 23-2313	EA	1/2" Diameter Chrome Plated Nipple, 2" Length	17.21	8.70

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2314	EA	3/4" Diameter Chrome Plated Nipple, 2" Length	22.05	10.81
23 21 13 23-2315	EA	1" Diameter Chrome Plated Nipple, 2" Length	28.70	14.06
23 21 13 23-2316	EA	1-1/4" Diameter Chrome Plated Nipple, 2" Length	40.65	19.51
23 21 13 23-2317	EA	1-1/2" Diameter Chrome Plated Nipple, 2" Length	48.90	22.76
23 21 13 23-2318		**2-1/2" Nipples** *(23 21 13 23-2295)*		
23 21 13 23-2319	EA	1/4" Diameter Chrome Plated Nipple, 2-1/2" Length	15.17	7.32
23 21 13 23-2320	EA	3/8" Diameter Chrome Plated Nipple, 2-1/2" Length	14.62	7.88
23 21 13 23-2321	EA	1/2" Diameter Chrome Plated Nipple, 2-1/2" Length	17.91	8.94
23 21 13 23-2322	EA	3/4" Diameter Chrome Plated Nipple, 2-1/2" Length	22.58	11.14
23 21 13 23-2323	EA	1" Diameter Chrome Plated Nipple, 2-1/2" Length	29.46	14.39
23 21 13 23-2324	EA	1-1/4" Diameter Chrome Plated Nipple, 2-1/2" Length	42.58	19.75
23 21 13 23-2325	EA	1-1/2" Diameter Chrome Plated Nipple, 2-1/2" Length	51.44	23.01
23 21 13 23-2326	EA	2" Diameter Chrome Plated Nipple, 2-1/2" Length	64.96	28.45
23 21 13 23-2327		**3" Nipples** *(23 21 13 23-2295)*		
23 21 13 23-2328	EA	1/4" Diameter Chrome Plated Nipple, 3" Length	15.78	7.56
23 21 13 23-2329	EA	3/8" Diameter Chrome Plated Nipple, 3" Length	15.37	8.12
23 21 13 23-2330	EA	1/2" Diameter Chrome Plated Nipple, 3" Length	17.58	8.70
23 21 13 23-2331	EA	3/4" Diameter Chrome Plated Nipple, 3" Length	24.03	11.38
23 21 13 23-2332	EA	1" Diameter Chrome Plated Nipple, 3" Length	32.26	14.63
23 21 13 23-2333	EA	1-1/4" Diameter Chrome Plated Nipple, 3" Length	44.70	20.08
23 21 13 23-2334	EA	1-1/2" Diameter Chrome Plated Nipple, 3" Length	57.20	23.33
23 21 13 23-2335	EA	2" Diameter Chrome Plated Nipple, 3" Length	69.51	28.77
23 21 13 23-2336		**3-1/2" Nipples** *(23 21 13 23-2295)*		
23 21 13 23-2337	EA	1/4" Diameter Chrome Plated Nipple, 3-1/2" Length	16.47	7.88
23 21 13 23-2338	EA	3/8" Diameter Chrome Plated Nipple, 3-1/2" Length	16.55	8.38
23 21 13 23-2339	EA	1/2" Diameter Chrome Plated Nipple, 3-1/2" Length	19.34	9.51
23 21 13 23-2340	EA	3/4" Diameter Chrome Plated Nipple, 3-1/2" Length	26.12	11.63
23 21 13 23-2341	EA	1" Diameter Chrome Plated Nipple, 3-1/2" Length	33.43	14.88
23 21 13 23-2342	EA	1-1/4" Diameter Chrome Plated Nipple, 3-1/2" Length	48.67	20.33
23 21 13 23-2343	EA	1-1/2" Diameter Chrome Plated Nipple, 3-1/2" Length	59.04	23.58
23 21 13 23-2344	EA	2" Diameter Chrome Plated Nipple, 3-1/2" Length	73.17	29.03
23 21 13 23-2345		**4" Nipples** *(23 21 13 23-2295)*		
23 21 13 23-2346	EA	1/4" Diameter Chrome Plated Nipple, 4" Length	17.13	8.12
23 21 13 23-2347	EA	3/8" Diameter Chrome Plated Nipple, 4" Length	16.99	8.70
23 21 13 23-2348	EA	1/2" Diameter Chrome Plated Nipple, 4" Length	19.33	9.18
23 21 13 23-2349	EA	3/4" Diameter Chrome Plated Nipple, 4" Length	27.01	11.95
23 21 13 23-2350	EA	1" Diameter Chrome Plated Nipple, 4" Length	34.55	15.20
23 21 13 23-2351	EA	1-1/4" Diameter Chrome Plated Nipple, 4" Length	51.73	20.57
23 21 13 23-2352	EA	1-1/2" Diameter Chrome Plated Nipple, 4" Length	62.65	23.82
23 21 13 23-2353	EA	2" Diameter Chrome Plated Nipple, 4" Length	77.59	29.27
23 21 13 23-2354		**4-1/2" Nipples** *(23 21 13 23-2295)*		
23 21 13 23-2355	EA	1/4" Diameter Chrome Plated Nipple, 4-1/2" Length	17.75	8.38
23 21 13 23-2356	EA	3/8" Diameter Chrome Plated Nipple, 4-1/2" Length	18.20	8.94
23 21 13 23-2357	EA	1/2" Diameter Chrome Plated Nipple, 4-1/2" Length	21.15	10.00
23 21 13 23-2358	EA	3/4" Diameter Chrome Plated Nipple, 4-1/2" Length	28.04	12.19
23 21 13 23-2359	EA	1" Diameter Chrome Plated Nipple, 4-1/2" Length	38.09	15.44
23 21 13 23-2360	EA	1-1/4" Diameter Chrome Plated Nipple, 4-1/2" Length	54.69	20.89
23 21 13 23-2361	EA	1-1/2" Diameter Chrome Plated Nipple, 4-1/2" Length	64.34	24.14
23 21 13 23-2362	EA	2" Diameter Chrome Plated Nipple, 4-1/2" Length	81.68	29.59
23 21 13 23-2363		**5" Nipples** *(23 21 13 23-2295)*		
23 21 13 23-2364	EA	1/4" Diameter Chrome Plated Nipple, 5" Length	19.49	8.70
23 21 13 23-2365	EA	3/8" Diameter Chrome Plated Nipple, 5" Length	18.99	9.18
23 21 13 23-2366	EA	1/2" Diameter Chrome Plated Nipple, 5" Length	21.85	10.32
23 21 13 23-2367	EA	3/4" Diameter Chrome Plated Nipple, 5" Length	29.03	12.43
23 21 13 23-2368	EA	1" Diameter Chrome Plated Nipple, 5" Length	40.29	15.69
23 21 13 23-2369	EA	1-1/4" Diameter Chrome Plated Nipple, 5" Length	57.38	21.13
23 21 13 23-2370	EA	1-1/2" Diameter Chrome Plated Nipple, 5" Length	67.97	24.38
23 21 13 23-2371	EA	2" Diameter Chrome Plated Nipple, 5" Length	84.36	29.83
23 21 13 23-2372		**5-1/2" Nipples** *(23 21 13 23-2295)*		
23 21 13 23-2373	EA	1/4" Diameter Chrome Plated Nipple, 5-1/2" Length	20.13	8.94
23 21 13 23-2374	EA	3/8" Diameter Chrome Plated Nipple, 5-1/2" Length	19.64	9.51
23 21 13 23-2375	EA	1/2" Diameter Chrome Plated Nipple, 5-1/2" Length	23.59	10.57
23 21 13 23-2376	EA	3/4" Diameter Chrome Plated Nipple, 5-1/2" Length	30.01	12.77
23 21 13 23-2377	EA	1" Diameter Chrome Plated Nipple, 5-1/2" Length	41.51	16.02
23 21 13 23-2378	EA	1-1/4" Diameter Chrome Plated Nipple, 5-1/2" Length	60.61	21.38
23 21 13 23-2379	EA	1-1/2" Diameter Chrome Plated Nipple, 5-1/2" Length	70.87	24.64

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2380	EA	2" Diameter Chrome Plated Nipple, 5-1/2" Length	87.76	30.08
23 21 13 23-2381		**6" Nipples** *(23 21 13 23-2295)*		
23 21 13 23-2382	EA	1/4" Diameter Chrome Plated Nipple, 6" Length	20.84	9.18
23 21 13 23-2383	EA	3/8" Diameter Chrome Plated Nipple, 6" Length	20.08	9.76
23 21 13 23-2384	EA	1/2" Diameter Chrome Plated Nipple, 6" Length	24.28	10.81
23 21 13 23-2385	EA	3/4" Diameter Chrome Plated Nipple, 6" Length	30.84	13.01
23 21 13 23-2386	EA	1" Diameter Chrome Plated Nipple, 6" Length	44.94	16.26
23 21 13 23-2387	EA	1-1/4" Diameter Chrome Plated Nipple, 6" Length	62.66	21.71
23 21 13 23-2388	EA	1-1/2" Diameter Chrome Plated Nipple, 6" Length	75.29	24.96
23 21 13 23-2389	EA	2" Diameter Chrome Plated Nipple, 6" Length	90.86	30.41
23 21 13 23-2390		**8" Nipples** *(23 21 13 23-2295)*		
23 21 13 23-2391	EA	3/8" Diameter Chrome Plated Nipple, 8" Length	23.28	10.32
23 21 13 23-2392	EA	1/2" Diameter Chrome Plated Nipple, 8" Length	32.48	11.38
23 21 13 23-2393	EA	3/4" Diameter Chrome Plated Nipple, 8" Length	39.35	13.57
23 21 13 23-2394	EA	1" Diameter Chrome Plated Nipple, 8" Length	51.69	16.82
23 21 13 23-2395	EA	1-1/4" Diameter Chrome Plated Nipple, 8" Length	73.21	22.19
23 21 13 23-2396	EA	1-1/2" Diameter Chrome Plated Nipple, 8" Length	89.01	25.44
23 21 13 23-2397	EA	2" Diameter Chrome Plated Nipple, 8" Length	109.42	30.89
23 21 13 23-2398		**10" Nipples** *(23 21 13 23-2295)*		
23 21 13 23-2399	EA	3/8" Diameter Chrome Plated Nipple, 10" Length	26.07	10.32
23 21 13 23-2400	EA	1/2" Diameter Chrome Plated Nipple, 10" Length	35.98	11.38
23 21 13 23-2401	EA	3/4" Diameter Chrome Plated Nipple, 10" Length	43.41	13.57
23 21 13 23-2402	EA	1" Diameter Chrome Plated Nipple, 10" Length	57.83	16.82
23 21 13 23-2403	EA	1-1/4" Diameter Chrome Plated Nipple, 10" Length	86.36	22.19
23 21 13 23-2404	EA	1-1/2" Diameter Chrome Plated Nipple, 10" Length	99.03	25.44
23 21 13 23-2405	EA	2" Diameter Chrome Plated Nipple, 10" Length	125.43	30.89
23 21 13 23-2406		**12" Nipples** *(23 21 13 23-2295)*		
23 21 13 23-2407	EA	3/8" Diameter Chrome Plated Nipple, 12" Length	29.03	11.38
23 21 13 23-2408	EA	1/2" Diameter Chrome Plated Nipple, 12" Length	37.67	11.95
23 21 13 23-2409	EA	3/4" Diameter Chrome Plated Nipple, 12" Length	47.49	14.06
23 21 13 23-2410	EA	1" Diameter Chrome Plated Nipple, 12" Length	66.96	17.88
23 21 13 23-2411	EA	1-1/4" Diameter Chrome Plated Nipple, 12" Length	96.07	23.33
23 21 13 23-2412	EA	2" Diameter Chrome Plated Nipple, 12" Length	139.91	32.03
23 21 13 23-2413		**18" Nipples** *(23 21 13 23-2295)*		
23 21 13 23-2414	EA	3/8" Diameter Chrome Plated Nipple, 18" Length	35.72	11.95
23 21 13 23-2415		**24" Nipples** *(23 21 13 23-2295)*		
23 21 13 23-2416	EA	3/8" Diameter Chrome Plated Nipple, 24" Length	42.13	12.43
23 21 13 23-2417		**30" Nipples** *(23 21 13 23-2295)*		
23 21 13 23-2418	EA	3/8" Diameter Chrome Plated Nipple, 30" Length	46.32	13.01
23 21 13 23-2419		**36" Nipples** *(23 21 13 23-2295)*		
23 21 13 23-2420	EA	3/8" Diameter Chrome Plated Nipple, 36" Length	50.53	13.57
23 21 13 23-2421		**Chrome Plated Fittings** *(23 21 13 23-2294)*		
23 21 13 23-2422		**Chrome Plated 90 Degree Elbows** *(23 21 13 23-2421)*		
23 21 13 23-2423	EA	1/4" 90 Degree Elbow, Chrome Plated	16.06	7.56
23 21 13 23-2424	EA	3/8" 90 Degree Elbow, Chrome Plated	16.57	8.12
23 21 13 23-2425	EA	1/2" 90 Degree Elbow, Chrome Plated	18.42	8.70
23 21 13 23-2426	EA	3/4" 90 Degree Elbow, Chrome Plated	23.67	11.38
23 21 13 23-2427	EA	1" 90 Degree Elbow, Chrome Plated	31.73	14.63
23 21 13 23-2428	EA	1-1/4" 90 Degree Elbow, Chrome Plated	47.61	20.08
23 21 13 23-2429	EA	1-1/2" 90 Degree Elbow, Chrome Plated	56.82	23.33
23 21 13 23-2430	EA	2" 90 Degree Elbow, Chrome Plated	76.23	28.77
23 21 13 23-2431		**Chrome Plated Street 90 Degree Elbows** *(23 21 13 23-2421)*		
23 21 13 23-2432	EA	1/4" Street 90 Degree Elbow, Chrome Plated	18.02	7.56
23 21 13 23-2433	EA	3/8" Street 90 Degree Elbow, Chrome Plated	18.72	8.12
23 21 13 23-2434	EA	1/2" Street 90 Degree Elbow, Chrome Plated	19.92	8.70
23 21 13 23-2435	EA	3/4" Street 90 Degree Elbow, Chrome Plated	25.87	11.38
23 21 13 23-2436	EA	1" Street 90 Degree Elbow, Chrome Plated	35.80	14.63
23 21 13 23-2437	EA	1-1/4" Street 90 Degree Elbow, Chrome Plated	51.78	20.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2438	EA	1-1/2" Street 90 Degree Elbow, Chrome Plated	62.66	23.33
23 21 13 23-2439	EA	2" Street 90 Degree Elbow, Chrome Plated	89.99	28.77
23 21 13 23-2440		**Chrome Plated 45 Degree Elbows** *(23 21 13 23-2421)*		
23 21 13 23-2441	EA	1/4" 45 Degree Elbow, Chrome Plated	16.49	7.56
23 21 13 23-2442	EA	3/8" 45 Degree Elbow, Chrome Plated	17.19	8.12
23 21 13 23-2443	EA	1/2" 45 Degree Elbow, Chrome Plated	18.87	8.70
23 21 13 23-2444	EA	3/4" 45 Degree Elbow, Chrome Plated	25.35	11.38
23 21 13 23-2445	EA	1" 45 Degree Elbow, Chrome Plated	33.62	14.63
23 21 13 23-2446	EA	1-1/4" 45 Degree Elbow, Chrome Plated	49.87	20.08
23 21 13 23-2447	EA	1-1/2" 45 Degree Elbow, Chrome Plated	59.84	23.33
23 21 13 23-2448	EA	2" 45 Degree Elbow, Chrome Plated	84.55	28.77
23 21 13 23-2449		**Chrome Plated Street 45 Degree Elbows** *(23 21 13 23-2421)*		
23 21 13 23-2450	EA	1/2" Street 45 Degree Elbow, Chrome Plated	21.56	8.70
23 21 13 23-2451		**Chrome Plated Couplings** *(23 21 13 23-2421)*		
23 21 13 23-2452	EA	1/4" Coupling, Chrome Plated	15.79	7.56
23 21 13 23-2453	EA	3/8" Coupling, Chrome Plated	16.60	8.12
23 21 13 23-2454	EA	1/2" Coupling, Chrome Plated	18.53	8.70
23 21 13 23-2455	EA	3/4" Coupling, Chrome Plated	23.71	11.38
23 21 13 23-2456	EA	1" Coupling, Chrome Plated	30.80	14.63
23 21 13 23-2457	EA	1-1/4" Coupling, Chrome Plated	44.22	20.08
23 21 13 23-2458	EA	1-1/2" Coupling, Chrome Plated	53.98	23.33
23 21 13 23-2459	EA	2" Coupling, Chrome Plated	72.77	28.77
23 21 13 23-2460		**Chrome Plated Unions** *(23 21 13 23-2421)*		
23 21 13 23-2461	EA	1/4" Union, Chrome Plated	23.67	8.70
23 21 13 23-2462	EA	3/8" Union, Chrome Plated	24.49	9.18
23 21 13 23-2463	EA	1/2" Union, Chrome Plated	29.19	10.32
23 21 13 23-2464	EA	3/4" Union, Chrome Plated	36.58	13.57
23 21 13 23-2465	EA	1" Union, Chrome Plated	46.37	17.32
23 21 13 23-2466	EA	1-1/4" Union, Chrome Plated	72.85	23.33
23 21 13 23-2467	EA	1-1/2" Union, Chrome Plated	90.04	27.64
23 21 13 23-2468	EA	2" Union, Chrome Plated	116.30	33.66
23 21 13 23-2469		**Chrome Plated Caps** *(23 21 13 23-2421)*		
23 21 13 23-2470	EA	1/4" Cap, Chrome Plated	9.99	3.83
23 21 13 23-2471	EA	3/8" Cap, Chrome Plated	10.39	4.07
23 21 13 23-2472	EA	1/2" Cap, Chrome Plated	11.72	4.31
23 21 13 23-2473	EA	3/4" Cap, Chrome Plated	14.76	5.69
23 21 13 23-2474	EA	1" Cap, Chrome Plated	17.80	7.32
23 21 13 23-2475	EA	1-1/4" Cap, Chrome Plated	25.92	10.00
23 21 13 23-2476	EA	1-1/2" Cap, Chrome Plated	33.40	11.63
23 21 13 23-2477	EA	2" Cap, Chrome Plated	47.95	15.20
23 21 13 23-2478		**Chrome Plated Plugs** *(23 21 13 23-2421)*		
23 21 13 23-2479	EA	1/4" Plug, Chrome Plated	8.50	3.83
23 21 13 23-2480	EA	3/8" Plug, Chrome Plated	8.90	4.07
23 21 13 23-2481	EA	1/2" Plug, Chrome Plated	10.15	4.31
23 21 13 23-2482	EA	3/4" Plug, Chrome Plated	13.64	5.69
23 21 13 23-2483	EA	1" Plug, Chrome Plated	16.96	7.32
23 21 13 23-2484	EA	1-1/4" Plug, Chrome Plated	22.97	10.00
23 21 13 23-2485	EA	1-1/2" Plug, Chrome Plated	28.00	11.63
23 21 13 23-2486	EA	2" Plug, Chrome Plated	38.56	15.20
23 21 13 23-2487		**Chrome Plated Tees** *(23 21 13 23-2421)*		
23 21 13 23-2488	EA	1/4" Tee, Chrome Plated	22.72	11.38
23 21 13 23-2489	EA	3/8" Tee, Chrome Plated	24.34	12.43
23 21 13 23-2490	EA	1/2" Tee, Chrome Plated	26.97	13.57
23 21 13 23-2491	EA	3/4" Tee, Chrome Plated	33.55	16.82
23 21 13 23-2492	EA	1" Tee, Chrome Plated	46.65	21.71
23 21 13 23-2493	EA	1-1/4" Tee, Chrome Plated	64.27	29.83
23 21 13 23-2494	EA	1-1/2" Tee, Chrome Plated	80.61	34.71
23 21 13 23-2495	EA	2" Tee, Chrome Plated	108.29	42.84
23 21 13 23-2496		**Chrome Plated Reducing 90 Degree Elbows** *(23 21 13 23-2421)*		
23 21 13 23-2497	EA	1/2" x 3/8" Reducing 90 Degree Elbow, Chrome Plated	25.96	13.57
23 21 13 23-2498	EA	3/4" x 1/2" Reducing 90 Degree Elbow, Chrome Plated	30.84	16.82

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2499		Chrome Plated Bell Reducers *(23 21 13 23-2421)*		
23 21 13 23-2500	EA	1/2" x 3/8" Bell Reducer, Chrome Plated	27.78	13.57
23 21 13 23-2501	EA	3/4" x 1/2" Bell Reducer, Chrome Plated	33.96	16.82
23 21 13 23-2502	EA	1" x 1/2" Bell Reducer, Chrome Plated	43.31	21.71
23 21 13 23-2503		Chrome Plated Reducing Tees *(23 21 13 23-2421)*		
23 21 13 23-2504	EA	3/4" x 1/2" Reducing Tee, Chrome Plated	36.26	16.82
23 21 13 23-2505		Chrome Plated Bushings *(23 21 13 23-2421)*		
23 21 13 23-2506	EA	3/8" x 1/4" Bushing, Chrome Plated	8.45	3.83
23 21 13 23-2507	EA	1/2" x 1/4" Bushing, Chrome Plated	9.08	4.07
23 21 13 23-2508	EA	1/2" x 3/8" Bushing, Chrome Plated	9.49	4.31
23 21 13 23-2509	EA	3/4" x 1/2" Bushing, Chrome Plated	12.16	5.69
23 21 13 23-2510	EA	1" x 3/4" Bushing, Chrome Plated	17.25	7.32
23 21 13 23-2511	EA	1-1/4" x 1" Bushing, Chrome Plated	24.91	10.00
23 21 13 23-2512		Aluminum Tubing Assemblies *(23 21 13 23)* Note: ASTM B210 (Tubing), ASTM B26 (Fittings). Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2513	LF	1/8" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	6.37	2.85
23 21 13 23-2514	LF	3/16" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	7.28	3.25
23 21 13 23-2515	LF	1/4" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	8.13	3.65
23 21 13 23-2516	LF	5/16" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	8.97	4.07
23 21 13 23-2517	LF	3/8" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	9.90	4.47
23 21 13 23-2518	LF	1/2" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	11.09	4.87
23 21 13 23-2519	LF	5/8" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	12.89	5.61
23 21 13 23-2520	LF	3/4" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	15.26	6.37
23 21 13 23-2521	LF	7/8" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	17.42	7.11
23 21 13 23-2522	LF	1" Inside Diameter Aluminum Pipe/Tubing Assembly	19.76	7.48
23 21 16		**Hydronic Piping Specialties** *(23 21)*		
23 21 16 00-0001		Vent Valves *(23 21 16)*		
23 21 16 00-0002	EA	1/8", 1.5 PSIG Operating Pressure, Non Vacuum Adjustable Angle Radiator Steam Vent Valve (Hoffman 1A)	47.72	12.20
23 21 16 00-0003	EA	1/2" x 3/4", 35 PSIG Operating Pressure, Straight Steam Unit Heater Air Vent Valve (Hoffman 74)	106.86	13.11
23 21 16 00-0004	EA	1/2" x 3/4", 3 PSIG Operating Pressure, Non Vacuum Main Steam Air Vent Valve (Hoffman 75)	102.19	13.11
23 21 16 00-0005	EA	1/2" x 3/4", 10 PSIG Operating Pressure, Non Vacuum Straight Non-Vacuum Main Steam Air Vent Valve (Hoffman 75H)	105.46	13.11
23 21 16 00-0006	EA	3/4", 150 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 78)	134.11	13.11
23 21 16 00-0007	EA	1/2" x 3/4", 75 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 79)	100.90	13.11
23 21 16 00-0008		Threaded Inlet, Drip-Pan Elbow *(23 21 16)*		
23 21 16 00-0009		Cast Iron, Threaded Inlet, Drip-Pan Elbow *(23 21 16 00-0008)*		
23 21 16 00-0010	EA	2-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow	156.25	20.48
		For Flanged Inlet, Add	*51.10*	
23 21 16 00-0011	EA	3" Cast Iron, Threaded Inlet, Drip-Pan Elbow	178.54	24.26
		For Flanged Inlet, Add	*54.86*	
23 21 16 00-0012	EA	3-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow	222.03	28.06
		For Flanged Inlet, Add	*74.00*	
23 21 16 00-0013	EA	4" Cast Iron, Threaded Inlet, Drip-Pan Elbow	320.02	31.85
		For Flanged Inlet, Add	*130.21*	
23 21 16 00-0014	EA	5" Cast Iron, Threaded Inlet, Drip-Pan Elbow	363.35	37.92
		For Flanged Inlet, Add	*143.94*	
23 21 16 00-0015	EA	6" Cast Iron, Threaded Inlet, Drip-Pan Elbow	498.94	47.78
		For Flanged Inlet, Add	*210.34*	
23 21 16 00-0016	EA	8" Cast Iron, Threaded Inlet, Drip-Pan Elbow	1,075.91	62.95
		For Flanged Inlet, Add	*559.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0017		**Cast Steel, Threaded Inlet, Drip-Pan Elbow** *(23 21 16 00-0008)*		
23 21 16 00-0018	EA	2-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow	243.17	20.48
		For Flanged Inlet, Add	*110.20*	
23 21 16 00-0019	EA	3" Cast Steel, Threaded Inlet, Drip-Pan Elbow	294.25	24.26
		For Flanged Inlet, Add	*133.54*	
23 21 16 00-0020	EA	3-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow	405.87	28.06
		For Flanged Inlet, Add	*199.02*	
23 21 16 00-0021	EA	4" Cast Steel, Threaded Inlet, Drip-Pan Elbow	421.21	31.85
		For Flanged Inlet, Add	*199.02*	
23 21 16 00-0022	EA	5" Cast Steel, Threaded Inlet, Drip-Pan Elbow	588.35	37.92
		For Flanged Inlet, Add	*296.94*	
23 21 16 00-0023	EA	6" Cast Steel, Threaded Inlet, Drip-Pan Elbow	626.28	47.78
		For Flanged Inlet, Add	*296.94*	
23 21 16 00-0024	EA	8" Cast Steel, Threaded Inlet, Drip-Pan Elbow	1,002.67	62.95
		For Flanged Inlet, Add	*509.91*	
23 21 16 00-0025		**Y-Type Strainers** *(23 21 16)*		
23 21 16 00-0026		**Screwed Ends, 250 LB, Iron Body, Y-Type Strainers** *(23 21 16 00-0025)*		
23 21 16 00-0027	EA	1/4" Or 3/8" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	41.82	9.10
		For Galvanized Body, Add	*7.90*	
		For Work In Restricted Working Space, Add	*7.81*	
23 21 16 00-0028	EA	1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	42.22	9.28
		For Galvanized Body, Add	*7.90*	
		For Work In Restricted Working Space, Add	*7.93*	
23 21 16 00-0029	EA	3/4" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	54.64	12.53
		For Galvanized Body, Add	*9.43*	
		For Work In Restricted Working Space, Add	*10.74*	
23 21 16 00-0030	EA	1" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	68.16	14.97
		For Galvanized Body, Add	*12.74*	
		For Work In Restricted Working Space, Add	*12.81*	
23 21 16 00-0031	EA	1-1/4" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	87.76	18.50
		For Galvanized Body, Add	*17.45*	
		For Work In Restricted Working Space, Add	*15.86*	
23 21 16 00-0032	EA	1-1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	98.95	19.92
		For Galvanized Body, Add	*21.01*	
		For Work In Restricted Working Space, Add	*17.08*	
23 21 16 00-0033	EA	2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	129.75	22.77
		For Galvanized Body, Add	*32.35*	
		For Work In Restricted Working Space, Add	*19.52*	
23 21 16 00-0034	EA	2-1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	226.75	28.46
		For Galvanized Body, Add	*72.71*	
		For Work In Restricted Working Space, Add	*24.40*	
23 21 16 00-0035	EA	3" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	291.65	35.62
		For Galvanized Body, Add	*95.00*	
		For Work In Restricted Working Space, Add	*30.50*	
23 21 16 00-0036		**Flanged, 125 LB, Iron Body , Y-Type Strainers** *(23 21 16 00-0025)*		
23 21 16 00-0037	EA	1-1/2" Flanged, 125 LB, Iron Body, Y-Type Strainer	172.25	40.66
		For Galvanized Body, Add	*45.46*	
		For Work In Restricted Working Space, Add	*24.40*	
23 21 16 00-0038	EA	2" Flanged, 125 LB, Iron Body, Y-Type Strainer	200.05	50.83
		For Galvanized Body, Add	*49.20*	
		For Work In Restricted Working Space, Add	*30.50*	
23 21 16 00-0039	EA	3" Flanged, 125 LB, Iron Body, Y-Type Strainer	397.20	81.33
		For Galvanized Body, Add	*117.28*	
		For Work In Restricted Working Space, Add	*48.80*	
23 21 16 00-0040	EA	4" Flanged, 125 LB, Iron Body, Y-Type Strainer	469.49	101.66
		For Galvanized Body, Add	*133.09*	
		For Work In Restricted Working Space, Add	*61.00*	
23 21 16 00-0041	EA	5" Flanged, 125 LB, Iron Body, Y-Type Strainer	590.20	146.21
		For Galvanized Body, Add	*148.89*	
		For Work In Restricted Working Space, Add	*87.73*	
23 21 16 00-0042	EA	6" Flanged, 125 LB, Iron Body, Y-Type Strainer	710.99	170.33
		For Galvanized Body, Add	*184.92*	
		For Work In Restricted Working Space, Add	*102.35*	
23 21 16 00-0043	EA	8" Flanged, 125 LB, Iron Body, Y-Type Strainer	1,137.77	204.70
		For Galvanized Body, Add	*364.19*	
		For Work In Restricted Working Space, Add	*122.82*	
23 21 16 00-0044	EA	10" Flanged, 125 LB, Iron Body, Y-Type Strainer	2,135.16	255.87
		For Galvanized Body, Add	*811.71*	
		For Work In Restricted Working Space, Add	*153.52*	
23 21 16 00-0045	EA	12" Flanged, 125 LB, Iron Body, Y-Type Strainer	2,419.06	365.53
		For Galvanized Body, Add	*844.00*	
		For Work In Restricted Working Space, Add	*219.32*	
23 21 16 00-0046		**Screwed Ends, 150 LB, Bronze Body, Y-Type Strainers** *(23 21 16 00-0025)*		
		Note: With screwed cap (4" size has bolted cap).		
23 21 16 00-0047	EA	1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer	39.22	9.28
		For 300 LB Rating, Add	*21.74*	
		For Work In Restricted Working Space, Add	*7.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0048	EA	3/4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer	52.42	12.53
		For 300 LB Rating, Add	*28.27*	
		For Work In Restricted Working Space, Add	*10.74*	
23 21 16 00-0049	EA	1" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer	63.63	14.97
		For 300 LB Rating, Add	*35.60*	
		For Work In Restricted Working Space, Add	*12.81*	
23 21 16 00-0050	EA	1-1/4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer	79.09	18.50
		For 300 LB Rating, Add	*44.57*	
		For Work In Restricted Working Space, Add	*15.86*	
23 21 16 00-0051	EA	1-1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer	90.98	19.92
		For 300 LB Rating, Add	*57.89*	
		For Work In Restricted Working Space, Add	*17.08*	
23 21 16 00-0052	EA	2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer	120.38	22.77
		For 300 LB Rating, Add	*94.04*	
		For Work In Restricted Working Space, Add	*19.52*	
23 21 16 00-0053	EA	2-1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer	172.62	28.46
		For 300 LB Rating, Add	*155.19*	
		For Work In Restricted Working Space, Add	*24.40*	
23 21 16 00-0054	EA	3" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer	290.94	35.62
		For 300 LB Rating, Add	*321.78*	
		For Work In Restricted Working Space, Add	*30.50*	
23 21 16 00-0055	EA	4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer	481.22	42.69
		For 300 LB Rating, Add	*610.69*	
		For Work In Restricted Working Space, Add	*36.60*	

23 21 16 00-0056 Flanged, 150 LB, Bronze Body, Y-Type Strainers *(23 21 16 00-0025)*

Note: With bolted cap.

23 21 16 00-0057	EA	2" Flanged, 150 LB, Bronze Body, Y-Type Strainer	260.55	50.83
		For 300 LB Rating, Add	*95.33*	
		For Work In Restricted Working Space, Add	*30.50*	
23 21 16 00-0058	EA	2-1/2" Flanged, 150 LB, Bronze Body, Y-Type Strainer	294.45	66.28
		For 300 LB Rating, Add	*97.13*	
		For Work In Restricted Working Space, Add	*39.77*	
23 21 16 00-0059	EA	3" Flanged, 150 LB, Bronze Body, Y-Type Strainer	348.02	81.33
		For 300 LB Rating, Add	*111.22*	
		For Work In Restricted Working Space, Add	*48.80*	
23 21 16 00-0060	EA	4" Flanged, 150 LB, Bronze Body, Y-Type Strainer	653.74	101.66
		For 300 LB Rating, Add	*270.25*	
		For Work In Restricted Working Space, Add	*61.00*	
23 21 16 00-0061	EA	6" Flanged, 150 LB, Bronze Body, Y-Type Strainer	1,023.92	170.33
		For 300 LB Rating, Add	*409.66*	
		For Work In Restricted Working Space, Add	*102.35*	
23 21 16 00-0062	EA	8" Flanged, 150 LB, Bronze Body, Y-Type Strainer	1,574.59	204.70
		For 300 LB Rating, Add	*699.11*	
		For Work In Restricted Working Space, Add	*122.82*	
23 21 16 00-0063	EA	10" Flanged, 150 LB, Bronze Body, Y-Type Strainer	4,693.77	255.87
		For 300 LB Rating, Add	*2,509.22*	
		For Work In Restricted Working Space, Add	*153.52*	

23 21 16 00-0064 175 LB, Cast Iron Body, Suction Diffusers *(23 21 16)*

Note: 175 PSI, steel inlet vanes, steel orifice cylinder and 16 mesh bronze startup strainer.

23 21 16 00-0065	EA	2" x 1-1/2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser	392.17	32.04
		For Work In Restricted Working Space, Add	*15.69*	
23 21 16 00-0066	EA	2" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser	411.56	35.54
		For Work In Restricted Working Space, Add	*17.43*	
23 21 16 00-0067	EA	2-1/2" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser	417.89	37.33
		For Work In Restricted Working Space, Add	*18.31*	
23 21 16 00-0068	EA	2-1/2" x 2-1/2" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	707.54	41.97
		For Work In Restricted Working Space, Add	*20.57*	
23 21 16 00-0069	EA	3" x 1-1/2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser	431.14	43.43
		For Work In Restricted Working Space, Add	*21.26*	
23 21 16 00-0070	EA	3" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser	488.92	43.43
		For Work In Restricted Working Space, Add	*21.26*	
23 21 16 00-0071	EA	3" x 2-1/2" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	742.34	48.72
		For Work In Restricted Working Space, Add	*23.87*	
23 21 16 00-0072	EA	3" x 3" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	749.18	50.83
		For Work In Restricted Working Space, Add	*24.91*	
23 21 16 00-0073	EA	4" x 3" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	907.15	74.74
		For Work In Restricted Working Space, Add	*36.61*	
23 21 16 00-0074	EA	4" x 4" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	1,049.30	88.89
		For Work In Restricted Working Space, Add	*43.57*	
23 21 16 00-0075	EA	6" x 4" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	1,302.53	135.75
		For Work In Restricted Working Space, Add	*66.52*	
23 21 16 00-0076	EA	6" x 6" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	1,579.40	149.21
		For Work In Restricted Working Space, Add	*73.11*	
23 21 16 00-0077	EA	8" x 6" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	1,722.56	159.89
		For Work In Restricted Working Space, Add	*78.33*	
23 21 16 00-0078	EA	8" x 8" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	2,804.10	179.04
		For Work In Restricted Working Space, Add	*87.73*	
23 21 16 00-0079	EA	10" x 8" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	3,160.06	201.33
		For Work In Restricted Working Space, Add	*98.67*	
23 21 16 00-0080	EA	10" x 10" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	3,771.09	223.78
		For Work In Restricted Working Space, Add	*109.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0081		Duplex Strainers *(23 21 16)*		
23 21 16 00-0082		Iron Body, Duplex Strainers *(23 21 16 00-0081)*		
23 21 16 00-0083		Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainers *(23 21 16 00-0082)*		
		Note: With brass or stainless steel basket.		
23 21 16 00-0084	EA	3/4" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	366.69	20.25
		For Work In Restricted Working Space, Add	*12.16*	
23 21 16 00-0085	EA	1" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	409.92	23.18
		For Work In Restricted Working Space, Add	*13.92*	
23 21 16 00-0086	EA	1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	552.19	27.24
		For Work In Restricted Working Space, Add	*16.34*	
23 21 16 00-0087	EA	1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	691.30	29.68
		For Work In Restricted Working Space, Add	*17.81*	
23 21 16 00-0088	EA	2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	923.68	36.19
		For Work In Restricted Working Space, Add	*21.79*	
23 21 16 00-0089	EA	2-1/2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	1,162.89	46.36
		For Work In Restricted Working Space, Add	*27.81*	
23 21 16 00-0090		Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainers *(23 21 16 00-0082)*		
		Note: With brass or stainless steel basket.		
23 21 16 00-0091	EA	2" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	1,246.06	53.92
		For Work In Restricted Working Space, Add	*32.37*	
23 21 16 00-0092	EA	2-1/2" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	1,460.97	144.44
		For Work In Restricted Working Space, Add	*86.66*	
23 21 16 00-0093	EA	3" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	1,883.50	185.84
		For Work In Restricted Working Space, Add	*111.49*	
23 21 16 00-0094	EA	4" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	2,768.45	194.83
		For Work In Restricted Working Space, Add	*117.07*	
23 21 16 00-0095	EA	6" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	5,341.28	292.42
		For Work In Restricted Working Space, Add	*175.46*	
23 21 16 00-0096	EA	8" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	9,874.91	350.91
		For Work In Restricted Working Space, Add	*210.54*	
23 21 16 00-0097	EA	10" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	13,504.06	398.79
		For Work In Restricted Working Space, Add	*239.28*	
23 21 16 00-0098	EA	12" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	15,165.97	516.13
		For Work In Restricted Working Space, Add	*309.77*	
23 21 16 00-0099	EA	14" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	18,376.20	626.52
		For Work In Restricted Working Space, Add	*375.92*	
23 21 16 00-0100	EA	16" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	23,226.83	877.28
		For Work In Restricted Working Space, Add	*526.49*	
23 21 16 00-0101		Bronze Body, Duplex Strainers *(23 21 16 00-0081)*		
23 21 16 00-0102		Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainers *(23 21 16 00-0101)*		
		Note: With brass or stainless steel basket.		
23 21 16 00-0103	EA	3/4" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer	669.06	20.34
		For Work In Restricted Working Space, Add	*12.16*	
23 21 16 00-0104	EA	1" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer	742.87	23.18
		For Work In Restricted Working Space, Add	*13.92*	
23 21 16 00-0105	EA	1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer	1,082.19	27.24
		For Work In Restricted Working Space, Add	*16.34*	
23 21 16 00-0106	EA	1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer	1,418.35	29.68
		For Work In Restricted Working Space, Add	*17.81*	
23 21 16 00-0107	EA	2" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer	1,830.80	36.19
		For Work In Restricted Working Space, Add	*21.79*	
23 21 16 00-0108	EA	2-1/2" Screwed, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer	2,250.07	46.36
		For Work In Restricted Working Space, Add	*27.81*	
23 21 16 00-0109		Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainers *(23 21 16 00-0101)*		
		Note: With brass or stainless steel basket.		
23 21 16 00-0110	EA	2" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer	2,554.07	54.09
		For Work In Restricted Working Space, Add	*32.37*	
23 21 16 00-0111	EA	2-1/2" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer	2,802.96	144.36
		For Work In Restricted Working Space, Add	*86.66*	
23 21 16 00-0112	EA	3" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer	3,837.03	185.84
		For Work In Restricted Working Space, Add	*111.49*	
23 21 16 00-0113	EA	4" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer	5,860.12	194.83
		For Work In Restricted Working Space, Add	*117.07*	
23 21 16 00-0114	EA	6" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer	12,611.82	292.42
		For Work In Restricted Working Space, Add	*175.46*	
23 21 16 00-0115		Cast Steel Body, Duplex Strainers *(23 21 16 00-0081)*		
23 21 16 00-0116		Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainers *(23 21 16 00-0115)*		
		Note: With brass or stainless steel basket.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0117	EA	1" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer	1,035.66	23.18
		For Work In Restricted Working Space, Add	*13.92*	
23 21 16 00-0118	EA	1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer	1,274.53	27.24
		For Work In Restricted Working Space, Add	*16.34*	
23 21 16 00-0119	EA	1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer	1,510.29	29.68
		For Work In Restricted Working Space, Add	*17.81*	
23 21 16 00-0120	EA	2" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer	2,545.76	36.19
		For Work In Restricted Working Space, Add	*21.79*	
23 21 16 00-0121		Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainers *(23 21 16 00-0115)*		
		Note: With brass or stainless steel basket.		
23 21 16 00-0122	EA	2" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer	2,597.55	54.09
		For Work In Restricted Working Space, Add	*32.38*	
23 21 16 00-0123	EA	2-1/2" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer	3,025.75	144.36
		For Work In Restricted Working Space, Add	*86.64*	
23 21 16 00-0124	EA	3" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer	3,982.49	185.84
		For Work In Restricted Working Space, Add	*111.51*	
23 21 16 00-0125	EA	4" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer	5,682.58	194.83
		For Work In Restricted Working Space, Add	*117.02*	
23 21 16 00-0126	EA	6" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer	9,685.35	292.42
		For Work In Restricted Working Space, Add	*175.25*	
23 21 16 00-0127	EA	8" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer	18,573.61	350.91
		For Work In Restricted Working Space, Add	*210.31*	
23 21 16 00-0128		Stainless Steel Body, Duplex Strainers *(23 21 16 00-0081)*		
23 21 16 00-0129		Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers *(23 21 16 00-0128)*		
		Note: With stainless steel basket.		
23 21 16 00-0130	EA	1" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	4,343.47	23.18
		For Work In Restricted Working Space, Add	*13.92*	
23 21 16 00-0131	EA	1-1/4" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	5,489.45	27.24
		For Work In Restricted Working Space, Add	*16.34*	
23 21 16 00-0132	EA	1-1/2" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	6,624.35	29.68
		For Work In Restricted Working Space, Add	*17.81*	
23 21 16 00-0133	EA	2" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	10,616.36	36.19
		For Work In Restricted Working Space, Add	*21.79*	
23 21 16 00-0134		Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers *(23 21 16 00-0128)*		
		Note: With stainless steel basket.		
23 21 16 00-0135	EA	2" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	11,089.32	54.09
		For Work In Restricted Working Space, Add	*32.38*	
23 21 16 00-0136	EA	2-1/2" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	11,827.23	144.36
		For Work In Restricted Working Space, Add	*86.64*	
23 21 16 00-0137	EA	3" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	18,514.89	185.84
		For Work In Restricted Working Space, Add	*111.51*	
23 21 16 00-0138	EA	4" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	22,512.00	194.83
		For Work In Restricted Working Space, Add	*117.02*	
23 21 16 00-0139	EA	6" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	39,576.11	292.42
		For Work In Restricted Working Space, Add	*175.25*	
23 21 16 00-0140	EA	8" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	72,955.46	350.91
		For Work In Restricted Working Space, Add	*210.31*	
23 21 16 00-0141		Wall Seals And Sleeves *(23 21 16)*		
		Note: Up to 12" walls. Excludes drilling hole.		
23 21 16 00-0142		Ductile Iron Wall Sleeve *(23 21 16 00-0141)*		
		Note: Includes rubber gasket seal.		
23 21 16 00-0143	EA	3" Ductile Iron Wall Sleeve With Rubber Gasket Seal	87.47	35.62
23 21 16 00-0144	EA	4" Ductile Iron Wall Sleeve With Rubber Gasket Seal	107.80	41.61
23 21 16 00-0145	EA	6" Ductile Iron Wall Sleeve With Rubber Gasket Seal	131.74	49.92
23 21 16 00-0146	EA	8" Ductile Iron Wall Sleeve With Rubber Gasket Seal	187.28	74.84
23 21 16 00-0147	EA	10" Ductile Iron Wall Sleeve With Rubber Gasket Seal	241.04	99.76
23 21 16 00-0148	EA	12" Ductile Iron Wall Sleeve With Rubber Gasket Seal	297.25	124.75
23 21 16 00-0149		Steel Pipe Sleeves *(23 21 16 00-0141)*		
		Note: Includes link seals 12" length.		
23 21 16 00-0150	EA	2" Steel Pipe Sleeve With Link Seals	88.79	36.10
23 21 16 00-0151	EA	2-1/2" Steel Pipe Sleeve With Link Seals	105.40	39.14
23 21 16 00-0152	EA	3" Steel Pipe Sleeve With Link Seals	121.45	42.17
23 21 16 00-0153	EA	4" Steel Pipe Sleeve With Link Seals	148.58	50.59
23 21 16 00-0154	EA	6" Steel Pipe Sleeve With Link Seals	207.72	63.18
23 21 16 00-0155	EA	10" Steel Pipe Sleeve With Link Seals	369.14	75.85
23 21 16 00-0156	EA	13.25" Inside Diameter Steel Pipe Sleeve With Link Seals	398.81	94.80
23 21 16 00-0157	EA	17.25" Inside Diameter Steel Pipe Sleeve With Link Seals	581.13	116.65
23 21 16 00-0158	EA	23.25" Inside Diameter Steel Pipe Sleeve With Link Seals	792.61	151.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0159	EA	29.25" Inside Diameter Steel Pipe Sleeve With Link Seals	797.49	189.61
23 21 16 00-0160		**Pressure Regulating Valve** *(23 21 16)*		
23 21 16 00-0161		**Screwed Ends, Water Pressure Reducing Valves** *(23 21 16 00-0160)*		
		Note: For building services, 25 - 75 PSI, up to 300 Lbs. rating, iron construction.		
23 21 16 00-0162	EA	1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	102.27	10.16
		For Work In Restricted Working Space, Add	*12.19*	
23 21 16 00-0163	EA	3/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	123.71	11.38
		For Work In Restricted Working Space, Add	*13.55*	
23 21 16 00-0164	EA	1" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	157.34	12.19
		For Work In Restricted Working Space, Add	*14.35*	
23 21 16 00-0165	EA	1-1/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	256.64	13.66
		For Work In Restricted Working Space, Add	*16.26*	
23 21 16 00-0166	EA	1-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	344.30	16.26
		For Work In Restricted Working Space, Add	*19.51*	
23 21 16 00-0167	EA	2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	496.49	24.92
		For Work In Restricted Working Space, Add	*29.93*	
23 21 16 00-0168	EA	2-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	541.84	28.06
		For Work In Restricted Working Space, Add	*33.68*	
23 21 16 00-0169	EA	3" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	596.02	81.20
		For Work In Restricted Working Space, Add	*37.42*	
23 21 16 00-0170		**Cast Iron Body, Steam Pressure Regulator And Reducer** *(23 21 16 00-0160)*		
		Note: Single seated, spring loaded, direct acting diaphragm valve.		
23 21 16 00-0171		**Screwed Ends, Cast Iron Body, Steam Pressure Regulator And Reducer** *(23 21 16 00-0170)*		
23 21 16 00-0172	EA	1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	165.58	13.67
		For Work In Restricted Working Space, Add	*16.37*	
23 21 16 00-0173	EA	3/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	211.73	19.36
		For Work In Restricted Working Space, Add	*23.24*	
23 21 16 00-0174	EA	1" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	269.76	23.59
		For Work In Restricted Working Space, Add	*28.37*	
23 21 16 00-0175	EA	1-1/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	352.92	28.62
		For Work In Restricted Working Space, Add	*32.97*	
23 21 16 00-0176	EA	1-1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	462.97	32.53
		For Work In Restricted Working Space, Add	*37.54*	
23 21 16 00-0177	EA	2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	543.97	45.51
		For Work In Restricted Working Space, Add	*45.50*	
23 21 16 00-0178		**Flanged, Cast Iron Body, Steam Pressure Regulator And Reducer** *(23 21 16 00-0170)*		
		Note: Single seated, spring loaded, direct acting diaphragm valve.		
23 21 16 00-0179	EA	2-1/2" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	1,194.64	53.39
		For Work In Restricted Working Space, Add	*54.17*	
23 21 16 00-0180	EA	3" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	1,471.14	60.68
		For Work In Restricted Working Space, Add	*61.49*	
23 21 16 00-0181	EA	4" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	1,984.75	112.54
		For Work In Restricted Working Space, Add	*116.68*	
23 21 16 00-0182	EA	6" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	4,631.17	136.80
		For Work In Restricted Working Space, Add	*142.49*	
23 21 16 00-0183		**Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves** *(23 21 16 00-0160)*		
23 21 16 00-0184		**Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves** *(23 21 16 00-0183)*		
23 21 16 00-0185	EA	1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	810.59	9.92
		For Work In Restricted Working Space, Add	*14.88*	
23 21 16 00-0186	EA	3/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	827.10	9.92
		For Work In Restricted Working Space, Add	*14.88*	
23 21 16 00-0187	EA	1" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	885.95	12.53
		For Work In Restricted Working Space, Add	*18.79*	
23 21 16 00-0188	EA	1-1/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	1,044.22	15.94
		For Work In Restricted Working Space, Add	*23.91*	
23 21 16 00-0189	EA	1-1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	1,195.78	18.38
		For Work In Restricted Working Space, Add	*27.57*	
23 21 16 00-0190	EA	2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	1,479.77	21.63
		For Work In Restricted Working Space, Add	*32.45*	
23 21 16 00-0191		**Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves** *(23 21 16 00-0183)*		
23 21 16 00-0192	EA	2-1/2" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	1,873.77	36.25
		For Work In Restricted Working Space, Add	*54.38*	
23 21 16 00-0193	EA	3" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,289.45	39.43
		For Work In Restricted Working Space, Add	*59.16*	
23 21 16 00-0194	EA	4" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	3,591.17	87.07
		For Work In Restricted Working Space, Add	*130.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0195	EA	6" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	7,554.87	136.80
		For Work In Restricted Working Space, Add	*142.49*	

23 21 16 00-0196 Screwed Ends, Cast Iron Body, Air Pressure Reducing Valves *(23 21 16 00-0160)*

23 21 16 00-0197	EA	1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	112.41	10.57
23 21 16 00-0198	EA	3/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	136.63	11.71
23 21 16 00-0199	EA	1" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	175.35	12.43
23 21 16 00-0200	EA	1-1/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	289.93	14.15
23 21 16 00-0201	EA	1-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	390.20	16.91
23 21 16 00-0202	EA	2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	561.71	25.90
23 21 16 00-0203	EA	2-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	608.73	28.21
23 21 16 00-0204	EA	3" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	673.52	32.47

23 21 16 00-0205 Screwed Ends, Bronze Body, Water Pressure Reducing Valves *(23 21 16 00-0160)*

Note: For building services, bronze construction, pressure adjustment, union and strainer, factory set at 45 PSI (Watts 25AUB).

23 21 16 00-0206	EA	1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	97.24	10.16
23 21 16 00-0207	EA	3/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	107.07	11.38
23 21 16 00-0208	EA	1" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	129.65	12.60
23 21 16 00-0209	EA	1-1/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	283.05	13.66
23 21 16 00-0210	EA	1-1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	309.37	16.26
23 21 16 00-0211	EA	2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	485.12	24.92

23 21 16 00-0212 Dual Unit Reducing And Relief Valve *(23 21 16)*

23 21 16 00-0213	EA	1/2" Dual Unit Reducing And Relief Valve	111.31	24.81

23 21 16 00-0214 Safety Relief Valve *(23 21 16)*

Note: Used in water heater and hot water storage tank applications.

23 21 16 00-0215 Threaded Inlet, Bronze Body Safety Valves *(23 21 16 00-0214)*

Note: Variable set points to 150 psig pressure, 210 Degree F temperature range.

23 21 16 00-0216	EA	1/2" x 1/2" Threaded Inlet, Bronze Body Safety Valve	50.44	10.16
23 21 16 00-0217	EA	3/4" x 3/4" Threaded Inlet, Bronze Body Safety Valve	65.34	11.18
23 21 16 00-0218	EA	1" x 1" Threaded Inlet, Bronze Body Safety Valve	90.42	13.62
23 21 16 00-0219	EA	1-1/4" x 1-1/4" Threaded Inlet, Bronze Body Safety Valve	111.94	14.43
23 21 16 00-0220	EA	1-1/2" x 1-1/2" Threaded Inlet, Bronze Body Safety Valve	153.26	19.31
23 21 16 00-0221	EA	2" x 2" Threaded Inlet, Bronze Body Safety Valve	200.67	22.76
23 21 16 00-0222	EA	2-1/2" x 2-1/2" Threaded Inlet, Bronze Body Safety Valve	231.69	28.45

23 21 16 00-0223 Threaded, Bronze Body, Temperature And Pressure Relief Valves *(23 21 16)*

23 21 16 00-0224	EA	1/2" x 1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	52.00	20.73
		For Cast Iron Body, Add	*22.66*	
23 21 16 00-0225	EA	3/4" x 3/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve	65.90	24.88
		For Cast Iron Body, Add	*31.58*	
23 21 16 00-0226	EA	1" x 1" Threaded, Bronze Body, Temperature And Pressure Relief Valve	94.43	33.16
		For Cast Iron Body, Add	*50.29*	
23 21 16 00-0227	EA	1-1/4" x 1-1/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve	143.57	35.53
		For Cast Iron Body, Add	*106.88*	
23 21 16 00-0228	EA	1-1/2" x 1-1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	228.59	39.84
		For Cast Iron Body, Add	*204.46*	
23 21 16 00-0229	EA	2" x 2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	271.66	57.25
		For Cast Iron Body, Add	*222.64*	

23 21 16 00-0230 Horizontal Steel Expansion Tanks *(23 21 16)*

Note: ASME Code Stamp. 150 PSI with glass gauge and cocks.

23 21 16 00-0231	EA	10 Gallon Horizontal Steel Expansion Tank	428.11	81.33
23 21 16 00-0232	EA	15 Gallon Horizontal Steel Expansion Tank	601.52	101.66
23 21 16 00-0233	EA	30 Gallon Horizontal Steel Expansion Tank	784.88	121.99
23 21 16 00-0234	EA	40 Gallon Horizontal Steel Expansion Tank	904.07	142.33
23 21 16 00-0235	EA	60 Gallon Horizontal Steel Expansion Tank	1,038.20	146.21

23 21 16 00-0236 Horizontal Diaphragm Type (Bladder) Steel Expansion Tanks *(23 21 16)*

Note: ASME. Precharged with working pressure 125 psi. Armstrong AX Series.

23 21 16 00-0237	EA	7.8 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	1,267.54	61.00
23 21 16 00-0238	EA	10.9 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	1,321.17	71.16
23 21 16 00-0239	EA	21.7 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	1,977.90	81.33
23 21 16 00-0240	EA	33.6 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	2,056.99	91.49
23 21 16 00-0241	EA	44.4 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	2,795.98	101.66
23 21 16 00-0242	EA	55.7 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	2,947.52	111.83
23 21 16 00-0243	EA	68.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	3,508.30	121.99
23 21 16 00-0244	EA	77.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	3,753.83	132.15
23 21 16 00-0245	EA	90.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	4,138.39	142.33
23 21 16 00-0246	EA	110.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	4,249.54	162.65
23 21 16 00-0247	EA	132.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	5,337.84	182.99
23 21 16 00-0248	EA	158.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	6,122.63	203.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0249	EA	211.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	7,104.72	243.98
23 21 16 00-0250		**Vertical Diaphragm Type (Bladder) Steel Expansion Tanks** *(23 21 16)*		
		Note: ASME. Precharged with working pressure 125 psi (Armstrong AX)		
23 21 16 00-0251	EA	8.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	1,447.69	61.00
23 21 16 00-0252	EA	11.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	1,491.53	71.16
23 21 16 00-0253	EA	22.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	2,142.39	81.33
23 21 16 00-0254	EA	34.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	2,286.10	91.49
23 21 16 00-0255	EA	44.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	2,911.51	101.66
23 21 16 00-0256	EA	56.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	3,061.09	111.83
23 21 16 00-0257	EA	67.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	3,737.41	121.99
23 21 16 00-0258	EA	77.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	4,039.73	132.15
23 21 16 00-0259	EA	91.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	4,469.32	142.33
23 21 16 00-0260	EA	111.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	4,574.60	162.65
23 21 16 00-0261	EA	132.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	5,633.53	182.99
23 21 16 00-0262	EA	158.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	6,539.72	203.32
23 21 16 00-0263	EA	211.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	7,529.65	243.98
23 21 16 00-0264		**Diaphragm Type (Residential Style) Steel Expansion Tanks** *(23 21 16)*		
23 21 16 00-0265	EA	2.1 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-5-M1)	55.89	7.48
23 21 16 00-0266	EA	4.5 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-12-M1)	78.45	7.48
23 21 16 00-0267		**Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tanks** *(23 21 16)*		
23 21 16 00-0268	EA	15 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	783.04	244.06
23 21 16 00-0269	EA	20 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	813.04	244.06
23 21 16 00-0270	EA	30 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	843.04	244.06
23 21 16 00-0271	EA	40 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	921.03	244.06
23 21 16 00-0272	EA	47 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,110.39	325.23
23 21 16 00-0273	EA	60 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,290.05	325.39
23 21 16 00-0274	EA	80 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,325.69	325.39
23 21 16 00-0275	EA	87 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,361.32	325.39
23 21 16 00-0276	EA	120 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,730.00	406.64
23 21 16 00-0277	EA	187 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	4,751.19	406.64
23 21 16 00-0278	EA	264 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	6,034.35	487.80
23 21 16 00-0279		**ASME Construction Compression Tanks** *(23 21 16)*		
		Note: With gauge glass taps, 125 PSI, 240 degree F tanks below are sized by capacity and diameter and height. See CSI section 22 12 00 00-0000 for other tanks.		
23 21 16 00-0280	EA	15 Gallon, 13" x 34-1/2" ASME Construction Compression Tank	599.35	143.14
		For Galvanized Steel Tanks, Add	*191.24*	
23 21 16 00-0281	EA	24 Gallon, 13" x 51" ASME Construction Compression Tank	611.75	147.20
		For Galvanized Steel Tanks, Add	*194.05*	
23 21 16 00-0282	EA	30 Gallon, 13" x 61-1/2" ASME Construction Compression Tank	664.07	152.09
		For Galvanized Steel Tanks, Add	*216.55*	
23 21 16 00-0283	EA	40 Gallon, 16-1/4" x 53" ASME Construction Compression Tank	723.62	157.78
		For Galvanized Steel Tanks, Add	*241.86*	
23 21 16 00-0284	EA	60 Gallon, 16-1/4" x 76-1/2" ASME Construction Compression Tank	837.07	166.72
		For Galvanized Steel Tanks, Add	*292.48*	
23 21 16 00-0285	EA	80 Gallon, 20-1/4" x 68" ASME Construction Compression Tank	869.79	173.23
		For Galvanized Steel Tanks, Add	*303.73*	
23 21 16 00-0286	EA	100 Gallon, 20-1/4" x 82" ASME Construction Compression Tank	1,067.18	188.68
		For Galvanized Steel Tanks, Add	*390.91*	
23 21 16 00-0287	EA	120 Gallon, 24-1/4" x 71-1/2" ASME Construction Compression Tank	1,161.83	202.51
		For Galvanized Steel Tanks, Add	*427.47*	
23 21 16 00-0288	EA	144 Gallon, 24-1/4" x 83-1/2" ASME Construction Compression Tank	1,436.75	228.53
		For Galvanized Steel Tanks, Add	*545.34*	
23 21 16 00-0289	EA	180 Gallon, 30" x 60" ASME Construction Compression Tank	1,814.11	261.88
		For Galvanized Steel Tanks, Add	*708.70*	
23 21 16 00-0290	EA	202 Gallon, 30" x 72" ASME Construction Compression Tank	2,164.24	290.34
		For Galvanized Steel Tanks, Add	*862.32*	
23 21 16 00-0291	EA	230 Gallon, 30" x 84" ASME Construction Compression Tank	2,366.14	315.55
		For Galvanized Steel Tanks, Add	*943.87*	
23 21 16 00-0292	EA	280 Gallon, 30" x 96" ASME Construction Compression Tank	2,969.27	346.45
		For Galvanized Steel Tanks, Add	*1,222.29*	
23 21 16 00-0293	EA	306 Gallon, 30" x 108" ASME Construction Compression Tank	3,068.31	370.04
		For Galvanized Steel Tanks, Add	*1,253.72*	
23 21 16 00-0294	EA	340 Gallon, 36" x 84" ASME Construction Compression Tank	3,924.06	397.69
		For Galvanized Steel Tanks, Add	*1,660.82*	
23 21 16 00-0295	EA	550 Gallon, 36" x 96" ASME Construction Compression Tank	6,462.11	466.82
		For Galvanized Steel Tanks, Add	*2,877.46*	
23 21 16 00-0296		**Compression Tank Air Fittings** *(23 21 16)*		
23 21 16 00-0297	EA	9" To 24" Diameter Compression Tank Air Fittings	88.55	22.77
23 21 16 00-0298	EA	>100 Gallon Compression Tank Air Fittings	247.53	26.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0299		**Thermostatic Radiator Valves** *(23 21 16)*		
		Note: For hot water or two pipe low pressure steam.		
23 21 16 00-0300	EA	1/2" Straight Thermostatic Radiator Valve (Danfoss 013G8015)	46.12	13.11
23 21 16 00-0301	EA	3/4" Straight Thermostatic Radiator Valve (Danfoss 013G8020)	56.06	17.68
23 21 16 00-0302	EA	1" Straight Thermostatic Radiator Valve (Danfoss 013G8025)	75.11	21.40
23 21 16 00-0303	EA	1-1/4" Straight Thermostatic Radiator Valve (Danfoss 013G8032)	109.71	27.11
23 21 16 00-0304	EA	1/2" Angle Thermostatic Radiator Valve (Danfoss 013G8014)	46.12	13.11
23 21 16 00-0305	EA	3/4" Angle Thermostatic Radiator Valve (Danfoss 013G8019)	56.06	17.68
23 21 16 00-0306	EA	1" Angle Thermostatic Radiator Valve (Danfoss 013G8024)	75.11	21.40
23 21 16 00-0307	EA	1-1/4" Angle Thermostatic Radiator Valve (Danfoss 013G8031)	109.71	27.11
23 21 16 00-0308	EA	Tamper Resistant Valve Mounted Dial And Sensor Thermostatic Operator (Danfoss 013G8240)	56.57	10.16
23 21 16 00-0309	EA	Tamper Resistant Valve Mounted Dial With Remote Sensor Thermostatic Operator (Danfoss 013G2922)	83.33	14.23
23 21 16 00-0310		**Radiator Trap Repair Kits** *(23 21 16)*		
		Note: For hot water or two pipe low pressure steam.		
23 21 16 00-0311	EA	1/2" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1031)	81.21	
23 21 16 00-0312	EA	3/4" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1032)	101.20	
23 21 16 00-0313	EA	1/2" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1026)	101.50	
23 21 16 00-0314	EA	3/4" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1027)	115.70	
23 21 16 00-0315	EA	1" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1028)	266.14	
23 21 16 00-0316		**Vortex Air Separators With Strainer** *(23 21 16)*		
		Note: Separators are priced by capacity in gallons per minute and by boiler connection sizes and types.		
23 21 16 00-0317	EA	2" Threaded, 56 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2N)	924.71	173.23
		For 300 PSIG, Add	*99.36*	
23 21 16 00-0318	EA	2-1/2" Threaded, 90 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2-1/2N)	1,139.94	198.44
		For 300 PSIG, Add	*125.81*	
23 21 16 00-0319	EA	3" Threaded, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3N)	1,733.19	233.41
		For 300 PSIG, Add	*206.94*	
23 21 16 00-0320	EA	3" Flanged, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3F)	1,851.96	247.10
		For 300 PSIG, Add	*221.64*	
23 21 16 00-0321	EA	4" Flanged, 300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-4F)	2,392.20	329.46
		For 300 PSIG, Add	*283.95*	
23 21 16 00-0322	EA	5" Flanged, 500 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-5F)	3,020.27	397.70
		For 300 PSIG, Add	*362.73*	
23 21 16 00-0323	EA	6" Flanged, 700 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-6F)	3,578.71	450.33
		For 300 PSIG, Add	*434.46*	
23 21 16 00-0324	EA	8" Flanged, 1,300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-8F)	5,122.20	540.25
		For 300 PSIG, Add	*645.51*	
23 21 16 00-0325	EA	10" Flanged, 2,000 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-10F)	7,836.28	614.09
		For 300 PSIG, Add	*1,035.88*	
23 21 16 00-0326	EA	12" Flanged, 2,750 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-12F)	10,562.95	794.67
		For 300 PSIG, Add	*1,403.83*	
23 21 16 00-0327	EA	14" Flanged, 3400 GPM With Strainer, Vortex Air Separator (Rolairtrol R-14F)	21,852.25	965.00
		For 300 PSIG, Add	*3,058.52*	
23 21 16 00-0328	EA	16" Flanged, 4400 GPM With Strainer, Vortex Air Separator (Rolairtrol R-16F)	26,970.06	1,158.00
		For 300 PSIG, Add	*3,782.33*	
23 21 16 00-0329	EA	18" Flanged, 5200 GPM With Strainer, Vortex Air Separator (Rolairtrol R-16F)	35,153.74	1,351.00
		For 300 PSIG, Add	*4,966.01*	
23 21 16 00-0330	EA	20" Flanged, 6300 GPM With Strainer, Vortex Air Separator (Rolairtrol R-20F)	41,123.07	1,544.01
		For 300 PSIG, Add	*5,817.55*	
23 21 16 00-0331		**Vortex Air Separators** *(23 21 16)*		
		Note: Without system strainer.		
23 21 16 00-0332	EA	2" Threaded, 56 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2N)	795.37	173.23
		For 300 PSIG, Add	*79.95*	
23 21 16 00-0333	EA	2-1/2" Threaded, 90 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2-1/2N)	998.85	198.44
		For 300 PSIG, Add	*104.65*	
23 21 16 00-0334	EA	3" Threaded, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3N)	1,697.92	233.41
		For 300 PSIG, Add	*201.65*	
23 21 16 00-0335	EA	3" Flanged, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3F)	1,542.34	247.10
		For 300 PSIG, Add	*175.19*	
23 21 16 00-0336	EA	4" Flanged, 300 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-4F)	2,066.90	329.46
		For 300 PSIG, Add	*235.16*	
23 21 16 00-0337	EA	5" Flanged, 530 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-5F)	2,679.29	397.70
		For 300 PSIG, Add	*311.59*	
23 21 16 00-0338	EA	6" Flanged, 850 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-6F)	3,116.23	450.33
		For 300 PSIG, Add	*365.09*	
23 21 16 00-0339	EA	8" Flanged, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8F)	8,437.95	540.25
		For 300 PSIG, Add	*1,142.87*	
23 21 16 00-0340	EA	10" Flanged, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10F)	5,723.77	614.09
		For 300 PSIG, Add	*719.00*	
23 21 16 00-0341	EA	12" Flanged, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12F)	8,787.98	794.67
		For 300 PSIG, Add	*1,137.58*	
23 21 16 00-0342		**Grooved, With Strainer, Vortex Air Separators** *(23 21 16)*		
23 21 16 00-0343	EA	3" Grooved, 190 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-3G)	1,620.31	197.67
23 21 16 00-0344	EA	4" Grooved, 300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-4G)	2,292.12	263.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0345	EA	5" Grooved, 500 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-5G)	2,899.84	317.87
23 21 16 00-0346	EA	6" Grooved, 700 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-6G)	3,442.19	360.27
23 21 16 00-0347	EA	8" Grooved, 1,300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-8G)	4,950.60	432.32
23 21 16 00-0348	EA	10" Grooved, 2,000 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-10G)	7,955.89	491.27
23 21 16 00-0349	EA	12" Grooved, 2,750 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-12G)	12,088.14	635.80
23 21 16 00-0350		**Grooved Vortex Air Separators** *(23 21 16)*		
		Note: Without system strainer.		
23 21 16 00-0351	EA	3" Grooved, 190 GPM Vortex Air Separator (Rolairtrol RL-3G)	1,298.93	197.67
23 21 16 00-0352	EA	4" Grooved, 300 GPM Vortex Air Separator (Rolairtrol RL-4G)	1,966.82	263.40
23 21 16 00-0353	EA	5" Grooved, 530 GPM Vortex Air Separator (Rolairtrol RL-5G)	2,558.86	317.87
23 21 16 00-0354	EA	6" Grooved, 850 GPM Vortex Air Separator (Rolairtrol RL-6G)	2,979.71	360.27
23 21 16 00-0355	EA	8" Grooved, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8G)	3,970.77	432.32
23 21 16 00-0356	EA	10" Grooved, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10G)	5,812.02	491.27
23 21 16 00-0357	EA	12" Grooved, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12G)	9,615.77	635.80
23 21 16 00-0358		**Removable Head, Air Eliminator And Dirt Separator** *(23 21 16)*		
		Note: Spirovent VDN.		
23 21 16 00-0359	EA	2", 45 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	2,623.92	173.23
23 21 16 00-0360	EA	2-1/2", 70 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	2,841.90	198.44
23 21 16 00-0361	EA	3", 95 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	3,792.67	233.41
23 21 16 00-0362	EA	4", 170 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	4,340.42	357.85
23 21 16 00-0363	EA	5", 260 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	6,335.85	442.42
23 21 16 00-0364	EA	6", 375 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	8,149.90	500.98
23 21 16 00-0365	EA	8", 625 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	12,715.93	113.05
23 21 16 00-0366	EA	10", 950 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	18,763.05	683.16
23 21 16 00-0367	EA	12", 1,400 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	24,251.21	884.03
23 21 16 00-0368		**Swivel Joints** *(23 21 16)*		
23 21 16 00-0369		**Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)** *(23 21 16 00-0368)*		
		Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.		
23 21 16 00-0370	EA	1" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	220.43	21.39
23 21 16 00-0371	EA	1-1/2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	316.88	31.31
23 21 16 00-0372	EA	2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	442.30	36.60
23 21 16 00-0373	EA	3" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	661.83	62.63
23 21 16 00-0374	EA	4" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	836.78	71.16
		For Stainless Steel, Add	*1,041.68*	
23 21 16 00-0375	EA	2" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	620.89	67.10
		For Stainless Steel, Add	*728.01*	
23 21 16 00-0376	EA	3" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	837.59	86.49
23 21 16 00-0377	EA	4" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,076.42	145.17
23 21 16 00-0378	EA	6" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	2,012.72	203.32
23 21 16 00-0379		**Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)** *(23 21 16 00-0368)*		
		Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.		
23 21 16 00-0380	EA	1" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	278.86	21.39
		For Stainless Steel, Add	*354.08*	
23 21 16 00-0381	EA	1-1/2" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	344.48	31.31
		For Stainless Steel, Add	*422.88*	
23 21 16 00-0382	EA	2" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	462.78	36.60
		For Stainless Steel, Add	*583.26*	
23 21 16 00-0383	EA	3" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	744.61	62.63
		For Stainless Steel, Add	*929.24*	
23 21 16 00-0384	EA	4" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	971.99	71.16
		For Stainless Steel, Add	*1,244.49*	
23 21 16 00-0385	EA	2" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	639.60	67.10
		For Stainless Steel, Add	*756.08*	
23 21 16 00-0386	EA	3" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	944.75	86.49
		For Stainless Steel, Add	*1,157.57*	
23 21 16 00-0387	EA	4" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	1,200.13	145.17
		For Stainless Steel, Add	*1,364.52*	
23 21 16 00-0388	EA	6" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	2,098.15	203.32
		For Stainless Steel, Add	*2,537.27*	
23 21 16 00-0389		**Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)** *(23 21 16 00-0368)*		
		Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.		
23 21 16 00-0390	EA	1" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	327.07	21.39
		For Stainless Steel, Add	*426.39*	
23 21 16 00-0391	EA	1-1/2" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	381.27	31.31
		For Stainless Steel, Add	*478.07*	
23 21 16 00-0392	EA	2" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	555.25	36.60
		For Stainless Steel, Add	*721.97*	
23 21 16 00-0393	EA	3" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	855.90	62.63
		For Stainless Steel, Add	*1,096.17*	
23 21 16 00-0394	EA	4" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	1,008.78	71.16
		For Stainless Steel, Add	*1,299.68*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0395	EA	2" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	731.58	67.10
		For Stainless Steel, Add	*894.05*	
23 21 16 00-0396	EA	3" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	1,058.81	86.49
		For Stainless Steel, Add	*1,328.66*	
23 21 16 00-0397	EA	4" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	1,317.87	145.17
		For Stainless Steel, Add	*1,541.13*	
23 21 16 00-0398	EA	6" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	2,351.10	203.32
		For Stainless Steel, Add	*2,916.69*	

23 21 16 00-0399 Basket Strainers *(23 21 16)*

23 21 16 00-0400 Bronze Body Basket Strainers *(23 21 16 00-0399)*

23 21 16 00-0401 Screwed Ends, Bronze Body Basket Strainers *(23 21 16 00-0400)*

23 21 16 00-0402	EA	1/2" Screwed Ends, Bronze Body Basket Strainer	136.23	16.27
		For Work In Restricted Working Space, Add	*9.68*	
23 21 16 00-0403	EA	3/4" Screwed Ends, Bronze Body Basket Strainer	160.91	19.12
		For Work In Restricted Working Space, Add	*11.38*	
23 21 16 00-0404	EA	1" Screwed Ends, Bronze Body Basket Strainer	187.19	22.77
		For Work In Restricted Working Space, Add	*13.55*	
23 21 16 00-0405	EA	1-1/4" Screwed Ends, Bronze Body Basket Strainer	230.43	25.21
		For Work In Restricted Working Space, Add	*15.11*	
23 21 16 00-0406	EA	1-1/2" Screwed Ends, Bronze Body Basket Strainer	270.92	28.46
		For Work In Restricted Working Space, Add	*17.06*	
23 21 16 00-0407	EA	2" Screwed Ends, Bronze Body Basket Strainer	394.68	32.53
		For Work In Restricted Working Space, Add	*19.54*	
23 21 16 00-0408	EA	2-1/2" Screwed Ends, Bronze Body Basket Strainer	556.09	43.51
		For Work In Restricted Working Space, Add	*26.17*	
23 21 16 00-0409	EA	3" Screwed Ends, Bronze Body Basket Strainer	768.62	46.36
		For Work In Restricted Working Space, Add	*27.76*	

23 21 16 00-0410 Flanged, Bronze Body Basket Strainers *(23 21 16 00-0400)*

23 21 16 00-0411	EA	2" Flanged, Bronze Body Basket Strainer	688.95	94.75
		For Work In Restricted Working Space, Add	*56.86*	
23 21 16 00-0412	EA	2-1/2" Flanged, Bronze Body Basket Strainer	1,070.13	144.36
		For Work In Restricted Working Space, Add	*86.62*	
23 21 16 00-0413	EA	3" Flanged, Bronze Body Basket Strainer	1,255.04	185.84
		For Work In Restricted Working Space, Add	*111.51*	
23 21 16 00-0414	EA	4" Flanged, Bronze Body Basket Strainer	1,928.40	216.74
		For Work In Restricted Working Space, Add	*130.06*	
23 21 16 00-0415	EA	6" Flanged, Bronze Body Basket Strainer	3,540.63	292.42
		For Work In Restricted Working Space, Add	*175.46*	
23 21 16 00-0416	EA	8" Flanged, Bronze Body Basket Strainer	6,188.67	350.91
		For Work In Restricted Working Space, Add	*210.54*	

23 21 16 00-0417 Iron Body Basket Strainers *(23 21 16 00-0399)*

23 21 16 00-0418 Screwed Ends, Iron Body Basket Strainers *(23 21 16 00-0417)*

23 21 16 00-0419	EA	1/2" Screwed Ends, Iron Body Basket Strainer	150.25	16.27
		For Work In Restricted Working Space, Add	*9.68*	
23 21 16 00-0420	EA	3/4" Screwed Ends, Iron Body Basket Strainer	169.97	19.12
		For Work In Restricted Working Space, Add	*11.38*	
23 21 16 00-0421	EA	1" Screwed Ends, Iron Body Basket Strainer	201.04	22.77
		For Work In Restricted Working Space, Add	*13.55*	
23 21 16 00-0422	EA	1-1/4" Screwed Ends, Iron Body Basket Strainer	259.27	25.21
		For Work In Restricted Working Space, Add	*15.11*	
23 21 16 00-0423	EA	1-1/2" Screwed Ends, Iron Body Basket Strainer	285.26	28.46
		For Work In Restricted Working Space, Add	*17.06*	
23 21 16 00-0424	EA	2" Screwed Ends, Iron Body Basket Strainer	337.89	32.53
		For Work In Restricted Working Space, Add	*19.54*	
23 21 16 00-0425	EA	2-1/2" Screwed Ends, Iron Body Basket Strainer	476.90	43.51
		For Work In Restricted Working Space, Add	*26.17*	
23 21 16 00-0426	EA	3" Screwed Ends, Iron Body Basket Strainer	536.31	46.36
		For Work In Restricted Working Space, Add	*27.76*	

23 21 16 00-0427 Flanged, Iron Body Basket Strainers *(23 21 16 00-0417)*

23 21 16 00-0428	EA	2" Flanged, Iron Body Basket Strainer	581.95	94.75
		For Work In Restricted Working Space, Add	*56.86*	
23 21 16 00-0429	EA	2-1/2" Flanged, Iron Body Basket Strainer	817.64	144.36
		For Work In Restricted Working Space, Add	*86.62*	
23 21 16 00-0430	EA	3" Flanged, Iron Body Basket Strainer	934.75	185.84
		For Work In Restricted Working Space, Add	*111.51*	
23 21 16 00-0431	EA	4" Flanged, Iron Body Basket Strainer	1,280.94	216.74
		For Work In Restricted Working Space, Add	*130.06*	
23 21 16 00-0432	EA	6" Flanged, Iron Body Basket Strainer	2,234.18	292.42
		For Work In Restricted Working Space, Add	*175.46*	
23 21 16 00-0433	EA	8" Flanged, Iron Body Basket Strainer	3,744.52	350.91
		For Work In Restricted Working Space, Add	*210.54*	
23 21 16 00-0434	EA	10" Flanged, Iron Body Basket Strainer	5,375.92	398.79
		For Work In Restricted Working Space, Add	*239.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0435	EA	12" Flanged, Iron Body Basket Strainer	6,463.58	516.13
		For Work In Restricted Working Space, Add	*309.65*	
23 21 16 00-0436	EA	14" Flanged, Iron Body Basket Strainer	8,106.31	626.52
		For Work In Restricted Working Space, Add	*375.92*	
23 21 16 00-0437	EA	16" Flanged, Iron Body Basket Strainer	8,921.01	877.20
		For Work In Restricted Working Space, Add	*526.49*	

23 21 16 00-0438 Cast Steel Body Basket Strainers *(23 21 16 00-0399)*

23 21 16 00-0439 Screwed Ends, Cast Steel Body Basket Strainers *(23 21 16 00-0438)*

23 21 16 00-0440	EA	1" Screwed Ends, Cast Steel Body Basket Strainer	298.18	22.77
		For Work In Restricted Working Space, Add	*13.55*	
23 21 16 00-0441	EA	1-1/4" Screwed Ends, Cast Steel Body Basket Strainer	388.07	25.21
		For Work In Restricted Working Space, Add	*15.11*	
23 21 16 00-0442	EA	1-1/2" Screwed Ends, Cast Steel Body Basket Strainer	437.43	28.46
		For Work In Restricted Working Space, Add	*17.06*	
23 21 16 00-0443	EA	2" Screwed Ends, Cast Steel Body Basket Strainer	606.49	32.53
		For Work In Restricted Working Space, Add	*19.54*	
23 21 16 00-0444	EA	2-1/2" Screwed Ends, Cast Steel Body Basket Strainer	848.35	43.51
		For Work In Restricted Working Space, Add	*26.17*	
23 21 16 00-0445	EA	3" Screwed Ends, Cast Steel Body Basket Strainer	1,089.52	46.36
		For Work In Restricted Working Space, Add	*27.76*	

23 21 16 00-0446 Flanged, Cast Steel Body Basket Strainers *(23 21 16 00-0438)*

23 21 16 00-0447	EA	2" Flanged, Cast Steel Body Basket Strainer	977.45	94.75
		For Work In Restricted Working Space, Add	*56.86*	
23 21 16 00-0448	EA	2-1/2" Flanged, Cast Steel Body Basket Strainer	1,441.14	144.36
		For Work In Restricted Working Space, Add	*86.62*	
23 21 16 00-0449	EA	3" Flanged, Cast Steel Body Basket Strainer	1,631.32	185.84
		For Work In Restricted Working Space, Add	*111.51*	
23 21 16 00-0450	EA	4" Flanged, Cast Steel Body Basket Strainer	2,202.35	216.74
		For Work In Restricted Working Space, Add	*130.06*	
23 21 16 00-0451	EA	6" Flanged, Cast Steel Body Basket Strainer	3,774.11	292.42
		For Work In Restricted Working Space, Add	*175.46*	
23 21 16 00-0452	EA	8" Flanged, Cast Steel Body Basket Strainer	5,927.89	350.91
		For Work In Restricted Working Space, Add	*210.54*	

23 21 16 00-0453 Stainless Steel Body Basket Strainers *(23 21 16 00-0399)*

23 21 16 00-0454 Screwed Ends, Stainless Steel Body Basket Strainers *(23 21 16 00-0453)*

23 21 16 00-0455	EA	1" Screwed Ends, Stainless Steel Body Basket Strainer	295.63	22.77
		For Work In Restricted Working Space, Add	*13.55*	
23 21 16 00-0456	EA	1-1/4" Screwed Ends, Stainless Steel Body Basket Strainer	421.09	25.21
		For Work In Restricted Working Space, Add	*15.11*	
23 21 16 00-0457	EA	1-1/2" Screwed Ends, Stainless Steel Body Basket Strainer	436.25	28.46
		For Work In Restricted Working Space, Add	*17.06*	
23 21 16 00-0458	EA	2" Screwed Ends, Stainless Steel Body Basket Strainer	639.17	32.53
		For Work In Restricted Working Space, Add	*19.54*	
23 21 16 00-0459	EA	2-1/2" Screwed Ends, Stainless Steel Body Basket Strainer	901.79	43.51
		For Work In Restricted Working Space, Add	*26.17*	
23 21 16 00-0460	EA	3" Screwed Ends, Stainless Steel Body Basket Strainer	1,264.19	46.36
		For Work In Restricted Working Space, Add	*27.76*	

23 21 16 00-0461 Flanged, Stainless Steel Body Basket Strainers *(23 21 16 00-0453)*

23 21 16 00-0462	EA	2" Flanged, Stainless Steel Body Basket Strainer	1,043.77	94.75
		For Work In Restricted Working Space, Add	*56.86*	
23 21 16 00-0463	EA	2-1/2" Flanged, Stainless Steel Body Basket Strainer	1,619.07	144.36
		For Work In Restricted Working Space, Add	*86.62*	
23 21 16 00-0464	EA	3" Flanged, Stainless Steel Body Basket Strainer	1,874.39	185.84
		For Work In Restricted Working Space, Add	*111.51*	
23 21 16 00-0465	EA	4" Flanged, Stainless Steel Body Basket Strainer	2,975.19	216.74
		For Work In Restricted Working Space, Add	*130.06*	
23 21 16 00-0466	EA	6" Flanged, Stainless Steel Body Basket Strainer	4,552.34	292.42
		For Work In Restricted Working Space, Add	*175.46*	
23 21 16 00-0467	EA	8" Flanged, Stainless Steel Body Basket Strainer	7,694.49	350.91
		For Work In Restricted Working Space, Add	*210.54*	

23 21 16 00-0468 Air Vents *(23 21 16)*

23 21 16 00-0469 Screwed Ends, Cast Iron, Automatic Air Vents *(23 21 16 00-0468)*

Note: With guided free floating lever.

23 21 16 00-0470	EA	1/2" NPT, Cast Iron, Automatic Air Vent	186.87	23.59
23 21 16 00-0471	EA	3/4" NPT, Cast Iron, Automatic Air Vent	229.61	31.31
23 21 16 00-0472	EA	1" NPT, Cast Iron, Automatic Air Vent	507.24	32.53
23 21 16 00-0473	EA	1-1/4" NPT, Cast Iron, Automatic Air Vent	752.96	50.26
23 21 16 00-0474	EA	1-1/2" NPT, Cast Iron, Automatic Air Vent	1,243.11	54.09
23 21 16 00-0475	EA	2" NPT, Cast Iron, Automatic Air Vent	1,431.23	71.33

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0476		Forged Steel, Stainless Steel Internals, Automatic Air Vents *(23 21 16 00-0468)* Note: With guided free floating lever.			
23 21 16 00-0477	EA	1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent		1,203.04	27.24
23 21 16 00-0478	EA	3/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent		1,506.90	31.31
23 21 16 00-0479	EA	1" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent		1,796.59	32.53
23 21 16 00-0480	EA	1-1/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent		2,946.80	50.42
23 21 16 00-0481	EA	1-1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent		3,402.25	54.09
23 21 16 00-0482	EA	2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent		4,999.27	71.16
23 21 16 00-0483		Manual Air Vent *(23 21 16 00-0468)*			
23 21 16 00-0484	EA	Manual Air Vent		57.21	29.36

23 21 23 Hydronic Pumps *(23 21)*

23 21 23 13 In-Line Centrifugal Hydronic Pumps *(23 21 23)*

23 21 23 13-0001		Cast Iron Single Stage In-Line Centrifugal Pump *(23 21 23 13)* Note: For general service, 125 LB flanged, 3550 RPM TEFC motor. Includes packed stuffing boxes and ductile iron case.			
23 21 23 13-0002	EA	50 GPM Cast Iron Centrifugal Pump, Single Stage With 100' Head And 3 HP		6,951.02	217.14
		For Mechanical Seal, Add		*503.99*	
		For Cast Steel Case, Add		*1,133.99*	
23 21 23 13-0003	EA	75 GPM Cast Iron Centrifugal Pump, Single Stage With 100' Head And 5 HP		7,541.82	262.82
		For Mechanical Seal, Add		*540.29*	
		For Cast Steel Case, Add		*1,215.66*	
23 21 23 13-0004	EA	100 GPM Cast Iron Centrifugal Pump, Single Stage With 150' Head And 7-1/2 HP		8,701.78	312.23
		For Mechanical Seal, Add		*621.27*	
		For Cast Steel Case, Add		*1,397.85*	
23 21 23 13-0005	EA	125 GPM Cast Iron Centrifugal Pump, Single Stage With 150' Head And 10 HP		9,223.18	416.31
		For Mechanical Seal, Add		*638.02*	
		For Cast Steel Case, Add		*1,435.54*	
23 21 23 13-0006	EA	150 GPM Cast Iron Centrifugal Pump, Single Stage With 200' Head And 15 HP		11,073.77	453.75
		For Mechanical Seal, Add		*776.99*	
		For Cast Steel Case, Add		*1,748.23*	
23 21 23 13-0007	EA	200 GPM Cast Iron Centrifugal Pump, Single Stage With 300' Head And 30 HP		16,889.56	499.42
		For Mechanical Seal, Add		*1,231.36*	
		For Cast Steel Case, Add		*2,770.57*	
23 21 23 13-0008	EA	250 GPM Cast Iron Centrifugal Pump, Single Stage With 300' Head And 40 HP		19,776.69	623.72
		For Mechanical Seal, Add		*1,432.38*	
		For Cast Steel Case, Add		*3,222.86*	
23 21 23 13-0009	EA	300 GPM Cast Iron Centrifugal Pump, Single Stage With 300' Head And 50 HP		16,274.87	712.82
		For Mechanical Seal, Add		*1,130.84*	
		For Cast Steel Case, Add		*2,544.40*	
23 21 23 13-0010	EA	400 GPM Cast Iron Centrifugal Pump, Single Stage With 400' Head And 75 HP		35,694.38	758.11
		For Mechanical Seal, Add		*2,673.60*	
		For Cast Steel Case, Add		*6,015.59*	
23 21 23 13-0011	EA	600 GPM Cast Iron Centrifugal Pump, Single Stage With 400' Head And 100 HP		38,710.75	974.51
		For Mechanical Seal, Add		*2,862.92*	
		For Cast Steel Case, Add		*6,441.57*	

23 21 23 16 Base-Mounted, Centrifugal Hydronic Pumps *(23 21 23)*

23 21 23 16-0001		Single Stage, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump *(23 21 23 16)* Note: 1800 RPM, welded steel baseplate, internally flushed mechanical seal, bronze wear ring, galvanized drip pan, and 3 phase 230/460V premium efficiency motor. Bell & Gossett 1510 Series.			
23 21 23 16-0002	EA	5 HP, 50 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/4 BC, BF, 184T)		3,121.32	237.36
23 21 23 16-0003	EA	7.5 HP, 100 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/2 BC, BF, 213T)		3,484.17	237.65
23 21 23 16-0004	EA	10 HP, 225 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 215T)		4,576.48	312.23
23 21 23 16-0005	EA	15 HP, 250 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 254T)		5,056.98	384.12
23 21 23 16-0006	EA	15 HP, 300 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 G, BF, 254T)		5,614.84	384.12
23 21 23 16-0007	EA	20 HP, 350 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 E, BF, 256T)		5,504.00	416.31
23 21 23 16-0008	EA	20 HP, 500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 256T)		5,821.16	416.31
23 21 23 16-0009	EA	25 HP, 600 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 284T)		6,354.64	436.53
23 21 23 16-0010	EA	30 HP, 750 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 286T)		7,128.46	554.83
23 21 23 16-0011	EA	40 HP, 1,050 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 324T)		7,580.92	623.72
23 21 23 16-0012	EA	60 HP, 1,500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 6 E, BF, 364T)		12,315.87	1,494.50
23 21 23 16-0013	EA	75 HP, 2,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 365T)		17,435.98	1,793.08
23 21 23 16-0014	EA	100 HP, 3,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 404TS)		20,007.63	2,241.36
23 21 23 16-0015		Single Stage, Vertical Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump *(23 21 23 16)* Note: 125 LB flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.			
23 21 23 16-0016	EA	40 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 1-1/2 HP		2,811.20	174.46
		For 300 LB Flanges, Add		*624.15*	
23 21 23 16-0017	EA	50 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 2 HP		3,499.84	187.19
		For 300 LB Flanges, Add		*804.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 16-0018	EA	90 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 3 HP	4,373.90	199.92
		For 300 LB Flanges, Add	*1,010.28*	
23 21 23 16-0019	EA	100 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 5 HP	5,128.73	237.36
		For 300 LB Flanges, Add	*1,175.22*	
23 21 23 16-0020	EA	150 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 7.5 HP	5,389.91	237.65
		For 300 LB Flanges, Add	*1,235.16*	
23 21 23 16-0021	EA	200 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 10 HP	5,814.28	312.23
		For 300 LB Flanges, Add	*1,313.18*	
23 21 23 16-0022	EA	225 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 10 HP	5,814.28	312.23
		For 300 LB Flanges, Add	*1,313.18*	
23 21 23 16-0023	EA	250 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 10 HP	5,814.28	312.23
		For 300 LB Flanges, Add	*1,313.18*	
23 21 23 16-0024	EA	300 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 15 HP	7,081.18	384.12
		For 300 LB Flanges, Add	*1,597.50*	
23 21 23 16-0025	EA	350 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 15 HP	7,202.60	383.82
		For 300 LB Flanges, Add	*1,620.89*	
23 21 23 16-0026	EA	500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 20 HP	7,586.09	416.31
		For 300 LB Flanges, Add	*1,709.33*	
23 21 23 16-0027	EA	600 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 25 HP	8,315.54	436.53
		For 300 LB Flanges, Add	*1,876.74*	
23 21 23 16-0028	EA	750 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 30 HP	9,261.52	554.83
		For 300 LB Flanges, Add	*2,065.79*	
23 21 23 16-0029	EA	1,050 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 40 HP	10,499.98	623.72
		For 300 LB Flanges, Add	*2,344.21*	
23 21 23 16-0030	EA	1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 60 HP	15,524.60	1,494.50
		For 300 LB Flanges, Add	*3,160.72*	
23 21 23 16-0031	EA	2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 75 HP	18,488.86	1,793.08
		For 300 LB Flanges, Add	*3,757.69*	
23 21 23 16-0032	EA	3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 100 HP	21,990.66	2,241.36
		For 300 LB Flanges, Add	*4,417.01*	

23 21 23 16-0033 Single Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump *(23 21 23 16)*

Note: 125 LB flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.

23 21 23 16-0034	EA	40 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 1-1/2" HP	4,343.60	174.46
		For 300 LB Flanges, Add	*1,007.25*	
23 21 23 16-0035	EA	50 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 2 HP	4,458.57	187.19
		For 300 LB Flanges, Add	*1,030.40*	
23 21 23 16-0036	EA	90 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 3 HP	4,573.65	199.92
		For 300 LB Flanges, Add	*1,053.56*	
23 21 23 16-0037	EA	100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 5 HP	4,968.67	204.42
		For 300 LB Flanges, Add	*1,150.11*	
23 21 23 16-0038	EA	100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 7.5 HP	8,110.35	237.36
		For 300 LB Flanges, Add	*1,920.62*	
23 21 23 16-0039	EA	250 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 10 HP	10,827.68	312.23
		For 300 LB Flanges, Add	*2,585.53*	
23 21 23 16-0040	EA	350 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 15 HP	11,048.36	336.94
		For 300 LB Flanges, Add	*2,621.70*	
23 21 23 16-0041	EA	500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 20 HP	11,681.45	374.38
		For 300 LB Flanges, Add	*2,747.57*	
23 21 23 16-0042	EA	750 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 25 HP	13,028.41	379.42
		For 300 LB Flanges, Add	*3,086.52*	
23 21 23 16-0043	EA	1,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 40 HP	14,596.41	487.62
		For 300 LB Flanges, Add	*3,429.78*	
23 21 23 16-0044	EA	1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 50 HP	18,514.86	597.96
		For 300 LB Flanges, Add	*4,340.54*	
23 21 23 16-0045	EA	2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 75 HP	20,863.89	746.85
		For 300 LB Flanges, Add	*4,855.75*	
23 21 23 16-0046	EA	3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 100 HP	29,726.90	896.54
		For 300 LB Flanges, Add	*6,999.46*	
23 21 23 16-0047	EA	3,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 150 HP	56,597.81	995.80
		For 300 LB Flanges, Add	*13,669.16*	
23 21 23 16-0048	EA	4,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 200 HP	60,150.14	1,280.78
		For 300 LB Flanges, Add	*14,420.02*	

23 21 23 16-0049 Two Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump *(23 21 23 16)*

Note: 3500 RPM drip-proof motor, common base plate 500' head. Packed stuffing box and boiler feed water service.

23 21 23 16-0050	EA	100 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 40 HP	15,492.53	384.12
		For 300 LB Flanges, Add	*3,700.34*	
23 21 23 16-0051	EA	200 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 50 HP	16,782.55	416.31
		For 300 LB Flanges, Add	*4,008.45*	
23 21 23 16-0052	EA	300 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 75 HP	20,175.76	551.89
		For 300 LB Flanges, Add	*4,791.23*	
23 21 23 16-0053	EA	400 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 100 HP	39,760.65	758.34
		For 300 LB Flanges, Add	*9,592.69*	
23 21 23 16-0054	EA	800 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 200 HP	48,694.73	1,011.12
		For 300 LB Flanges, Add	*11,710.39*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 16-0055		Cast Iron Close Coupling Pumps *(23 21 23 16)*		
23 21 23 16-0056		Foot Mounted Cast Iron Close Coupled Pumps *(23 21 23 16-0055)*		
23 21 23 16-0057	EA	3 HP, 90 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 1-1/2 AC, BF, 182JM)	2,806.31	224.63
23 21 23 16-0058	EA	3 HP, 150 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 AB, BF, 182JM)	3,034.47	224.63
23 21 23 16-0059	EA	5 HP, 225 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 BB, BF, 184JM)	3,361.49	237.11
23 21 23 16-0060	EA	5 HP, 350 GPM At 25' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 184JM)	3,563.33	237.11
23 21 23 16-0061	EA	7.5 HP, 350 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 213JM)	4,072.12	249.33
23 21 23 16-0062	EA	10 HP, 600 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 5 A, BF, 215JM)	4,843.93	304.61
23 21 23 16-0063	EA	15 HP, 1,000 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 254JP)	6,333.39	375.25
23 21 23 16-0064	EA	20 HP, 1,350 GPM At 30' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 256JP)	6,784.56	406.15
23 21 23 16-0065	EA	25 HP, 1,550 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 284JP)	7,824.73	438.63
23 21 23 16-0066		Pumps, Polypropylene Body, Housing And Impeller, 115/230 Volt *(23 21 23 16)*		
23 21 23 16-0067	EA	1/3 HP, Centrifugal Pump, Polypropylene Body	1,779.82	116.06
23 21 23 16-0068	EA	1/2 HP, Centrifugal Pump, Polypropylene Body	1,900.17	123.05
23 21 23 16-0069	EA	3/4 HP, Centrifugal Pump, Polypropylene Body	2,241.21	131.02
23 21 23 23		**Vertical-Turbine Hydronic Pumps** *(23 21 23)*		
23 21 23 23-0001		Cast Iron, Bronze Fitted Vertical Turbine Wet Sump Pumps *(23 21 23 23)* Note: For water supply, cooling towers and process liquids. Multi-stage 1750 RPM drip-proof motor. For 1' to 5' sump depth.		
23 21 23 23-0002	EA	50 GPM Cast Iron Turbine Pump, 3" Discharge 100' Head, 10 Stage, 2 HP	7,975.49	554.83
		For Each Extra Column Assembly <60", Add	*671.32*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*285.74*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*205.99*	
23 21 23 23-0003	EA	100 GPM Cast Iron Turbine Pump, 4" Discharge 100' Head, 7 Stage, 3 HP	8,349.57	623.72
		For Each Extra Column Assembly <60", Add	*701.51*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*300.44*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*216.94*	
23 21 23 23-0004	EA	250 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 5 Stage, 15 HP	10,078.70	597.96
		For Each Extra Column Assembly <60", Add	*849.18*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*360.27*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*259.48*	
23 21 23 23-0005	EA	500 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 3 Stage, 25 HP	10,872.60	690.02
		For Each Extra Column Assembly <60", Add	*914.14*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*390.57*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*281.84*	
23 21 23 23-0006	EA	1,000 GPM Cast Iron Turbine Pump, 8" Discharge 150' Head, 2 Stage, 50 HP	13,311.48	746.85
		For Each Extra Column Assembly <60", Add	*1,112.95*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*484.43*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*351.32*	
23 21 23 23-0007	EA	2,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 3 Stage, 100 HP	21,075.12	896.54
		For Each Extra Column Assembly <60", Add	*1,743.64*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*785.37*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*574.62*	
23 21 23 23-0008	EA	3,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 2 Stage, 150 HP	25,233.69	1,120.68
		For Each Extra Column Assembly <60", Add	*2,090.74*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*937.30*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*684.97*	
23 21 23 23-0009	EA	4,000 GPM Cast Iron Turbine Pump, 12" Discharge 150' Head, 2 Stage, 200 HP	40,317.04	1,280.78
		For Each Extra Column Assembly <60", Add	*3,307.70*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*1,530.35*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*1,127.18*	
23 21 23 23-0010	EA	6,000 GPM Cast Iron Turbine Pump, 14" Discharge 150' Head, 2 Stage, 300 HP	52,830.57	1,494.50
		For Each Extra Column Assembly <60", Add	*4,322.50*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*2,017.16*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*1,488.86*	
23 21 23 23-0011	EA	10,000 GPM Cast Iron Turbine Pump, 18" Discharge 100' Head, 2 Stage, 300 HP	73,903.14	1,793.08
		For Each Extra Column Assembly <60", Add	*6,027.52*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*2,840.86*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*2,101.82*	
23 21 29		**Automatic Condensate Pump Units** *(23 21)*		
23 21 29 00-0001		Automatic Shallow Pan Condensate Pump *(23 21 29)*		
23 21 29 00-0002	EA	1/150 HP, 205 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 1-ABS)	151.51	24.34
23 21 29 00-0003	EA	1/40 HP, 300 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 2-ABS)	164.37	24.34
23 21 29 00-0004	EA	1/12 HP, 310 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 3-ABS)	256.52	28.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 29 00-0005		Automatic Condensate Pump With Tank *(23 21 29)*		
23 21 29 00-0006	EA	1/20 HP Automatic Condensate Pump With Tank (Hartell KT-15-1UL)	82.98	18.72
23 21 29 00-0007	EA	1/30 HP Automatic Condensate Pump With Tank (Little Giant VCMX-20)	88.48	18.72
23 21 29 00-0008	EA	1/50 HP, 200 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-14ULS)	147.30	24.34
23 21 29 00-0009	EA	1/18 HP, 270 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-24ULS)	159.00	28.08
23 21 29 00-0010	EA	1/5 HP, 450 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-45ULS) Condensate Pump	293.93	31.83

23 22 Steam And Condensate Piping And Pumps *(23 20)*

23 22 13 Steam and Condensate Heating Piping *(23 22)*

23 22 13 00-0001 Ric-Wil System Pipe And Casing *(23 22 13)*
Note: Larger pipe size is usually for the condensate return. Perma, Ric-Wil or Thermacol.

23 22 13 00-0002 Steam Pipe *(23 22 13 00-0001)*
Note: Includes condensate return.

23 22 13 00-0003	LF	1-1/4" And 1-1/2" Ric-Wil Pipe, 10" Case Steam Pipe With Condensate Return	66.16	10.61
23 22 13 00-0004	LF	1-1/4" And 2" Ric-Wil Pipe, 10" Case Steam Pipe With Condensate Return	70.19	12.13
23 22 13 00-0005	LF	1-1/2" And 3" Ric-Wil Pipe, 10" Case Steam Pipe With Condensate Return	80.81	13.64
23 22 13 00-0006	LF	3" And 6" Ric-Wil Pipe, 15" Case Steam Pipe With Condensate Return	123.60	21.22
23 22 13 00-0007	LF	4" And 8" Ric-Wil Pipe, 16-1/2" Case Steam Pipe With Condensate Return	161.58	28.80

23 22 13 00-0008 Steam Or Condensate Pipe *(23 22 13 00-0001)*
Note: Excludes return.

23 22 13 00-0009	LF	2" Steam Or Condensate Pipe, 6" Case With No Return Line	52.03	6.83
23 22 13 00-0010	LF	2" Steam Or Condensate Pipe, 8" Case With No Return Line	55.35	7.58
23 22 13 00-0011	LF	3" Steam Or Condensate Pipe, 8" Case With No Return Line	64.87	9.10
23 22 13 00-0012	LF	4" Steam Or Condensate Pipe, 10" Case With No Return Line	84.23	13.64
23 22 13 00-0013	LF	6" Steam Or Condensate Pipe, 11-1/2" Case With No Return Line	114.55	20.47

23 22 16 Steam And Condensate Heating Piping Specialties *(23 22)*

23 22 16 00-0001 Steam Temperature Regulator, Iron Body *(23 22 16)*

23 22 16 00-0002 Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body *(23 22 16 00-0001)*
Note: Up to 150 PSI.

23 22 16 00-0003	EA	1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	500.94	11.71
23 22 16 00-0004	EA	3/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	530.68	15.77
23 22 16 00-0005	EA	1" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	702.70	19.43
23 22 16 00-0006	EA	1-1/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	779.07	24.56
23 22 16 00-0007	EA	1-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	802.72	28.21
23 22 16 00-0008	EA	2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	945.73	30.68
23 22 16 00-0009	EA	2-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,222.30	56.21
23 22 16 00-0010	EA	3" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,521.43	61.29
23 22 16 00-0011	EA	4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,288.19	143.46
23 22 16 00-0012	EA	6" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,729.00	168.38

23 22 16 00-0013 Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body *(23 22 16 00-0001)*

23 22 16 00-0014	EA	1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	736.64	11.71
23 22 16 00-0015	EA	3/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	766.74	15.77
23 22 16 00-0016	EA	1" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	804.07	19.43
23 22 16 00-0017	EA	1-1/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	963.76	24.56
23 22 16 00-0018	EA	1-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,034.63	28.21
23 22 16 00-0019	EA	2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,173.46	30.68
23 22 16 00-0020	EA	2-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,808.31	56.21
23 22 16 00-0021	EA	3" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,080.34	61.29
23 22 16 00-0022	EA	4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,943.41	143.46
23 22 16 00-0023	EA	6" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,685.03	168.38

23 22 16 00-0024 Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body *(23 22 16 00-0001)*

23 22 16 00-0025	EA	1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	999.45	11.71
23 22 16 00-0026	EA	3/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,018.08	15.77
23 22 16 00-0027	EA	1" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,116.51	19.43
23 22 16 00-0028	EA	1-1/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,219.27	24.56
23 22 16 00-0029	EA	1-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,266.53	28.21
23 22 16 00-0030	EA	2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,427.59	30.68
23 22 16 00-0031	EA	2-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,641.49	56.21
23 22 16 00-0032	EA	3" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,917.97	61.29
23 22 16 00-0033	EA	4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,763.54	143.46
23 22 16 00-0034	EA	6" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	5,242.47	168.38

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0035		**Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body** *(23 22 16 00-0001)*		
23 22 16 00-0036	EA	1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,277.18	11.71
23 22 16 00-0037	EA	3/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,294.43	15.77
23 22 16 00-0038	EA	1" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,408.13	19.43
23 22 16 00-0039	EA	1-1/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,471.99	24.56
23 22 16 00-0040	EA	1-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,531.75	28.21
23 22 16 00-0041	EA	2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,667.82	30.68
23 22 16 00-0042	EA	2-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,780.36	56.21
23 22 16 00-0043	EA	3" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,063.90	61.29
23 22 16 00-0044	EA	4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,909.47	143.46
23 22 16 00-0045	EA	6" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	5,388.40	168.38
23 22 16 00-0046		**High Temperature Safety Relief Valve** *(23 22 16)*		
		Note: Used in steam or water boiler, heating systems and unfired pressure vessel applications.		
23 22 16 00-0047		**Cast Iron Body Safety Valve, Steam Or Water** *(23 22 16 00-0046)*		
		Note: Variable set points to 500 psig pressure, 400 Degree F temperature range.		
23 22 16 00-0048		**Threaded** *(23 22 16 00-0047)*		
23 22 16 00-0049	EA	3/4" x 1" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	205.22	12.19
23 22 16 00-0050	EA	1" x 1-1/4" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	217.98	14.43
23 22 16 00-0051	EA	1-1/4" x 1-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	245.01	18.29
23 22 16 00-0052	EA	1-1/2" x 2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	297.91	20.33
23 22 16 00-0053	EA	2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	379.42	25.00
23 22 16 00-0054	EA	2-1/2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	568.88	28.45
23 22 16 00-0055	EA	3" x 3" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	619.73	32.72
23 22 16 00-0056		**Flanged** *(23 22 16 00-0047)*		
23 22 16 00-0057	EA	1-1/2" x 2-1/2" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	1,306.09	20.33
23 22 16 00-0058	EA	2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	1,504.79	24.38
23 22 16 00-0059	EA	2-1/2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	1,734.77	41.16
23 22 16 00-0060	EA	2-1/2" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	2,068.97	44.90
23 22 16 00-0061	EA	3" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	2,246.81	48.64
23 22 16 00-0062	EA	3" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	2,622.04	56.13
23 22 16 00-0063	EA	4" x 6" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	4,400.01	89.88
23 22 16 00-0064	EA	6" x 8" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	8,549.28	93.55
23 22 16 00-0065		**Bronze Body Safety Valve, Threaded, Steam** *(23 22 16 00-0046)*		
		Note: Variable set points to 250 psig pressure, 400 Degree F temperature range. Valve also can be set for Air or Gas with variable set points to 300 psig pressure.		
23 22 16 00-0066	EA	3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Steam	219.31	11.18
23 22 16 00-0067	EA	3/4" x 1" Threaded Bronze Body Safety Relief Valve, Steam	226.06	12.19
23 22 16 00-0068	EA	1" x 1" Threaded Bronze Body Safety Relief Valve, Steam	262.96	13.41
23 22 16 00-0069	EA	1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam	289.66	14.43
23 22 16 00-0070	EA	1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam	334.31	16.26
23 22 16 00-0071	EA	1-1/4" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam	339.68	18.29
23 22 16 00-0072	EA	1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam	379.66	19.31
23 22 16 00-0073	EA	1-1/2" x 2" Threaded Bronze Body Safety Relief Valve, Steam	412.39	20.33
23 22 16 00-0074	EA	2" x 2" Threaded Bronze Body Safety Relief Valve, Steam	562.25	22.76
23 22 16 00-0075	EA	2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam	614.70	25.00
23 22 16 00-0076	EA	2-1/2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam	730.86	28.45
23 22 16 00-0077		**Bronze Body Safety Valve, Threaded, Water** *(23 22 16 00-0046)*		
		Note: Variable set points to 160 psig pressure, 250 Degree F temperature range.		
23 22 16 00-0078	EA	3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Water	114.39	11.18
23 22 16 00-0079	EA	3/4" x 1" Threaded Bronze Body Safety Relief Valve, Water	129.34	12.19
23 22 16 00-0080	EA	1" x 1" Threaded Bronze Body Safety Relief Valve, Water	172.59	13.41
23 22 16 00-0081	EA	1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water	189.39	14.43
23 22 16 00-0082	EA	1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water	265.24	16.26
23 22 16 00-0083	EA	1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Water	352.84	19.31
23 22 16 00-0084	EA	2" x 2" Threaded Bronze Body Safety Relief Valve, Water	504.48	22.76
23 22 16 00-0085		**Steam Traps** *(23 22 16)*		
23 22 16 00-0086		**Inverted Bucket Steam Traps** *(23 22 16 00-0085)*		
23 22 16 00-0087	EA	1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap	207.30	24.39
		For Work In Restricted Working Space, Add	*14.64*	
23 22 16 00-0088	EA	3/4" 250 PSI Inverted Bucket Cast Iron Steam Trap	209.33	25.41
		For Work In Restricted Working Space, Add	*15.25*	
23 22 16 00-0089	EA	1" 250 PSI Inverted Bucket Cast Iron Steam Trap	309.37	27.08
		For Work In Restricted Working Space, Add	*16.27*	
23 22 16 00-0090	EA	1-1/4" 250 PSI Inverted Bucket Cast Iron Steam Trap	499.18	36.96
		For Work In Restricted Working Space, Add	*22.18*	
23 22 16 00-0091	EA	1-1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap	741.38	45.55
		For Work In Restricted Working Space, Add	*27.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0092	EA	2" 250 PSI Inverted Bucket Cast Iron Steam Trap	947.87	67.77
		For Work In Restricted Working Space, Add	*40.67*	
23 22 16 00-0093		**Float And Thermostatic Steam Traps** *(23 22 16 00-0085)*		
23 22 16 00-0094	EA	3/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	219.06	25.41
		For Work In Restricted Working Space, Add	*15.25*	
23 22 16 00-0095	EA	1" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	287.45	27.10
		For Work In Restricted Working Space, Add	*16.27*	
23 22 16 00-0096	EA	1-1/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	356.15	36.96
		For Work In Restricted Working Space, Add	*22.18*	
23 22 16 00-0097	EA	1-1/2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	480.82	45.18
		For Work In Restricted Working Space, Add	*27.11*	
23 22 16 00-0098	EA	2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	876.50	67.74
		For Work In Restricted Working Space, Add	*40.67*	
23 22 16 00-0099	EA	3/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	277.62	25.41
		For Work In Restricted Working Space, Add	*15.25*	
23 22 16 00-0100	EA	1" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	301.63	27.08
		For Work In Restricted Working Space, Add	*16.27*	
23 22 16 00-0101	EA	1-1/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	394.80	36.96
		For Work In Restricted Working Space, Add	*22.18*	
23 22 16 00-0102	EA	1-1/2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	565.86	45.13
		For Work In Restricted Working Space, Add	*27.11*	
23 22 16 00-0103	EA	2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	962.84	67.77
		For Work In Restricted Working Space, Add	*40.67*	
23 22 16 00-0104	EA	3/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	358.81	25.41
		For Work In Restricted Working Space, Add	*15.25*	
23 22 16 00-0105	EA	1" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	399.57	27.10
		For Work In Restricted Working Space, Add	*16.27*	
23 22 16 00-0106	EA	1-1/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	607.43	36.96
		For Work In Restricted Working Space, Add	*22.18*	
23 22 16 00-0107	EA	1-1/2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	623.86	45.13
		For Work In Restricted Working Space, Add	*27.11*	
23 22 16 00-0108	EA	2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,206.38	67.77
		For Work In Restricted Working Space, Add	*40.67*	
23 22 16 00-0109	EA	3/4" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap	363.96	25.41
		For Work In Restricted Working Space, Add	*15.25*	
23 22 16 00-0110	EA	1" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap	399.57	27.10
		For Work In Restricted Working Space, Add	*16.27*	
23 22 16 00-0111	EA	1-1/4" 150 PSI Max Pressure Float And Thermostatic Steam Trap	607.43	36.96
		For Work In Restricted Working Space, Add	*22.18*	
23 22 16 00-0112	EA	1-1/2" 150 PSI Max Pressure Float And Thermostatic Steam Trap	623.86	45.13
		For Work In Restricted Working Space, Add	*27.11*	
23 22 16 00-0113	EA	2" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,206.38	67.77
		For Work In Restricted Working Space, Add	*40.67*	
23 22 16 00-0114		**Thermostatic Steam Traps** *(23 22 16 00-0085)*		
23 22 16 00-0115	EA	1/2" 25 PSI Maximum Pressure Thermostatic Steam Trap	108.58	24.39
		For Work In Restricted Working Space, Add	*14.64*	
23 22 16 00-0116	EA	3/4" 25 PSI Maximum Pressure Thermostatic Steam Trap	178.39	25.41
		For Work In Restricted Working Space, Add	*15.25*	
23 22 16 00-0117	EA	1" 25 PSI Maximum Pressure Thermostatic Steam Trap	219.45	27.08
		For Work In Restricted Working Space, Add	*16.27*	
23 22 16 00-0118		**Thermodynamic Steam Traps** *(23 22 16 00-0085)*		
23 22 16 00-0119	EA	3/8" 600 PSI Maximum Pressure Thermodynamic Steam Trap	233.60	21.96
23 22 16 00-0120	EA	1/2" 600 PSI Maximum Pressure Thermodynamic Steam Trap	329.72	24.39
23 22 16 00-0121	EA	3/4" 600 PSI Maximum Pressure Thermodynamic Steam Trap	407.77	25.41
23 22 16 00-0122	EA	1" 600 PSI Maximum Pressure Thermodynamic Steam Trap	545.17	27.08
23 22 16 00-0123		**Steam Moisture Separator** *(23 22 16 00-0085)*		
23 22 16 00-0124	EA	1/2" Steam Moisture Separator, Threaded Spirax Sarco S1	276.54	40.66
23 22 16 00-0125	EA	3/4" Steam Moisture Separator, Threaded Spirax Sarco S1	313.92	54.89
23 22 16 00-0126	EA	1" Steam Moisture Separator, Threaded	373.21	61.81
23 22 16 00-0127	EA	1-1/2" Steam Moisture Separator, Threaded	452.22	70.76
23 22 16 00-0128	EA	2" Steam Moisture Separator, Flanged	696.97	108.45
23 22 16 00-0129	EA	2-1/2" Steam Moisture Separator, Flanged	849.06	130.13
23 22 16 00-0130	EA	3" Steam Moisture Separator, Flanged	1,122.88	162.65
23 22 16 00-0131	EA	4" Steam Moisture Separator, Flanged	1,743.58	216.74
23 22 16 00-0132	EA	6" Steam Moisture Separator, Flanged	3,466.02	287.09
23 22 16 00-0133		**Steam/Condensate Meter** *(23 22 16)*		
		Note: Meter shall be of the rotary volumetric type and sized on the maximum estimated steam demand.		
23 22 16 00-0134	EA	1" Steam/Condensate Meter	3,422.46	44.90
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0135	EA	2" Steam/Condensate Meter	3,862.12	52.76
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0136	EA	2-1/2" Steam/Condensate Meter	4,099.54	65.48
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0137	EA	3" Steam/Condensate Meter	4,352.67	86.06
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0138	EA	4" Steam/Condensate Meter	4,854.38	101.40
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0139	EA	6" Steam/Condensate Meter	9,316.43	624.88
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0140	EA	8" Steam/Condensate Meter	9,615.42	662.52
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0141	EA	10" Steam/Condensate Meter	9,993.19	692.38
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0142	EA	12" Steam/Condensate Meter	10,424.19	737.13
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0143	EA	14" Steam/Condensate Meter	11,069.83	800.89
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0144	EA	16" Steam/Condensate Meter	11,423.98	830.75
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	

23 22 23 Steam Condensate Pumps *(23 22)*

23 22 23 13 Electric-Driven Steam Condensate Pumps *(23 22 23)*

23 22 23 13-0001 Simplex Condensate Pumps And Motors *(23 22 23 13)*

Note: Cast iron receiver, float switch.

23 22 23 13-0002 20 PSI Discharge Pressure *(23 22 23 13-0001)*

23 22 23 13-0003	EA	3 To 6 GPM Simplex Condensate Pump And 1/3 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	1,566.04	381.12
23 22 23 13-0004	EA	9 To 12 GPM Simplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,025.76	391.61
23 22 23 13-0005	EA	15 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,117.45	417.81
23 22 23 13-0006	EA	22.5 GPM Simplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,337.19	422.31
23 22 23 13-0007	EA	30 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,613.35	459.74
23 22 23 13-0008	EA	37.5 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,872.35	459.74
23 22 23 13-0009	EA	45 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,933.02	491.19
23 22 23 13-0010	EA	60 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,809.71	513.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 23 13-0011	EA	75 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,856.40	536.12
23 22 23 13-0012		**30 PSI Discharge Pressure** *(23 22 23 13-0001)*		
23 22 23 13-0013	EA	3 To 6 GPM Simplex Condensate Pump And 1/2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	1,801.73	407.33
23 22 23 13-0014	EA	9 To 12 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	2,363.45	417.81
23 22 23 13-0015	EA	15 GPM Simplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	2,452.63	445.52
23 22 23 13-0016	EA	22.5 GPM Simplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	2,841.04	481.45
23 22 23 13-0017	EA	30 To 37.5 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,933.02	491.94
23 22 23 13-0018	EA	45 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,041.22	509.16
23 22 23 13-0019	EA	60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,162.40	536.12
23 22 23 13-0020	EA	75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,835.82	570.55
23 22 23 13-0021		**40 PSI Discharge Pressure** *(23 22 23 13-0001)*		
23 22 23 13-0022	EA	3 To 6 GPM Simplex Condensate Pump And 1 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	2,006.58	467.22
23 22 23 13-0023	EA	9 To 15 GPM Simplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	2,553.30	504.66
23 22 23 13-0024	EA	22.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	2,999.24	498.68
23 22 23 13-0025	EA	30 To 37.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	4,021.22	509.16
23 22 23 13-0026	EA	45 GPM Simplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	4,104.92	530.87
23 22 23 13-0027	EA	60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	4,856.40	536.12
23 22 23 13-0028	EA	75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	4,920.82	570.55
23 22 23 13-0029		**50 PSI Discharge Pressure** *(23 22 23 13-0001)*		
23 22 23 13-0030	EA	3 To 6 GPM Simplex Condensate Pump And 2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	3,832.48	506.17
23 22 23 13-0031	EA	9 To 15 GPM Simplex Condensate Pump And 2 HP Motor With 13.6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	2,755.20	516.65
23 22 23 13-0032	EA	22.5 GPM Simplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	3,175.95	520.39
23 22 23 13-0033	EA	30 To 45 GPM Simplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	4,168.33	566.06
23 22 23 13-0034	EA	60 To 75 GPM Simplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	6,614.72	610.24
23 22 23 13-0035		**Duplex Condensate Pumps And Motors** *(23 22 23 13)* Note: Cast iron receiver, float switch, alternator assembly.		
23 22 23 13-0036		**20 PSI Discharge Pressure** *(23 22 23 13-0035)*		
23 22 23 13-0037	EA	9 To 12 GPM Duplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,599.97	511.41
23 22 23 13-0038	EA	15 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,752.60	561.58
23 22 23 13-0039	EA	22.5 GPM Duplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,014.33	566.06
23 22 23 13-0040	EA	30 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,370.45	616.97
23 22 23 13-0041	EA	37.5 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,729.45	616.97
23 22 23 13-0042	EA	45 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,815.08	664.90
23 22 23 13-0043	EA	60 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	5,716.01	694.10
23 22 23 13-0044	EA	75 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	5,855.41	728.54
23 22 23 13-0045		**30 PSI Discharge Pressure** *(23 22 23 13-0035)*		
23 22 23 13-0046	EA	9 To 12 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,383.87	551.08
23 22 23 13-0047	EA	15 GPM Duplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,539.74	602.01
23 22 23 13-0048	EA	22.5 GPM Duplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,919.11	587.03

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 23 13-0049	EA	30 To 37.5 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,815.08	664.90
23 22 23 13-0050	EA	45 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,951.52	689.61
23 22 23 13-0051	EA	60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,655.41	728.54
23 22 23 13-0052	EA	75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,934.04	780.96
23 22 23 13-0053		40 PSI Discharge Pressure *(23 22 23 13-0035)*		
23 22 23 13-0054	EA	9 To 15 GPM Duplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	3,665.37	649.92
23 22 23 13-0055	EA	22.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	4,053.54	679.13
23 22 23 13-0056	EA	30 To 37.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	4,963.52	689.61
23 22 23 13-0057	EA	45 GPM Duplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,103.94	724.06
23 22 23 13-0058	EA	60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,856.41	728.54
23 22 23 13-0059	EA	75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,958.04	780.96
23 22 23 13-0060		50 PSI Discharge Pressure *(23 22 23 13-0035)*		
23 22 23 13-0061	EA	9 To 15 GPM Duplex Condensate Pump And 2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	3,831.37	649.92
23 22 23 13-0062	EA	22.5 GPM Duplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	4,133.96	714.32
23 22 23 13-0063	EA	30 To 45 GPM Duplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	5,206.56	775.72
23 22 23 13-0064	EA	60 To 75 GPM Duplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	9,118.89	840.11
23 23		Refrigerant Piping *(23 20)*		
23 23 13		**Refrigerant Piping Valves** *(23 23)*		
23 23 13 00-0001		Ball Valves *(23 23 13)*		
23 23 13 00-0002		Refrigeration Ball Valves, Sweat, 1400 Series *(23 23 13 00-0001)*		
23 23 13 00-0003	EA	3/8" Refrigeration Ball Valve, Sweated	29.35	8.12
23 23 13 00-0004	EA	1/2" Refrigeration Ball Valve, Sweated	30.66	8.12
23 23 13 00-0005	EA	5/8" Refrigeration Ball Valve, Sweated	37.15	8.12
23 23 13 00-0006	EA	7/8" Refrigeration Ball Valve, Sweated	49.84	8.94
23 23 13 00-0007	EA	1-1/8" Refrigeration Ball Valve, Sweated	66.82	10.16
23 23 13 00-0008	EA	1-5/8" Refrigeration Ball Valve, Sweated	105.64	12.52
23 23 13 00-0009		Shut-Off Valves *(23 23 13)*		
23 23 13 00-0010		Packless *(23 23 13 00-0009)*		
23 23 13 00-0011	EA	1/2" Refrigeration Valve, Packless	31.88	8.46
23 23 13 00-0012	EA	5/8" Refrigeration Valve, Packless	38.65	9.28
23 23 13 00-0013	EA	7/8" Refrigeration Valve, Packless	73.69	12.69
23 23 13 00-0014		Packed *(23 23 13 00-0009)*		
23 23 13 00-0015	EA	1-1/8" Refrigeration Valve, Packed	127.27	18.46
23 23 13 00-0016	EA	1 3/8" Refrigeration Valve, Packed	168.27	22.61
23 23 13 00-0017	EA	1-5/8" Refrigeration Valve, Packed	203.11	25.45
23 23 13 00-0018	EA	2-1/8" Refrigeration Valve, Packed	283.73	29.04
23 23 13 00-0019	EA	2-5/8" Refrigeration Valve, Packed	500.29	81.33
23 23 13 00-0020	EA	3-1/8" Refrigeration Valve, Packed	651.99	101.66
23 23 13 00-0021	EA	4-1/8" Refrigeration Valve, Packed	919.11	135.58
23 23 13 00-0022		Check Valves *(23 23 13)*		
23 23 13 00-0023	EA	5/8" Check Valve, Refrigeration	42.45	8.13
23 23 13 00-0024	EA	7/8" Check Valve, Refrigeration	112.84	8.94
23 23 13 00-0025	EA	1-1/8" Check Valve, Refrigeration	131.67	10.16
23 23 13 00-0026	EA	1 3/8" Check Valve, Refrigeration	175.79	10.82
23 23 13 00-0027	EA	1-5/8" Check Valve, Refrigeration	227.50	12.53
23 23 13 00-0028	EA	2-1/8" Check Valve, Refrigeration	328.96	14.81
23 23 13 00-0029	EA	2-5/8" Check Valve, Refrigeration	461.41	21.72
23 23 13 00-0030	EA	3-1/8" Check Valve, Refrigeration	602.46	28.46
23 23 13 00-0031		Solenoid Valves *(23 23 13)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 13 00-0032		Solenoid Valve, 24 Volt Coil *(23 23 13 00-0031)*		
23 23 13 00-0033	EA	1/2" Solenoid Valve, Refrigeration	92.22	8.13
23 23 13 00-0034	EA	5/8" Solenoid Valve, Refrigeration	94.14	8.13
23 23 13 00-0035	EA	3/4" Solenoid Valve, Refrigeration	117.77	8.94
23 23 13 00-0036	EA	7/8" Solenoid Valve, Refrigeration	117.77	8.94
23 23 13 00-0037	EA	1-1/8" Solenoid Valve, Refrigeration	161.72	10.16
23 23 13 00-0038	EA	1 3/8" Solenoid Valve, Refrigeration	252.71	10.82
23 23 13 00-0039	EA	1-5/8" Solenoid Valve, Refrigeration	447.56	12.53
23 23 13 00-0040	EA	2-1/8" Solenoid Valve, Refrigeration	458.94	14.81

23 23 16 Refrigerant Piping Specialties *(23 23)*

23 23 16 00-0001		Soft Refrigeration Copper Tubing *(23 23 16)* Note: Based on outside diameter. Nitrogenized.		
23 23 16 00-0002	LF	1/8" Outside Diameter Soft Refrigeration Copper Tubing	3.79	2.20
23 23 16 00-0003	LF	3/16" Outside Diameter Soft Refrigeration Copper Tubing	3.88	2.20
23 23 16 00-0004	LF	1/4" Outside Diameter Soft Refrigeration Copper Tubing	3.97	2.20
23 23 16 00-0005	LF	5/16" Outside Diameter Soft Refrigeration Copper Tubing	4.29	2.20
23 23 16 00-0006	LF	3/8" Outside Diameter Soft Refrigeration Copper Tubing	4.43	2.28
23 23 16 00-0007	LF	1/2" Outside Diameter Soft Refrigeration Copper Tubing	5.12	2.44
23 23 16 00-0008	LF	5/8" Outside Diameter Soft Refrigeration Copper Tubing	5.61	2.44
23 23 16 00-0009	LF	3/4" Outside Diameter Soft Refrigeration Copper Tubing	6.58	2.85
23 23 16 00-0010	LF	7/8" Outside Diameter Soft Refrigeration Copper Tubing	8.06	3.01
23 23 16 00-0011	LF	1-1/8" Outside Diameter Soft Refrigeration Copper Tubing	10.52	3.66
23 23 16 00-0012	LF	1-3/8" Outside Diameter Soft Refrigeration Copper Tubing	15.10	4.23
23 23 16 00-0013	LF	1-5/8" Outside Diameter Soft Refrigeration Copper Tubing	17.87	4.55
23 23 16 00-0014		Type L Drawn, ACR Copper Tubing *(23 23 16)* Note: Nitrogenized.		
23 23 16 00-0015	LF	3/8" Outside Diameter Type L Drawn, ACR Copper Tubing	4.69	2.28
		For Medical Applications "Oxygen Clean", Add	*0.41*	
23 23 16 00-0016	LF	1/2" Outside Diameter Type L Drawn, ACR Copper Tubing	5.34	2.28
		For Medical Applications "Oxygen Clean", Add	*0.44*	
23 23 16 00-0017	LF	5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	5.74	2.28
		For Medical Applications "Oxygen Clean", Add	*0.46*	
23 23 16 00-0018	LF	3/4" Outside Diameter Type L Drawn, ACR Copper Tubing	8.30	3.41
		For Medical Applications "Oxygen Clean", Add	*0.67*	
23 23 16 00-0019	LF	7/8" Outside Diameter Type L Drawn, ACR Copper Tubing	9.07	3.66
		For Medical Applications "Oxygen Clean", Add	*0.73*	
23 23 16 00-0020	LF	1-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	10.68	3.66
		For Medical Applications "Oxygen Clean", Add	*0.81*	
23 23 16 00-0021	LF	1-3/8" Outside Diameter Type L Drawn, ACR Copper Tubing	13.35	4.23
		For Medical Applications "Oxygen Clean", Add	*0.99*	
23 23 16 00-0022	LF	1-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	16.21	4.87
		For Medical Applications "Oxygen Clean", Add	*1.18*	
23 23 16 00-0023	LF	2-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	23.13	6.10
		For Medical Applications "Oxygen Clean", Add	*1.61*	
23 23 16 00-0024	LF	2-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	34.69	9.19
		For Medical Applications "Oxygen Clean", Add	*2.43*	
23 23 16 00-0025	LF	3-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	44.97	11.38
		For Medical Applications "Oxygen Clean", Add	*3.10*	
23 23 16 00-0026	LF	3-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	56.76	13.49
		For Medical Applications "Oxygen Clean", Add	*3.85*	
23 23 16 00-0027	LF	4-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	70.26	16.27
		For Medical Applications "Oxygen Clean", Add	*4.73*	
23 23 16 00-0028		Refrigeration Fittings *(23 23 16)*		
23 23 16 00-0029		Brass Flare Fittings *(23 23 16 00-0028)*		
23 23 16 00-0030		Brass Flare Unions *(23 23 16 00-0029)*		
23 23 16 00-0031	EA	3/8" Brass Flare Union	16.45	8.78
23 23 16 00-0032	EA	1/2" Brass Flare Union	16.45	8.78
23 23 16 00-0033	EA	5/8" Brass Flare Union	17.30	8.78
23 23 16 00-0034		90 Degree Elbow Brass Flare Unions *(23 23 16 00-0029)*		
23 23 16 00-0035	EA	3/8" 90 Degree Brass Flare Elbow Union	16.97	8.78
23 23 16 00-0036	EA	1/2" 90 Degree Brass Flare Elbow Union	16.97	8.78
23 23 16 00-0037	EA	5/8" 90 Degree Brass Flare Elbow Union	19.84	8.78
23 23 16 00-0038		Brass Flare Tees *(23 23 16 00-0029)*		
23 23 16 00-0039	EA	3/8" Brass Flare Tee	26.87	14.63
23 23 16 00-0040	EA	1/2" Brass Flare Tee	28.15	14.63
23 23 16 00-0041	EA	5/8" Brass Flare Tee	35.13	14.63
23 23 16 00-0042		Male Connector, Half Brass Flare Unions *(23 23 16 00-0029)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0043	EA	3/8" Brass Flare Male Connector, Half Union	14.09	8.78
23 23 16 00-0044	EA	1/2" Brass Flare Male Connector, Half Union	14.95	8.78
23 23 16 00-0045	EA	5/8" Brass Flare Male Connector, Half Union	16.17	8.78
23 23 16 00-0046		**Female Connector, Half Brass Flare Unions** *(23 23 16 00-0029)*		
23 23 16 00-0047	EA	3/8" Brass Flare Female Connector, Half Union	15.19	8.78
23 23 16 00-0048	EA	1/2" Brass Flare Female Connector, Half Union	16.36	8.78
23 23 16 00-0049	EA	5/8" Brass Flare Female Connector, Half Union	16.36	8.78
23 23 16 00-0050		**Long Forged Nuts** *(23 23 16 00-0029)*		
23 23 16 00-0051	EA	3/8" Brass Long Forged Nut	14.61	8.78
23 23 16 00-0052	EA	1/2" Brass Long Forged Nut	14.95	8.78
23 23 16 00-0053	EA	5/8" Brass Long Forged Nut	18.68	8.78
23 23 16 00-0054		**Short Forged Nuts** *(23 23 16 00-0029)*		
23 23 16 00-0055	EA	3/8" Brass Short Forged Nut	14.12	8.78
23 23 16 00-0056	EA	1/2" Brass Short Forged Nut	14.90	8.78
23 23 16 00-0057	EA	5/8" Brass Short Forged Nut	15.06	8.78
23 23 16 00-0058		**ACR Wrought Copper Fittings** *(23 23 16 00-0028)*		
		Note: Soldered.		
23 23 16 00-0059		**ACR Wrought Copper Coupling** *(23 23 16 00-0058)*		
		Note: C x C		
23 23 16 00-0060	EA	1/4" ACR Wrought Copper Coupling	13.89	8.78
23 23 16 00-0061	EA	3/8" ACR Wrought Copper Coupling	13.75	8.78
23 23 16 00-0062	EA	1/2" ACR Wrought Copper Coupling	13.96	8.78
23 23 16 00-0063	EA	5/8" ACR Wrought Copper Coupling	14.51	9.19
23 23 16 00-0064	EA	3/4" ACR Wrought Copper Coupling	20.06	12.12
23 23 16 00-0065	EA	7/8" ACR Wrought Copper Coupling	20.03	12.44
23 23 16 00-0066	EA	1-1/8" ACR Wrought Copper Coupling	25.94	15.45
23 23 16 00-0067	EA	1-3/8" ACR Wrought Copper Coupling	36.63	21.14
23 23 16 00-0068	EA	1-5/8" ACR Wrought Copper Coupling	43.73	24.81
23 23 16 00-0069	EA	2-1/8" ACR Wrought Copper Coupling	55.93	30.09
23 23 16 00-0070	EA	2-5/8" ACR Wrought Copper Coupling	92.94	45.71
23 23 16 00-0071	EA	3-1/8" ACR Wrought Copper Coupling	123.42	60.10
23 23 16 00-0072	EA	4-1/8" ACR Wrought Copper Coupling	182.76	71.41
23 23 16 00-0073		**ACR Wrought Copper Short Radius 90 Degree Elbows** *(23 23 16 00-0058)*		
		Note: C x C		
23 23 16 00-0074	EA	1/4" ACR Wrought Copper Short Radius 90 Degree Elbow	15.73	8.78
23 23 16 00-0075	EA	3/8" ACR Wrought Copper Short Radius 90 Degree Elbow	15.87	8.78
23 23 16 00-0076	EA	1/2" ACR Wrought Copper Short Radius 90 Degree Elbow	15.73	8.78
23 23 16 00-0077	EA	5/8" ACR Wrought Copper Short Radius 90 Degree Elbow	16.90	9.19
23 23 16 00-0078	EA	3/4" ACR Wrought Copper Short Radius 90 Degree Elbow	23.82	12.12
23 23 16 00-0079	EA	7/8" ACR Wrought Copper Short Radius 90 Degree Elbow	24.20	12.44
23 23 16 00-0080	EA	1-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	30.60	15.45
23 23 16 00-0081	EA	1 3/8" ACR Wrought Copper Short Radius 90 Degree Elbow	39.31	21.14
23 23 16 00-0082	EA	1-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow	49.09	24.81
23 23 16 00-0083	EA	2-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	66.67	30.09
23 23 16 00-0084	EA	2-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow	111.72	45.71
23 23 16 00-0085	EA	3-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	144.44	60.10
23 23 16 00-0086	EA	4-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	246.05	71.41
23 23 16 00-0087		**ACR Wrought Copper Long Radius 90 Degree Elbows** *(23 23 16 00-0058)*		
		Note: C x C		
23 23 16 00-0088	EA	1/4" ACR Wrought Copper Long Radius 90 Degree Elbow	18.04	8.78
23 23 16 00-0089	EA	3/8" ACR Wrought Copper Long Radius 90 Degree Elbow	16.82	8.78
23 23 16 00-0090	EA	1/2" ACR Wrought Copper Long Radius 90 Degree Elbow	17.78	8.78
23 23 16 00-0091	EA	5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	18.01	9.19
23 23 16 00-0092	EA	3/4" ACR Wrought Copper Long Radius 90 Degree Elbow	22.47	12.12
23 23 16 00-0093	EA	7/8" ACR Wrought Copper Long Radius 90 Degree Elbow	24.06	12.44
23 23 16 00-0094	EA	1-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	31.88	15.45
23 23 16 00-0095	EA	1-3/8" ACR Wrought Copper Long Radius 90 Degree Elbow	45.88	21.14
23 23 16 00-0096	EA	1-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	56.26	24.81
23 23 16 00-0097	EA	2-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	95.12	30.09
23 23 16 00-0098	EA	2-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	147.73	45.71
23 23 16 00-0099	EA	3-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	195.04	60.10
23 23 16 00-0100	EA	4-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	388.09	71.41
23 23 16 00-0101		**ACR Wrought Copper 45 Degree Elbow** *(23 23 16 00-0058)*		
		Note: C x C		
23 23 16 00-0102	EA	1/4" ACR Wrought Copper 45 Degree Elbow	19.71	8.78
23 23 16 00-0103	EA	3/8" ACR Wrought Copper 45 Degree Elbow	18.04	8.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0104	EA	1/2" ACR Wrought Copper 45 Degree Elbow	17.32	8.78
23 23 16 00-0105	EA	5/8" ACR Wrought Copper 45 Degree Elbow	15.51	9.19
23 23 16 00-0106	EA	3/4" ACR Wrought Copper 45 Degree Elbow	25.61	12.12
23 23 16 00-0107	EA	7/8" ACR Wrought Copper 45 Degree Elbow	21.59	12.44
23 23 16 00-0108	EA	1-1/8" ACR Wrought Copper 45 Degree Elbow	30.58	15.45
23 23 16 00-0109	EA	1-3/8" ACR Wrought Copper 45 Degree Elbow	41.68	21.14
23 23 16 00-0110	EA	1-5/8" ACR Wrought Copper 45 Degree Elbow	49.24	24.81
23 23 16 00-0111	EA	2-1/8" ACR Wrought Copper 45 Degree Elbow	65.11	30.09
23 23 16 00-0112	EA	2-5/8" ACR Wrought Copper 45 Degree Elbow	111.19	45.71
23 23 16 00-0113	EA	3-1/8" ACR Wrought Copper 45 Degree Elbow	149.71	60.10
23 23 16 00-0114	EA	4-1/8" ACR Wrought Copper45 Degree Elbow	233.99	71.41
23 23 16 00-0115		**ACR Wrought Copper Tee** *(23 23 16 00-0058)*		
		Note: C x C x C		
23 23 16 00-0116	EA	1/4" ACR Wrought Copper Tee	27.20	14.63
23 23 16 00-0117	EA	3/8" ACR Wrought Copper Tee	27.49	14.63
23 23 16 00-0118	EA	1/2" ACR Wrought Copper Tee	26.40	14.63
23 23 16 00-0119	EA	5/8" ACR Wrought Copper Tee	29.19	18.46
23 23 16 00-0120	EA	3/4" ACR Wrought Copper Tee	37.76	18.46
23 23 16 00-0121	EA	7/8" ACR Wrought Copper Tee	31.84	18.70
23 23 16 00-0122	EA	1-1/8" ACR Wrought Copper Tee	48.97	24.81
23 23 16 00-0123	EA	1-3/8" ACR Wrought Copper Tee	60.95	30.09
23 23 16 00-0124	EA	1-5/8" ACR Wrought Copper Tee	77.99	35.70
23 23 16 00-0125	EA	2-1/8" ACR Wrought Copper Tee	109.53	47.58
23 23 16 00-0126	EA	2-5/8" ACR Wrought Copper Tee	232.72	103.85
23 23 16 00-0127	EA	3-1/8" ACR Wrought Copper Tee	281.77	114.19
23 23 16 00-0128	EA	4-1/8" ACR Wrought Copper Tee	457.81	126.88
23 23 16 00-0129		**ACR Wrought Copper Male Adapter** *(23 23 16 00-0058)*		
		Note: C x M		
23 23 16 00-0130	EA	1/4" ACR Wrought Copper Male Adapter	21.37	8.78
23 23 16 00-0131	EA	3/8" ACR Wrought Copper Male Adapter	24.05	8.78
23 23 16 00-0132	EA	1/2" ACR Wrought Copper Male Adapter	19.60	8.78
23 23 16 00-0133		**ACR Wrought Copper Female Adapter** *(23 23 16 00-0058)*		
		Note: C x F		
23 23 16 00-0134	EA	1/4" ACR Wrought Copper Female Adapter	20.32	8.78
23 23 16 00-0135	EA	3/8" ACR Wrought Copper Female Adapter	18.79	8.78
23 23 16 00-0136	EA	1/2" ACR Wrought Copper Female Adapter	19.37	8.78
23 23 16 00-0137		**ACR Wrought Copper Cap** *(23 23 16 00-0058)*		
		Note: C		
23 23 16 00-0138	EA	1/4" ACR Wrought Copper Cap	10.03	5.85
23 23 16 00-0139	EA	3/8" ACR Wrought Copper Cap	9.54	5.85
23 23 16 00-0140	EA	1/2" ACR Wrought Copper Cap	10.02	5.85
23 23 16 00-0141		**ACR Wrought Copper P-Trap** *(23 23 16 00-0058)*		
23 23 16 00-0142	EA	5/8" ACR Wrought Copper P-Trap	55.55	7.49
23 23 16 00-0143	EA	3/4" ACR Wrought Copper P-Trap	74.00	8.23
23 23 16 00-0144	EA	7/8" ACR Wrought Copper P-Trap	66.60	8.23
23 23 16 00-0145	EA	1-1/8" ACR Wrought Copper P-Trap	88.62	8.99
23 23 16 00-0146	EA	1-3/8" ACR Wrought Copper P-Trap	152.70	8.99
23 23 16 00-0147	EA	1-5/8" ACR Wrought Copper P-Trap	211.69	9.74
23 23 16 00-0148	EA	2-1/8" ACR Wrought Copper P-Trap	370.01	10.48
23 23 16 00-0149		**Sight Glass With Moisture And Liquid Indicator, Solder Connection** *(23 23 16)*		
23 23 16 00-0150	EA	1/4" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	36.57	11.23
23 23 16 00-0151	EA	3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	44.21	13.47
23 23 16 00-0152	EA	1/2" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	53.15	16.47
23 23 16 00-0153	EA	5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	58.87	18.72
23 23 16 00-0154	EA	7/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	78.45	23.96
23 23 16 00-0155	EA	1-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	91.63	29.21
23 23 16 00-0156	EA	1-3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	136.08	34.45
23 23 16 00-0157	EA	1-5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	170.29	47.18
23 23 16 00-0158	EA	2-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	209.59	58.40
23 23 16 00-0159		**Filter Driers, Solder Connections** *(23 23 16)*		
23 23 16 00-0160		**Replaceable Core Type Filter Driers, Solder Connections** *(23 23 16 00-0159)*		
23 23 16 00-0161	EA	5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	291.05	6.74
23 23 16 00-0162	EA	7/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	299.44	8.23
23 23 16 00-0163	EA	1-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	383.93	8.23
23 23 16 00-0164	EA	1-3/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	389.26	8.99
23 23 16 00-0165	EA	1-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	439.09	9.74

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0166	EA	2-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	504.59	10.48
23 23 16 00-0167	EA	2-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	591.68	11.23
23 23 16 00-0168	EA	3-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	738.80	11.23
23 23 16 00-0169		**Sealed In-Line Filter Driers, Solder Connections** *(23 23 16 00-0159)*		
23 23 16 00-0170	EA	1/4" Outside Diameter, 1/4 To 1 Ton, Sealed In-Line Filter Drier, Solder Connections	56.76	6.74
23 23 16 00-0171	EA	3/8" Outside Diameter, 1/2 To 2 Ton, Sealed In-Line Filter Drier, Solder Connections	72.55	6.74
23 23 16 00-0172	EA	1/2" Outside Diameter, 1 To 7 Ton, Sealed In-Line Filter Drier, Solder Connections	92.18	7.49
23 23 16 00-0173	EA	1/2" Outside Diameter, 2 To 7-1/2 Ton, Sealed In-Line Filter Drier, Solder Connections	105.77	7.49
23 23 16 00-0174	EA	5/8" Outside Diameter, 2 To 10 Ton, Sealed In-Line Filter Drier, Solder Connections	116.89	7.49
23 23 16 00-0175	EA	5/8" Outside Diameter, 4 To 8 Ton, Sealed In-Line Filter Drier, Solder Connections	131.04	7.49
23 23 16 00-0176	EA	7/8" Outside Diameter, 5 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections	147.92	8.23
23 23 16 00-0177	EA	7/8" Outside Diameter, 7-1/2 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections	204.00	8.23
23 23 16 00-0178	EA	1-1/8" Outside Diameter, 15 To 25 Ton, Sealed In-Line Filter Drier, Solder Connections	224.31	8.23
23 23 16 00-0179		**Bi-Flow Filter Driers, Solder Connections** *(23 23 16 00-0159)*		
23 23 16 00-0180	EA	1/4" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	74.31	6.74
23 23 16 00-0181	EA	3/8" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	85.05	6.74
23 23 16 00-0182	EA	1/2" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	102.40	7.49
23 23 16 00-0183	EA	3/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections	90.01	6.74
23 23 16 00-0184	EA	1/2" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections	112.63	7.49
23 23 16 00-0185	EA	5/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections	132.79	7.49
23 23 16 00-0186		**Refrigerant Compressor Discharge Mufflers** *(23 23 16)*		
23 23 16 00-0187	EA	3/8" Outside Diameter, 2 Ton, Refrigerant Compressor Discharge Muffler	69.73	6.74
23 23 16 00-0188	EA	1/2" Outside Diameter, 3 Ton, Refrigerant Compressor Discharge Muffler	77.10	6.74
23 23 16 00-0189	EA	5/8" Outside Diameter, 5 Ton, Refrigerant Compressor Discharge Muffler	92.56	6.74
23 23 16 00-0190	EA	7/8" Outside Diameter, 7-1/2 To 10 Ton, Refrigerant Compressor Discharge Muffler	124.73	8.23
23 23 16 00-0191	EA	1-1/8" Outside Diameter, 10 To 15 Ton, Refrigerant Compressor Discharge Muffler	163.49	8.23
23 23 16 00-0192	EA	1-3/8" Outside Diameter, 15 To 25 Ton, Refrigerant Compressor Discharge Muffler	194.65	8.99
23 23 16 00-0193	EA	1-5/8" Outside Diameter, 25 To 50 Ton, Refrigerant Compressor Discharge Muffler	245.96	9.74
23 23 16 00-0194	EA	2-1/8" Outside Diameter, 50 To 75 Ton, Refrigerant Compressor Discharge Muffler	426.94	10.48
23 23 16 00-0195	EA	2-5/8" Outside Diameter, 75 To 100 Ton, Refrigerant Compressor Discharge Muffler	482.89	11.23
23 23 16 00-0196	EA	3-1/8" Outside Diameter, 100 To 125 Ton, Refrigerant Compressor Discharge Muffler	598.65	11.23
23 23 16 00-0197		**Expansion Valves And Vibration Absorbers** *(23 23 16)*		
23 23 16 00-0198		**Thermostatic Expansion Valves** *(23 23 16 00-0197)*		
		Note: Outside diameter pipe sizes. Sporlan TP-S.		
23 23 16 00-0199	EA	3/8" In x 5/8" Out, 1/2 To 3 Ton, Thermostatic Expansion Valve	137.42	6.74
23 23 16 00-0200	EA	1/2" In x 7/8" Out, 4 To 5 Ton, Thermostatic Expansion Valve	191.04	7.49
23 23 16 00-0201	EA	5/8" In x 7/8" Out, 6 To 8 Ton, Thermostatic Expansion Valve	315.82	7.49
23 23 16 00-0202	EA	7/8" In x 1-1/8" Out, 7 To 12 Ton, Thermostatic Expansion Valve	374.85	8.23
23 23 16 00-0203	EA	7/8" In x 1-3/8" Out, 15 To 20 Ton, Thermostatic Expansion Valve	412.29	8.23
23 23 16 00-0204		**Electric Expansion Valves** *(23 23 16 00-0197)*		
		Note: Sporlan SEI or SEH.		
23 23 16 00-0205	EA	1/2 To 11 Ton Electric Expansion Valve Note: Sporlan SEI.	268.66	9.36
23 23 16 00-0206	EA	25 Ton Electric Expansion Valve Note: Sporlan SEI.	307.25	9.74
23 23 16 00-0207	EA	50 Ton Electric Expansion Valve Note: Sporlan SEI.	346.02	10.11
23 23 16 00-0208	EA	100 Ton Electric Expansion Valve Note: Sporlan SEH.	413.87	10.11
23 23 16 00-0209	EA	175 Ton Electric Expansion Valve Note: Sporlan SEH.	463.77	10.48
23 23 16 00-0210		**Braided Stainless Steel Over Copper Vibration Absorber** *(23 23 16 00-0197)*		
23 23 16 00-0211	EA	1/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	36.64	9.74
23 23 16 00-0212	EA	3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	38.12	11.23
23 23 16 00-0213	EA	1/2" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	48.99	14.23
23 23 16 00-0214	EA	5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	53.60	17.22
23 23 16 00-0215	EA	3/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	63.55	20.96
23 23 16 00-0216	EA	7/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	73.18	23.96
23 23 16 00-0217	EA	1-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	104.37	8.99
23 23 16 00-0218	EA	1-3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	143.67	9.74
23 23 16 00-0219	EA	1-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	177.00	9.74
23 23 16 00-0220	EA	2-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	236.53	10.48
23 23 16 00-0221	EA	2-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	394.47	11.23
23 23 16 00-0222	EA	3-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	514.54	11.23
23 23 16 00-0223		**Accumulator, Refrigerant Suction Line** *(23 23 16)*		
23 23 16 00-0224	EA	3/4" Accumulator, Refrigeration Suction Line	118.95	34.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0225	EA	7/8" Accumulator, Refrigeration Suction Line	161.55	46.79
23 23 16 00-0226	EA	1-1/8" Accumulator, Refrigeration Suction Line	195.92	62.37
23 23 16 00-0227	EA	1 3/8" Accumulator, Refrigeration Suction Line	269.58	74.88
23 23 16 00-0228	EA	1-5/8" Accumulator, Refrigeration Suction Line	366.78	93.60
23 23 16 00-0229	EA	2-1/8" Accumulator, Refrigeration Suction Line	549.08	124.82

23 23 16 00-0230 Special Chemicals/Component *(23 23 16)*

23 23 16 00-0231	GAL	Special Chemical, Inhibited Propylene Glycol, 100%	21.12	
23 23 16 00-0232	GAL	Remove/Store For Reuse Inhibited Propylene Glycol	5.81	
23 23 16 00-0233	GAL	Special Chemical, Inhibited Ethylene Glycol, 100%	14.52	
23 23 16 00-0234	EA	Internal Coil/Refrigerant Piping Flush Note: Up to 10 ton AC system.	194.88	

23 23 23 Refrigerants *(23 23)*

23 23 23 00-0001 Refrigerant *(23 23 23)*

23 23 23 00-0002	LB	Refrigerant R-113	23.59	
23 23 23 00-0003	LB	Refrigerant R-123	21.99	
23 23 23 00-0004	LB	Refrigerant R-134A	8.29	
23 23 23 00-0005	LB	Refrigerant R-404A	10.71	
23 23 23 00-0006	LB	Refrigerant R-407C	10.28	
23 23 23 00-0007	LB	Refrigerant R-408A	31.64	
23 23 23 00-0008	LB	Refrigerant R-409A	34.67	
23 23 23 00-0009	LB	Refrigerant R-410A	8.52	
23 23 23 00-0010	LB	Refrigerant R-500	27.06	
23 23 23 00-0011	LB	Refrigerant R-502	31.00	
23 23 23 00-0012	LB	Refrigerant R-507	10.28	

23 25 HVAC Water Treatment *(23 20)*

23 25 13 Water Treatment For Closed-Loop Hydronic Systems *(23 25)*

23 25 13 00-0001 Polyethylene Chemical Storage Tanks *(23 25 13)*

23 25 13 00-0002	EA	15 Gallon Chemical Storage Tank, Polyethylene	179.62	62.54

23 25 13 00-0003 Gas Chlorinator *(23 25 13)*

23 25 13 00-0004	EA	Gas Chlorinator, Wall Or Cylinder Mounted (10 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit	903.36	284.54
		For Booster Pump, Add	*331.30*	
23 25 13 00-0005	EA	Gas Chlorinator, Wall Or Cylinder Mounted (25 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit	1,031.88	325.18
		For Booster Pump, Add	*378.67*	
23 25 13 00-0006	EA	Gas Chlorinator, Wall Or Cylinder Mounted (50 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit	1,477.05	246.32
		For Booster Pump, Add	*472.85*	

23 25 13 00-0007 Bypass Shot Feeders *(23 25 13)*

Note: Includes up to 4 ports (in, out, fill and drain). Excludes valves.

23 25 13 00-0008 In Line Mount, 125 PSIG *(23 25 13 00-0007)*

23 25 13 00-0009	EA	1.7 Gallon Bypass Shot Chemical Feeder In Line Mount, 125 PSIG	781.05	211.90

23 25 13 00-0010 Floor Mount, 175 PSIG *(23 25 13 00-0007)*

23 25 13 00-0011	EA	5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG	1,141.88	318.97
23 25 13 00-0012	EA	12 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG	1,503.59	422.31

23 25 13 00-0013 Floor Mount, 150 LB ASME Code *(23 25 13 00-0007)*

23 25 13 00-0014	EA	5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 LB ASME Code	1,141.88	318.97
23 25 13 00-0015	EA	10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 LB ASME Code	1,503.59	422.31

23 25 13 00-0016 Floor Mount, 300 LB ASME Code *(23 25 13 00-0007)*

23 25 13 00-0017	EA	5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 LB ASME Code	1,509.12	318.97
23 25 13 00-0018	EA	10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 LB ASME Code	1,884.90	422.31

23 30 HVAC Air Distribution *(23)*

23 31 HVAC Ducts And Casings *(23 30)*

Note: Excludes angle iron, threaded rod, anchor bolts or other external supporting devices other than normal sheet metal straps. See CSI section 05 12 23 00-0336 for angle iron, 23 05 29 00-0001 for threaded rod.

23 31 13 Metal Ducts *(23 31)*

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 31 13 13 Rectangular Metal Ducts *(23 31 13)*

23 31 13 13-0001 Steel Sheet Metal Duct *(23 31 13 13)*

Note: All field fabricated duct is assembled from flat duct sheets on site to fit to exact field conditions. Ductwork which is fabricated off site or snap-fitting duct is considered as shop fabricated.

23 31 13 13-0002 Galvanized Steel Sheet Metal Ductwork *(23 31 13 13-0001)*

Note: Ductwork poundage includes all fittings, transitions, collars, straps, support straps, etc. Pressure class 2" w.g. and less are considered low pressure/seal class C; pressure class 3" w.g. and less are considered medium pressure/seal class B; pressure class 4" w.g. and larger are considered high pressure/seal class A. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed. Field fabricated ductwork is fabricated by hand to fit unique designs and installed on site. SMACNA weight for ductwork LB/SF (surface areas) by gauge: 30 gauge - 0.656 LB/SF; 28 gauge - 0.781 LB/SF; 26 gauge - 0.906 LB/SF; 24 gauge - 1.156 LB/SF; 22 gauge - 1.406 LB/SF; 20 gauge - 1.656 LB/SF; 18 gauge - 2.156 LB/SF; 16 gauge - 2.656 LB/SF; Add 10% additional material for lappage. The gauge of sheet metal is determined by the dimensional opening. Use the following to determine the minimum gauge of low pressure rectangular sheet metal ductwork unless otherwise stated by owner or drawings. The largest dimension of duct governs the gauge: up to 12" - 26 gauge, 13" to 30" - 24 gauge, 31" to 54" - 22 gauge, 55" to 84" - 20 gauge, 85" and larger - 18 gauge. For fittings add the following equivalent lengths: 0.75' for duct end cap; 1.5' for tap-in; 2.5' for 45 degree elbows; 3' for 90 degree elbows, transition, taper, register box; 4' for 45 degree reducing elbow, offset, turning vanes installed in elbows; 5' for 90 degree reducing elbow, 135 degree angle gooseneck, boots; and 6' for transition/reducer.

23 31 13 13-0003	LB	Sheet Metal Ductwork, Low Pressure, Field Fabricated, Galvanized, Field Assemble And Install		8.61	2.29
		For Flat Oval, Add		*0.17*	
		For Up To 200, Add		*2.92*	
		For >200 To 500, Add		*1.83*	
		For >500 To 1,000, Add		*1.28*	
		For >1,000 To 2,000, Add		*0.72*	
		For >2,000 To 5,000, Add		*0.33*	
		For Work In Restricted Working Space, Add		*2.25*	
23 31 13 13-0004	LB	Sheet Metal Ductwork, Medium Pressure, Field Fabricated, Galvanized, Field Assemble And Install		9.80	2.67
		For Flat Oval, Add		*0.18*	
		For Up To 200, Add		*3.29*	
		For >200 To 500, Add		*2.06*	
		For >500 To 1,000, Add		*1.45*	
		For >1,000 To 2,000, Add		*0.82*	
		For >2,000 To 5,000, Add		*0.38*	
		For Work In Restricted Working Space, Add		*2.59*	
23 31 13 13-0005	LB	Sheet Metal Ductwork, High Pressure, Field Fabricated, Galvanized, Field Assemble And Install		11.74	3.05
		For Flat Oval, Add		*0.19*	
		For Up To 200, Add		*3.90*	
		For >200 To 500, Add		*2.43*	
		For >500 To 1,000, Add		*1.73*	
		For >1,000 To 2,000, Add		*0.98*	
		For >2,000 To 5,000, Add		*0.46*	
		For Work In Restricted Working Space, Add		*3.14*	
23 31 13 13-0006	LB	Sheet Metal Ductwork, Low Pressure, Shop Fabricated, Galvanized, Field Assemble And Install		5.55	2.29
		For Polyvinyl Chloride (PVC) Coated, Add		*0.35*	
		For Flat Oval, Add		*0.26*	
		For Up To 200, Add		*2.18*	
		For >200 To 500, Add		*1.43*	
		For >500 To 1,000, Add		*0.90*	
		For >1,000 To 2,000, Add		*0.50*	
		For >2,000 To 5,000, Add		*0.20*	
		For Work In Restricted Working Space, Add		*1.15*	
23 31 13 13-0007	LB	Sheet Metal Ductwork, Medium Pressure, Shop Fabricated, Galvanized, Field Assemble And Install		6.44	2.67
		For Polyvinyl Chloride (PVC) Coated, Add		*0.43*	
		For Flat Oval, Add		*0.32*	
		For Up To 200, Add		*2.57*	
		For >200 To 500, Add		*1.69*	
		For >500 To 1,000, Add		*1.05*	
		For >1,000 To 2,000, Add		*0.58*	
		For >2,000 To 5,000, Add		*0.24*	
		For Work In Restricted Working Space, Add		*1.29*	
23 31 13 13-0008	LB	Sheet Metal Ductwork, High Pressure, Shop Fabricated, Galvanized, Field Assemble And Install		7.82	3.05
		For Polyvinyl Chloride (PVC) Coated, Add		*0.52*	
		For Flat Oval, Add		*0.39*	
		For Up To 200, Add		*3.13*	
		For >200 To 500, Add		*2.06*	
		For >500 To 1,000, Add		*1.28*	
		For >1,000 To 2,000, Add		*0.70*	
		For >2,000 To 5,000, Add		*0.29*	
		For Work In Restricted Working Space, Add		*1.56*	

23 31 13 13-0009 Galvanized Steel Sheet Metal Ductwork By LF *(23 31 13 13-0001)*

Note: Ductwork includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed. For fittings add the following equivalent lengths: 0.75' for duct end cap; 1.5' for tap-in; 2.5' for 45 degree elbows; 3' for 90 degree elbows, transition, taper, register box; 4' for 45 degree reducing elbow, offset, turning vanes installed in elbows; 5' for 90 degree reducing elbow, 135 degree angle gooseneck, boots; and 6' for transition/reducer.

23 31 13 13-0010 30 Gauge Galvanized Steel Duct *(23 31 13 13-0009)*

23 31 13 13-0011	LF	4" x 4", 30 Gauge Galvanized Steel Duct		5.34	2.21
		For Flat Oval, Add		*0.25*	
		For Work In Restricted Working Space, Add		*1.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0012	LF	4" x 6", 30 Gauge Galvanized Steel Duct	6.67	2.75
		For Flat Oval, Add	*0.31*	
		For Work In Restricted Working Space, Add	*1.38*	
23 31 13 13-0013	LF	4" x 8", 30 Gauge Galvanized Steel Duct	8.00	3.31
		For Flat Oval, Add	*0.38*	
		For Work In Restricted Working Space, Add	*1.65*	
23 31 13 13-0014	LF	4" x 10", 30 Gauge Galvanized Steel Duct	9.34	3.86
		For Flat Oval, Add	*0.44*	
		For Work In Restricted Working Space, Add	*1.93*	
23 31 13 13-0015	LF	4" x 12", 30 Gauge Galvanized Steel Duct	10.69	4.40
		For Flat Oval, Add	*0.50*	
		For Work In Restricted Working Space, Add	*2.21*	
23 31 13 13-0016	LF	4" x 14", 30 Gauge Galvanized Steel Duct	12.00	4.96
		For Flat Oval, Add	*0.56*	
		For Work In Restricted Working Space, Add	*2.48*	
23 31 13 13-0017	LF	4" x 16", 30 Gauge Galvanized Steel Duct	13.33	5.50
		For Flat Oval, Add	*0.62*	
		For Work In Restricted Working Space, Add	*2.75*	
23 31 13 13-0018	LF	6" x 6", 30 Gauge Galvanized Steel Duct	8.00	3.31
		For Flat Oval, Add	*0.38*	
		For Work In Restricted Working Space, Add	*1.65*	
23 31 13 13-0019	LF	6" x 8", 30 Gauge Galvanized Steel Duct	9.34	3.86
		For Flat Oval, Add	*0.44*	
		For Work In Restricted Working Space, Add	*1.93*	
23 31 13 13-0020	LF	6" x 10", 30 Gauge Galvanized Steel Duct	10.69	4.40
		For Flat Oval, Add	*0.50*	
		For Work In Restricted Working Space, Add	*2.21*	
23 31 13 13-0021	LF	6" x 12", 30 Gauge Galvanized Steel Duct	12.00	4.96
		For Flat Oval, Add	*0.56*	
		For Work In Restricted Working Space, Add	*2.48*	
23 31 13 13-0022	LF	6" x 14", 30 Gauge Galvanized Steel Duct	13.33	5.50
		For Flat Oval, Add	*0.62*	
		For Work In Restricted Working Space, Add	*2.75*	
23 31 13 13-0023	LF	6" x 16", 30 Gauge Galvanized Steel Duct	14.68	6.06
		For Flat Oval, Add	*0.69*	
		For Work In Restricted Working Space, Add	*3.03*	
23 31 13 13-0024	LF	8" x 8", 30 Gauge Galvanized Steel Duct	10.69	4.40
		For Flat Oval, Add	*0.50*	
		For Work In Restricted Working Space, Add	*2.21*	
23 31 13 13-0025	LF	8" x 10", 30 Gauge Galvanized Steel Duct	12.00	4.96
		For Flat Oval, Add	*0.56*	
		For Work In Restricted Working Space, Add	*2.48*	
23 31 13 13-0026	LF	8" x 12", 30 Gauge Galvanized Steel Duct	13.33	5.50
		For Flat Oval, Add	*0.62*	
		For Work In Restricted Working Space, Add	*2.75*	
23 31 13 13-0027	LF	8" x 14", 30 Gauge Galvanized Steel Duct	14.68	6.06
		For Flat Oval, Add	*0.69*	
		For Work In Restricted Working Space, Add	*3.03*	
23 31 13 13-0028	LF	8" x 16", 30 Gauge Galvanized Steel Duct	16.00	6.61
		For Flat Oval, Add	*0.75*	
		For Work In Restricted Working Space, Add	*3.31*	
23 31 13 13-0029	LF	8" x 18", 30 Gauge Galvanized Steel Duct	17.34	7.16
		For Flat Oval, Add	*0.81*	
		For Work In Restricted Working Space, Add	*3.58*	
23 31 13 13-0030	LF	8" x 20", 30 Gauge Galvanized Steel Duct	18.67	7.71
		For Flat Oval, Add	*0.87*	
		For Work In Restricted Working Space, Add	*3.86*	
23 31 13 13-0031	LF	8" x 22", 30 Gauge Galvanized Steel Duct	20.02	8.26
		For Flat Oval, Add	*0.94*	
		For Work In Restricted Working Space, Add	*4.13*	
23 31 13 13-0032	LF	8" x 24", 30 Gauge Galvanized Steel Duct	21.33	8.81
		For Flat Oval, Add	*1.00*	
		For Work In Restricted Working Space, Add	*4.40*	
23 31 13 13-0033	LF	10" x 10", 30 Gauge Galvanized Steel Duct	13.33	5.50
		For Flat Oval, Add	*0.62*	
		For Work In Restricted Working Space, Add	*2.75*	
23 31 13 13-0034	LF	10" x 12", 30 Gauge Galvanized Steel Duct	14.68	6.06
		For Flat Oval, Add	*0.69*	
		For Work In Restricted Working Space, Add	*3.03*	
23 31 13 13-0035	LF	10" x 14", 30 Gauge Galvanized Steel Duct	16.00	6.61
		For Flat Oval, Add	*0.75*	
		For Work In Restricted Working Space, Add	*3.31*	
23 31 13 13-0036	LF	10" x 16", 30 Gauge Galvanized Steel Duct	17.34	7.16
		For Flat Oval, Add	*0.81*	
		For Work In Restricted Working Space, Add	*3.58*	
23 31 13 13-0037	LF	10" x 18", 30 Gauge Galvanized Steel Duct	18.67	7.71
		For Flat Oval, Add	*0.87*	
		For Work In Restricted Working Space, Add	*3.86*	
23 31 13 13-0038	LF	10" x 20", 30 Gauge Galvanized Steel Duct	20.02	8.26
		For Flat Oval, Add	*0.94*	
		For Work In Restricted Working Space, Add	*4.13*	
23 31 13 13-0039	LF	10" x 22", 30 Gauge Galvanized Steel Duct	21.33	8.81
		For Flat Oval, Add	*1.00*	
		For Work In Restricted Working Space, Add	*4.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0040	LF	10" x 24", 30 Gauge Galvanized Steel Duct	22.68	9.36
		For Flat Oval, Add	*1.06*	
		For Work In Restricted Working Space, Add	*4.68*	
23 31 13 13-0041	LF	12" x 12", 30 Gauge Galvanized Steel Duct	16.00	6.61
		For Flat Oval, Add	*0.75*	
		For Work In Restricted Working Space, Add	*3.31*	
23 31 13 13-0042	LF	12" x 14", 30 Gauge Galvanized Steel Duct	17.34	7.16
		For Flat Oval, Add	*0.81*	
		For Work In Restricted Working Space, Add	*3.58*	
23 31 13 13-0043	LF	12" x 16", 30 Gauge Galvanized Steel Duct	18.67	7.71
		For Flat Oval, Add	*0.87*	
		For Work In Restricted Working Space, Add	*3.86*	
23 31 13 13-0044	LF	12" x 18", 30 Gauge Galvanized Steel Duct	20.02	8.26
		For Flat Oval, Add	*0.94*	
		For Work In Restricted Working Space, Add	*4.13*	
23 31 13 13-0045	LF	12" x 20", 30 Gauge Galvanized Steel Duct	21.33	8.81
		For Flat Oval, Add	*1.00*	
		For Work In Restricted Working Space, Add	*4.40*	
23 31 13 13-0046	LF	12" x 22", 30 Gauge Galvanized Steel Duct	22.68	9.36
		For Flat Oval, Add	*1.06*	
		For Work In Restricted Working Space, Add	*4.68*	
23 31 13 13-0047	LF	12" x 24", 30 Gauge Galvanized Steel Duct	24.01	9.92
		For Flat Oval, Add	*1.12*	
		For Work In Restricted Working Space, Add	*4.96*	
23 31 13 13-0048	LF	14" x 14", 30 Gauge Galvanized Steel Duct	18.67	7.71
		For Flat Oval, Add	*0.87*	
		For Work In Restricted Working Space, Add	*3.86*	
23 31 13 13-0049	LF	14" x 16", 30 Gauge Galvanized Steel Duct	20.02	8.26
		For Flat Oval, Add	*0.94*	
		For Work In Restricted Working Space, Add	*4.13*	
23 31 13 13-0050	LF	14" x 18", 30 Gauge Galvanized Steel Duct	21.33	8.81
		For Flat Oval, Add	*1.00*	
		For Work In Restricted Working Space, Add	*4.40*	
23 31 13 13-0051	LF	14" x 20", 30 Gauge Galvanized Steel Duct	22.68	9.36
		For Flat Oval, Add	*1.06*	
		For Work In Restricted Working Space, Add	*4.68*	
23 31 13 13-0052	LF	14" x 22", 30 Gauge Galvanized Steel Duct	24.01	9.92
		For Flat Oval, Add	*1.12*	
		For Work In Restricted Working Space, Add	*4.96*	
23 31 13 13-0053	LF	14" x 24", 30 Gauge Galvanized Steel Duct	25.36	10.46
		For Flat Oval, Add	*1.19*	
		For Work In Restricted Working Space, Add	*5.24*	
23 31 13 13-0054	LF	16" x 16", 30 Gauge Galvanized Steel Duct	21.33	8.81
		For Flat Oval, Add	*1.00*	
		For Work In Restricted Working Space, Add	*4.40*	
23 31 13 13-0055	LF	16" x 18", 30 Gauge Galvanized Steel Duct	22.68	9.36
		For Flat Oval, Add	*1.06*	
		For Work In Restricted Working Space, Add	*4.68*	
23 31 13 13-0056	LF	16" x 20", 30 Gauge Galvanized Steel Duct	24.01	9.92
		For Flat Oval, Add	*1.12*	
		For Work In Restricted Working Space, Add	*4.96*	
23 31 13 13-0057	LF	16" x 22", 30 Gauge Galvanized Steel Duct	25.36	10.46
		For Flat Oval, Add	*1.19*	
		For Work In Restricted Working Space, Add	*5.24*	
23 31 13 13-0058	LF	16" x 24", 30 Gauge Galvanized Steel Duct	26.68	11.02
		For Flat Oval, Add	*1.25*	
		For Work In Restricted Working Space, Add	*5.51*	
23 31 13 13-0059	LF	18" x 18", 30 Gauge Galvanized Steel Duct	24.01	9.92
		For Flat Oval, Add	*1.12*	
		For Work In Restricted Working Space, Add	*4.96*	
23 31 13 13-0060	LF	18" x 20", 30 Gauge Galvanized Steel Duct	25.36	10.46
		For Flat Oval, Add	*1.19*	
		For Work In Restricted Working Space, Add	*5.24*	
23 31 13 13-0061	LF	18" x 22", 30 Gauge Galvanized Steel Duct	26.68	11.02
		For Flat Oval, Add	*1.25*	
		For Work In Restricted Working Space, Add	*5.51*	
23 31 13 13-0062	LF	18" x 24", 30 Gauge Galvanized Steel Duct	28.01	11.57
		For Flat Oval, Add	*1.31*	
		For Work In Restricted Working Space, Add	*5.78*	
23 31 13 13-0063	LF	20" x 20", 30 Gauge Galvanized Steel Duct	26.68	11.02
		For Flat Oval, Add	*1.25*	
		For Work In Restricted Working Space, Add	*5.51*	
23 31 13 13-0064	LF	20" x 22", 30 Gauge Galvanized Steel Duct	28.01	11.57
		For Flat Oval, Add	*1.31*	
		For Work In Restricted Working Space, Add	*5.78*	
23 31 13 13-0065	LF	20" x 24", 30 Gauge Galvanized Steel Duct	29.35	12.11
		For Flat Oval, Add	*1.37*	
		For Work In Restricted Working Space, Add	*6.06*	
23 31 13 13-0066	LF	22" x 22", 30 Gauge Galvanized Steel Duct	29.35	12.11
		For Flat Oval, Add	*1.37*	
		For Work In Restricted Working Space, Add	*6.06*	
23 31 13 13-0067	LF	22" x 24", 30 Gauge Galvanized Steel Duct	30.67	12.67
		For Flat Oval, Add	*1.43*	
		For Work In Restricted Working Space, Add	*6.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0068	LF	24" x 24", 30 Gauge Galvanized Steel Duct	32.02	13.22
		For Flat Oval, Add	*1.50*	
		For Work In Restricted Working Space, Add	*6.61*	
23 31 13 13-0069		**28 Gauge Galvanized Steel Duct** *(23 31 13 13-0009)*		
23 31 13 13-0070	LF	4" x 4", 28 Gauge Galvanized Steel Duct	6.34	2.62
		For Flat Oval, Add	*0.30*	
		For Work In Restricted Working Space, Add	*1.31*	
23 31 13 13-0071	LF	4" x 6", 28 Gauge Galvanized Steel Duct	7.94	3.28
		For Flat Oval, Add	*0.37*	
		For Work In Restricted Working Space, Add	*1.64*	
23 31 13 13-0072	LF	4" x 8", 28 Gauge Galvanized Steel Duct	9.53	3.93
		For Flat Oval, Add	*0.45*	
		For Work In Restricted Working Space, Add	*1.97*	
23 31 13 13-0073	LF	4" x 10", 28 Gauge Galvanized Steel Duct	11.11	4.59
		For Flat Oval, Add	*0.52*	
		For Work In Restricted Working Space, Add	*2.30*	
23 31 13 13-0074	LF	4" x 12", 28 Gauge Galvanized Steel Duct	12.71	5.24
		For Flat Oval, Add	*0.60*	
		For Work In Restricted Working Space, Add	*2.62*	
23 31 13 13-0075	LF	4" x 14", 28 Gauge Galvanized Steel Duct	14.30	5.91
		For Flat Oval, Add	*0.67*	
		For Work In Restricted Working Space, Add	*2.95*	
23 31 13 13-0076	LF	4" x 16", 28 Gauge Galvanized Steel Duct	15.86	6.56
		For Flat Oval, Add	*0.74*	
		For Work In Restricted Working Space, Add	*3.28*	
23 31 13 13-0077	LF	6" x 6", 28 Gauge Galvanized Steel Duct	9.53	3.93
		For Flat Oval, Add	*0.45*	
		For Work In Restricted Working Space, Add	*1.97*	
23 31 13 13-0078	LF	6" x 8", 28 Gauge Galvanized Steel Duct	11.11	4.59
		For Flat Oval, Add	*0.52*	
		For Work In Restricted Working Space, Add	*2.30*	
23 31 13 13-0079	LF	6" x 10", 28 Gauge Galvanized Steel Duct	12.71	5.24
		For Flat Oval, Add	*0.60*	
		For Work In Restricted Working Space, Add	*2.62*	
23 31 13 13-0080	LF	6" x 12", 28 Gauge Galvanized Steel Duct	14.30	5.91
		For Flat Oval, Add	*0.67*	
		For Work In Restricted Working Space, Add	*2.95*	
23 31 13 13-0081	LF	6" x 14", 28 Gauge Galvanized Steel Duct	15.86	6.56
		For Flat Oval, Add	*0.74*	
		For Work In Restricted Working Space, Add	*3.28*	
23 31 13 13-0082	LF	6" x 16", 28 Gauge Galvanized Steel Duct	17.47	7.22
		For Flat Oval, Add	*0.82*	
		For Work In Restricted Working Space, Add	*3.61*	
23 31 13 13-0083	LF	8" x 8", 28 Gauge Galvanized Steel Duct	12.71	5.24
		For Flat Oval, Add	*0.60*	
		For Work In Restricted Working Space, Add	*2.62*	
23 31 13 13-0084	LF	8" x 10", 28 Gauge Galvanized Steel Duct	14.30	5.91
		For Flat Oval, Add	*0.67*	
		For Work In Restricted Working Space, Add	*2.95*	
23 31 13 13-0085	LF	8" x 12", 28 Gauge Galvanized Steel Duct	15.86	6.56
		For Flat Oval, Add	*0.74*	
		For Work In Restricted Working Space, Add	*3.28*	
23 31 13 13-0086	LF	8" x 14", 28 Gauge Galvanized Steel Duct	17.47	7.22
		For Flat Oval, Add	*0.82*	
		For Work In Restricted Working Space, Add	*3.61*	
23 31 13 13-0087	LF	8" x 16", 28 Gauge Galvanized Steel Duct	19.05	7.87
		For Flat Oval, Add	*0.89*	
		For Work In Restricted Working Space, Add	*3.93*	
23 31 13 13-0088	LF	8" x 18", 28 Gauge Galvanized Steel Duct	20.64	8.53
		For Flat Oval, Add	*0.96*	
		For Work In Restricted Working Space, Add	*4.26*	
23 31 13 13-0089	LF	8" x 20", 28 Gauge Galvanized Steel Duct	22.24	9.18
		For Flat Oval, Add	*1.04*	
		For Work In Restricted Working Space, Add	*4.59*	
23 31 13 13-0090	LF	8" x 22", 28 Gauge Galvanized Steel Duct	23.83	9.84
		For Flat Oval, Add	*1.11*	
		For Work In Restricted Working Space, Add	*4.92*	
23 31 13 13-0091	LF	8" x 24", 28 Gauge Galvanized Steel Duct	25.42	10.49
		For Flat Oval, Add	*1.19*	
		For Work In Restricted Working Space, Add	*5.25*	
23 31 13 13-0092	LF	10" x 10", 28 Gauge Galvanized Steel Duct	15.86	6.56
		For Flat Oval, Add	*0.74*	
		For Work In Restricted Working Space, Add	*3.28*	
23 31 13 13-0093	LF	10" x 12", 28 Gauge Galvanized Steel Duct	17.47	7.22
		For Flat Oval, Add	*0.82*	
		For Work In Restricted Working Space, Add	*3.61*	
23 31 13 13-0094	LF	10" x 14", 28 Gauge Galvanized Steel Duct	19.05	7.87
		For Flat Oval, Add	*0.89*	
		For Work In Restricted Working Space, Add	*3.93*	
23 31 13 13-0095	LF	10" x 16", 28 Gauge Galvanized Steel Duct	20.64	8.53
		For Flat Oval, Add	*0.96*	
		For Work In Restricted Working Space, Add	*4.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0096	LF	10" x 18", 28 Gauge Galvanized Steel Duct	22.24	9.18
		For Flat Oval, Add	*1.04*	
		For Work In Restricted Working Space, Add	*4.59*	
23 31 13 13-0097	LF	10" x 20", 28 Gauge Galvanized Steel Duct	23.83	9.84
		For Flat Oval, Add	*1.11*	
		For Work In Restricted Working Space, Add	*4.92*	
23 31 13 13-0098	LF	10" x 22", 28 Gauge Galvanized Steel Duct	25.42	10.49
		For Flat Oval, Add	*1.19*	
		For Work In Restricted Working Space, Add	*5.25*	
23 31 13 13-0099	LF	10" x 24", 28 Gauge Galvanized Steel Duct	26.99	11.15
		For Flat Oval, Add	*1.26*	
		For Work In Restricted Working Space, Add	*5.57*	
23 31 13 13-0100	LF	12" x 12", 28 Gauge Galvanized Steel Duct	19.05	7.87
		For Flat Oval, Add	*0.89*	
		For Work In Restricted Working Space, Add	*3.93*	
23 31 13 13-0101	LF	12" x 14", 28 Gauge Galvanized Steel Duct	20.64	8.53
		For Flat Oval, Add	*0.96*	
		For Work In Restricted Working Space, Add	*4.26*	
23 31 13 13-0102	LF	12" x 16", 28 Gauge Galvanized Steel Duct	22.24	9.18
		For Flat Oval, Add	*1.04*	
		For Work In Restricted Working Space, Add	*4.59*	
23 31 13 13-0103	LF	12" x 18", 28 Gauge Galvanized Steel Duct	23.83	9.84
		For Flat Oval, Add	*1.11*	
		For Work In Restricted Working Space, Add	*4.92*	
23 31 13 13-0104	LF	12" x 20", 28 Gauge Galvanized Steel Duct	25.42	10.49
		For Flat Oval, Add	*1.19*	
		For Work In Restricted Working Space, Add	*5.25*	
23 31 13 13-0105	LF	12" x 22", 28 Gauge Galvanized Steel Duct	26.99	11.15
		For Flat Oval, Add	*1.26*	
		For Work In Restricted Working Space, Add	*5.57*	
23 31 13 13-0106	LF	12" x 24", 28 Gauge Galvanized Steel Duct	28.58	11.80
		For Flat Oval, Add	*1.34*	
		For Work In Restricted Working Space, Add	*5.90*	
23 31 13 13-0107	LF	14" x 14", 28 Gauge Galvanized Steel Duct	22.24	9.18
		For Flat Oval, Add	*1.04*	
		For Work In Restricted Working Space, Add	*4.59*	
23 31 13 13-0108	LF	14" x 16", 28 Gauge Galvanized Steel Duct	23.83	9.84
		For Flat Oval, Add	*1.11*	
		For Work In Restricted Working Space, Add	*4.92*	
23 31 13 13-0109	LF	14" x 18", 28 Gauge Galvanized Steel Duct	25.42	10.49
		For Flat Oval, Add	*1.19*	
		For Work In Restricted Working Space, Add	*5.25*	
23 31 13 13-0110	LF	14" x 20", 28 Gauge Galvanized Steel Duct	26.99	11.15
		For Flat Oval, Add	*1.26*	
		For Work In Restricted Working Space, Add	*5.57*	
23 31 13 13-0111	LF	14" x 22", 28 Gauge Galvanized Steel Duct	28.58	11.80
		For Flat Oval, Add	*1.34*	
		For Work In Restricted Working Space, Add	*5.90*	
23 31 13 13-0112	LF	14" x 24", 28 Gauge Galvanized Steel Duct	30.18	12.46
		For Flat Oval, Add	*1.41*	
		For Work In Restricted Working Space, Add	*6.23*	
23 31 13 13-0113	LF	16" x 16", 28 Gauge Galvanized Steel Duct	25.42	10.49
		For Flat Oval, Add	*1.19*	
		For Work In Restricted Working Space, Add	*5.25*	
23 31 13 13-0114	LF	16" x 18", 28 Gauge Galvanized Steel Duct	26.99	11.15
		For Flat Oval, Add	*1.26*	
		For Work In Restricted Working Space, Add	*5.57*	
23 31 13 13-0115	LF	16" x 20", 28 Gauge Galvanized Steel Duct	28.58	11.80
		For Flat Oval, Add	*1.34*	
		For Work In Restricted Working Space, Add	*5.90*	
23 31 13 13-0116	LF	16" x 22", 28 Gauge Galvanized Steel Duct	30.18	12.46
		For Flat Oval, Add	*1.41*	
		For Work In Restricted Working Space, Add	*6.23*	
23 31 13 13-0117	LF	16" x 24", 28 Gauge Galvanized Steel Duct	31.77	13.11
		For Flat Oval, Add	*1.49*	
		For Work In Restricted Working Space, Add	*6.56*	
23 31 13 13-0118	LF	18" x 18", 28 Gauge Galvanized Steel Duct	28.58	11.80
		For Flat Oval, Add	*1.34*	
		For Work In Restricted Working Space, Add	*5.90*	
23 31 13 13-0119	LF	18" x 20", 28 Gauge Galvanized Steel Duct	30.18	12.46
		For Flat Oval, Add	*1.41*	
		For Work In Restricted Working Space, Add	*6.23*	
23 31 13 13-0120	LF	18" x 22", 28 Gauge Galvanized Steel Duct	31.77	13.11
		For Flat Oval, Add	*1.49*	
		For Work In Restricted Working Space, Add	*6.56*	
23 31 13 13-0121	LF	18" x 24", 28 Gauge Galvanized Steel Duct	33.35	13.77
		For Flat Oval, Add	*1.56*	
		For Work In Restricted Working Space, Add	*6.89*	
23 31 13 13-0122	LF	20" x 20", 28 Gauge Galvanized Steel Duct	31.77	13.11
		For Flat Oval, Add	*1.49*	
		For Work In Restricted Working Space, Add	*6.56*	
23 31 13 13-0123	LF	20" x 22", 28 Gauge Galvanized Steel Duct	33.35	13.77
		For Flat Oval, Add	*1.56*	
		For Work In Restricted Working Space, Add	*6.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0124	LF	20" x 24", 28 Gauge Galvanized Steel Duct	34.95	14.42
		For Flat Oval, Add	*1.64*	
		For Work In Restricted Working Space, Add	*7.22*	
23 31 13 13-0125	LF	22" x 22", 28 Gauge Galvanized Steel Duct	34.95	14.42
		For Flat Oval, Add	*1.64*	
		For Work In Restricted Working Space, Add	*7.22*	
23 31 13 13-0126	LF	22" x 24", 28 Gauge Galvanized Steel Duct	36.53	15.08
		For Flat Oval, Add	*1.71*	
		For Work In Restricted Working Space, Add	*7.54*	
23 31 13 13-0127	LF	24" x 24", 28 Gauge Galvanized Steel Duct	38.10	15.73
		For Flat Oval, Add	*1.78*	
		For Work In Restricted Working Space, Add	*7.87*	

23 31 13 13-0128 26 Gauge Galvanized Steel Duct *(23 31 13 13-0009)*

23 31 13 13-0129	LF	4" x 4", 26 Gauge Galvanized Steel Duct	7.37	3.04
		For Flat Oval, Add	*0.35*	
		For Work In Restricted Working Space, Add	*1.52*	
23 31 13 13-0130	LF	4" x 6", 26 Gauge Galvanized Steel Duct	9.21	3.80
		For Flat Oval, Add	*0.43*	
		For Work In Restricted Working Space, Add	*1.90*	
23 31 13 13-0131	LF	4" x 8", 26 Gauge Galvanized Steel Duct	11.06	4.57
		For Flat Oval, Add	*0.52*	
		For Work In Restricted Working Space, Add	*2.28*	
23 31 13 13-0132	LF	4" x 10", 26 Gauge Galvanized Steel Duct	12.90	5.33
		For Flat Oval, Add	*0.60*	
		For Work In Restricted Working Space, Add	*2.66*	
23 31 13 13-0133	LF	4" x 12", 26 Gauge Galvanized Steel Duct	14.74	6.09
		For Flat Oval, Add	*0.69*	
		For Work In Restricted Working Space, Add	*3.04*	
23 31 13 13-0134	LF	4" x 14", 26 Gauge Galvanized Steel Duct	16.58	6.84
		For Flat Oval, Add	*0.78*	
		For Work In Restricted Working Space, Add	*3.42*	
23 31 13 13-0135	LF	4" x 16", 26 Gauge Galvanized Steel Duct	18.42	7.61
		For Flat Oval, Add	*0.86*	
		For Work In Restricted Working Space, Add	*3.80*	
23 31 13 13-0136	LF	6" x 6", 26 Gauge Galvanized Steel Duct	11.06	4.57
		For Flat Oval, Add	*0.52*	
		For Work In Restricted Working Space, Add	*2.28*	
23 31 13 13-0137	LF	6" x 8", 26 Gauge Galvanized Steel Duct	12.90	5.33
		For Flat Oval, Add	*0.60*	
		For Work In Restricted Working Space, Add	*2.66*	
23 31 13 13-0138	LF	6" x 10", 26 Gauge Galvanized Steel Duct	14.74	6.09
		For Flat Oval, Add	*0.69*	
		For Work In Restricted Working Space, Add	*3.04*	
23 31 13 13-0139	LF	6" x 12", 26 Gauge Galvanized Steel Duct	16.58	6.84
		For Flat Oval, Add	*0.78*	
		For Work In Restricted Working Space, Add	*3.42*	
23 31 13 13-0140	LF	6" x 14", 26 Gauge Galvanized Steel Duct	18.42	7.61
		For Flat Oval, Add	*0.86*	
		For Work In Restricted Working Space, Add	*3.80*	
23 31 13 13-0141	LF	6" x 16", 26 Gauge Galvanized Steel Duct	20.28	8.36
		For Flat Oval, Add	*0.95*	
		For Work In Restricted Working Space, Add	*4.19*	
23 31 13 13-0142	LF	8" x 8", 26 Gauge Galvanized Steel Duct	14.74	6.09
		For Flat Oval, Add	*0.69*	
		For Work In Restricted Working Space, Add	*3.04*	
23 31 13 13-0143	LF	8" x 10", 26 Gauge Galvanized Steel Duct	16.58	6.84
		For Flat Oval, Add	*0.78*	
		For Work In Restricted Working Space, Add	*3.42*	
23 31 13 13-0144	LF	8" x 12", 26 Gauge Galvanized Steel Duct	18.42	7.61
		For Flat Oval, Add	*0.86*	
		For Work In Restricted Working Space, Add	*3.80*	
23 31 13 13-0145	LF	8" x 14", 26 Gauge Galvanized Steel Duct	20.28	8.36
		For Flat Oval, Add	*0.95*	
		For Work In Restricted Working Space, Add	*4.19*	
23 31 13 13-0146	LF	8" x 16", 26 Gauge Galvanized Steel Duct	22.11	9.13
		For Flat Oval, Add	*1.04*	
		For Work In Restricted Working Space, Add	*4.56*	
23 31 13 13-0147	LF	8" x 18", 26 Gauge Galvanized Steel Duct	23.95	9.89
		For Flat Oval, Add	*1.12*	
		For Work In Restricted Working Space, Add	*4.94*	
23 31 13 13-0148	LF	8" x 20", 26 Gauge Galvanized Steel Duct	25.79	10.65
		For Flat Oval, Add	*1.21*	
		For Work In Restricted Working Space, Add	*5.33*	
23 31 13 13-0149	LF	8" x 22", 26 Gauge Galvanized Steel Duct	27.65	11.41
		For Flat Oval, Add	*1.29*	
		For Work In Restricted Working Space, Add	*5.71*	
23 31 13 13-0150	LF	8" x 24", 26 Gauge Galvanized Steel Duct	29.49	12.17
		For Flat Oval, Add	*1.38*	
		For Work In Restricted Working Space, Add	*6.09*	
23 31 13 13-0151	LF	10" x 10", 26 Gauge Galvanized Steel Duct	18.42	7.61
		For Flat Oval, Add	*0.86*	
		For Work In Restricted Working Space, Add	*3.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0152	LF	10" x 12", 26 Gauge Galvanized Steel Duct	20.27	8.36
		For Flat Oval, Add	*0.95*	
		For Work In Restricted Working Space, Add	*4.19*	
23 31 13 13-0153	LF	10" x 14", 26 Gauge Galvanized Steel Duct	22.11	9.13
		For Flat Oval, Add	*1.04*	
		For Work In Restricted Working Space, Add	*4.56*	
23 31 13 13-0154	LF	10" x 16", 26 Gauge Galvanized Steel Duct	23.95	9.89
		For Flat Oval, Add	*1.12*	
		For Work In Restricted Working Space, Add	*4.94*	
23 31 13 13-0155	LF	10" x 18", 26 Gauge Galvanized Steel Duct	25.79	10.65
		For Flat Oval, Add	*1.21*	
		For Work In Restricted Working Space, Add	*5.33*	
23 31 13 13-0156	LF	10" x 20", 26 Gauge Galvanized Steel Duct	27.65	11.41
		For Flat Oval, Add	*1.29*	
		For Work In Restricted Working Space, Add	*5.71*	
23 31 13 13-0157	LF	10" x 22", 26 Gauge Galvanized Steel Duct	29.49	12.17
		For Flat Oval, Add	*1.38*	
		For Work In Restricted Working Space, Add	*6.09*	
23 31 13 13-0158	LF	10" x 24", 26 Gauge Galvanized Steel Duct	31.31	12.93
		For Flat Oval, Add	*1.46*	
		For Work In Restricted Working Space, Add	*6.47*	
23 31 13 13-0159	LF	12" x 12", 26 Gauge Galvanized Steel Duct	22.10	9.13
		For Flat Oval, Add	*1.03*	
		For Work In Restricted Working Space, Add	*4.56*	
23 31 13 13-0160	LF	12" x 14", 26 Gauge Galvanized Steel Duct	23.95	9.89
		For Flat Oval, Add	*1.12*	
		For Work In Restricted Working Space, Add	*4.94*	
23 31 13 13-0161	LF	12" x 16", 26 Gauge Galvanized Steel Duct	25.79	10.65
		For Flat Oval, Add	*1.21*	
		For Work In Restricted Working Space, Add	*5.33*	
23 31 13 13-0162	LF	12" x 18", 26 Gauge Galvanized Steel Duct	27.65	11.41
		For Flat Oval, Add	*1.29*	
		For Work In Restricted Working Space, Add	*5.71*	
23 31 13 13-0163	LF	12" x 20", 26 Gauge Galvanized Steel Duct	29.49	12.17
		For Flat Oval, Add	*1.38*	
		For Work In Restricted Working Space, Add	*6.09*	
23 31 13 13-0164	LF	12" x 22", 26 Gauge Galvanized Steel Duct	31.31	12.93
		For Flat Oval, Add	*1.46*	
		For Work In Restricted Working Space, Add	*6.47*	
23 31 13 13-0165	LF	12" x 24", 26 Gauge Galvanized Steel Duct	33.15	13.70
		For Flat Oval, Add	*1.55*	
		For Work In Restricted Working Space, Add	*6.85*	
23 31 13 13-0166	LF	14" x 14", 26 Gauge Galvanized Steel Duct	25.79	10.65
		For Flat Oval, Add	*1.21*	
		For Work In Restricted Working Space, Add	*5.33*	
23 31 13 13-0167	LF	14" x 16", 26 Gauge Galvanized Steel Duct	27.65	11.41
		For Flat Oval, Add	*1.29*	
		For Work In Restricted Working Space, Add	*5.71*	
23 31 13 13-0168	LF	14" x 18", 26 Gauge Galvanized Steel Duct	29.49	12.17
		For Flat Oval, Add	*1.38*	
		For Work In Restricted Working Space, Add	*6.09*	
23 31 13 13-0169	LF	14" x 20", 26 Gauge Galvanized Steel Duct	31.31	12.93
		For Flat Oval, Add	*1.46*	
		For Work In Restricted Working Space, Add	*6.47*	
23 31 13 13-0170	LF	14" x 22", 26 Gauge Galvanized Steel Duct	33.15	13.70
		For Flat Oval, Add	*1.55*	
		For Work In Restricted Working Space, Add	*6.85*	
23 31 13 13-0171	LF	14" x 24", 26 Gauge Galvanized Steel Duct	35.01	14.45
		For Flat Oval, Add	*1.64*	
		For Work In Restricted Working Space, Add	*7.23*	
23 31 13 13-0172	LF	16" x 16", 26 Gauge Galvanized Steel Duct	29.49	12.17
		For Flat Oval, Add	*1.38*	
		For Work In Restricted Working Space, Add	*6.09*	
23 31 13 13-0173	LF	16" x 18", 26 Gauge Galvanized Steel Duct	31.31	12.93
		For Flat Oval, Add	*1.46*	
		For Work In Restricted Working Space, Add	*6.47*	
23 31 13 13-0174	LF	16" x 20", 26 Gauge Galvanized Steel Duct	33.15	13.70
		For Flat Oval, Add	*1.55*	
		For Work In Restricted Working Space, Add	*6.85*	
23 31 13 13-0175	LF	16" x 22", 26 Gauge Galvanized Steel Duct	35.01	14.45
		For Flat Oval, Add	*1.64*	
		For Work In Restricted Working Space, Add	*7.23*	
23 31 13 13-0176	LF	16" x 24", 26 Gauge Galvanized Steel Duct	36.85	15.21
		For Flat Oval, Add	*1.72*	
		For Work In Restricted Working Space, Add	*7.61*	
23 31 13 13-0177	LF	18" x 18", 26 Gauge Galvanized Steel Duct	33.15	13.70
		For Flat Oval, Add	*1.55*	
		For Work In Restricted Working Space, Add	*6.85*	
23 31 13 13-0178	LF	18" x 20", 26 Gauge Galvanized Steel Duct	35.01	14.45
		For Flat Oval, Add	*1.64*	
		For Work In Restricted Working Space, Add	*7.23*	
23 31 13 13-0179	LF	18" x 22", 26 Gauge Galvanized Steel Duct	36.85	15.21
		For Flat Oval, Add	*1.72*	
		For Work In Restricted Working Space, Add	*7.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0180	LF	18" x 24", 26 Gauge Galvanized Steel Duct	38.69	15.97
		For Flat Oval, Add	*1.81*	
		For Work In Restricted Working Space, Add	*7.99*	
23 31 13 13-0181	LF	20" x 20", 26 Gauge Galvanized Steel Duct	36.85	15.21
		For Flat Oval, Add	*1.72*	
		For Work In Restricted Working Space, Add	*7.61*	
23 31 13 13-0182	LF	20" x 22", 26 Gauge Galvanized Steel Duct	38.69	15.97
		For Flat Oval, Add	*1.81*	
		For Work In Restricted Working Space, Add	*7.99*	
23 31 13 13-0183	LF	20" x 24", 26 Gauge Galvanized Steel Duct	40.52	16.73
		For Flat Oval, Add	*1.89*	
		For Work In Restricted Working Space, Add	*8.37*	
23 31 13 13-0184	LF	22" x 22", 26 Gauge Galvanized Steel Duct	40.52	16.73
		For Flat Oval, Add	*1.89*	
		For Work In Restricted Working Space, Add	*8.37*	
23 31 13 13-0185	LF	22" x 24", 26 Gauge Galvanized Steel Duct	42.38	17.50
		For Flat Oval, Add	*1.98*	
		For Work In Restricted Working Space, Add	*8.75*	
23 31 13 13-0186	LF	24" x 24", 26 Gauge Galvanized Steel Duct	44.22	18.25
		For Flat Oval, Add	*2.07*	
		For Work In Restricted Working Space, Add	*9.13*	

23 31 13 13-0187 24 Gauge Galvanized Steel Duct *(23 31 13 13-0009)*

23 31 13 13-0188	LF	4" x 4", 24 Gauge Galvanized Steel Duct	9.40	3.88
		For Flat Oval, Add	*0.44*	
		For Work In Restricted Working Space, Add	*1.94*	
23 31 13 13-0189	LF	4" x 6", 24 Gauge Galvanized Steel Duct	11.75	4.86
		For Flat Oval, Add	*0.55*	
		For Work In Restricted Working Space, Add	*2.43*	
23 31 13 13-0190	LF	4" x 8", 24 Gauge Galvanized Steel Duct	14.11	5.83
		For Flat Oval, Add	*0.66*	
		For Work In Restricted Working Space, Add	*2.91*	
23 31 13 13-0191	LF	4" x 10", 24 Gauge Galvanized Steel Duct	16.46	6.79
		For Flat Oval, Add	*0.77*	
		For Work In Restricted Working Space, Add	*3.40*	
23 31 13 13-0192	LF	4" x 12", 24 Gauge Galvanized Steel Duct	18.80	7.76
		For Flat Oval, Add	*0.88*	
		For Work In Restricted Working Space, Add	*3.88*	
23 31 13 13-0193	LF	4" x 14", 24 Gauge Galvanized Steel Duct	21.15	8.73
		For Flat Oval, Add	*0.99*	
		For Work In Restricted Working Space, Add	*4.37*	
23 31 13 13-0194	LF	4" x 16", 24 Gauge Galvanized Steel Duct	23.51	9.71
		For Flat Oval, Add	*1.10*	
		For Work In Restricted Working Space, Add	*4.85*	
23 31 13 13-0195	LF	6" x 6", 24 Gauge Galvanized Steel Duct	14.11	5.83
		For Flat Oval, Add	*0.66*	
		For Work In Restricted Working Space, Add	*2.91*	
23 31 13 13-0196	LF	6" x 8", 24 Gauge Galvanized Steel Duct	16.46	6.79
		For Flat Oval, Add	*0.77*	
		For Work In Restricted Working Space, Add	*3.40*	
23 31 13 13-0197	LF	6" x 10", 24 Gauge Galvanized Steel Duct	18.80	7.76
		For Flat Oval, Add	*0.88*	
		For Work In Restricted Working Space, Add	*3.88*	
23 31 13 13-0198	LF	6" x 12", 24 Gauge Galvanized Steel Duct	21.15	8.73
		For Flat Oval, Add	*0.99*	
		For Work In Restricted Working Space, Add	*4.37*	
23 31 13 13-0199	LF	6" x 14", 24 Gauge Galvanized Steel Duct	23.51	9.71
		For Flat Oval, Add	*1.10*	
		For Work In Restricted Working Space, Add	*4.85*	
23 31 13 13-0200	LF	6" x 16", 24 Gauge Galvanized Steel Duct	25.85	10.67
		For Flat Oval, Add	*1.21*	
		For Work In Restricted Working Space, Add	*5.34*	
23 31 13 13-0201	LF	8" x 8", 24 Gauge Galvanized Steel Duct	18.80	7.76
		For Flat Oval, Add	*0.88*	
		For Work In Restricted Working Space, Add	*3.88*	
23 31 13 13-0202	LF	8" x 10", 24 Gauge Galvanized Steel Duct	21.15	8.73
		For Flat Oval, Add	*0.99*	
		For Work In Restricted Working Space, Add	*4.37*	
23 31 13 13-0203	LF	8" x 12", 24 Gauge Galvanized Steel Duct	23.51	9.71
		For Flat Oval, Add	*1.10*	
		For Work In Restricted Working Space, Add	*4.85*	
23 31 13 13-0204	LF	8" x 14", 24 Gauge Galvanized Steel Duct	25.85	10.67
		For Flat Oval, Add	*1.21*	
		For Work In Restricted Working Space, Add	*5.34*	
23 31 13 13-0205	LF	8" x 16", 24 Gauge Galvanized Steel Duct	28.21	11.65
		For Flat Oval, Add	*1.32*	
		For Work In Restricted Working Space, Add	*5.82*	
23 31 13 13-0206	LF	8" x 18", 24 Gauge Galvanized Steel Duct	30.55	12.62
		For Flat Oval, Add	*1.43*	
		For Work In Restricted Working Space, Add	*6.31*	
23 31 13 13-0207	LF	8" x 20", 24 Gauge Galvanized Steel Duct	32.91	13.59
		For Flat Oval, Add	*1.54*	
		For Work In Restricted Working Space, Add	*6.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0208	LF	8" x 22", 24 Gauge Galvanized Steel Duct	35.27	14.55
		For Flat Oval, Add	*1.65*	
		For Work In Restricted Working Space, Add	*7.28*	
23 31 13 13-0209	LF	8" x 24", 24 Gauge Galvanized Steel Duct	37.61	15.53
		For Flat Oval, Add	*1.76*	
		For Work In Restricted Working Space, Add	*7.76*	
23 31 13 13-0210	LF	10" x 10", 24 Gauge Galvanized Steel Duct	23.51	9.71
		For Flat Oval, Add	*1.10*	
		For Work In Restricted Working Space, Add	*4.85*	
23 31 13 13-0211	LF	10" x 12", 24 Gauge Galvanized Steel Duct	25.85	10.67
		For Flat Oval, Add	*1.21*	
		For Work In Restricted Working Space, Add	*5.34*	
23 31 13 13-0212	LF	10" x 14", 24 Gauge Galvanized Steel Duct	28.21	11.65
		For Flat Oval, Add	*1.32*	
		For Work In Restricted Working Space, Add	*5.82*	
23 31 13 13-0213	LF	10" x 16", 24 Gauge Galvanized Steel Duct	30.55	12.62
		For Flat Oval, Add	*1.43*	
		For Work In Restricted Working Space, Add	*6.31*	
23 31 13 13-0214	LF	10" x 18", 24 Gauge Galvanized Steel Duct	32.91	13.59
		For Flat Oval, Add	*1.54*	
		For Work In Restricted Working Space, Add	*6.80*	
23 31 13 13-0215	LF	10" x 20", 24 Gauge Galvanized Steel Duct	35.27	14.55
		For Flat Oval, Add	*1.65*	
		For Work In Restricted Working Space, Add	*7.28*	
23 31 13 13-0216	LF	10" x 22", 24 Gauge Galvanized Steel Duct	37.61	15.53
		For Flat Oval, Add	*1.76*	
		For Work In Restricted Working Space, Add	*7.76*	
23 31 13 13-0217	LF	10" x 24", 24 Gauge Galvanized Steel Duct	39.96	16.50
		For Flat Oval, Add	*1.87*	
		For Work In Restricted Working Space, Add	*8.25*	
23 31 13 13-0218	LF	10" x 26", 24 Gauge Galvanized Steel Duct	42.31	17.47
		For Flat Oval, Add	*1.98*	
		For Work In Restricted Working Space, Add	*8.74*	
23 31 13 13-0219	LF	10" x 28", 24 Gauge Galvanized Steel Duct	44.67	18.44
		For Flat Oval, Add	*2.09*	
		For Work In Restricted Working Space, Add	*9.22*	
23 31 13 13-0220	LF	10" x 30", 24 Gauge Galvanized Steel Duct	47.01	19.41
		For Flat Oval, Add	*2.20*	
		For Work In Restricted Working Space, Add	*9.71*	
23 31 13 13-0221	LF	12" x 12", 24 Gauge Galvanized Steel Duct	28.21	11.65
		For Flat Oval, Add	*1.32*	
		For Work In Restricted Working Space, Add	*5.82*	
23 31 13 13-0222	LF	12" x 14", 24 Gauge Galvanized Steel Duct	30.55	12.62
		For Flat Oval, Add	*1.43*	
		For Work In Restricted Working Space, Add	*6.31*	
23 31 13 13-0223	LF	12" x 16", 24 Gauge Galvanized Steel Duct	32.91	13.59
		For Flat Oval, Add	*1.54*	
		For Work In Restricted Working Space, Add	*6.80*	
23 31 13 13-0224	LF	12" x 18", 24 Gauge Galvanized Steel Duct	35.27	14.55
		For Flat Oval, Add	*1.65*	
		For Work In Restricted Working Space, Add	*7.28*	
23 31 13 13-0225	LF	12" x 20", 24 Gauge Galvanized Steel Duct	37.61	15.53
		For Flat Oval, Add	*1.76*	
		For Work In Restricted Working Space, Add	*7.76*	
23 31 13 13-0226	LF	12" x 22", 24 Gauge Galvanized Steel Duct	39.96	16.50
		For Flat Oval, Add	*1.87*	
		For Work In Restricted Working Space, Add	*8.25*	
23 31 13 13-0227	LF	12" x 24", 24 Gauge Galvanized Steel Duct	42.31	17.47
		For Flat Oval, Add	*1.98*	
		For Work In Restricted Working Space, Add	*8.74*	
23 31 13 13-0228	LF	12" x 26", 24 Gauge Galvanized Steel Duct	44.67	18.44
		For Flat Oval, Add	*2.09*	
		For Work In Restricted Working Space, Add	*9.22*	
23 31 13 13-0229	LF	12" x 28", 24 Gauge Galvanized Steel Duct	47.01	19.41
		For Flat Oval, Add	*2.20*	
		For Work In Restricted Working Space, Add	*9.71*	
23 31 13 13-0230	LF	12" x 30", 24 Gauge Galvanized Steel Duct	49.36	20.38
		For Flat Oval, Add	*2.31*	
		For Work In Restricted Working Space, Add	*10.19*	
23 31 13 13-0231	LF	14" x 14", 24 Gauge Galvanized Steel Duct	32.91	13.59
		For Flat Oval, Add	*1.54*	
		For Work In Restricted Working Space, Add	*6.80*	
23 31 13 13-0232	LF	14" x 16", 24 Gauge Galvanized Steel Duct	35.27	14.55
		For Flat Oval, Add	*1.65*	
		For Work In Restricted Working Space, Add	*7.28*	
23 31 13 13-0233	LF	14" x 18", 24 Gauge Galvanized Steel Duct	37.61	15.53
		For Flat Oval, Add	*1.76*	
		For Work In Restricted Working Space, Add	*7.76*	
23 31 13 13-0234	LF	14" x 20", 24 Gauge Galvanized Steel Duct	39.96	16.50
		For Flat Oval, Add	*1.87*	
		For Work In Restricted Working Space, Add	*8.25*	
23 31 13 13-0235	LF	14" x 22", 24 Gauge Galvanized Steel Duct	42.31	17.47
		For Flat Oval, Add	*1.98*	
		For Work In Restricted Working Space, Add	*8.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0236	LF	14" x 24", 24 Gauge Galvanized Steel Duct	44.67	18.44
		For Flat Oval, Add	*2.09*	
		For Work In Restricted Working Space, Add	*9.22*	
23 31 13 13-0237	LF	14" x 26", 24 Gauge Galvanized Steel Duct	47.01	19.41
		For Flat Oval, Add	*2.20*	
		For Work In Restricted Working Space, Add	*9.71*	
23 31 13 13-0238	LF	14" x 28", 24 Gauge Galvanized Steel Duct	49.36	20.38
		For Flat Oval, Add	*2.31*	
		For Work In Restricted Working Space, Add	*10.19*	
23 31 13 13-0239	LF	14" x 30", 24 Gauge Galvanized Steel Duct	51.72	21.36
		For Flat Oval, Add	*2.42*	
		For Work In Restricted Working Space, Add	*10.68*	
23 31 13 13-0240	LF	16" x 16", 24 Gauge Galvanized Steel Duct	37.61	15.53
		For Flat Oval, Add	*1.76*	
		For Work In Restricted Working Space, Add	*7.76*	
23 31 13 13-0241	LF	16" x 18", 24 Gauge Galvanized Steel Duct	39.96	16.50
		For Flat Oval, Add	*1.87*	
		For Work In Restricted Working Space, Add	*8.25*	
23 31 13 13-0242	LF	16" x 20", 24 Gauge Galvanized Steel Duct	42.31	17.47
		For Flat Oval, Add	*1.98*	
		For Work In Restricted Working Space, Add	*8.74*	
23 31 13 13-0243	LF	16" x 22", 24 Gauge Galvanized Steel Duct	44.67	18.44
		For Flat Oval, Add	*2.09*	
		For Work In Restricted Working Space, Add	*9.22*	
23 31 13 13-0244	LF	16" x 24", 24 Gauge Galvanized Steel Duct	47.01	19.41
		For Flat Oval, Add	*2.20*	
		For Work In Restricted Working Space, Add	*9.71*	
23 31 13 13-0245	LF	16" x 26", 24 Gauge Galvanized Steel Duct	49.36	20.38
		For Flat Oval, Add	*2.31*	
		For Work In Restricted Working Space, Add	*10.19*	
23 31 13 13-0246	LF	16" x 28", 24 Gauge Galvanized Steel Duct	51.72	21.36
		For Flat Oval, Add	*2.42*	
		For Work In Restricted Working Space, Add	*10.68*	
23 31 13 13-0247	LF	16" x 30", 24 Gauge Galvanized Steel Duct	54.06	22.32
		For Flat Oval, Add	*2.53*	
		For Work In Restricted Working Space, Add	*11.16*	
23 31 13 13-0248	LF	18" x 18", 24 Gauge Galvanized Steel Duct	42.31	17.47
		For Flat Oval, Add	*1.98*	
		For Work In Restricted Working Space, Add	*8.74*	
23 31 13 13-0249	LF	18" x 20", 24 Gauge Galvanized Steel Duct	44.67	18.44
		For Flat Oval, Add	*2.09*	
		For Work In Restricted Working Space, Add	*9.22*	
23 31 13 13-0250	LF	18" x 22", 24 Gauge Galvanized Steel Duct	47.01	19.41
		For Flat Oval, Add	*2.20*	
		For Work In Restricted Working Space, Add	*9.71*	
23 31 13 13-0251	LF	18" x 24", 24 Gauge Galvanized Steel Duct	49.36	20.38
		For Flat Oval, Add	*2.31*	
		For Work In Restricted Working Space, Add	*10.19*	
23 31 13 13-0252	LF	18" x 26", 24 Gauge Galvanized Steel Duct	51.72	21.36
		For Flat Oval, Add	*2.42*	
		For Work In Restricted Working Space, Add	*10.68*	
23 31 13 13-0253	LF	18" x 28", 24 Gauge Galvanized Steel Duct	54.06	22.32
		For Flat Oval, Add	*2.53*	
		For Work In Restricted Working Space, Add	*11.16*	
23 31 13 13-0254	LF	18" x 30", 24 Gauge Galvanized Steel Duct	56.41	23.29
		For Flat Oval, Add	*2.64*	
		For Work In Restricted Working Space, Add	*11.65*	
23 31 13 13-0255	LF	20" x 20", 24 Gauge Galvanized Steel Duct	47.01	19.41
		For Flat Oval, Add	*2.20*	
		For Work In Restricted Working Space, Add	*9.71*	
23 31 13 13-0256	LF	20" x 22", 24 Gauge Galvanized Steel Duct	49.36	20.38
		For Flat Oval, Add	*2.31*	
		For Work In Restricted Working Space, Add	*10.19*	
23 31 13 13-0257	LF	20" x 24", 24 Gauge Galvanized Steel Duct	51.72	21.36
		For Flat Oval, Add	*2.42*	
		For Work In Restricted Working Space, Add	*10.68*	
23 31 13 13-0258	LF	20" x 26", 24 Gauge Galvanized Steel Duct	54.06	22.32
		For Flat Oval, Add	*2.53*	
		For Work In Restricted Working Space, Add	*11.16*	
23 31 13 13-0259	LF	20" x 28", 24 Gauge Galvanized Steel Duct	56.41	23.29
		For Flat Oval, Add	*2.64*	
		For Work In Restricted Working Space, Add	*11.65*	
23 31 13 13-0260	LF	20" x 30", 24 Gauge Galvanized Steel Duct	58.76	24.27
		For Flat Oval, Add	*2.75*	
		For Work In Restricted Working Space, Add	*12.13*	
23 31 13 13-0261	LF	22" x 22", 24 Gauge Galvanized Steel Duct	51.72	21.36
		For Flat Oval, Add	*2.42*	
		For Work In Restricted Working Space, Add	*10.68*	
23 31 13 13-0262	LF	22" x 24", 24 Gauge Galvanized Steel Duct	54.06	22.32
		For Flat Oval, Add	*2.53*	
		For Work In Restricted Working Space, Add	*11.16*	
23 31 13 13-0263	LF	22" x 26", 24 Gauge Galvanized Steel Duct	56.41	23.29
		For Flat Oval, Add	*2.64*	
		For Work In Restricted Working Space, Add	*11.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0264	LF	22" x 28", 24 Gauge Galvanized Steel Duct	58.76	24.27
		For Flat Oval, Add	*2.75*	
		For Work In Restricted Working Space, Add	*12.13*	
23 31 13 13-0265	LF	22" x 30", 24 Gauge Galvanized Steel Duct	61.12	25.24
		For Flat Oval, Add	*2.86*	
		For Work In Restricted Working Space, Add	*12.62*	
23 31 13 13-0266	LF	24" x 24", 24 Gauge Galvanized Steel Duct	56.41	23.29
		For Flat Oval, Add	*2.64*	
		For Work In Restricted Working Space, Add	*11.65*	
23 31 13 13-0267	LF	24" x 26", 24 Gauge Galvanized Steel Duct	58.76	24.27
		For Flat Oval, Add	*2.75*	
		For Work In Restricted Working Space, Add	*12.13*	
23 31 13 13-0268	LF	24" x 28", 24 Gauge Galvanized Steel Duct	61.12	25.24
		For Flat Oval, Add	*2.86*	
		For Work In Restricted Working Space, Add	*12.62*	
23 31 13 13-0269	LF	24" x 30", 24 Gauge Galvanized Steel Duct	63.46	26.20
		For Flat Oval, Add	*2.97*	
		For Work In Restricted Working Space, Add	*13.10*	
23 31 13 13-0270	LF	26" x 26", 24 Gauge Galvanized Steel Duct	61.12	25.24
		For Flat Oval, Add	*2.86*	
		For Work In Restricted Working Space, Add	*12.62*	
23 31 13 13-0271	LF	26" x 28", 24 Gauge Galvanized Steel Duct	63.46	26.20
		For Flat Oval, Add	*2.97*	
		For Work In Restricted Working Space, Add	*13.10*	
23 31 13 13-0272	LF	26" x 30", 24 Gauge Galvanized Steel Duct	65.81	27.17
		For Flat Oval, Add	*3.08*	
		For Work In Restricted Working Space, Add	*13.59*	
23 31 13 13-0273	LF	28" x 28", 24 Gauge Galvanized Steel Duct	65.81	27.17
		For Flat Oval, Add	*3.08*	
		For Work In Restricted Working Space, Add	*13.59*	
23 31 13 13-0274	LF	28" x 30", 24 Gauge Galvanized Steel Duct	68.16	28.15
		For Flat Oval, Add	*3.19*	
		For Work In Restricted Working Space, Add	*14.07*	
23 31 13 13-0275	LF	30" x 30", 24 Gauge Galvanized Steel Duct	70.52	29.12
		For Flat Oval, Add	*3.30*	
		For Work In Restricted Working Space, Add	*14.56*	

23 31 13 13-0276 22 Gauge Galvanized Steel Duct *(23 31 13 13-0009)*

23 31 13 13-0277	LF	4" x 4", 22 Gauge Galvanized Steel Duct	11.44	4.73
		For Flat Oval, Add	*0.54*	
		For Work In Restricted Working Space, Add	*2.36*	
23 31 13 13-0278	LF	4" x 6", 22 Gauge Galvanized Steel Duct	14.30	5.90
		For Flat Oval, Add	*0.67*	
		For Work In Restricted Working Space, Add	*2.95*	
23 31 13 13-0279	LF	4" x 8", 22 Gauge Galvanized Steel Duct	17.16	7.09
		For Flat Oval, Add	*0.80*	
		For Work In Restricted Working Space, Add	*3.54*	
23 31 13 13-0280	LF	4" x 10", 22 Gauge Galvanized Steel Duct	20.01	8.26
		For Flat Oval, Add	*0.94*	
		For Work In Restricted Working Space, Add	*4.13*	
23 31 13 13-0281	LF	4" x 12", 22 Gauge Galvanized Steel Duct	22.87	9.44
		For Flat Oval, Add	*1.07*	
		For Work In Restricted Working Space, Add	*4.72*	
23 31 13 13-0282	LF	4" x 14", 22 Gauge Galvanized Steel Duct	25.73	10.62
		For Flat Oval, Add	*1.20*	
		For Work In Restricted Working Space, Add	*5.31*	
23 31 13 13-0283	LF	4" x 16", 22 Gauge Galvanized Steel Duct	28.59	11.81
		For Flat Oval, Add	*1.34*	
		For Work In Restricted Working Space, Add	*5.90*	
23 31 13 13-0284	LF	6" x 6", 22 Gauge Galvanized Steel Duct	17.16	7.09
		For Flat Oval, Add	*0.80*	
		For Work In Restricted Working Space, Add	*3.54*	
23 31 13 13-0285	LF	6" x 8", 22 Gauge Galvanized Steel Duct	20.01	8.26
		For Flat Oval, Add	*0.94*	
		For Work In Restricted Working Space, Add	*4.13*	
23 31 13 13-0286	LF	6" x 10", 22 Gauge Galvanized Steel Duct	22.87	9.44
		For Flat Oval, Add	*1.07*	
		For Work In Restricted Working Space, Add	*4.72*	
23 31 13 13-0287	LF	6" x 12", 22 Gauge Galvanized Steel Duct	25.73	10.62
		For Flat Oval, Add	*1.20*	
		For Work In Restricted Working Space, Add	*5.31*	
23 31 13 13-0288	LF	6" x 14", 22 Gauge Galvanized Steel Duct	28.59	11.81
		For Flat Oval, Add	*1.34*	
		For Work In Restricted Working Space, Add	*5.90*	
23 31 13 13-0289	LF	6" x 16", 22 Gauge Galvanized Steel Duct	31.45	12.98
		For Flat Oval, Add	*1.47*	
		For Work In Restricted Working Space, Add	*6.49*	
23 31 13 13-0290	LF	8" x 8", 22 Gauge Galvanized Steel Duct	22.87	9.44
		For Flat Oval, Add	*1.07*	
		For Work In Restricted Working Space, Add	*4.72*	
23 31 13 13-0291	LF	8" x 10", 22 Gauge Galvanized Steel Duct	25.73	10.62
		For Flat Oval, Add	*1.20*	
		For Work In Restricted Working Space, Add	*5.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0292	LF	8" x 12", 22 Gauge Galvanized Steel Duct	28.59	11.81
		For Flat Oval, Add	*1.34*	
		For Work In Restricted Working Space, Add	*5.90*	
23 31 13 13-0293	LF	8" x 14", 22 Gauge Galvanized Steel Duct	31.45	12.98
		For Flat Oval, Add	*1.47*	
		For Work In Restricted Working Space, Add	*6.49*	
23 31 13 13-0294	LF	8" x 16", 22 Gauge Galvanized Steel Duct	34.30	14.17
		For Flat Oval, Add	*1.61*	
		For Work In Restricted Working Space, Add	*7.08*	
23 31 13 13-0295	LF	8" x 18", 22 Gauge Galvanized Steel Duct	37.17	15.35
		For Flat Oval, Add	*1.74*	
		For Work In Restricted Working Space, Add	*7.67*	
23 31 13 13-0296	LF	8" x 20", 22 Gauge Galvanized Steel Duct	40.02	16.53
		For Flat Oval, Add	*1.87*	
		For Work In Restricted Working Space, Add	*8.26*	
23 31 13 13-0297	LF	8" x 22", 22 Gauge Galvanized Steel Duct	42.89	17.71
		For Flat Oval, Add	*2.01*	
		For Work In Restricted Working Space, Add	*8.86*	
23 31 13 13-0298	LF	8" x 24", 22 Gauge Galvanized Steel Duct	45.73	18.89
		For Flat Oval, Add	*2.14*	
		For Work In Restricted Working Space, Add	*9.44*	
23 31 13 13-0299	LF	10" x 10", 22 Gauge Galvanized Steel Duct	28.59	11.81
		For Flat Oval, Add	*1.34*	
		For Work In Restricted Working Space, Add	*5.90*	
23 31 13 13-0300	LF	10" x 12", 22 Gauge Galvanized Steel Duct	31.45	12.98
		For Flat Oval, Add	*1.47*	
		For Work In Restricted Working Space, Add	*6.49*	
23 31 13 13-0301	LF	10" x 14", 22 Gauge Galvanized Steel Duct	34.30	14.17
		For Flat Oval, Add	*1.61*	
		For Work In Restricted Working Space, Add	*7.08*	
23 31 13 13-0302	LF	10" x 16", 22 Gauge Galvanized Steel Duct	37.17	15.35
		For Flat Oval, Add	*1.74*	
		For Work In Restricted Working Space, Add	*7.67*	
23 31 13 13-0303	LF	10" x 18", 22 Gauge Galvanized Steel Duct	40.02	16.53
		For Flat Oval, Add	*1.87*	
		For Work In Restricted Working Space, Add	*8.26*	
23 31 13 13-0304	LF	10" x 20", 22 Gauge Galvanized Steel Duct	42.89	17.71
		For Flat Oval, Add	*2.01*	
		For Work In Restricted Working Space, Add	*8.86*	
23 31 13 13-0305	LF	10" x 22", 22 Gauge Galvanized Steel Duct	45.73	18.89
		For Flat Oval, Add	*2.14*	
		For Work In Restricted Working Space, Add	*9.44*	
23 31 13 13-0306	LF	10" x 24", 22 Gauge Galvanized Steel Duct	48.61	20.07
		For Flat Oval, Add	*2.27*	
		For Work In Restricted Working Space, Add	*10.04*	
23 31 13 13-0307	LF	10" x 26", 22 Gauge Galvanized Steel Duct	51.47	21.25
		For Flat Oval, Add	*2.41*	
		For Work In Restricted Working Space, Add	*10.63*	
23 31 13 13-0308	LF	10" x 28", 22 Gauge Galvanized Steel Duct	54.32	22.43
		For Flat Oval, Add	*2.54*	
		For Work In Restricted Working Space, Add	*11.21*	
23 31 13 13-0309	LF	10" x 30", 22 Gauge Galvanized Steel Duct	57.18	23.60
		For Flat Oval, Add	*2.67*	
		For Work In Restricted Working Space, Add	*11.81*	
23 31 13 13-0310	LF	10" x 32", 22 Gauge Galvanized Steel Duct	60.03	24.79
		For Flat Oval, Add	*2.81*	
		For Work In Restricted Working Space, Add	*12.39*	
23 31 13 13-0311	LF	12" x 12", 22 Gauge Galvanized Steel Duct	34.30	14.17
		For Flat Oval, Add	*1.61*	
		For Work In Restricted Working Space, Add	*7.08*	
23 31 13 13-0312	LF	12" x 14", 22 Gauge Galvanized Steel Duct	37.17	15.35
		For Flat Oval, Add	*1.74*	
		For Work In Restricted Working Space, Add	*7.67*	
23 31 13 13-0313	LF	12" x 16", 22 Gauge Galvanized Steel Duct	40.02	16.53
		For Flat Oval, Add	*1.87*	
		For Work In Restricted Working Space, Add	*8.26*	
23 31 13 13-0314	LF	12" x 18", 22 Gauge Galvanized Steel Duct	42.89	17.71
		For Flat Oval, Add	*2.01*	
		For Work In Restricted Working Space, Add	*8.86*	
23 31 13 13-0315	LF	12" x 20", 22 Gauge Galvanized Steel Duct	45.73	18.89
		For Flat Oval, Add	*2.14*	
		For Work In Restricted Working Space, Add	*9.44*	
23 31 13 13-0316	LF	12" x 22", 22 Gauge Galvanized Steel Duct	48.61	20.07
		For Flat Oval, Add	*2.27*	
		For Work In Restricted Working Space, Add	*10.04*	
23 31 13 13-0317	LF	12" x 24", 22 Gauge Galvanized Steel Duct	51.47	21.25
		For Flat Oval, Add	*2.41*	
		For Work In Restricted Working Space, Add	*10.63*	
23 31 13 13-0318	LF	12" x 26", 22 Gauge Galvanized Steel Duct	54.32	22.43
		For Flat Oval, Add	*2.54*	
		For Work In Restricted Working Space, Add	*11.21*	
23 31 13 13-0319	LF	12" x 28", 22 Gauge Galvanized Steel Duct	57.18	23.60
		For Flat Oval, Add	*2.67*	
		For Work In Restricted Working Space, Add	*11.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0320	LF	12" x 30", 22 Gauge Galvanized Steel Duct	60.03	24.79
		For Flat Oval, Add	*2.81*	
		For Work In Restricted Working Space, Add	*12.39*	
23 31 13 13-0321	LF	12" x 32", 22 Gauge Galvanized Steel Duct	62.90	25.97
		For Flat Oval, Add	*2.94*	
		For Work In Restricted Working Space, Add	*12.99*	
23 31 13 13-0322	LF	12" x 34", 22 Gauge Galvanized Steel Duct	65.76	27.15
		For Flat Oval, Add	*3.08*	
		For Work In Restricted Working Space, Add	*13.58*	
23 31 13 13-0323	LF	12" x 36", 22 Gauge Galvanized Steel Duct	68.62	28.33
		For Flat Oval, Add	*3.21*	
		For Work In Restricted Working Space, Add	*14.17*	
23 31 13 13-0324	LF	14" x 14", 22 Gauge Galvanized Steel Duct	40.02	16.53
		For Flat Oval, Add	*1.87*	
		For Work In Restricted Working Space, Add	*8.26*	
23 31 13 13-0325	LF	14" x 16", 22 Gauge Galvanized Steel Duct	42.89	17.71
		For Flat Oval, Add	*2.01*	
		For Work In Restricted Working Space, Add	*8.86*	
23 31 13 13-0326	LF	14" x 18", 22 Gauge Galvanized Steel Duct	45.73	18.89
		For Flat Oval, Add	*2.14*	
		For Work In Restricted Working Space, Add	*9.44*	
23 31 13 13-0327	LF	14" x 20", 22 Gauge Galvanized Steel Duct	48.61	20.07
		For Flat Oval, Add	*2.27*	
		For Work In Restricted Working Space, Add	*10.04*	
23 31 13 13-0328	LF	14" x 22", 22 Gauge Galvanized Steel Duct	51.47	21.25
		For Flat Oval, Add	*2.41*	
		For Work In Restricted Working Space, Add	*10.63*	
23 31 13 13-0329	LF	14" x 24", 22 Gauge Galvanized Steel Duct	54.32	22.43
		For Flat Oval, Add	*2.54*	
		For Work In Restricted Working Space, Add	*11.21*	
23 31 13 13-0330	LF	14" x 26", 22 Gauge Galvanized Steel Duct	57.18	23.60
		For Flat Oval, Add	*2.67*	
		For Work In Restricted Working Space, Add	*11.81*	
23 31 13 13-0331	LF	14" x 28", 22 Gauge Galvanized Steel Duct	60.03	24.79
		For Flat Oval, Add	*2.81*	
		For Work In Restricted Working Space, Add	*12.39*	
23 31 13 13-0332	LF	14" x 30", 22 Gauge Galvanized Steel Duct	62.90	25.97
		For Flat Oval, Add	*2.94*	
		For Work In Restricted Working Space, Add	*12.99*	
23 31 13 13-0333	LF	14" x 32", 22 Gauge Galvanized Steel Duct	65.76	27.15
		For Flat Oval, Add	*3.08*	
		For Work In Restricted Working Space, Add	*13.58*	
23 31 13 13-0334	LF	14" x 34", 22 Gauge Galvanized Steel Duct	68.62	28.33
		For Flat Oval, Add	*3.21*	
		For Work In Restricted Working Space, Add	*14.17*	
23 31 13 13-0335	LF	14" x 36", 22 Gauge Galvanized Steel Duct	71.47	29.52
		For Flat Oval, Add	*3.34*	
		For Work In Restricted Working Space, Add	*14.75*	
23 31 13 13-0336	LF	16" x 16", 22 Gauge Galvanized Steel Duct	45.73	18.89
		For Flat Oval, Add	*2.14*	
		For Work In Restricted Working Space, Add	*9.44*	
23 31 13 13-0337	LF	16" x 18", 22 Gauge Galvanized Steel Duct	48.61	20.07
		For Flat Oval, Add	*2.27*	
		For Work In Restricted Working Space, Add	*10.04*	
23 31 13 13-0338	LF	16" x 20", 22 Gauge Galvanized Steel Duct	51.47	21.25
		For Flat Oval, Add	*2.41*	
		For Work In Restricted Working Space, Add	*10.63*	
23 31 13 13-0339	LF	16" x 22", 22 Gauge Galvanized Steel Duct	54.32	22.43
		For Flat Oval, Add	*2.54*	
		For Work In Restricted Working Space, Add	*11.21*	
23 31 13 13-0340	LF	16" x 24", 22 Gauge Galvanized Steel Duct	57.18	23.60
		For Flat Oval, Add	*2.67*	
		For Work In Restricted Working Space, Add	*11.81*	
23 31 13 13-0341	LF	16" x 26", 22 Gauge Galvanized Steel Duct	60.03	24.79
		For Flat Oval, Add	*2.81*	
		For Work In Restricted Working Space, Add	*12.39*	
23 31 13 13-0342	LF	16" x 28", 22 Gauge Galvanized Steel Duct	62.90	25.97
		For Flat Oval, Add	*2.94*	
		For Work In Restricted Working Space, Add	*12.99*	
23 31 13 13-0343	LF	16" x 30", 22 Gauge Galvanized Steel Duct	65.76	27.15
		For Flat Oval, Add	*3.08*	
		For Work In Restricted Working Space, Add	*13.58*	
23 31 13 13-0344	LF	16" x 32", 22 Gauge Galvanized Steel Duct	68.62	28.33
		For Flat Oval, Add	*3.21*	
		For Work In Restricted Working Space, Add	*14.17*	
23 31 13 13-0345	LF	16" x 34", 22 Gauge Galvanized Steel Duct	71.47	29.52
		For Flat Oval, Add	*3.34*	
		For Work In Restricted Working Space, Add	*14.75*	
23 31 13 13-0346	LF	16" x 36", 22 Gauge Galvanized Steel Duct	74.34	30.69
		For Flat Oval, Add	*3.48*	
		For Work In Restricted Working Space, Add	*15.35*	
23 31 13 13-0347	LF	16" x 38", 22 Gauge Galvanized Steel Duct	77.19	31.88
		For Flat Oval, Add	*3.61*	
		For Work In Restricted Working Space, Add	*15.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0348	LF	16" x 40", 22 Gauge Galvanized Steel Duct	80.05	33.05
		For Flat Oval, Add	*3.74*	
		For Work In Restricted Working Space, Add	*16.53*	
23 31 13 13-0349	LF	16" x 42", 22 Gauge Galvanized Steel Duct	82.90	34.24
		For Flat Oval, Add	*3.88*	
		For Work In Restricted Working Space, Add	*17.12*	
23 31 13 13-0350	LF	16" x 44", 22 Gauge Galvanized Steel Duct	85.77	35.42
		For Flat Oval, Add	*4.01*	
		For Work In Restricted Working Space, Add	*17.71*	
23 31 13 13-0351	LF	18" x 18", 22 Gauge Galvanized Steel Duct	51.47	21.25
		For Flat Oval, Add	*2.41*	
		For Work In Restricted Working Space, Add	*10.63*	
23 31 13 13-0352	LF	18" x 20", 22 Gauge Galvanized Steel Duct	54.32	22.43
		For Flat Oval, Add	*2.54*	
		For Work In Restricted Working Space, Add	*11.21*	
23 31 13 13-0353	LF	18" x 22", 22 Gauge Galvanized Steel Duct	57.18	23.60
		For Flat Oval, Add	*2.67*	
		For Work In Restricted Working Space, Add	*11.81*	
23 31 13 13-0354	LF	18" x 24", 22 Gauge Galvanized Steel Duct	60.03	24.79
		For Flat Oval, Add	*2.81*	
		For Work In Restricted Working Space, Add	*12.39*	
23 31 13 13-0355	LF	18" x 26", 22 Gauge Galvanized Steel Duct	62.90	25.97
		For Flat Oval, Add	*2.94*	
		For Work In Restricted Working Space, Add	*12.99*	
23 31 13 13-0356	LF	18" x 28", 22 Gauge Galvanized Steel Duct	65.76	27.15
		For Flat Oval, Add	*3.08*	
		For Work In Restricted Working Space, Add	*13.58*	
23 31 13 13-0357	LF	18" x 30", 22 Gauge Galvanized Steel Duct	68.62	28.33
		For Flat Oval, Add	*3.21*	
		For Work In Restricted Working Space, Add	*14.17*	
23 31 13 13-0358	LF	18" x 32", 22 Gauge Galvanized Steel Duct	71.47	29.52
		For Flat Oval, Add	*3.34*	
		For Work In Restricted Working Space, Add	*14.75*	
23 31 13 13-0359	LF	18" x 34", 22 Gauge Galvanized Steel Duct	74.34	30.69
		For Flat Oval, Add	*3.48*	
		For Work In Restricted Working Space, Add	*15.35*	
23 31 13 13-0360	LF	18" x 36", 22 Gauge Galvanized Steel Duct	77.19	31.88
		For Flat Oval, Add	*3.61*	
		For Work In Restricted Working Space, Add	*15.94*	
23 31 13 13-0361	LF	18" x 38", 22 Gauge Galvanized Steel Duct	80.05	33.05
		For Flat Oval, Add	*3.74*	
		For Work In Restricted Working Space, Add	*16.53*	
23 31 13 13-0362	LF	18" x 40", 22 Gauge Galvanized Steel Duct	82.90	34.24
		For Flat Oval, Add	*3.88*	
		For Work In Restricted Working Space, Add	*17.12*	
23 31 13 13-0363	LF	18" x 42", 22 Gauge Galvanized Steel Duct	85.77	35.42
		For Flat Oval, Add	*4.01*	
		For Work In Restricted Working Space, Add	*17.71*	
23 31 13 13-0364	LF	18" x 44", 22 Gauge Galvanized Steel Duct	88.63	36.59
		For Flat Oval, Add	*4.15*	
		For Work In Restricted Working Space, Add	*18.30*	
23 31 13 13-0365	LF	18" x 46", 22 Gauge Galvanized Steel Duct	91.49	37.77
		For Flat Oval, Add	*4.28*	
		For Work In Restricted Working Space, Add	*18.89*	
23 31 13 13-0366	LF	20" x 20", 22 Gauge Galvanized Steel Duct	57.18	23.60
		For Flat Oval, Add	*2.67*	
		For Work In Restricted Working Space, Add	*11.81*	
23 31 13 13-0367	LF	20" x 22", 22 Gauge Galvanized Steel Duct	60.03	24.79
		For Flat Oval, Add	*2.81*	
		For Work In Restricted Working Space, Add	*12.39*	
23 31 13 13-0368	LF	20" x 24", 22 Gauge Galvanized Steel Duct	62.90	25.97
		For Flat Oval, Add	*2.94*	
		For Work In Restricted Working Space, Add	*12.99*	
23 31 13 13-0369	LF	20" x 26", 22 Gauge Galvanized Steel Duct	65.76	27.15
		For Flat Oval, Add	*3.08*	
		For Work In Restricted Working Space, Add	*13.58*	
23 31 13 13-0370	LF	20" x 28", 22 Gauge Galvanized Steel Duct	68.62	28.33
		For Flat Oval, Add	*3.21*	
		For Work In Restricted Working Space, Add	*14.17*	
23 31 13 13-0371	LF	20" x 30", 22 Gauge Galvanized Steel Duct	71.47	29.52
		For Flat Oval, Add	*3.34*	
		For Work In Restricted Working Space, Add	*14.75*	
23 31 13 13-0372	LF	20" x 32", 22 Gauge Galvanized Steel Duct	74.34	30.69
		For Flat Oval, Add	*3.48*	
		For Work In Restricted Working Space, Add	*15.35*	
23 31 13 13-0373	LF	20" x 34", 22 Gauge Galvanized Steel Duct	77.19	31.88
		For Flat Oval, Add	*3.61*	
		For Work In Restricted Working Space, Add	*15.94*	
23 31 13 13-0374	LF	20" x 36", 22 Gauge Galvanized Steel Duct	80.05	33.05
		For Flat Oval, Add	*3.74*	
		For Work In Restricted Working Space, Add	*16.53*	
23 31 13 13-0375	LF	20" x 38", 22 Gauge Galvanized Steel Duct	82.90	34.24
		For Flat Oval, Add	*3.88*	
		For Work In Restricted Working Space, Add	*17.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0376	LF	20" x 40", 22 Gauge Galvanized Steel Duct	85.77	35.42
		For Flat Oval, Add	*4.01*	
		For Work In Restricted Working Space, Add	*17.71*	
23 31 13 13-0377	LF	20" x 42", 22 Gauge Galvanized Steel Duct	88.63	36.59
		For Flat Oval, Add	*4.15*	
		For Work In Restricted Working Space, Add	*18.30*	
23 31 13 13-0378	LF	20" x 44", 22 Gauge Galvanized Steel Duct	91.49	37.77
		For Flat Oval, Add	*4.28*	
		For Work In Restricted Working Space, Add	*18.89*	
23 31 13 13-0379	LF	20" x 46", 22 Gauge Galvanized Steel Duct	94.34	38.95
		For Flat Oval, Add	*4.41*	
		For Work In Restricted Working Space, Add	*19.48*	
23 31 13 13-0380	LF	20" x 48", 22 Gauge Galvanized Steel Duct	97.20	40.13
		For Flat Oval, Add	*4.55*	
		For Work In Restricted Working Space, Add	*20.07*	
23 31 13 13-0381	LF	22" x 22", 22 Gauge Galvanized Steel Duct	62.90	25.97
		For Flat Oval, Add	*2.94*	
		For Work In Restricted Working Space, Add	*12.99*	
23 31 13 13-0382	LF	22" x 24", 22 Gauge Galvanized Steel Duct	65.76	27.15
		For Flat Oval, Add	*3.08*	
		For Work In Restricted Working Space, Add	*13.58*	
23 31 13 13-0383	LF	22" x 26", 22 Gauge Galvanized Steel Duct	68.62	28.33
		For Flat Oval, Add	*3.21*	
		For Work In Restricted Working Space, Add	*14.17*	
23 31 13 13-0384	LF	22" x 28", 22 Gauge Galvanized Steel Duct	71.47	29.52
		For Flat Oval, Add	*3.34*	
		For Work In Restricted Working Space, Add	*14.75*	
23 31 13 13-0385	LF	22" x 30", 22 Gauge Galvanized Steel Duct	74.34	30.69
		For Flat Oval, Add	*3.48*	
		For Work In Restricted Working Space, Add	*15.35*	
23 31 13 13-0386	LF	22" x 32", 22 Gauge Galvanized Steel Duct	77.19	31.88
		For Flat Oval, Add	*3.61*	
		For Work In Restricted Working Space, Add	*15.94*	
23 31 13 13-0387	LF	22" x 34", 22 Gauge Galvanized Steel Duct	80.05	33.05
		For Flat Oval, Add	*3.74*	
		For Work In Restricted Working Space, Add	*16.53*	
23 31 13 13-0388	LF	22" x 36", 22 Gauge Galvanized Steel Duct	82.90	34.24
		For Flat Oval, Add	*3.88*	
		For Work In Restricted Working Space, Add	*17.12*	
23 31 13 13-0389	LF	22" x 38", 22 Gauge Galvanized Steel Duct	85.77	35.42
		For Flat Oval, Add	*4.01*	
		For Work In Restricted Working Space, Add	*17.71*	
23 31 13 13-0390	LF	22" x 40", 22 Gauge Galvanized Steel Duct	88.63	36.59
		For Flat Oval, Add	*4.15*	
		For Work In Restricted Working Space, Add	*18.30*	
23 31 13 13-0391	LF	22" x 42", 22 Gauge Galvanized Steel Duct	91.49	37.77
		For Flat Oval, Add	*4.28*	
		For Work In Restricted Working Space, Add	*18.89*	
23 31 13 13-0392	LF	22" x 44", 22 Gauge Galvanized Steel Duct	94.34	38.95
		For Flat Oval, Add	*4.41*	
		For Work In Restricted Working Space, Add	*19.48*	
23 31 13 13-0393	LF	22" x 46", 22 Gauge Galvanized Steel Duct	97.20	40.13
		For Flat Oval, Add	*4.55*	
		For Work In Restricted Working Space, Add	*20.07*	
23 31 13 13-0394	LF	22" x 48", 22 Gauge Galvanized Steel Duct	100.06	41.31
		For Flat Oval, Add	*4.68*	
		For Work In Restricted Working Space, Add	*20.66*	
23 31 13 13-0395	LF	24" x 24", 22 Gauge Galvanized Steel Duct	68.62	28.33
		For Flat Oval, Add	*3.21*	
		For Work In Restricted Working Space, Add	*14.17*	
23 31 13 13-0396	LF	24" x 26", 22 Gauge Galvanized Steel Duct	71.47	29.52
		For Flat Oval, Add	*3.34*	
		For Work In Restricted Working Space, Add	*14.75*	
23 31 13 13-0397	LF	24" x 28", 22 Gauge Galvanized Steel Duct	74.34	30.69
		For Flat Oval, Add	*3.48*	
		For Work In Restricted Working Space, Add	*15.35*	
23 31 13 13-0398	LF	24" x 30", 22 Gauge Galvanized Steel Duct	77.19	31.88
		For Flat Oval, Add	*3.61*	
		For Work In Restricted Working Space, Add	*15.94*	
23 31 13 13-0399	LF	24" x 32", 22 Gauge Galvanized Steel Duct	80.05	33.05
		For Flat Oval, Add	*3.74*	
		For Work In Restricted Working Space, Add	*16.53*	
23 31 13 13-0400	LF	24" x 34", 22 Gauge Galvanized Steel Duct	82.90	34.24
		For Flat Oval, Add	*3.88*	
		For Work In Restricted Working Space, Add	*17.12*	
23 31 13 13-0401	LF	24" x 36", 22 Gauge Galvanized Steel Duct	85.77	35.42
		For Flat Oval, Add	*4.01*	
		For Work In Restricted Working Space, Add	*17.71*	
23 31 13 13-0402	LF	24" x 38", 22 Gauge Galvanized Steel Duct	88.63	36.59
		For Flat Oval, Add	*4.15*	
		For Work In Restricted Working Space, Add	*18.30*	
23 31 13 13-0403	LF	24" x 40", 22 Gauge Galvanized Steel Duct	91.49	37.77
		For Flat Oval, Add	*4.28*	
		For Work In Restricted Working Space, Add	*18.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0404	LF	24" x 42", 22 Gauge Galvanized Steel Duct	94.34	38.95
		For Flat Oval, Add	*4.41*	
		For Work In Restricted Working Space, Add	*19.48*	
23 31 13 13-0405	LF	24" x 44", 22 Gauge Galvanized Steel Duct	97.20	40.13
		For Flat Oval, Add	*4.55*	
		For Work In Restricted Working Space, Add	*20.07*	
23 31 13 13-0406	LF	24" x 46", 22 Gauge Galvanized Steel Duct	100.06	41.31
		For Flat Oval, Add	*4.68*	
		For Work In Restricted Working Space, Add	*20.66*	
23 31 13 13-0407	LF	24" x 48", 22 Gauge Galvanized Steel Duct	102.93	42.50
		For Flat Oval, Add	*4.82*	
		For Work In Restricted Working Space, Add	*21.25*	
23 31 13 13-0408	LF	26" x 26", 22 Gauge Galvanized Steel Duct	74.34	30.69
		For Flat Oval, Add	*3.48*	
		For Work In Restricted Working Space, Add	*15.35*	
23 31 13 13-0409	LF	26" x 28", 22 Gauge Galvanized Steel Duct	77.19	31.88
		For Flat Oval, Add	*3.61*	
		For Work In Restricted Working Space, Add	*15.94*	
23 31 13 13-0410	LF	26" x 30", 22 Gauge Galvanized Steel Duct	80.05	33.05
		For Flat Oval, Add	*3.74*	
		For Work In Restricted Working Space, Add	*16.53*	
23 31 13 13-0411	LF	26" x 32", 22 Gauge Galvanized Steel Duct	82.90	34.24
		For Flat Oval, Add	*3.88*	
		For Work In Restricted Working Space, Add	*17.12*	
23 31 13 13-0412	LF	26" x 34", 22 Gauge Galvanized Steel Duct	85.77	35.42
		For Flat Oval, Add	*4.01*	
		For Work In Restricted Working Space, Add	*17.71*	
23 31 13 13-0413	LF	26" x 36", 22 Gauge Galvanized Steel Duct	88.63	36.59
		For Flat Oval, Add	*4.15*	
		For Work In Restricted Working Space, Add	*18.30*	
23 31 13 13-0414	LF	26" x 38", 22 Gauge Galvanized Steel Duct	91.49	37.77
		For Flat Oval, Add	*4.28*	
		For Work In Restricted Working Space, Add	*18.89*	
23 31 13 13-0415	LF	26" x 40", 22 Gauge Galvanized Steel Duct	94.34	38.95
		For Flat Oval, Add	*4.41*	
		For Work In Restricted Working Space, Add	*19.48*	
23 31 13 13-0416	LF	26" x 42", 22 Gauge Galvanized Steel Duct	97.20	40.13
		For Flat Oval, Add	*4.55*	
		For Work In Restricted Working Space, Add	*20.07*	
23 31 13 13-0417	LF	26" x 44", 22 Gauge Galvanized Steel Duct	100.06	41.31
		For Flat Oval, Add	*4.68*	
		For Work In Restricted Working Space, Add	*20.66*	
23 31 13 13-0418	LF	26" x 46", 22 Gauge Galvanized Steel Duct	102.93	42.50
		For Flat Oval, Add	*4.82*	
		For Work In Restricted Working Space, Add	*21.25*	
23 31 13 13-0419	LF	26" x 48", 22 Gauge Galvanized Steel Duct	105.78	43.67
		For Flat Oval, Add	*4.95*	
		For Work In Restricted Working Space, Add	*21.84*	
23 31 13 13-0420	LF	28" x 28", 22 Gauge Galvanized Steel Duct	80.05	33.05
		For Flat Oval, Add	*3.74*	
		For Work In Restricted Working Space, Add	*16.53*	
23 31 13 13-0421	LF	28" x 30", 22 Gauge Galvanized Steel Duct	82.90	34.24
		For Flat Oval, Add	*3.88*	
		For Work In Restricted Working Space, Add	*17.12*	
23 31 13 13-0422	LF	28" x 32", 22 Gauge Galvanized Steel Duct	85.77	35.42
		For Flat Oval, Add	*4.01*	
		For Work In Restricted Working Space, Add	*17.71*	
23 31 13 13-0423	LF	28" x 34", 22 Gauge Galvanized Steel Duct	88.63	36.59
		For Flat Oval, Add	*4.15*	
		For Work In Restricted Working Space, Add	*18.30*	
23 31 13 13-0424	LF	28" x 36", 22 Gauge Galvanized Steel Duct	91.49	37.77
		For Flat Oval, Add	*4.28*	
		For Work In Restricted Working Space, Add	*18.89*	
23 31 13 13-0425	LF	28" x 38", 22 Gauge Galvanized Steel Duct	94.34	38.95
		For Flat Oval, Add	*4.41*	
		For Work In Restricted Working Space, Add	*19.48*	
23 31 13 13-0426	LF	28" x 40", 22 Gauge Galvanized Steel Duct	97.20	40.13
		For Flat Oval, Add	*4.55*	
		For Work In Restricted Working Space, Add	*20.07*	
23 31 13 13-0427	LF	28" x 42", 22 Gauge Galvanized Steel Duct	100.06	41.31
		For Flat Oval, Add	*4.68*	
		For Work In Restricted Working Space, Add	*20.66*	
23 31 13 13-0428	LF	28" x 44", 22 Gauge Galvanized Steel Duct	102.93	42.50
		For Flat Oval, Add	*4.82*	
		For Work In Restricted Working Space, Add	*21.25*	
23 31 13 13-0429	LF	28" x 46", 22 Gauge Galvanized Steel Duct	105.78	43.67
		For Flat Oval, Add	*4.95*	
		For Work In Restricted Working Space, Add	*21.84*	
23 31 13 13-0430	LF	28" x 48", 22 Gauge Galvanized Steel Duct	108.64	44.86
		For Flat Oval, Add	*5.08*	
		For Work In Restricted Working Space, Add	*22.43*	
23 31 13 13-0431	LF	30" x 30", 22 Gauge Galvanized Steel Duct	85.77	35.42
		For Flat Oval, Add	*4.01*	
		For Work In Restricted Working Space, Add	*17.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0432	LF	30" x 32", 22 Gauge Galvanized Steel Duct	88.63	36.59
		For Flat Oval, Add	*4.15*	
		For Work In Restricted Working Space, Add	*18.30*	
23 31 13 13-0433	LF	30" x 34", 22 Gauge Galvanized Steel Duct	91.49	37.77
		For Flat Oval, Add	*4.28*	
		For Work In Restricted Working Space, Add	*18.89*	
23 31 13 13-0434	LF	30" x 36", 22 Gauge Galvanized Steel Duct	94.34	38.95
		For Flat Oval, Add	*4.41*	
		For Work In Restricted Working Space, Add	*19.48*	
23 31 13 13-0435	LF	30" x 38", 22 Gauge Galvanized Steel Duct	97.20	40.13
		For Flat Oval, Add	*4.55*	
		For Work In Restricted Working Space, Add	*20.07*	
23 31 13 13-0436	LF	30" x 40", 22 Gauge Galvanized Steel Duct	100.06	41.31
		For Flat Oval, Add	*4.68*	
		For Work In Restricted Working Space, Add	*20.66*	
23 31 13 13-0437	LF	30" x 42", 22 Gauge Galvanized Steel Duct	102.93	42.50
		For Flat Oval, Add	*4.82*	
		For Work In Restricted Working Space, Add	*21.25*	
23 31 13 13-0438	LF	30" x 44", 22 Gauge Galvanized Steel Duct	105.78	43.67
		For Flat Oval, Add	*4.95*	
		For Work In Restricted Working Space, Add	*21.84*	
23 31 13 13-0439	LF	30" x 46", 22 Gauge Galvanized Steel Duct	108.64	44.86
		For Flat Oval, Add	*5.08*	
		For Work In Restricted Working Space, Add	*22.43*	
23 31 13 13-0440	LF	30" x 48", 22 Gauge Galvanized Steel Duct	111.50	46.04
		For Flat Oval, Add	*5.22*	
		For Work In Restricted Working Space, Add	*23.02*	
23 31 13 13-0441	LF	32" x 32", 22 Gauge Galvanized Steel Duct	91.49	37.77
		For Flat Oval, Add	*4.28*	
		For Work In Restricted Working Space, Add	*18.89*	
23 31 13 13-0442	LF	32" x 34", 22 Gauge Galvanized Steel Duct	94.34	38.95
		For Flat Oval, Add	*4.41*	
		For Work In Restricted Working Space, Add	*19.48*	
23 31 13 13-0443	LF	32" x 36", 22 Gauge Galvanized Steel Duct	97.20	40.13
		For Flat Oval, Add	*4.55*	
		For Work In Restricted Working Space, Add	*20.07*	
23 31 13 13-0444	LF	32" x 38", 22 Gauge Galvanized Steel Duct	100.06	41.31
		For Flat Oval, Add	*4.68*	
		For Work In Restricted Working Space, Add	*20.66*	
23 31 13 13-0445	LF	32" x 40", 22 Gauge Galvanized Steel Duct	102.93	42.50
		For Flat Oval, Add	*4.82*	
		For Work In Restricted Working Space, Add	*21.25*	
23 31 13 13-0446	LF	32" x 42", 22 Gauge Galvanized Steel Duct	105.78	43.67
		For Flat Oval, Add	*4.95*	
		For Work In Restricted Working Space, Add	*21.84*	
23 31 13 13-0447	LF	32" x 44", 22 Gauge Galvanized Steel Duct	108.64	44.86
		For Flat Oval, Add	*5.08*	
		For Work In Restricted Working Space, Add	*22.43*	
23 31 13 13-0448	LF	32" x 46", 22 Gauge Galvanized Steel Duct	111.50	46.04
		For Flat Oval, Add	*5.22*	
		For Work In Restricted Working Space, Add	*23.02*	
23 31 13 13-0449	LF	32" x 48", 22 Gauge Galvanized Steel Duct	114.36	47.22
		For Flat Oval, Add	*5.35*	
		For Work In Restricted Working Space, Add	*23.61*	
23 31 13 13-0450	LF	34" x 34", 22 Gauge Galvanized Steel Duct	97.20	40.13
		For Flat Oval, Add	*4.55*	
		For Work In Restricted Working Space, Add	*20.07*	
23 31 13 13-0451	LF	34" x 36", 22 Gauge Galvanized Steel Duct	100.06	41.31
		For Flat Oval, Add	*4.68*	
		For Work In Restricted Working Space, Add	*20.66*	
23 31 13 13-0452	LF	34" x 38", 22 Gauge Galvanized Steel Duct	102.93	42.50
		For Flat Oval, Add	*4.82*	
		For Work In Restricted Working Space, Add	*21.25*	
23 31 13 13-0453	LF	34" x 40", 22 Gauge Galvanized Steel Duct	105.78	43.67
		For Flat Oval, Add	*4.95*	
		For Work In Restricted Working Space, Add	*21.84*	
23 31 13 13-0454	LF	34" x 42", 22 Gauge Galvanized Steel Duct	108.64	44.86
		For Flat Oval, Add	*5.08*	
		For Work In Restricted Working Space, Add	*22.43*	
23 31 13 13-0455	LF	34" x 44", 22 Gauge Galvanized Steel Duct	111.50	46.04
		For Flat Oval, Add	*5.22*	
		For Work In Restricted Working Space, Add	*23.02*	
23 31 13 13-0456	LF	34" x 46", 22 Gauge Galvanized Steel Duct	114.36	47.22
		For Flat Oval, Add	*5.35*	
		For Work In Restricted Working Space, Add	*23.61*	
23 31 13 13-0457	LF	34" x 48", 22 Gauge Galvanized Steel Duct	117.21	48.40
		For Flat Oval, Add	*5.48*	
		For Work In Restricted Working Space, Add	*24.20*	
23 31 13 13-0458	LF	36" x 36", 22 Gauge Galvanized Steel Duct	102.93	42.50
		For Flat Oval, Add	*4.82*	
		For Work In Restricted Working Space, Add	*21.25*	
23 31 13 13-0459	LF	36" x 38", 22 Gauge Galvanized Steel Duct	105.78	43.67
		For Flat Oval, Add	*4.95*	
		For Work In Restricted Working Space, Add	*21.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0460	LF	36" x 40", 22 Gauge Galvanized Steel Duct	108.64	44.86
		For Flat Oval, Add	*5.08*	
		For Work In Restricted Working Space, Add	*22.43*	
23 31 13 13-0461	LF	36" x 42", 22 Gauge Galvanized Steel Duct	111.50	46.04
		For Flat Oval, Add	*5.22*	
		For Work In Restricted Working Space, Add	*23.02*	
23 31 13 13-0462	LF	36" x 44", 22 Gauge Galvanized Steel Duct	114.36	47.22
		For Flat Oval, Add	*5.35*	
		For Work In Restricted Working Space, Add	*23.61*	
23 31 13 13-0463	LF	36" x 46", 22 Gauge Galvanized Steel Duct	117.21	48.40
		For Flat Oval, Add	*5.48*	
		For Work In Restricted Working Space, Add	*24.20*	
23 31 13 13-0464	LF	36" x 48", 22 Gauge Galvanized Steel Duct	120.07	49.59
		For Flat Oval, Add	*5.62*	
		For Work In Restricted Working Space, Add	*24.79*	
23 31 13 13-0465	LF	38" x 38", 22 Gauge Galvanized Steel Duct	108.64	44.86
		For Flat Oval, Add	*5.08*	
		For Work In Restricted Working Space, Add	*22.43*	
23 31 13 13-0466	LF	38" x 40", 22 Gauge Galvanized Steel Duct	111.50	46.04
		For Flat Oval, Add	*5.22*	
		For Work In Restricted Working Space, Add	*23.02*	
23 31 13 13-0467	LF	38" x 42", 22 Gauge Galvanized Steel Duct	114.36	47.22
		For Flat Oval, Add	*5.35*	
		For Work In Restricted Working Space, Add	*23.61*	
23 31 13 13-0468	LF	38" x 44", 22 Gauge Galvanized Steel Duct	117.21	48.40
		For Flat Oval, Add	*5.48*	
		For Work In Restricted Working Space, Add	*24.20*	
23 31 13 13-0469	LF	38" x 46", 22 Gauge Galvanized Steel Duct	120.07	49.59
		For Flat Oval, Add	*5.62*	
		For Work In Restricted Working Space, Add	*24.79*	
23 31 13 13-0470	LF	38" x 48", 22 Gauge Galvanized Steel Duct	122.94	50.75
		For Flat Oval, Add	*5.75*	
		For Work In Restricted Working Space, Add	*25.38*	
23 31 13 13-0471	LF	38" x 50", 22 Gauge Galvanized Steel Duct	125.79	51.94
		For Flat Oval, Add	*5.88*	
		For Work In Restricted Working Space, Add	*25.97*	
23 31 13 13-0472	LF	40" x 40", 22 Gauge Galvanized Steel Duct	114.36	47.22
		For Flat Oval, Add	*5.35*	
		For Work In Restricted Working Space, Add	*23.61*	
23 31 13 13-0473	LF	40" x 42", 22 Gauge Galvanized Steel Duct	117.21	48.40
		For Flat Oval, Add	*5.48*	
		For Work In Restricted Working Space, Add	*24.20*	
23 31 13 13-0474	LF	40" x 44", 22 Gauge Galvanized Steel Duct	120.07	49.59
		For Flat Oval, Add	*5.62*	
		For Work In Restricted Working Space, Add	*24.79*	
23 31 13 13-0475	LF	40" x 46", 22 Gauge Galvanized Steel Duct	122.94	50.75
		For Flat Oval, Add	*5.75*	
		For Work In Restricted Working Space, Add	*25.38*	
23 31 13 13-0476	LF	40" x 48", 22 Gauge Galvanized Steel Duct	125.79	51.94
		For Flat Oval, Add	*5.88*	
		For Work In Restricted Working Space, Add	*25.97*	
23 31 13 13-0477	LF	40" x 50", 22 Gauge Galvanized Steel Duct	128.66	53.12
		For Flat Oval, Add	*6.02*	
		For Work In Restricted Working Space, Add	*26.56*	
23 31 13 13-0478	LF	40" x 52", 22 Gauge Galvanized Steel Duct	131.50	54.30
		For Flat Oval, Add	*6.15*	
		For Work In Restricted Working Space, Add	*27.15*	
23 31 13 13-0479	LF	40" x 54", 22 Gauge Galvanized Steel Duct	134.37	55.48
		For Flat Oval, Add	*6.29*	
		For Work In Restricted Working Space, Add	*27.74*	
23 31 13 13-0480	LF	42" x 42", 22 Gauge Galvanized Steel Duct	120.07	49.59
		For Flat Oval, Add	*5.62*	
		For Work In Restricted Working Space, Add	*24.79*	
23 31 13 13-0481	LF	42" x 44", 22 Gauge Galvanized Steel Duct	122.94	50.75
		For Flat Oval, Add	*5.75*	
		For Work In Restricted Working Space, Add	*25.38*	
23 31 13 13-0482	LF	42" x 46", 22 Gauge Galvanized Steel Duct	125.79	51.94
		For Flat Oval, Add	*5.88*	
		For Work In Restricted Working Space, Add	*25.97*	
23 31 13 13-0483	LF	42" x 48", 22 Gauge Galvanized Steel Duct	128.66	53.12
		For Flat Oval, Add	*6.02*	
		For Work In Restricted Working Space, Add	*26.56*	
23 31 13 13-0484	LF	42" x 50", 22 Gauge Galvanized Steel Duct	131.50	54.30
		For Flat Oval, Add	*6.15*	
		For Work In Restricted Working Space, Add	*27.15*	
23 31 13 13-0485	LF	42" x 52", 22 Gauge Galvanized Steel Duct	134.37	55.48
		For Flat Oval, Add	*6.29*	
		For Work In Restricted Working Space, Add	*27.74*	
23 31 13 13-0486	LF	42" x 54", 22 Gauge Galvanized Steel Duct	137.22	56.66
		For Flat Oval, Add	*6.42*	
		For Work In Restricted Working Space, Add	*28.33*	
23 31 13 13-0487	LF	44" x 44", 22 Gauge Galvanized Steel Duct	125.79	51.94
		For Flat Oval, Add	*5.88*	
		For Work In Restricted Working Space, Add	*25.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0488	LF	44" x 46", 22 Gauge Galvanized Steel Duct	128.66	53.12
		For Flat Oval, Add	*6.02*	
		For Work In Restricted Working Space, Add	*26.56*	
23 31 13 13-0489	LF	44" x 48", 22 Gauge Galvanized Steel Duct	131.50	54.30
		For Flat Oval, Add	*6.15*	
		For Work In Restricted Working Space, Add	*27.15*	
23 31 13 13-0490	LF	44" x 50", 22 Gauge Galvanized Steel Duct	134.37	55.48
		For Flat Oval, Add	*6.29*	
		For Work In Restricted Working Space, Add	*27.74*	
23 31 13 13-0491	LF	44" x 52", 22 Gauge Galvanized Steel Duct	137.22	56.66
		For Flat Oval, Add	*6.42*	
		For Work In Restricted Working Space, Add	*28.33*	
23 31 13 13-0492	LF	44" x 54", 22 Gauge Galvanized Steel Duct	140.10	57.84
		For Flat Oval, Add	*6.55*	
		For Work In Restricted Working Space, Add	*28.92*	
23 31 13 13-0493	LF	46" x 46", 22 Gauge Galvanized Steel Duct	131.50	54.30
		For Flat Oval, Add	*6.15*	
		For Work In Restricted Working Space, Add	*27.15*	
23 31 13 13-0494	LF	46" x 48", 22 Gauge Galvanized Steel Duct	134.37	55.48
		For Flat Oval, Add	*6.29*	
		For Work In Restricted Working Space, Add	*27.74*	
23 31 13 13-0495	LF	46" x 50", 22 Gauge Galvanized Steel Duct	137.22	56.66
		For Flat Oval, Add	*6.42*	
		For Work In Restricted Working Space, Add	*28.33*	
23 31 13 13-0496	LF	46" x 52", 22 Gauge Galvanized Steel Duct	140.10	57.84
		For Flat Oval, Add	*6.55*	
		For Work In Restricted Working Space, Add	*28.92*	
23 31 13 13-0497	LF	46" x 54", 22 Gauge Galvanized Steel Duct	142.94	59.02
		For Flat Oval, Add	*6.69*	
		For Work In Restricted Working Space, Add	*29.51*	
23 31 13 13-0498	LF	48" x 48", 22 Gauge Galvanized Steel Duct	137.22	56.66
		For Flat Oval, Add	*6.42*	
		For Work In Restricted Working Space, Add	*28.33*	
23 31 13 13-0499	LF	48" x 50", 22 Gauge Galvanized Steel Duct	140.10	57.84
		For Flat Oval, Add	*6.55*	
		For Work In Restricted Working Space, Add	*28.92*	
23 31 13 13-0500	LF	48" x 52", 22 Gauge Galvanized Steel Duct	142.94	59.02
		For Flat Oval, Add	*6.69*	
		For Work In Restricted Working Space, Add	*29.51*	
23 31 13 13-0501	LF	48" x 54", 22 Gauge Galvanized Steel Duct	145.81	60.21
		For Flat Oval, Add	*6.82*	
		For Work In Restricted Working Space, Add	*30.10*	
23 31 13 13-0502	LF	50" x 50", 22 Gauge Galvanized Steel Duct	142.94	59.02
		For Flat Oval, Add	*6.69*	
		For Work In Restricted Working Space, Add	*29.51*	
23 31 13 13-0503	LF	50" x 52", 22 Gauge Galvanized Steel Duct	145.81	60.21
		For Flat Oval, Add	*6.82*	
		For Work In Restricted Working Space, Add	*30.10*	
23 31 13 13-0504	LF	50" x 54", 22 Gauge Galvanized Steel Duct	148.67	61.38
		For Flat Oval, Add	*6.95*	
		For Work In Restricted Working Space, Add	*30.69*	
23 31 13 13-0505	LF	52" x 52", 22 Gauge Galvanized Steel Duct	148.67	61.38
		For Flat Oval, Add	*6.95*	
		For Work In Restricted Working Space, Add	*30.69*	
23 31 13 13-0506	LF	52" x 54", 22 Gauge Galvanized Steel Duct	151.52	62.57
		For Flat Oval, Add	*7.09*	
		For Work In Restricted Working Space, Add	*31.28*	
23 31 13 13-0507	LF	54" x 54", 22 Gauge Galvanized Steel Duct	154.38	63.75
		For Flat Oval, Add	*7.22*	
		For Work In Restricted Working Space, Add	*31.87*	

23 31 13 13-0508 20 Gauge Galvanized Steel Duct *(23 31 13 13-0009)*

23 31 13 13-0509	LF	4" x 4", 20 Gauge Galvanized Steel Duct	13.46	5.56
		For Flat Oval, Add	*0.63*	
		For Work In Restricted Working Space, Add	*2.78*	
23 31 13 13-0510	LF	4" x 6", 20 Gauge Galvanized Steel Duct	16.84	6.95
		For Flat Oval, Add	*0.79*	
		For Work In Restricted Working Space, Add	*3.48*	
23 31 13 13-0511	LF	4" x 8", 20 Gauge Galvanized Steel Duct	20.22	8.34
		For Flat Oval, Add	*0.95*	
		For Work In Restricted Working Space, Add	*4.17*	
23 31 13 13-0512	LF	4" x 10", 20 Gauge Galvanized Steel Duct	23.56	9.74
		For Flat Oval, Add	*1.10*	
		For Work In Restricted Working Space, Add	*4.87*	
23 31 13 13-0513	LF	4" x 12", 20 Gauge Galvanized Steel Duct	26.93	11.13
		For Flat Oval, Add	*1.26*	
		For Work In Restricted Working Space, Add	*5.56*	
23 31 13 13-0514	LF	4" x 14", 20 Gauge Galvanized Steel Duct	30.31	12.52
		For Flat Oval, Add	*1.42*	
		For Work In Restricted Working Space, Add	*6.26*	
23 31 13 13-0515	LF	4" x 16", 20 Gauge Galvanized Steel Duct	33.67	13.91
		For Flat Oval, Add	*1.58*	
		For Work In Restricted Working Space, Add	*6.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0516	LF	6" x 6", 20 Gauge Galvanized Steel Duct	20.22	8.34
		For Flat Oval, Add	*0.95*	
		For Work In Restricted Working Space, Add	*4.17*	
23 31 13 13-0517	LF	6" x 8", 20 Gauge Galvanized Steel Duct	23.56	9.74
		For Flat Oval, Add	*1.10*	
		For Work In Restricted Working Space, Add	*4.87*	
23 31 13 13-0518	LF	6" x 10", 20 Gauge Galvanized Steel Duct	26.93	11.13
		For Flat Oval, Add	*1.26*	
		For Work In Restricted Working Space, Add	*5.56*	
23 31 13 13-0519	LF	6" x 12", 20 Gauge Galvanized Steel Duct	30.31	12.52
		For Flat Oval, Add	*1.42*	
		For Work In Restricted Working Space, Add	*6.26*	
23 31 13 13-0520	LF	6" x 14", 20 Gauge Galvanized Steel Duct	33.67	13.91
		For Flat Oval, Add	*1.58*	
		For Work In Restricted Working Space, Add	*6.95*	
23 31 13 13-0521	LF	6" x 16", 20 Gauge Galvanized Steel Duct	37.04	15.29
		For Flat Oval, Add	*1.73*	
		For Work In Restricted Working Space, Add	*7.65*	
23 31 13 13-0522	LF	8" x 8", 20 Gauge Galvanized Steel Duct	26.93	11.13
		For Flat Oval, Add	*1.26*	
		For Work In Restricted Working Space, Add	*5.56*	
23 31 13 13-0523	LF	8" x 10", 20 Gauge Galvanized Steel Duct	30.31	12.52
		For Flat Oval, Add	*1.42*	
		For Work In Restricted Working Space, Add	*6.26*	
23 31 13 13-0524	LF	8" x 12", 20 Gauge Galvanized Steel Duct	33.67	13.91
		For Flat Oval, Add	*1.58*	
		For Work In Restricted Working Space, Add	*6.95*	
23 31 13 13-0525	LF	8" x 14", 20 Gauge Galvanized Steel Duct	37.04	15.29
		For Flat Oval, Add	*1.73*	
		For Work In Restricted Working Space, Add	*7.65*	
23 31 13 13-0526	LF	8" x 16", 20 Gauge Galvanized Steel Duct	40.40	16.68
		For Flat Oval, Add	*1.89*	
		For Work In Restricted Working Space, Add	*8.34*	
23 31 13 13-0527	LF	8" x 18", 20 Gauge Galvanized Steel Duct	43.77	18.07
		For Flat Oval, Add	*2.05*	
		For Work In Restricted Working Space, Add	*9.04*	
23 31 13 13-0528	LF	8" x 20", 20 Gauge Galvanized Steel Duct	47.15	19.46
		For Flat Oval, Add	*2.21*	
		For Work In Restricted Working Space, Add	*9.73*	
23 31 13 13-0529	LF	8" x 22", 20 Gauge Galvanized Steel Duct	50.51	20.85
		For Flat Oval, Add	*2.36*	
		For Work In Restricted Working Space, Add	*10.43*	
23 31 13 13-0530	LF	8" x 24", 20 Gauge Galvanized Steel Duct	53.88	22.24
		For Flat Oval, Add	*2.52*	
		For Work In Restricted Working Space, Add	*11.12*	
23 31 13 13-0531	LF	10" x 10", 20 Gauge Galvanized Steel Duct	33.67	13.91
		For Flat Oval, Add	*1.58*	
		For Work In Restricted Working Space, Add	*6.95*	
23 31 13 13-0532	LF	10" x 12", 20 Gauge Galvanized Steel Duct	37.04	15.29
		For Flat Oval, Add	*1.73*	
		For Work In Restricted Working Space, Add	*7.65*	
23 31 13 13-0533	LF	10" x 14", 20 Gauge Galvanized Steel Duct	40.40	16.68
		For Flat Oval, Add	*1.89*	
		For Work In Restricted Working Space, Add	*8.34*	
23 31 13 13-0534	LF	10" x 16", 20 Gauge Galvanized Steel Duct	43.77	18.07
		For Flat Oval, Add	*2.05*	
		For Work In Restricted Working Space, Add	*9.04*	
23 31 13 13-0535	LF	10" x 18", 20 Gauge Galvanized Steel Duct	47.15	19.46
		For Flat Oval, Add	*2.21*	
		For Work In Restricted Working Space, Add	*9.73*	
23 31 13 13-0536	LF	10" x 20", 20 Gauge Galvanized Steel Duct	50.51	20.85
		For Flat Oval, Add	*2.36*	
		For Work In Restricted Working Space, Add	*10.43*	
23 31 13 13-0537	LF	10" x 22", 20 Gauge Galvanized Steel Duct	53.88	22.24
		For Flat Oval, Add	*2.52*	
		For Work In Restricted Working Space, Add	*11.12*	
23 31 13 13-0538	LF	10" x 24", 20 Gauge Galvanized Steel Duct	57.26	23.63
		For Flat Oval, Add	*2.68*	
		For Work In Restricted Working Space, Add	*11.82*	
23 31 13 13-0539	LF	10" x 26", 20 Gauge Galvanized Steel Duct	60.61	25.02
		For Flat Oval, Add	*2.84*	
		For Work In Restricted Working Space, Add	*12.51*	
23 31 13 13-0540	LF	10" x 28", 20 Gauge Galvanized Steel Duct	63.98	26.42
		For Flat Oval, Add	*2.99*	
		For Work In Restricted Working Space, Add	*13.21*	
23 31 13 13-0541	LF	10" x 30", 20 Gauge Galvanized Steel Duct	67.33	27.81
		For Flat Oval, Add	*3.15*	
		For Work In Restricted Working Space, Add	*13.90*	
23 31 13 13-0542	LF	10" x 32", 20 Gauge Galvanized Steel Duct	70.71	29.20
		For Flat Oval, Add	*3.31*	
		For Work In Restricted Working Space, Add	*14.60*	
23 31 13 13-0543	LF	12" x 12", 20 Gauge Galvanized Steel Duct	40.40	16.68
		For Flat Oval, Add	*1.89*	
		For Work In Restricted Working Space, Add	*8.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0544	LF	12" x 14", 20 Gauge Galvanized Steel Duct	43.77	18.07
		For Flat Oval, Add	*2.05*	
		For Work In Restricted Working Space, Add	*9.04*	
23 31 13 13-0545	LF	12" x 16", 20 Gauge Galvanized Steel Duct	47.15	19.46
		For Flat Oval, Add	*2.21*	
		For Work In Restricted Working Space, Add	*9.73*	
23 31 13 13-0546	LF	12" x 18", 20 Gauge Galvanized Steel Duct	50.51	20.85
		For Flat Oval, Add	*2.36*	
		For Work In Restricted Working Space, Add	*10.43*	
23 31 13 13-0547	LF	12" x 20", 20 Gauge Galvanized Steel Duct	53.88	22.24
		For Flat Oval, Add	*2.52*	
		For Work In Restricted Working Space, Add	*11.12*	
23 31 13 13-0548	LF	12" x 22", 20 Gauge Galvanized Steel Duct	57.26	23.63
		For Flat Oval, Add	*2.68*	
		For Work In Restricted Working Space, Add	*11.82*	
23 31 13 13-0549	LF	12" x 24", 20 Gauge Galvanized Steel Duct	60.61	25.02
		For Flat Oval, Add	*2.84*	
		For Work In Restricted Working Space, Add	*12.51*	
23 31 13 13-0550	LF	12" x 26", 20 Gauge Galvanized Steel Duct	63.98	26.42
		For Flat Oval, Add	*2.99*	
		For Work In Restricted Working Space, Add	*13.21*	
23 31 13 13-0551	LF	12" x 28", 20 Gauge Galvanized Steel Duct	67.33	27.81
		For Flat Oval, Add	*3.15*	
		For Work In Restricted Working Space, Add	*13.90*	
23 31 13 13-0552	LF	12" x 30", 20 Gauge Galvanized Steel Duct	70.71	29.20
		For Flat Oval, Add	*3.31*	
		For Work In Restricted Working Space, Add	*14.60*	
23 31 13 13-0553	LF	12" x 32", 20 Gauge Galvanized Steel Duct	74.09	30.59
		For Flat Oval, Add	*3.47*	
		For Work In Restricted Working Space, Add	*15.29*	
23 31 13 13-0554	LF	12" x 34", 20 Gauge Galvanized Steel Duct	77.44	31.98
		For Flat Oval, Add	*3.62*	
		For Work In Restricted Working Space, Add	*15.99*	
23 31 13 13-0555	LF	12" x 36", 20 Gauge Galvanized Steel Duct	80.81	33.37
		For Flat Oval, Add	*3.78*	
		For Work In Restricted Working Space, Add	*16.68*	
23 31 13 13-0556	LF	14" x 14", 20 Gauge Galvanized Steel Duct	47.15	19.46
		For Flat Oval, Add	*2.21*	
		For Work In Restricted Working Space, Add	*9.73*	
23 31 13 13-0557	LF	14" x 16", 20 Gauge Galvanized Steel Duct	50.51	20.85
		For Flat Oval, Add	*2.36*	
		For Work In Restricted Working Space, Add	*10.43*	
23 31 13 13-0558	LF	14" x 18", 20 Gauge Galvanized Steel Duct	53.88	22.24
		For Flat Oval, Add	*2.52*	
		For Work In Restricted Working Space, Add	*11.12*	
23 31 13 13-0559	LF	14" x 20", 20 Gauge Galvanized Steel Duct	57.26	23.63
		For Flat Oval, Add	*2.68*	
		For Work In Restricted Working Space, Add	*11.82*	
23 31 13 13-0560	LF	14" x 22", 20 Gauge Galvanized Steel Duct	60.61	25.02
		For Flat Oval, Add	*2.84*	
		For Work In Restricted Working Space, Add	*12.51*	
23 31 13 13-0561	LF	14" x 24", 20 Gauge Galvanized Steel Duct	63.98	26.42
		For Flat Oval, Add	*2.99*	
		For Work In Restricted Working Space, Add	*13.21*	
23 31 13 13-0562	LF	14" x 26", 20 Gauge Galvanized Steel Duct	67.33	27.81
		For Flat Oval, Add	*3.15*	
		For Work In Restricted Working Space, Add	*13.90*	
23 31 13 13-0563	LF	14" x 28", 20 Gauge Galvanized Steel Duct	70.71	29.20
		For Flat Oval, Add	*3.31*	
		For Work In Restricted Working Space, Add	*14.60*	
23 31 13 13-0564	LF	14" x 30", 20 Gauge Galvanized Steel Duct	74.09	30.59
		For Flat Oval, Add	*3.47*	
		For Work In Restricted Working Space, Add	*15.29*	
23 31 13 13-0565	LF	14" x 32", 20 Gauge Galvanized Steel Duct	77.44	31.98
		For Flat Oval, Add	*3.62*	
		For Work In Restricted Working Space, Add	*15.99*	
23 31 13 13-0566	LF	14" x 34", 20 Gauge Galvanized Steel Duct	80.81	33.37
		For Flat Oval, Add	*3.78*	
		For Work In Restricted Working Space, Add	*16.68*	
23 31 13 13-0567	LF	14" x 36", 20 Gauge Galvanized Steel Duct	84.17	34.76
		For Flat Oval, Add	*3.94*	
		For Work In Restricted Working Space, Add	*17.38*	
23 31 13 13-0568	LF	16" x 16", 20 Gauge Galvanized Steel Duct	53.88	22.24
		For Flat Oval, Add	*2.52*	
		For Work In Restricted Working Space, Add	*11.12*	
23 31 13 13-0569	LF	16" x 18", 20 Gauge Galvanized Steel Duct	57.26	23.63
		For Flat Oval, Add	*2.68*	
		For Work In Restricted Working Space, Add	*11.82*	
23 31 13 13-0570	LF	16" x 20", 20 Gauge Galvanized Steel Duct	60.61	25.02
		For Flat Oval, Add	*2.84*	
		For Work In Restricted Working Space, Add	*12.51*	
23 31 13 13-0571	LF	16" x 22", 20 Gauge Galvanized Steel Duct	63.98	26.42
		For Flat Oval, Add	*2.99*	
		For Work In Restricted Working Space, Add	*13.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0572	LF	16" x 24", 20 Gauge Galvanized Steel Duct	67.33	27.81
		For Flat Oval, Add	*3.15*	
		For Work In Restricted Working Space, Add	*13.90*	
23 31 13 13-0573	LF	16" x 26", 20 Gauge Galvanized Steel Duct	70.71	29.20
		For Flat Oval, Add	*3.31*	
		For Work In Restricted Working Space, Add	*14.60*	
23 31 13 13-0574	LF	16" x 28", 20 Gauge Galvanized Steel Duct	74.09	30.59
		For Flat Oval, Add	*3.47*	
		For Work In Restricted Working Space, Add	*15.29*	
23 31 13 13-0575	LF	16" x 30", 20 Gauge Galvanized Steel Duct	77.44	31.98
		For Flat Oval, Add	*3.62*	
		For Work In Restricted Working Space, Add	*15.99*	
23 31 13 13-0576	LF	16" x 32", 20 Gauge Galvanized Steel Duct	80.81	33.37
		For Flat Oval, Add	*3.78*	
		For Work In Restricted Working Space, Add	*16.68*	
23 31 13 13-0577	LF	16" x 34", 20 Gauge Galvanized Steel Duct	84.17	34.76
		For Flat Oval, Add	*3.94*	
		For Work In Restricted Working Space, Add	*17.38*	
23 31 13 13-0578	LF	16" x 36", 20 Gauge Galvanized Steel Duct	87.55	36.15
		For Flat Oval, Add	*4.10*	
		For Work In Restricted Working Space, Add	*18.08*	
23 31 13 13-0579	LF	16" x 38", 20 Gauge Galvanized Steel Duct	90.93	37.54
		For Flat Oval, Add	*4.25*	
		For Work In Restricted Working Space, Add	*18.77*	
23 31 13 13-0580	LF	16" x 40", 20 Gauge Galvanized Steel Duct	94.28	38.93
		For Flat Oval, Add	*4.41*	
		For Work In Restricted Working Space, Add	*19.46*	
23 31 13 13-0581	LF	16" x 42", 20 Gauge Galvanized Steel Duct	97.65	40.32
		For Flat Oval, Add	*4.57*	
		For Work In Restricted Working Space, Add	*20.16*	
23 31 13 13-0582	LF	16" x 44", 20 Gauge Galvanized Steel Duct	101.03	41.71
		For Flat Oval, Add	*4.73*	
		For Work In Restricted Working Space, Add	*20.86*	
23 31 13 13-0583	LF	18" x 18", 20 Gauge Galvanized Steel Duct	60.61	25.02
		For Flat Oval, Add	*2.84*	
		For Work In Restricted Working Space, Add	*12.51*	
23 31 13 13-0584	LF	18" x 20", 20 Gauge Galvanized Steel Duct	63.98	26.42
		For Flat Oval, Add	*2.99*	
		For Work In Restricted Working Space, Add	*13.21*	
23 31 13 13-0585	LF	18" x 22", 20 Gauge Galvanized Steel Duct	67.33	27.81
		For Flat Oval, Add	*3.15*	
		For Work In Restricted Working Space, Add	*13.90*	
23 31 13 13-0586	LF	18" x 24", 20 Gauge Galvanized Steel Duct	70.71	29.20
		For Flat Oval, Add	*3.31*	
		For Work In Restricted Working Space, Add	*14.60*	
23 31 13 13-0587	LF	18" x 26", 20 Gauge Galvanized Steel Duct	74.09	30.59
		For Flat Oval, Add	*3.47*	
		For Work In Restricted Working Space, Add	*15.29*	
23 31 13 13-0588	LF	18" x 28", 20 Gauge Galvanized Steel Duct	77.44	31.98
		For Flat Oval, Add	*3.62*	
		For Work In Restricted Working Space, Add	*15.99*	
23 31 13 13-0589	LF	18" x 30", 20 Gauge Galvanized Steel Duct	80.81	33.37
		For Flat Oval, Add	*3.78*	
		For Work In Restricted Working Space, Add	*16.68*	
23 31 13 13-0590	LF	18" x 32", 20 Gauge Galvanized Steel Duct	84.17	34.76
		For Flat Oval, Add	*3.94*	
		For Work In Restricted Working Space, Add	*17.38*	
23 31 13 13-0591	LF	18" x 34", 20 Gauge Galvanized Steel Duct	87.55	36.15
		For Flat Oval, Add	*4.10*	
		For Work In Restricted Working Space, Add	*18.08*	
23 31 13 13-0592	LF	18" x 36", 20 Gauge Galvanized Steel Duct	90.93	37.54
		For Flat Oval, Add	*4.25*	
		For Work In Restricted Working Space, Add	*18.77*	
23 31 13 13-0593	LF	18" x 38", 20 Gauge Galvanized Steel Duct	94.28	38.93
		For Flat Oval, Add	*4.41*	
		For Work In Restricted Working Space, Add	*19.46*	
23 31 13 13-0594	LF	18" x 40", 20 Gauge Galvanized Steel Duct	97.65	40.32
		For Flat Oval, Add	*4.57*	
		For Work In Restricted Working Space, Add	*20.16*	
23 31 13 13-0595	LF	18" x 42", 20 Gauge Galvanized Steel Duct	101.03	41.71
		For Flat Oval, Add	*4.73*	
		For Work In Restricted Working Space, Add	*20.86*	
23 31 13 13-0596	LF	18" x 44", 20 Gauge Galvanized Steel Duct	104.39	43.11
		For Flat Oval, Add	*4.88*	
		For Work In Restricted Working Space, Add	*21.55*	
23 31 13 13-0597	LF	18" x 46", 20 Gauge Galvanized Steel Duct	107.76	44.49
		For Flat Oval, Add	*5.04*	
		For Work In Restricted Working Space, Add	*22.25*	
23 31 13 13-0598	LF	20" x 20", 20 Gauge Galvanized Steel Duct	67.33	27.81
		For Flat Oval, Add	*3.15*	
		For Work In Restricted Working Space, Add	*13.90*	
23 31 13 13-0599	LF	20" x 22", 20 Gauge Galvanized Steel Duct	70.71	29.20
		For Flat Oval, Add	*3.31*	
		For Work In Restricted Working Space, Add	*14.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0600	LF	20" x 24", 20 Gauge Galvanized Steel Duct	74.09	30.59
		For Flat Oval, Add	*3.47*	
		For Work In Restricted Working Space, Add	*15.29*	
23 31 13 13-0601	LF	20" x 26", 20 Gauge Galvanized Steel Duct	77.44	31.98
		For Flat Oval, Add	*3.62*	
		For Work In Restricted Working Space, Add	*15.99*	
23 31 13 13-0602	LF	20" x 28", 20 Gauge Galvanized Steel Duct	80.81	33.37
		For Flat Oval, Add	*3.78*	
		For Work In Restricted Working Space, Add	*16.68*	
23 31 13 13-0603	LF	20" x 30", 20 Gauge Galvanized Steel Duct	84.17	34.76
		For Flat Oval, Add	*3.94*	
		For Work In Restricted Working Space, Add	*17.38*	
23 31 13 13-0604	LF	20" x 32", 20 Gauge Galvanized Steel Duct	87.55	36.15
		For Flat Oval, Add	*4.10*	
		For Work In Restricted Working Space, Add	*18.08*	
23 31 13 13-0605	LF	20" x 34", 20 Gauge Galvanized Steel Duct	90.93	37.54
		For Flat Oval, Add	*4.25*	
		For Work In Restricted Working Space, Add	*18.77*	
23 31 13 13-0606	LF	20" x 36", 20 Gauge Galvanized Steel Duct	94.28	38.93
		For Flat Oval, Add	*4.41*	
		For Work In Restricted Working Space, Add	*19.46*	
23 31 13 13-0607	LF	20" x 38", 20 Gauge Galvanized Steel Duct	97.65	40.32
		For Flat Oval, Add	*4.57*	
		For Work In Restricted Working Space, Add	*20.16*	
23 31 13 13-0608	LF	20" x 40", 20 Gauge Galvanized Steel Duct	101.03	41.71
		For Flat Oval, Add	*4.73*	
		For Work In Restricted Working Space, Add	*20.86*	
23 31 13 13-0609	LF	20" x 42", 20 Gauge Galvanized Steel Duct	104.39	43.11
		For Flat Oval, Add	*4.88*	
		For Work In Restricted Working Space, Add	*21.55*	
23 31 13 13-0610	LF	20" x 44", 20 Gauge Galvanized Steel Duct	107.76	44.49
		For Flat Oval, Add	*5.04*	
		For Work In Restricted Working Space, Add	*22.25*	
23 31 13 13-0611	LF	20" x 46", 20 Gauge Galvanized Steel Duct	111.10	45.88
		For Flat Oval, Add	*5.20*	
		For Work In Restricted Working Space, Add	*22.94*	
23 31 13 13-0612	LF	20" x 48", 20 Gauge Galvanized Steel Duct	114.48	47.27
		For Flat Oval, Add	*5.36*	
		For Work In Restricted Working Space, Add	*23.63*	
23 31 13 13-0613	LF	22" x 22", 20 Gauge Galvanized Steel Duct	74.09	30.59
		For Flat Oval, Add	*3.47*	
		For Work In Restricted Working Space, Add	*15.29*	
23 31 13 13-0614	LF	22" x 24", 20 Gauge Galvanized Steel Duct	77.44	31.98
		For Flat Oval, Add	*3.62*	
		For Work In Restricted Working Space, Add	*15.99*	
23 31 13 13-0615	LF	22" x 26", 20 Gauge Galvanized Steel Duct	80.81	33.37
		For Flat Oval, Add	*3.78*	
		For Work In Restricted Working Space, Add	*16.68*	
23 31 13 13-0616	LF	22" x 28", 20 Gauge Galvanized Steel Duct	84.17	34.76
		For Flat Oval, Add	*3.94*	
		For Work In Restricted Working Space, Add	*17.38*	
23 31 13 13-0617	LF	22" x 30", 20 Gauge Galvanized Steel Duct	87.55	36.15
		For Flat Oval, Add	*4.10*	
		For Work In Restricted Working Space, Add	*18.08*	
23 31 13 13-0618	LF	22" x 32", 20 Gauge Galvanized Steel Duct	90.93	37.54
		For Flat Oval, Add	*4.25*	
		For Work In Restricted Working Space, Add	*18.77*	
23 31 13 13-0619	LF	22" x 34", 20 Gauge Galvanized Steel Duct	94.28	38.93
		For Flat Oval, Add	*4.41*	
		For Work In Restricted Working Space, Add	*19.46*	
23 31 13 13-0620	LF	22" x 36", 20 Gauge Galvanized Steel Duct	97.65	40.32
		For Flat Oval, Add	*4.57*	
		For Work In Restricted Working Space, Add	*20.16*	
23 31 13 13-0621	LF	22" x 38", 20 Gauge Galvanized Steel Duct	101.03	41.71
		For Flat Oval, Add	*4.73*	
		For Work In Restricted Working Space, Add	*20.86*	
23 31 13 13-0622	LF	22" x 40", 20 Gauge Galvanized Steel Duct	104.39	43.11
		For Flat Oval, Add	*4.88*	
		For Work In Restricted Working Space, Add	*21.55*	
23 31 13 13-0623	LF	22" x 42", 20 Gauge Galvanized Steel Duct	107.76	44.49
		For Flat Oval, Add	*5.04*	
		For Work In Restricted Working Space, Add	*22.25*	
23 31 13 13-0624	LF	22" x 44", 20 Gauge Galvanized Steel Duct	111.10	45.88
		For Flat Oval, Add	*5.20*	
		For Work In Restricted Working Space, Add	*22.94*	
23 31 13 13-0625	LF	22" x 46", 20 Gauge Galvanized Steel Duct	114.48	47.27
		For Flat Oval, Add	*5.36*	
		For Work In Restricted Working Space, Add	*23.63*	
23 31 13 13-0626	LF	22" x 48", 20 Gauge Galvanized Steel Duct	117.86	48.66
		For Flat Oval, Add	*5.51*	
		For Work In Restricted Working Space, Add	*24.33*	
23 31 13 13-0627	LF	24" x 24", 20 Gauge Galvanized Steel Duct	80.81	33.37
		For Flat Oval, Add	*3.78*	
		For Work In Restricted Working Space, Add	*16.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0628	LF	24" x 26", 20 Gauge Galvanized Steel Duct	84.17	34.76
		For Flat Oval, Add	*3.94*	
		For Work In Restricted Working Space, Add	*17.38*	
23 31 13 13-0629	LF	24" x 28", 20 Gauge Galvanized Steel Duct	87.55	36.15
		For Flat Oval, Add	*4.10*	
		For Work In Restricted Working Space, Add	*18.08*	
23 31 13 13-0630	LF	24" x 30", 20 Gauge Galvanized Steel Duct	90.93	37.54
		For Flat Oval, Add	*4.25*	
		For Work In Restricted Working Space, Add	*18.77*	
23 31 13 13-0631	LF	24" x 32", 20 Gauge Galvanized Steel Duct	94.28	38.93
		For Flat Oval, Add	*4.41*	
		For Work In Restricted Working Space, Add	*19.46*	
23 31 13 13-0632	LF	24" x 34", 20 Gauge Galvanized Steel Duct	97.65	40.32
		For Flat Oval, Add	*4.57*	
		For Work In Restricted Working Space, Add	*20.16*	
23 31 13 13-0633	LF	24" x 36", 20 Gauge Galvanized Steel Duct	101.03	41.71
		For Flat Oval, Add	*4.73*	
		For Work In Restricted Working Space, Add	*20.86*	
23 31 13 13-0634	LF	24" x 38", 20 Gauge Galvanized Steel Duct	104.39	43.11
		For Flat Oval, Add	*4.88*	
		For Work In Restricted Working Space, Add	*21.55*	
23 31 13 13-0635	LF	24" x 40", 20 Gauge Galvanized Steel Duct	107.76	44.49
		For Flat Oval, Add	*5.04*	
		For Work In Restricted Working Space, Add	*22.25*	
23 31 13 13-0636	LF	24" x 42", 20 Gauge Galvanized Steel Duct	111.10	45.88
		For Flat Oval, Add	*5.20*	
		For Work In Restricted Working Space, Add	*22.94*	
23 31 13 13-0637	LF	24" x 44", 20 Gauge Galvanized Steel Duct	114.48	47.27
		For Flat Oval, Add	*5.36*	
		For Work In Restricted Working Space, Add	*23.63*	
23 31 13 13-0638	LF	24" x 46", 20 Gauge Galvanized Steel Duct	117.86	48.66
		For Flat Oval, Add	*5.51*	
		For Work In Restricted Working Space, Add	*24.33*	
23 31 13 13-0639	LF	24" x 48", 20 Gauge Galvanized Steel Duct	121.22	50.05
		For Flat Oval, Add	*5.67*	
		For Work In Restricted Working Space, Add	*25.03*	
23 31 13 13-0640	LF	26" x 26", 20 Gauge Galvanized Steel Duct	87.55	36.15
		For Flat Oval, Add	*4.10*	
		For Work In Restricted Working Space, Add	*18.08*	
23 31 13 13-0641	LF	26" x 28", 20 Gauge Galvanized Steel Duct	90.93	37.54
		For Flat Oval, Add	*4.25*	
		For Work In Restricted Working Space, Add	*18.77*	
23 31 13 13-0642	LF	26" x 30", 20 Gauge Galvanized Steel Duct	94.28	38.93
		For Flat Oval, Add	*4.41*	
		For Work In Restricted Working Space, Add	*19.46*	
23 31 13 13-0643	LF	26" x 32", 20 Gauge Galvanized Steel Duct	97.65	40.32
		For Flat Oval, Add	*4.57*	
		For Work In Restricted Working Space, Add	*20.16*	
23 31 13 13-0644	LF	26" x 34", 20 Gauge Galvanized Steel Duct	101.03	41.71
		For Flat Oval, Add	*4.73*	
		For Work In Restricted Working Space, Add	*20.86*	
23 31 13 13-0645	LF	26" x 36", 20 Gauge Galvanized Steel Duct	104.39	43.11
		For Flat Oval, Add	*4.88*	
		For Work In Restricted Working Space, Add	*21.55*	
23 31 13 13-0646	LF	26" x 38", 20 Gauge Galvanized Steel Duct	107.76	44.49
		For Flat Oval, Add	*5.04*	
		For Work In Restricted Working Space, Add	*22.25*	
23 31 13 13-0647	LF	26" x 40", 20 Gauge Galvanized Steel Duct	111.10	45.88
		For Flat Oval, Add	*5.20*	
		For Work In Restricted Working Space, Add	*22.94*	
23 31 13 13-0648	LF	26" x 42", 20 Gauge Galvanized Steel Duct	114.48	47.27
		For Flat Oval, Add	*5.36*	
		For Work In Restricted Working Space, Add	*23.63*	
23 31 13 13-0649	LF	26" x 44", 20 Gauge Galvanized Steel Duct	117.86	48.66
		For Flat Oval, Add	*5.51*	
		For Work In Restricted Working Space, Add	*24.33*	
23 31 13 13-0650	LF	26" x 46", 20 Gauge Galvanized Steel Duct	121.22	50.05
		For Flat Oval, Add	*5.67*	
		For Work In Restricted Working Space, Add	*25.03*	
23 31 13 13-0651	LF	26" x 48", 20 Gauge Galvanized Steel Duct	124.60	51.44
		For Flat Oval, Add	*5.83*	
		For Work In Restricted Working Space, Add	*25.72*	
23 31 13 13-0652	LF	28" x 28", 20 Gauge Galvanized Steel Duct	94.28	38.93
		For Flat Oval, Add	*4.41*	
		For Work In Restricted Working Space, Add	*19.46*	
23 31 13 13-0653	LF	28" x 30", 20 Gauge Galvanized Steel Duct	97.65	40.32
		For Flat Oval, Add	*4.57*	
		For Work In Restricted Working Space, Add	*20.16*	
23 31 13 13-0654	LF	28" x 32", 20 Gauge Galvanized Steel Duct	101.03	41.71
		For Flat Oval, Add	*4.73*	
		For Work In Restricted Working Space, Add	*20.86*	
23 31 13 13-0655	LF	28" x 34", 20 Gauge Galvanized Steel Duct	104.39	43.11
		For Flat Oval, Add	*4.88*	
		For Work In Restricted Working Space, Add	*21.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0656	LF	28" x 36", 20 Gauge Galvanized Steel Duct	107.76	44.49
		For Flat Oval, Add	*5.04*	
		For Work In Restricted Working Space, Add	*22.25*	
23 31 13 13-0657	LF	28" x 38", 20 Gauge Galvanized Steel Duct	111.10	45.88
		For Flat Oval, Add	*5.20*	
		For Work In Restricted Working Space, Add	*22.94*	
23 31 13 13-0658	LF	28" x 40", 20 Gauge Galvanized Steel Duct	114.48	47.27
		For Flat Oval, Add	*5.36*	
		For Work In Restricted Working Space, Add	*23.63*	
23 31 13 13-0659	LF	28" x 42", 20 Gauge Galvanized Steel Duct	117.86	48.66
		For Flat Oval, Add	*5.51*	
		For Work In Restricted Working Space, Add	*24.33*	
23 31 13 13-0660	LF	28" x 44", 20 Gauge Galvanized Steel Duct	121.22	50.05
		For Flat Oval, Add	*5.67*	
		For Work In Restricted Working Space, Add	*25.03*	
23 31 13 13-0661	LF	28" x 46", 20 Gauge Galvanized Steel Duct	124.60	51.44
		For Flat Oval, Add	*5.83*	
		For Work In Restricted Working Space, Add	*25.72*	
23 31 13 13-0662	LF	28" x 48", 20 Gauge Galvanized Steel Duct	127.94	52.83
		For Flat Oval, Add	*5.98*	
		For Work In Restricted Working Space, Add	*26.42*	
23 31 13 13-0663	LF	30" x 30", 20 Gauge Galvanized Steel Duct	101.03	41.71
		For Flat Oval, Add	*4.73*	
		For Work In Restricted Working Space, Add	*20.86*	
23 31 13 13-0664	LF	30" x 32", 20 Gauge Galvanized Steel Duct	104.39	43.11
		For Flat Oval, Add	*4.88*	
		For Work In Restricted Working Space, Add	*21.55*	
23 31 13 13-0665	LF	30" x 34", 20 Gauge Galvanized Steel Duct	107.76	44.49
		For Flat Oval, Add	*5.04*	
		For Work In Restricted Working Space, Add	*22.25*	
23 31 13 13-0666	LF	30" x 36", 20 Gauge Galvanized Steel Duct	111.10	45.88
		For Flat Oval, Add	*5.20*	
		For Work In Restricted Working Space, Add	*22.94*	
23 31 13 13-0667	LF	30" x 38", 20 Gauge Galvanized Steel Duct	114.48	47.27
		For Flat Oval, Add	*5.36*	
		For Work In Restricted Working Space, Add	*23.63*	
23 31 13 13-0668	LF	30" x 40", 20 Gauge Galvanized Steel Duct	117.86	48.66
		For Flat Oval, Add	*5.51*	
		For Work In Restricted Working Space, Add	*24.33*	
23 31 13 13-0669	LF	30" x 42", 20 Gauge Galvanized Steel Duct	121.22	50.05
		For Flat Oval, Add	*5.67*	
		For Work In Restricted Working Space, Add	*25.03*	
23 31 13 13-0670	LF	30" x 44", 20 Gauge Galvanized Steel Duct	124.60	51.44
		For Flat Oval, Add	*5.83*	
		For Work In Restricted Working Space, Add	*25.72*	
23 31 13 13-0671	LF	30" x 46", 20 Gauge Galvanized Steel Duct	127.94	52.83
		For Flat Oval, Add	*5.98*	
		For Work In Restricted Working Space, Add	*26.42*	
23 31 13 13-0672	LF	30" x 48", 20 Gauge Galvanized Steel Duct	131.32	54.22
		For Flat Oval, Add	*6.14*	
		For Work In Restricted Working Space, Add	*27.11*	
23 31 13 13-0673	LF	32" x 32", 20 Gauge Galvanized Steel Duct	107.76	44.49
		For Flat Oval, Add	*5.04*	
		For Work In Restricted Working Space, Add	*22.25*	
23 31 13 13-0674	LF	32" x 34", 20 Gauge Galvanized Steel Duct	111.10	45.88
		For Flat Oval, Add	*5.20*	
		For Work In Restricted Working Space, Add	*22.94*	
23 31 13 13-0675	LF	32" x 36", 20 Gauge Galvanized Steel Duct	114.48	47.27
		For Flat Oval, Add	*5.36*	
		For Work In Restricted Working Space, Add	*23.63*	
23 31 13 13-0676	LF	32" x 38", 20 Gauge Galvanized Steel Duct	117.86	48.66
		For Flat Oval, Add	*5.51*	
		For Work In Restricted Working Space, Add	*24.33*	
23 31 13 13-0677	LF	32" x 40", 20 Gauge Galvanized Steel Duct	121.22	50.05
		For Flat Oval, Add	*5.67*	
		For Work In Restricted Working Space, Add	*25.03*	
23 31 13 13-0678	LF	32" x 42", 20 Gauge Galvanized Steel Duct	124.60	51.44
		For Flat Oval, Add	*5.83*	
		For Work In Restricted Working Space, Add	*25.72*	
23 31 13 13-0679	LF	32" x 44", 20 Gauge Galvanized Steel Duct	127.94	52.83
		For Flat Oval, Add	*5.98*	
		For Work In Restricted Working Space, Add	*26.42*	
23 31 13 13-0680	LF	32" x 46", 20 Gauge Galvanized Steel Duct	131.32	54.22
		For Flat Oval, Add	*6.14*	
		For Work In Restricted Working Space, Add	*27.11*	
23 31 13 13-0681	LF	32" x 48", 20 Gauge Galvanized Steel Duct	134.70	55.61
		For Flat Oval, Add	*6.30*	
		For Work In Restricted Working Space, Add	*27.81*	
23 31 13 13-0682	LF	34" x 34", 20 Gauge Galvanized Steel Duct	114.48	47.27
		For Flat Oval, Add	*5.36*	
		For Work In Restricted Working Space, Add	*23.63*	
23 31 13 13-0683	LF	34" x 36", 20 Gauge Galvanized Steel Duct	117.86	48.66
		For Flat Oval, Add	*5.51*	
		For Work In Restricted Working Space, Add	*24.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0684	LF	34" x 38", 20 Gauge Galvanized Steel Duct	121.22	50.05
		For Flat Oval, Add	*5.67*	
		For Work In Restricted Working Space, Add	*25.03*	
23 31 13 13-0685	LF	34" x 40", 20 Gauge Galvanized Steel Duct	124.60	51.44
		For Flat Oval, Add	*5.83*	
		For Work In Restricted Working Space, Add	*25.72*	
23 31 13 13-0686	LF	34" x 42", 20 Gauge Galvanized Steel Duct	127.94	52.83
		For Flat Oval, Add	*5.98*	
		For Work In Restricted Working Space, Add	*26.42*	
23 31 13 13-0687	LF	34" x 44", 20 Gauge Galvanized Steel Duct	131.32	54.22
		For Flat Oval, Add	*6.14*	
		For Work In Restricted Working Space, Add	*27.11*	
23 31 13 13-0688	LF	34" x 46", 20 Gauge Galvanized Steel Duct	134.70	55.61
		For Flat Oval, Add	*6.30*	
		For Work In Restricted Working Space, Add	*27.81*	
23 31 13 13-0689	LF	34" x 48", 20 Gauge Galvanized Steel Duct	138.06	57.00
		For Flat Oval, Add	*6.46*	
		For Work In Restricted Working Space, Add	*28.50*	
23 31 13 13-0690	LF	36" x 36", 20 Gauge Galvanized Steel Duct	121.22	50.05
		For Flat Oval, Add	*5.67*	
		For Work In Restricted Working Space, Add	*25.03*	
23 31 13 13-0691	LF	36" x 38", 20 Gauge Galvanized Steel Duct	124.60	51.44
		For Flat Oval, Add	*5.83*	
		For Work In Restricted Working Space, Add	*25.72*	
23 31 13 13-0692	LF	36" x 40", 20 Gauge Galvanized Steel Duct	127.94	52.83
		For Flat Oval, Add	*5.98*	
		For Work In Restricted Working Space, Add	*26.42*	
23 31 13 13-0693	LF	36" x 42", 20 Gauge Galvanized Steel Duct	131.32	54.22
		For Flat Oval, Add	*6.14*	
		For Work In Restricted Working Space, Add	*27.11*	
23 31 13 13-0694	LF	36" x 44", 20 Gauge Galvanized Steel Duct	134.70	55.61
		For Flat Oval, Add	*6.30*	
		For Work In Restricted Working Space, Add	*27.81*	
23 31 13 13-0695	LF	36" x 46", 20 Gauge Galvanized Steel Duct	138.06	57.00
		For Flat Oval, Add	*6.46*	
		For Work In Restricted Working Space, Add	*28.50*	
23 31 13 13-0696	LF	36" x 48", 20 Gauge Galvanized Steel Duct	141.43	58.39
		For Flat Oval, Add	*6.62*	
		For Work In Restricted Working Space, Add	*29.20*	
23 31 13 13-0697	LF	38" x 38", 20 Gauge Galvanized Steel Duct	127.94	52.83
		For Flat Oval, Add	*5.98*	
		For Work In Restricted Working Space, Add	*26.42*	
23 31 13 13-0698	LF	38" x 40", 20 Gauge Galvanized Steel Duct	131.32	54.22
		For Flat Oval, Add	*6.14*	
		For Work In Restricted Working Space, Add	*27.11*	
23 31 13 13-0699	LF	38" x 42", 20 Gauge Galvanized Steel Duct	134.70	55.61
		For Flat Oval, Add	*6.30*	
		For Work In Restricted Working Space, Add	*27.81*	
23 31 13 13-0700	LF	38" x 44", 20 Gauge Galvanized Steel Duct	138.06	57.00
		For Flat Oval, Add	*6.46*	
		For Work In Restricted Working Space, Add	*28.50*	
23 31 13 13-0701	LF	38" x 46", 20 Gauge Galvanized Steel Duct	141.43	58.39
		For Flat Oval, Add	*6.62*	
		For Work In Restricted Working Space, Add	*29.20*	
23 31 13 13-0702	LF	38" x 48", 20 Gauge Galvanized Steel Duct	144.80	59.78
		For Flat Oval, Add	*6.77*	
		For Work In Restricted Working Space, Add	*29.89*	
23 31 13 13-0703	LF	38" x 50", 20 Gauge Galvanized Steel Duct	148.15	61.18
		For Flat Oval, Add	*6.93*	
		For Work In Restricted Working Space, Add	*30.59*	
23 31 13 13-0704	LF	40" x 40", 20 Gauge Galvanized Steel Duct	134.70	55.61
		For Flat Oval, Add	*6.30*	
		For Work In Restricted Working Space, Add	*27.81*	
23 31 13 13-0705	LF	40" x 42", 20 Gauge Galvanized Steel Duct	138.06	57.00
		For Flat Oval, Add	*6.46*	
		For Work In Restricted Working Space, Add	*28.50*	
23 31 13 13-0706	LF	40" x 44", 20 Gauge Galvanized Steel Duct	141.43	58.39
		For Flat Oval, Add	*6.62*	
		For Work In Restricted Working Space, Add	*29.20*	
23 31 13 13-0707	LF	40" x 46", 20 Gauge Galvanized Steel Duct	144.80	59.78
		For Flat Oval, Add	*6.77*	
		For Work In Restricted Working Space, Add	*29.89*	
23 31 13 13-0708	LF	40" x 48", 20 Gauge Galvanized Steel Duct	148.15	61.18
		For Flat Oval, Add	*6.93*	
		For Work In Restricted Working Space, Add	*30.59*	
23 31 13 13-0709	LF	40" x 50", 20 Gauge Galvanized Steel Duct	151.53	62.57
		For Flat Oval, Add	*7.09*	
		For Work In Restricted Working Space, Add	*31.28*	
23 31 13 13-0710	LF	40" x 52", 20 Gauge Galvanized Steel Duct	154.88	63.96
		For Flat Oval, Add	*7.24*	
		For Work In Restricted Working Space, Add	*31.98*	
23 31 13 13-0711	LF	40" x 54", 20 Gauge Galvanized Steel Duct	158.26	65.35
		For Flat Oval, Add	*7.40*	
		For Work In Restricted Working Space, Add	*32.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0712	LF	40" x 56", 20 Gauge Galvanized Steel Duct	161.63	66.74
		For Flat Oval, Add	*7.56*	
		For Work In Restricted Working Space, Add	*33.37*	
23 31 13 13-0713	LF	42" x 42", 20 Gauge Galvanized Steel Duct	141.43	58.39
		For Flat Oval, Add	*6.62*	
		For Work In Restricted Working Space, Add	*29.20*	
23 31 13 13-0714	LF	42" x 44", 20 Gauge Galvanized Steel Duct	144.80	59.78
		For Flat Oval, Add	*6.77*	
		For Work In Restricted Working Space, Add	*29.89*	
23 31 13 13-0715	LF	42" x 46", 20 Gauge Galvanized Steel Duct	148.15	61.18
		For Flat Oval, Add	*6.93*	
		For Work In Restricted Working Space, Add	*30.59*	
23 31 13 13-0716	LF	42" x 48", 20 Gauge Galvanized Steel Duct	151.53	62.57
		For Flat Oval, Add	*7.09*	
		For Work In Restricted Working Space, Add	*31.28*	
23 31 13 13-0717	LF	42" x 50", 20 Gauge Galvanized Steel Duct	154.88	63.96
		For Flat Oval, Add	*7.24*	
		For Work In Restricted Working Space, Add	*31.98*	
23 31 13 13-0718	LF	42" x 52", 20 Gauge Galvanized Steel Duct	158.26	65.35
		For Flat Oval, Add	*7.40*	
		For Work In Restricted Working Space, Add	*32.67*	
23 31 13 13-0719	LF	42" x 54", 20 Gauge Galvanized Steel Duct	161.63	66.74
		For Flat Oval, Add	*7.56*	
		For Work In Restricted Working Space, Add	*33.37*	
23 31 13 13-0720	LF	42" x 56", 20 Gauge Galvanized Steel Duct	164.99	68.13
		For Flat Oval, Add	*7.72*	
		For Work In Restricted Working Space, Add	*34.06*	
23 31 13 13-0721	LF	44" x 44", 20 Gauge Galvanized Steel Duct	148.15	61.18
		For Flat Oval, Add	*6.93*	
		For Work In Restricted Working Space, Add	*30.59*	
23 31 13 13-0722	LF	44" x 46", 20 Gauge Galvanized Steel Duct	151.53	62.57
		For Flat Oval, Add	*7.09*	
		For Work In Restricted Working Space, Add	*31.28*	
23 31 13 13-0723	LF	44" x 48", 20 Gauge Galvanized Steel Duct	154.88	63.96
		For Flat Oval, Add	*7.24*	
		For Work In Restricted Working Space, Add	*31.98*	
23 31 13 13-0724	LF	44" x 50", 20 Gauge Galvanized Steel Duct	158.26	65.35
		For Flat Oval, Add	*7.40*	
		For Work In Restricted Working Space, Add	*32.67*	
23 31 13 13-0725	LF	44" x 52", 20 Gauge Galvanized Steel Duct	161.63	66.74
		For Flat Oval, Add	*7.56*	
		For Work In Restricted Working Space, Add	*33.37*	
23 31 13 13-0726	LF	44" x 54", 20 Gauge Galvanized Steel Duct	164.99	68.13
		For Flat Oval, Add	*7.72*	
		For Work In Restricted Working Space, Add	*34.06*	
23 31 13 13-0727	LF	44" x 56", 20 Gauge Galvanized Steel Duct	168.37	69.52
		For Flat Oval, Add	*7.88*	
		For Work In Restricted Working Space, Add	*34.76*	
23 31 13 13-0728	LF	46" x 46", 20 Gauge Galvanized Steel Duct	154.88	63.96
		For Flat Oval, Add	*7.24*	
		For Work In Restricted Working Space, Add	*31.98*	
23 31 13 13-0729	LF	46" x 48", 20 Gauge Galvanized Steel Duct	158.26	65.35
		For Flat Oval, Add	*7.40*	
		For Work In Restricted Working Space, Add	*32.67*	
23 31 13 13-0730	LF	46" x 50", 20 Gauge Galvanized Steel Duct	161.63	66.74
		For Flat Oval, Add	*7.56*	
		For Work In Restricted Working Space, Add	*33.37*	
23 31 13 13-0731	LF	46" x 52", 20 Gauge Galvanized Steel Duct	164.99	68.13
		For Flat Oval, Add	*7.72*	
		For Work In Restricted Working Space, Add	*34.06*	
23 31 13 13-0732	LF	46" x 54", 20 Gauge Galvanized Steel Duct	168.37	69.52
		For Flat Oval, Add	*7.88*	
		For Work In Restricted Working Space, Add	*34.76*	
23 31 13 13-0733	LF	46" x 56", 20 Gauge Galvanized Steel Duct	171.74	70.91
		For Flat Oval, Add	*8.03*	
		For Work In Restricted Working Space, Add	*35.45*	
23 31 13 13-0734	LF	46" x 58", 20 Gauge Galvanized Steel Duct	175.10	72.30
		For Flat Oval, Add	*8.19*	
		For Work In Restricted Working Space, Add	*36.15*	
23 31 13 13-0735	LF	48" x 48", 20 Gauge Galvanized Steel Duct	161.63	66.74
		For Flat Oval, Add	*7.56*	
		For Work In Restricted Working Space, Add	*33.37*	
23 31 13 13-0736	LF	48" x 50", 20 Gauge Galvanized Steel Duct	164.99	68.13
		For Flat Oval, Add	*7.72*	
		For Work In Restricted Working Space, Add	*34.06*	
23 31 13 13-0737	LF	48" x 52", 20 Gauge Galvanized Steel Duct	168.37	69.52
		For Flat Oval, Add	*7.88*	
		For Work In Restricted Working Space, Add	*34.76*	
23 31 13 13-0738	LF	48" x 54", 20 Gauge Galvanized Steel Duct	171.74	70.91
		For Flat Oval, Add	*8.03*	
		For Work In Restricted Working Space, Add	*35.45*	
23 31 13 13-0739	LF	48" x 56", 20 Gauge Galvanized Steel Duct	175.10	72.30
		For Flat Oval, Add	*8.19*	
		For Work In Restricted Working Space, Add	*36.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0740	LF	48" x 58", 20 Gauge Galvanized Steel Duct	178.47	73.68
		For Flat Oval, Add	*8.35*	
		For Work In Restricted Working Space, Add	*36.84*	
23 31 13 13-0741	LF	48" x 60", 20 Gauge Galvanized Steel Duct	181.83	75.07
		For Flat Oval, Add	*8.51*	
		For Work In Restricted Working Space, Add	*37.54*	
23 31 13 13-0742	LF	50" x 50", 20 Gauge Galvanized Steel Duct	168.37	69.52
		For Flat Oval, Add	*7.88*	
		For Work In Restricted Working Space, Add	*34.76*	
23 31 13 13-0743	LF	50" x 52", 20 Gauge Galvanized Steel Duct	171.74	70.91
		For Flat Oval, Add	*8.03*	
		For Work In Restricted Working Space, Add	*35.45*	
23 31 13 13-0744	LF	50" x 54", 20 Gauge Galvanized Steel Duct	175.10	72.30
		For Flat Oval, Add	*8.19*	
		For Work In Restricted Working Space, Add	*36.15*	
23 31 13 13-0745	LF	50" x 56", 20 Gauge Galvanized Steel Duct	178.47	73.68
		For Flat Oval, Add	*8.35*	
		For Work In Restricted Working Space, Add	*36.84*	
23 31 13 13-0746	LF	50" x 58", 20 Gauge Galvanized Steel Duct	181.83	75.07
		For Flat Oval, Add	*8.51*	
		For Work In Restricted Working Space, Add	*37.54*	
23 31 13 13-0747	LF	50" x 60", 20 Gauge Galvanized Steel Duct	185.20	76.46
		For Flat Oval, Add	*8.66*	
		For Work In Restricted Working Space, Add	*38.24*	
23 31 13 13-0748	LF	52" x 52", 20 Gauge Galvanized Steel Duct	175.10	72.30
		For Flat Oval, Add	*8.19*	
		For Work In Restricted Working Space, Add	*36.15*	
23 31 13 13-0749	LF	52" x 54", 20 Gauge Galvanized Steel Duct	178.47	73.68
		For Flat Oval, Add	*8.35*	
		For Work In Restricted Working Space, Add	*36.84*	
23 31 13 13-0750	LF	52" x 56", 20 Gauge Galvanized Steel Duct	181.83	75.07
		For Flat Oval, Add	*8.51*	
		For Work In Restricted Working Space, Add	*37.54*	
23 31 13 13-0751	LF	52" x 58", 20 Gauge Galvanized Steel Duct	185.20	76.46
		For Flat Oval, Add	*8.66*	
		For Work In Restricted Working Space, Add	*38.24*	
23 31 13 13-0752	LF	52" x 60", 20 Gauge Galvanized Steel Duct	188.58	77.86
		For Flat Oval, Add	*8.82*	
		For Work In Restricted Working Space, Add	*38.93*	
23 31 13 13-0753	LF	54" x 54", 20 Gauge Galvanized Steel Duct	181.83	75.07
		For Flat Oval, Add	*8.51*	
		For Work In Restricted Working Space, Add	*37.54*	
23 31 13 13-0754	LF	54" x 56", 20 Gauge Galvanized Steel Duct	185.20	76.46
		For Flat Oval, Add	*8.66*	
		For Work In Restricted Working Space, Add	*38.24*	
23 31 13 13-0755	LF	54" x 58", 20 Gauge Galvanized Steel Duct	188.58	77.86
		For Flat Oval, Add	*8.82*	
		For Work In Restricted Working Space, Add	*38.93*	
23 31 13 13-0756	LF	54" x 60", 20 Gauge Galvanized Steel Duct	191.93	79.25
		For Flat Oval, Add	*8.98*	
		For Work In Restricted Working Space, Add	*39.62*	
23 31 13 13-0757	LF	54" x 62", 20 Gauge Galvanized Steel Duct	195.30	80.64
		For Flat Oval, Add	*9.14*	
		For Work In Restricted Working Space, Add	*40.32*	
23 31 13 13-0758	LF	54" x 64", 20 Gauge Galvanized Steel Duct	198.65	82.03
		For Flat Oval, Add	*9.29*	
		For Work In Restricted Working Space, Add	*41.01*	
23 31 13 13-0759	LF	56" x 56", 20 Gauge Galvanized Steel Duct	188.58	77.86
		For Flat Oval, Add	*8.82*	
		For Work In Restricted Working Space, Add	*38.93*	
23 31 13 13-0760	LF	56" x 58", 20 Gauge Galvanized Steel Duct	191.93	79.25
		For Flat Oval, Add	*8.98*	
		For Work In Restricted Working Space, Add	*39.62*	
23 31 13 13-0761	LF	56" x 60", 20 Gauge Galvanized Steel Duct	195.30	80.64
		For Flat Oval, Add	*9.14*	
		For Work In Restricted Working Space, Add	*40.32*	
23 31 13 13-0762	LF	56" x 62", 20 Gauge Galvanized Steel Duct	198.65	82.03
		For Flat Oval, Add	*9.29*	
		For Work In Restricted Working Space, Add	*41.01*	
23 31 13 13-0763	LF	56" x 64", 20 Gauge Galvanized Steel Duct	202.03	83.42
		For Flat Oval, Add	*9.45*	
		For Work In Restricted Working Space, Add	*41.71*	
23 31 13 13-0764	LF	58" x 58", 20 Gauge Galvanized Steel Duct	195.30	80.64
		For Flat Oval, Add	*9.14*	
		For Work In Restricted Working Space, Add	*40.32*	
23 31 13 13-0765	LF	58" x 60", 20 Gauge Galvanized Steel Duct	198.65	82.03
		For Flat Oval, Add	*9.29*	
		For Work In Restricted Working Space, Add	*41.01*	
23 31 13 13-0766	LF	58" x 62", 20 Gauge Galvanized Steel Duct	202.03	83.42
		For Flat Oval, Add	*9.45*	
		For Work In Restricted Working Space, Add	*41.71*	
23 31 13 13-0767	LF	58" x 64", 20 Gauge Galvanized Steel Duct	205.41	84.81
		For Flat Oval, Add	*9.61*	
		For Work In Restricted Working Space, Add	*42.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0768	LF	58" x 66", 20 Gauge Galvanized Steel Duct	208.77	86.20
		For Flat Oval, Add	*9.77*	
		For Work In Restricted Working Space, Add	*43.10*	
23 31 13 13-0769	LF	60" x 60", 20 Gauge Galvanized Steel Duct	202.03	83.42
		For Flat Oval, Add	*9.45*	
		For Work In Restricted Working Space, Add	*41.71*	
23 31 13 13-0770	LF	60" x 62", 20 Gauge Galvanized Steel Duct	205.41	84.81
		For Flat Oval, Add	*9.61*	
		For Work In Restricted Working Space, Add	*42.41*	
23 31 13 13-0771	LF	60" x 64", 20 Gauge Galvanized Steel Duct	208.77	86.20
		For Flat Oval, Add	*9.77*	
		For Work In Restricted Working Space, Add	*43.10*	
23 31 13 13-0772	LF	60" x 66", 20 Gauge Galvanized Steel Duct	212.14	87.59
		For Flat Oval, Add	*9.92*	
		For Work In Restricted Working Space, Add	*43.79*	
23 31 13 13-0773	LF	60" x 68", 20 Gauge Galvanized Steel Duct	215.51	88.98
		For Flat Oval, Add	*10.08*	
		For Work In Restricted Working Space, Add	*44.49*	
23 31 13 13-0774	LF	62" x 62", 20 Gauge Galvanized Steel Duct	208.77	86.20
		For Flat Oval, Add	*9.77*	
		For Work In Restricted Working Space, Add	*43.10*	
23 31 13 13-0775	LF	62" x 64", 20 Gauge Galvanized Steel Duct	212.14	87.59
		For Flat Oval, Add	*9.92*	
		For Work In Restricted Working Space, Add	*43.79*	
23 31 13 13-0776	LF	62" x 66", 20 Gauge Galvanized Steel Duct	215.51	88.98
		For Flat Oval, Add	*10.08*	
		For Work In Restricted Working Space, Add	*44.49*	
23 31 13 13-0777	LF	62" x 68", 20 Gauge Galvanized Steel Duct	218.87	90.37
		For Flat Oval, Add	*10.24*	
		For Work In Restricted Working Space, Add	*45.19*	
23 31 13 13-0778	LF	62" x 70", 20 Gauge Galvanized Steel Duct	222.25	91.76
		For Flat Oval, Add	*10.40*	
		For Work In Restricted Working Space, Add	*45.88*	
23 31 13 13-0779	LF	64" x 64", 20 Gauge Galvanized Steel Duct	215.51	88.98
		For Flat Oval, Add	*10.08*	
		For Work In Restricted Working Space, Add	*44.49*	
23 31 13 13-0780	LF	64" x 66", 20 Gauge Galvanized Steel Duct	218.87	90.37
		For Flat Oval, Add	*10.24*	
		For Work In Restricted Working Space, Add	*45.19*	
23 31 13 13-0781	LF	64" x 68", 20 Gauge Galvanized Steel Duct	222.25	91.76
		For Flat Oval, Add	*10.40*	
		For Work In Restricted Working Space, Add	*45.88*	
23 31 13 13-0782	LF	64" x 70", 20 Gauge Galvanized Steel Duct	225.61	93.15
		For Flat Oval, Add	*10.55*	
		For Work In Restricted Working Space, Add	*46.58*	
23 31 13 13-0783	LF	66" x 66", 20 Gauge Galvanized Steel Duct	222.25	91.76
		For Flat Oval, Add	*10.40*	
		For Work In Restricted Working Space, Add	*45.88*	
23 31 13 13-0784	LF	66" x 68", 20 Gauge Galvanized Steel Duct	225.61	93.15
		For Flat Oval, Add	*10.55*	
		For Work In Restricted Working Space, Add	*46.58*	
23 31 13 13-0785	LF	66" x 70", 20 Gauge Galvanized Steel Duct	228.97	94.55
		For Flat Oval, Add	*10.71*	
		For Work In Restricted Working Space, Add	*47.27*	
23 31 13 13-0786	LF	66" x 72", 20 Gauge Galvanized Steel Duct	232.34	95.94
		For Flat Oval, Add	*10.87*	
		For Work In Restricted Working Space, Add	*47.96*	
23 31 13 13-0787	LF	68" x 68", 20 Gauge Galvanized Steel Duct	228.97	94.55
		For Flat Oval, Add	*10.71*	
		For Work In Restricted Working Space, Add	*47.27*	
23 31 13 13-0788	LF	68" x 70", 20 Gauge Galvanized Steel Duct	232.34	95.94
		For Flat Oval, Add	*10.87*	
		For Work In Restricted Working Space, Add	*47.96*	
23 31 13 13-0789	LF	68" x 72", 20 Gauge Galvanized Steel Duct	235.70	97.33
		For Flat Oval, Add	*11.03*	
		For Work In Restricted Working Space, Add	*48.66*	
23 31 13 13-0790	LF	68" x 74", 20 Gauge Galvanized Steel Duct	239.08	98.72
		For Flat Oval, Add	*11.18*	
		For Work In Restricted Working Space, Add	*49.36*	
23 31 13 13-0791	LF	70" x 70", 20 Gauge Galvanized Steel Duct	235.70	97.33
		For Flat Oval, Add	*11.03*	
		For Work In Restricted Working Space, Add	*48.66*	
23 31 13 13-0792	LF	70" x 72", 20 Gauge Galvanized Steel Duct	239.08	98.72
		For Flat Oval, Add	*11.18*	
		For Work In Restricted Working Space, Add	*49.36*	
23 31 13 13-0793	LF	70" x 74", 20 Gauge Galvanized Steel Duct	242.45	100.11
		For Flat Oval, Add	*11.34*	
		For Work In Restricted Working Space, Add	*50.05*	
23 31 13 13-0794	LF	70" x 76", 20 Gauge Galvanized Steel Duct	245.81	101.50
		For Flat Oval, Add	*11.50*	
		For Work In Restricted Working Space, Add	*50.75*	
23 31 13 13-0795	LF	70" x 78", 20 Gauge Galvanized Steel Duct	249.18	102.88
		For Flat Oval, Add	*11.66*	
		For Work In Restricted Working Space, Add	*51.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0796	LF	70" x 80", 20 Gauge Galvanized Steel Duct	252.54	104.27
		For Flat Oval, Add	*11.81*	
		For Work In Restricted Working Space, Add	*52.14*	
23 31 13 13-0797	LF	70" x 82", 20 Gauge Galvanized Steel Duct	255.92	105.66
		For Flat Oval, Add	*11.97*	
		For Work In Restricted Working Space, Add	*52.83*	
23 31 13 13-0798	LF	70" x 84", 20 Gauge Galvanized Steel Duct	259.29	107.05
		For Flat Oval, Add	*12.13*	
		For Work In Restricted Working Space, Add	*53.53*	
23 31 13 13-0799	LF	72" x 72", 20 Gauge Galvanized Steel Duct	242.45	100.11
		For Flat Oval, Add	*11.34*	
		For Work In Restricted Working Space, Add	*50.05*	
23 31 13 13-0800	LF	72" x 74", 20 Gauge Galvanized Steel Duct	245.81	101.50
		For Flat Oval, Add	*11.50*	
		For Work In Restricted Working Space, Add	*50.75*	
23 31 13 13-0801	LF	72" x 76", 20 Gauge Galvanized Steel Duct	249.18	102.88
		For Flat Oval, Add	*11.66*	
		For Work In Restricted Working Space, Add	*51.44*	
23 31 13 13-0802	LF	72" x 78", 20 Gauge Galvanized Steel Duct	252.54	104.27
		For Flat Oval, Add	*11.81*	
		For Work In Restricted Working Space, Add	*52.14*	
23 31 13 13-0803	LF	72" x 80", 20 Gauge Galvanized Steel Duct	255.92	105.66
		For Flat Oval, Add	*11.97*	
		For Work In Restricted Working Space, Add	*52.83*	
23 31 13 13-0804	LF	72" x 82", 20 Gauge Galvanized Steel Duct	259.29	107.05
		For Flat Oval, Add	*12.13*	
		For Work In Restricted Working Space, Add	*53.53*	
23 31 13 13-0805	LF	72" x 84", 20 Gauge Galvanized Steel Duct	262.65	108.44
		For Flat Oval, Add	*12.29*	
		For Work In Restricted Working Space, Add	*54.23*	
23 31 13 13-0806	LF	74" x 74", 20 Gauge Galvanized Steel Duct	249.18	102.88
		For Flat Oval, Add	*11.66*	
		For Work In Restricted Working Space, Add	*51.44*	
23 31 13 13-0807	LF	74" x 76", 20 Gauge Galvanized Steel Duct	252.54	104.27
		For Flat Oval, Add	*11.81*	
		For Work In Restricted Working Space, Add	*52.14*	
23 31 13 13-0808	LF	74" x 78", 20 Gauge Galvanized Steel Duct	255.92	105.66
		For Flat Oval, Add	*11.97*	
		For Work In Restricted Working Space, Add	*52.83*	
23 31 13 13-0809	LF	74" x 80", 20 Gauge Galvanized Steel Duct	259.29	107.05
		For Flat Oval, Add	*12.13*	
		For Work In Restricted Working Space, Add	*53.53*	
23 31 13 13-0810	LF	74" x 82", 20 Gauge Galvanized Steel Duct	262.65	108.44
		For Flat Oval, Add	*12.29*	
		For Work In Restricted Working Space, Add	*54.23*	
23 31 13 13-0811	LF	74" x 84", 20 Gauge Galvanized Steel Duct	266.02	109.83
		For Flat Oval, Add	*12.44*	
		For Work In Restricted Working Space, Add	*54.92*	
23 31 13 13-0812	LF	76" x 76", 20 Gauge Galvanized Steel Duct	255.92	105.66
		For Flat Oval, Add	*11.97*	
		For Work In Restricted Working Space, Add	*52.83*	
23 31 13 13-0813	LF	76" x 78", 20 Gauge Galvanized Steel Duct	259.29	107.05
		For Flat Oval, Add	*12.13*	
		For Work In Restricted Working Space, Add	*53.53*	
23 31 13 13-0814	LF	76" x 80", 20 Gauge Galvanized Steel Duct	262.65	108.44
		For Flat Oval, Add	*12.29*	
		For Work In Restricted Working Space, Add	*54.23*	
23 31 13 13-0815	LF	76" x 82", 20 Gauge Galvanized Steel Duct	266.02	109.83
		For Flat Oval, Add	*12.44*	
		For Work In Restricted Working Space, Add	*54.92*	
23 31 13 13-0816	LF	76" x 84", 20 Gauge Galvanized Steel Duct	269.38	111.22
		For Flat Oval, Add	*12.60*	
		For Work In Restricted Working Space, Add	*55.61*	
23 31 13 13-0817	LF	78" x 78", 20 Gauge Galvanized Steel Duct	262.65	108.44
		For Flat Oval, Add	*12.29*	
		For Work In Restricted Working Space, Add	*54.23*	
23 31 13 13-0818	LF	78" x 80", 20 Gauge Galvanized Steel Duct	266.02	109.83
		For Flat Oval, Add	*12.44*	
		For Work In Restricted Working Space, Add	*54.92*	
23 31 13 13-0819	LF	78" x 82", 20 Gauge Galvanized Steel Duct	269.38	111.22
		For Flat Oval, Add	*12.60*	
		For Work In Restricted Working Space, Add	*55.61*	
23 31 13 13-0820	LF	78" x 84", 20 Gauge Galvanized Steel Duct	272.75	112.62
		For Flat Oval, Add	*12.76*	
		For Work In Restricted Working Space, Add	*56.31*	
23 31 13 13-0821	LF	80" x 80", 20 Gauge Galvanized Steel Duct	269.38	111.22
		For Flat Oval, Add	*12.60*	
		For Work In Restricted Working Space, Add	*55.61*	
23 31 13 13-0822	LF	80" x 82", 20 Gauge Galvanized Steel Duct	272.75	112.62
		For Flat Oval, Add	*12.76*	
		For Work In Restricted Working Space, Add	*56.31*	
23 31 13 13-0823	LF	80" x 84", 20 Gauge Galvanized Steel Duct	276.12	114.01
		For Flat Oval, Add	*12.92*	
		For Work In Restricted Working Space, Add	*57.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0824	LF	82" x 82", 20 Gauge Galvanized Steel Duct	276.12	114.01
		For Flat Oval, Add	*12.92*	
		For Work In Restricted Working Space, Add	*57.00*	
23 31 13 13-0825	LF	82" x 84", 20 Gauge Galvanized Steel Duct	279.48	115.40
		For Flat Oval, Add	*13.07*	
		For Work In Restricted Working Space, Add	*57.70*	
23 31 13 13-0826	LF	84" x 84", 20 Gauge Galvanized Steel Duct	282.85	116.79
		For Flat Oval, Add	*13.23*	
		For Work In Restricted Working Space, Add	*58.39*	

23 31 13 13-0827 18 Gauge Galvanized Steel Duct *(23 31 13 13-0009)*

23 31 13 13-0828	LF	4" x 4", 18 Gauge Galvanized Steel Duct	17.53	7.24
		For Flat Oval, Add	*0.82*	
		For Work In Restricted Working Space, Add	*3.62*	
23 31 13 13-0829	LF	4" x 6", 18 Gauge Galvanized Steel Duct	21.93	9.05
		For Flat Oval, Add	*1.03*	
		For Work In Restricted Working Space, Add	*4.53*	
23 31 13 13-0830	LF	4" x 8", 18 Gauge Galvanized Steel Duct	26.30	10.86
		For Flat Oval, Add	*1.23*	
		For Work In Restricted Working Space, Add	*5.43*	
23 31 13 13-0831	LF	4" x 10", 18 Gauge Galvanized Steel Duct	30.67	12.67
		For Flat Oval, Add	*1.43*	
		For Work In Restricted Working Space, Add	*6.33*	
23 31 13 13-0832	LF	4" x 12", 18 Gauge Galvanized Steel Duct	35.08	14.48
		For Flat Oval, Add	*1.64*	
		For Work In Restricted Working Space, Add	*7.24*	
23 31 13 13-0833	LF	4" x 14", 18 Gauge Galvanized Steel Duct	39.46	16.29
		For Flat Oval, Add	*1.85*	
		For Work In Restricted Working Space, Add	*8.15*	
23 31 13 13-0834	LF	4" x 16", 18 Gauge Galvanized Steel Duct	43.83	18.10
		For Flat Oval, Add	*2.05*	
		For Work In Restricted Working Space, Add	*9.05*	
23 31 13 13-0835	LF	6" x 6", 18 Gauge Galvanized Steel Duct	26.30	10.86
		For Flat Oval, Add	*1.23*	
		For Work In Restricted Working Space, Add	*5.43*	
23 31 13 13-0836	LF	6" x 8", 18 Gauge Galvanized Steel Duct	30.67	12.67
		For Flat Oval, Add	*1.43*	
		For Work In Restricted Working Space, Add	*6.33*	
23 31 13 13-0837	LF	6" x 10", 18 Gauge Galvanized Steel Duct	35.08	14.48
		For Flat Oval, Add	*1.64*	
		For Work In Restricted Working Space, Add	*7.24*	
23 31 13 13-0838	LF	6" x 12", 18 Gauge Galvanized Steel Duct	39.46	16.29
		For Flat Oval, Add	*1.85*	
		For Work In Restricted Working Space, Add	*8.15*	
23 31 13 13-0839	LF	6" x 14", 18 Gauge Galvanized Steel Duct	43.83	18.10
		For Flat Oval, Add	*2.05*	
		For Work In Restricted Working Space, Add	*9.05*	
23 31 13 13-0840	LF	6" x 16", 18 Gauge Galvanized Steel Duct	48.22	19.91
		For Flat Oval, Add	*2.25*	
		For Work In Restricted Working Space, Add	*9.96*	
23 31 13 13-0841	LF	8" x 8", 18 Gauge Galvanized Steel Duct	35.08	14.48
		For Flat Oval, Add	*1.64*	
		For Work In Restricted Working Space, Add	*7.24*	
23 31 13 13-0842	LF	8" x 10", 18 Gauge Galvanized Steel Duct	39.46	16.29
		For Flat Oval, Add	*1.85*	
		For Work In Restricted Working Space, Add	*8.15*	
23 31 13 13-0843	LF	8" x 12", 18 Gauge Galvanized Steel Duct	43.83	18.10
		For Flat Oval, Add	*2.05*	
		For Work In Restricted Working Space, Add	*9.05*	
23 31 13 13-0844	LF	8" x 14", 18 Gauge Galvanized Steel Duct	48.22	19.91
		For Flat Oval, Add	*2.25*	
		For Work In Restricted Working Space, Add	*9.96*	
23 31 13 13-0845	LF	8" x 16", 18 Gauge Galvanized Steel Duct	52.60	21.72
		For Flat Oval, Add	*2.46*	
		For Work In Restricted Working Space, Add	*10.86*	
23 31 13 13-0846	LF	8" x 18", 18 Gauge Galvanized Steel Duct	56.99	23.53
		For Flat Oval, Add	*2.67*	
		For Work In Restricted Working Space, Add	*11.76*	
23 31 13 13-0847	LF	8" x 20", 18 Gauge Galvanized Steel Duct	61.38	25.34
		For Flat Oval, Add	*2.87*	
		For Work In Restricted Working Space, Add	*12.67*	
23 31 13 13-0848	LF	8" x 22", 18 Gauge Galvanized Steel Duct	65.76	27.15
		For Flat Oval, Add	*3.08*	
		For Work In Restricted Working Space, Add	*13.58*	
23 31 13 13-0849	LF	8" x 24", 18 Gauge Galvanized Steel Duct	70.14	28.97
		For Flat Oval, Add	*3.28*	
		For Work In Restricted Working Space, Add	*14.48*	
23 31 13 13-0850	LF	10" x 10", 18 Gauge Galvanized Steel Duct	43.83	18.10
		For Flat Oval, Add	*2.05*	
		For Work In Restricted Working Space, Add	*9.05*	
23 31 13 13-0851	LF	10" x 12", 18 Gauge Galvanized Steel Duct	48.22	19.91
		For Flat Oval, Add	*2.25*	
		For Work In Restricted Working Space, Add	*9.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0852	LF	10" x 14", 18 Gauge Galvanized Steel Duct	52.60	21.72
		For Flat Oval, Add	*2.46*	
		For Work In Restricted Working Space, Add	*10.86*	
23 31 13 13-0853	LF	10" x 16", 18 Gauge Galvanized Steel Duct	56.99	23.53
		For Flat Oval, Add	*2.67*	
		For Work In Restricted Working Space, Add	*11.76*	
23 31 13 13-0854	LF	10" x 18", 18 Gauge Galvanized Steel Duct	61.38	25.34
		For Flat Oval, Add	*2.87*	
		For Work In Restricted Working Space, Add	*12.67*	
23 31 13 13-0855	LF	10" x 20", 18 Gauge Galvanized Steel Duct	65.76	27.15
		For Flat Oval, Add	*3.08*	
		For Work In Restricted Working Space, Add	*13.58*	
23 31 13 13-0856	LF	10" x 22", 18 Gauge Galvanized Steel Duct	70.14	28.97
		For Flat Oval, Add	*3.28*	
		For Work In Restricted Working Space, Add	*14.48*	
23 31 13 13-0857	LF	10" x 24", 18 Gauge Galvanized Steel Duct	74.52	30.77
		For Flat Oval, Add	*3.48*	
		For Work In Restricted Working Space, Add	*15.39*	
23 31 13 13-0858	LF	10" x 26", 18 Gauge Galvanized Steel Duct	78.92	32.58
		For Flat Oval, Add	*3.69*	
		For Work In Restricted Working Space, Add	*16.29*	
23 31 13 13-0859	LF	10" x 28", 18 Gauge Galvanized Steel Duct	83.30	34.39
		For Flat Oval, Add	*3.90*	
		For Work In Restricted Working Space, Add	*17.20*	
23 31 13 13-0860	LF	10" x 30", 18 Gauge Galvanized Steel Duct	87.68	36.20
		For Flat Oval, Add	*4.10*	
		For Work In Restricted Working Space, Add	*18.10*	
23 31 13 13-0861	LF	10" x 32", 18 Gauge Galvanized Steel Duct	92.05	38.02
		For Flat Oval, Add	*4.31*	
		For Work In Restricted Working Space, Add	*19.01*	
23 31 13 13-0862	LF	12" x 12", 18 Gauge Galvanized Steel Duct	52.60	21.72
		For Flat Oval, Add	*2.46*	
		For Work In Restricted Working Space, Add	*10.86*	
23 31 13 13-0863	LF	12" x 14", 18 Gauge Galvanized Steel Duct	56.99	23.53
		For Flat Oval, Add	*2.67*	
		For Work In Restricted Working Space, Add	*11.76*	
23 31 13 13-0864	LF	12" x 16", 18 Gauge Galvanized Steel Duct	61.38	25.34
		For Flat Oval, Add	*2.87*	
		For Work In Restricted Working Space, Add	*12.67*	
23 31 13 13-0865	LF	12" x 18", 18 Gauge Galvanized Steel Duct	65.76	27.15
		For Flat Oval, Add	*3.08*	
		For Work In Restricted Working Space, Add	*13.58*	
23 31 13 13-0866	LF	12" x 20", 18 Gauge Galvanized Steel Duct	70.14	28.97
		For Flat Oval, Add	*3.28*	
		For Work In Restricted Working Space, Add	*14.48*	
23 31 13 13-0867	LF	12" x 22", 18 Gauge Galvanized Steel Duct	74.52	30.77
		For Flat Oval, Add	*3.48*	
		For Work In Restricted Working Space, Add	*15.39*	
23 31 13 13-0868	LF	12" x 24", 18 Gauge Galvanized Steel Duct	78.92	32.58
		For Flat Oval, Add	*3.69*	
		For Work In Restricted Working Space, Add	*16.29*	
23 31 13 13-0869	LF	12" x 26", 18 Gauge Galvanized Steel Duct	83.30	34.39
		For Flat Oval, Add	*3.90*	
		For Work In Restricted Working Space, Add	*17.20*	
23 31 13 13-0870	LF	12" x 28", 18 Gauge Galvanized Steel Duct	87.68	36.20
		For Flat Oval, Add	*4.10*	
		For Work In Restricted Working Space, Add	*18.10*	
23 31 13 13-0871	LF	12" x 30", 18 Gauge Galvanized Steel Duct	92.05	38.02
		For Flat Oval, Add	*4.31*	
		For Work In Restricted Working Space, Add	*19.01*	
23 31 13 13-0872	LF	12" x 32", 18 Gauge Galvanized Steel Duct	96.44	39.82
		For Flat Oval, Add	*4.51*	
		For Work In Restricted Working Space, Add	*19.91*	
23 31 13 13-0873	LF	12" x 34", 18 Gauge Galvanized Steel Duct	100.84	41.63
		For Flat Oval, Add	*4.72*	
		For Work In Restricted Working Space, Add	*20.82*	
23 31 13 13-0874	LF	12" x 36", 18 Gauge Galvanized Steel Duct	105.21	43.45
		For Flat Oval, Add	*4.92*	
		For Work In Restricted Working Space, Add	*21.72*	
23 31 13 13-0875	LF	14" x 14", 18 Gauge Galvanized Steel Duct	61.38	25.34
		For Flat Oval, Add	*2.87*	
		For Work In Restricted Working Space, Add	*12.67*	
23 31 13 13-0876	LF	14" x 16", 18 Gauge Galvanized Steel Duct	65.76	27.15
		For Flat Oval, Add	*3.08*	
		For Work In Restricted Working Space, Add	*13.58*	
23 31 13 13-0877	LF	14" x 18", 18 Gauge Galvanized Steel Duct	70.14	28.97
		For Flat Oval, Add	*3.28*	
		For Work In Restricted Working Space, Add	*14.48*	
23 31 13 13-0878	LF	14" x 20", 18 Gauge Galvanized Steel Duct	74.52	30.77
		For Flat Oval, Add	*3.48*	
		For Work In Restricted Working Space, Add	*15.39*	
23 31 13 13-0879	LF	14" x 22", 18 Gauge Galvanized Steel Duct	78.92	32.58
		For Flat Oval, Add	*3.69*	
		For Work In Restricted Working Space, Add	*16.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0880	LF	14" x 24", 18 Gauge Galvanized Steel Duct	83.30	34.39
		For Flat Oval, Add	*3.90*	
		For Work In Restricted Working Space, Add	*17.20*	
23 31 13 13-0881	LF	14" x 26", 18 Gauge Galvanized Steel Duct	87.68	36.20
		For Flat Oval, Add	*4.10*	
		For Work In Restricted Working Space, Add	*18.10*	
23 31 13 13-0882	LF	14" x 28", 18 Gauge Galvanized Steel Duct	92.05	38.02
		For Flat Oval, Add	*4.31*	
		For Work In Restricted Working Space, Add	*19.01*	
23 31 13 13-0883	LF	14" x 30", 18 Gauge Galvanized Steel Duct	96.44	39.82
		For Flat Oval, Add	*4.51*	
		For Work In Restricted Working Space, Add	*19.91*	
23 31 13 13-0884	LF	14" x 32", 18 Gauge Galvanized Steel Duct	100.84	41.63
		For Flat Oval, Add	*4.72*	
		For Work In Restricted Working Space, Add	*20.82*	
23 31 13 13-0885	LF	14" x 34", 18 Gauge Galvanized Steel Duct	105.21	43.45
		For Flat Oval, Add	*4.92*	
		For Work In Restricted Working Space, Add	*21.72*	
23 31 13 13-0886	LF	14" x 36", 18 Gauge Galvanized Steel Duct	109.61	45.25
		For Flat Oval, Add	*5.13*	
		For Work In Restricted Working Space, Add	*22.63*	
23 31 13 13-0887	LF	16" x 16", 18 Gauge Galvanized Steel Duct	70.14	28.97
		For Flat Oval, Add	*3.28*	
		For Work In Restricted Working Space, Add	*14.48*	
23 31 13 13-0888	LF	16" x 18", 18 Gauge Galvanized Steel Duct	74.52	30.77
		For Flat Oval, Add	*3.48*	
		For Work In Restricted Working Space, Add	*15.39*	
23 31 13 13-0889	LF	16" x 20", 18 Gauge Galvanized Steel Duct	78.92	32.58
		For Flat Oval, Add	*3.69*	
		For Work In Restricted Working Space, Add	*16.29*	
23 31 13 13-0890	LF	16" x 22", 18 Gauge Galvanized Steel Duct	83.30	34.39
		For Flat Oval, Add	*3.90*	
		For Work In Restricted Working Space, Add	*17.20*	
23 31 13 13-0891	LF	16" x 24", 18 Gauge Galvanized Steel Duct	87.68	36.20
		For Flat Oval, Add	*4.10*	
		For Work In Restricted Working Space, Add	*18.10*	
23 31 13 13-0892	LF	16" x 26", 18 Gauge Galvanized Steel Duct	92.05	38.02
		For Flat Oval, Add	*4.31*	
		For Work In Restricted Working Space, Add	*19.01*	
23 31 13 13-0893	LF	16" x 28", 18 Gauge Galvanized Steel Duct	96.44	39.82
		For Flat Oval, Add	*4.51*	
		For Work In Restricted Working Space, Add	*19.91*	
23 31 13 13-0894	LF	16" x 30", 18 Gauge Galvanized Steel Duct	100.84	41.63
		For Flat Oval, Add	*4.72*	
		For Work In Restricted Working Space, Add	*20.82*	
23 31 13 13-0895	LF	16" x 32", 18 Gauge Galvanized Steel Duct	105.21	43.45
		For Flat Oval, Add	*4.92*	
		For Work In Restricted Working Space, Add	*21.72*	
23 31 13 13-0896	LF	16" x 34", 18 Gauge Galvanized Steel Duct	109.61	45.25
		For Flat Oval, Add	*5.13*	
		For Work In Restricted Working Space, Add	*22.63*	
23 31 13 13-0897	LF	16" x 36", 18 Gauge Galvanized Steel Duct	113.98	47.07
		For Flat Oval, Add	*5.33*	
		For Work In Restricted Working Space, Add	*23.53*	
23 31 13 13-0898	LF	16" x 38", 18 Gauge Galvanized Steel Duct	118.35	48.87
		For Flat Oval, Add	*5.54*	
		For Work In Restricted Working Space, Add	*24.44*	
23 31 13 13-0899	LF	16" x 40", 18 Gauge Galvanized Steel Duct	122.77	50.68
		For Flat Oval, Add	*5.74*	
		For Work In Restricted Working Space, Add	*25.34*	
23 31 13 13-0900	LF	16" x 42", 18 Gauge Galvanized Steel Duct	127.14	52.50
		For Flat Oval, Add	*5.95*	
		For Work In Restricted Working Space, Add	*26.25*	
23 31 13 13-0901	LF	16" x 44", 18 Gauge Galvanized Steel Duct	131.51	54.30
		For Flat Oval, Add	*6.15*	
		For Work In Restricted Working Space, Add	*27.15*	
23 31 13 13-0902	LF	18" x 18", 18 Gauge Galvanized Steel Duct	78.92	32.58
		For Flat Oval, Add	*3.69*	
		For Work In Restricted Working Space, Add	*16.29*	
23 31 13 13-0903	LF	18" x 20", 18 Gauge Galvanized Steel Duct	83.30	34.39
		For Flat Oval, Add	*3.90*	
		For Work In Restricted Working Space, Add	*17.20*	
23 31 13 13-0904	LF	18" x 22", 18 Gauge Galvanized Steel Duct	87.68	36.20
		For Flat Oval, Add	*4.10*	
		For Work In Restricted Working Space, Add	*18.10*	
23 31 13 13-0905	LF	18" x 24", 18 Gauge Galvanized Steel Duct	92.05	38.02
		For Flat Oval, Add	*4.31*	
		For Work In Restricted Working Space, Add	*19.01*	
23 31 13 13-0906	LF	18" x 26", 18 Gauge Galvanized Steel Duct	96.44	39.82
		For Flat Oval, Add	*4.51*	
		For Work In Restricted Working Space, Add	*19.91*	
23 31 13 13-0907	LF	18" x 28", 18 Gauge Galvanized Steel Duct	100.84	41.63
		For Flat Oval, Add	*4.72*	
		For Work In Restricted Working Space, Add	*20.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0908	LF	18" x 30", 18 Gauge Galvanized Steel Duct	105.21	43.45
		For Flat Oval, Add	*4.92*	
		For Work In Restricted Working Space, Add	*21.72*	
23 31 13 13-0909	LF	18" x 32", 18 Gauge Galvanized Steel Duct	109.61	45.25
		For Flat Oval, Add	*5.13*	
		For Work In Restricted Working Space, Add	*22.63*	
23 31 13 13-0910	LF	18" x 34", 18 Gauge Galvanized Steel Duct	113.98	47.07
		For Flat Oval, Add	*5.33*	
		For Work In Restricted Working Space, Add	*23.53*	
23 31 13 13-0911	LF	18" x 36", 18 Gauge Galvanized Steel Duct	118.35	48.87
		For Flat Oval, Add	*5.54*	
		For Work In Restricted Working Space, Add	*24.44*	
23 31 13 13-0912	LF	18" x 38", 18 Gauge Galvanized Steel Duct	122.77	50.68
		For Flat Oval, Add	*5.74*	
		For Work In Restricted Working Space, Add	*25.34*	
23 31 13 13-0913	LF	18" x 40", 18 Gauge Galvanized Steel Duct	127.14	52.50
		For Flat Oval, Add	*5.95*	
		For Work In Restricted Working Space, Add	*26.25*	
23 31 13 13-0914	LF	18" x 42", 18 Gauge Galvanized Steel Duct	131.51	54.30
		For Flat Oval, Add	*6.15*	
		For Work In Restricted Working Space, Add	*27.15*	
23 31 13 13-0915	LF	18" x 44", 18 Gauge Galvanized Steel Duct	135.90	56.12
		For Flat Oval, Add	*6.36*	
		For Work In Restricted Working Space, Add	*28.06*	
23 31 13 13-0916	LF	18" x 46", 18 Gauge Galvanized Steel Duct	140.30	57.92
		For Flat Oval, Add	*6.56*	
		For Work In Restricted Working Space, Add	*28.96*	
23 31 13 13-0917	LF	20" x 20", 18 Gauge Galvanized Steel Duct	87.68	36.20
		For Flat Oval, Add	*4.10*	
		For Work In Restricted Working Space, Add	*18.10*	
23 31 13 13-0918	LF	20" x 22", 18 Gauge Galvanized Steel Duct	92.05	38.02
		For Flat Oval, Add	*4.31*	
		For Work In Restricted Working Space, Add	*19.01*	
23 31 13 13-0919	LF	20" x 24", 18 Gauge Galvanized Steel Duct	96.44	39.82
		For Flat Oval, Add	*4.51*	
		For Work In Restricted Working Space, Add	*19.91*	
23 31 13 13-0920	LF	20" x 26", 18 Gauge Galvanized Steel Duct	100.84	41.63
		For Flat Oval, Add	*4.72*	
		For Work In Restricted Working Space, Add	*20.82*	
23 31 13 13-0921	LF	20" x 28", 18 Gauge Galvanized Steel Duct	105.21	43.45
		For Flat Oval, Add	*4.92*	
		For Work In Restricted Working Space, Add	*21.72*	
23 31 13 13-0922	LF	20" x 30", 18 Gauge Galvanized Steel Duct	109.61	45.25
		For Flat Oval, Add	*5.13*	
		For Work In Restricted Working Space, Add	*22.63*	
23 31 13 13-0923	LF	20" x 32", 18 Gauge Galvanized Steel Duct	113.98	47.07
		For Flat Oval, Add	*5.33*	
		For Work In Restricted Working Space, Add	*23.53*	
23 31 13 13-0924	LF	20" x 34", 18 Gauge Galvanized Steel Duct	118.35	48.87
		For Flat Oval, Add	*5.54*	
		For Work In Restricted Working Space, Add	*24.44*	
23 31 13 13-0925	LF	20" x 36", 18 Gauge Galvanized Steel Duct	122.77	50.68
		For Flat Oval, Add	*5.74*	
		For Work In Restricted Working Space, Add	*25.34*	
23 31 13 13-0926	LF	20" x 38", 18 Gauge Galvanized Steel Duct	127.14	52.50
		For Flat Oval, Add	*5.95*	
		For Work In Restricted Working Space, Add	*26.25*	
23 31 13 13-0927	LF	20" x 40", 18 Gauge Galvanized Steel Duct	131.51	54.30
		For Flat Oval, Add	*6.15*	
		For Work In Restricted Working Space, Add	*27.15*	
23 31 13 13-0928	LF	20" x 42", 18 Gauge Galvanized Steel Duct	135.90	56.12
		For Flat Oval, Add	*6.36*	
		For Work In Restricted Working Space, Add	*28.06*	
23 31 13 13-0929	LF	20" x 44", 18 Gauge Galvanized Steel Duct	140.30	57.92
		For Flat Oval, Add	*6.56*	
		For Work In Restricted Working Space, Add	*28.96*	
23 31 13 13-0930	LF	20" x 46", 18 Gauge Galvanized Steel Duct	144.67	59.73
		For Flat Oval, Add	*6.77*	
		For Work In Restricted Working Space, Add	*29.87*	
23 31 13 13-0931	LF	20" x 48", 18 Gauge Galvanized Steel Duct	149.06	61.55
		For Flat Oval, Add	*6.97*	
		For Work In Restricted Working Space, Add	*30.77*	
23 31 13 13-0932	LF	22" x 22", 18 Gauge Galvanized Steel Duct	96.44	39.82
		For Flat Oval, Add	*4.51*	
		For Work In Restricted Working Space, Add	*19.91*	
23 31 13 13-0933	LF	22" x 24", 18 Gauge Galvanized Steel Duct	100.84	41.63
		For Flat Oval, Add	*4.72*	
		For Work In Restricted Working Space, Add	*20.82*	
23 31 13 13-0934	LF	22" x 26", 18 Gauge Galvanized Steel Duct	105.21	43.45
		For Flat Oval, Add	*4.92*	
		For Work In Restricted Working Space, Add	*21.72*	
23 31 13 13-0935	LF	22" x 28", 18 Gauge Galvanized Steel Duct	109.61	45.25
		For Flat Oval, Add	*5.13*	
		For Work In Restricted Working Space, Add	*22.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0936	LF	22" x 30", 18 Gauge Galvanized Steel Duct	113.98	47.07
		For Flat Oval, Add	*5.33*	
		For Work In Restricted Working Space, Add	*23.53*	
23 31 13 13-0937	LF	22" x 32", 18 Gauge Galvanized Steel Duct	118.35	48.87
		For Flat Oval, Add	*5.54*	
		For Work In Restricted Working Space, Add	*24.44*	
23 31 13 13-0938	LF	22" x 34", 18 Gauge Galvanized Steel Duct	122.77	50.68
		For Flat Oval, Add	*5.74*	
		For Work In Restricted Working Space, Add	*25.34*	
23 31 13 13-0939	LF	22" x 36", 18 Gauge Galvanized Steel Duct	127.14	52.50
		For Flat Oval, Add	*5.95*	
		For Work In Restricted Working Space, Add	*26.25*	
23 31 13 13-0940	LF	22" x 38", 18 Gauge Galvanized Steel Duct	131.51	54.30
		For Flat Oval, Add	*6.15*	
		For Work In Restricted Working Space, Add	*27.15*	
23 31 13 13-0941	LF	22" x 40", 18 Gauge Galvanized Steel Duct	135.90	56.12
		For Flat Oval, Add	*6.36*	
		For Work In Restricted Working Space, Add	*28.06*	
23 31 13 13-0942	LF	22" x 42", 18 Gauge Galvanized Steel Duct	140.30	57.92
		For Flat Oval, Add	*6.56*	
		For Work In Restricted Working Space, Add	*28.96*	
23 31 13 13-0943	LF	22" x 44", 18 Gauge Galvanized Steel Duct	144.67	59.73
		For Flat Oval, Add	*6.77*	
		For Work In Restricted Working Space, Add	*29.87*	
23 31 13 13-0944	LF	22" x 46", 18 Gauge Galvanized Steel Duct	149.06	61.55
		For Flat Oval, Add	*6.97*	
		For Work In Restricted Working Space, Add	*30.77*	
23 31 13 13-0945	LF	22" x 48", 18 Gauge Galvanized Steel Duct	153.44	63.35
		For Flat Oval, Add	*7.18*	
		For Work In Restricted Working Space, Add	*31.68*	
23 31 13 13-0946	LF	24" x 24", 18 Gauge Galvanized Steel Duct	105.21	43.45
		For Flat Oval, Add	*4.92*	
		For Work In Restricted Working Space, Add	*21.72*	
23 31 13 13-0947	LF	24" x 26", 18 Gauge Galvanized Steel Duct	109.61	45.25
		For Flat Oval, Add	*5.13*	
		For Work In Restricted Working Space, Add	*22.63*	
23 31 13 13-0948	LF	24" x 28", 18 Gauge Galvanized Steel Duct	113.98	47.07
		For Flat Oval, Add	*5.33*	
		For Work In Restricted Working Space, Add	*23.53*	
23 31 13 13-0949	LF	24" x 30", 18 Gauge Galvanized Steel Duct	118.35	48.87
		For Flat Oval, Add	*5.54*	
		For Work In Restricted Working Space, Add	*24.44*	
23 31 13 13-0950	LF	24" x 32", 18 Gauge Galvanized Steel Duct	122.77	50.68
		For Flat Oval, Add	*5.74*	
		For Work In Restricted Working Space, Add	*25.34*	
23 31 13 13-0951	LF	24" x 34", 18 Gauge Galvanized Steel Duct	127.14	52.50
		For Flat Oval, Add	*5.95*	
		For Work In Restricted Working Space, Add	*26.25*	
23 31 13 13-0952	LF	24" x 36", 18 Gauge Galvanized Steel Duct	131.51	54.30
		For Flat Oval, Add	*6.15*	
		For Work In Restricted Working Space, Add	*27.15*	
23 31 13 13-0953	LF	24" x 38", 18 Gauge Galvanized Steel Duct	135.90	56.12
		For Flat Oval, Add	*6.36*	
		For Work In Restricted Working Space, Add	*28.06*	
23 31 13 13-0954	LF	24" x 40", 18 Gauge Galvanized Steel Duct	140.30	57.92
		For Flat Oval, Add	*6.56*	
		For Work In Restricted Working Space, Add	*28.96*	
23 31 13 13-0955	LF	24" x 42", 18 Gauge Galvanized Steel Duct	144.67	59.73
		For Flat Oval, Add	*6.77*	
		For Work In Restricted Working Space, Add	*29.87*	
23 31 13 13-0956	LF	24" x 44", 18 Gauge Galvanized Steel Duct	149.06	61.55
		For Flat Oval, Add	*6.97*	
		For Work In Restricted Working Space, Add	*30.77*	
23 31 13 13-0957	LF	24" x 46", 18 Gauge Galvanized Steel Duct	153.44	63.35
		For Flat Oval, Add	*7.18*	
		For Work In Restricted Working Space, Add	*31.68*	
23 31 13 13-0958	LF	24" x 48", 18 Gauge Galvanized Steel Duct	157.81	65.17
		For Flat Oval, Add	*7.38*	
		For Work In Restricted Working Space, Add	*32.58*	
23 31 13 13-0959	LF	26" x 26", 18 Gauge Galvanized Steel Duct	113.98	47.07
		For Flat Oval, Add	*5.33*	
		For Work In Restricted Working Space, Add	*23.53*	
23 31 13 13-0960	LF	26" x 28", 18 Gauge Galvanized Steel Duct	118.35	48.87
		For Flat Oval, Add	*5.54*	
		For Work In Restricted Working Space, Add	*24.44*	
23 31 13 13-0961	LF	26" x 30", 18 Gauge Galvanized Steel Duct	122.77	50.68
		For Flat Oval, Add	*5.74*	
		For Work In Restricted Working Space, Add	*25.34*	
23 31 13 13-0962	LF	26" x 32", 18 Gauge Galvanized Steel Duct	127.14	52.50
		For Flat Oval, Add	*5.95*	
		For Work In Restricted Working Space, Add	*26.25*	
23 31 13 13-0963	LF	26" x 34", 18 Gauge Galvanized Steel Duct	131.51	54.30
		For Flat Oval, Add	*6.15*	
		For Work In Restricted Working Space, Add	*27.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0964	LF	26" x 36", 18 Gauge Galvanized Steel Duct	135.90	56.12
		For Flat Oval, Add	*6.36*	
		For Work In Restricted Working Space, Add	*28.06*	
23 31 13 13-0965	LF	26" x 38", 18 Gauge Galvanized Steel Duct	140.30	57.92
		For Flat Oval, Add	*6.56*	
		For Work In Restricted Working Space, Add	*28.96*	
23 31 13 13-0966	LF	26" x 40", 18 Gauge Galvanized Steel Duct	144.67	59.73
		For Flat Oval, Add	*6.77*	
		For Work In Restricted Working Space, Add	*29.87*	
23 31 13 13-0967	LF	26" x 42", 18 Gauge Galvanized Steel Duct	149.06	61.55
		For Flat Oval, Add	*6.97*	
		For Work In Restricted Working Space, Add	*30.77*	
23 31 13 13-0968	LF	26" x 44", 18 Gauge Galvanized Steel Duct	153.44	63.35
		For Flat Oval, Add	*7.18*	
		For Work In Restricted Working Space, Add	*31.68*	
23 31 13 13-0969	LF	26" x 46", 18 Gauge Galvanized Steel Duct	157.81	65.17
		For Flat Oval, Add	*7.38*	
		For Work In Restricted Working Space, Add	*32.58*	
23 31 13 13-0970	LF	26" x 48", 18 Gauge Galvanized Steel Duct	162.22	66.97
		For Flat Oval, Add	*7.59*	
		For Work In Restricted Working Space, Add	*33.49*	
23 31 13 13-0971	LF	28" x 28", 18 Gauge Galvanized Steel Duct	122.77	50.68
		For Flat Oval, Add	*5.74*	
		For Work In Restricted Working Space, Add	*25.34*	
23 31 13 13-0972	LF	28" x 30", 18 Gauge Galvanized Steel Duct	127.14	52.50
		For Flat Oval, Add	*5.95*	
		For Work In Restricted Working Space, Add	*26.25*	
23 31 13 13-0973	LF	28" x 32", 18 Gauge Galvanized Steel Duct	131.51	54.30
		For Flat Oval, Add	*6.15*	
		For Work In Restricted Working Space, Add	*27.15*	
23 31 13 13-0974	LF	28" x 34", 18 Gauge Galvanized Steel Duct	135.90	56.12
		For Flat Oval, Add	*6.36*	
		For Work In Restricted Working Space, Add	*28.06*	
23 31 13 13-0975	LF	28" x 36", 18 Gauge Galvanized Steel Duct	140.30	57.92
		For Flat Oval, Add	*6.56*	
		For Work In Restricted Working Space, Add	*28.96*	
23 31 13 13-0976	LF	28" x 38", 18 Gauge Galvanized Steel Duct	144.67	59.73
		For Flat Oval, Add	*6.77*	
		For Work In Restricted Working Space, Add	*29.87*	
23 31 13 13-0977	LF	28" x 40", 18 Gauge Galvanized Steel Duct	149.06	61.55
		For Flat Oval, Add	*6.97*	
		For Work In Restricted Working Space, Add	*30.77*	
23 31 13 13-0978	LF	28" x 42", 18 Gauge Galvanized Steel Duct	153.44	63.35
		For Flat Oval, Add	*7.18*	
		For Work In Restricted Working Space, Add	*31.68*	
23 31 13 13-0979	LF	28" x 44", 18 Gauge Galvanized Steel Duct	157.81	65.17
		For Flat Oval, Add	*7.38*	
		For Work In Restricted Working Space, Add	*32.58*	
23 31 13 13-0980	LF	28" x 46", 18 Gauge Galvanized Steel Duct	162.22	66.97
		For Flat Oval, Add	*7.59*	
		For Work In Restricted Working Space, Add	*33.49*	
23 31 13 13-0981	LF	28" x 48", 18 Gauge Galvanized Steel Duct	166.60	68.78
		For Flat Oval, Add	*7.79*	
		For Work In Restricted Working Space, Add	*34.39*	
23 31 13 13-0982	LF	30" x 30", 18 Gauge Galvanized Steel Duct	131.51	54.30
		For Flat Oval, Add	*6.15*	
		For Work In Restricted Working Space, Add	*27.15*	
23 31 13 13-0983	LF	30" x 32", 18 Gauge Galvanized Steel Duct	135.90	56.12
		For Flat Oval, Add	*6.36*	
		For Work In Restricted Working Space, Add	*28.06*	
23 31 13 13-0984	LF	30" x 34", 18 Gauge Galvanized Steel Duct	140.30	57.92
		For Flat Oval, Add	*6.56*	
		For Work In Restricted Working Space, Add	*28.96*	
23 31 13 13-0985	LF	30" x 36", 18 Gauge Galvanized Steel Duct	144.67	59.73
		For Flat Oval, Add	*6.77*	
		For Work In Restricted Working Space, Add	*29.87*	
23 31 13 13-0986	LF	30" x 38", 18 Gauge Galvanized Steel Duct	149.06	61.55
		For Flat Oval, Add	*6.97*	
		For Work In Restricted Working Space, Add	*30.77*	
23 31 13 13-0987	LF	30" x 40", 18 Gauge Galvanized Steel Duct	153.44	63.35
		For Flat Oval, Add	*7.18*	
		For Work In Restricted Working Space, Add	*31.68*	
23 31 13 13-0988	LF	30" x 42", 18 Gauge Galvanized Steel Duct	157.81	65.17
		For Flat Oval, Add	*7.38*	
		For Work In Restricted Working Space, Add	*32.58*	
23 31 13 13-0989	LF	30" x 44", 18 Gauge Galvanized Steel Duct	162.22	66.97
		For Flat Oval, Add	*7.59*	
		For Work In Restricted Working Space, Add	*33.49*	
23 31 13 13-0990	LF	30" x 46", 18 Gauge Galvanized Steel Duct	166.60	68.78
		For Flat Oval, Add	*7.79*	
		For Work In Restricted Working Space, Add	*34.39*	
23 31 13 13-0991	LF	30" x 48", 18 Gauge Galvanized Steel Duct	170.97	70.60
		For Flat Oval, Add	*8.00*	
		For Work In Restricted Working Space, Add	*35.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0992	LF	32" x 32", 18 Gauge Galvanized Steel Duct	140.30	57.92
		For Flat Oval, Add	*6.56*	
		For Work In Restricted Working Space, Add	*28.96*	
23 31 13 13-0993	LF	32" x 34", 18 Gauge Galvanized Steel Duct	144.67	59.73
		For Flat Oval, Add	*6.77*	
		For Work In Restricted Working Space, Add	*29.87*	
23 31 13 13-0994	LF	32" x 36", 18 Gauge Galvanized Steel Duct	149.06	61.55
		For Flat Oval, Add	*6.97*	
		For Work In Restricted Working Space, Add	*30.77*	
23 31 13 13-0995	LF	32" x 38", 18 Gauge Galvanized Steel Duct	153.44	63.35
		For Flat Oval, Add	*7.18*	
		For Work In Restricted Working Space, Add	*31.68*	
23 31 13 13-0996	LF	32" x 40", 18 Gauge Galvanized Steel Duct	157.81	65.17
		For Flat Oval, Add	*7.38*	
		For Work In Restricted Working Space, Add	*32.58*	
23 31 13 13-0997	LF	32" x 42", 18 Gauge Galvanized Steel Duct	162.22	66.97
		For Flat Oval, Add	*7.59*	
		For Work In Restricted Working Space, Add	*33.49*	
23 31 13 13-0998	LF	32" x 44", 18 Gauge Galvanized Steel Duct	166.60	68.78
		For Flat Oval, Add	*7.79*	
		For Work In Restricted Working Space, Add	*34.39*	
23 31 13 13-0999	LF	32" x 46", 18 Gauge Galvanized Steel Duct	170.97	70.60
		For Flat Oval, Add	*8.00*	
		For Work In Restricted Working Space, Add	*35.30*	
23 31 13 13-1000	LF	32" x 48", 18 Gauge Galvanized Steel Duct	175.36	72.40
		For Flat Oval, Add	*8.20*	
		For Work In Restricted Working Space, Add	*36.20*	
23 31 13 13-1001	LF	34" x 34", 18 Gauge Galvanized Steel Duct	149.06	61.55
		For Flat Oval, Add	*6.97*	
		For Work In Restricted Working Space, Add	*30.77*	
23 31 13 13-1002	LF	34" x 36", 18 Gauge Galvanized Steel Duct	153.44	63.35
		For Flat Oval, Add	*7.18*	
		For Work In Restricted Working Space, Add	*31.68*	
23 31 13 13-1003	LF	34" x 38", 18 Gauge Galvanized Steel Duct	157.81	65.17
		For Flat Oval, Add	*7.38*	
		For Work In Restricted Working Space, Add	*32.58*	
23 31 13 13-1004	LF	34" x 40", 18 Gauge Galvanized Steel Duct	162.22	66.97
		For Flat Oval, Add	*7.59*	
		For Work In Restricted Working Space, Add	*33.49*	
23 31 13 13-1005	LF	34" x 42", 18 Gauge Galvanized Steel Duct	166.60	68.78
		For Flat Oval, Add	*7.79*	
		For Work In Restricted Working Space, Add	*34.39*	
23 31 13 13-1006	LF	34" x 44", 18 Gauge Galvanized Steel Duct	170.97	70.60
		For Flat Oval, Add	*8.00*	
		For Work In Restricted Working Space, Add	*35.30*	
23 31 13 13-1007	LF	34" x 46", 18 Gauge Galvanized Steel Duct	175.36	72.40
		For Flat Oval, Add	*8.20*	
		For Work In Restricted Working Space, Add	*36.20*	
23 31 13 13-1008	LF	34" x 48", 18 Gauge Galvanized Steel Duct	179.73	74.22
		For Flat Oval, Add	*8.41*	
		For Work In Restricted Working Space, Add	*37.11*	
23 31 13 13-1009	LF	36" x 36", 18 Gauge Galvanized Steel Duct	157.81	65.17
		For Flat Oval, Add	*7.38*	
		For Work In Restricted Working Space, Add	*32.58*	
23 31 13 13-1010	LF	36" x 38", 18 Gauge Galvanized Steel Duct	162.22	66.97
		For Flat Oval, Add	*7.59*	
		For Work In Restricted Working Space, Add	*33.49*	
23 31 13 13-1011	LF	36" x 40", 18 Gauge Galvanized Steel Duct	166.60	68.78
		For Flat Oval, Add	*7.79*	
		For Work In Restricted Working Space, Add	*34.39*	
23 31 13 13-1012	LF	36" x 42", 18 Gauge Galvanized Steel Duct	170.97	70.60
		For Flat Oval, Add	*8.00*	
		For Work In Restricted Working Space, Add	*35.30*	
23 31 13 13-1013	LF	36" x 44", 18 Gauge Galvanized Steel Duct	175.36	72.40
		For Flat Oval, Add	*8.20*	
		For Work In Restricted Working Space, Add	*36.20*	
23 31 13 13-1014	LF	36" x 46", 18 Gauge Galvanized Steel Duct	179.73	74.22
		For Flat Oval, Add	*8.41*	
		For Work In Restricted Working Space, Add	*37.11*	
23 31 13 13-1015	LF	36" x 48", 18 Gauge Galvanized Steel Duct	184.14	76.02
		For Flat Oval, Add	*8.61*	
		For Work In Restricted Working Space, Add	*38.01*	
23 31 13 13-1016	LF	38" x 38", 18 Gauge Galvanized Steel Duct	166.60	68.78
		For Flat Oval, Add	*7.79*	
		For Work In Restricted Working Space, Add	*34.39*	
23 31 13 13-1017	LF	38" x 40", 18 Gauge Galvanized Steel Duct	170.97	70.60
		For Flat Oval, Add	*8.00*	
		For Work In Restricted Working Space, Add	*35.30*	
23 31 13 13-1018	LF	38" x 42", 18 Gauge Galvanized Steel Duct	175.36	72.40
		For Flat Oval, Add	*8.20*	
		For Work In Restricted Working Space, Add	*36.20*	
23 31 13 13-1019	LF	38" x 44", 18 Gauge Galvanized Steel Duct	179.73	74.22
		For Flat Oval, Add	*8.41*	
		For Work In Restricted Working Space, Add	*37.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1020	LF	38" x 46", 18 Gauge Galvanized Steel Duct	184.14	76.02
		For Flat Oval, Add	*8.61*	
		For Work In Restricted Working Space, Add	*38.01*	
23 31 13 13-1021	LF	38" x 48", 18 Gauge Galvanized Steel Duct	188.52	77.84
		For Flat Oval, Add	*8.82*	
		For Work In Restricted Working Space, Add	*38.92*	
23 31 13 13-1022	LF	38" x 50", 18 Gauge Galvanized Steel Duct	192.89	79.65
		For Flat Oval, Add	*9.02*	
		For Work In Restricted Working Space, Add	*39.82*	
23 31 13 13-1023	LF	40" x 40", 18 Gauge Galvanized Steel Duct	175.36	72.40
		For Flat Oval, Add	*8.20*	
		For Work In Restricted Working Space, Add	*36.20*	
23 31 13 13-1024	LF	40" x 42", 18 Gauge Galvanized Steel Duct	179.73	74.22
		For Flat Oval, Add	*8.41*	
		For Work In Restricted Working Space, Add	*37.11*	
23 31 13 13-1025	LF	40" x 44", 18 Gauge Galvanized Steel Duct	184.14	76.02
		For Flat Oval, Add	*8.61*	
		For Work In Restricted Working Space, Add	*38.01*	
23 31 13 13-1026	LF	40" x 46", 18 Gauge Galvanized Steel Duct	188.52	77.84
		For Flat Oval, Add	*8.82*	
		For Work In Restricted Working Space, Add	*38.92*	
23 31 13 13-1027	LF	40" x 48", 18 Gauge Galvanized Steel Duct	192.89	79.65
		For Flat Oval, Add	*9.02*	
		For Work In Restricted Working Space, Add	*39.82*	
23 31 13 13-1028	LF	40" x 50", 18 Gauge Galvanized Steel Duct	197.28	81.45
		For Flat Oval, Add	*9.23*	
		For Work In Restricted Working Space, Add	*40.73*	
23 31 13 13-1029	LF	40" x 52", 18 Gauge Galvanized Steel Duct	201.66	83.27
		For Flat Oval, Add	*9.43*	
		For Work In Restricted Working Space, Add	*41.63*	
23 31 13 13-1030	LF	40" x 54", 18 Gauge Galvanized Steel Duct	206.05	85.07
		For Flat Oval, Add	*9.64*	
		For Work In Restricted Working Space, Add	*42.54*	
23 31 13 13-1031	LF	40" x 56", 18 Gauge Galvanized Steel Duct	210.44	86.89
		For Flat Oval, Add	*9.84*	
		For Work In Restricted Working Space, Add	*43.44*	
23 31 13 13-1032	LF	42" x 42", 18 Gauge Galvanized Steel Duct	184.14	76.02
		For Flat Oval, Add	*8.61*	
		For Work In Restricted Working Space, Add	*38.01*	
23 31 13 13-1033	LF	42" x 44", 18 Gauge Galvanized Steel Duct	188.52	77.84
		For Flat Oval, Add	*8.82*	
		For Work In Restricted Working Space, Add	*38.92*	
23 31 13 13-1034	LF	42" x 46", 18 Gauge Galvanized Steel Duct	192.89	79.65
		For Flat Oval, Add	*9.02*	
		For Work In Restricted Working Space, Add	*39.82*	
23 31 13 13-1035	LF	42" x 48", 18 Gauge Galvanized Steel Duct	197.28	81.45
		For Flat Oval, Add	*9.23*	
		For Work In Restricted Working Space, Add	*40.73*	
23 31 13 13-1036	LF	42" x 50", 18 Gauge Galvanized Steel Duct	201.66	83.27
		For Flat Oval, Add	*9.43*	
		For Work In Restricted Working Space, Add	*41.63*	
23 31 13 13-1037	LF	42" x 52", 18 Gauge Galvanized Steel Duct	206.05	85.07
		For Flat Oval, Add	*9.64*	
		For Work In Restricted Working Space, Add	*42.54*	
23 31 13 13-1038	LF	42" x 54", 18 Gauge Galvanized Steel Duct	210.44	86.89
		For Flat Oval, Add	*9.84*	
		For Work In Restricted Working Space, Add	*43.44*	
23 31 13 13-1039	LF	42" x 56", 18 Gauge Galvanized Steel Duct	214.82	88.70
		For Flat Oval, Add	*10.05*	
		For Work In Restricted Working Space, Add	*44.35*	
23 31 13 13-1040	LF	44" x 44", 18 Gauge Galvanized Steel Duct	192.89	79.65
		For Flat Oval, Add	*9.02*	
		For Work In Restricted Working Space, Add	*39.82*	
23 31 13 13-1041	LF	44" x 46", 18 Gauge Galvanized Steel Duct	197.28	81.45
		For Flat Oval, Add	*9.23*	
		For Work In Restricted Working Space, Add	*40.73*	
23 31 13 13-1042	LF	44" x 48", 18 Gauge Galvanized Steel Duct	201.66	83.27
		For Flat Oval, Add	*9.43*	
		For Work In Restricted Working Space, Add	*41.63*	
23 31 13 13-1043	LF	44" x 50", 18 Gauge Galvanized Steel Duct	206.05	85.07
		For Flat Oval, Add	*9.64*	
		For Work In Restricted Working Space, Add	*42.54*	
23 31 13 13-1044	LF	44" x 52", 18 Gauge Galvanized Steel Duct	210.44	86.89
		For Flat Oval, Add	*9.84*	
		For Work In Restricted Working Space, Add	*43.44*	
23 31 13 13-1045	LF	44" x 54", 18 Gauge Galvanized Steel Duct	214.82	88.70
		For Flat Oval, Add	*10.05*	
		For Work In Restricted Working Space, Add	*44.35*	
23 31 13 13-1046	LF	44" x 56", 18 Gauge Galvanized Steel Duct	219.19	90.50
		For Flat Oval, Add	*10.25*	
		For Work In Restricted Working Space, Add	*45.25*	
23 31 13 13-1047	LF	46" x 46", 18 Gauge Galvanized Steel Duct	201.66	83.27
		For Flat Oval, Add	*9.43*	
		For Work In Restricted Working Space, Add	*41.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1048	LF	46" x 48", 18 Gauge Galvanized Steel Duct	206.05	85.07
		For Flat Oval, Add	*9.64*	
		For Work In Restricted Working Space, Add	*42.54*	
23 31 13 13-1049	LF	46" x 50", 18 Gauge Galvanized Steel Duct	210.44	86.89
		For Flat Oval, Add	*9.84*	
		For Work In Restricted Working Space, Add	*43.44*	
23 31 13 13-1050	LF	46" x 52", 18 Gauge Galvanized Steel Duct	214.82	88.70
		For Flat Oval, Add	*10.05*	
		For Work In Restricted Working Space, Add	*44.35*	
23 31 13 13-1051	LF	46" x 54", 18 Gauge Galvanized Steel Duct	219.19	90.50
		For Flat Oval, Add	*10.25*	
		For Work In Restricted Working Space, Add	*45.25*	
23 31 13 13-1052	LF	46" x 56", 18 Gauge Galvanized Steel Duct	223.58	92.32
		For Flat Oval, Add	*10.46*	
		For Work In Restricted Working Space, Add	*46.16*	
23 31 13 13-1053	LF	46" x 58", 18 Gauge Galvanized Steel Duct	227.98	94.12
		For Flat Oval, Add	*10.67*	
		For Work In Restricted Working Space, Add	*47.06*	
23 31 13 13-1054	LF	48" x 48", 18 Gauge Galvanized Steel Duct	210.44	86.89
		For Flat Oval, Add	*9.84*	
		For Work In Restricted Working Space, Add	*43.44*	
23 31 13 13-1055	LF	48" x 50", 18 Gauge Galvanized Steel Duct	214.82	88.70
		For Flat Oval, Add	*10.05*	
		For Work In Restricted Working Space, Add	*44.35*	
23 31 13 13-1056	LF	48" x 52", 18 Gauge Galvanized Steel Duct	219.19	90.50
		For Flat Oval, Add	*10.25*	
		For Work In Restricted Working Space, Add	*45.25*	
23 31 13 13-1057	LF	48" x 54", 18 Gauge Galvanized Steel Duct	223.58	92.32
		For Flat Oval, Add	*10.46*	
		For Work In Restricted Working Space, Add	*46.16*	
23 31 13 13-1058	LF	48" x 56", 18 Gauge Galvanized Steel Duct	227.98	94.12
		For Flat Oval, Add	*10.67*	
		For Work In Restricted Working Space, Add	*47.06*	
23 31 13 13-1059	LF	48" x 58", 18 Gauge Galvanized Steel Duct	232.35	95.94
		For Flat Oval, Add	*10.87*	
		For Work In Restricted Working Space, Add	*47.97*	
23 31 13 13-1060	LF	48" x 60", 18 Gauge Galvanized Steel Duct	236.73	97.75
		For Flat Oval, Add	*11.07*	
		For Work In Restricted Working Space, Add	*48.87*	
23 31 13 13-1061	LF	50" x 50", 18 Gauge Galvanized Steel Duct	219.19	90.50
		For Flat Oval, Add	*10.25*	
		For Work In Restricted Working Space, Add	*45.25*	
23 31 13 13-1062	LF	50" x 52", 18 Gauge Galvanized Steel Duct	223.58	92.32
		For Flat Oval, Add	*10.46*	
		For Work In Restricted Working Space, Add	*46.16*	
23 31 13 13-1063	LF	50" x 54", 18 Gauge Galvanized Steel Duct	227.98	94.12
		For Flat Oval, Add	*10.67*	
		For Work In Restricted Working Space, Add	*47.06*	
23 31 13 13-1064	LF	50" x 56", 18 Gauge Galvanized Steel Duct	232.35	95.94
		For Flat Oval, Add	*10.87*	
		For Work In Restricted Working Space, Add	*47.97*	
23 31 13 13-1065	LF	50" x 58", 18 Gauge Galvanized Steel Duct	236.73	97.75
		For Flat Oval, Add	*11.07*	
		For Work In Restricted Working Space, Add	*48.87*	
23 31 13 13-1066	LF	50" x 60", 18 Gauge Galvanized Steel Duct	241.12	99.55
		For Flat Oval, Add	*11.28*	
		For Work In Restricted Working Space, Add	*49.78*	
23 31 13 13-1067	LF	52" x 52", 18 Gauge Galvanized Steel Duct	227.98	94.12
		For Flat Oval, Add	*10.67*	
		For Work In Restricted Working Space, Add	*47.06*	
23 31 13 13-1068	LF	52" x 54", 18 Gauge Galvanized Steel Duct	232.35	95.94
		For Flat Oval, Add	*10.87*	
		For Work In Restricted Working Space, Add	*47.97*	
23 31 13 13-1069	LF	52" x 56", 18 Gauge Galvanized Steel Duct	236.73	97.75
		For Flat Oval, Add	*11.07*	
		For Work In Restricted Working Space, Add	*48.87*	
23 31 13 13-1070	LF	52" x 58", 18 Gauge Galvanized Steel Duct	241.12	99.55
		For Flat Oval, Add	*11.28*	
		For Work In Restricted Working Space, Add	*49.78*	
23 31 13 13-1071	LF	52" x 60", 18 Gauge Galvanized Steel Duct	245.49	101.37
		For Flat Oval, Add	*11.48*	
		For Work In Restricted Working Space, Add	*50.68*	
23 31 13 13-1072	LF	54" x 54", 18 Gauge Galvanized Steel Duct	236.73	97.75
		For Flat Oval, Add	*11.07*	
		For Work In Restricted Working Space, Add	*48.87*	
23 31 13 13-1073	LF	54" x 56", 18 Gauge Galvanized Steel Duct	241.12	99.55
		For Flat Oval, Add	*11.28*	
		For Work In Restricted Working Space, Add	*49.78*	
23 31 13 13-1074	LF	54" x 58", 18 Gauge Galvanized Steel Duct	245.49	101.37
		For Flat Oval, Add	*11.48*	
		For Work In Restricted Working Space, Add	*50.68*	
23 31 13 13-1075	LF	54" x 60", 18 Gauge Galvanized Steel Duct	249.89	103.17
		For Flat Oval, Add	*11.69*	
		For Work In Restricted Working Space, Add	*51.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1076	LF	54" x 62", 18 Gauge Galvanized Steel Duct	254.28	104.99
		For Flat Oval, Add	*11.90*	
		For Work In Restricted Working Space, Add	*52.49*	
23 31 13 13-1077	LF	54" x 64", 18 Gauge Galvanized Steel Duct	258.65	106.80
		For Flat Oval, Add	*12.10*	
		For Work In Restricted Working Space, Add	*53.40*	
23 31 13 13-1078	LF	56" x 56", 18 Gauge Galvanized Steel Duct	245.49	101.37
		For Flat Oval, Add	*11.48*	
		For Work In Restricted Working Space, Add	*50.68*	
23 31 13 13-1079	LF	56" x 58", 18 Gauge Galvanized Steel Duct	249.89	103.17
		For Flat Oval, Add	*11.69*	
		For Work In Restricted Working Space, Add	*51.59*	
23 31 13 13-1080	LF	56" x 60", 18 Gauge Galvanized Steel Duct	254.28	104.99
		For Flat Oval, Add	*11.90*	
		For Work In Restricted Working Space, Add	*52.49*	
23 31 13 13-1081	LF	56" x 62", 18 Gauge Galvanized Steel Duct	258.65	106.80
		For Flat Oval, Add	*12.10*	
		For Work In Restricted Working Space, Add	*53.40*	
23 31 13 13-1082	LF	56" x 64", 18 Gauge Galvanized Steel Duct	263.03	108.60
		For Flat Oval, Add	*12.30*	
		For Work In Restricted Working Space, Add	*54.30*	
23 31 13 13-1083	LF	58" x 58", 18 Gauge Galvanized Steel Duct	254.28	104.99
		For Flat Oval, Add	*11.90*	
		For Work In Restricted Working Space, Add	*52.49*	
23 31 13 13-1084	LF	58" x 60", 18 Gauge Galvanized Steel Duct	258.65	106.80
		For Flat Oval, Add	*12.10*	
		For Work In Restricted Working Space, Add	*53.40*	
23 31 13 13-1085	LF	58" x 62", 18 Gauge Galvanized Steel Duct	263.03	108.60
		For Flat Oval, Add	*12.30*	
		For Work In Restricted Working Space, Add	*54.30*	
23 31 13 13-1086	LF	58" x 64", 18 Gauge Galvanized Steel Duct	267.42	110.42
		For Flat Oval, Add	*12.51*	
		For Work In Restricted Working Space, Add	*55.21*	
23 31 13 13-1087	LF	58" x 66", 18 Gauge Galvanized Steel Duct	271.81	112.22
		For Flat Oval, Add	*12.72*	
		For Work In Restricted Working Space, Add	*56.11*	
23 31 13 13-1088	LF	60" x 60", 18 Gauge Galvanized Steel Duct	263.03	108.60
		For Flat Oval, Add	*12.30*	
		For Work In Restricted Working Space, Add	*54.30*	
23 31 13 13-1089	LF	60" x 62", 18 Gauge Galvanized Steel Duct	267.42	110.42
		For Flat Oval, Add	*12.51*	
		For Work In Restricted Working Space, Add	*55.21*	
23 31 13 13-1090	LF	60" x 64", 18 Gauge Galvanized Steel Duct	271.81	112.22
		For Flat Oval, Add	*12.72*	
		For Work In Restricted Working Space, Add	*56.11*	
23 31 13 13-1091	LF	60" x 66", 18 Gauge Galvanized Steel Duct	276.19	114.04
		For Flat Oval, Add	*12.92*	
		For Work In Restricted Working Space, Add	*57.02*	
23 31 13 13-1092	LF	60" x 68", 18 Gauge Galvanized Steel Duct	280.58	115.85
		For Flat Oval, Add	*13.13*	
		For Work In Restricted Working Space, Add	*57.92*	
23 31 13 13-1093	LF	62" x 62", 18 Gauge Galvanized Steel Duct	271.81	112.22
		For Flat Oval, Add	*12.72*	
		For Work In Restricted Working Space, Add	*56.11*	
23 31 13 13-1094	LF	62" x 64", 18 Gauge Galvanized Steel Duct	276.19	114.04
		For Flat Oval, Add	*12.92*	
		For Work In Restricted Working Space, Add	*57.02*	
23 31 13 13-1095	LF	62" x 66", 18 Gauge Galvanized Steel Duct	280.58	115.85
		For Flat Oval, Add	*13.13*	
		For Work In Restricted Working Space, Add	*57.92*	
23 31 13 13-1096	LF	62" x 68", 18 Gauge Galvanized Steel Duct	284.95	117.65
		For Flat Oval, Add	*13.33*	
		For Work In Restricted Working Space, Add	*58.83*	
23 31 13 13-1097	LF	62" x 70", 18 Gauge Galvanized Steel Duct	289.33	119.47
		For Flat Oval, Add	*13.53*	
		For Work In Restricted Working Space, Add	*59.73*	
23 31 13 13-1098	LF	64" x 64", 18 Gauge Galvanized Steel Duct	280.58	115.85
		For Flat Oval, Add	*13.13*	
		For Work In Restricted Working Space, Add	*57.92*	
23 31 13 13-1099	LF	64" x 66", 18 Gauge Galvanized Steel Duct	284.95	117.65
		For Flat Oval, Add	*13.33*	
		For Work In Restricted Working Space, Add	*58.83*	
23 31 13 13-1100	LF	64" x 68", 18 Gauge Galvanized Steel Duct	289.33	119.47
		For Flat Oval, Add	*13.53*	
		For Work In Restricted Working Space, Add	*59.73*	
23 31 13 13-1101	LF	64" x 70", 18 Gauge Galvanized Steel Duct	293.73	121.27
		For Flat Oval, Add	*13.74*	
		For Work In Restricted Working Space, Add	*60.64*	
23 31 13 13-1102	LF	66" x 66", 18 Gauge Galvanized Steel Duct	289.33	119.47
		For Flat Oval, Add	*13.53*	
		For Work In Restricted Working Space, Add	*59.73*	
23 31 13 13-1103	LF	66" x 68", 18 Gauge Galvanized Steel Duct	293.73	121.27
		For Flat Oval, Add	*13.74*	
		For Work In Restricted Working Space, Add	*60.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1104	LF	66" x 70", 18 Gauge Galvanized Steel Duct	298.11	123.09
		For Flat Oval, Add	*13.95*	
		For Work In Restricted Working Space, Add	*61.54*	
23 31 13 13-1105	LF	66" x 72", 18 Gauge Galvanized Steel Duct	302.49	124.90
		For Flat Oval, Add	*14.15*	
		For Work In Restricted Working Space, Add	*62.45*	
23 31 13 13-1106	LF	68" x 68", 18 Gauge Galvanized Steel Duct	298.11	123.09
		For Flat Oval, Add	*13.95*	
		For Work In Restricted Working Space, Add	*61.54*	
23 31 13 13-1107	LF	68" x 70", 18 Gauge Galvanized Steel Duct	302.49	124.90
		For Flat Oval, Add	*14.15*	
		For Work In Restricted Working Space, Add	*62.45*	
23 31 13 13-1108	LF	68" x 72", 18 Gauge Galvanized Steel Duct	306.87	126.71
		For Flat Oval, Add	*14.35*	
		For Work In Restricted Working Space, Add	*63.35*	
23 31 13 13-1109	LF	68" x 74", 18 Gauge Galvanized Steel Duct	311.26	128.52
		For Flat Oval, Add	*14.56*	
		For Work In Restricted Working Space, Add	*64.26*	
23 31 13 13-1110	LF	70" x 70", 18 Gauge Galvanized Steel Duct	306.87	126.71
		For Flat Oval, Add	*14.35*	
		For Work In Restricted Working Space, Add	*63.35*	
23 31 13 13-1111	LF	70" x 72", 18 Gauge Galvanized Steel Duct	311.26	128.52
		For Flat Oval, Add	*14.56*	
		For Work In Restricted Working Space, Add	*64.26*	
23 31 13 13-1112	LF	70" x 74", 18 Gauge Galvanized Steel Duct	315.66	130.33
		For Flat Oval, Add	*14.77*	
		For Work In Restricted Working Space, Add	*65.17*	
23 31 13 13-1113	LF	70" x 76", 18 Gauge Galvanized Steel Duct	320.03	132.14
		For Flat Oval, Add	*14.97*	
		For Work In Restricted Working Space, Add	*66.07*	
23 31 13 13-1114	LF	70" x 78", 18 Gauge Galvanized Steel Duct	324.42	133.95
		For Flat Oval, Add	*15.18*	
		For Work In Restricted Working Space, Add	*66.98*	
23 31 13 13-1115	LF	70" x 80", 18 Gauge Galvanized Steel Duct	328.80	135.76
		For Flat Oval, Add	*15.38*	
		For Work In Restricted Working Space, Add	*67.88*	
23 31 13 13-1116	LF	70" x 82", 18 Gauge Galvanized Steel Duct	333.17	137.57
		For Flat Oval, Add	*15.58*	
		For Work In Restricted Working Space, Add	*68.78*	
23 31 13 13-1117	LF	70" x 84", 18 Gauge Galvanized Steel Duct	337.58	139.38
		For Flat Oval, Add	*15.79*	
		For Work In Restricted Working Space, Add	*69.69*	
23 31 13 13-1118	LF	70" x 86", 18 Gauge Galvanized Steel Duct	341.96	141.19
		For Flat Oval, Add	*16.00*	
		For Work In Restricted Working Space, Add	*70.60*	
23 31 13 13-1119	LF	72" x 72", 18 Gauge Galvanized Steel Duct	315.66	130.33
		For Flat Oval, Add	*14.77*	
		For Work In Restricted Working Space, Add	*65.17*	
23 31 13 13-1120	LF	72" x 74", 18 Gauge Galvanized Steel Duct	320.03	132.14
		For Flat Oval, Add	*14.97*	
		For Work In Restricted Working Space, Add	*66.07*	
23 31 13 13-1121	LF	72" x 76", 18 Gauge Galvanized Steel Duct	324.42	133.95
		For Flat Oval, Add	*15.18*	
		For Work In Restricted Working Space, Add	*66.98*	
23 31 13 13-1122	LF	72" x 78", 18 Gauge Galvanized Steel Duct	328.80	135.76
		For Flat Oval, Add	*15.38*	
		For Work In Restricted Working Space, Add	*67.88*	
23 31 13 13-1123	LF	72" x 80", 18 Gauge Galvanized Steel Duct	333.17	137.57
		For Flat Oval, Add	*15.58*	
		For Work In Restricted Working Space, Add	*68.78*	
23 31 13 13-1124	LF	72" x 82", 18 Gauge Galvanized Steel Duct	337.58	139.38
		For Flat Oval, Add	*15.79*	
		For Work In Restricted Working Space, Add	*69.69*	
23 31 13 13-1125	LF	72" x 84", 18 Gauge Galvanized Steel Duct	341.96	141.19
		For Flat Oval, Add	*16.00*	
		For Work In Restricted Working Space, Add	*70.60*	
23 31 13 13-1126	LF	72" x 86", 18 Gauge Galvanized Steel Duct	346.33	143.00
		For Flat Oval, Add	*16.20*	
		For Work In Restricted Working Space, Add	*71.50*	
23 31 13 13-1127	LF	74" x 74", 18 Gauge Galvanized Steel Duct	324.42	133.95
		For Flat Oval, Add	*15.18*	
		For Work In Restricted Working Space, Add	*66.98*	
23 31 13 13-1128	LF	74" x 76", 18 Gauge Galvanized Steel Duct	328.80	135.76
		For Flat Oval, Add	*15.38*	
		For Work In Restricted Working Space, Add	*67.88*	
23 31 13 13-1129	LF	74" x 78", 18 Gauge Galvanized Steel Duct	333.17	137.57
		For Flat Oval, Add	*15.58*	
		For Work In Restricted Working Space, Add	*68.78*	
23 31 13 13-1130	LF	74" x 80", 18 Gauge Galvanized Steel Duct	337.58	139.38
		For Flat Oval, Add	*15.79*	
		For Work In Restricted Working Space, Add	*69.69*	
23 31 13 13-1131	LF	74" x 82", 18 Gauge Galvanized Steel Duct	341.96	141.19
		For Flat Oval, Add	*16.00*	
		For Work In Restricted Working Space, Add	*70.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1132	LF	74" x 84", 18 Gauge Galvanized Steel Duct	346.33	143.00
		For Flat Oval, Add	*16.20*	
		For Work In Restricted Working Space, Add	*71.50*	
23 31 13 13-1133	LF	74" x 86", 18 Gauge Galvanized Steel Duct	350.71	144.81
		For Flat Oval, Add	*16.40*	
		For Work In Restricted Working Space, Add	*72.41*	
23 31 13 13-1134	LF	76" x 76", 18 Gauge Galvanized Steel Duct	333.17	137.57
		For Flat Oval, Add	*15.58*	
		For Work In Restricted Working Space, Add	*68.78*	
23 31 13 13-1135	LF	76" x 78", 18 Gauge Galvanized Steel Duct	337.58	139.38
		For Flat Oval, Add	*15.79*	
		For Work In Restricted Working Space, Add	*69.69*	
23 31 13 13-1136	LF	76" x 80", 18 Gauge Galvanized Steel Duct	341.96	141.19
		For Flat Oval, Add	*16.00*	
		For Work In Restricted Working Space, Add	*70.60*	
23 31 13 13-1137	LF	76" x 82", 18 Gauge Galvanized Steel Duct	346.33	143.00
		For Flat Oval, Add	*16.20*	
		For Work In Restricted Working Space, Add	*71.50*	
23 31 13 13-1138	LF	76" x 84", 18 Gauge Galvanized Steel Duct	350.71	144.81
		For Flat Oval, Add	*16.40*	
		For Work In Restricted Working Space, Add	*72.41*	
23 31 13 13-1139	LF	76" x 86", 18 Gauge Galvanized Steel Duct	355.10	146.62
		For Flat Oval, Add	*16.61*	
		For Work In Restricted Working Space, Add	*73.31*	
23 31 13 13-1140	LF	78" x 78", 18 Gauge Galvanized Steel Duct	341.96	141.19
		For Flat Oval, Add	*16.00*	
		For Work In Restricted Working Space, Add	*70.60*	
23 31 13 13-1141	LF	78" x 80", 18 Gauge Galvanized Steel Duct	346.33	143.00
		For Flat Oval, Add	*16.20*	
		For Work In Restricted Working Space, Add	*71.50*	
23 31 13 13-1142	LF	78" x 82", 18 Gauge Galvanized Steel Duct	350.71	144.81
		For Flat Oval, Add	*16.40*	
		For Work In Restricted Working Space, Add	*72.41*	
23 31 13 13-1143	LF	78" x 84", 18 Gauge Galvanized Steel Duct	355.10	146.62
		For Flat Oval, Add	*16.61*	
		For Work In Restricted Working Space, Add	*73.31*	
23 31 13 13-1144	LF	78" x 86", 18 Gauge Galvanized Steel Duct	359.49	148.43
		For Flat Oval, Add	*16.82*	
		For Work In Restricted Working Space, Add	*74.21*	
23 31 13 13-1145	LF	80" x 80", 18 Gauge Galvanized Steel Duct	350.71	144.81
		For Flat Oval, Add	*16.40*	
		For Work In Restricted Working Space, Add	*72.41*	
23 31 13 13-1146	LF	80" x 82", 18 Gauge Galvanized Steel Duct	355.10	146.62
		For Flat Oval, Add	*16.61*	
		For Work In Restricted Working Space, Add	*73.31*	
23 31 13 13-1147	LF	80" x 84", 18 Gauge Galvanized Steel Duct	359.49	148.43
		For Flat Oval, Add	*16.82*	
		For Work In Restricted Working Space, Add	*74.21*	
23 31 13 13-1148	LF	80" x 86", 18 Gauge Galvanized Steel Duct	363.87	150.24
		For Flat Oval, Add	*17.02*	
		For Work In Restricted Working Space, Add	*75.12*	
23 31 13 13-1149	LF	82" x 82", 18 Gauge Galvanized Steel Duct	359.49	148.43
		For Flat Oval, Add	*16.82*	
		For Work In Restricted Working Space, Add	*74.21*	
23 31 13 13-1150	LF	82" x 84", 18 Gauge Galvanized Steel Duct	363.87	150.24
		For Flat Oval, Add	*17.02*	
		For Work In Restricted Working Space, Add	*75.12*	
23 31 13 13-1151	LF	82" x 86", 18 Gauge Galvanized Steel Duct	368.26	152.05
		For Flat Oval, Add	*17.23*	
		For Work In Restricted Working Space, Add	*76.03*	
23 31 13 13-1152	LF	84" x 84", 18 Gauge Galvanized Steel Duct	368.26	152.05
		For Flat Oval, Add	*17.23*	
		For Work In Restricted Working Space, Add	*76.03*	
23 31 13 13-1153	LF	84" x 86", 18 Gauge Galvanized Steel Duct	372.63	153.86
		For Flat Oval, Add	*17.43*	
		For Work In Restricted Working Space, Add	*76.93*	
23 31 13 13-1154	LF	86" x 86", 18 Gauge Galvanized Steel Duct	377.01	155.67
		For Flat Oval, Add	*17.63*	
		For Work In Restricted Working Space, Add	*77.84*	

23 31 13 13-1155 Aluminum Sheet Metal Duct Alloy 3003-H14 *(23 31 13 13)*

Note: Ductwork poundage includes all fittings, transitions, collars, straps, support straps, etc.

23 31 13 13-1156	LB	Aluminum Sheet Metal Ductwork, Low Pressure, Alloy 3003-H14	14.27	2.29
		For Work In Restricted Working Space, Add	*3.89*	
		For Up To 200 LB, Add	*4.67*	
		For >200 To 500, Add	*2.89*	
		For >500 To 1,000, Add	*2.09*	
		For >1,000 To 2,000, Add	*1.18*	
		For >2,000 To 5,000, Add	*0.56*	

23 31 13 13-1157 Stainless Steel Sheet Metal Duct Type 304 *(23 31 13 13)*

Note: Ductwork poundage includes all fittings, transitions, collars, straps, support straps, etc.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1158	LB	Stainless Steel Sheet Metal Ductwork, Low Pressure, Type 304	14.53	3.05
		For Type 316 Stainless Steel, Add	*0.42*	
		For Welded Seams, Add	*5.40*	
		For Work In Restricted Working Space, Add	*3.11*	
		For Up To 200 LB, Add	*5.60*	
		For >200 To 500, Add	*3.65*	
		For >500 To 1,000, Add	*2.32*	
		For >1,000 To 2,000, Add	*1.29*	
		For >2,000 To 5,000, Add	*0.54*	
23 31 13 13-1159	LB	Stainless Steel Sheet Metal Ductwork, Medium Pressure, Type 304	16.65	3.82
		For Type 316 Stainless Steel, Add	*0.48*	
		For Welded Seams, Add	*6.17*	
		For Work In Restricted Working Space, Add	*3.56*	
		For Up To 200 LB, Add	*6.43*	
		For >200 To 500, Add	*4.19*	
		For >500 To 1,000, Add	*2.67*	
		For >1,000 To 2,000, Add	*1.48*	
		For >2,000 To 5,000, Add	*0.62*	
23 31 13 13-1160	LB	Stainless Steel Sheet Metal Ductwork, High Pressure, Type 304	20.30	4.58
		For Type 316 Stainless Steel, Add	*0.58*	
		For Welded Seams, Add	*7.54*	
		For Work In Restricted Working Space, Add	*4.35*	
		For Up To 200 LB, Add	*7.83*	
		For >200 To 500, Add	*5.10*	
		For >500 To 1,000, Add	*3.25*	
		For >1,000 To 2,000, Add	*1.80*	
		For >2,000 To 5,000, Add	*0.75*	

23 31 13 13-1161 Rework Sheet Metal Ductwork *(23 31 13 13)*

Note: Includes removal of existing ductwork and reinstallation of ductwork. Excludes new ductwork.

23 31 13 13-1162	LF	Up To 1 SF Cross Section, Rework Existing Ductwork	22.90
23 31 13 13-1163	LF	>1 To 2 SF Cross Section, Rework Existing Ductwork	44.65
23 31 13 13-1164	LF	>2 To 4 SF Cross Section, Rework Existing Ductwork	59.00
23 31 13 13-1165	LF	>4 To 6 SF Cross Section, Rework Existing Ductwork	73.88
23 31 13 13-1166	LF	>6 To 8 SF Cross Section, Rework Existing Ductwork	103.04
23 31 13 13-1167	LF	>8 To 10 SF Cross Section, Rework Existing Ductwork	120.21
23 31 13 13-1168	LF	>10 To 12 SF Cross Section, Rework Existing Ductwork	137.39
23 31 13 13-1169	LF	>12 To 14 SF Cross Section, Rework Existing Ductwork	154.56

23 31 13 16 Round and Flat-Oval Spiral Ducts *(23 31 13)*

23 31 13 16-0001 Factory Fabricated Field Installed Low Pressure Round Duct *(23 31 13 16)*

Note: Based on 26 gauge.

23 31 13 16-0002 Round Duct *(23 31 13 16-0001)*

Note: Includes straps and supports.

23 31 13 16-0003	LF	4" Round Galvanized Sheet Metal Duct, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	5.34	1.89
		For 28 Gauge, Deduct	*-0.20*	
		For 24 Gauge, Add	*0.20*	
		For 22 Gauge, Add	*0.40*	
		For 20 Gauge, Add	*0.60*	
		For 18 Gauge, Add	*0.80*	
		For 16 Gauge, Add	*0.99*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*1.08*	
		For Acid Resistant Asphaltum Coating, Add	*3.76*	
		For Work In Restricted Working Space, Add	*1.16*	
23 31 13 16-0004	LF	5" Round Galvanized Sheet Metal Duct, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	6.18	2.15
		For 28 Gauge, Deduct	*-0.26*	
		For 24 Gauge, Add	*0.26*	
		For 22 Gauge, Add	*0.52*	
		For 20 Gauge, Add	*0.77*	
		For 18 Gauge, Add	*1.03*	
		For 16 Gauge, Add	*1.26*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*1.38*	
		For Acid Resistant Asphaltum Coating, Add	*4.20*	
		For Work In Restricted Working Space, Add	*1.29*	
23 31 13 16-0005	LF	6" Round Galvanized Sheet Metal Duct, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	6.99	2.59
		For 28 Gauge, Deduct	*-0.30*	
		For 24 Gauge, Add	*0.30*	
		For 22 Gauge, Add	*0.59*	
		For 20 Gauge, Add	*0.89*	
		For 18 Gauge, Add	*1.18*	
		For 16 Gauge, Add	*1.44*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*1.58*	
		For Acid Resistant Asphaltum Coating, Add	*4.64*	
		For Work In Restricted Working Space, Add	*1.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0006	LF	7" Round Galvanized Sheet Metal Duct, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	8.06	3.02
		For 28 Gauge, Deduct	*-0.35*	
		For 24 Gauge, Add	*0.35*	
		For 22 Gauge, Add	*0.69*	
		For 20 Gauge, Add	*1.04*	
		For 18 Gauge, Add	*1.39*	
		For 16 Gauge, Add	*1.70*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*1.86*	
		For Acid Resistant Asphaltum Coating, Add	*5.08*	
		For Work In Restricted Working Space, Add	*1.66*	
23 31 13 16-0007	LF	8" Round Galvanized Sheet Metal Duct, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	9.27	3.45
		For 28 Gauge, Deduct	*-0.39*	
		For 24 Gauge, Add	*0.39*	
		For 22 Gauge, Add	*0.77*	
		For 20 Gauge, Add	*1.16*	
		For 18 Gauge, Add	*1.55*	
		For 16 Gauge, Add	*1.90*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.08*	
		For Acid Resistant Asphaltum Coating, Add	*5.52*	
		For Work In Restricted Working Space, Add	*1.94*	
23 31 13 16-0008	LF	10" Round Galvanized Sheet Metal Duct, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	11.22	4.31
		For 28 Gauge, Deduct	*-0.48*	
		For 24 Gauge, Add	*0.48*	
		For 22 Gauge, Add	*0.95*	
		For 20 Gauge, Add	*1.43*	
		For 18 Gauge, Add	*1.90*	
		For 16 Gauge, Add	*2.34*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.56*	
		For Acid Resistant Asphaltum Coating, Add	*6.40*	
		For Work In Restricted Working Space, Add	*2.33*	
23 31 13 16-0009	LF	12" Round Galvanized Sheet Metal Duct, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	13.94	5.78
		For 28 Gauge, Deduct	*-0.59*	
		For 24 Gauge, Add	*0.59*	
		For 22 Gauge, Add	*1.17*	
		For 20 Gauge, Add	*1.76*	
		For 18 Gauge, Add	*2.34*	
		For 16 Gauge, Add	*2.87*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.15*	
		For Acid Resistant Asphaltum Coating, Add	*6.90*	
		For Work In Restricted Working Space, Add	*2.91*	
23 31 13 16-0010	LF	14" Round Galvanized Sheet Metal Duct, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	17.06	8.62
		For 28 Gauge, Deduct	*-0.68*	
		For 24 Gauge, Add	*0.68*	
		For 22 Gauge, Add	*1.36*	
		For 20 Gauge, Add	*2.05*	
		For 18 Gauge, Add	*2.72*	
		For 16 Gauge, Add	*3.33*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.66*	
		For Acid Resistant Asphaltum Coating, Add	*7.26*	
		For Work In Restricted Working Space, Add	*3.64*	
23 31 13 16-0011	LF	16" Round Galvanized Sheet Metal Duct, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	23.49	11.55
		For 28 Gauge, Deduct	*-1.01*	
		For 24 Gauge, Add	*1.01*	
		For 22 Gauge, Add	*2.02*	
		For 20 Gauge, Add	*3.03*	
		For 18 Gauge, Add	*4.03*	
		For 16 Gauge, Add	*4.94*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.42*	
		For Acid Resistant Asphaltum Coating, Add	*7.58*	
		For Work In Restricted Working Space, Add	*4.85*	

23 31 13 16-0012 Round Adjustable Elbows *(23 31 13 16-0001)*

Note: Up to 90 degree.

23 31 13 16-0013	EA	4" Round Adjustable Galvanized Sheet Metal Elbows, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	29.91	11.51
		For 28 Gauge, Deduct	*-0.96*	
		For 24 Gauge, Add	*0.95*	
		For 22 Gauge, Add	*1.90*	
		For 20 Gauge, Add	*2.86*	
		For 18 Gauge, Add	*3.80*	
		For 16 Gauge, Add	*4.66*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.11*	
		For Work In Restricted Working Space, Add	*6.90*	
23 31 13 16-0014	EA	5" Round Adjustable Galvanized Sheet Metal Elbows, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	34.06	13.28
		For 28 Gauge, Deduct	*-1.04*	
		For 24 Gauge, Add	*1.04*	
		For 22 Gauge, Add	*2.07*	
		For 20 Gauge, Add	*3.11*	
		For 18 Gauge, Add	*4.13*	
		For 16 Gauge, Add	*5.07*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.56*	
		For Work In Restricted Working Space, Add	*7.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0015	EA	6" Round Adjustable Galvanized Sheet Metal Elbows, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	39.82	15.68
		For 28 Gauge, Deduct	*-1.17*	
		For 24 Gauge, Add	*1.16*	
		For 22 Gauge, Add	*2.33*	
		For 20 Gauge, Add	*3.49*	
		For 18 Gauge, Add	*4.64*	
		For 16 Gauge, Add	*5.70*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.25*	
		For Work In Restricted Working Space, Add	*9.41*	
23 31 13 16-0016	EA	7" Round Adjustable Galvanized Sheet Metal Elbows, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	50.71	20.17
		For 28 Gauge, Deduct	*-1.44*	
		For 24 Gauge, Add	*1.43*	
		For 22 Gauge, Add	*2.86*	
		For 20 Gauge, Add	*4.29*	
		For 18 Gauge, Add	*5.70*	
		For 16 Gauge, Add	*7.00*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.67*	
		For Work In Restricted Working Space, Add	*12.10*	
23 31 13 16-0017	EA	8" Round Adjustable Galvanized Sheet Metal Elbows, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	60.35	24.56
		For 28 Gauge, Deduct	*-1.55*	
		For 24 Gauge, Add	*1.55*	
		For 22 Gauge, Add	*3.09*	
		For 20 Gauge, Add	*4.64*	
		For 18 Gauge, Add	*6.17*	
		For 16 Gauge, Add	*7.57*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.30*	
		For Work In Restricted Working Space, Add	*14.74*	
23 31 13 16-0018	EA	10" Round Adjustable Galvanized Sheet Metal Elbows, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	91.51	38.36
		For 28 Gauge, Deduct	*-2.05*	
		For 24 Gauge, Add	*2.04*	
		For 22 Gauge, Add	*4.07*	
		For 20 Gauge, Add	*6.12*	
		For 18 Gauge, Add	*8.13*	
		For 16 Gauge, Add	*9.98*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*10.94*	
		For Work In Restricted Working Space, Add	*23.02*	
23 31 13 16-0019	EA	12" Round Adjustable Galvanized Sheet Metal Elbows, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	126.07	53.01
		For 28 Gauge, Deduct	*-2.78*	
		For 24 Gauge, Add	*2.77*	
		For 22 Gauge, Add	*5.52*	
		For 20 Gauge, Add	*8.30*	
		For 18 Gauge, Add	*11.02*	
		For 16 Gauge, Add	*13.53*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*14.83*	
		For Work In Restricted Working Space, Add	*31.81*	
23 31 13 16-0020	EA	14" Round Adjustable Galvanized Sheet Metal Elbows, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	156.14	62.71
		For 28 Gauge, Deduct	*-4.25*	
		For 24 Gauge, Add	*4.24*	
		For 22 Gauge, Add	*8.46*	
		For 20 Gauge, Add	*12.72*	
		For 18 Gauge, Add	*16.90*	
		For 16 Gauge, Add	*20.74*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*22.73*	
		For Work In Restricted Working Space, Add	*37.63*	
23 31 13 16-0021	EA	16" Round Adjustable Galvanized Sheet Metal Elbows, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	181.94	68.96
		For 28 Gauge, Deduct	*-6.10*	
		For 24 Gauge, Add	*6.07*	
		For 22 Gauge, Add	*12.13*	
		For 20 Gauge, Add	*18.22*	
		For 18 Gauge, Add	*24.21*	
		For 16 Gauge, Add	*29.71*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*32.57*	
		For Work In Restricted Working Space, Add	*41.38*	

23 31 13 16-0022 90 Degree Round Elbows *(23 31 13 16-0001)*

23 31 13 16-0023	EA	4" Round Galvanized Sheet Metal 90 Degree Elbows, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	25.20	7.76
		For 28 Gauge, Deduct	*-0.80*	
		For 24 Gauge, Add	*0.80*	
		For 22 Gauge, Add	*1.60*	
		For 20 Gauge, Add	*2.40*	
		For 18 Gauge, Add	*3.19*	
		For 16 Gauge, Add	*3.92*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.29*	
		For Work In Restricted Working Space, Add	*5.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0024	EA	5" Round Galvanized Sheet Metal 90 Degree Elbows, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	28.78	8.88
		For 28 Gauge, Deduct	*-0.92*	
		For 24 Gauge, Add	*0.91*	
		For 22 Gauge, Add	*1.82*	
		For 20 Gauge, Add	*2.74*	
		For 18 Gauge, Add	*3.64*	
		For 16 Gauge, Add	*4.46*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.89*	
		For Work In Restricted Working Space, Add	*6.65*	
23 31 13 16-0025	EA	6" Round Galvanized Sheet Metal 90 Degree Elbows, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	33.39	10.35
		For 28 Gauge, Deduct	*-1.04*	
		For 24 Gauge, Add	*1.04*	
		For 22 Gauge, Add	*2.07*	
		For 20 Gauge, Add	*3.12*	
		For 18 Gauge, Add	*4.14*	
		For 16 Gauge, Add	*5.08*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.57*	
		For Work In Restricted Working Space, Add	*7.76*	
23 31 13 16-0026	EA	7" Round Galvanized Sheet Metal 90 Degree Elbows, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	39.01	12.41
		For 28 Gauge, Deduct	*-1.10*	
		For 24 Gauge, Add	*1.10*	
		For 22 Gauge, Add	*2.20*	
		For 20 Gauge, Add	*3.30*	
		For 18 Gauge, Add	*4.38*	
		For 16 Gauge, Add	*5.38*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.90*	
		For Work In Restricted Working Space, Add	*9.31*	
23 31 13 16-0027	EA	8" Round Galvanized Sheet Metal 90 Degree Elbows, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	48.05	15.51
		For 28 Gauge, Deduct	*-1.28*	
		For 24 Gauge, Add	*1.28*	
		For 22 Gauge, Add	*2.55*	
		For 20 Gauge, Add	*3.83*	
		For 18 Gauge, Add	*5.09*	
		For 16 Gauge, Add	*6.25*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.85*	
		For Work In Restricted Working Space, Add	*11.64*	
23 31 13 16-0028	EA	10" Round Galvanized Sheet Metal 90 Degree Elbows, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	64.94	20.69
		For 28 Gauge, Deduct	*-1.83*	
		For 24 Gauge, Add	*1.82*	
		For 22 Gauge, Add	*3.64*	
		For 20 Gauge, Add	*5.47*	
		For 18 Gauge, Add	*7.27*	
		For 16 Gauge, Add	*8.92*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*9.78*	
		For Work In Restricted Working Space, Add	*15.52*	
23 31 13 16-0029	EA	12" Round Galvanized Sheet Metal 90 Degree Elbows, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	95.08	31.04
		For 28 Gauge, Deduct	*-2.42*	
		For 24 Gauge, Add	*2.42*	
		For 22 Gauge, Add	*4.82*	
		For 20 Gauge, Add	*7.25*	
		For 18 Gauge, Add	*9.63*	
		For 16 Gauge, Add	*11.81*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*12.95*	
		For Work In Restricted Working Space, Add	*23.27*	
23 31 13 16-0030	EA	14" Round Galvanized Sheet Metal 90 Degree Elbows, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	131.88	39.65
		For 28 Gauge, Deduct	*-4.54*	
		For 24 Gauge, Add	*4.52*	
		For 22 Gauge, Add	*9.02*	
		For 20 Gauge, Add	*13.56*	
		For 18 Gauge, Add	*18.01*	
		For 16 Gauge, Add	*22.11*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*24.24*	
		For Work In Restricted Working Space, Add	*29.74*	
23 31 13 16-0031	EA	16" Round Galvanized Sheet Metal 90 Degree Elbows, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	165.07	49.99
		For 28 Gauge, Deduct	*-5.55*	
		For 24 Gauge, Add	*5.53*	
		For 22 Gauge, Add	*11.04*	
		For 20 Gauge, Add	*16.59*	
		For 18 Gauge, Add	*22.04*	
		For 16 Gauge, Add	*27.05*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*29.66*	
		For Work In Restricted Working Space, Add	*37.50*	

23 31 13 16-0032 45 Degree Round Elbows *(23 31 13 16-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0033	EA	4" Round Galvanized Sheet Metal 45 Degree Elbows, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	23.04	7.76
		For 28 Gauge, Deduct	*-0.50*	
		For 24 Gauge, Add	*0.50*	
		For 22 Gauge, Add	*1.00*	
		For 20 Gauge, Add	*1.51*	
		For 18 Gauge, Add	*2.00*	
		For 16 Gauge, Add	*2.46*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.69*	
		For Work In Restricted Working Space, Add	*5.82*	
23 31 13 16-0034	EA	5" Round Galvanized Sheet Metal 45 Degree Elbows, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	26.85	8.88
		For 28 Gauge, Deduct	*-0.65*	
		For 24 Gauge, Add	*0.65*	
		For 22 Gauge, Add	*1.29*	
		For 20 Gauge, Add	*1.94*	
		For 18 Gauge, Add	*2.57*	
		For 16 Gauge, Add	*3.16*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.46*	
		For Work In Restricted Working Space, Add	*6.65*	
23 31 13 16-0035	EA	6" Round Galvanized Sheet Metal 45 Degree Elbows, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	30.97	10.35
		For 28 Gauge, Deduct	*-0.71*	
		For 24 Gauge, Add	*0.71*	
		For 22 Gauge, Add	*1.41*	
		For 20 Gauge, Add	*2.12*	
		For 18 Gauge, Add	*2.81*	
		For 16 Gauge, Add	*3.45*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.78*	
		For Work In Restricted Working Space, Add	*7.76*	
23 31 13 16-0036	EA	7" Round Galvanized Sheet Metal 45 Degree Elbows, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	36.96	12.41
		For 28 Gauge, Deduct	*-0.82*	
		For 24 Gauge, Add	*0.82*	
		For 22 Gauge, Add	*1.63*	
		For 20 Gauge, Add	*2.45*	
		For 18 Gauge, Add	*3.26*	
		For 16 Gauge, Add	*4.00*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.38*	
		For Work In Restricted Working Space, Add	*9.31*	
23 31 13 16-0037	EA	8" Round Galvanized Sheet Metal 45 Degree Elbows, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	45.52	15.51
		For 28 Gauge, Deduct	*-0.93*	
		For 24 Gauge, Add	*0.93*	
		For 22 Gauge, Add	*1.85*	
		For 20 Gauge, Add	*2.79*	
		For 18 Gauge, Add	*3.70*	
		For 16 Gauge, Add	*4.54*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.98*	
		For Work In Restricted Working Space, Add	*11.64*	
23 31 13 16-0038	EA	10" Round Galvanized Sheet Metal 45 Degree Elbows, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	61.99	20.69
		For 28 Gauge, Deduct	*-1.42*	
		For 24 Gauge, Add	*1.42*	
		For 22 Gauge, Add	*2.83*	
		For 20 Gauge, Add	*4.25*	
		For 18 Gauge, Add	*5.65*	
		For 16 Gauge, Add	*6.93*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.60*	
		For Work In Restricted Working Space, Add	*15.52*	
23 31 13 16-0039	EA	12" Round Galvanized Sheet Metal 45 Degree Elbows, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	90.80	31.04
		For 28 Gauge, Deduct	*-1.83*	
		For 24 Gauge, Add	*1.82*	
		For 22 Gauge, Add	*3.64*	
		For 20 Gauge, Add	*5.47*	
		For 18 Gauge, Add	*7.27*	
		For 16 Gauge, Add	*8.92*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*9.78*	
		For Work In Restricted Working Space, Add	*23.27*	
23 31 13 16-0040	EA	14" Round Galvanized Sheet Metal 45 Degree Elbows, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	122.02	39.65
		For 28 Gauge, Deduct	*-3.17*	
		For 24 Gauge, Add	*3.16*	
		For 22 Gauge, Add	*6.31*	
		For 20 Gauge, Add	*9.48*	
		For 18 Gauge, Add	*12.59*	
		For 16 Gauge, Add	*15.45*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*16.94*	
		For Work In Restricted Working Space, Add	*29.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0041	EA	16" Round Galvanized Sheet Metal 45 Degree Elbows, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	162.52	49.99
		For 28 Gauge, Deduct	*-5.20*	
		For 24 Gauge, Add	*5.18*	
		For 22 Gauge, Add	*10.34*	
		For 20 Gauge, Add	*15.54*	
		For 18 Gauge, Add	*20.64*	
		For 16 Gauge, Add	*25.33*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*27.77*	
		For Work In Restricted Working Space, Add	*37.50*	

23 31 13 16-0042 Round Tee *(23 31 13 16-0001)*

23 31 13 16-0043	EA	4" Round Galvanized Sheet Metal Tee, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	37.21	11.64
		For 28 Gauge, Deduct	*-1.12*	
		For 24 Gauge, Add	*1.12*	
		For 22 Gauge, Add	*2.24*	
		For 20 Gauge, Add	*3.36*	
		For 18 Gauge, Add	*4.47*	
		For 16 Gauge, Add	*5.48*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.01*	
		For Work In Restricted Working Space, Add	*8.73*	
23 31 13 16-0044	EA	5" Round Galvanized Sheet Metal Tee, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	44.03	13.28
		For 28 Gauge, Deduct	*-1.49*	
		For 24 Gauge, Add	*1.49*	
		For 22 Gauge, Add	*2.97*	
		For 20 Gauge, Add	*4.46*	
		For 18 Gauge, Add	*5.93*	
		For 16 Gauge, Add	*7.28*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.98*	
		For Work In Restricted Working Space, Add	*9.98*	
23 31 13 16-0045	EA	6" Round Galvanized Sheet Metal Tee, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	50.49	15.51
		For 28 Gauge, Deduct	*-1.62*	
		For 24 Gauge, Add	*1.61*	
		For 22 Gauge, Add	*3.22*	
		For 20 Gauge, Add	*4.84*	
		For 18 Gauge, Add	*6.44*	
		For 16 Gauge, Add	*7.90*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.66*	
		For Work In Restricted Working Space, Add	*11.64*	
23 31 13 16-0046	EA	7" Round Galvanized Sheet Metal Tee, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	60.01	18.62
		For 28 Gauge, Deduct	*-1.87*	
		For 24 Gauge, Add	*1.86*	
		For 22 Gauge, Add	*3.71*	
		For 20 Gauge, Add	*5.58*	
		For 18 Gauge, Add	*7.41*	
		For 16 Gauge, Add	*9.09*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*9.97*	
		For Work In Restricted Working Space, Add	*13.96*	
23 31 13 16-0047	EA	8" Round Galvanized Sheet Metal Tee, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	79.96	23.27
		For 28 Gauge, Deduct	*-3.02*	
		For 24 Gauge, Add	*3.00*	
		For 22 Gauge, Add	*6.00*	
		For 20 Gauge, Add	*9.01*	
		For 18 Gauge, Add	*11.97*	
		For 16 Gauge, Add	*14.69*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*16.11*	
		For Work In Restricted Working Space, Add	*17.46*	
23 31 13 16-0048	EA	10" Round Galvanized Sheet Metal Tee, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	105.35	31.04
		For 28 Gauge, Deduct	*-3.85*	
		For 24 Gauge, Add	*3.83*	
		For 22 Gauge, Add	*7.65*	
		For 20 Gauge, Add	*11.50*	
		For 18 Gauge, Add	*15.27*	
		For 16 Gauge, Add	*18.74*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*20.55*	
		For Work In Restricted Working Space, Add	*23.27*	
23 31 13 16-0049	EA	12" Round Galvanized Sheet Metal Tee, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	144.11	46.55
		For 28 Gauge, Deduct	*-3.85*	
		For 24 Gauge, Add	*3.83*	
		For 22 Gauge, Add	*7.65*	
		For 20 Gauge, Add	*11.50*	
		For 18 Gauge, Add	*15.27*	
		For 16 Gauge, Add	*18.74*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*20.55*	
		For Work In Restricted Working Space, Add	*34.90*	
23 31 13 16-0050	EA	14" Round Galvanized Sheet Metal Tee, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	201.51	59.30
		For 28 Gauge, Deduct	*-7.33*	
		For 24 Gauge, Add	*7.30*	
		For 22 Gauge, Add	*14.57*	
		For 20 Gauge, Add	*21.90*	
		For 18 Gauge, Add	*29.09*	
		For 16 Gauge, Add	*35.70*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*39.14*	
		For Work In Restricted Working Space, Add	*44.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0051	EA	16" Round Galvanized Sheet Metal Tee, 26 Gauge, Factory Fabricated, Field Installed, Low Pressure	261.65	75.17
		For 28 Gauge, Deduct	*-10.28*	
		For 24 Gauge, Add	*10.25*	
		For 22 Gauge, Add	*20.46*	
		For 20 Gauge, Add	*30.74*	
		For 18 Gauge, Add	*40.84*	
		For 16 Gauge, Add	*50.12*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*54.95*	
		For Work In Restricted Working Space, Add	*56.22*	

23 31 13 16-0052 Round Connector *(23 31 13 16-0001)*

23 31 13 16-0053	EA	4" Round Connector	16.52	
		For Work In Restricted Working Space, Add	*4.14*	
23 31 13 16-0054	EA	5" Round Connector	17.43	
		For Work In Restricted Working Space, Add	*4.35*	
23 31 13 16-0055	EA	6" Round Connector	18.66	
		For Work In Restricted Working Space, Add	*4.65*	
23 31 13 16-0056	EA	7" Round Connector	19.98	
		For Work In Restricted Working Space, Add	*4.91*	
23 31 13 16-0057	EA	8" Round Connector	21.74	
		For Work In Restricted Working Space, Add	*5.30*	
23 31 13 16-0058	EA	10" Round Connector	26.15	
		For Work In Restricted Working Space, Add	*5.92*	
23 31 13 16-0059	EA	12" Round Connector	35.31	
		For Work In Restricted Working Space, Add	*8.27*	
23 31 13 16-0060	EA	14" Round Connector	40.38	
		For Work In Restricted Working Space, Add	*9.42*	
23 31 13 16-0061	EA	16" Round Connector	44.47	
		For Work In Restricted Working Space, Add	*10.32*	

23 31 13 16-0062 26 Gauge, Slip Joint, Galvanized, Spiral Duct And Fittings *(23 31 13 16)*

23 31 13 16-0063 26 Gauge, Slip Joint, Galvanized, Spiral Duct *(23 31 13 16-0062)*

23 31 13 16-0064	LF	4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct	5.75	0.80
		For 24 Gauge, Add	*0.30*	
		For 22 Gauge, Add	*0.69*	
		For 20 Gauge, Add	*1.12*	
		For 18 Gauge, Add	*1.71*	
		For 16 Gauge, Add	*2.09*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*1.10*	
		For Work In Restricted Working Space, Add	*1.28*	
23 31 13 16-0065	LF	6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct	7.26	1.59
		For 24 Gauge, Add	*0.43*	
		For 22 Gauge, Add	*0.99*	
		For 20 Gauge, Add	*1.61*	
		For 18 Gauge, Add	*2.47*	
		For 16 Gauge, Add	*3.01*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*1.59*	
		For Work In Restricted Working Space, Add	*1.53*	
23 31 13 16-0066	LF	8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct	9.17	1.59
		For 24 Gauge, Add	*0.57*	
		For 22 Gauge, Add	*1.31*	
		For 20 Gauge, Add	*2.13*	
		For 18 Gauge, Add	*3.27*	
		For 16 Gauge, Add	*3.98*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.10*	
		For Work In Restricted Working Space, Add	*1.90*	
23 31 13 16-0067	LF	10" 26 Gauge, Slip Joint, Galvanized, Spiral Duct	11.10	1.59
		For 24 Gauge, Add	*0.70*	
		For 22 Gauge, Add	*1.61*	
		For 20 Gauge, Add	*2.63*	
		For 18 Gauge, Add	*4.03*	
		For 16 Gauge, Add	*4.90*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.59*	
		For Work In Restricted Working Space, Add	*2.28*	
23 31 13 16-0068	LF	12" 26 Gauge, Slip Joint, Galvanized, Spiral Duct	13.83	2.38
		For 24 Gauge, Add	*0.86*	
		For 22 Gauge, Add	*1.98*	
		For 20 Gauge, Add	*3.23*	
		For 18 Gauge, Add	*4.95*	
		For 16 Gauge, Add	*6.02*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.18*	
		For Work In Restricted Working Space, Add	*2.86*	
23 31 13 16-0069	LF	14" 26 Gauge, Slip Joint, Galvanized, Spiral Duct	16.90	2.38
		For 24 Gauge, Add	*1.00*	
		For 22 Gauge, Add	*2.30*	
		For 20 Gauge, Add	*3.74*	
		For 18 Gauge, Add	*5.74*	
		For 16 Gauge, Add	*6.99*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.69*	
		For Work In Restricted Working Space, Add	*3.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0070	LF	16" 26 Gauge, Slip Joint, Galvanized, Spiral Duct	23.10	2.38
		For 24 Gauge, Add	*1.45*	
		For 22 Gauge, Add	*3.33*	
		For 20 Gauge, Add	*5.43*	
		For 18 Gauge, Add	*8.33*	
		For 16 Gauge, Add	*10.14*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.36*	
		For Work In Restricted Working Space, Add	*4.76*	
23 31 13 16-0071	LF	18" 26 Gauge, Slip Joint, Galvanized, Spiral Duct	26.51	3.17
		For 24 Gauge, Add	*1.61*	
		For 22 Gauge, Add	*3.69*	
		For 20 Gauge, Add	*6.02*	
		For 18 Gauge, Add	*9.23*	
		For 16 Gauge, Add	*11.24*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.94*	
		For Work In Restricted Working Space, Add	*5.54*	
23 31 13 16-0072	LF	20" 26 Gauge, Slip Joint, Galvanized, Spiral Duct	29.95	3.17
		For 24 Gauge, Add	*1.79*	
		For 22 Gauge, Add	*4.12*	
		For 20 Gauge, Add	*6.72*	
		For 18 Gauge, Add	*10.30*	
		For 16 Gauge, Add	*12.54*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.63*	
		For Work In Restricted Working Space, Add	*6.30*	
23 31 13 16-0073	LF	22" 26 Gauge, Slip Joint, Galvanized, Spiral Duct	33.54	3.97
		For 24 Gauge, Add	*1.98*	
		For 22 Gauge, Add	*4.55*	
		For 20 Gauge, Add	*7.43*	
		For 18 Gauge, Add	*11.39*	
		For 16 Gauge, Add	*13.86*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.33*	
		For Work In Restricted Working Space, Add	*7.09*	
23 31 13 16-0074	LF	24" 26 Gauge, Slip Joint, Galvanized, Spiral Duct	37.22	4.76
		For 24 Gauge, Add	*2.15*	
		For 22 Gauge, Add	*4.95*	
		For 20 Gauge, Add	*8.07*	
		For 18 Gauge, Add	*12.37*	
		For 16 Gauge, Add	*15.06*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.96*	
		For Work In Restricted Working Space, Add	*7.94*	

23 31 13 16-0075 26 Gauge, Slip Joint, Galvanized, Spiral 90 Degree Elbows *(23 31 13 16-0062)*

23 31 13 16-0076	EA	4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	56.09	11.12
		For 24 Gauge, Add	*2.64*	
		For 22 Gauge, Add	*6.06*	
		For 20 Gauge, Add	*9.89*	
		For 18 Gauge, Add	*15.16*	
		For 16 Gauge, Add	*18.45*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*9.75*	
		For Work In Restricted Working Space, Add	*12.87*	
23 31 13 16-0077	EA	6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	82.23	15.88
		For 24 Gauge, Add	*3.74*	
		For 22 Gauge, Add	*8.61*	
		For 20 Gauge, Add	*14.04*	
		For 18 Gauge, Add	*21.53*	
		For 16 Gauge, Add	*26.21*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*13.85*	
		For Work In Restricted Working Space, Add	*19.05*	
23 31 13 16-0078	EA	8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	119.26	20.63
		For 24 Gauge, Add	*7.14*	
		For 22 Gauge, Add	*16.42*	
		For 20 Gauge, Add	*26.78*	
		For 18 Gauge, Add	*41.06*	
		For 16 Gauge, Add	*49.98*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*26.42*	
		For Work In Restricted Working Space, Add	*25.07*	
23 31 13 16-0079	EA	10" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	147.87	26.19
		For 24 Gauge, Add	*8.41*	
		For 22 Gauge, Add	*19.33*	
		For 20 Gauge, Add	*31.52*	
		For 18 Gauge, Add	*48.33*	
		For 16 Gauge, Add	*58.84*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*31.10*	
		For Work In Restricted Working Space, Add	*31.75*	
23 31 13 16-0080	EA	12" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	181.66	33.34
		For 24 Gauge, Add	*9.87*	
		For 22 Gauge, Add	*22.70*	
		For 20 Gauge, Add	*37.01*	
		For 18 Gauge, Add	*56.75*	
		For 16 Gauge, Add	*69.09*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*36.52*	
		For Work In Restricted Working Space, Add	*39.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0081	EA	14" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	199.27	36.52
		For 24 Gauge, Add	*10.99*	
		For 22 Gauge, Add	*25.27*	
		For 20 Gauge, Add	*41.21*	
		For 18 Gauge, Add	*63.18*	
		For 16 Gauge, Add	*76.92*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*40.66*	
		For Work In Restricted Working Space, Add	*43.30*	
23 31 13 16-0082	EA	16" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	235.01	42.87
		For 24 Gauge, Add	*12.86*	
		For 22 Gauge, Add	*29.57*	
		For 20 Gauge, Add	*48.22*	
		For 18 Gauge, Add	*73.93*	
		For 16 Gauge, Add	*90.01*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*47.57*	
		For Work In Restricted Working Space, Add	*51.22*	
23 31 13 16-0083	EA	18" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	285.66	53.18
		For 24 Gauge, Add	*14.80*	
		For 22 Gauge, Add	*34.03*	
		For 20 Gauge, Add	*55.49*	
		For 18 Gauge, Add	*85.08*	
		For 16 Gauge, Add	*103.57*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*54.75*	
		For Work In Restricted Working Space, Add	*63.50*	
23 31 13 16-0084	EA	20" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	343.41	64.30
		For 24 Gauge, Add	*17.47*	
		For 22 Gauge, Add	*40.17*	
		For 20 Gauge, Add	*65.50*	
		For 18 Gauge, Add	*100.43*	
		For 16 Gauge, Add	*122.26*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*64.62*	
		For Work In Restricted Working Space, Add	*76.82*	
23 31 13 16-0085	EA	22" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	398.66	74.62
		For 24 Gauge, Add	*19.82*	
		For 22 Gauge, Add	*45.59*	
		For 20 Gauge, Add	*74.33*	
		For 18 Gauge, Add	*113.98*	
		For 16 Gauge, Add	*138.75*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*73.34*	
		For Work In Restricted Working Space, Add	*89.87*	
23 31 13 16-0086	EA	24" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	460.11	84.94
		For 24 Gauge, Add	*24.46*	
		For 22 Gauge, Add	*56.26*	
		For 20 Gauge, Add	*91.73*	
		For 18 Gauge, Add	*140.66*	
		For 16 Gauge, Add	*171.23*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*90.51*	
		For Work In Restricted Working Space, Add	*101.34*	

23 31 13 16-0087 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbows *(23 31 13 16-0062)*

23 31 13 16-0088	EA	4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	56.71	11.12
		For 24 Gauge, Add	*2.76*	
		For 22 Gauge, Add	*6.35*	
		For 20 Gauge, Add	*10.35*	
		For 18 Gauge, Add	*15.87*	
		For 16 Gauge, Add	*19.32*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*10.21*	
		For Work In Restricted Working Space, Add	*12.87*	
23 31 13 16-0089	EA	6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	79.02	15.88
		For 24 Gauge, Add	*3.10*	
		For 22 Gauge, Add	*7.13*	
		For 20 Gauge, Add	*11.63*	
		For 18 Gauge, Add	*17.84*	
		For 16 Gauge, Add	*21.71*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*11.48*	
		For Work In Restricted Working Space, Add	*19.05*	
23 31 13 16-0090	EA	8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	104.35	20.63
		For 24 Gauge, Add	*4.16*	
		For 22 Gauge, Add	*9.56*	
		For 20 Gauge, Add	*15.59*	
		For 18 Gauge, Add	*23.91*	
		For 16 Gauge, Add	*29.11*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*15.38*	
		For Work In Restricted Working Space, Add	*25.07*	
23 31 13 16-0091	EA	10" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	131.83	26.19
		For 24 Gauge, Add	*5.20*	
		For 22 Gauge, Add	*11.96*	
		For 20 Gauge, Add	*19.49*	
		For 18 Gauge, Add	*29.89*	
		For 16 Gauge, Add	*36.39*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*19.23*	
		For Work In Restricted Working Space, Add	*31.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0092	EA	12" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	162.52	33.34
		For 24 Gauge, Add	*6.04*	
		For 22 Gauge, Add	*13.90*	
		For 20 Gauge, Add	*22.66*	
		For 18 Gauge, Add	*34.74*	
		For 16 Gauge, Add	*42.29*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*22.36*	
		For Work In Restricted Working Space, Add	*39.69*	
23 31 13 16-0093	EA	14" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	177.91	36.52
		For 24 Gauge, Add	*6.72*	
		For 22 Gauge, Add	*15.45*	
		For 20 Gauge, Add	*25.19*	
		For 18 Gauge, Add	*38.62*	
		For 16 Gauge, Add	*47.01*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*24.85*	
		For Work In Restricted Working Space, Add	*43.30*	
23 31 13 16-0094	EA	16" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	225.77	42.87
		For 24 Gauge, Add	*11.01*	
		For 22 Gauge, Add	*25.32*	
		For 20 Gauge, Add	*41.29*	
		For 18 Gauge, Add	*63.31*	
		For 16 Gauge, Add	*77.07*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*40.74*	
		For Work In Restricted Working Space, Add	*51.22*	
23 31 13 16-0095	EA	18" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	279.11	53.18
		For 24 Gauge, Add	*13.49*	
		For 22 Gauge, Add	*31.02*	
		For 20 Gauge, Add	*50.57*	
		For 18 Gauge, Add	*77.54*	
		For 16 Gauge, Add	*94.40*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*49.90*	
		For Work In Restricted Working Space, Add	*63.50*	
23 31 13 16-0096	EA	20" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	341.40	64.30
		For 24 Gauge, Add	*17.06*	
		For 22 Gauge, Add	*39.25*	
		For 20 Gauge, Add	*63.99*	
		For 18 Gauge, Add	*98.12*	
		For 16 Gauge, Add	*119.45*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*63.14*	
		For Work In Restricted Working Space, Add	*76.82*	
23 31 13 16-0097	EA	22" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	375.93	74.62
		For 24 Gauge, Add	*15.28*	
		For 22 Gauge, Add	*35.13*	
		For 20 Gauge, Add	*57.29*	
		For 18 Gauge, Add	*87.84*	
		For 16 Gauge, Add	*106.93*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*56.52*	
		For Work In Restricted Working Space, Add	*89.87*	
23 31 13 16-0098	EA	24" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	452.02	84.94
		For 24 Gauge, Add	*22.84*	
		For 22 Gauge, Add	*52.54*	
		For 20 Gauge, Add	*85.67*	
		For 18 Gauge, Add	*131.35*	
		For 16 Gauge, Add	*159.91*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*84.52*	
		For Work In Restricted Working Space, Add	*101.34*	

23 31 13 16-0099 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Laterals

(23 31 13 16-0062)

23 31 13 16-0100	EA	6" x 6" x 4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	113.23	20.63
		For 24 Gauge, Add	*5.93*	
		For 22 Gauge, Add	*13.65*	
		For 20 Gauge, Add	*22.25*	
		For 18 Gauge, Add	*34.12*	
		For 16 Gauge, Add	*41.54*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*21.96*	
		For Work In Restricted Working Space, Add	*25.07*	
23 31 13 16-0101	EA	8" x 8" x 4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	163.41	33.34
		For 24 Gauge, Add	*6.22*	
		For 22 Gauge, Add	*14.31*	
		For 20 Gauge, Add	*23.33*	
		For 18 Gauge, Add	*35.77*	
		For 16 Gauge, Add	*43.54*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*23.01*	
		For Work In Restricted Working Space, Add	*39.69*	
23 31 13 16-0102	EA	10" x 10" x 4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	204.87	42.87
		For 24 Gauge, Add	*6.83*	
		For 22 Gauge, Add	*15.71*	
		For 20 Gauge, Add	*25.61*	
		For 18 Gauge, Add	*39.27*	
		For 16 Gauge, Add	*47.81*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*25.27*	
		For Work In Restricted Working Space, Add	*51.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0103	EA	12" x 12" x 4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	247.35	53.18
		For 24 Gauge, Add	*7.13*	
		For 22 Gauge, Add	*16.41*	
		For 20 Gauge, Add	*26.75*	
		For 18 Gauge, Add	*41.02*	
		For 16 Gauge, Add	*49.94*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*26.40*	
		For Work In Restricted Working Space, Add	*63.50*	
23 31 13 16-0104	EA	14" x 14" x 4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	292.92	64.30
		For 24 Gauge, Add	*7.37*	
		For 22 Gauge, Add	*16.95*	
		For 20 Gauge, Add	*27.63*	
		For 18 Gauge, Add	*42.37*	
		For 16 Gauge, Add	*51.58*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*27.26*	
		For Work In Restricted Working Space, Add	*76.82*	
23 31 13 16-0105	EA	16" x 16" x 4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	339.62	74.62
		For 24 Gauge, Add	*8.01*	
		For 22 Gauge, Add	*18.43*	
		For 20 Gauge, Add	*30.05*	
		For 18 Gauge, Add	*46.08*	
		For 16 Gauge, Add	*56.10*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*29.65*	
		For Work In Restricted Working Space, Add	*89.87*	
23 31 13 16-0106	EA	18" x 18" x 4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	379.48	84.94
		For 24 Gauge, Add	*8.34*	
		For 22 Gauge, Add	*19.17*	
		For 20 Gauge, Add	*31.26*	
		For 18 Gauge, Add	*47.93*	
		For 16 Gauge, Add	*58.35*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*30.84*	
		For Work In Restricted Working Space, Add	*101.34*	
23 31 13 16-0107	EA	20" x 20" x 4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	430.42	96.85
		For 24 Gauge, Add	*8.64*	
		For 22 Gauge, Add	*19.87*	
		For 20 Gauge, Add	*32.40*	
		For 18 Gauge, Add	*49.68*	
		For 16 Gauge, Add	*60.48*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*31.97*	
		For Work In Restricted Working Space, Add	*116.17*	
23 31 13 16-0108	EA	22" x 22" x 4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	481.08	107.16
		For 24 Gauge, Add	*10.40*	
		For 22 Gauge, Add	*23.92*	
		For 20 Gauge, Add	*38.99*	
		For 18 Gauge, Add	*59.79*	
		For 16 Gauge, Add	*72.79*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*38.47*	
		For Work In Restricted Working Space, Add	*128.73*	
23 31 13 16-0109	EA	24" x 24" x 4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	520.64	116.69
		For 24 Gauge, Add	*10.74*	
		For 22 Gauge, Add	*24.70*	
		For 20 Gauge, Add	*40.27*	
		For 18 Gauge, Add	*61.74*	
		For 16 Gauge, Add	*75.17*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*39.73*	
		For Work In Restricted Working Space, Add	*140.09*	
23 31 13 16-0110	EA	8" x 8" x 6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	170.04	35.96
		For 24 Gauge, Add	*5.23*	
		For 22 Gauge, Add	*12.02*	
		For 20 Gauge, Add	*19.60*	
		For 18 Gauge, Add	*30.05*	
		For 16 Gauge, Add	*36.58*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*19.34*	
		For Work In Restricted Working Space, Add	*43.17*	
23 31 13 16-0111	EA	10" x 10" x 6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	206.01	43.26
		For 24 Gauge, Add	*6.60*	
		For 22 Gauge, Add	*15.18*	
		For 20 Gauge, Add	*24.74*	
		For 18 Gauge, Add	*37.94*	
		For 16 Gauge, Add	*46.19*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*24.41*	
		For Work In Restricted Working Space, Add	*51.91*	
23 31 13 16-0112	EA	12" x 12" x 6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	250.27	52.55
		For 24 Gauge, Add	*8.01*	
		For 22 Gauge, Add	*18.42*	
		For 20 Gauge, Add	*30.04*	
		For 18 Gauge, Add	*46.06*	
		For 16 Gauge, Add	*56.07*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*29.64*	
		For Work In Restricted Working Space, Add	*63.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0113	EA	14" x 14" x 6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	297.94	62.48
		For 24 Gauge, Add	*9.54*	
		For 22 Gauge, Add	*21.94*	
		For 20 Gauge, Add	*35.77*	
		For 18 Gauge, Add	*54.84*	
		For 16 Gauge, Add	*66.77*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*35.29*	
		For Work In Restricted Working Space, Add	*75.08*	
23 31 13 16-0114	EA	16" x 16" x 6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	376.40	80.33
		For 24 Gauge, Add	*11.06*	
		For 22 Gauge, Add	*25.43*	
		For 20 Gauge, Add	*41.46*	
		For 18 Gauge, Add	*63.57*	
		For 16 Gauge, Add	*77.39*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*40.91*	
		For Work In Restricted Working Space, Add	*96.34*	
23 31 13 16-0115	EA	18" x 18" x 6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	418.25	89.14
		For 24 Gauge, Add	*12.39*	
		For 22 Gauge, Add	*28.50*	
		For 20 Gauge, Add	*46.46*	
		For 18 Gauge, Add	*71.24*	
		For 16 Gauge, Add	*86.73*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*45.84*	
		For Work In Restricted Working Space, Add	*106.89*	
23 31 13 16-0116	EA	20" x 20" x 6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	475.52	101.45
		For 24 Gauge, Add	*14.10*	
		For 22 Gauge, Add	*32.43*	
		For 20 Gauge, Add	*52.88*	
		For 18 Gauge, Add	*81.09*	
		For 16 Gauge, Add	*98.71*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*52.18*	
		For Work In Restricted Working Space, Add	*121.50*	
23 31 13 16-0117	EA	22" x 22" x 6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	510.95	108.20
		For 24 Gauge, Add	*15.72*	
		For 22 Gauge, Add	*36.15*	
		For 20 Gauge, Add	*58.94*	
		For 18 Gauge, Add	*90.38*	
		For 16 Gauge, Add	*110.03*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*58.16*	
		For Work In Restricted Working Space, Add	*129.71*	
23 31 13 16-0118	EA	24" x 24" x 6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	554.32	117.32
		For 24 Gauge, Add	*17.03*	
		For 22 Gauge, Add	*39.17*	
		For 20 Gauge, Add	*63.87*	
		For 18 Gauge, Add	*97.93*	
		For 16 Gauge, Add	*119.22*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*63.02*	
		For Work In Restricted Working Space, Add	*140.75*	
23 31 13 16-0119	EA	10" x 10" x 8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	225.02	47.63
		For 24 Gauge, Add	*6.95*	
		For 22 Gauge, Add	*15.99*	
		For 20 Gauge, Add	*26.06*	
		For 18 Gauge, Add	*39.96*	
		For 16 Gauge, Add	*48.65*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*25.72*	
		For Work In Restricted Working Space, Add	*57.08*	
23 31 13 16-0120	EA	12" x 12" x 8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	273.44	57.95
		For 24 Gauge, Add	*8.43*	
		For 22 Gauge, Add	*19.38*	
		For 20 Gauge, Add	*31.61*	
		For 18 Gauge, Add	*48.46*	
		For 16 Gauge, Add	*59.00*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*31.18*	
		For Work In Restricted Working Space, Add	*69.39*	
23 31 13 16-0121	EA	14" x 14" x 8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	325.47	68.66
		For 24 Gauge, Add	*10.04*	
		For 22 Gauge, Add	*23.10*	
		For 20 Gauge, Add	*37.67*	
		For 18 Gauge, Add	*57.75*	
		For 16 Gauge, Add	*70.31*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*37.16*	
		For Work In Restricted Working Space, Add	*82.58*	
23 31 13 16-0122	EA	16" x 16" x 8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	377.77	80.02
		For 24 Gauge, Add	*11.64*	
		For 22 Gauge, Add	*26.77*	
		For 20 Gauge, Add	*43.65*	
		For 18 Gauge, Add	*66.93*	
		For 16 Gauge, Add	*81.48*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*43.07*	
		For Work In Restricted Working Space, Add	*95.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0123	EA	18" x 18" x 8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	422.79	89.47
		For 24 Gauge, Add	*13.04*	
		For 22 Gauge, Add	*30.00*	
		For 20 Gauge, Add	*48.91*	
		For 18 Gauge, Add	*74.99*	
		For 16 Gauge, Add	*91.29*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*48.26*	
		For Work In Restricted Working Space, Add	*107.27*	
23 31 13 16-0124	EA	20" x 20" x 8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	480.88	101.76
		For 24 Gauge, Add	*14.84*	
		For 22 Gauge, Add	*34.14*	
		For 20 Gauge, Add	*55.66*	
		For 18 Gauge, Add	*85.34*	
		For 16 Gauge, Add	*103.89*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*54.92*	
		For Work In Restricted Working Space, Add	*122.00*	
23 31 13 16-0125	EA	22" x 22" x 8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	536.86	113.52
		For 24 Gauge, Add	*16.55*	
		For 22 Gauge, Add	*38.06*	
		For 20 Gauge, Add	*62.05*	
		For 18 Gauge, Add	*95.14*	
		For 16 Gauge, Add	*115.82*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*61.22*	
		For Work In Restricted Working Space, Add	*136.24*	
23 31 13 16-0126	EA	24" x 24" x 8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	582.08	123.20
		For 24 Gauge, Add	*17.93*	
		For 22 Gauge, Add	*41.23*	
		For 20 Gauge, Add	*67.23*	
		For 18 Gauge, Add	*103.09*	
		For 16 Gauge, Add	*125.50*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*66.33*	
		For Work In Restricted Working Space, Add	*147.73*	

23 31 13 16-0127 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducers *(23 31 13 16-0062)*

23 31 13 16-0128	EA	6" x 4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer	74.18	15.88
		For 24 Gauge, Add	*2.13*	
		For 22 Gauge, Add	*4.91*	
		For 20 Gauge, Add	*8.00*	
		For 18 Gauge, Add	*12.27*	
		For 16 Gauge, Add	*14.94*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.90*	
		For Work In Restricted Working Space, Add	*19.05*	
23 31 13 16-0129	EA	8" x 6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer	95.30	20.63
		For 24 Gauge, Add	*2.35*	
		For 22 Gauge, Add	*5.40*	
		For 20 Gauge, Add	*8.81*	
		For 18 Gauge, Add	*13.50*	
		For 16 Gauge, Add	*16.44*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.69*	
		For Work In Restricted Working Space, Add	*25.07*	
23 31 13 16-0130	EA	10" x 8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer	118.84	26.19
		For 24 Gauge, Add	*2.60*	
		For 22 Gauge, Add	*5.98*	
		For 20 Gauge, Add	*9.75*	
		For 18 Gauge, Add	*14.95*	
		For 16 Gauge, Add	*18.20*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*9.62*	
		For Work In Restricted Working Space, Add	*31.75*	
23 31 13 16-0131	EA	12" x 10" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer	146.56	33.34
		For 24 Gauge, Add	*2.85*	
		For 22 Gauge, Add	*6.56*	
		For 20 Gauge, Add	*10.69*	
		For 18 Gauge, Add	*16.39*	
		For 16 Gauge, Add	*19.95*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*10.55*	
		For Work In Restricted Working Space, Add	*39.69*	
23 31 13 16-0132	EA	14" x 12" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer	160.20	36.52
		For 24 Gauge, Add	*3.17*	
		For 22 Gauge, Add	*7.30*	
		For 20 Gauge, Add	*11.90*	
		For 18 Gauge, Add	*18.25*	
		For 16 Gauge, Add	*22.22*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*11.74*	
		For Work In Restricted Working Space, Add	*43.30*	
23 31 13 16-0133	EA	16" x 14" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer	198.15	42.87
		For 24 Gauge, Add	*5.49*	
		For 22 Gauge, Add	*12.62*	
		For 20 Gauge, Add	*20.57*	
		For 18 Gauge, Add	*31.54*	
		For 16 Gauge, Add	*38.40*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*20.30*	
		For Work In Restricted Working Space, Add	*51.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0134	EA	18" x 16" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer	240.99	53.18
		For 24 Gauge, Add	*5.86*	
		For 22 Gauge, Add	*13.48*	
		For 20 Gauge, Add	*21.98*	
		For 18 Gauge, Add	*33.71*	
		For 16 Gauge, Add	*41.03*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*21.69*	
		For Work In Restricted Working Space, Add	*63.50*	
23 31 13 16-0135	EA	20" x 18" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer	287.36	64.30
		For 24 Gauge, Add	*6.26*	
		For 22 Gauge, Add	*14.39*	
		For 20 Gauge, Add	*23.46*	
		For 18 Gauge, Add	*35.97*	
		For 16 Gauge, Add	*43.79*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*23.15*	
		For Work In Restricted Working Space, Add	*76.82*	
23 31 13 16-0136	EA	22" x 20" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer	332.80	74.62
		For 24 Gauge, Add	*6.65*	
		For 22 Gauge, Add	*15.30*	
		For 20 Gauge, Add	*24.94*	
		For 18 Gauge, Add	*38.24*	
		For 16 Gauge, Add	*46.55*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*24.61*	
		For Work In Restricted Working Space, Add	*89.87*	
23 31 13 16-0137	EA	24" x 22" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer	372.85	84.94
		For 24 Gauge, Add	*7.01*	
		For 22 Gauge, Add	*16.12*	
		For 20 Gauge, Add	*26.29*	
		For 18 Gauge, Add	*40.31*	
		For 16 Gauge, Add	*49.07*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*25.94*	
		For Work In Restricted Working Space, Add	*101.34*	

23 31 13 16-0138 26 Gauge, Slip Joint, Galvanized, Spiral Duct Couplings *(23 31 13 16-0062)*

23 31 13 16-0139	EA	4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	47.96	11.12
		For 24 Gauge, Add	*1.01*	
		For 22 Gauge, Add	*2.32*	
		For 20 Gauge, Add	*3.79*	
		For 18 Gauge, Add	*5.81*	
		For 16 Gauge, Add	*7.07*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.74*	
		For Work In Restricted Working Space, Add	*12.87*	
23 31 13 16-0140	EA	6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	69.25	15.88
		For 24 Gauge, Add	*1.15*	
		For 22 Gauge, Add	*2.64*	
		For 20 Gauge, Add	*4.31*	
		For 18 Gauge, Add	*6.60*	
		For 16 Gauge, Add	*8.04*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.25*	
		For Work In Restricted Working Space, Add	*19.05*	
23 31 13 16-0141	EA	8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	89.74	20.63
		For 24 Gauge, Add	*1.24*	
		For 22 Gauge, Add	*2.84*	
		For 20 Gauge, Add	*4.64*	
		For 18 Gauge, Add	*7.11*	
		For 16 Gauge, Add	*8.65*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.57*	
		For Work In Restricted Working Space, Add	*25.07*	
23 31 13 16-0142	EA	10" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	112.47	26.19
		For 24 Gauge, Add	*1.33*	
		For 22 Gauge, Add	*3.05*	
		For 20 Gauge, Add	*4.97*	
		For 18 Gauge, Add	*7.62*	
		For 16 Gauge, Add	*9.28*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.91*	
		For Work In Restricted Working Space, Add	*31.75*	
23 31 13 16-0143	EA	12" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	139.39	33.34
		For 24 Gauge, Add	*1.42*	
		For 22 Gauge, Add	*3.26*	
		For 20 Gauge, Add	*5.31*	
		For 18 Gauge, Add	*8.14*	
		For 16 Gauge, Add	*9.91*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.24*	
		For Work In Restricted Working Space, Add	*39.69*	
23 31 13 16-0144	EA	14" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	151.86	36.52
		For 24 Gauge, Add	*1.51*	
		For 22 Gauge, Add	*3.46*	
		For 20 Gauge, Add	*5.65*	
		For 18 Gauge, Add	*8.66*	
		For 16 Gauge, Add	*10.54*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.57*	
		For Work In Restricted Working Space, Add	*43.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0145	EA	16" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	179.06	42.87
		For 24 Gauge, Add	*1.67*	
		For 22 Gauge, Add	*3.84*	
		For 20 Gauge, Add	*6.26*	
		For 18 Gauge, Add	*9.59*	
		For 16 Gauge, Add	*11.68*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.17*	
		For Work In Restricted Working Space, Add	*51.22*	
23 31 13 16-0146	EA	18" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	220.46	53.18
		For 24 Gauge, Add	*1.76*	
		For 22 Gauge, Add	*4.04*	
		For 20 Gauge, Add	*6.59*	
		For 18 Gauge, Add	*10.10*	
		For 16 Gauge, Add	*12.29*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.50*	
		For Work In Restricted Working Space, Add	*63.50*	
23 31 13 16-0147	EA	20" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	265.40	64.30
		For 24 Gauge, Add	*1.86*	
		For 22 Gauge, Add	*4.29*	
		For 20 Gauge, Add	*6.99*	
		For 18 Gauge, Add	*10.72*	
		For 16 Gauge, Add	*13.05*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.90*	
		For Work In Restricted Working Space, Add	*76.82*	
23 31 13 16-0148	EA	22" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	309.23	150.03
		For 24 Gauge, Add	*1.94*	
		For 22 Gauge, Add	*4.45*	
		For 20 Gauge, Add	*7.26*	
		For 18 Gauge, Add	*11.13*	
		For 16 Gauge, Add	*13.55*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.16*	
		For Work In Restricted Working Space, Add	*89.87*	
23 31 13 16-0149	EA	24" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	348.02	169.09
		For 24 Gauge, Add	*2.04*	
		For 22 Gauge, Add	*4.70*	
		For 20 Gauge, Add	*7.67*	
		For 18 Gauge, Add	*11.75*	
		For 16 Gauge, Add	*14.31*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.56*	
		For Work In Restricted Working Space, Add	*101.34*	

23 31 13 16-0150 26 Gauge, Slip Joint, Galvanized, Spiral Duct Caps *(23 31 13 16-0062)*

23 31 13 16-0151	EA	4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	27.37	11.12
		For 24 Gauge, Add	*1.18*	
		For 22 Gauge, Add	*2.72*	
		For 20 Gauge, Add	*4.44*	
		For 18 Gauge, Add	*6.81*	
		For 16 Gauge, Add	*8.29*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.38*	
		For Work In Restricted Working Space, Add	*6.44*	
23 31 13 16-0152	EA	6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	38.38	15.88
		For 24 Gauge, Add	*1.33*	
		For 22 Gauge, Add	*3.05*	
		For 20 Gauge, Add	*4.97*	
		For 18 Gauge, Add	*7.62*	
		For 16 Gauge, Add	*9.28*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.91*	
		For Work In Restricted Working Space, Add	*9.53*	
23 31 13 16-0153	EA	8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	49.04	21.43
		For 24 Gauge, Add	*1.45*	
		For 22 Gauge, Add	*3.34*	
		For 20 Gauge, Add	*5.45*	
		For 18 Gauge, Add	*8.35*	
		For 16 Gauge, Add	*10.16*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.37*	
		For Work In Restricted Working Space, Add	*12.53*	
23 31 13 16-0154	EA	10" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	60.99	26.99
		For 24 Gauge, Add	*1.61*	
		For 22 Gauge, Add	*3.71*	
		For 20 Gauge, Add	*6.05*	
		For 18 Gauge, Add	*9.28*	
		For 16 Gauge, Add	*11.30*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.97*	
		For Work In Restricted Working Space, Add	*15.88*	
23 31 13 16-0155	EA	12" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	75.11	33.34
		For 24 Gauge, Add	*1.79*	
		For 22 Gauge, Add	*4.12*	
		For 20 Gauge, Add	*6.72*	
		For 18 Gauge, Add	*10.30*	
		For 16 Gauge, Add	*12.54*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.63*	
		For Work In Restricted Working Space, Add	*19.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0156	EA	14" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	82.03	36.52
		For 24 Gauge, Add	*1.97*	
		For 22 Gauge, Add	*4.54*	
		For 20 Gauge, Add	*7.40*	
		For 18 Gauge, Add	*11.34*	
		For 16 Gauge, Add	*13.80*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.30*	
		For Work In Restricted Working Space, Add	*21.65*	
23 31 13 16-0157	EA	16" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	94.94	42.07
		For 24 Gauge, Add	*2.28*	
		For 22 Gauge, Add	*5.23*	
		For 20 Gauge, Add	*8.54*	
		For 18 Gauge, Add	*13.09*	
		For 16 Gauge, Add	*15.93*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.42*	
		For Work In Restricted Working Space, Add	*25.07*	
23 31 13 16-0158	EA	18" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	144.20	53.18
		For 24 Gauge, Add	*7.67*	
		For 22 Gauge, Add	*17.65*	
		For 20 Gauge, Add	*28.77*	
		For 18 Gauge, Add	*44.11*	
		For 16 Gauge, Add	*53.70*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*28.39*	
		For Work In Restricted Working Space, Add	*31.75*	
23 31 13 16-0159	EA	20" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	173.90	65.89
		For 24 Gauge, Add	*8.32*	
		For 22 Gauge, Add	*19.13*	
		For 20 Gauge, Add	*31.19*	
		For 18 Gauge, Add	*47.83*	
		For 16 Gauge, Add	*58.23*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*30.78*	
		For Work In Restricted Working Space, Add	*39.69*	
23 31 13 16-0160	EA	22" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	189.15	72.24
		For 24 Gauge, Add	*8.96*	
		For 22 Gauge, Add	*20.62*	
		For 20 Gauge, Add	*33.62*	
		For 18 Gauge, Add	*51.54*	
		For 16 Gauge, Add	*62.75*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*33.17*	
		For Work In Restricted Working Space, Add	*43.30*	
23 31 13 16-0161	EA	24" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	217.02	84.15
		For 24 Gauge, Add	*9.63*	
		For 22 Gauge, Add	*22.14*	
		For 20 Gauge, Add	*36.10*	
		For 18 Gauge, Add	*55.35*	
		For 16 Gauge, Add	*67.38*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*35.62*	
		For Work In Restricted Working Space, Add	*50.67*	

23 31 13 19 Metal Duct Fittings *(23 31 13)*

23 31 13 19-0001 Sheet Metal Baffles *(23 31 13 19)*

23 31 13 19-0002	LF	Sheet Metal Baffles Under Raised Floor	30.77	24.42
		For Work In Restricted Working Space, Add	*8.93*	

23 31 13 23 Galvanized Steel Welded Duct *(23 31 13)*

Note: All field fabricated duct is assembled from flat duct sheets on site to fit to exact field conditions. Ductwork which is fabricated off site or snap-fitting duct is considered as shop fabricated.

23 31 13 23-0001 Welded Steel Ductwork *(23 31 13 23)*

Note: Ductwork poundage includes all fittings, transitions, collars, straps, support straps, etc.

23 31 13 23-0002 Galvanized Steel Welded Duct, For Kitchen *(23 31 13 23-0001)*

Note: Also includes special exhaust systems and waste.

23 31 13 23-0003	LB	Galvanized Steel Welded Duct	18.93	7.41
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.02*	
		For Work In Restricted Working Space, Add	*4.46*	

23 31 13 23-0004 Black Steel Ductwork *(23 31 13 23-0001)*

23 31 13 23-0005	LB	Black Steel Ductwork	16.19	7.63
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*0.68*	
		For Work In Restricted Working Space, Add	*4.58*	

23 31 13 33 Duct Boots *(23 31 13)*

23 31 13 33-0001 Duct Register Boots *(23 31 13 33)*

23 31 13 33-0002	EA	10" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel	31.16	10.77
		For Stainless Steel, Add	*12.49*	
23 31 13 33-0003	EA	10" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel	31.16	10.77
		For Stainless Steel, Add	*12.49*	
23 31 13 33-0004	EA	12" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel	33.10	11.64
		For Stainless Steel, Add	*12.78*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 33-0005	EA	12" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel	33.10	11.64
		For Stainless Steel, Add	*12.78*	
23 31 13 33-0006	EA	12" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel	35.47	11.64
		For Stainless Steel, Add	*15.86*	
23 31 13 33-0007	EA	14" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel	36.00	12.50
		For Stainless Steel, Add	*14.30*	
23 31 13 33-0008	EA	14" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel	36.00	12.50
		For Stainless Steel, Add	*14.30*	
23 31 13 33-0009	EA	14" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel	37.47	12.50
		For Stainless Steel, Add	*16.21*	
23 31 13 33-0010	EA	10" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel	35.37	13.36
		For Stainless Steel, Add	*11.25*	
23 31 13 33-0011	EA	12" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel	37.36	14.22
		For Stainless Steel, Add	*11.58*	
23 31 13 33-0012	EA	12" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel	43.40	14.22
		For Stainless Steel, Add	*19.44*	
23 31 13 33-0013	EA	14" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel	39.61	15.08
		For Stainless Steel, Add	*12.27*	
23 31 13 33-0014	EA	14" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel	45.53	15.08
		For Stainless Steel, Add	*19.97*	
23 31 13 33-0015	EA	12" x 2-1/4" x 5" Register Boot, Center, Galvanized Steel	31.66	11.64
		For Stainless Steel, Add	*10.91*	
23 31 13 33-0016	EA	12" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel	31.66	11.64
		For Stainless Steel, Add	*10.91*	
23 31 13 33-0017	EA	14" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel	34.36	12.50
		For Stainless Steel, Add	*12.17*	
23 31 13 33-0018	EA	14" x 2-1/4" x 7" Register Boot, Center, Galvanized Steel	35.77	12.50
		For Stainless Steel, Add	*14.00*	
23 31 13 33-0019	EA	10" x 4" x 6" Register Boot, Center, Galvanized Steel	35.56	13.36
		For Stainless Steel, Add	*11.49*	
23 31 13 33-0020	EA	12" x 4" x 6" Register Boot, Center, Galvanized Steel	37.53	14.22
		For Stainless Steel, Add	*11.80*	
23 31 13 33-0021	EA	12" x 2-1/4" x 6" Register Boot, End, Galvanized Steel	32.63	11.64
		For Stainless Steel, Add	*12.17*	
23 31 13 33-0022	EA	14" x 2-1/4" x 6" Register Boot, End, Galvanized Steel	34.93	12.50
		For Stainless Steel, Add	*12.91*	
23 31 13 33-0023	EA	10" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel	31.16	10.77
		For Stainless Steel, Add	*12.49*	
23 31 13 33-0024	EA	12" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel	33.10	11.64
		For Stainless Steel, Add	*12.78*	
23 31 13 33-0025	EA	14" x 2-1/4" x 5" Register Boot, Universal, Galvanized Steel	36.00	12.50
		For Stainless Steel, Add	*14.30*	
23 31 13 33-0026	EA	14" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel	36.00	12.50
		For Stainless Steel, Add	*14.30*	
23 31 13 33-0027	EA	10" x 4" x 6" Register Boot, Universal, Galvanized Steel	35.37	13.36
		For Stainless Steel, Add	*11.25*	
23 31 13 33-0028	EA	12" x 4" x 6" Register Boot, Universal, Galvanized Steel	37.36	14.22
		For Stainless Steel, Add	*11.58*	
23 31 13 33-0029	EA	12" x 4" x 7" Register Boot, Universal, Galvanized Steel	43.40	14.22
		For Stainless Steel, Add	*19.44*	
23 31 13 33-0030	EA	14" x 4" x 7" Register Boot, Universal, Galvanized Steel	45.12	15.08
		For Stainless Steel, Add	*19.44*	

23 31 16 Nonmetal Ducts *(23 31)*

23 31 16 13 Fibrous-Glass Ducts *(23 31 16)*

23 31 16 13-0001 Glass Fiber Duct Board *(23 31 16 13)*

Note: Rigid, rectangular boards faced on one side with a fire-resistant foil-scrim-kraft (FSK) vapor retarder and a lightweight fiber glass mat on the airstream surface.

23 31 16 13-0002	SF	1" Glass Fiber Duct Board (EI-475)	7.25	1.52
23 31 16 13-0003	SF	1-1/2" Glass Fiber Duct Board (EI-800)	8.43	1.68
23 31 16 13-0004	SF	2" Glass Fiber Duct Board (EI-800)	9.68	1.84

23 31 16 16 Thermoset Fiberglass-Reinforced Plastic Ducts *(23 31 16)*

23 31 16 16-0001 Round Fiber Reinforced Plastic Duct *(23 31 16 16)*

23 31 16 16-0002 Round Fiber Reinforced Plastic Duct *(23 31 16 16-0001)*

23 31 16 16-0003	LF	2" Fiber Reinforced Plastic Duct	11.05	3.97
23 31 16 16-0004	LF	3" Fiber Reinforced Plastic Duct	13.73	4.64
23 31 16 16-0005	LF	4" Fiber Reinforced Plastic Duct	18.79	6.81
23 31 16 16-0006	LF	6" Fiber Reinforced Plastic Duct	24.76	8.60
23 31 16 16-0007	LF	8" Fiber Reinforced Plastic Duct	31.32	10.78
23 31 16 16-0008	LF	10" Fiber Reinforced Plastic Duct	37.76	12.94
23 31 16 16-0009	LF	12" Fiber Reinforced Plastic Duct	42.69	15.12
23 31 16 16-0010	LF	14" Fiber Reinforced Plastic Duct	48.46	16.54
23 31 16 16-0011	LF	16" Fiber Reinforced Plastic Duct	52.28	17.59
23 31 16 16-0012	LF	18" Fiber Reinforced Plastic Duct	64.25	19.75
23 31 16 16-0013	LF	20" Fiber Reinforced Plastic Duct	67.73	21.18
23 31 16 16-0014	LF	24" Fiber Reinforced Plastic Duct	82.26	22.60
23 31 16 16-0015	LF	30" Fiber Reinforced Plastic Duct	94.33	26.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0016	LF	36" Fiber Reinforced Plastic Duct	109.38	31.58
23 31 16 16-0017	LF	42" Fiber Reinforced Plastic Duct	143.72	35.17
23 31 16 16-0018	LF	48" Fiber Reinforced Plastic Duct	161.04	39.52
23 31 16 16-0019	LF	54" Fiber Reinforced Plastic Duct	179.38	45.28
23 31 16 16-0020	LF	60" Fiber Reinforced Plastic Duct	204.11	52.83
23 31 16 16-0021	LF	66" Fiber Reinforced Plastic Duct	221.85	64.66
23 31 16 16-0022	LF	72" Fiber Reinforced Plastic Duct	270.76	79.03
23 31 16 16-0023		**Fiber Reinforced Plastic Bell** *(23 31 16 16-0001)*		
23 31 16 16-0024	EA	2" Fiber Reinforced Plastic Bell	46.58	16.09
23 31 16 16-0025	EA	3" Fiber Reinforced Plastic Bell	56.17	19.09
23 31 16 16-0026	EA	4" Fiber Reinforced Plastic Bell	64.70	22.45
23 31 16 16-0027	EA	6" Fiber Reinforced Plastic Bell	85.07	29.94
23 31 16 16-0028	EA	8" Fiber Reinforced Plastic Bell	103.64	37.42
23 31 16 16-0029	EA	10" Fiber Reinforced Plastic Bell	120.41	44.90
23 31 16 16-0030	EA	12" Fiber Reinforced Plastic Bell	149.31	55.75
23 31 16 16-0031	EA	14" Fiber Reinforced Plastic Bell	159.64	59.87
23 31 16 16-0032	EA	16" Fiber Reinforced Plastic Bell	172.96	63.98
23 31 16 16-0033	EA	18" Fiber Reinforced Plastic Bell	186.29	68.85
23 31 16 16-0034	EA	20" Fiber Reinforced Plastic Bell	203.67	74.84
23 31 16 16-0035	EA	24" Fiber Reinforced Plastic Bell	236.63	82.31
23 31 16 16-0036	EA	30" Fiber Reinforced Plastic Bell	275.00	89.80
23 31 16 16-0037	EA	36" Fiber Reinforced Plastic Bell	311.86	101.03
23 31 16 16-0038	EA	42" Fiber Reinforced Plastic Bell	348.72	112.25
23 31 16 16-0039	EA	48" Fiber Reinforced Plastic Bell	385.55	123.48
23 31 16 16-0040	EA	54" Fiber Reinforced Plastic Bell	479.34	149.67
23 31 16 16-0041	EA	60" Fiber Reinforced Plastic Bell	572.18	187.09
23 31 16 16-0042	EA	66" Fiber Reinforced Plastic Bell	686.58	224.51
23 31 16 16-0043	EA	72" Fiber Reinforced Plastic Bell	786.14	254.44
23 31 16 16-0044		**Fiber Reinforced Plastic Flange** *(23 31 16 16-0001)*		
23 31 16 16-0045	EA	2" Fiber Reinforced Plastic Flange	75.38	16.09
23 31 16 16-0046	EA	3" Fiber Reinforced Plastic Flange	86.77	19.09
23 31 16 16-0047	EA	4" Fiber Reinforced Plastic Flange	98.90	22.45
23 31 16 16-0048	EA	6" Fiber Reinforced Plastic Flange	128.27	29.94
23 31 16 16-0049	EA	8" Fiber Reinforced Plastic Flange	155.84	37.42
23 31 16 16-0050	EA	10" Fiber Reinforced Plastic Flange	183.41	44.90
23 31 16 16-0051	EA	12" Fiber Reinforced Plastic Flange	215.91	55.75
23 31 16 16-0052	EA	14" Fiber Reinforced Plastic Flange	240.64	59.87
23 31 16 16-0053	EA	16" Fiber Reinforced Plastic Flange	262.96	63.98
23 31 16 16-0054	EA	18" Fiber Reinforced Plastic Flange	279.89	68.85
23 31 16 16-0055	EA	20" Fiber Reinforced Plastic Flange	293.67	74.84
23 31 16 16-0056	EA	24" Fiber Reinforced Plastic Flange	344.63	82.31
23 31 16 16-0057	EA	30" Fiber Reinforced Plastic Flange	379.40	89.80
23 31 16 16-0058	EA	36" Fiber Reinforced Plastic Flange	468.46	101.03
23 31 16 16-0059	EA	42" Fiber Reinforced Plastic Flange	521.52	112.25
23 31 16 16-0060	EA	48" Fiber Reinforced Plastic Flange	592.55	123.48
23 31 16 16-0061	EA	54" Fiber Reinforced Plastic Flange	695.34	149.67
23 31 16 16-0062	EA	60" Fiber Reinforced Plastic Flange	829.58	187.09
23 31 16 16-0063	EA	66" Fiber Reinforced Plastic Flange	963.78	224.51
23 31 16 16-0064	EA	72" Fiber Reinforced Plastic Flange	1,102.94	254.44
23 31 16 16-0065		**Fiber Reinforced Plastic 90 Degree Elbow** *(23 31 16 16-0001)*		
23 31 16 16-0066	EA	2" Fiber Reinforced Plastic 90 Degree Elbow	124.06	38.76
23 31 16 16-0067	EA	3" Fiber Reinforced Plastic 90 Degree Elbow	145.63	46.32
23 31 16 16-0068	EA	4" Fiber Reinforced Plastic 90 Degree Elbow	169.00	53.88
23 31 16 16-0069	EA	6" Fiber Reinforced Plastic 90 Degree Elbow	218.73	71.84
23 31 16 16-0070	EA	8" Fiber Reinforced Plastic 90 Degree Elbow	268.47	89.80
23 31 16 16-0071	EA	10" Fiber Reinforced Plastic 90 Degree Elbow	318.22	107.77
23 31 16 16-0072	EA	12" Fiber Reinforced Plastic 90 Degree Elbow	390.73	134.03
23 31 16 16-0073	EA	14" Fiber Reinforced Plastic 90 Degree Elbow	443.50	141.88
23 31 16 16-0074	EA	16" Fiber Reinforced Plastic 90 Degree Elbow	505.25	154.08
23 31 16 16-0075	EA	18" Fiber Reinforced Plastic 90 Degree Elbow	603.02	165.23
23 31 16 16-0076	EA	20" Fiber Reinforced Plastic 90 Degree Elbow	695.39	179.61
23 31 16 16-0077	EA	24" Fiber Reinforced Plastic 90 Degree Elbow	806.33	197.57
23 31 16 16-0078	EA	30" Fiber Reinforced Plastic 90 Degree Elbow	1,088.23	215.53
23 31 16 16-0079	EA	36" Fiber Reinforced Plastic 90 Degree Elbow	1,394.17	242.47
23 31 16 16-0080	EA	42" Fiber Reinforced Plastic 90 Degree Elbow	1,835.08	269.49
23 31 16 16-0081	EA	48" Fiber Reinforced Plastic 90 Degree Elbow	2,177.03	296.42
23 31 16 16-0082	EA	54" Fiber Reinforced Plastic 90 Degree Elbow	2,578.68	359.21
23 31 16 16-0083	EA	60" Fiber Reinforced Plastic 90 Degree Elbow	3,124.35	449.01
23 31 16 16-0084	EA	66" Fiber Reinforced Plastic 90 Degree Elbow	3,669.74	538.67
23 31 16 16-0085	EA	72" Fiber Reinforced Plastic 90 Degree Elbow	4,185.35	610.44
23 31 16 16-0086		**Fiber Reinforced Plastic 45 Degree Elbow** *(23 31 16 16-0001)*		
23 31 16 16-0087	EA	2" Fiber Reinforced Plastic 45 Degree Elbow	104.26	38.76

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0088	EA	3" Fiber Reinforced Plastic 45 Degree Elbow	122.23	46.32
23 31 16 16-0089	EA	4" Fiber Reinforced Plastic 45 Degree Elbow	141.98	53.88
23 31 16 16-0090	EA	6" Fiber Reinforced Plastic 45 Degree Elbow	179.13	71.84
23 31 16 16-0091	EA	8" Fiber Reinforced Plastic 45 Degree Elbow	216.27	89.80
23 31 16 16-0092	EA	10" Fiber Reinforced Plastic 45 Degree Elbow	257.07	107.77
23 31 16 16-0093	EA	12" Fiber Reinforced Plastic 45 Degree Elbow	316.99	134.03
23 31 16 16-0094	EA	14" Fiber Reinforced Plastic 45 Degree Elbow	344.44	141.88
23 31 16 16-0095	EA	16" Fiber Reinforced Plastic 45 Degree Elbow	411.51	154.01
23 31 16 16-0096	EA	18" Fiber Reinforced Plastic 45 Degree Elbow	473.62	165.38
23 31 16 16-0097	EA	20" Fiber Reinforced Plastic 45 Degree Elbow	547.74	179.61
23 31 16 16-0098	EA	24" Fiber Reinforced Plastic 45 Degree Elbow	631.38	197.42
23 31 16 16-0099	EA	30" Fiber Reinforced Plastic 45 Degree Elbow	799.96	215.38
23 31 16 16-0100	EA	36" Fiber Reinforced Plastic 45 Degree Elbow	978.72	242.69
23 31 16 16-0101	EA	42" Fiber Reinforced Plastic 45 Degree Elbow	1,246.81	269.64
23 31 16 16-0102	EA	48" Fiber Reinforced Plastic 45 Degree Elbow	1,466.03	296.42
23 31 16 16-0103	EA	54" Fiber Reinforced Plastic 45 Degree Elbow	1,747.08	359.21
23 31 16 16-0104	EA	60" Fiber Reinforced Plastic 45 Degree Elbow	2,094.75	449.01
23 31 16 16-0105	EA	66" Fiber Reinforced Plastic 45 Degree Elbow	2,462.02	537.62
23 31 16 16-0106	EA	72" Fiber Reinforced Plastic 45 Degree Elbow	2,782.45	611.03
23 31 16 16-0107		**Fiber Reinforced Plastic Tee** *(23 31 16 16-0001)*		
23 31 16 16-0108	EA	2" Fiber Reinforced Plastic Tee	159.39	57.85
23 31 16 16-0109	EA	3" Fiber Reinforced Plastic Tee	188.14	69.67
23 31 16 16-0110	EA	4" Fiber Reinforced Plastic Tee	215.70	80.82
23 31 16 16-0111	EA	6" Fiber Reinforced Plastic Tee	278.62	107.77
23 31 16 16-0112	EA	8" Fiber Reinforced Plastic Tee	340.33	134.03
23 31 16 16-0113	EA	10" Fiber Reinforced Plastic Tee	405.59	162.39
23 31 16 16-0114	EA	12" Fiber Reinforced Plastic Tee	490.06	196.82
23 31 16 16-0115	EA	14" Fiber Reinforced Plastic Tee	535.01	212.98
23 31 16 16-0116	EA	16" Fiber Reinforced Plastic Tee	619.59	231.39
23 31 16 16-0117	EA	18" Fiber Reinforced Plastic Tee	701.09	247.86
23 31 16 16-0118	EA	20" Fiber Reinforced Plastic Tee	809.08	269.49
23 31 16 16-0119	EA	24" Fiber Reinforced Plastic Tee	926.03	296.42
23 31 16 16-0120	EA	30" Fiber Reinforced Plastic Tee	1,105.70	323.21
23 31 16 16-0121	EA	36" Fiber Reinforced Plastic Tee	1,326.45	363.85
23 31 16 16-0122	EA	42" Fiber Reinforced Plastic Tee	1,753.71	404.26
23 31 16 16-0123	EA	48" Fiber Reinforced Plastic Tee	2,091.24	444.75
23 31 16 16-0124	EA	54" Fiber Reinforced Plastic Tee	2,518.61	539.19
23 31 16 16-0125	EA	60" Fiber Reinforced Plastic Tee	3,012.99	673.83
23 31 16 16-0126	EA	66" Fiber Reinforced Plastic Tee	3,506.94	808.16
23 31 16 16-0127	EA	72" Fiber Reinforced Plastic Tee	3,957.26	916.37
23 31 16 16-0128		**Fiber Reinforced Plastic Lateral Joint** *(23 31 16 16-0001)*		
23 31 16 16-0129	EA	2" Fiber Reinforced Plastic Lateral Joint	132.38	57.85
23 31 16 16-0130	EA	3" Fiber Reinforced Plastic Lateral Joint	155.72	69.67
23 31 16 16-0131	EA	4" Fiber Reinforced Plastic Lateral Joint	177.92	80.82
23 31 16 16-0132	EA	6" Fiber Reinforced Plastic Lateral Joint	226.47	107.77
23 31 16 16-0133	EA	8" Fiber Reinforced Plastic Lateral Joint	273.79	134.03
23 31 16 16-0134	EA	10" Fiber Reinforced Plastic Lateral Joint	328.23	162.39
23 31 16 16-0135	EA	12" Fiber Reinforced Plastic Lateral Joint	393.03	196.97
23 31 16 16-0136	EA	14" Fiber Reinforced Plastic Lateral Joint	426.67	212.84
23 31 16 16-0137	EA	16" Fiber Reinforced Plastic Lateral Joint	468.56	231.47
23 31 16 16-0138	EA	18" Fiber Reinforced Plastic Lateral Joint	507.06	248.08
23 31 16 16-0139	EA	20" Fiber Reinforced Plastic Lateral Joint	553.81	269.64
23 31 16 16-0140	EA	24" Fiber Reinforced Plastic Lateral Joint	612.83	296.42
23 31 16 16-0141	EA	30" Fiber Reinforced Plastic Lateral Joint	676.99	323.06
23 31 16 16-0142	EA	36" Fiber Reinforced Plastic Lateral Joint	764.46	363.63
23 31 16 16-0143	EA	42" Fiber Reinforced Plastic Lateral Joint	854.20	404.49
23 31 16 16-0144	EA	48" Fiber Reinforced Plastic Lateral Joint	938.95	444.60
23 31 16 16-0145	EA	54" Fiber Reinforced Plastic Lateral Joint	1,121.02	537.62
23 31 16 16-0146	EA	60" Fiber Reinforced Plastic Lateral Joint	1,368.01	675.01
23 31 16 16-0147	EA	66" Fiber Reinforced Plastic Lateral Joint	1,653.90	808.75
23 31 16 16-0148	EA	72" Fiber Reinforced Plastic Lateral Joint	1,851.26	916.37
23 31 16 16-0149		**Fiber Reinforced Plastic One Piece Reducer** *(23 31 16 16-0001)*		
23 31 16 16-0150	EA	2" Fiber Reinforced Plastic One Piece Reducer	111.48	38.84
23 31 16 16-0151	EA	3" Fiber Reinforced Plastic One Piece Reducer	131.27	46.40
23 31 16 16-0152	EA	4" Fiber Reinforced Plastic One Piece Reducer	154.64	53.88
23 31 16 16-0153	EA	6" Fiber Reinforced Plastic One Piece Reducer	198.93	71.84
23 31 16 16-0154	EA	8" Fiber Reinforced Plastic One Piece Reducer	239.67	89.80
23 31 16 16-0155	EA	10" Fiber Reinforced Plastic One Piece Reducer	288.33	108.21
23 31 16 16-0156	EA	12" Fiber Reinforced Plastic One Piece Reducer	342.19	134.03
23 31 16 16-0157	EA	14" Fiber Reinforced Plastic One Piece Reducer	366.04	141.88
23 31 16 16-0158	EA	16" Fiber Reinforced Plastic One Piece Reducer	404.31	154.01
23 31 16 16-0159	EA	18" Fiber Reinforced Plastic One Piece Reducer	444.82	165.38
23 31 16 16-0160	EA	20" Fiber Reinforced Plastic One Piece Reducer	497.34	179.61
23 31 16 16-0161	EA	24" Fiber Reinforced Plastic One Piece Reducer	567.27	197.79
23 31 16 16-0162	EA	30" Fiber Reinforced Plastic One Piece Reducer	636.99	215.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0163	EA	36" Fiber Reinforced Plastic One Piece Reducer	721.32	242.69
23 31 16 16-0164	EA	42" Fiber Reinforced Plastic One Piece Reducer	805.81	269.64
23 31 16 16-0165	EA	48" Fiber Reinforced Plastic One Piece Reducer	908.03	296.42
23 31 16 16-0166	EA	54" Fiber Reinforced Plastic One Piece Reducer	1,075.68	359.21
23 31 16 16-0167	EA	60" Fiber Reinforced Plastic One Piece Reducer	1,282.95	449.01
23 31 16 16-0168	EA	66" Fiber Reinforced Plastic One Piece Reducer	1,436.02	537.62
23 31 16 16-0169	EA	72" Fiber Reinforced Plastic One Piece Reducer	1,612.45	611.03

23 31 16 16-0170 Fiber Reinforced Plastic Two Piece Reducer *(23 31 16 16-0001)*

23 31 16 16-0171	EA	2" Fiber Reinforced Plastic Two Piece Reducer	133.08	38.84
23 31 16 16-0172	EA	3" Fiber Reinforced Plastic Two Piece Reducer	145.67	46.40
23 31 16 16-0173	EA	4" Fiber Reinforced Plastic Two Piece Reducer	169.04	53.88
23 31 16 16-0174	EA	6" Fiber Reinforced Plastic Two Piece Reducer	218.73	71.84
23 31 16 16-0175	EA	8" Fiber Reinforced Plastic Two Piece Reducer	268.47	89.80
23 31 16 16-0176	EA	10" Fiber Reinforced Plastic Two Piece Reducer	318.93	108.21
23 31 16 16-0177	EA	12" Fiber Reinforced Plastic Two Piece Reducer	381.79	134.03
23 31 16 16-0178	EA	14" Fiber Reinforced Plastic Two Piece Reducer	416.44	141.88
23 31 16 16-0179	EA	16" Fiber Reinforced Plastic Two Piece Reducer	454.71	154.01
23 31 16 16-0180	EA	18" Fiber Reinforced Plastic Two Piece Reducer	513.22	165.38
23 31 16 16-0181	EA	20" Fiber Reinforced Plastic Two Piece Reducer	648.54	179.61
23 31 16 16-0182	EA	24" Fiber Reinforced Plastic Two Piece Reducer	788.67	197.79
23 31 16 16-0183	EA	30" Fiber Reinforced Plastic Two Piece Reducer	845.79	215.90
23 31 16 16-0184	EA	36" Fiber Reinforced Plastic Two Piece Reducer	962.52	242.69
23 31 16 16-0185	EA	42" Fiber Reinforced Plastic Two Piece Reducer	1,043.41	269.64
23 31 16 16-0186	EA	48" Fiber Reinforced Plastic Two Piece Reducer	1,142.03	296.42
23 31 16 16-0187	EA	54" Fiber Reinforced Plastic Two Piece Reducer	1,264.68	359.21
23 31 16 16-0188	EA	60" Fiber Reinforced Plastic Two Piece Reducer	1,461.15	449.01
23 31 16 16-0189	EA	66" Fiber Reinforced Plastic Two Piece Reducer	1,634.02	537.62
23 31 16 16-0190	EA	72" Fiber Reinforced Plastic Two Piece Reducer	1,792.45	611.03

23 31 16 16-0191 Fiber Reinforced Plastic Butterfly Dampers *(23 31 16 16-0001)*

23 31 16 16-0192	EA	2" Fiber Reinforced Plastic Damper	235.65	38.76
23 31 16 16-0193	EA	3" Fiber Reinforced Plastic Damper	266.23	46.32
23 31 16 16-0194	EA	4" Fiber Reinforced Plastic Damper	296.80	53.88
23 31 16 16-0195	EA	6" Fiber Reinforced Plastic Damper	353.73	71.84
23 31 16 16-0196	EA	8" Fiber Reinforced Plastic Damper	419.67	89.80
23 31 16 16-0197	EA	10" Fiber Reinforced Plastic Damper	476.62	107.77
23 31 16 16-0198	EA	12" Fiber Reinforced Plastic Damper	547.33	134.03
23 31 16 16-0199	EA	14" Fiber Reinforced Plastic Damper	605.50	141.88
23 31 16 16-0200	EA	16" Fiber Reinforced Plastic Damper	670.85	154.08
23 31 16 16-0201	EA	18" Fiber Reinforced Plastic Damper	734.42	165.23
23 31 16 16-0202	EA	20" Fiber Reinforced Plastic Damper	785.39	179.61
23 31 16 16-0203	EA	24" Fiber Reinforced Plastic Damper	887.33	197.57
23 31 16 16-0204	EA	30" Fiber Reinforced Plastic Damper	1,025.23	215.53
23 31 16 16-0205	EA	36" Fiber Reinforced Plastic Damper	1,178.17	242.47
23 31 16 16-0206	EA	42" Fiber Reinforced Plastic Damper	1,349.08	269.49
23 31 16 16-0207	EA	48" Fiber Reinforced Plastic Damper	1,502.03	296.42
23 31 16 16-0208	EA	54" Fiber Reinforced Plastic Damper	1,768.68	359.21
23 31 16 16-0209	EA	60" Fiber Reinforced Plastic Damper	2,080.35	449.01
23 31 16 16-0210	EA	66" Fiber Reinforced Plastic Damper	2,373.74	538.67
23 31 16 16-0211	EA	72" Fiber Reinforced Plastic Damper	2,727.35	610.44

23 33 Air Duct Accessories *(23 30)*

23 33 13 Dampers *(23 33)*

23 33 13 13 Volume-Control Dampers *(23 33 13)*

23 33 13 13-0001 Radial Opposed Blade Damper Steel Construction *(23 33 13 13)*

23 33 13 13-0002	EA	6" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	40.66	6.90
		For Stainless Steel, Add	*18.08*	
		For Parallel Blade Damper, Add	*5.56*	
23 33 13 13-0003	EA	7" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	45.16	7.76
		For Stainless Steel, Add	*18.36*	
		For Parallel Blade Damper, Add	*5.65*	
23 33 13 13-0004	EA	8" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	50.34	8.62
		For Stainless Steel, Add	*18.54*	
		For Parallel Blade Damper, Add	*5.70*	
23 33 13 13-0005	EA	10" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	54.94	10.35
		For Stainless Steel, Add	*19.71*	
		For Parallel Blade Damper, Add	*6.06*	
23 33 13 13-0006	EA	12" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	60.38	11.20
		For Stainless Steel, Add	*20.87*	
		For Parallel Blade Damper, Add	*6.42*	
23 33 13 13-0007	EA	14" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	69.00	12.07
		For Stainless Steel, Add	*26.66*	
		For Parallel Blade Damper, Add	*8.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0008	EA	15" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	75.80	12.93
		For Stainless Steel, Add	*28.98*	
		For Parallel Blade Damper, Add	*8.92*	
23 33 13 13-0009	EA	16" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	80.64	14.66
		For Stainless Steel, Add	*30.13*	
		For Parallel Blade Damper, Add	*9.27*	
23 33 13 13-0010	EA	18" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	87.91	15.51
		For Stainless Steel, Add	*33.61*	
		For Parallel Blade Damper, Add	*10.34*	
23 33 13 13-0011	EA	20" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	99.56	17.24
		For Stainless Steel, Add	*41.73*	
		For Parallel Blade Damper, Add	*12.84*	
23 33 13 13-0012	EA	24" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	107.08	17.24
		For Stainless Steel, Add	*47.52*	
		For Parallel Blade Damper, Add	*14.62*	
23 33 13 13-0013	EA	30" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	120.37	19.82
		For Stainless Steel, Add	*55.63*	
		For Parallel Blade Damper, Add	*17.12*	
23 33 13 13-0014	EA	36" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	128.29	20.69
		For Stainless Steel, Add	*60.62*	
		For Parallel Blade Damper, Add	*18.65*	

23 33 13 13-0015 Rectangular Opposed Blade Damper *(23 33 13 13)*

23 33 13 13-0016	EA	6" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	57.46	9.57
		For Stainless Steel, Add	*37.38*	
		For Parallel Blade Damper, Add	*11.50*	
23 33 13 13-0017	EA	8" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	60.79	10.00
		For Stainless Steel, Add	*40.03*	
		For Parallel Blade Damper, Add	*12.32*	
23 33 13 13-0018	EA	8" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	63.01	10.08
		For Stainless Steel, Add	*42.69*	
		For Parallel Blade Damper, Add	*13.14*	
23 33 13 13-0019	EA	10" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	63.01	10.08
		For Stainless Steel, Add	*42.69*	
		For Parallel Blade Damper, Add	*13.14*	
23 33 13 13-0020	EA	10" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	65.94	10.35
		For Stainless Steel, Add	*45.37*	
		For Parallel Blade Damper, Add	*13.96*	
23 33 13 13-0021	EA	10" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	73.48	11.46
		For Stainless Steel, Add	*50.69*	
		For Parallel Blade Damper, Add	*15.60*	
23 33 13 13-0022	EA	12" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	65.94	10.35
		For Stainless Steel, Add	*45.37*	
		For Parallel Blade Damper, Add	*13.96*	
23 33 13 13-0023	EA	12" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	71.76	10.95
		For Stainless Steel, Add	*50.69*	
		For Parallel Blade Damper, Add	*15.60*	
23 33 13 13-0024	EA	12" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	75.55	11.46
		For Stainless Steel, Add	*53.38*	
		For Parallel Blade Damper, Add	*16.42*	
23 33 13 13-0025	EA	12" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	81.92	12.93
		For Stainless Steel, Add	*56.06*	
		For Parallel Blade Damper, Add	*17.25*	
23 33 13 13-0026	EA	14" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	70.75	10.95
		For Stainless Steel, Add	*49.37*	
		For Parallel Blade Damper, Add	*15.19*	
23 33 13 13-0027	EA	14" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	75.55	11.46
		For Stainless Steel, Add	*53.38*	
		For Parallel Blade Damper, Add	*16.42*	
23 33 13 13-0028	EA	14" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	79.33	12.07
		For Stainless Steel, Add	*56.06*	
		For Parallel Blade Damper, Add	*17.25*	
23 33 13 13-0029	EA	14" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	83.97	12.93
		For Stainless Steel, Add	*58.72*	
		For Parallel Blade Damper, Add	*18.07*	
23 33 13 13-0030	EA	14" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	93.41	14.40
		For Stainless Steel, Add	*65.39*	
		For Parallel Blade Damper, Add	*20.12*	
23 33 13 13-0031	EA	16" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	75.55	11.46
		For Stainless Steel, Add	*53.38*	
		For Parallel Blade Damper, Add	*16.42*	
23 33 13 13-0032	EA	16" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	80.20	12.33
		For Stainless Steel, Add	*56.06*	
		For Parallel Blade Damper, Add	*17.25*	
23 33 13 13-0033	EA	16" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	85.70	13.54
		For Stainless Steel, Add	*58.72*	
		For Parallel Blade Damper, Add	*18.07*	
23 33 13 13-0034	EA	16" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	90.33	14.40
		For Stainless Steel, Add	*61.39*	
		For Parallel Blade Damper, Add	*18.89*	
23 33 13 13-0035	EA	16" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	99.79	15.78
		For Stainless Steel, Add	*68.08*	
		For Parallel Blade Damper, Add	*20.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0036	EA	16" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	109.22	17.24
		For Stainless Steel, Add	*74.74*	
		For Parallel Blade Damper, Add	*23.00*	
23 33 13 13-0037	EA	18" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	79.33	12.07
		For Stainless Steel, Add	*56.06*	
		For Parallel Blade Damper, Add	*17.25*	
23 33 13 13-0038	EA	18" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	84.99	12.93
		For Stainless Steel, Add	*60.05*	
		For Parallel Blade Damper, Add	*18.48*	
23 33 13 13-0039	EA	18" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	92.39	14.40
		For Stainless Steel, Add	*64.06*	
		For Parallel Blade Damper, Add	*19.71*	
23 33 13 13-0040	EA	18" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	101.84	15.78
		For Stainless Steel, Add	*70.75*	
		For Parallel Blade Damper, Add	*21.77*	
23 33 13 13-0041	EA	18" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	110.25	17.24
		For Stainless Steel, Add	*76.08*	
		For Parallel Blade Damper, Add	*23.41*	
23 33 13 13-0042	EA	18" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	119.69	18.62
		For Stainless Steel, Add	*82.73*	
		For Parallel Blade Damper, Add	*25.46*	
23 33 13 13-0043	EA	18" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	127.08	20.09
		For Stainless Steel, Add	*86.75*	
		For Parallel Blade Damper, Add	*26.69*	
23 33 13 13-0044	EA	20" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	83.97	12.93
		For Stainless Steel, Add	*58.72*	
		For Parallel Blade Damper, Add	*18.07*	
23 33 13 13-0045	EA	20" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	92.38	14.40
		For Stainless Steel, Add	*64.05*	
		For Parallel Blade Damper, Add	*19.71*	
23 33 13 13-0046	EA	20" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	100.80	15.78
		For Stainless Steel, Add	*69.39*	
		For Parallel Blade Damper, Add	*21.35*	
23 33 13 13-0047	EA	20" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	113.33	17.24
		For Stainless Steel, Add	*80.08*	
		For Parallel Blade Damper, Add	*24.64*	
23 33 13 13-0048	EA	20" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	120.74	18.62
		For Stainless Steel, Add	*84.10*	
		For Parallel Blade Damper, Add	*25.88*	
23 33 13 13-0049	EA	20" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	128.12	20.09
		For Stainless Steel, Add	*88.10*	
		For Parallel Blade Damper, Add	*27.11*	
23 33 13 13-0050	EA	20" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	136.52	21.56
		For Stainless Steel, Add	*93.42*	
		For Parallel Blade Damper, Add	*28.74*	
23 33 13 13-0051	EA	20" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	144.94	22.94
		For Stainless Steel, Add	*98.75*	
		For Parallel Blade Damper, Add	*30.38*	
23 33 13 13-0052	EA	24" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	94.44	14.40
		For Stainless Steel, Add	*66.73*	
		For Parallel Blade Damper, Add	*20.53*	
23 33 13 13-0053	EA	24" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	104.91	15.78
		For Stainless Steel, Add	*74.74*	
		For Parallel Blade Damper, Add	*23.00*	
23 33 13 13-0054	EA	24" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	113.33	17.24
		For Stainless Steel, Add	*80.08*	
		For Parallel Blade Damper, Add	*24.64*	
23 33 13 13-0055	EA	24" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	123.82	18.62
		For Stainless Steel, Add	*88.10*	
		For Parallel Blade Damper, Add	*27.11*	
23 33 13 13-0056	EA	24" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	131.19	20.09
		For Stainless Steel, Add	*92.09*	
		For Parallel Blade Damper, Add	*28.34*	
23 33 13 13-0057	EA	24" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	138.58	21.56
		For Stainless Steel, Add	*96.10*	
		For Parallel Blade Damper, Add	*29.57*	
23 33 13 13-0058	EA	24" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	149.05	22.94
		For Stainless Steel, Add	*104.09*	
		For Parallel Blade Damper, Add	*32.03*	
23 33 13 13-0059	EA	24" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	163.81	25.86
		For Stainless Steel, Add	*112.09*	
		For Parallel Blade Damper, Add	*34.49*	
23 33 13 13-0060	EA	24" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	180.68	28.71
		For Stainless Steel, Add	*122.80*	
		For Parallel Blade Damper, Add	*37.78*	
23 33 13 13-0061	EA	28" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	104.91	15.78
		For Stainless Steel, Add	*74.74*	
		For Parallel Blade Damper, Add	*23.00*	
23 33 13 13-0062	EA	28" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	113.33	17.24
		For Stainless Steel, Add	*80.08*	
		For Parallel Blade Damper, Add	*24.64*	
23 33 13 13-0063	EA	28" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	123.82	18.62
		For Stainless Steel, Add	*88.10*	
		For Parallel Blade Damper, Add	*27.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0064	EA	28" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	132.21	20.09
		For Stainless Steel, Add	*93.42*	
		For Parallel Blade Damper, Add	*28.74*	
23 33 13 13-0065	EA	28" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	141.65	21.56
		For Stainless Steel, Add	*100.09*	
		For Parallel Blade Damper, Add	*30.80*	
23 33 13 13-0066	EA	28" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	151.09	22.94
		For Stainless Steel, Add	*106.74*	
		For Parallel Blade Damper, Add	*32.84*	
23 33 13 13-0067	EA	28" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	165.87	25.86
		For Stainless Steel, Add	*114.76*	
		For Parallel Blade Damper, Add	*35.31*	
23 33 13 13-0068	EA	28" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	180.68	28.71
		For Stainless Steel, Add	*122.80*	
		For Parallel Blade Damper, Add	*37.78*	
23 33 13 13-0069	EA	28" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	197.29	30.17
		For Stainless Steel, Add	*138.79*	
		For Parallel Blade Damper, Add	*42.70*	
23 33 13 13-0070	EA	28" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	216.17	33.02
		For Stainless Steel, Add	*152.13*	
		For Parallel Blade Damper, Add	*46.81*	
23 33 13 13-0071	EA	32" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	119.50	17.24
		For Stainless Steel, Add	*88.10*	
		For Parallel Blade Damper, Add	*27.11*	
23 33 13 13-0072	EA	32" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	125.86	18.62
		For Stainless Steel, Add	*90.75*	
		For Parallel Blade Damper, Add	*27.92*	
23 33 13 13-0073	EA	32" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	132.21	20.09
		For Stainless Steel, Add	*93.42*	
		For Parallel Blade Damper, Add	*28.74*	
23 33 13 13-0074	EA	32" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	140.62	21.56
		For Stainless Steel, Add	*98.75*	
		For Parallel Blade Damper, Add	*30.38*	
23 33 13 13-0075	EA	32" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	151.49	22.94
		For Stainless Steel, Add	*107.26*	
		For Parallel Blade Damper, Add	*33.00*	
23 33 13 13-0076	EA	32" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	165.87	25.86
		For Stainless Steel, Add	*114.76*	
		For Parallel Blade Damper, Add	*35.31*	
23 33 13 13-0077	EA	32" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	182.73	28.71
		For Stainless Steel, Add	*125.46*	
		For Parallel Blade Damper, Add	*38.60*	
23 33 13 13-0078	EA	32" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	199.56	31.56
		For Stainless Steel, Add	*136.14*	
		For Parallel Blade Damper, Add	*41.89*	
23 33 13 13-0079	EA	32" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	216.17	33.02
		For Stainless Steel, Add	*152.13*	
		For Parallel Blade Damper, Add	*46.81*	
23 33 13 13-0080	EA	32" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	237.46	35.35
		For Stainless Steel, Add	*170.83*	
		For Parallel Blade Damper, Add	*52.56*	
23 33 13 13-0081	EA	32" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	259.92	37.34
		For Stainless Steel, Add	*192.19*	
		For Parallel Blade Damper, Add	*59.14*	
23 33 13 13-0082	EA	36" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	129.97	18.62
		For Stainless Steel, Add	*96.10*	
		For Parallel Blade Damper, Add	*29.57*	
23 33 13 13-0083	EA	36" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	138.37	20.09
		For Stainless Steel, Add	*101.43*	
		For Parallel Blade Damper, Add	*31.21*	
23 33 13 13-0084	EA	36" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	146.77	21.56
		For Stainless Steel, Add	*106.74*	
		For Parallel Blade Damper, Add	*32.84*	
23 33 13 13-0085	EA	36" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	157.26	22.94
		For Stainless Steel, Add	*114.76*	
		For Parallel Blade Damper, Add	*35.31*	
23 33 13 13-0086	EA	36" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	168.97	25.86
		For Stainless Steel, Add	*118.79*	
		For Parallel Blade Damper, Add	*36.55*	
23 33 13 13-0087	EA	36" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	176.37	27.24
		For Stainless Steel, Add	*122.80*	
		For Parallel Blade Damper, Add	*37.78*	
23 33 13 13-0088	EA	36" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	199.56	31.56
		For Stainless Steel, Add	*136.14*	
		For Parallel Blade Damper, Add	*41.89*	
23 33 13 13-0089	EA	36" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	218.44	34.49
		For Stainless Steel, Add	*149.46*	
		For Parallel Blade Damper, Add	*45.99*	
23 33 13 13-0090	EA	36" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	234.21	35.61
		For Stainless Steel, Add	*165.49*	
		For Parallel Blade Damper, Add	*50.92*	
23 33 13 13-0091	EA	36" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	258.38	38.19
		For Stainless Steel, Add	*186.82*	
		For Parallel Blade Damper, Add	*57.48*	

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23 33 13 13-0092	EA	36" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	278.80	40.18
		For Stainless Steel, Add	*205.52*	
		For Parallel Blade Damper, Add	*63.24*	
23 33 13 13-0093	EA	36" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	299.54	41.64
		For Stainless Steel, Add	*226.88*	
		For Parallel Blade Damper, Add	*69.81*	
23 33 13 13-0094	EA	40" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	136.31	21.56
		For Stainless Steel, Add	*98.75*	
		For Parallel Blade Damper, Add	*30.38*	
23 33 13 13-0095	EA	40" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	148.83	22.94
		For Stainless Steel, Add	*109.42*	
		For Parallel Blade Damper, Add	*33.67*	
23 33 13 13-0096	EA	40" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	155.20	24.40
		For Stainless Steel, Add	*112.09*	
		For Parallel Blade Damper, Add	*34.49*	
23 33 13 13-0097	EA	40" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	161.57	25.86
		For Stainless Steel, Add	*114.76*	
		For Parallel Blade Damper, Add	*35.31*	
23 33 13 13-0098	EA	40" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	177.38	27.24
		For Stainless Steel, Add	*124.11*	
		For Parallel Blade Damper, Add	*38.19*	
23 33 13 13-0099	EA	40" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	188.89	28.71
		For Stainless Steel, Add	*133.47*	
		For Parallel Blade Damper, Add	*41.07*	
23 33 13 13-0100	EA	40" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	210.02	33.02
		For Stainless Steel, Add	*144.13*	
		For Parallel Blade Damper, Add	*44.35*	
23 33 13 13-0101	EA	40" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	226.87	35.87
		For Stainless Steel, Add	*154.82*	
		For Parallel Blade Damper, Add	*47.64*	
23 33 13 13-0102	EA	40" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	246.08	38.19
		For Stainless Steel, Add	*170.83*	
		For Parallel Blade Damper, Add	*52.56*	
23 33 13 13-0103	EA	40" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	274.70	40.18
		For Stainless Steel, Add	*200.19*	
		For Parallel Blade Damper, Add	*61.60*	
23 33 13 13-0104	EA	40" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	293.89	42.51
		For Stainless Steel, Add	*216.18*	
		For Parallel Blade Damper, Add	*66.52*	
23 33 13 13-0105	EA	40" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	319.94	43.63
		For Stainless Steel, Add	*245.56*	
		For Parallel Blade Damper, Add	*75.56*	
23 33 13 13-0106	EA	40" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	347.38	45.95
		For Stainless Steel, Add	*272.26*	
		For Parallel Blade Damper, Add	*83.77*	
23 33 13 13-0107	EA	44" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	144.73	21.56
		For Stainless Steel, Add	*104.09*	
		For Parallel Blade Damper, Add	*32.03*	
23 33 13 13-0108	EA	44" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	157.26	22.94
		For Stainless Steel, Add	*114.76*	
		For Parallel Blade Damper, Add	*35.31*	
23 33 13 13-0109	EA	44" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	167.75	24.40
		For Stainless Steel, Add	*122.80*	
		For Parallel Blade Damper, Add	*37.78*	
23 33 13 13-0110	EA	44" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	174.10	25.86
		For Stainless Steel, Add	*125.46*	
		For Parallel Blade Damper, Add	*38.60*	
23 33 13 13-0111	EA	44" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	186.63	27.24
		For Stainless Steel, Add	*136.14*	
		For Parallel Blade Damper, Add	*41.89*	
23 33 13 13-0112	EA	44" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	199.15	28.71
		For Stainless Steel, Add	*146.81*	
		For Parallel Blade Damper, Add	*45.17*	
23 33 13 13-0113	EA	44" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	226.67	34.49
		For Stainless Steel, Add	*160.16*	
		For Parallel Blade Damper, Add	*49.28*	
23 33 13 13-0114	EA	44" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	245.53	37.34
		For Stainless Steel, Add	*173.49*	
		For Parallel Blade Damper, Add	*53.38*	
23 33 13 13-0115	EA	44" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	274.70	40.18
		For Stainless Steel, Add	*200.19*	
		For Parallel Blade Damper, Add	*61.60*	
23 33 13 13-0116	EA	44" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	301.80	43.11
		For Stainless Steel, Add	*224.21*	
		For Parallel Blade Damper, Add	*68.99*	
23 33 13 13-0117	EA	44" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	330.94	45.95
		For Stainless Steel, Add	*250.89*	
		For Parallel Blade Damper, Add	*77.20*	
23 33 13 13-0118	EA	44" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	353.73	47.33
		For Stainless Steel, Add	*274.91*	
		For Parallel Blade Damper, Add	*84.59*	
23 33 13 13-0119	EA	44" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	376.52	48.80
		For Stainless Steel, Add	*298.94*	
		For Parallel Blade Damper, Add	*91.98*	

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23 33 13 13-0120	EA	44" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	399.32	50.27
		For Stainless Steel, Add	*322.97*	
		For Parallel Blade Damper, Add	*99.38*	
23 33 13 13-0121	EA	48" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	155.20	22.94
		For Stainless Steel, Add	*112.09*	
		For Parallel Blade Damper, Add	*34.49*	
23 33 13 13-0122	EA	48" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	167.75	24.40
		For Stainless Steel, Add	*122.80*	
		For Parallel Blade Damper, Add	*37.78*	
23 33 13 13-0123	EA	48" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	174.10	25.86
		For Stainless Steel, Add	*125.46*	
		For Parallel Blade Damper, Add	*38.60*	
23 33 13 13-0124	EA	48" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	188.89	28.71
		For Stainless Steel, Add	*133.47*	
		For Parallel Blade Damper, Add	*41.07*	
23 33 13 13-0125	EA	48" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	205.71	31.56
		For Stainless Steel, Add	*144.13*	
		For Parallel Blade Damper, Add	*44.35*	
23 33 13 13-0126	EA	48" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	222.56	34.49
		For Stainless Steel, Add	*154.82*	
		For Parallel Blade Damper, Add	*47.64*	
23 33 13 13-0127	EA	48" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	243.49	37.34
		For Stainless Steel, Add	*170.83*	
		For Parallel Blade Damper, Add	*52.56*	
23 33 13 13-0128	EA	48" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	264.42	40.18
		For Stainless Steel, Add	*186.82*	
		For Parallel Blade Damper, Add	*57.48*	
23 33 13 13-0129	EA	48" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	291.53	43.11
		For Stainless Steel, Add	*210.86*	
		For Parallel Blade Damper, Add	*64.88*	
23 33 13 13-0130	EA	48" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	322.73	45.95
		For Stainless Steel, Add	*240.21*	
		For Parallel Blade Damper, Add	*73.91*	
23 33 13 13-0131	EA	48" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	345.54	47.33
		For Stainless Steel, Add	*264.26*	
		For Parallel Blade Damper, Add	*81.31*	
23 33 13 13-0132	EA	48" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	374.47	48.80
		For Stainless Steel, Add	*296.27*	
		For Parallel Blade Damper, Add	*91.16*	
23 33 13 13-0133	EA	48" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	401.58	51.65
		For Stainless Steel, Add	*320.29*	
		For Parallel Blade Damper, Add	*98.55*	
23 33 13 13-0134	EA	48" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	430.52	53.11
		For Stainless Steel, Add	*352.33*	
		For Parallel Blade Damper, Add	*108.41*	
23 33 13 13-0135	EA	48" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	459.88	57.43
		For Stainless Steel, Add	*373.67*	
		For Parallel Blade Damper, Add	*114.98*	
23 33 13 13-0136	EA	52" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	165.69	24.40
		For Stainless Steel, Add	*120.12*	
		For Parallel Blade Damper, Add	*36.96*	
23 33 13 13-0137	EA	52" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	178.20	25.86
		For Stainless Steel, Add	*130.79*	
		For Parallel Blade Damper, Add	*40.24*	
23 33 13 13-0138	EA	52" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	195.04	28.71
		For Stainless Steel, Add	*141.47*	
		For Parallel Blade Damper, Add	*43.53*	
23 33 13 13-0139	EA	52" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	205.71	31.56
		For Stainless Steel, Add	*144.13*	
		For Parallel Blade Damper, Add	*44.35*	
23 33 13 13-0140	EA	52" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	223.59	34.49
		For Stainless Steel, Add	*156.16*	
		For Parallel Blade Damper, Add	*48.05*	
23 33 13 13-0141	EA	52" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	241.44	37.34
		For Stainless Steel, Add	*168.17*	
		For Parallel Blade Damper, Add	*51.74*	
23 33 13 13-0142	EA	52" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	262.38	40.18
		For Stainless Steel, Add	*184.17*	
		For Parallel Blade Damper, Add	*56.67*	
23 33 13 13-0143	EA	52" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	283.32	43.11
		For Stainless Steel, Add	*200.19*	
		For Parallel Blade Damper, Add	*61.60*	
23 33 13 13-0144	EA	52" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	310.42	45.95
		For Stainless Steel, Add	*224.21*	
		For Parallel Blade Damper, Add	*68.99*	
23 33 13 13-0145	EA	52" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	343.67	48.80
		For Stainless Steel, Add	*256.23*	
		For Parallel Blade Damper, Add	*78.84*	
23 33 13 13-0146	EA	52" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	368.50	50.27
		For Stainless Steel, Add	*282.91*	
		For Parallel Blade Damper, Add	*87.05*	
23 33 13 13-0147	EA	52" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	399.53	51.65
		For Stainless Steel, Add	*317.63*	
		For Parallel Blade Damper, Add	*97.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0148	EA	52" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	432.77	54.58
		For Stainless Steel, Add	*349.64*	
		For Parallel Blade Damper, Add	*107.58*	
23 33 13 13-0149	EA	52" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	459.88	57.43
		For Stainless Steel, Add	*373.67*	
		For Parallel Blade Damper, Add	*114.98*	
23 33 13 13-0150	EA	52" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	497.45	61.73
		For Stainless Steel, Add	*405.70*	
		For Parallel Blade Damper, Add	*124.83*	
23 33 13 13-0151	EA	52" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	526.61	64.58
		For Stainless Steel, Add	*432.41*	
		For Parallel Blade Damper, Add	*133.05*	
23 33 13 13-0152	EA	56" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	174.10	25.86
		For Stainless Steel, Add	*125.46*	
		For Parallel Blade Damper, Add	*38.60*	
23 33 13 13-0153	EA	56" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	192.98	28.71
		For Stainless Steel, Add	*138.79*	
		For Parallel Blade Damper, Add	*42.70*	
23 33 13 13-0154	EA	56" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	207.77	31.56
		For Stainless Steel, Add	*146.81*	
		For Parallel Blade Damper, Add	*45.17*	
23 33 13 13-0155	EA	56" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	218.44	34.49
		For Stainless Steel, Add	*149.46*	
		For Parallel Blade Damper, Add	*45.99*	
23 33 13 13-0156	EA	56" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	238.35	37.34
		For Stainless Steel, Add	*164.15*	
		For Parallel Blade Damper, Add	*50.51*	
23 33 13 13-0157	EA	56" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	258.27	40.18
		For Stainless Steel, Add	*178.83*	
		For Parallel Blade Damper, Add	*55.02*	
23 33 13 13-0158	EA	56" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	278.18	43.11
		For Stainless Steel, Add	*193.51*	
		For Parallel Blade Damper, Add	*59.54*	
23 33 13 13-0159	EA	56" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	298.09	45.95
		For Stainless Steel, Add	*208.18*	
		For Parallel Blade Damper, Add	*64.06*	
23 33 13 13-0160	EA	56" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	331.35	48.80
		For Stainless Steel, Add	*240.21*	
		For Parallel Blade Damper, Add	*73.91*	
23 33 13 13-0161	EA	56" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	360.31	50.27
		For Stainless Steel, Add	*272.26*	
		For Parallel Blade Damper, Add	*83.77*	
23 33 13 13-0162	EA	56" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	387.21	51.65
		For Stainless Steel, Add	*301.61*	
		For Parallel Blade Damper, Add	*92.80*	
23 33 13 13-0163	EA	56" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	424.57	54.58
		For Stainless Steel, Add	*338.98*	
		For Parallel Blade Damper, Add	*104.30*	
23 33 13 13-0164	EA	56" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	457.83	57.43
		For Stainless Steel, Add	*371.01*	
		For Parallel Blade Damper, Add	*114.16*	
23 33 13 13-0165	EA	56" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	493.14	60.26
		For Stainless Steel, Add	*405.70*	
		For Parallel Blade Damper, Add	*124.83*	
23 33 13 13-0166	EA	56" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	522.31	63.20
		For Stainless Steel, Add	*432.41*	
		For Parallel Blade Damper, Add	*133.05*	
23 33 13 13-0167	EA	56" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	557.61	66.04
		For Stainless Steel, Add	*467.10*	
		For Parallel Blade Damper, Add	*143.72*	
23 33 13 13-0168	EA	56" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	592.93	68.89
		For Stainless Steel, Add	*501.80*	
		For Parallel Blade Damper, Add	*154.40*	
23 33 13 13-0169	EA	60" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	188.89	28.71
		For Stainless Steel, Add	*133.47*	
		For Parallel Blade Damper, Add	*41.07*	
23 33 13 13-0170	EA	60" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	207.77	31.56
		For Stainless Steel, Add	*146.81*	
		For Parallel Blade Damper, Add	*45.17*	
23 33 13 13-0171	EA	60" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	220.49	34.49
		For Stainless Steel, Add	*152.13*	
		For Parallel Blade Damper, Add	*46.81*	
23 33 13 13-0172	EA	60" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	231.17	37.34
		For Stainless Steel, Add	*154.82*	
		For Parallel Blade Damper, Add	*47.64*	
23 33 13 13-0173	EA	60" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	252.12	40.18
		For Stainless Steel, Add	*170.83*	
		For Parallel Blade Damper, Add	*52.56*	
23 33 13 13-0174	EA	60" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	273.04	43.11
		For Stainless Steel, Add	*186.82*	
		For Parallel Blade Damper, Add	*57.48*	
23 33 13 13-0175	EA	60" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	295.01	45.95
		For Stainless Steel, Add	*204.18*	
		For Parallel Blade Damper, Add	*62.82*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0176	EA	60" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	316.98	48.80
		For Stainless Steel, Add	*221.53*	
		For Parallel Blade Damper, Add	*68.16*	
23 33 13 13-0177	EA	60" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	347.98	50.27
		For Stainless Steel, Add	*256.23*	
		For Parallel Blade Damper, Add	*78.84*	
23 33 13 13-0178	EA	60" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	376.93	51.65
		For Stainless Steel, Add	*288.25*	
		For Parallel Blade Damper, Add	*88.69*	
23 33 13 13-0179	EA	60" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	412.26	54.58
		For Stainless Steel, Add	*322.97*	
		For Parallel Blade Damper, Add	*99.38*	
23 33 13 13-0180	EA	60" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	447.57	57.43
		For Stainless Steel, Add	*357.67*	
		For Parallel Blade Damper, Add	*110.05*	
23 33 13 13-0181	EA	60" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	476.71	60.26
		For Stainless Steel, Add	*384.35*	
		For Parallel Blade Damper, Add	*118.26*	
23 33 13 13-0182	EA	60" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	518.18	63.20
		For Stainless Steel, Add	*427.04*	
		For Parallel Blade Damper, Add	*131.40*	
23 33 13 13-0183	EA	60" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	555.54	66.04
		For Stainless Steel, Add	*464.41*	
		For Parallel Blade Damper, Add	*142.90*	
23 33 13 13-0184	EA	60" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	592.93	68.89
		For Stainless Steel, Add	*501.80*	
		For Parallel Blade Damper, Add	*154.40*	
23 33 13 13-0185	EA	60" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	626.16	71.82
		For Stainless Steel, Add	*533.79*	
		For Parallel Blade Damper, Add	*164.24*	
23 33 13 13-0186	EA	60" x 60" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	659.45	74.66
		For Stainless Steel, Add	*565.85*	
		For Parallel Blade Damper, Add	*174.11*	

23 33 13 16 Fire Dampers *(23 33 13)*

23 33 13 16-0001 Fire Dampers *(23 33 13 16)*

23 33 13 16-0002	SF	Fire Damper, Vertical Curtain Type	49.40	9.31
		For Smoke Damper, Add	*18.17*	
		For Horizontal, Add	*3.21*	
		For Dynamic Damper, Add	*4.81*	
		For 3 Hour Rated, Add	*4.28*	
23 33 13 16-0003	SF	Fire Damper, Vertical Louver Type	61.07	9.31
		For Smoke Damper, Add	*28.09*	
		For Horizontal, Add	*4.96*	
		For Dynamic Damper, Add	*7.44*	
		For 3 Hour Rated, Add	*6.61*	

23 33 13 16-0004 Folding Curtain Fire Dampers *(23 33 13 16)*

Note: UL Listed. Air stream galvanized steel construction with fusible link 160 F spring actuated for horizontal mount gravity actuated for vertical mount 1-1/2 hour fire rating. Damper blades and damper frame are in the air stream.

23 33 13 16-0005	EA	6" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	45.11	9.57
		For Horizontal, Add	*2.46*	
		For Dynamic Damper, Add	*3.69*	
		For 3 Hour Rated, Add	*3.28*	
		For Damper Blades Outside Air Stream, Add	*4.92*	
23 33 13 16-0006	EA	8" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	47.56	10.00
		For Horizontal, Add	*2.63*	
		For Dynamic Damper, Add	*3.95*	
		For 3 Hour Rated, Add	*3.51*	
		For Damper Blades Outside Air Stream, Add	*5.27*	
23 33 13 16-0007	EA	8" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	48.91	10.08
		For Horizontal, Add	*2.81*	
		For Dynamic Damper, Add	*4.22*	
		For 3 Hour Rated, Add	*3.75*	
		For Damper Blades Outside Air Stream, Add	*5.62*	
23 33 13 16-0008	EA	10" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	48.91	10.08
		For Horizontal, Add	*2.81*	
		For Dynamic Damper, Add	*4.22*	
		For 3 Hour Rated, Add	*3.75*	
		For Damper Blades Outside Air Stream, Add	*5.62*	
23 33 13 16-0009	EA	10" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	50.95	10.35
		For Horizontal, Add	*2.99*	
		For Dynamic Damper, Add	*4.48*	
		For 3 Hour Rated, Add	*3.98*	
		For Damper Blades Outside Air Stream, Add	*5.97*	
23 33 13 16-0010	EA	10" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	56.74	11.46
		For Horizontal, Add	*3.34*	
		For Dynamic Damper, Add	*5.01*	
		For 3 Hour Rated, Add	*4.45*	
		For Damper Blades Outside Air Stream, Add	*6.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0011	EA	12" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	50.95	10.35
		For Horizontal, Add	*2.99*	
		For Dynamic Damper, Add	*4.48*	
		For 3 Hour Rated, Add	*3.98*	
		For Damper Blades Outside Air Stream, Add	*5.97*	
23 33 13 16-0012	EA	12" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	55.02	10.95
		For Horizontal, Add	*3.34*	
		For Dynamic Damper, Add	*5.01*	
		For 3 Hour Rated, Add	*4.45*	
		For Damper Blades Outside Air Stream, Add	*6.68*	
23 33 13 16-0013	EA	12" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	57.91	11.46
		For Horizontal, Add	*3.51*	
		For Dynamic Damper, Add	*5.27*	
		For 3 Hour Rated, Add	*4.68*	
		For Damper Blades Outside Air Stream, Add	*7.03*	
23 33 13 16-0014	EA	12" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	63.40	12.93
		For Horizontal, Add	*3.69*	
		For Dynamic Damper, Add	*5.54*	
		For 3 Hour Rated, Add	*4.92*	
		For Damper Blades Outside Air Stream, Add	*7.38*	
23 33 13 16-0015	EA	14" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	54.44	10.95
		For Horizontal, Add	*3.25*	
		For Dynamic Damper, Add	*4.88*	
		For 3 Hour Rated, Add	*4.33*	
		For Damper Blades Outside Air Stream, Add	*6.50*	
23 33 13 16-0016	EA	14" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	57.91	11.46
		For Horizontal, Add	*3.51*	
		For Dynamic Damper, Add	*5.27*	
		For 3 Hour Rated, Add	*4.68*	
		For Damper Blades Outside Air Stream, Add	*7.03*	
23 33 13 16-0017	EA	14" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	60.81	12.07
		For Horizontal, Add	*3.69*	
		For Dynamic Damper, Add	*5.54*	
		For 3 Hour Rated, Add	*4.92*	
		For Damper Blades Outside Air Stream, Add	*7.38*	
23 33 13 16-0018	EA	14" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	64.57	12.93
		For Horizontal, Add	*3.87*	
		For Dynamic Damper, Add	*5.80*	
		For 3 Hour Rated, Add	*5.15*	
		For Damper Blades Outside Air Stream, Add	*7.73*	
23 33 13 16-0019	EA	14" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	71.81	14.40
		For Horizontal, Add	*4.31*	
		For Dynamic Damper, Add	*6.46*	
		For 3 Hour Rated, Add	*5.74*	
		For Damper Blades Outside Air Stream, Add	*8.61*	
23 33 13 16-0020	EA	16" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	57.91	11.46
		For Horizontal, Add	*3.51*	
		For Dynamic Damper, Add	*5.27*	
		For 3 Hour Rated, Add	*4.68*	
		For Damper Blades Outside Air Stream, Add	*7.03*	
23 33 13 16-0021	EA	16" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	61.68	12.33
		For Horizontal, Add	*3.69*	
		For Dynamic Damper, Add	*5.54*	
		For 3 Hour Rated, Add	*4.92*	
		For Damper Blades Outside Air Stream, Add	*7.38*	
23 33 13 16-0022	EA	16" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	66.30	13.54
		For Horizontal, Add	*3.87*	
		For Dynamic Damper, Add	*5.80*	
		For 3 Hour Rated, Add	*5.15*	
		For Damper Blades Outside Air Stream, Add	*7.73*	
23 33 13 16-0023	EA	16" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	70.04	14.40
		For Horizontal, Add	*4.04*	
		For Dynamic Damper, Add	*6.06*	
		For 3 Hour Rated, Add	*5.39*	
		For Damper Blades Outside Air Stream, Add	*8.08*	
23 33 13 16-0024	EA	16" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	77.29	15.78
		For Horizontal, Add	*4.48*	
		For Dynamic Damper, Add	*6.72*	
		For 3 Hour Rated, Add	*5.97*	
		For Damper Blades Outside Air Stream, Add	*8.96*	
23 33 13 16-0025	EA	16" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	84.53	17.24
		For Horizontal, Add	*4.92*	
		For Dynamic Damper, Add	*7.38*	
		For 3 Hour Rated, Add	*6.56*	
		For Damper Blades Outside Air Stream, Add	*9.84*	
23 33 13 16-0026	EA	18" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	60.81	12.07
		For Horizontal, Add	*3.69*	
		For Dynamic Damper, Add	*5.54*	
		For 3 Hour Rated, Add	*4.92*	
		For Damper Blades Outside Air Stream, Add	*7.38*	
23 33 13 16-0027	EA	18" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	65.15	12.93
		For Horizontal, Add	*3.95*	
		For Dynamic Damper, Add	*5.93*	
		For 3 Hour Rated, Add	*5.27*	
		For Damper Blades Outside Air Stream, Add	*7.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0028	EA	18" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	71.23	14.40
		For Horizontal, Add	*4.22*	
		For Dynamic Damper, Add	*6.33*	
		For 3 Hour Rated, Add	*5.62*	
		For Damper Blades Outside Air Stream, Add	*8.44*	
23 33 13 16-0029	EA	18" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	78.46	15.78
		For Horizontal, Add	*4.66*	
		For Dynamic Damper, Add	*6.98*	
		For 3 Hour Rated, Add	*6.21*	
		For Damper Blades Outside Air Stream, Add	*9.31*	
23 33 13 16-0030	EA	18" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	85.11	17.24
		For Horizontal, Add	*5.01*	
		For Dynamic Damper, Add	*7.51*	
		For 3 Hour Rated, Add	*6.68*	
		For Damper Blades Outside Air Stream, Add	*10.01*	
23 33 13 16-0031	EA	18" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	92.36	18.62
		For Horizontal, Add	*5.45*	
		For Dynamic Damper, Add	*8.17*	
		For 3 Hour Rated, Add	*7.26*	
		For Damper Blades Outside Air Stream, Add	*10.89*	
23 33 13 16-0032	EA	18" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	98.42	20.09
		For Horizontal, Add	*5.71*	
		For Dynamic Damper, Add	*8.57*	
		For 3 Hour Rated, Add	*7.61*	
		For Damper Blades Outside Air Stream, Add	*11.42*	
23 33 13 16-0033	EA	20" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	64.57	12.93
		For Horizontal, Add	*3.87*	
		For Dynamic Damper, Add	*5.80*	
		For 3 Hour Rated, Add	*5.15*	
		For Damper Blades Outside Air Stream, Add	*7.73*	
23 33 13 16-0034	EA	20" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	71.22	14.40
		For Horizontal, Add	*4.22*	
		For Dynamic Damper, Add	*6.32*	
		For 3 Hour Rated, Add	*5.62*	
		For Damper Blades Outside Air Stream, Add	*8.43*	
23 33 13 16-0035	EA	20" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	77.87	15.78
		For Horizontal, Add	*4.57*	
		For Dynamic Damper, Add	*6.85*	
		For 3 Hour Rated, Add	*6.09*	
		For Damper Blades Outside Air Stream, Add	*9.14*	
23 33 13 16-0036	EA	20" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	86.88	17.24
		For Horizontal, Add	*5.27*	
		For Dynamic Damper, Add	*7.91*	
		For 3 Hour Rated, Add	*7.03*	
		For Damper Blades Outside Air Stream, Add	*10.55*	
23 33 13 16-0037	EA	20" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	92.95	18.62
		For Horizontal, Add	*5.54*	
		For Dynamic Damper, Add	*8.30*	
		For 3 Hour Rated, Add	*7.38*	
		For Damper Blades Outside Air Stream, Add	*11.07*	
23 33 13 16-0038	EA	20" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	99.01	20.09
		For Horizontal, Add	*5.80*	
		For Dynamic Damper, Add	*8.70*	
		For 3 Hour Rated, Add	*7.73*	
		For Damper Blades Outside Air Stream, Add	*11.60*	
23 33 13 16-0039	EA	20" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	105.66	21.56
		For Horizontal, Add	*6.15*	
		For Dynamic Damper, Add	*9.23*	
		For 3 Hour Rated, Add	*8.20*	
		For Damper Blades Outside Air Stream, Add	*12.30*	
23 33 13 16-0040	EA	20" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	112.31	22.94
		For Horizontal, Add	*6.50*	
		For Dynamic Damper, Add	*9.75*	
		For 3 Hour Rated, Add	*8.67*	
		For Damper Blades Outside Air Stream, Add	*13.00*	
23 33 13 16-0041	EA	24" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	72.39	14.40
		For Horizontal, Add	*4.39*	
		For Dynamic Damper, Add	*6.59*	
		For 3 Hour Rated, Add	*5.86*	
		For Damper Blades Outside Air Stream, Add	*8.78*	
23 33 13 16-0042	EA	24" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	80.22	15.78
		For Horizontal, Add	*4.92*	
		For Dynamic Damper, Add	*7.38*	
		For 3 Hour Rated, Add	*6.56*	
		For Damper Blades Outside Air Stream, Add	*9.84*	
23 33 13 16-0043	EA	24" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	86.88	17.24
		For Horizontal, Add	*5.27*	
		For Dynamic Damper, Add	*7.91*	
		For 3 Hour Rated, Add	*7.03*	
		For Damper Blades Outside Air Stream, Add	*10.55*	
23 33 13 16-0044	EA	24" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	94.71	18.62
		For Horizontal, Add	*5.80*	
		For Dynamic Damper, Add	*8.70*	
		For 3 Hour Rated, Add	*7.73*	
		For Damper Blades Outside Air Stream, Add	*11.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0045	EA	24" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	100.76	20.09
		For Horizontal, Add	*6.06*	
		For Dynamic Damper, Add	*9.09*	
		For 3 Hour Rated, Add	*8.08*	
		For Damper Blades Outside Air Stream, Add	*12.12*	
23 33 13 16-0046	EA	24" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	106.83	21.56
		For Horizontal, Add	*6.33*	
		For Dynamic Damper, Add	*9.49*	
		For 3 Hour Rated, Add	*8.43*	
		For Damper Blades Outside Air Stream, Add	*12.65*	
23 33 13 16-0047	EA	24" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	114.66	22.94
		For Horizontal, Add	*6.85*	
		For Dynamic Damper, Add	*10.28*	
		For 3 Hour Rated, Add	*9.14*	
		For Damper Blades Outside Air Stream, Add	*13.70*	
23 33 13 16-0048	EA	24" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	126.78	25.86
		For Horizontal, Add	*7.38*	
		For Dynamic Damper, Add	*11.07*	
		For 3 Hour Rated, Add	*9.84*	
		For Damper Blades Outside Air Stream, Add	*14.76*	
23 33 13 16-0049	EA	24" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	140.11	28.71
		For Horizontal, Add	*8.08*	
		For Dynamic Damper, Add	*12.13*	
		For 3 Hour Rated, Add	*10.78*	
		For Damper Blades Outside Air Stream, Add	*16.17*	
23 33 13 16-0050	EA	28" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	80.22	15.78
		For Horizontal, Add	*4.92*	
		For Dynamic Damper, Add	*7.38*	
		For 3 Hour Rated, Add	*6.56*	
		For Damper Blades Outside Air Stream, Add	*9.84*	
23 33 13 16-0051	EA	28" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	86.88	17.24
		For Horizontal, Add	*5.27*	
		For Dynamic Damper, Add	*7.91*	
		For 3 Hour Rated, Add	*7.03*	
		For Damper Blades Outside Air Stream, Add	*10.55*	
23 33 13 16-0052	EA	28" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	94.71	18.62
		For Horizontal, Add	*5.80*	
		For Dynamic Damper, Add	*8.70*	
		For 3 Hour Rated, Add	*7.73*	
		For Damper Blades Outside Air Stream, Add	*11.60*	
23 33 13 16-0053	EA	28" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	101.35	20.09
		For Horizontal, Add	*6.15*	
		For Dynamic Damper, Add	*9.23*	
		For 3 Hour Rated, Add	*8.20*	
		For Damper Blades Outside Air Stream, Add	*12.30*	
23 33 13 16-0054	EA	28" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	108.59	21.56
		For Horizontal, Add	*6.59*	
		For Dynamic Damper, Add	*9.88*	
		For 3 Hour Rated, Add	*8.79*	
		For Damper Blades Outside Air Stream, Add	*13.18*	
23 33 13 16-0055	EA	28" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	115.83	22.94
		For Horizontal, Add	*7.03*	
		For Dynamic Damper, Add	*10.54*	
		For 3 Hour Rated, Add	*9.37*	
		For Damper Blades Outside Air Stream, Add	*14.06*	
23 33 13 16-0056	EA	28" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	127.96	25.86
		For Horizontal, Add	*7.56*	
		For Dynamic Damper, Add	*11.33*	
		For 3 Hour Rated, Add	*10.07*	
		For Damper Blades Outside Air Stream, Add	*15.11*	
23 33 13 16-0057	EA	28" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	140.11	28.71
		For Horizontal, Add	*8.08*	
		For Dynamic Damper, Add	*12.13*	
		For 3 Hour Rated, Add	*10.78*	
		For Damper Blades Outside Air Stream, Add	*16.17*	
23 33 13 16-0058	EA	28" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	151.44	30.17
		For Horizontal, Add	*9.14*	
		For Dynamic Damper, Add	*13.70*	
		For 3 Hour Rated, Add	*12.18*	
		For Damper Blades Outside Air Stream, Add	*18.27*	
23 33 13 16-0059	EA	28" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	165.92	33.02
		For Horizontal, Add	*10.02*	
		For Dynamic Damper, Add	*15.02*	
		For 3 Hour Rated, Add	*13.35*	
		For Damper Blades Outside Air Stream, Add	*20.03*	
23 33 13 16-0060	EA	32" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	90.39	17.24
		For Horizontal, Add	*5.80*	
		For Dynamic Damper, Add	*8.70*	
		For 3 Hour Rated, Add	*7.73*	
		For Damper Blades Outside Air Stream, Add	*11.60*	
23 33 13 16-0061	EA	32" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	95.87	18.62
		For Horizontal, Add	*5.97*	
		For Dynamic Damper, Add	*8.96*	
		For 3 Hour Rated, Add	*7.96*	
		For Damper Blades Outside Air Stream, Add	*11.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0062	EA	32" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	101.35	20.09
		For Horizontal, Add	*6.15*	
		For Dynamic Damper, Add	*9.23*	
		For 3 Hour Rated, Add	*8.20*	
		For Damper Blades Outside Air Stream, Add	*12.30*	
23 33 13 16-0063	EA	32" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	107.99	21.56
		For Horizontal, Add	*6.50*	
		For Dynamic Damper, Add	*9.75*	
		For 3 Hour Rated, Add	*8.67*	
		For Damper Blades Outside Air Stream, Add	*13.00*	
23 33 13 16-0064	EA	32" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	116.05	22.94
		For Horizontal, Add	*7.06*	
		For Dynamic Damper, Add	*10.59*	
		For 3 Hour Rated, Add	*9.41*	
		For Damper Blades Outside Air Stream, Add	*14.12*	
23 33 13 16-0065	EA	32" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	127.96	25.86
		For Horizontal, Add	*7.56*	
		For Dynamic Damper, Add	*11.33*	
		For 3 Hour Rated, Add	*10.07*	
		For Damper Blades Outside Air Stream, Add	*15.11*	
23 33 13 16-0066	EA	32" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	141.28	28.71
		For Horizontal, Add	*8.26*	
		For Dynamic Damper, Add	*12.39*	
		For 3 Hour Rated, Add	*11.01*	
		For Damper Blades Outside Air Stream, Add	*16.52*	
23 33 13 16-0067	EA	32" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	154.58	31.56
		For Horizontal, Add	*8.96*	
		For Dynamic Damper, Add	*13.44*	
		For 3 Hour Rated, Add	*11.95*	
		For Damper Blades Outside Air Stream, Add	*17.92*	
23 33 13 16-0068	EA	32" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	165.92	33.02
		For Horizontal, Add	*10.02*	
		For Dynamic Damper, Add	*15.02*	
		For 3 Hour Rated, Add	*13.35*	
		For Damper Blades Outside Air Stream, Add	*20.03*	
23 33 13 16-0069	EA	32" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	181.02	35.35
		For Horizontal, Add	*11.25*	
		For Dynamic Damper, Add	*16.87*	
		For 3 Hour Rated, Add	*14.99*	
		For Damper Blades Outside Air Stream, Add	*22.49*	
23 33 13 16-0070	EA	32" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	196.42	37.34
		For Horizontal, Add	*12.65*	
		For Dynamic Damper, Add	*18.98*	
		For 3 Hour Rated, Add	*16.87*	
		For Damper Blades Outside Air Stream, Add	*25.30*	
23 33 13 16-0071	EA	36" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	98.22	18.62
		For Horizontal, Add	*6.33*	
		For Dynamic Damper, Add	*9.49*	
		For 3 Hour Rated, Add	*8.43*	
		For Damper Blades Outside Air Stream, Add	*12.65*	
23 33 13 16-0072	EA	36" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	104.86	20.09
		For Horizontal, Add	*6.68*	
		For Dynamic Damper, Add	*10.01*	
		For 3 Hour Rated, Add	*8.90*	
		For Damper Blades Outside Air Stream, Add	*13.35*	
23 33 13 16-0073	EA	36" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	111.51	21.56
		For Horizontal, Add	*7.03*	
		For Dynamic Damper, Add	*10.54*	
		For 3 Hour Rated, Add	*9.37*	
		For Damper Blades Outside Air Stream, Add	*14.06*	
23 33 13 16-0074	EA	36" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	119.35	22.94
		For Horizontal, Add	*7.56*	
		For Dynamic Damper, Add	*11.33*	
		For 3 Hour Rated, Add	*10.07*	
		For Damper Blades Outside Air Stream, Add	*15.11*	
23 33 13 16-0075	EA	36" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	129.72	25.86
		For Horizontal, Add	*7.82*	
		For Dynamic Damper, Add	*11.73*	
		For 3 Hour Rated, Add	*10.43*	
		For Damper Blades Outside Air Stream, Add	*15.64*	
23 33 13 16-0076	EA	36" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	135.80	27.24
		For Horizontal, Add	*8.08*	
		For Dynamic Damper, Add	*12.13*	
		For 3 Hour Rated, Add	*10.78*	
		For Damper Blades Outside Air Stream, Add	*16.17*	
23 33 13 16-0077	EA	36" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	154.58	31.56
		For Horizontal, Add	*8.96*	
		For Dynamic Damper, Add	*13.44*	
		For 3 Hour Rated, Add	*11.95*	
		For Damper Blades Outside Air Stream, Add	*17.92*	
23 33 13 16-0078	EA	36" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	169.06	34.49
		For Horizontal, Add	*9.84*	
		For Dynamic Damper, Add	*14.76*	
		For 3 Hour Rated, Add	*13.12*	
		For Damper Blades Outside Air Stream, Add	*19.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0079	EA	36" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	148.41	35.61
		For Horizontal, Add	*6.23*	
		For Dynamic Damper, Add	*9.34*	
		For 3 Hour Rated, Add	*8.30*	
		For Damper Blades Outside Air Stream, Add	*12.45*	
23 33 13 16-0080	EA	36" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	196.66	38.19
		For Horizontal, Add	*12.30*	
		For Dynamic Damper, Add	*18.45*	
		For 3 Hour Rated, Add	*16.40*	
		For Damper Blades Outside Air Stream, Add	*24.60*	
23 33 13 16-0081	EA	36" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	210.90	40.18
		For Horizontal, Add	*13.53*	
		For Dynamic Damper, Add	*20.29*	
		For 3 Hour Rated, Add	*18.04*	
		For Damper Blades Outside Air Stream, Add	*27.06*	
23 33 13 16-0082	EA	36" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	224.58	41.64
		For Horizontal, Add	*14.93*	
		For Dynamic Damper, Add	*22.40*	
		For 3 Hour Rated, Add	*19.91*	
		For Damper Blades Outside Air Stream, Add	*29.87*	
23 33 13 16-0083	EA	40" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	103.68	21.56
		For Horizontal, Add	*6.50*	
		For Dynamic Damper, Add	*9.75*	
		For 3 Hour Rated, Add	*8.67*	
		For Damper Blades Outside Air Stream, Add	*13.00*	
23 33 13 16-0084	EA	40" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	112.68	22.94
		For Horizontal, Add	*7.20*	
		For Dynamic Damper, Add	*10.80*	
		For 3 Hour Rated, Add	*9.60*	
		For Damper Blades Outside Air Stream, Add	*14.41*	
23 33 13 16-0085	EA	40" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	118.17	24.40
		For Horizontal, Add	*7.38*	
		For Dynamic Damper, Add	*11.07*	
		For 3 Hour Rated, Add	*9.84*	
		For Damper Blades Outside Air Stream, Add	*14.76*	
23 33 13 16-0086	EA	40" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	123.66	25.86
		For Horizontal, Add	*7.56*	
		For Dynamic Damper, Add	*11.33*	
		For 3 Hour Rated, Add	*10.07*	
		For Damper Blades Outside Air Stream, Add	*15.11*	
23 33 13 16-0087	EA	40" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	136.38	27.24
		For Horizontal, Add	*8.17*	
		For Dynamic Damper, Add	*12.26*	
		For 3 Hour Rated, Add	*10.89*	
		For Damper Blades Outside Air Stream, Add	*16.34*	
23 33 13 16-0088	EA	40" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	144.79	28.71
		For Horizontal, Add	*8.79*	
		For Dynamic Damper, Add	*13.18*	
		For 3 Hour Rated, Add	*11.71*	
		For Damper Blades Outside Air Stream, Add	*17.57*	
23 33 13 16-0089	EA	40" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	162.40	33.02
		For Horizontal, Add	*9.49*	
		For Dynamic Damper, Add	*14.23*	
		For 3 Hour Rated, Add	*12.65*	
		For Damper Blades Outside Air Stream, Add	*18.98*	
23 33 13 16-0090	EA	40" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	175.72	35.87
		For Horizontal, Add	*10.19*	
		For Dynamic Damper, Add	*15.29*	
		For 3 Hour Rated, Add	*13.59*	
		For Damper Blades Outside Air Stream, Add	*20.38*	
23 33 13 16-0091	EA	40" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	189.64	38.19
		For Horizontal, Add	*11.25*	
		For Dynamic Damper, Add	*16.87*	
		For 3 Hour Rated, Add	*14.99*	
		For Damper Blades Outside Air Stream, Add	*22.49*	
23 33 13 16-0092	EA	40" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	208.56	40.18
		For Horizontal, Add	*13.18*	
		For Dynamic Damper, Add	*19.77*	
		For 3 Hour Rated, Add	*17.57*	
		For Damper Blades Outside Air Stream, Add	*26.36*	
23 33 13 16-0093	EA	40" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	222.47	42.51
		For Horizontal, Add	*14.23*	
		For Dynamic Damper, Add	*21.35*	
		For 3 Hour Rated, Add	*18.97*	
		For Damper Blades Outside Air Stream, Add	*28.46*	
23 33 13 16-0094	EA	40" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	238.81	43.63
		For Horizontal, Add	*16.16*	
		For Dynamic Damper, Add	*24.25*	
		For 3 Hour Rated, Add	*21.55*	
		For Damper Blades Outside Air Stream, Add	*32.33*	
23 33 13 16-0095	EA	40" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	257.43	45.95
		For Horizontal, Add	*17.92*	
		For Dynamic Damper, Add	*26.88*	
		For 3 Hour Rated, Add	*23.90*	
		For Damper Blades Outside Air Stream, Add	*35.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0096	EA	44" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	110.34	21.56
		For Horizontal, Add	*6.85*	
		For Dynamic Damper, Add	*10.28*	
		For 3 Hour Rated, Add	*9.14*	
		For Damper Blades Outside Air Stream, Add	*13.70*	
23 33 13 16-0097	EA	44" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	119.35	22.94
		For Horizontal, Add	*7.56*	
		For Dynamic Damper, Add	*11.33*	
		For 3 Hour Rated, Add	*10.07*	
		For Damper Blades Outside Air Stream, Add	*15.11*	
23 33 13 16-0098	EA	44" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	127.18	24.40
		For Horizontal, Add	*8.08*	
		For Dynamic Damper, Add	*12.13*	
		For 3 Hour Rated, Add	*10.78*	
		For Damper Blades Outside Air Stream, Add	*16.17*	
23 33 13 16-0099	EA	44" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	132.65	25.86
		For Horizontal, Add	*8.26*	
		For Dynamic Damper, Add	*12.39*	
		For 3 Hour Rated, Add	*11.01*	
		For Damper Blades Outside Air Stream, Add	*16.52*	
23 33 13 16-0100	EA	44" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	141.65	27.24
		For Horizontal, Add	*8.96*	
		For Dynamic Damper, Add	*13.44*	
		For 3 Hour Rated, Add	*11.95*	
		For Damper Blades Outside Air Stream, Add	*17.92*	
23 33 13 16-0101	EA	44" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	150.65	28.71
		For Horizontal, Add	*9.66*	
		For Dynamic Damper, Add	*14.50*	
		For 3 Hour Rated, Add	*12.89*	
		For Damper Blades Outside Air Stream, Add	*19.33*	
23 33 13 16-0102	EA	44" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	173.76	34.49
		For Horizontal, Add	*10.54*	
		For Dynamic Damper, Add	*15.82*	
		For 3 Hour Rated, Add	*14.06*	
		For Damper Blades Outside Air Stream, Add	*21.09*	
23 33 13 16-0103	EA	44" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	188.21	37.34
		For Horizontal, Add	*11.42*	
		For Dynamic Damper, Add	*17.13*	
		For 3 Hour Rated, Add	*15.23*	
		For Damper Blades Outside Air Stream, Add	*22.84*	
23 33 13 16-0104	EA	44" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	208.56	40.18
		For Horizontal, Add	*13.18*	
		For Dynamic Damper, Add	*19.77*	
		For 3 Hour Rated, Add	*17.57*	
		For Damper Blades Outside Air Stream, Add	*26.36*	
23 33 13 16-0105	EA	44" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	227.72	43.11
		For Horizontal, Add	*14.76*	
		For Dynamic Damper, Add	*22.14*	
		For 3 Hour Rated, Add	*19.68*	
		For Damper Blades Outside Air Stream, Add	*29.52*	
23 33 13 16-0106	EA	44" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	248.05	45.95
		For Horizontal, Add	*16.52*	
		For Dynamic Damper, Add	*24.77*	
		For 3 Hour Rated, Add	*22.02*	
		For Damper Blades Outside Air Stream, Add	*33.03*	
23 33 13 16-0107	EA	44" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	262.90	47.33
		For Horizontal, Add	*18.10*	
		For Dynamic Damper, Add	*27.14*	
		For 3 Hour Rated, Add	*24.13*	
		For Damper Blades Outside Air Stream, Add	*36.19*	
23 33 13 16-0108	EA	44" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	277.75	48.80
		For Horizontal, Add	*19.68*	
		For Dynamic Damper, Add	*29.52*	
		For 3 Hour Rated, Add	*26.24*	
		For Damper Blades Outside Air Stream, Add	*39.35*	
23 33 13 16-0109	EA	44" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	292.62	50.27
		For Horizontal, Add	*21.26*	
		For Dynamic Damper, Add	*31.89*	
		For 3 Hour Rated, Add	*28.35*	
		For Damper Blades Outside Air Stream, Add	*42.52*	
23 33 13 16-0110	EA	48" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	118.17	22.94
		For Horizontal, Add	*7.38*	
		For Dynamic Damper, Add	*11.07*	
		For 3 Hour Rated, Add	*9.84*	
		For Damper Blades Outside Air Stream, Add	*14.76*	
23 33 13 16-0111	EA	48" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	127.18	24.40
		For Horizontal, Add	*8.08*	
		For Dynamic Damper, Add	*12.13*	
		For 3 Hour Rated, Add	*10.78*	
		For Damper Blades Outside Air Stream, Add	*16.17*	
23 33 13 16-0112	EA	48" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	132.65	25.86
		For Horizontal, Add	*8.26*	
		For Dynamic Damper, Add	*12.39*	
		For 3 Hour Rated, Add	*11.01*	
		For Damper Blades Outside Air Stream, Add	*16.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0113	EA	48" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	144.79	28.71
		For Horizontal, Add	*8.79*	
		For Dynamic Damper, Add	*13.18*	
		For 3 Hour Rated, Add	*11.71*	
		For Damper Blades Outside Air Stream, Add	*17.57*	
23 33 13 16-0114	EA	48" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	158.09	31.56
		For Horizontal, Add	*9.49*	
		For Dynamic Damper, Add	*14.23*	
		For 3 Hour Rated, Add	*12.65*	
		For Damper Blades Outside Air Stream, Add	*18.98*	
23 33 13 16-0115	EA	48" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	171.41	34.49
		For Horizontal, Add	*10.19*	
		For Dynamic Damper, Add	*15.29*	
		For 3 Hour Rated, Add	*13.59*	
		For Damper Blades Outside Air Stream, Add	*20.38*	
23 33 13 16-0116	EA	48" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	187.05	37.34
		For Horizontal, Add	*11.25*	
		For Dynamic Damper, Add	*16.87*	
		For 3 Hour Rated, Add	*14.99*	
		For Damper Blades Outside Air Stream, Add	*22.49*	
23 33 13 16-0117	EA	48" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	202.70	40.18
		For Horizontal, Add	*12.30*	
		For Dynamic Damper, Add	*18.45*	
		For 3 Hour Rated, Add	*16.40*	
		For Damper Blades Outside Air Stream, Add	*24.60*	
23 33 13 16-0118	EA	48" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	221.86	43.11
		For Horizontal, Add	*13.88*	
		For Dynamic Damper, Add	*20.82*	
		For 3 Hour Rated, Add	*18.51*	
		For Damper Blades Outside Air Stream, Add	*27.76*	
23 33 13 16-0119	EA	48" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	243.36	45.95
		For Horizontal, Add	*15.81*	
		For Dynamic Damper, Add	*23.72*	
		For 3 Hour Rated, Add	*21.08*	
		For Damper Blades Outside Air Stream, Add	*31.62*	
23 33 13 16-0120	EA	48" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	258.23	47.33
		For Horizontal, Add	*17.40*	
		For Dynamic Damper, Add	*26.09*	
		For 3 Hour Rated, Add	*23.19*	
		For Damper Blades Outside Air Stream, Add	*34.79*	
23 33 13 16-0121	EA	48" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	276.58	48.80
		For Horizontal, Add	*19.50*	
		For Dynamic Damper, Add	*29.25*	
		For 3 Hour Rated, Add	*26.00*	
		For Damper Blades Outside Air Stream, Add	*39.00*	
23 33 13 16-0122	EA	48" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	295.76	51.65
		For Horizontal, Add	*21.08*	
		For Dynamic Damper, Add	*31.63*	
		For 3 Hour Rated, Add	*28.11*	
		For Damper Blades Outside Air Stream, Add	*42.17*	
23 33 13 16-0123	EA	48" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	314.12	53.11
		For Horizontal, Add	*23.19*	
		For Dynamic Damper, Add	*34.79*	
		For 3 Hour Rated, Add	*30.92*	
		For Damper Blades Outside Air Stream, Add	*46.39*	
23 33 13 16-0124	EA	48" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	336.42	57.43
		For Horizontal, Add	*24.60*	
		For Dynamic Damper, Add	*36.90*	
		For 3 Hour Rated, Add	*32.80*	
		For Damper Blades Outside Air Stream, Add	*49.19*	
23 33 13 16-0125	EA	52" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	126.00	24.40
		For Horizontal, Add	*7.91*	
		For Dynamic Damper, Add	*11.86*	
		For 3 Hour Rated, Add	*10.54*	
		For Damper Blades Outside Air Stream, Add	*15.81*	
23 33 13 16-0126	EA	52" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	134.99	25.86
		For Horizontal, Add	*8.61*	
		For Dynamic Damper, Add	*12.92*	
		For 3 Hour Rated, Add	*11.48*	
		For Damper Blades Outside Air Stream, Add	*17.22*	
23 33 13 16-0127	EA	52" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	148.30	28.71
		For Horizontal, Add	*9.31*	
		For Dynamic Damper, Add	*13.97*	
		For 3 Hour Rated, Add	*12.42*	
		For Damper Blades Outside Air Stream, Add	*18.62*	
23 33 13 16-0128	EA	52" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	158.09	31.56
		For Horizontal, Add	*9.49*	
		For Dynamic Damper, Add	*14.23*	
		For 3 Hour Rated, Add	*12.65*	
		For Damper Blades Outside Air Stream, Add	*18.98*	
23 33 13 16-0129	EA	52" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	172.00	34.49
		For Horizontal, Add	*10.28*	
		For Dynamic Damper, Add	*15.42*	
		For 3 Hour Rated, Add	*13.71*	
		For Damper Blades Outside Air Stream, Add	*20.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0130	EA	52" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	185.88	37.34
		For Horizontal, Add	*11.07*	
		For Dynamic Damper, Add	*16.61*	
		For 3 Hour Rated, Add	*14.76*	
		For Damper Blades Outside Air Stream, Add	*22.14*	
23 33 13 16-0131	EA	52" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	201.54	40.18
		For Horizontal, Add	*12.12*	
		For Dynamic Damper, Add	*18.19*	
		For 3 Hour Rated, Add	*16.17*	
		For Damper Blades Outside Air Stream, Add	*24.25*	
23 33 13 16-0132	EA	52" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	217.18	43.11
		For Horizontal, Add	*13.18*	
		For Dynamic Damper, Add	*19.77*	
		For 3 Hour Rated, Add	*17.57*	
		For Damper Blades Outside Air Stream, Add	*26.36*	
23 33 13 16-0133	EA	52" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	236.34	45.95
		For Horizontal, Add	*14.76*	
		For Dynamic Damper, Add	*22.14*	
		For 3 Hour Rated, Add	*19.68*	
		For Damper Blades Outside Air Stream, Add	*29.52*	
23 33 13 16-0134	EA	52" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	259.02	48.80
		For Horizontal, Add	*16.87*	
		For Dynamic Damper, Add	*25.30*	
		For 3 Hour Rated, Add	*22.49*	
		For Damper Blades Outside Air Stream, Add	*33.74*	
23 33 13 16-0135	EA	52" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	275.03	50.27
		For Horizontal, Add	*18.62*	
		For Dynamic Damper, Add	*27.93*	
		For 3 Hour Rated, Add	*24.83*	
		For Damper Blades Outside Air Stream, Add	*37.25*	
23 33 13 16-0136	EA	52" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	294.59	51.65
		For Horizontal, Add	*20.91*	
		For Dynamic Damper, Add	*31.36*	
		For 3 Hour Rated, Add	*27.88*	
		For Damper Blades Outside Air Stream, Add	*41.82*	
23 33 13 16-0137	EA	52" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	317.25	54.58
		For Horizontal, Add	*23.01*	
		For Dynamic Damper, Add	*34.52*	
		For 3 Hour Rated, Add	*30.69*	
		For Damper Blades Outside Air Stream, Add	*46.03*	
23 33 13 16-0138	EA	52" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	336.42	57.43
		For Horizontal, Add	*24.60*	
		For Dynamic Damper, Add	*36.90*	
		For 3 Hour Rated, Add	*32.80*	
		For Damper Blades Outside Air Stream, Add	*49.19*	
23 33 13 16-0139	EA	52" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	363.41	61.73
		For Horizontal, Add	*26.71*	
		For Dynamic Damper, Add	*40.06*	
		For 3 Hour Rated, Add	*35.61*	
		For Damper Blades Outside Air Stream, Add	*53.41*	
23 33 13 16-0140	EA	52" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	383.74	64.58
		For Horizontal, Add	*28.46*	
		For Dynamic Damper, Add	*42.69*	
		For 3 Hour Rated, Add	*37.95*	
		For Damper Blades Outside Air Stream, Add	*56.93*	
23 33 13 16-0141	EA	56" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	132.65	25.86
		For Horizontal, Add	*8.26*	
		For Dynamic Damper, Add	*12.39*	
		For 3 Hour Rated, Add	*11.01*	
		For Damper Blades Outside Air Stream, Add	*16.52*	
23 33 13 16-0142	EA	56" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	147.13	28.71
		For Horizontal, Add	*9.14*	
		For Dynamic Damper, Add	*13.70*	
		For 3 Hour Rated, Add	*12.18*	
		For Damper Blades Outside Air Stream, Add	*18.27*	
23 33 13 16-0143	EA	56" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	159.27	31.56
		For Horizontal, Add	*9.66*	
		For Dynamic Damper, Add	*14.50*	
		For 3 Hour Rated, Add	*12.89*	
		For Damper Blades Outside Air Stream, Add	*19.33*	
23 33 13 16-0144	EA	56" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	169.06	34.49
		For Horizontal, Add	*9.84*	
		For Dynamic Damper, Add	*14.76*	
		For 3 Hour Rated, Add	*13.12*	
		For Damper Blades Outside Air Stream, Add	*19.68*	
23 33 13 16-0145	EA	56" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	184.12	37.34
		For Horizontal, Add	*10.81*	
		For Dynamic Damper, Add	*16.21*	
		For 3 Hour Rated, Add	*14.41*	
		For Damper Blades Outside Air Stream, Add	*21.61*	
23 33 13 16-0146	EA	56" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	199.19	40.18
		For Horizontal, Add	*11.77*	
		For Dynamic Damper, Add	*17.66*	
		For 3 Hour Rated, Add	*15.70*	
		For Damper Blades Outside Air Stream, Add	*23.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0147	EA	56" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	214.25	43.11
		For Horizontal, Add	*12.74*	
		For Dynamic Damper, Add	*19.11*	
		For 3 Hour Rated, Add	*16.98*	
		For Damper Blades Outside Air Stream, Add	*25.48*	
23 33 13 16-0148	EA	56" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	229.31	45.95
		For Horizontal, Add	*13.70*	
		For Dynamic Damper, Add	*20.56*	
		For 3 Hour Rated, Add	*18.27*	
		For Damper Blades Outside Air Stream, Add	*27.41*	
23 33 13 16-0149	EA	56" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	251.98	48.80
		For Horizontal, Add	*15.81*	
		For Dynamic Damper, Add	*23.72*	
		For 3 Hour Rated, Add	*21.08*	
		For Damper Blades Outside Air Stream, Add	*31.62*	
23 33 13 16-0150	EA	56" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	270.36	50.27
		For Horizontal, Add	*17.92*	
		For Dynamic Damper, Add	*26.88*	
		For 3 Hour Rated, Add	*23.90*	
		For Damper Blades Outside Air Stream, Add	*35.84*	
23 33 13 16-0151	EA	56" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	287.56	51.65
		For Horizontal, Add	*19.85*	
		For Dynamic Damper, Add	*29.78*	
		For 3 Hour Rated, Add	*26.47*	
		For Damper Blades Outside Air Stream, Add	*39.71*	
23 33 13 16-0152	EA	56" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	312.58	54.58
		For Horizontal, Add	*22.31*	
		For Dynamic Damper, Add	*33.47*	
		For 3 Hour Rated, Add	*29.75*	
		For Damper Blades Outside Air Stream, Add	*44.63*	
23 33 13 16-0153	EA	56" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	335.25	57.43
		For Horizontal, Add	*24.42*	
		For Dynamic Damper, Add	*36.63*	
		For 3 Hour Rated, Add	*32.56*	
		For Damper Blades Outside Air Stream, Add	*48.84*	
23 33 13 16-0154	EA	56" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	359.10	60.26
		For Horizontal, Add	*26.71*	
		For Dynamic Damper, Add	*40.06*	
		For 3 Hour Rated, Add	*35.61*	
		For Damper Blades Outside Air Stream, Add	*53.41*	
23 33 13 16-0155	EA	56" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	379.44	63.20
		For Horizontal, Add	*28.46*	
		For Dynamic Damper, Add	*42.69*	
		For 3 Hour Rated, Add	*37.95*	
		For Damper Blades Outside Air Stream, Add	*56.93*	
23 33 13 16-0156	EA	56" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	403.28	66.04
		For Horizontal, Add	*30.75*	
		For Dynamic Damper, Add	*46.12*	
		For 3 Hour Rated, Add	*41.00*	
		For Damper Blades Outside Air Stream, Add	*61.49*	
23 33 13 16-0157	EA	56" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	427.14	68.89
		For Horizontal, Add	*33.03*	
		For Dynamic Damper, Add	*49.55*	
		For 3 Hour Rated, Add	*44.04*	
		For Damper Blades Outside Air Stream, Add	*66.06*	
23 33 13 16-0158	EA	60" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	144.79	28.71
		For Horizontal, Add	*8.79*	
		For Dynamic Damper, Add	*13.18*	
		For 3 Hour Rated, Add	*11.71*	
		For Damper Blades Outside Air Stream, Add	*17.57*	
23 33 13 16-0159	EA	60" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	159.27	31.56
		For Horizontal, Add	*9.66*	
		For Dynamic Damper, Add	*14.50*	
		For 3 Hour Rated, Add	*12.89*	
		For Damper Blades Outside Air Stream, Add	*19.33*	
23 33 13 16-0160	EA	60" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	170.24	34.49
		For Horizontal, Add	*10.02*	
		For Dynamic Damper, Add	*15.02*	
		For 3 Hour Rated, Add	*13.35*	
		For Damper Blades Outside Air Stream, Add	*20.03*	
23 33 13 16-0161	EA	60" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	180.02	37.34
		For Horizontal, Add	*10.19*	
		For Dynamic Damper, Add	*15.29*	
		For 3 Hour Rated, Add	*13.59*	
		For Damper Blades Outside Air Stream, Add	*20.38*	
23 33 13 16-0162	EA	60" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	195.68	40.18
		For Horizontal, Add	*11.25*	
		For Dynamic Damper, Add	*16.87*	
		For 3 Hour Rated, Add	*14.99*	
		For Damper Blades Outside Air Stream, Add	*22.49*	
23 33 13 16-0163	EA	60" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	211.32	43.11
		For Horizontal, Add	*12.30*	
		For Dynamic Damper, Add	*18.45*	
		For 3 Hour Rated, Add	*16.40*	
		For Damper Blades Outside Air Stream, Add	*24.60*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0164	EA	60" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	227.56	45.95
		For Horizontal, Add	*13.44*	
		For Dynamic Damper, Add	*20.16*	
		For 3 Hour Rated, Add	*17.92*	
		For Damper Blades Outside Air Stream, Add	*26.88*	
23 33 13 16-0165	EA	60" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	243.79	48.80
		For Horizontal, Add	*14.58*	
		For Dynamic Damper, Add	*21.87*	
		For 3 Hour Rated, Add	*19.44*	
		For Damper Blades Outside Air Stream, Add	*29.17*	
23 33 13 16-0166	EA	60" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	263.33	50.27
		For Horizontal, Add	*16.87*	
		For Dynamic Damper, Add	*25.30*	
		For 3 Hour Rated, Add	*22.49*	
		For Damper Blades Outside Air Stream, Add	*33.74*	
23 33 13 16-0167	EA	60" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	281.70	51.65
		For Horizontal, Add	*18.98*	
		For Dynamic Damper, Add	*28.46*	
		For 3 Hour Rated, Add	*25.30*	
		For Damper Blades Outside Air Stream, Add	*37.95*	
23 33 13 16-0168	EA	60" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	305.56	54.58
		For Horizontal, Add	*21.26*	
		For Dynamic Damper, Add	*31.89*	
		For 3 Hour Rated, Add	*28.35*	
		For Damper Blades Outside Air Stream, Add	*42.52*	
23 33 13 16-0169	EA	60" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	329.40	57.43
		For Horizontal, Add	*23.54*	
		For Dynamic Damper, Add	*35.32*	
		For 3 Hour Rated, Add	*31.39*	
		For Damper Blades Outside Air Stream, Add	*47.09*	
23 33 13 16-0170	EA	60" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	349.73	60.26
		For Horizontal, Add	*25.30*	
		For Dynamic Damper, Add	*37.95*	
		For 3 Hour Rated, Add	*33.73*	
		For Damper Blades Outside Air Stream, Add	*50.60*	
23 33 13 16-0171	EA	60" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	377.10	63.20
		For Horizontal, Add	*28.11*	
		For Dynamic Damper, Add	*42.17*	
		For 3 Hour Rated, Add	*37.48*	
		For Damper Blades Outside Air Stream, Add	*56.22*	
23 33 13 16-0172	EA	60" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	402.11	66.04
		For Horizontal, Add	*30.57*	
		For Dynamic Damper, Add	*45.86*	
		For 3 Hour Rated, Add	*40.76*	
		For Damper Blades Outside Air Stream, Add	*61.14*	
23 33 13 16-0173	EA	60" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	427.14	68.89
		For Horizontal, Add	*33.03*	
		For Dynamic Damper, Add	*49.55*	
		For 3 Hour Rated, Add	*44.04*	
		For Damper Blades Outside Air Stream, Add	*66.06*	
23 33 13 16-0174	EA	60" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	449.80	71.82
		For Horizontal, Add	*35.14*	
		For Dynamic Damper, Add	*52.71*	
		For 3 Hour Rated, Add	*46.85*	
		For Damper Blades Outside Air Stream, Add	*70.28*	
23 33 13 16-0175	EA	60" x 60" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	472.50	74.66
		For Horizontal, Add	*37.25*	
		For Dynamic Damper, Add	*55.87*	
		For 3 Hour Rated, Add	*49.66*	
		For Damper Blades Outside Air Stream, Add	*74.50*	

23 33 13 16-0176 Parallel Blade Louver Fire Damper *(23 33 13 16)*

Note: UL listed. Galvanized steel construction with fusible link 160 F spring actuated 1-1/2 hour fire rating.

23 33 13 16-0177	EA	6" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	62.65	9.57
		For Horizontal, Add	*5.09*	
		For Dynamic Damper, Add	*7.64*	
		For 3 Hour Rated, Add	*6.79*	
23 33 13 16-0178	EA	8" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	65.39	10.00
		For Horizontal, Add	*5.31*	
		For Dynamic Damper, Add	*7.96*	
		For 3 Hour Rated, Add	*7.08*	
23 33 13 16-0179	EA	8" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	67.03	10.08
		For Horizontal, Add	*5.53*	
		For Dynamic Damper, Add	*8.29*	
		For 3 Hour Rated, Add	*7.37*	
23 33 13 16-0180	EA	10" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	67.03	10.08
		For Horizontal, Add	*5.53*	
		For Dynamic Damper, Add	*8.29*	
		For 3 Hour Rated, Add	*7.37*	
23 33 13 16-0181	EA	10" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	69.37	10.35
		For Horizontal, Add	*5.75*	
		For Dynamic Damper, Add	*8.62*	
		For 3 Hour Rated, Add	*7.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0182	EA	10" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	75.74	11.46
		For Horizontal, Add	*6.19*	
		For Dynamic Damper, Add	*9.28*	
		For 3 Hour Rated, Add	*8.25*	
23 33 13 16-0183	EA	12" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	69.37	10.35
		For Horizontal, Add	*5.75*	
		For Dynamic Damper, Add	*8.62*	
		For 3 Hour Rated, Add	*7.67*	
23 33 13 16-0184	EA	12" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	74.02	10.95
		For Horizontal, Add	*6.19*	
		For Dynamic Damper, Add	*9.28*	
		For 3 Hour Rated, Add	*8.25*	
23 33 13 16-0185	EA	12" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	77.21	11.46
		For Horizontal, Add	*6.41*	
		For Dynamic Damper, Add	*9.61*	
		For 3 Hour Rated, Add	*8.54*	
23 33 13 16-0186	EA	12" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	82.98	12.93
		For Horizontal, Add	*6.63*	
		For Dynamic Damper, Add	*9.94*	
		For 3 Hour Rated, Add	*8.84*	
23 33 13 16-0187	EA	14" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	73.29	10.95
		For Horizontal, Add	*6.08*	
		For Dynamic Damper, Add	*9.12*	
		For 3 Hour Rated, Add	*8.10*	
23 33 13 16-0188	EA	14" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	77.21	11.46
		For Horizontal, Add	*6.41*	
		For Dynamic Damper, Add	*9.61*	
		For 3 Hour Rated, Add	*8.54*	
23 33 13 16-0189	EA	14" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	80.39	12.07
		For Horizontal, Add	*6.63*	
		For Dynamic Damper, Add	*9.94*	
		For 3 Hour Rated, Add	*8.84*	
23 33 13 16-0190	EA	14" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	84.44	12.93
		For Horizontal, Add	*6.85*	
		For Dynamic Damper, Add	*10.27*	
		For 3 Hour Rated, Add	*9.13*	
23 33 13 16-0191	EA	14" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	92.42	14.40
		For Horizontal, Add	*7.40*	
		For Dynamic Damper, Add	*11.09*	
		For 3 Hour Rated, Add	*9.86*	
23 33 13 16-0192	EA	16" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	94.15	11.46
		For Horizontal, Add	*8.95*	
		For Dynamic Damper, Add	*13.42*	
		For 3 Hour Rated, Add	*11.93*	
23 33 13 16-0193	EA	16" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	98.38	12.33
		For Horizontal, Add	*9.20*	
		For Dynamic Damper, Add	*13.79*	
		For 3 Hour Rated, Add	*12.26*	
23 33 13 16-0194	EA	16" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	103.48	13.54
		For Horizontal, Add	*9.44*	
		For Dynamic Damper, Add	*14.16*	
		For 3 Hour Rated, Add	*12.59*	
23 33 13 16-0195	EA	16" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	107.69	14.40
		For Horizontal, Add	*9.69*	
		For Dynamic Damper, Add	*14.53*	
		For 3 Hour Rated, Add	*12.92*	
23 33 13 16-0196	EA	16" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	116.11	15.78
		For Horizontal, Add	*10.30*	
		For Dynamic Damper, Add	*15.46*	
		For 3 Hour Rated, Add	*13.74*	
23 33 13 16-0197	EA	16" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	124.52	17.24
		For Horizontal, Add	*10.92*	
		For Dynamic Damper, Add	*16.38*	
		For 3 Hour Rated, Add	*14.56*	
23 33 13 16-0198	EA	18" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	97.51	12.07
		For Horizontal, Add	*9.20*	
		For Dynamic Damper, Add	*13.79*	
		For 3 Hour Rated, Add	*12.26*	
23 33 13 16-0199	EA	18" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	102.56	12.93
		For Horizontal, Add	*9.56*	
		For Dynamic Damper, Add	*14.35*	
		For 3 Hour Rated, Add	*12.75*	
23 33 13 16-0200	EA	18" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	109.35	14.40
		For Horizontal, Add	*9.94*	
		For Dynamic Damper, Add	*14.90*	
		For 3 Hour Rated, Add	*13.25*	
23 33 13 16-0201	EA	18" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	117.75	15.78
		For Horizontal, Add	*10.55*	
		For Dynamic Damper, Add	*15.82*	
		For 3 Hour Rated, Add	*14.07*	
23 33 13 16-0202	EA	18" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	125.34	17.24
		For Horizontal, Add	*11.04*	
		For Dynamic Damper, Add	*16.56*	
		For 3 Hour Rated, Add	*14.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0203	EA	18" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	133.76	18.62
		For Horizontal, Add	*11.66*	
		For Dynamic Damper, Add	*17.48*	
		For 3 Hour Rated, Add	*15.54*	
23 33 13 16-0204	EA	18" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	140.52	20.09
		For Horizontal, Add	*12.03*	
		For Dynamic Damper, Add	*18.04*	
		For 3 Hour Rated, Add	*16.03*	
23 33 13 16-0205	EA	20" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	101.75	12.93
		For Horizontal, Add	*9.44*	
		For Dynamic Damper, Add	*14.16*	
		For 3 Hour Rated, Add	*12.59*	
23 33 13 16-0206	EA	20" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	109.33	14.40
		For Horizontal, Add	*9.93*	
		For Dynamic Damper, Add	*14.90*	
		For 3 Hour Rated, Add	*13.24*	
23 33 13 16-0207	EA	20" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	116.93	15.78
		For Horizontal, Add	*10.43*	
		For Dynamic Damper, Add	*15.64*	
		For 3 Hour Rated, Add	*13.90*	
23 33 13 16-0208	EA	20" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	127.81	17.24
		For Horizontal, Add	*11.41*	
		For Dynamic Damper, Add	*17.12*	
		For 3 Hour Rated, Add	*15.22*	
23 33 13 16-0209	EA	20" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	134.59	18.62
		For Horizontal, Add	*11.78*	
		For Dynamic Damper, Add	*17.67*	
		For 3 Hour Rated, Add	*15.71*	
23 33 13 16-0210	EA	20" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	141.34	20.09
		For Horizontal, Add	*12.15*	
		For Dynamic Damper, Add	*18.22*	
		For 3 Hour Rated, Add	*16.20*	
23 33 13 16-0211	EA	20" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	148.93	21.56
		For Horizontal, Add	*12.64*	
		For Dynamic Damper, Add	*18.96*	
		For 3 Hour Rated, Add	*16.85*	
23 33 13 16-0212	EA	20" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	156.52	22.94
		For Horizontal, Add	*13.13*	
		For Dynamic Damper, Add	*19.70*	
		For 3 Hour Rated, Add	*17.51*	
23 33 13 16-0213	EA	24" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	124.41	14.40
		For Horizontal, Add	*12.20*	
		For Dynamic Damper, Add	*18.29*	
		For 3 Hour Rated, Add	*16.26*	
23 33 13 16-0214	EA	24" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	133.65	15.78
		For Horizontal, Add	*12.93*	
		For Dynamic Damper, Add	*19.40*	
		For 3 Hour Rated, Add	*17.25*	
23 33 13 16-0215	EA	24" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	141.25	17.24
		For Horizontal, Add	*13.43*	
		For Dynamic Damper, Add	*20.14*	
		For 3 Hour Rated, Add	*17.90*	
23 33 13 16-0216	EA	24" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	150.47	18.62
		For Horizontal, Add	*14.16*	
		For Dynamic Damper, Add	*21.24*	
		For 3 Hour Rated, Add	*18.88*	
23 33 13 16-0217	EA	24" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	157.24	20.09
		For Horizontal, Add	*14.53*	
		For Dynamic Damper, Add	*21.80*	
		For 3 Hour Rated, Add	*19.38*	
23 33 13 16-0218	EA	24" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	164.00	21.56
		For Horizontal, Add	*14.90*	
		For Dynamic Damper, Add	*22.35*	
		For 3 Hour Rated, Add	*19.87*	
23 33 13 16-0219	EA	24" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	173.24	22.94
		For Horizontal, Add	*15.64*	
		For Dynamic Damper, Add	*23.46*	
		For 3 Hour Rated, Add	*20.85*	
23 33 13 16-0220	EA	24" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	186.77	25.86
		For Horizontal, Add	*16.38*	
		For Dynamic Damper, Add	*24.57*	
		For 3 Hour Rated, Add	*21.84*	
23 33 13 16-0221	EA	24" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	201.96	28.71
		For Horizontal, Add	*17.36*	
		For Dynamic Damper, Add	*26.04*	
		For 3 Hour Rated, Add	*23.15*	
23 33 13 16-0222	EA	28" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	133.65	15.78
		For Horizontal, Add	*12.93*	
		For Dynamic Damper, Add	*19.40*	
		For 3 Hour Rated, Add	*17.25*	
23 33 13 16-0223	EA	28" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	141.25	17.24
		For Horizontal, Add	*13.43*	
		For Dynamic Damper, Add	*20.14*	
		For 3 Hour Rated, Add	*17.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0224	EA	28" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	150.47	18.62
		For Horizontal, Add	*14.16*	
		For Dynamic Damper, Add	*21.24*	
		For 3 Hour Rated, Add	*18.88*	
23 33 13 16-0225	EA	28" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	158.05	20.09
		For Horizontal, Add	*14.66*	
		For Dynamic Damper, Add	*21.98*	
		For 3 Hour Rated, Add	*19.54*	
23 33 13 16-0226	EA	28" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	166.47	21.56
		For Horizontal, Add	*15.27*	
		For Dynamic Damper, Add	*22.91*	
		For 3 Hour Rated, Add	*20.36*	
23 33 13 16-0227	EA	28" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	174.87	22.94
		For Horizontal, Add	*15.88*	
		For Dynamic Damper, Add	*23.83*	
		For 3 Hour Rated, Add	*21.18*	
23 33 13 16-0228	EA	28" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	188.41	25.86
		For Horizontal, Add	*16.62*	
		For Dynamic Damper, Add	*24.93*	
		For 3 Hour Rated, Add	*22.16*	
23 33 13 16-0229	EA	28" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	201.96	28.71
		For Horizontal, Add	*17.36*	
		For Dynamic Damper, Add	*26.04*	
		For 3 Hour Rated, Add	*23.15*	
23 33 13 16-0230	EA	28" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	216.11	30.17
		For Horizontal, Add	*18.84*	
		For Dynamic Damper, Add	*28.26*	
		For 3 Hour Rated, Add	*25.12*	
23 33 13 16-0231	EA	28" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	232.93	33.02
		For Horizontal, Add	*20.07*	
		For Dynamic Damper, Add	*30.10*	
		For 3 Hour Rated, Add	*26.76*	
23 33 13 16-0232	EA	32" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	146.15	17.24
		For Horizontal, Add	*14.16*	
		For Dynamic Damper, Add	*21.24*	
		For 3 Hour Rated, Add	*18.88*	
23 33 13 16-0233	EA	32" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	152.10	18.62
		For Horizontal, Add	*14.41*	
		For Dynamic Damper, Add	*21.61*	
		For 3 Hour Rated, Add	*19.21*	
23 33 13 16-0234	EA	32" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	158.05	20.09
		For Horizontal, Add	*14.66*	
		For Dynamic Damper, Add	*21.98*	
		For 3 Hour Rated, Add	*19.54*	
23 33 13 16-0235	EA	32" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	165.63	21.56
		For Horizontal, Add	*15.15*	
		For Dynamic Damper, Add	*22.72*	
		For 3 Hour Rated, Add	*20.19*	
23 33 13 16-0236	EA	32" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	175.18	22.94
		For Horizontal, Add	*15.93*	
		For Dynamic Damper, Add	*23.90*	
		For 3 Hour Rated, Add	*21.24*	
23 33 13 16-0237	EA	32" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	188.41	25.86
		For Horizontal, Add	*16.62*	
		For Dynamic Damper, Add	*24.93*	
		For 3 Hour Rated, Add	*22.16*	
23 33 13 16-0238	EA	32" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	203.61	28.71
		For Horizontal, Add	*17.61*	
		For Dynamic Damper, Add	*26.41*	
		For 3 Hour Rated, Add	*23.48*	
23 33 13 16-0239	EA	32" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	218.79	31.56
		For Horizontal, Add	*18.59*	
		For Dynamic Damper, Add	*27.89*	
		For 3 Hour Rated, Add	*24.79*	
23 33 13 16-0240	EA	32" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	232.93	33.02
		For Horizontal, Add	*20.07*	
		For Dynamic Damper, Add	*30.10*	
		For 3 Hour Rated, Add	*26.76*	
23 33 13 16-0241	EA	32" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	251.31	35.35
		For Horizontal, Add	*21.79*	
		For Dynamic Damper, Add	*32.68*	
		For 3 Hour Rated, Add	*29.05*	
23 33 13 16-0242	EA	32" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	270.46	37.34
		For Horizontal, Add	*23.76*	
		For Dynamic Damper, Add	*35.64*	
		For 3 Hour Rated, Add	*31.68*	
23 33 13 16-0243	EA	36" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	163.83	18.62
		For Horizontal, Add	*16.17*	
		For Dynamic Damper, Add	*24.25*	
		For 3 Hour Rated, Add	*21.56*	
23 33 13 16-0244	EA	36" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	171.86	20.09
		For Horizontal, Add	*16.73*	
		For Dynamic Damper, Add	*25.09*	
		For 3 Hour Rated, Add	*22.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0245	EA	36" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	179.92	21.56
		For Horizontal, Add	*17.29*	
		For Dynamic Damper, Add	*25.93*	
		For 3 Hour Rated, Add	*23.05*	
23 33 13 16-0246	EA	36" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	189.87	22.94
		For Horizontal, Add	*18.13*	
		For Dynamic Damper, Add	*27.20*	
		For 3 Hour Rated, Add	*24.18*	
23 33 13 16-0247	EA	36" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	201.30	25.86
		For Horizontal, Add	*18.56*	
		For Dynamic Damper, Add	*27.83*	
		For 3 Hour Rated, Add	*24.74*	
23 33 13 16-0248	EA	36" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	208.44	27.24
		For Horizontal, Add	*18.98*	
		For Dynamic Damper, Add	*28.47*	
		For 3 Hour Rated, Add	*25.31*	
23 33 13 16-0249	EA	36" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	230.74	31.56
		For Horizontal, Add	*20.39*	
		For Dynamic Damper, Add	*30.58*	
		For 3 Hour Rated, Add	*27.18*	
23 33 13 16-0250	EA	36" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	248.73	34.49
		For Horizontal, Add	*21.79*	
		For Dynamic Damper, Add	*32.68*	
		For 3 Hour Rated, Add	*29.05*	
23 33 13 16-0251	EA	36" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	263.42	35.61
		For Horizontal, Add	*23.48*	
		For Dynamic Damper, Add	*35.21*	
		For 3 Hour Rated, Add	*31.30*	
23 33 13 16-0252	EA	36" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	286.16	38.19
		For Horizontal, Add	*25.72*	
		For Dynamic Damper, Add	*38.59*	
		For 3 Hour Rated, Add	*34.30*	
23 33 13 16-0253	EA	36" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	305.31	40.18
		For Horizontal, Add	*27.69*	
		For Dynamic Damper, Add	*41.54*	
		For 3 Hour Rated, Add	*36.92*	
23 33 13 16-0254	EA	36" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	324.62	41.64
		For Horizontal, Add	*29.94*	
		For Dynamic Damper, Add	*44.91*	
		For 3 Hour Rated, Add	*39.92*	
23 33 13 16-0255	EA	40" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	183.43	21.56
		For Horizontal, Add	*18.46*	
		For Dynamic Damper, Add	*27.69*	
		For 3 Hour Rated, Add	*24.62*	
23 33 13 16-0256	EA	40" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	195.24	22.94
		For Horizontal, Add	*19.59*	
		For Dynamic Damper, Add	*29.38*	
		For 3 Hour Rated, Add	*26.12*	
23 33 13 16-0257	EA	40" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	201.43	24.40
		For Horizontal, Add	*19.87*	
		For Dynamic Damper, Add	*29.80*	
		For 3 Hour Rated, Add	*26.49*	
23 33 13 16-0258	EA	40" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	207.62	25.86
		For Horizontal, Add	*20.15*	
		For Dynamic Damper, Add	*30.22*	
		For 3 Hour Rated, Add	*26.87*	
23 33 13 16-0259	EA	40" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	222.80	27.24
		For Horizontal, Add	*21.13*	
		For Dynamic Damper, Add	*31.70*	
		For 3 Hour Rated, Add	*28.18*	
23 33 13 16-0260	EA	40" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	233.67	28.71
		For Horizontal, Add	*22.12*	
		For Dynamic Damper, Add	*33.18*	
		For 3 Hour Rated, Add	*29.49*	
23 33 13 16-0261	EA	40" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	254.10	33.02
		For Horizontal, Add	*23.24*	
		For Dynamic Damper, Add	*34.86*	
		For 3 Hour Rated, Add	*30.99*	
23 33 13 16-0262	EA	40" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	270.22	35.87
		For Horizontal, Add	*24.37*	
		For Dynamic Damper, Add	*36.55*	
		For 3 Hour Rated, Add	*32.49*	
23 33 13 16-0263	EA	40" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	288.36	38.19
		For Horizontal, Add	*26.05*	
		For Dynamic Damper, Add	*39.08*	
		For 3 Hour Rated, Add	*34.74*	
23 33 13 16-0264	EA	40" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	315.01	40.18
		For Horizontal, Add	*29.15*	
		For Dynamic Damper, Add	*43.72*	
		For 3 Hour Rated, Add	*38.86*	
23 33 13 16-0265	EA	40" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	333.14	42.51
		For Horizontal, Add	*30.83*	
		For Dynamic Damper, Add	*46.25*	
		For 3 Hour Rated, Add	*41.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0266	EA	40" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	357.21	43.63
		For Horizontal, Add	*33.92*	
		For Dynamic Damper, Add	*50.89*	
		For 3 Hour Rated, Add	*45.23*	
23 33 13 16-0267	EA	40" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	382.85	45.95
		For Horizontal, Add	*36.74*	
		For Dynamic Damper, Add	*55.10*	
		For 3 Hour Rated, Add	*48.98*	
23 33 13 16-0268	EA	44" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	191.49	21.56
		For Horizontal, Add	*19.02*	
		For Dynamic Damper, Add	*28.54*	
		For 3 Hour Rated, Add	*25.37*	
23 33 13 16-0269	EA	44" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	203.31	22.94
		For Horizontal, Add	*20.15*	
		For Dynamic Damper, Add	*30.22*	
		For 3 Hour Rated, Add	*26.87*	
23 33 13 16-0270	EA	44" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	213.25	24.40
		For Horizontal, Add	*20.99*	
		For Dynamic Damper, Add	*31.49*	
		For 3 Hour Rated, Add	*27.99*	
23 33 13 16-0271	EA	44" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	219.42	25.86
		For Horizontal, Add	*21.27*	
		For Dynamic Damper, Add	*31.91*	
		For 3 Hour Rated, Add	*28.37*	
23 33 13 16-0272	EA	44" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	231.24	27.24
		For Horizontal, Add	*22.40*	
		For Dynamic Damper, Add	*33.60*	
		For 3 Hour Rated, Add	*29.87*	
23 33 13 16-0273	EA	44" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	243.05	28.71
		For Horizontal, Add	*23.52*	
		For Dynamic Damper, Add	*35.29*	
		For 3 Hour Rated, Add	*31.37*	
23 33 13 16-0274	EA	44" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	269.67	34.49
		For Horizontal, Add	*24.93*	
		For Dynamic Damper, Add	*37.40*	
		For 3 Hour Rated, Add	*33.24*	
23 33 13 16-0275	EA	44" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	287.64	37.34
		For Horizontal, Add	*26.33*	
		For Dynamic Damper, Add	*39.50*	
		For 3 Hour Rated, Add	*35.11*	
23 33 13 16-0276	EA	44" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	315.01	40.18
		For Horizontal, Add	*29.15*	
		For Dynamic Damper, Add	*43.72*	
		For 3 Hour Rated, Add	*38.86*	
23 33 13 16-0277	EA	44" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	340.50	43.11
		For Horizontal, Add	*31.68*	
		For Dynamic Damper, Add	*47.51*	
		For 3 Hour Rated, Add	*42.23*	
23 33 13 16-0278	EA	44" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	367.85	45.95
		For Horizontal, Add	*34.49*	
		For Dynamic Damper, Add	*51.73*	
		For 3 Hour Rated, Add	*45.98*	
23 33 13 16-0279	EA	44" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	389.03	47.33
		For Horizontal, Add	*37.02*	
		For Dynamic Damper, Add	*55.52*	
		For 3 Hour Rated, Add	*49.35*	
23 33 13 16-0280	EA	44" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	410.21	48.80
		For Horizontal, Add	*39.55*	
		For Dynamic Damper, Add	*59.32*	
		For 3 Hour Rated, Add	*52.73*	
23 33 13 16-0281	EA	44" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	431.40	50.27
		For Horizontal, Add	*42.08*	
		For Dynamic Damper, Add	*63.12*	
		For 3 Hour Rated, Add	*56.10*	
23 33 13 16-0282	EA	48" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	201.43	22.94
		For Horizontal, Add	*19.87*	
		For Dynamic Damper, Add	*29.80*	
		For 3 Hour Rated, Add	*26.49*	
23 33 13 16-0283	EA	48" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	213.25	24.40
		For Horizontal, Add	*20.99*	
		For Dynamic Damper, Add	*31.49*	
		For 3 Hour Rated, Add	*27.99*	
23 33 13 16-0284	EA	48" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	219.42	25.86
		For Horizontal, Add	*21.27*	
		For Dynamic Damper, Add	*31.91*	
		For 3 Hour Rated, Add	*28.37*	
23 33 13 16-0285	EA	48" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	233.67	28.71
		For Horizontal, Add	*22.12*	
		For Dynamic Damper, Add	*33.18*	
		For 3 Hour Rated, Add	*29.49*	
23 33 13 16-0286	EA	48" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	249.79	31.56
		For Horizontal, Add	*23.24*	
		For Dynamic Damper, Add	*34.86*	
		For 3 Hour Rated, Add	*30.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0287	EA	48" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	265.91	34.49
		For Horizontal, Add	*24.37*	
		For Dynamic Damper, Add	*36.55*	
		For 3 Hour Rated, Add	*32.49*	
23 33 13 16-0288	EA	48" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	285.77	37.34
		For Horizontal, Add	*26.05*	
		For Dynamic Damper, Add	*39.08*	
		For 3 Hour Rated, Add	*34.74*	
23 33 13 16-0289	EA	48" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	305.64	40.18
		For Horizontal, Add	*27.74*	
		For Dynamic Damper, Add	*41.61*	
		For 3 Hour Rated, Add	*36.99*	
23 33 13 16-0290	EA	48" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	331.13	43.11
		For Horizontal, Add	*30.27*	
		For Dynamic Damper, Add	*45.41*	
		For 3 Hour Rated, Add	*40.36*	
23 33 13 16-0291	EA	48" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	360.35	45.95
		For Horizontal, Add	*33.36*	
		For Dynamic Damper, Add	*50.04*	
		For 3 Hour Rated, Add	*44.48*	
23 33 13 16-0292	EA	48" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	381.55	47.33
		For Horizontal, Add	*35.89*	
		For Dynamic Damper, Add	*53.84*	
		For 3 Hour Rated, Add	*47.86*	
23 33 13 16-0293	EA	48" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	408.33	48.80
		For Horizontal, Add	*39.26*	
		For Dynamic Damper, Add	*58.90*	
		For 3 Hour Rated, Add	*52.35*	
23 33 13 16-0294	EA	48" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	433.84	51.65
		For Horizontal, Add	*41.80*	
		For Dynamic Damper, Add	*62.69*	
		For 3 Hour Rated, Add	*55.73*	
23 33 13 16-0295	EA	48" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	460.63	53.11
		For Horizontal, Add	*45.17*	
		For Dynamic Damper, Add	*67.75*	
		For 3 Hour Rated, Add	*60.23*	
23 33 13 16-0296	EA	48" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	488.56	57.43
		For Horizontal, Add	*47.42*	
		For Dynamic Damper, Add	*71.13*	
		For 3 Hour Rated, Add	*63.22*	
23 33 13 16-0297	EA	52" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	211.37	24.40
		For Horizontal, Add	*20.71*	
		For Dynamic Damper, Add	*31.07*	
		For 3 Hour Rated, Add	*27.62*	
23 33 13 16-0298	EA	52" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	223.17	25.86
		For Horizontal, Add	*21.84*	
		For Dynamic Damper, Add	*32.76*	
		For 3 Hour Rated, Add	*29.12*	
23 33 13 16-0299	EA	52" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	239.30	28.71
		For Horizontal, Add	*22.96*	
		For Dynamic Damper, Add	*34.44*	
		For 3 Hour Rated, Add	*30.62*	
23 33 13 16-0300	EA	52" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	249.79	31.56
		For Horizontal, Add	*23.24*	
		For Dynamic Damper, Add	*34.86*	
		For 3 Hour Rated, Add	*30.99*	
23 33 13 16-0301	EA	52" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	266.86	34.49
		For Horizontal, Add	*24.51*	
		For Dynamic Damper, Add	*36.76*	
		For 3 Hour Rated, Add	*32.68*	
23 33 13 16-0302	EA	52" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	283.89	37.34
		For Horizontal, Add	*25.77*	
		For Dynamic Damper, Add	*38.66*	
		For 3 Hour Rated, Add	*34.36*	
23 33 13 16-0303	EA	52" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	303.77	40.18
		For Horizontal, Add	*27.46*	
		For Dynamic Damper, Add	*41.19*	
		For 3 Hour Rated, Add	*36.61*	
23 33 13 16-0304	EA	52" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	323.63	43.11
		For Horizontal, Add	*29.15*	
		For Dynamic Damper, Add	*43.72*	
		For 3 Hour Rated, Add	*38.86*	
23 33 13 16-0305	EA	52" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	349.12	45.95
		For Horizontal, Add	*31.68*	
		For Dynamic Damper, Add	*47.51*	
		For 3 Hour Rated, Add	*42.23*	
23 33 13 16-0306	EA	52" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	380.22	48.80
		For Horizontal, Add	*35.05*	
		For Dynamic Damper, Add	*52.57*	
		For 3 Hour Rated, Add	*46.73*	
23 33 13 16-0307	EA	52" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	403.27	50.27
		For Horizontal, Add	*37.86*	
		For Dynamic Damper, Add	*56.79*	
		For 3 Hour Rated, Add	*50.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0308	EA	52" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	431.96	51.65
		For Horizontal, Add	*41.51*	
		For Dynamic Damper, Add	*62.27*	
		For 3 Hour Rated, Add	*55.35*	
23 33 13 16-0309	EA	52" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	463.06	54.58
		For Horizontal, Add	*44.89*	
		For Dynamic Damper, Add	*67.33*	
		For 3 Hour Rated, Add	*59.85*	
23 33 13 16-0310	EA	52" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	488.56	57.43
		For Horizontal, Add	*47.42*	
		For Dynamic Damper, Add	*71.13*	
		For 3 Hour Rated, Add	*63.22*	
23 33 13 16-0311	EA	52" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	523.97	61.73
		For Horizontal, Add	*50.79*	
		For Dynamic Damper, Add	*76.19*	
		For 3 Hour Rated, Add	*67.72*	
23 33 13 16-0312	EA	52" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	551.34	64.58
		For Horizontal, Add	*53.60*	
		For Dynamic Damper, Add	*80.40*	
		For 3 Hour Rated, Add	*71.47*	
23 33 13 16-0313	EA	56" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	219.42	25.86
		For Horizontal, Add	*21.27*	
		For Dynamic Damper, Add	*31.91*	
		For 3 Hour Rated, Add	*28.37*	
23 33 13 16-0314	EA	56" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	237.41	28.71
		For Horizontal, Add	*22.68*	
		For Dynamic Damper, Add	*34.02*	
		For 3 Hour Rated, Add	*30.24*	
23 33 13 16-0315	EA	56" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	251.67	31.56
		For Horizontal, Add	*23.52*	
		For Dynamic Damper, Add	*35.29*	
		For 3 Hour Rated, Add	*31.37*	
23 33 13 16-0316	EA	56" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	262.16	34.49
		For Horizontal, Add	*23.80*	
		For Dynamic Damper, Add	*35.71*	
		For 3 Hour Rated, Add	*31.74*	
23 33 13 16-0317	EA	56" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	281.09	37.34
		For Horizontal, Add	*25.35*	
		For Dynamic Damper, Add	*38.03*	
		For 3 Hour Rated, Add	*33.80*	
23 33 13 16-0318	EA	56" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	300.02	40.18
		For Horizontal, Add	*26.90*	
		For Dynamic Damper, Add	*40.34*	
		For 3 Hour Rated, Add	*35.86*	
23 33 13 16-0319	EA	56" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	318.95	43.11
		For Horizontal, Add	*28.44*	
		For Dynamic Damper, Add	*42.66*	
		For 3 Hour Rated, Add	*37.92*	
23 33 13 16-0320	EA	56" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	337.87	45.95
		For Horizontal, Add	*29.99*	
		For Dynamic Damper, Add	*44.98*	
		For 3 Hour Rated, Add	*39.98*	
23 33 13 16-0321	EA	56" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	368.97	48.80
		For Horizontal, Add	*33.36*	
		For Dynamic Damper, Add	*50.04*	
		For 3 Hour Rated, Add	*44.48*	
23 33 13 16-0322	EA	56" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	395.78	50.27
		For Horizontal, Add	*36.74*	
		For Dynamic Damper, Add	*55.10*	
		For 3 Hour Rated, Add	*48.98*	
23 33 13 16-0323	EA	56" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	420.71	51.65
		For Horizontal, Add	*39.83*	
		For Dynamic Damper, Add	*59.74*	
		For 3 Hour Rated, Add	*53.10*	
23 33 13 16-0324	EA	56" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	455.58	54.58
		For Horizontal, Add	*43.76*	
		For Dynamic Damper, Add	*65.65*	
		For 3 Hour Rated, Add	*58.35*	
23 33 13 16-0325	EA	56" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	486.68	57.43
		For Horizontal, Add	*47.14*	
		For Dynamic Damper, Add	*70.70*	
		For 3 Hour Rated, Add	*62.85*	
23 33 13 16-0326	EA	56" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	519.66	60.26
		For Horizontal, Add	*50.79*	
		For Dynamic Damper, Add	*76.19*	
		For 3 Hour Rated, Add	*67.72*	
23 33 13 16-0327	EA	56" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	547.04	63.20
		For Horizontal, Add	*53.60*	
		For Dynamic Damper, Add	*80.40*	
		For 3 Hour Rated, Add	*71.47*	
23 33 13 16-0328	EA	56" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	580.01	66.04
		For Horizontal, Add	*57.26*	
		For Dynamic Damper, Add	*85.88*	
		For 3 Hour Rated, Add	*76.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0329	EA	56" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	613.00	68.89
		For Horizontal, Add	*60.91*	
		For Dynamic Damper, Add	*91.37*	
		For 3 Hour Rated, Add	*81.21*	
23 33 13 16-0330	EA	60" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	233.67	28.71
		For Horizontal, Add	*22.12*	
		For Dynamic Damper, Add	*33.18*	
		For 3 Hour Rated, Add	*29.49*	
23 33 13 16-0331	EA	60" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	251.67	31.56
		For Horizontal, Add	*23.52*	
		For Dynamic Damper, Add	*35.29*	
		For 3 Hour Rated, Add	*31.37*	
23 33 13 16-0332	EA	60" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	264.03	34.49
		For Horizontal, Add	*24.08*	
		For Dynamic Damper, Add	*36.13*	
		For 3 Hour Rated, Add	*32.11*	
23 33 13 16-0333	EA	60" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	274.52	37.34
		For Horizontal, Add	*24.37*	
		For Dynamic Damper, Add	*36.55*	
		For 3 Hour Rated, Add	*32.49*	
23 33 13 16-0334	EA	60" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	294.40	40.18
		For Horizontal, Add	*26.05*	
		For Dynamic Damper, Add	*39.08*	
		For 3 Hour Rated, Add	*34.74*	
23 33 13 16-0335	EA	60" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	314.26	43.11
		For Horizontal, Add	*27.74*	
		For Dynamic Damper, Add	*41.61*	
		For 3 Hour Rated, Add	*36.99*	
23 33 13 16-0336	EA	60" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	335.06	45.95
		For Horizontal, Add	*29.57*	
		For Dynamic Damper, Add	*44.35*	
		For 3 Hour Rated, Add	*39.42*	
23 33 13 16-0337	EA	60" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	355.86	48.80
		For Horizontal, Add	*31.39*	
		For Dynamic Damper, Add	*47.09*	
		For 3 Hour Rated, Add	*41.86*	
23 33 13 16-0338	EA	60" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	384.53	50.27
		For Horizontal, Add	*35.05*	
		For Dynamic Damper, Add	*52.57*	
		For 3 Hour Rated, Add	*46.73*	
23 33 13 16-0339	EA	60" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	411.34	51.65
		For Horizontal, Add	*38.42*	
		For Dynamic Damper, Add	*57.63*	
		For 3 Hour Rated, Add	*51.23*	
23 33 13 16-0340	EA	60" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	444.34	54.58
		For Horizontal, Add	*42.08*	
		For Dynamic Damper, Add	*63.12*	
		For 3 Hour Rated, Add	*56.10*	
23 33 13 16-0341	EA	60" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	477.32	57.43
		For Horizontal, Add	*45.73*	
		For Dynamic Damper, Add	*68.60*	
		For 3 Hour Rated, Add	*60.98*	
23 33 13 16-0342	EA	60" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	504.68	60.26
		For Horizontal, Add	*48.54*	
		For Dynamic Damper, Add	*72.81*	
		For 3 Hour Rated, Add	*64.72*	
23 33 13 16-0343	EA	60" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	543.29	63.20
		For Horizontal, Add	*53.04*	
		For Dynamic Damper, Add	*79.56*	
		For 3 Hour Rated, Add	*70.72*	
23 33 13 16-0344	EA	60" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	578.13	66.04
		For Horizontal, Add	*56.97*	
		For Dynamic Damper, Add	*85.46*	
		For 3 Hour Rated, Add	*75.97*	
23 33 13 16-0345	EA	60" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	613.00	68.89
		For Horizontal, Add	*60.91*	
		For Dynamic Damper, Add	*91.37*	
		For 3 Hour Rated, Add	*81.21*	
23 33 13 16-0346	EA	60" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	644.10	71.82
		For Horizontal, Add	*64.28*	
		For Dynamic Damper, Add	*96.42*	
		For 3 Hour Rated, Add	*85.71*	
23 33 13 16-0347	EA	60" x 60" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	675.24	74.66
		For Horizontal, Add	*67.66*	
		For Dynamic Damper, Add	*101.49*	
		For 3 Hour Rated, Add	*90.21*	

23 33 13 16-0348 Round 2 Hour Fire Damper *(23 33 13 16)*

23 33 13 16-0349	EA	4" Round 2 Hour Fire Damper	50.44	17.24
23 33 13 16-0350	EA	5" Round 2 Hour Fire Damper	51.58	17.24
23 33 13 16-0351	EA	6" Round 2 Hour Fire Damper	59.71	19.57
23 33 13 16-0352	EA	7" Round 2 Hour Fire Damper	60.95	19.57
23 33 13 16-0353	EA	8" Round 2 Hour Fire Damper	70.46	21.56
23 33 13 16-0354	EA	9" Round 2 Hour Fire Damper	73.88	21.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0355	EA	10" Round 2 Hour Fire Damper	82.10	23.97
23 33 13 16-0356	EA	12" Round 2 Hour Fire Damper	92.27	26.99
23 33 13 16-0357	EA	14" Round 2 Hour Fire Damper	105.10	30.78

23 33 13 16-0358 Round 4 Hour Fire Damper *(23 33 13 16)*

23 33 13 16-0359	EA	4" Round 4 Hour Fire Damper	57.06	19.57
23 33 13 16-0360	EA	5" Round 4 Hour Fire Damper	60.17	19.57
23 33 13 16-0361	EA	6" Round 4 Hour Fire Damper	67.24	21.56
23 33 13 16-0362	EA	7" Round 4 Hour Fire Damper	71.26	21.56
23 33 13 16-0363	EA	8" Round 4 Hour Fire Damper	80.07	23.97
23 33 13 16-0364	EA	9" Round 4 Hour Fire Damper	82.52	23.97
23 33 13 16-0365	EA	10" Round 4 Hour Fire Damper	92.34	26.99
23 33 13 16-0366	EA	12" Round 4 Hour Fire Damper	103.55	30.78
23 33 13 16-0367	EA	14" Round 4 Hour Fire Damper	120.81	35.95

23 33 13 19 Smoke-Control Dampers *(23 33 13)*

23 33 13 19-0001 Combination Smoke/Fire Damper *(23 33 13 19)*

Note: Leakage class I with Firestat UL 555S air foil blades.

23 33 13 19-0002	EA	6" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	97.75	14.35
		For 3 Hour Rated, Add	*10.94*	
23 33 13 19-0003	EA	8" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	101.04	15.01
		For 3 Hour Rated, Add	*11.21*	
23 33 13 19-0004	EA	8" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	102.65	15.14
		For 3 Hour Rated, Add	*11.48*	
23 33 13 19-0005	EA	10" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	102.65	15.14
		For 3 Hour Rated, Add	*11.48*	
23 33 13 19-0006	EA	10" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	105.28	15.52
		For 3 Hour Rated, Add	*11.74*	
23 33 13 19-0007	EA	10" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	113.15	17.20
		For 3 Hour Rated, Add	*12.28*	
23 33 13 19-0008	EA	12" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	105.28	15.52
		For 3 Hour Rated, Add	*11.74*	
23 33 13 19-0009	EA	12" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	110.56	16.42
		For 3 Hour Rated, Add	*12.28*	
23 33 13 19-0010	EA	12" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	114.49	17.20
		For 3 Hour Rated, Add	*12.55*	
23 33 13 19-0011	EA	12" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	122.31	19.40
		For 3 Hour Rated, Add	*12.82*	
23 33 13 19-0012	EA	14" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	109.89	16.42
		For 3 Hour Rated, Add	*12.15*	
23 33 13 19-0013	EA	14" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	114.49	17.20
		For 3 Hour Rated, Add	*12.55*	
23 33 13 19-0014	EA	14" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	118.43	18.11
		For 3 Hour Rated, Add	*12.82*	
23 33 13 19-0015	EA	14" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	123.67	19.40
		For 3 Hour Rated, Add	*13.09*	
23 33 13 19-0016	EA	14" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	133.49	21.60
		For 3 Hour Rated, Add	*13.77*	
23 33 13 19-0017	EA	16" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	163.76	17.20
		For 3 Hour Rated, Add	*22.41*	
23 33 13 19-0018	EA	16" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	168.99	18.50
		For 3 Hour Rated, Add	*22.68*	
23 33 13 19-0019	EA	16" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	175.52	20.31
		For 3 Hour Rated, Add	*22.95*	
23 33 13 19-0020	EA	16" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	180.72	21.60
		For 3 Hour Rated, Add	*23.21*	
23 33 13 19-0021	EA	16" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	190.57	23.67
		For 3 Hour Rated, Add	*23.89*	
23 33 13 19-0022	EA	16" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	200.40	25.86
		For 3 Hour Rated, Add	*24.56*	
23 33 13 19-0023	EA	18" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	167.70	18.11
		For 3 Hour Rated, Add	*22.68*	
23 33 13 19-0024	EA	18" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	173.59	19.40
		For 3 Hour Rated, Add	*23.08*	
23 33 13 19-0025	EA	18" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	182.09	21.60
		For 3 Hour Rated, Add	*23.49*	
23 33 13 19-0026	EA	18" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	191.92	23.67
		For 3 Hour Rated, Add	*24.16*	
23 33 13 19-0027	EA	18" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	201.07	25.86
		For 3 Hour Rated, Add	*24.70*	
23 33 13 19-0028	EA	18" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	210.91	27.94
		For 3 Hour Rated, Add	*25.37*	
23 33 13 19-0029	EA	18" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	219.40	30.13
		For 3 Hour Rated, Add	*25.77*	
23 33 13 19-0030	EA	20" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	172.93	19.40
		For 3 Hour Rated, Add	*22.95*	
23 33 13 19-0031	EA	20" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	182.08	21.60
		For 3 Hour Rated, Add	*23.48*	
23 33 13 19-0032	EA	20" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	191.24	23.67
		For 3 Hour Rated, Add	*24.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0033	EA	20" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	203.10	25.86
		For 3 Hour Rated, Add	*25.10*	
23 33 13 19-0034	EA	20" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	211.59	27.94
		For 3 Hour Rated, Add	*25.51*	
23 33 13 19-0035	EA	20" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	220.08	30.13
		For 3 Hour Rated, Add	*25.91*	
23 33 13 19-0036	EA	20" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	229.24	32.34
		For 3 Hour Rated, Add	*26.45*	
23 33 13 19-0037	EA	20" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	238.40	34.40
		For 3 Hour Rated, Add	*26.99*	
23 33 13 19-0038	EA	24" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	237.16	21.60
		For 3 Hour Rated, Add	*34.50*	
23 33 13 19-0039	EA	24" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	247.68	23.67
		For 3 Hour Rated, Add	*35.31*	
23 33 13 19-0040	EA	24" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	256.85	25.86
		For 3 Hour Rated, Add	*35.85*	
23 33 13 19-0041	EA	24" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	267.35	27.94
		For 3 Hour Rated, Add	*36.66*	
23 33 13 19-0042	EA	24" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	275.84	30.13
		For 3 Hour Rated, Add	*37.06*	
23 33 13 19-0043	EA	24" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	284.33	32.34
		For 3 Hour Rated, Add	*37.47*	
23 33 13 19-0044	EA	24" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	294.84	34.40
		For 3 Hour Rated, Add	*38.27*	
23 33 13 19-0045	EA	24" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	311.81	38.80
		For 3 Hour Rated, Add	*39.08*	
23 33 13 19-0046	EA	24" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	330.13	43.06
		For 3 Hour Rated, Add	*40.16*	
23 33 13 19-0047	EA	28" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	247.68	23.67
		For 3 Hour Rated, Add	*35.31*	
23 33 13 19-0048	EA	28" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	256.85	25.86
		For 3 Hour Rated, Add	*35.85*	
23 33 13 19-0049	EA	28" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	267.35	27.94
		For 3 Hour Rated, Add	*36.66*	
23 33 13 19-0050	EA	28" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	276.51	30.13
		For 3 Hour Rated, Add	*37.20*	
23 33 13 19-0051	EA	28" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	286.35	32.34
		For 3 Hour Rated, Add	*37.87*	
23 33 13 19-0052	EA	28" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	296.18	34.40
		For 3 Hour Rated, Add	*38.54*	
23 33 13 19-0053	EA	28" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	313.15	38.80
		For 3 Hour Rated, Add	*39.35*	
23 33 13 19-0054	EA	28" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	330.13	43.06
		For 3 Hour Rated, Add	*40.16*	
23 33 13 19-0055	EA	28" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	344.67	45.27
		For 3 Hour Rated, Add	*41.78*	
23 33 13 19-0056	EA	28" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	364.34	49.54
		For 3 Hour Rated, Add	*43.12*	
23 33 13 19-0057	EA	32" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	260.88	25.86
		For 3 Hour Rated, Add	*36.66*	
23 33 13 19-0058	EA	32" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	268.69	27.94
		For 3 Hour Rated, Add	*36.93*	
23 33 13 19-0059	EA	32" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	276.51	30.13
		For 3 Hour Rated, Add	*37.20*	
23 33 13 19-0060	EA	32" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	285.67	32.34
		For 3 Hour Rated, Add	*37.73*	
23 33 13 19-0061	EA	32" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	296.43	34.40
		For 3 Hour Rated, Add	*38.59*	
23 33 13 19-0062	EA	32" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	313.15	38.80
		For 3 Hour Rated, Add	*39.35*	
23 33 13 19-0063	EA	32" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	331.48	43.06
		For 3 Hour Rated, Add	*40.43*	
23 33 13 19-0064	EA	32" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	349.80	47.33
		For 3 Hour Rated, Add	*41.51*	
23 33 13 19-0065	EA	32" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	364.34	49.54
		For 3 Hour Rated, Add	*43.12*	
23 33 13 19-0066	EA	32" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	384.12	53.03
		For 3 Hour Rated, Add	*45.01*	
23 33 13 19-0067	EA	32" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	403.95	56.00
		For 3 Hour Rated, Add	*47.16*	
23 33 13 19-0068	EA	36" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	275.61	27.94
		For 3 Hour Rated, Add	*38.31*	
23 33 13 19-0069	EA	36" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	285.00	30.13
		For 3 Hour Rated, Add	*38.89*	
23 33 13 19-0070	EA	36" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	294.39	32.34
		For 3 Hour Rated, Add	*39.48*	
23 33 13 19-0071	EA	36" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	305.26	34.40
		For 3 Hour Rated, Add	*40.36*	
23 33 13 19-0072	EA	36" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	320.40	38.80
		For 3 Hour Rated, Add	*40.80*	
23 33 13 19-0073	EA	36" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	329.05	40.87
		For 3 Hour Rated, Add	*41.24*	
23 33 13 19-0074	EA	36" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	355.78	47.33
		For 3 Hour Rated, Add	*42.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0075	EA	36" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	376.03	51.73
		For 3 Hour Rated, Add	*44.17*	
23 33 13 19-0076	EA	36" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	389.98	53.41
		For 3 Hour Rated, Add	*45.92*	
23 33 13 19-0077	EA	36" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	413.33	57.29
		For 3 Hour Rated, Add	*48.27*	
23 33 13 19-0078	EA	36" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	432.63	60.26
		For 3 Hour Rated, Add	*50.31*	
23 33 13 19-0079	EA	36" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	450.80	62.47
		For 3 Hour Rated, Add	*52.66*	
23 33 13 19-0080	EA	40" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	332.80	32.34
		For 3 Hour Rated, Add	*48.45*	
23 33 13 19-0081	EA	40" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	345.12	34.40
		For 3 Hour Rated, Add	*49.62*	
23 33 13 19-0082	EA	40" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	353.06	36.60
		For 3 Hour Rated, Add	*49.92*	
23 33 13 19-0083	EA	40" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	360.99	38.80
		For 3 Hour Rated, Add	*50.21*	
23 33 13 19-0084	EA	40" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	379.04	40.87
		For 3 Hour Rated, Add	*51.24*	
23 33 13 19-0085	EA	40" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	390.64	43.06
		For 3 Hour Rated, Add	*52.26*	
23 33 13 19-0086	EA	40" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	415.90	49.54
		For 3 Hour Rated, Add	*53.43*	
23 33 13 19-0087	EA	40" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	434.68	53.80
		For 3 Hour Rated, Add	*54.60*	
23 33 13 19-0088	EA	40" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	453.81	57.29
		For 3 Hour Rated, Add	*56.36*	
23 33 13 19-0089	EA	40" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	478.97	60.26
		For 3 Hour Rated, Add	*59.58*	
23 33 13 19-0090	EA	40" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	498.10	63.76
		For 3 Hour Rated, Add	*61.34*	
23 33 13 19-0091	EA	40" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	519.38	65.44
		For 3 Hour Rated, Add	*64.56*	
23 33 13 19-0092	EA	40" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	544.38	68.93
		For 3 Hour Rated, Add	*67.49*	
23 33 13 19-0093	EA	44" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	342.20	32.34
		For 3 Hour Rated, Add	*49.04*	
23 33 13 19-0094	EA	44" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	354.53	34.40
		For 3 Hour Rated, Add	*50.21*	
23 33 13 19-0095	EA	44" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	365.38	36.60
		For 3 Hour Rated, Add	*51.09*	
23 33 13 19-0096	EA	44" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	373.32	38.80
		For 3 Hour Rated, Add	*51.38*	
23 33 13 19-0097	EA	44" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	385.64	40.87
		For 3 Hour Rated, Add	*52.56*	
23 33 13 19-0098	EA	44" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	397.96	43.06
		For 3 Hour Rated, Add	*53.73*	
23 33 13 19-0099	EA	44" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	431.16	51.73
		For 3 Hour Rated, Add	*55.19*	
23 33 13 19-0100	EA	44" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	451.40	56.00
		For 3 Hour Rated, Add	*56.65*	
23 33 13 19-0101	EA	44" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	478.97	60.26
		For 3 Hour Rated, Add	*59.58*	
23 33 13 19-0102	EA	44" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	505.08	64.66
		For 3 Hour Rated, Add	*62.22*	
23 33 13 19-0103	EA	44" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	532.65	68.93
		For 3 Hour Rated, Add	*65.14*	
23 33 13 19-0104	EA	44" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	552.30	71.00
		For 3 Hour Rated, Add	*67.78*	
23 33 13 19-0105	EA	44" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	571.94	73.20
		For 3 Hour Rated, Add	*70.42*	
23 33 13 19-0106	EA	44" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	591.60	75.40
		For 3 Hour Rated, Add	*73.05*	
23 33 13 19-0107	EA	48" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	353.06	34.40
		For 3 Hour Rated, Add	*49.92*	
23 33 13 19-0108	EA	48" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	365.38	36.60
		For 3 Hour Rated, Add	*51.09*	
23 33 13 19-0109	EA	48" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	373.32	38.80
		For 3 Hour Rated, Add	*51.38*	
23 33 13 19-0110	EA	48" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	390.64	43.06
		For 3 Hour Rated, Add	*52.26*	
23 33 13 19-0111	EA	48" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	409.43	47.33
		For 3 Hour Rated, Add	*53.43*	
23 33 13 19-0112	EA	48" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	428.22	51.73
		For 3 Hour Rated, Add	*54.60*	
23 33 13 19-0113	EA	48" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	449.94	56.00
		For 3 Hour Rated, Add	*56.36*	
23 33 13 19-0114	EA	48" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	471.65	60.26
		For 3 Hour Rated, Add	*58.12*	
23 33 13 19-0115	EA	48" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	497.76	64.66
		For 3 Hour Rated, Add	*60.75*	
23 33 13 19-0116	EA	48" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	526.79	68.93
		For 3 Hour Rated, Add	*63.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0117	EA	48" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	546.46	71.00
		For 3 Hour Rated, Add	*66.61*	
23 33 13 19-0118	EA	48" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	570.47	73.20
		For 3 Hour Rated, Add	*70.12*	
23 33 13 19-0119	EA	48" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	596.59	77.47
		For 3 Hour Rated, Add	*72.76*	
23 33 13 19-0120	EA	48" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	620.63	79.67
		For 3 Hour Rated, Add	*76.27*	
23 33 13 19-0121	EA	48" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	651.74	86.14
		For 3 Hour Rated, Add	*78.62*	
23 33 13 19-0122	EA	52" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	363.91	36.60
		For 3 Hour Rated, Add	*50.80*	
23 33 13 19-0123	EA	52" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	376.24	38.80
		For 3 Hour Rated, Add	*51.97*	
23 33 13 19-0124	EA	52" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	395.03	43.06
		For 3 Hour Rated, Add	*53.14*	
23 33 13 19-0125	EA	52" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	409.43	47.33
		For 3 Hour Rated, Add	*53.43*	
23 33 13 19-0126	EA	52" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	428.96	51.73
		For 3 Hour Rated, Add	*54.75*	
23 33 13 19-0127	EA	52" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	448.48	56.00
		For 3 Hour Rated, Add	*56.07*	
23 33 13 19-0128	EA	52" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	470.19	60.26
		For 3 Hour Rated, Add	*57.83*	
23 33 13 19-0129	EA	52" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	491.90	64.66
		For 3 Hour Rated, Add	*59.58*	
23 33 13 19-0130	EA	52" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	518.02	68.93
		For 3 Hour Rated, Add	*62.22*	
23 33 13 19-0131	EA	52" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	548.52	73.20
		For 3 Hour Rated, Add	*65.73*	
23 33 13 19-0132	EA	52" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	569.62	75.40
		For 3 Hour Rated, Add	*68.66*	
23 33 13 19-0133	EA	52" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	595.13	77.47
		For 3 Hour Rated, Add	*72.47*	
23 33 13 19-0134	EA	52" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	625.61	81.86
		For 3 Hour Rated, Add	*75.98*	
23 33 13 19-0135	EA	52" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	651.74	86.14
		For 3 Hour Rated, Add	*78.62*	
23 33 13 19-0136	EA	52" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	688.70	92.60
		For 3 Hour Rated, Add	*82.13*	
23 33 13 19-0137	EA	52" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	716.28	96.87
		For 3 Hour Rated, Add	*85.06*	
23 33 13 19-0138	EA	56" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	373.32	38.80
		For 3 Hour Rated, Add	*51.38*	
23 33 13 19-0139	EA	56" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	393.56	43.06
		For 3 Hour Rated, Add	*52.85*	
23 33 13 19-0140	EA	56" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	410.89	47.33
		For 3 Hour Rated, Add	*53.73*	
23 33 13 19-0141	EA	56" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	425.29	51.73
		For 3 Hour Rated, Add	*54.02*	
23 33 13 19-0142	EA	56" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	446.28	56.00
		For 3 Hour Rated, Add	*55.63*	
23 33 13 19-0143	EA	56" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	467.26	60.26
		For 3 Hour Rated, Add	*57.24*	
23 33 13 19-0144	EA	56" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	488.24	64.66
		For 3 Hour Rated, Add	*58.85*	
23 33 13 19-0145	EA	56" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	509.23	68.93
		For 3 Hour Rated, Add	*60.46*	
23 33 13 19-0146	EA	56" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	539.72	73.20
		For 3 Hour Rated, Add	*63.97*	
23 33 13 19-0147	EA	56" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	563.78	75.40
		For 3 Hour Rated, Add	*67.49*	
23 33 13 19-0148	EA	56" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	586.33	77.47
		For 3 Hour Rated, Add	*70.71*	
23 33 13 19-0149	EA	56" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	619.76	81.86
		For 3 Hour Rated, Add	*74.81*	
23 33 13 19-0150	EA	56" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	650.27	86.14
		For 3 Hour Rated, Add	*78.32*	
23 33 13 19-0151	EA	56" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	682.23	90.41
		For 3 Hour Rated, Add	*82.13*	
23 33 13 19-0152	EA	56" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	709.82	94.80
		For 3 Hour Rated, Add	*85.06*	
23 33 13 19-0153	EA	56" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	741.78	99.07
		For 3 Hour Rated, Add	*88.86*	
23 33 13 19-0154	EA	56" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	773.74	103.34
		For 3 Hour Rated, Add	*92.67*	
23 33 13 19-0155	EA	60" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	390.64	43.06
		For 3 Hour Rated, Add	*52.26*	
23 33 13 19-0156	EA	60" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	410.89	47.33
		For 3 Hour Rated, Add	*53.73*	
23 33 13 19-0157	EA	60" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	426.76	51.73
		For 3 Hour Rated, Add	*54.31*	
23 33 13 19-0158	EA	60" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	441.15	56.00
		For 3 Hour Rated, Add	*54.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0159	EA	60" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	462.87	60.26
		For 3 Hour Rated, Add	*56.36*	
23 33 13 19-0160	EA	60" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	484.58	64.66
		For 3 Hour Rated, Add	*58.12*	
23 33 13 19-0161	EA	60" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	507.03	68.93
		For 3 Hour Rated, Add	*60.02*	
23 33 13 19-0162	EA	60" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	529.49	73.20
		For 3 Hour Rated, Add	*61.93*	
23 33 13 19-0163	EA	60" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	554.99	75.40
		For 3 Hour Rated, Add	*65.73*	
23 33 13 19-0164	EA	60" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	579.01	77.47
		For 3 Hour Rated, Add	*69.24*	
23 33 13 19-0165	EA	60" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	610.99	81.86
		For 3 Hour Rated, Add	*73.05*	
23 33 13 19-0166	EA	60" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	642.96	86.14
		For 3 Hour Rated, Add	*76.86*	
23 33 13 19-0167	EA	60" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	670.53	90.41
		For 3 Hour Rated, Add	*79.79*	
23 33 13 19-0168	EA	60" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	706.89	94.80
		For 3 Hour Rated, Add	*84.47*	
23 33 13 19-0169	EA	60" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	740.32	99.07
		For 3 Hour Rated, Add	*88.57*	
23 33 13 19-0170	EA	60" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	773.74	103.34
		For 3 Hour Rated, Add	*92.67*	
23 33 13 19-0171	EA	60" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	804.24	107.74
		For 3 Hour Rated, Add	*96.18*	
23 33 13 19-0172	EA	60" x 60" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	834.76	112.00
		For 3 Hour Rated, Add	*99.70*	

23 33 13 19-0173 Smoke Damper *(23 33 13 19)*

Note: Leakage class I with Firestat UL 555S air foil blades.

23 33 13 19-0174	EA	6" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	77.28	9.57
		For Dynamic Damper, Add	*10.93*	
		For 3 Hour Rated, Add	*9.71*	
23 33 13 19-0175	EA	8" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	79.79	10.00
		For Dynamic Damper, Add	*11.20*	
		For 3 Hour Rated, Add	*9.96*	
23 33 13 19-0176	EA	8" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	81.20	10.08
		For Dynamic Damper, Add	*11.48*	
		For 3 Hour Rated, Add	*10.21*	
23 33 13 19-0177	EA	10" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	81.20	10.08
		For Dynamic Damper, Add	*11.48*	
		For 3 Hour Rated, Add	*10.21*	
23 33 13 19-0178	EA	10" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	83.30	10.35
		For Dynamic Damper, Add	*11.76*	
		For 3 Hour Rated, Add	*10.45*	
23 33 13 19-0179	EA	10" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	89.20	11.46
		For Dynamic Damper, Add	*12.31*	
		For 3 Hour Rated, Add	*10.94*	
23 33 13 19-0180	EA	12" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	83.30	10.35
		For Dynamic Damper, Add	*11.76*	
		For 3 Hour Rated, Add	*10.45*	
23 33 13 19-0181	EA	12" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	87.48	10.95
		For Dynamic Damper, Add	*12.31*	
		For 3 Hour Rated, Add	*10.94*	
23 33 13 19-0182	EA	12" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	90.44	11.46
		For Dynamic Damper, Add	*12.59*	
		For 3 Hour Rated, Add	*11.19*	
23 33 13 19-0183	EA	12" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	95.97	12.93
		For Dynamic Damper, Add	*12.86*	
		For 3 Hour Rated, Add	*11.43*	
23 33 13 19-0184	EA	14" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	86.87	10.95
		For Dynamic Damper, Add	*12.17*	
		For 3 Hour Rated, Add	*10.82*	
23 33 13 19-0185	EA	14" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	90.44	11.46
		For Dynamic Damper, Add	*12.59*	
		For 3 Hour Rated, Add	*11.19*	
23 33 13 19-0186	EA	14" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	93.38	12.07
		For Dynamic Damper, Add	*12.86*	
		For 3 Hour Rated, Add	*11.43*	
23 33 13 19-0187	EA	14" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	97.21	12.93
		For Dynamic Damper, Add	*13.14*	
		For 3 Hour Rated, Add	*11.68*	
23 33 13 19-0188	EA	14" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	104.59	14.40
		For Dynamic Damper, Add	*13.83*	
		For 3 Hour Rated, Add	*12.30*	
23 33 13 19-0189	EA	16" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	135.22	11.46
		For Dynamic Damper, Add	*22.66*	
		For 3 Hour Rated, Add	*20.15*	
23 33 13 19-0190	EA	16" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	139.04	12.33
		For Dynamic Damper, Add	*22.94*	
		For 3 Hour Rated, Add	*20.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0191	EA	16" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	143.72	13.54
		For Dynamic Damper, Add	*23.22*	
		For 3 Hour Rated, Add	*20.64*	
23 33 13 19-0192	EA	16" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	147.52	14.40
		For Dynamic Damper, Add	*23.49*	
		For 3 Hour Rated, Add	*20.88*	
23 33 13 19-0193	EA	16" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	154.92	15.78
		For Dynamic Damper, Add	*24.19*	
		For 3 Hour Rated, Add	*21.50*	
23 33 13 19-0194	EA	16" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	162.30	17.24
		For Dynamic Damper, Add	*24.88*	
		For 3 Hour Rated, Add	*22.11*	
23 33 13 19-0195	EA	18" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	138.17	12.07
		For Dynamic Damper, Add	*22.94*	
		For 3 Hour Rated, Add	*20.39*	
23 33 13 19-0196	EA	18" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	142.60	12.93
		For Dynamic Damper, Add	*23.36*	
		For 3 Hour Rated, Add	*20.76*	
23 33 13 19-0197	EA	18" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	148.77	14.40
		For Dynamic Damper, Add	*23.77*	
		For 3 Hour Rated, Add	*21.13*	
23 33 13 19-0198	EA	18" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	156.15	15.78
		For Dynamic Damper, Add	*24.46*	
		For 3 Hour Rated, Add	*21.75*	
23 33 13 19-0199	EA	18" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	162.91	17.24
		For Dynamic Damper, Add	*25.02*	
		For 3 Hour Rated, Add	*22.24*	
23 33 13 19-0200	EA	18" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	170.31	18.62
		For Dynamic Damper, Add	*25.71*	
		For 3 Hour Rated, Add	*22.85*	
23 33 13 19-0201	EA	18" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	176.46	20.09
		For Dynamic Damper, Add	*26.12*	
		For 3 Hour Rated, Add	*23.22*	
23 33 13 19-0202	EA	20" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	141.99	12.93
		For Dynamic Damper, Add	*23.22*	
		For 3 Hour Rated, Add	*20.64*	
23 33 13 19-0203	EA	20" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	148.76	14.40
		For Dynamic Damper, Add	*23.77*	
		For 3 Hour Rated, Add	*21.13*	
23 33 13 19-0204	EA	20" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	155.53	15.78
		For Dynamic Damper, Add	*24.32*	
		For 3 Hour Rated, Add	*21.62*	
23 33 13 19-0205	EA	20" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	164.77	17.24
		For Dynamic Damper, Add	*25.43*	
		For 3 Hour Rated, Add	*22.61*	
23 33 13 19-0206	EA	20" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	170.93	18.62
		For Dynamic Damper, Add	*25.85*	
		For 3 Hour Rated, Add	*22.98*	
23 33 13 19-0207	EA	20" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	177.08	20.09
		For Dynamic Damper, Add	*26.26*	
		For 3 Hour Rated, Add	*23.35*	
23 33 13 19-0208	EA	20" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	183.84	21.56
		For Dynamic Damper, Add	*26.82*	
		For 3 Hour Rated, Add	*23.84*	
23 33 13 19-0209	EA	20" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	190.62	22.94
		For Dynamic Damper, Add	*27.37*	
		For 3 Hour Rated, Add	*24.33*	
23 33 13 19-0210	EA	24" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	185.81	14.40
		For Dynamic Damper, Add	*32.11*	
		For 3 Hour Rated, Add	*28.54*	
23 33 13 19-0211	EA	24" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	193.82	15.78
		For Dynamic Damper, Add	*32.94*	
		For 3 Hour Rated, Add	*29.28*	
23 33 13 19-0212	EA	24" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	200.60	17.24
		For Dynamic Damper, Add	*33.50*	
		For 3 Hour Rated, Add	*29.77*	
23 33 13 19-0213	EA	24" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	208.61	18.62
		For Dynamic Damper, Add	*34.33*	
		For 3 Hour Rated, Add	*30.51*	
23 33 13 19-0214	EA	24" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	214.75	20.09
		For Dynamic Damper, Add	*34.74*	
		For 3 Hour Rated, Add	*30.88*	
23 33 13 19-0215	EA	24" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	220.90	21.56
		For Dynamic Damper, Add	*35.15*	
		For 3 Hour Rated, Add	*31.25*	
23 33 13 19-0216	EA	24" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	228.91	22.94
		For Dynamic Damper, Add	*35.98*	
		For 3 Hour Rated, Add	*31.99*	
23 33 13 19-0217	EA	24" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	241.21	25.86
		For Dynamic Damper, Add	*36.81*	
		For 3 Hour Rated, Add	*32.72*	
23 33 13 19-0218	EA	24" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	254.76	28.71
		For Dynamic Damper, Add	*37.92*	
		For 3 Hour Rated, Add	*33.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0219	EA	28" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	193.82	15.78
		For Dynamic Damper, Add	*32.94*	
		For 3 Hour Rated, Add	*29.28*	
23 33 13 19-0220	EA	28" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	200.60	17.24
		For Dynamic Damper, Add	*33.50*	
		For 3 Hour Rated, Add	*29.77*	
23 33 13 19-0221	EA	28" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	208.61	18.62
		For Dynamic Damper, Add	*34.33*	
		For 3 Hour Rated, Add	*30.51*	
23 33 13 19-0222	EA	28" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	215.36	20.09
		For Dynamic Damper, Add	*34.88*	
		For 3 Hour Rated, Add	*31.00*	
23 33 13 19-0223	EA	28" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	222.74	21.56
		For Dynamic Damper, Add	*35.57*	
		For 3 Hour Rated, Add	*31.62*	
23 33 13 19-0224	EA	28" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	230.13	22.94
		For Dynamic Damper, Add	*36.26*	
		For 3 Hour Rated, Add	*32.23*	
23 33 13 19-0225	EA	28" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	242.43	25.86
		For Dynamic Damper, Add	*37.09*	
		For 3 Hour Rated, Add	*32.97*	
23 33 13 19-0226	EA	28" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	254.76	28.71
		For Dynamic Damper, Add	*37.92*	
		For 3 Hour Rated, Add	*33.71*	
23 33 13 19-0227	EA	28" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	266.45	30.17
		For Dynamic Damper, Add	*39.58*	
		For 3 Hour Rated, Add	*35.18*	
23 33 13 19-0228	EA	28" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	281.22	33.02
		For Dynamic Damper, Add	*40.97*	
		For 3 Hour Rated, Add	*36.41*	
23 33 13 19-0229	EA	32" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	204.29	17.24
		For Dynamic Damper, Add	*34.33*	
		For 3 Hour Rated, Add	*30.51*	
23 33 13 19-0230	EA	32" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	209.82	18.62
		For Dynamic Damper, Add	*34.60*	
		For 3 Hour Rated, Add	*30.75*	
23 33 13 19-0231	EA	32" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	215.36	20.09
		For Dynamic Damper, Add	*34.88*	
		For 3 Hour Rated, Add	*31.00*	
23 33 13 19-0232	EA	32" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	222.12	21.56
		For Dynamic Damper, Add	*35.43*	
		For 3 Hour Rated, Add	*31.49*	
23 33 13 19-0233	EA	32" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	230.37	22.94
		For Dynamic Damper, Add	*36.31*	
		For 3 Hour Rated, Add	*32.28*	
23 33 13 19-0234	EA	32" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	242.43	25.86
		For Dynamic Damper, Add	*37.09*	
		For 3 Hour Rated, Add	*32.97*	
23 33 13 19-0235	EA	32" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	255.99	28.71
		For Dynamic Damper, Add	*38.20*	
		For 3 Hour Rated, Add	*33.95*	
23 33 13 19-0236	EA	32" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	269.54	31.56
		For Dynamic Damper, Add	*39.31*	
		For 3 Hour Rated, Add	*34.94*	
23 33 13 19-0237	EA	32" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	281.22	33.02
		For Dynamic Damper, Add	*40.97*	
		For 3 Hour Rated, Add	*36.41*	
23 33 13 19-0238	EA	32" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	296.74	35.35
		For Dynamic Damper, Add	*42.91*	
		For 3 Hour Rated, Add	*38.14*	
23 33 13 19-0239	EA	32" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	312.60	37.34
		For Dynamic Damper, Add	*45.12*	
		For 3 Hour Rated, Add	*40.10*	
23 33 13 19-0240	EA	36" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	214.40	18.62
		For Dynamic Damper, Add	*35.63*	
		For 3 Hour Rated, Add	*31.67*	
23 33 13 19-0241	EA	36" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	221.27	20.09
		For Dynamic Damper, Add	*36.21*	
		For 3 Hour Rated, Add	*32.18*	
23 33 13 19-0242	EA	36" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	228.15	21.56
		For Dynamic Damper, Add	*36.79*	
		For 3 Hour Rated, Add	*32.70*	
23 33 13 19-0243	EA	36" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	236.34	22.94
		For Dynamic Damper, Add	*37.66*	
		For 3 Hour Rated, Add	*33.47*	
23 33 13 19-0244	EA	36" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	246.90	25.86
		For Dynamic Damper, Add	*38.09*	
		For 3 Hour Rated, Add	*33.86*	
23 33 13 19-0245	EA	36" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	253.15	27.24
		For Dynamic Damper, Add	*38.53*	
		For 3 Hour Rated, Add	*34.25*	
23 33 13 19-0246	EA	36" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	272.52	31.56
		For Dynamic Damper, Add	*39.98*	
		For 3 Hour Rated, Add	*35.54*	

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23 33 13 19-0247	EA	36" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	287.58	34.49
		For Dynamic Damper, Add	*41.42*	
		For 3 Hour Rated, Add	*36.82*	
23 33 13 19-0248	EA	36" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	298.76	35.61
		For Dynamic Damper, Add	*43.17*	
		For 3 Hour Rated, Add	*38.37*	
23 33 13 19-0249	EA	36" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	316.82	38.19
		For Dynamic Damper, Add	*45.48*	
		For 3 Hour Rated, Add	*40.43*	
23 33 13 19-0250	EA	36" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	331.88	40.18
		For Dynamic Damper, Add	*47.51*	
		For 3 Hour Rated, Add	*42.23*	
23 33 13 19-0251	EA	36" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	346.50	41.64
		For Dynamic Damper, Add	*49.83*	
		For 3 Hour Rated, Add	*44.30*	
23 33 13 19-0252	EA	40" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	246.85	21.56
		For Dynamic Damper, Add	*41.96*	
		For 3 Hour Rated, Add	*37.30*	
23 33 13 19-0253	EA	40" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	256.31	22.94
		For Dynamic Damper, Add	*43.12*	
		For 3 Hour Rated, Add	*38.33*	
23 33 13 19-0254	EA	40" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	261.92	24.40
		For Dynamic Damper, Add	*43.41*	
		For 3 Hour Rated, Add	*38.59*	
23 33 13 19-0255	EA	40" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	267.52	25.86
		For Dynamic Damper, Add	*43.70*	
		For 3 Hour Rated, Add	*38.85*	
23 33 13 19-0256	EA	40" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	280.66	27.24
		For Dynamic Damper, Add	*44.72*	
		For 3 Hour Rated, Add	*39.75*	
23 33 13 19-0257	EA	40" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	289.48	28.71
		For Dynamic Damper, Add	*45.73*	
		For 3 Hour Rated, Add	*40.65*	
23 33 13 19-0258	EA	40" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	307.56	33.02
		For Dynamic Damper, Add	*46.89*	
		For 3 Hour Rated, Add	*41.68*	
23 33 13 19-0259	EA	40" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	321.35	35.87
		For Dynamic Damper, Add	*48.05*	
		For 3 Hour Rated, Add	*42.71*	
23 33 13 19-0260	EA	40" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	335.97	38.19
		For Dynamic Damper, Add	*49.79*	
		For 3 Hour Rated, Add	*44.26*	
23 33 13 19-0261	EA	40" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	356.18	40.18
		For Dynamic Damper, Add	*52.98*	
		For 3 Hour Rated, Add	*47.09*	
23 33 13 19-0262	EA	40" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	370.79	42.51
		For Dynamic Damper, Add	*54.72*	
		For 3 Hour Rated, Add	*48.64*	
23 33 13 19-0263	EA	40" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	388.42	43.63
		For Dynamic Damper, Add	*57.91*	
		For 3 Hour Rated, Add	*51.47*	
23 33 13 19-0264	EA	40" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	408.21	45.95
		For Dynamic Damper, Add	*60.81*	
		For 3 Hour Rated, Add	*54.05*	
23 33 13 19-0265	EA	44" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	253.74	21.56
		For Dynamic Damper, Add	*42.54*	
		For 3 Hour Rated, Add	*37.82*	
23 33 13 19-0266	EA	44" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	263.21	22.94
		For Dynamic Damper, Add	*43.70*	
		For 3 Hour Rated, Add	*38.85*	
23 33 13 19-0267	EA	44" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	271.40	24.40
		For Dynamic Damper, Add	*44.57*	
		For 3 Hour Rated, Add	*39.62*	
23 33 13 19-0268	EA	44" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	276.99	25.86
		For Dynamic Damper, Add	*44.87*	
		For 3 Hour Rated, Add	*39.88*	
23 33 13 19-0269	EA	44" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	286.46	27.24
		For Dynamic Damper, Add	*46.02*	
		For 3 Hour Rated, Add	*40.91*	
23 33 13 19-0270	EA	44" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	295.92	28.71
		For Dynamic Damper, Add	*47.18*	
		For 3 Hour Rated, Add	*41.94*	
23 33 13 19-0271	EA	44" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	319.62	34.49
		For Dynamic Damper, Add	*48.63*	
		For 3 Hour Rated, Add	*43.23*	
23 33 13 19-0272	EA	44" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	334.66	37.34
		For Dynamic Damper, Add	*50.08*	
		For 3 Hour Rated, Add	*44.52*	
23 33 13 19-0273	EA	44" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	356.18	40.18
		For Dynamic Damper, Add	*52.98*	
		For 3 Hour Rated, Add	*47.09*	
23 33 13 19-0274	EA	44" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	376.40	43.11
		For Dynamic Damper, Add	*55.59*	
		For 3 Hour Rated, Add	*49.41*	

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23 33 13 19-0275	EA	44" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	397.89	45.95
		For Dynamic Damper, Add	*58.49*	
		For 3 Hour Rated, Add	*51.99*	
23 33 13 19-0276	EA	44" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	413.80	47.33
		For Dynamic Damper, Add	*61.10*	
		For 3 Hour Rated, Add	*54.31*	
23 33 13 19-0277	EA	44" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	429.71	48.80
		For Dynamic Damper, Add	*63.71*	
		For 3 Hour Rated, Add	*56.63*	
23 33 13 19-0278	EA	44" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	445.62	50.27
		For Dynamic Damper, Add	*66.32*	
		For 3 Hour Rated, Add	*58.95*	
23 33 13 19-0279	EA	48" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	261.92	22.94
		For Dynamic Damper, Add	*43.41*	
		For 3 Hour Rated, Add	*38.59*	
23 33 13 19-0280	EA	48" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	271.40	24.40
		For Dynamic Damper, Add	*44.57*	
		For 3 Hour Rated, Add	*39.62*	
23 33 13 19-0281	EA	48" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	276.99	25.86
		For Dynamic Damper, Add	*44.87*	
		For 3 Hour Rated, Add	*39.88*	
23 33 13 19-0282	EA	48" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	289.48	28.71
		For Dynamic Damper, Add	*45.73*	
		For 3 Hour Rated, Add	*40.65*	
23 33 13 19-0283	EA	48" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	303.25	31.56
		For Dynamic Damper, Add	*46.89*	
		For 3 Hour Rated, Add	*41.68*	
23 33 13 19-0284	EA	48" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	317.04	34.49
		For Dynamic Damper, Add	*48.05*	
		For 3 Hour Rated, Add	*42.71*	
23 33 13 19-0285	EA	48" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	333.38	37.34
		For Dynamic Damper, Add	*49.79*	
		For 3 Hour Rated, Add	*44.26*	
23 33 13 19-0286	EA	48" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	349.73	40.18
		For Dynamic Damper, Add	*51.53*	
		For 3 Hour Rated, Add	*45.80*	
23 33 13 19-0287	EA	48" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	369.95	43.11
		For Dynamic Damper, Add	*54.14*	
		For 3 Hour Rated, Add	*48.12*	
23 33 13 19-0288	EA	48" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	392.74	45.95
		For Dynamic Damper, Add	*57.33*	
		For 3 Hour Rated, Add	*50.96*	
23 33 13 19-0289	EA	48" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	408.66	47.33
		For Dynamic Damper, Add	*59.94*	
		For 3 Hour Rated, Add	*53.28*	
23 33 13 19-0290	EA	48" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	428.42	48.80
		For Dynamic Damper, Add	*63.42*	
		For 3 Hour Rated, Add	*56.37*	
23 33 13 19-0291	EA	48" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	448.65	51.65
		For Dynamic Damper, Add	*66.03*	
		For 3 Hour Rated, Add	*58.69*	
23 33 13 19-0292	EA	48" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	468.41	53.11
		For Dynamic Damper, Add	*69.50*	
		For 3 Hour Rated, Add	*61.78*	
23 33 13 19-0293	EA	48" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	491.66	57.43
		For Dynamic Damper, Add	*71.82*	
		For 3 Hour Rated, Add	*63.84*	
23 33 13 19-0294	EA	52" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	270.11	24.40
		For Dynamic Damper, Add	*44.28*	
		For 3 Hour Rated, Add	*39.36*	
23 33 13 19-0295	EA	52" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	279.56	25.86
		For Dynamic Damper, Add	*45.44*	
		For 3 Hour Rated, Add	*40.39*	
23 33 13 19-0296	EA	52" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	293.34	28.71
		For Dynamic Damper, Add	*46.60*	
		For 3 Hour Rated, Add	*41.42*	
23 33 13 19-0297	EA	52" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	303.25	31.56
		For Dynamic Damper, Add	*46.89*	
		For 3 Hour Rated, Add	*41.68*	
23 33 13 19-0298	EA	52" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	317.69	34.49
		For Dynamic Damper, Add	*48.20*	
		For 3 Hour Rated, Add	*42.84*	
23 33 13 19-0299	EA	52" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	332.09	37.34
		For Dynamic Damper, Add	*49.50*	
		For 3 Hour Rated, Add	*44.00*	
23 33 13 19-0300	EA	52" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	348.45	40.18
		For Dynamic Damper, Add	*51.24*	
		For 3 Hour Rated, Add	*45.55*	
23 33 13 19-0301	EA	52" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	364.80	43.11
		For Dynamic Damper, Add	*52.98*	
		For 3 Hour Rated, Add	*47.09*	
23 33 13 19-0302	EA	52" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	385.02	45.95
		For Dynamic Damper, Add	*55.59*	
		For 3 Hour Rated, Add	*49.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0303	EA	52" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	409.09	48.80
		For Dynamic Damper, Add	*59.07*	
		For 3 Hour Rated, Add	*52.50*	
23 33 13 19-0304	EA	52" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	426.28	50.27
		For Dynamic Damper, Add	*61.97*	
		For 3 Hour Rated, Add	*55.08*	
23 33 13 19-0305	EA	52" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	447.36	51.65
		For Dynamic Damper, Add	*65.74*	
		For 3 Hour Rated, Add	*58.43*	
23 33 13 19-0306	EA	52" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	471.43	54.58
		For Dynamic Damper, Add	*69.21*	
		For 3 Hour Rated, Add	*61.52*	
23 33 13 19-0307	EA	52" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	491.66	57.43
		For Dynamic Damper, Add	*71.82*	
		For 3 Hour Rated, Add	*63.84*	
23 33 13 19-0308	EA	52" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	520.05	61.73
		For Dynamic Damper, Add	*75.30*	
		For 3 Hour Rated, Add	*66.94*	
23 33 13 19-0309	EA	52" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	541.56	64.58
		For Dynamic Damper, Add	*78.20*	
		For 3 Hour Rated, Add	*69.51*	
23 33 13 19-0310	EA	56" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	276.99	25.86
		For Dynamic Damper, Add	*44.87*	
		For 3 Hour Rated, Add	*39.88*	
23 33 13 19-0311	EA	56" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	292.05	28.71
		For Dynamic Damper, Add	*46.31*	
		For 3 Hour Rated, Add	*41.17*	
23 33 13 19-0312	EA	56" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	304.54	31.56
		For Dynamic Damper, Add	*47.18*	
		For 3 Hour Rated, Add	*41.94*	
23 33 13 19-0313	EA	56" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	314.45	34.49
		For Dynamic Damper, Add	*47.47*	
		For 3 Hour Rated, Add	*42.20*	
23 33 13 19-0314	EA	56" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	330.16	37.34
		For Dynamic Damper, Add	*49.07*	
		For 3 Hour Rated, Add	*43.62*	
23 33 13 19-0315	EA	56" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	345.87	40.18
		For Dynamic Damper, Add	*50.66*	
		For 3 Hour Rated, Add	*45.03*	
23 33 13 19-0316	EA	56" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	361.58	43.11
		For Dynamic Damper, Add	*52.26*	
		For 3 Hour Rated, Add	*46.45*	
23 33 13 19-0317	EA	56" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	377.28	45.95
		For Dynamic Damper, Add	*53.85*	
		For 3 Hour Rated, Add	*47.87*	
23 33 13 19-0318	EA	56" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	401.36	48.80
		For Dynamic Damper, Add	*57.33*	
		For 3 Hour Rated, Add	*50.96*	
23 33 13 19-0319	EA	56" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	421.14	50.27
		For Dynamic Damper, Add	*60.81*	
		For 3 Hour Rated, Add	*54.05*	
23 33 13 19-0320	EA	56" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	439.63	51.65
		For Dynamic Damper, Add	*64.00*	
		For 3 Hour Rated, Add	*56.89*	
23 33 13 19-0321	EA	56" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	466.29	54.58
		For Dynamic Damper, Add	*68.06*	
		For 3 Hour Rated, Add	*60.49*	
23 33 13 19-0322	EA	56" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	490.37	57.43
		For Dynamic Damper, Add	*71.53*	
		For 3 Hour Rated, Add	*63.59*	
23 33 13 19-0323	EA	56" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	515.74	60.26
		For Dynamic Damper, Add	*75.30*	
		For 3 Hour Rated, Add	*66.94*	
23 33 13 19-0324	EA	56" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	537.26	63.20
		For Dynamic Damper, Add	*78.20*	
		For 3 Hour Rated, Add	*69.51*	
23 33 13 19-0325	EA	56" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	562.62	66.04
		For Dynamic Damper, Add	*81.97*	
		For 3 Hour Rated, Add	*72.86*	
23 33 13 19-0326	EA	56" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	588.00	68.89
		For Dynamic Damper, Add	*85.74*	
		For 3 Hour Rated, Add	*76.21*	
23 33 13 19-0327	EA	60" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	289.48	28.71
		For Dynamic Damper, Add	*45.73*	
		For 3 Hour Rated, Add	*40.65*	
23 33 13 19-0328	EA	60" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	304.54	31.56
		For Dynamic Damper, Add	*47.18*	
		For 3 Hour Rated, Add	*41.94*	
23 33 13 19-0329	EA	60" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	315.74	34.49
		For Dynamic Damper, Add	*47.76*	
		For 3 Hour Rated, Add	*42.45*	
23 33 13 19-0330	EA	60" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	325.65	37.34
		For Dynamic Damper, Add	*48.05*	
		For 3 Hour Rated, Add	*42.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0331	EA	60" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	342.01	40.18
		For Dynamic Damper, Add	*49.79*	
		For 3 Hour Rated, Add	*44.26*	
23 33 13 19-0332	EA	60" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	358.35	43.11
		For Dynamic Damper, Add	*51.53*	
		For 3 Hour Rated, Add	*45.80*	
23 33 13 19-0333	EA	60" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	375.35	45.95
		For Dynamic Damper, Add	*53.42*	
		For 3 Hour Rated, Add	*47.48*	
23 33 13 19-0334	EA	60" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	392.34	48.80
		For Dynamic Damper, Add	*55.30*	
		For 3 Hour Rated, Add	*49.15*	
23 33 13 19-0335	EA	60" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	413.40	50.27
		For Dynamic Damper, Add	*59.07*	
		For 3 Hour Rated, Add	*52.50*	
23 33 13 19-0336	EA	60" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	433.18	51.65
		For Dynamic Damper, Add	*62.55*	
		For 3 Hour Rated, Add	*55.60*	
23 33 13 19-0337	EA	60" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	458.56	54.58
		For Dynamic Damper, Add	*66.32*	
		For 3 Hour Rated, Add	*58.95*	
23 33 13 19-0338	EA	60" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	483.93	57.43
		For Dynamic Damper, Add	*70.09*	
		For 3 Hour Rated, Add	*62.30*	
23 33 13 19-0339	EA	60" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	505.43	60.26
		For Dynamic Damper, Add	*72.98*	
		For 3 Hour Rated, Add	*64.87*	
23 33 13 19-0340	EA	60" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	534.67	63.20
		For Dynamic Damper, Add	*77.62*	
		For 3 Hour Rated, Add	*69.00*	
23 33 13 19-0341	EA	60" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	561.32	66.04
		For Dynamic Damper, Add	*81.68*	
		For 3 Hour Rated, Add	*72.60*	
23 33 13 19-0342	EA	60" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	588.00	68.89
		For Dynamic Damper, Add	*85.74*	
		For 3 Hour Rated, Add	*76.21*	
23 33 13 19-0343	EA	60" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	612.06	71.82
		For Dynamic Damper, Add	*89.21*	
		For 3 Hour Rated, Add	*79.30*	
23 33 13 19-0344	EA	60" x 60" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	636.17	74.66
		For Dynamic Damper, Add	*92.70*	
		For 3 Hour Rated, Add	*82.40*	

23 33 13 23 Backdraft Dampers *(23 33 13)*

23 33 13 23-0001 Horizontally Mounted Backdraft Damper *(23 33 13 23)*

Note: Galvanized steel frame, aluminum blades. Exclude motor pack.

23 33 13 23-0002	EA	6" x 6" Horizontally Mounted Backdraft Damper	51.16	9.57
23 33 13 23-0003	EA	8" x 6" Horizontally Mounted Backdraft Damper	59.92	10.00
23 33 13 23-0004	EA	8" x 8" Horizontally Mounted Backdraft Damper	70.07	10.08
23 33 13 23-0005	EA	10" x 6" Horizontally Mounted Backdraft Damper	67.58	10.08
23 33 13 23-0006	EA	10" x 8" Horizontally Mounted Backdraft Damper	65.48	10.35
23 33 13 23-0007	EA	10" x 10" Horizontally Mounted Backdraft Damper	77.54	11.46
23 33 13 23-0008	EA	12" x 6" Horizontally Mounted Backdraft Damper	62.04	10.35
23 33 13 23-0009	EA	12" x 8" Horizontally Mounted Backdraft Damper	75.82	11.46
23 33 13 23-0010	EA	12" x 10" Horizontally Mounted Backdraft Damper	73.83	12.07
23 33 13 23-0011	EA	12" x 12" Horizontally Mounted Backdraft Damper	83.95	12.93
23 33 13 23-0012	EA	14" x 6" Horizontally Mounted Backdraft Damper	68.93	10.95
23 33 13 23-0013	EA	14" x 8" Horizontally Mounted Backdraft Damper	71.32	12.07
23 33 13 23-0014	EA	14" x 10" Horizontally Mounted Backdraft Damper	82.70	12.93
23 33 13 23-0015	EA	14" x 12" Horizontally Mounted Backdraft Damper	76.88	14.40
23 33 13 23-0016	EA	14" x 14" Horizontally Mounted Backdraft Damper	86.82	15.78
23 33 13 23-0017	EA	16" x 6" Horizontally Mounted Backdraft Damper	75.82	11.46
23 33 13 23-0018	EA	16" x 8" Horizontally Mounted Backdraft Damper	78.93	12.93
23 33 13 23-0019	EA	16" x 10" Horizontally Mounted Backdraft Damper	75.27	14.40
23 33 13 23-0020	EA	16" x 12" Horizontally Mounted Backdraft Damper	81.70	14.40
23 33 13 23-0021	EA	16" x 14" Horizontally Mounted Backdraft Damper	92.44	15.78
23 33 13 23-0022	EA	16" x 16" Horizontally Mounted Backdraft Damper	103.18	17.24
23 33 13 23-0023	EA	18" x 6" Horizontally Mounted Backdraft Damper	70.07	12.07
23 33 13 23-0024	EA	18" x 8" Horizontally Mounted Backdraft Damper	67.74	12.93
23 33 13 23-0025	EA	18" x 10" Horizontally Mounted Backdraft Damper	79.28	14.40
23 33 13 23-0026	EA	18" x 12" Horizontally Mounted Backdraft Damper	90.83	15.78
23 33 13 23-0027	EA	18" x 14" Horizontally Mounted Backdraft Damper	102.37	17.24
23 33 13 23-0028	EA	18" x 16" Horizontally Mounted Backdraft Damper	115.78	18.62
23 33 13 23-0029	EA	18" x 18" Horizontally Mounted Backdraft Damper	131.86	21.56
23 33 13 23-0030	EA	18" x 20" Horizontally Mounted Backdraft Damper	114.27	22.94
23 33 13 23-0031	EA	18" x 24" Horizontally Mounted Backdraft Damper	131.93	25.86
23 33 13 23-0032	EA	20" x 6" Horizontally Mounted Backdraft Damper	76.42	12.93
23 33 13 23-0033	EA	20" x 8" Horizontally Mounted Backdraft Damper	75.27	14.40
23 33 13 23-0034	EA	20" x 10" Horizontally Mounted Backdraft Damper	87.61	15.78
23 33 13 23-0035	EA	20" x 12" Horizontally Mounted Backdraft Damper	99.97	17.24
23 33 13 23-0036	EA	20" x 14" Horizontally Mounted Backdraft Damper	114.13	18.62
23 33 13 23-0037	EA	20" x 16" Horizontally Mounted Backdraft Damper	126.72	20.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0038	EA	20" x 18" Horizontally Mounted Backdraft Damper	114.27	22.94
23 33 13 23-0039	EA	20" x 20" Horizontally Mounted Backdraft Damper	119.30	22.94
23 33 13 23-0040	EA	20" x 24" Horizontally Mounted Backdraft Damper	137.97	25.86
23 33 13 23-0041	EA	20" x 28" Horizontally Mounted Backdraft Damper	156.65	28.71
23 33 13 23-0042	EA	20" x 32" Horizontally Mounted Backdraft Damper	152.34	31.56
23 33 13 23-0043	EA	20" x 36" Horizontally Mounted Backdraft Damper	168.15	34.49
23 33 13 23-0044	EA	24" x 6" Horizontally Mounted Backdraft Damper	72.05	14.40
23 33 13 23-0045	EA	24" x 8" Horizontally Mounted Backdraft Damper	86.01	15.78
23 33 13 23-0046	EA	24" x 10" Horizontally Mounted Backdraft Damper	99.97	17.24
23 33 13 23-0047	EA	24" x 12" Horizontally Mounted Backdraft Damper	115.78	18.62
23 33 13 23-0048	EA	24" x 14" Horizontally Mounted Backdraft Damper	106.92	21.56
23 33 13 23-0049	EA	24" x 16" Horizontally Mounted Backdraft Damper	117.28	22.94
23 33 13 23-0050	EA	24" x 18" Horizontally Mounted Backdraft Damper	131.93	25.86
23 33 13 23-0051	EA	24" x 20" Horizontally Mounted Backdraft Damper	137.97	25.86
23 33 13 23-0052	EA	24" x 24" Horizontally Mounted Backdraft Damper	158.67	28.71
23 33 13 23-0053	EA	24" x 28" Horizontally Mounted Backdraft Damper	155.20	31.56
23 33 13 23-0054	EA	24" x 32" Horizontally Mounted Backdraft Damper	172.47	34.49
23 33 13 23-0055	EA	24" x 36" Horizontally Mounted Backdraft Damper	189.70	37.34
23 33 13 23-0056	EA	24" x 40" Horizontally Mounted Backdraft Damper	189.71	40.18
23 33 13 23-0057	EA	24" x 44" Horizontally Mounted Backdraft Damper	205.22	43.11
23 33 13 23-0058	EA	24" x 48" Horizontally Mounted Backdraft Damper	212.12	43.11
23 33 13 23-0059	EA	28" x 6" Horizontally Mounted Backdraft Damper	76.88	14.40
23 33 13 23-0060	EA	28" x 8" Horizontally Mounted Backdraft Damper	92.44	15.78
23 33 13 23-0061	EA	28" x 10" Horizontally Mounted Backdraft Damper	114.13	18.62
23 33 13 23-0062	EA	28" x 12" Horizontally Mounted Backdraft Damper	106.92	21.56
23 33 13 23-0063	EA	28" x 14" Horizontally Mounted Backdraft Damper	118.29	22.94
23 33 13 23-0064	EA	28" x 16" Horizontally Mounted Backdraft Damper	133.94	25.86
23 33 13 23-0065	EA	28" x 18" Horizontally Mounted Backdraft Damper	149.62	28.71
23 33 13 23-0066	EA	28" x 20" Horizontally Mounted Backdraft Damper	156.65	28.71
23 33 13 23-0067	EA	28" x 24" Horizontally Mounted Backdraft Damper	155.20	31.56
23 33 13 23-0068	EA	28" x 28" Horizontally Mounted Backdraft Damper	173.90	34.49
23 33 13 23-0069	EA	28" x 32" Horizontally Mounted Backdraft Damper	192.57	37.34
23 33 13 23-0070	EA	28" x 36" Horizontally Mounted Backdraft Damper	201.77	43.11
23 33 13 23-0071	EA	28" x 40" Horizontally Mounted Backdraft Damper	209.82	43.11
23 33 13 23-0072	EA	28" x 44" Horizontally Mounted Backdraft Damper	226.49	45.95
23 33 13 23-0073	EA	28" x 48" Horizontally Mounted Backdraft Damper	243.16	48.80
23 33 13 23-0074	EA	28" x 52" Horizontally Mounted Backdraft Damper	251.21	48.80
23 33 13 23-0075	EA	28" x 56" Horizontally Mounted Backdraft Damper	253.81	51.65
23 33 13 23-0076	EA	28" x 60" Horizontally Mounted Backdraft Damper	260.84	51.65
23 33 13 23-0077	EA	32" x 6" Horizontally Mounted Backdraft Damper	86.01	15.78
23 33 13 23-0078	EA	32" x 8" Horizontally Mounted Backdraft Damper	109.15	18.62
23 33 13 23-0079	EA	32" x 10" Horizontally Mounted Backdraft Damper	126.72	20.09
23 33 13 23-0080	EA	32" x 12" Horizontally Mounted Backdraft Damper	117.28	22.94
23 33 13 23-0081	EA	32" x 14" Horizontally Mounted Backdraft Damper	133.94	25.86
23 33 13 23-0082	EA	32" x 16" Horizontally Mounted Backdraft Damper	150.62	28.71
23 33 13 23-0083	EA	32" x 18" Horizontally Mounted Backdraft Damper	137.96	28.71
23 33 13 23-0084	EA	32" x 20" Horizontally Mounted Backdraft Damper	152.34	31.56
23 33 13 23-0085	EA	32" x 24" Horizontally Mounted Backdraft Damper	172.47	34.49
23 33 13 23-0086	EA	32" x 28" Horizontally Mounted Backdraft Damper	192.57	37.34
23 33 13 23-0087	EA	32" x 32" Horizontally Mounted Backdraft Damper	202.92	43.11
23 33 13 23-0088	EA	32" x 36" Horizontally Mounted Backdraft Damper	212.12	43.11
23 33 13 23-0089	EA	32" x 40" Horizontally Mounted Backdraft Damper	229.94	45.95
23 33 13 23-0090	EA	32" x 44" Horizontally Mounted Backdraft Damper	247.76	48.80
23 33 13 23-0091	EA	32" x 48" Horizontally Mounted Backdraft Damper	251.79	51.65
23 33 13 23-0092	EA	32" x 52" Horizontally Mounted Backdraft Damper	259.84	51.65
23 33 13 23-0093	EA	32" x 56" Horizontally Mounted Backdraft Damper	276.51	54.58
23 33 13 23-0094	EA	32" x 60" Horizontally Mounted Backdraft Damper	284.56	54.58
23 33 13 23-0095	EA	32" x 64" Horizontally Mounted Backdraft Damper	282.83	57.43
23 33 13 23-0096	EA	32" x 68" Horizontally Mounted Backdraft Damper	289.72	57.43
23 33 13 23-0097	EA	32" x 72" Horizontally Mounted Backdraft Damper	305.24	60.26
23 33 13 23-0098	EA	36" x 6" Horizontally Mounted Backdraft Damper	90.83	15.78
23 33 13 23-0099	EA	36" x 8" Horizontally Mounted Backdraft Damper	120.08	20.09
23 33 13 23-0100	EA	36" x 10" Horizontally Mounted Backdraft Damper	114.27	22.94
23 33 13 23-0101	EA	36" x 12" Horizontally Mounted Backdraft Damper	131.93	25.86
23 33 13 23-0102	EA	36" x 14" Horizontally Mounted Backdraft Damper	149.62	28.71
23 33 13 23-0103	EA	36" x 16" Horizontally Mounted Backdraft Damper	137.96	28.71
23 33 13 23-0104	EA	36" x 18" Horizontally Mounted Backdraft Damper	153.05	31.56
23 33 13 23-0105	EA	36" x 20" Horizontally Mounted Backdraft Damper	168.15	34.49
23 33 13 23-0106	EA	36" x 24" Horizontally Mounted Backdraft Damper	189.70	37.34
23 33 13 23-0107	EA	36" x 28" Horizontally Mounted Backdraft Damper	201.77	43.11
23 33 13 23-0108	EA	36" x 32" Horizontally Mounted Backdraft Damper	212.12	43.11
23 33 13 23-0109	EA	36" x 36" Horizontally Mounted Backdraft Damper	231.09	45.95
23 33 13 23-0110	EA	36" x 40" Horizontally Mounted Backdraft Damper	250.06	48.80
23 33 13 23-0111	EA	36" x 44" Horizontally Mounted Backdraft Damper	254.80	51.65
23 33 13 23-0112	EA	36" x 48" Horizontally Mounted Backdraft Damper	272.48	54.58
23 33 13 23-0113	EA	36" x 52" Horizontally Mounted Backdraft Damper	281.54	54.58
23 33 13 23-0114	EA	36" x 56" Horizontally Mounted Backdraft Damper	281.10	57.43
23 33 13 23-0115	EA	36" x 60" Horizontally Mounted Backdraft Damper	288.86	57.43
23 33 13 23-0116	EA	36" x 64" Horizontally Mounted Backdraft Damper	305.24	60.26
23 33 13 23-0117	EA	36" x 68" Horizontally Mounted Backdraft Damper	313.00	60.26
23 33 13 23-0118	EA	36" x 72" Horizontally Mounted Backdraft Damper	320.77	60.26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0119	EA	40" x 6" Horizontally Mounted Backdraft Damper	99.97	17.24
23 33 13 23-0120	EA	40" x 8" Horizontally Mounted Backdraft Damper	131.03	21.56
23 33 13 23-0121	EA	40" x 10" Horizontally Mounted Backdraft Damper	119.30	22.94
23 33 13 23-0122	EA	40" x 12" Horizontally Mounted Backdraft Damper	137.97	25.86
23 33 13 23-0123	EA	40" x 14" Horizontally Mounted Backdraft Damper	156.65	28.71
23 33 13 23-0124	EA	40" x 16" Horizontally Mounted Backdraft Damper	152.34	31.56
23 33 13 23-0125	EA	40" x 18" Horizontally Mounted Backdraft Damper	168.15	34.49
23 33 13 23-0126	EA	40" x 20" Horizontally Mounted Backdraft Damper	183.94	37.34
23 33 13 23-0127	EA	40" x 24" Horizontally Mounted Backdraft Damper	189.71	40.18
23 33 13 23-0128	EA	40" x 28" Horizontally Mounted Backdraft Damper	209.82	43.11
23 33 13 23-0129	EA	40" x 32" Horizontally Mounted Backdraft Damper	229.94	45.95
23 33 13 23-0130	EA	40" x 36" Horizontally Mounted Backdraft Damper	250.06	48.80
23 33 13 23-0131	EA	40" x 40" Horizontally Mounted Backdraft Damper	255.81	51.65
23 33 13 23-0132	EA	40" x 44" Horizontally Mounted Backdraft Damper	274.49	54.58
23 33 13 23-0133	EA	40" x 48" Horizontally Mounted Backdraft Damper	284.56	54.58
23 33 13 23-0134	EA	40" x 50" Horizontally Mounted Backdraft Damper	280.24	57.43
23 33 13 23-0135	EA	44" x 6" Horizontally Mounted Backdraft Damper	110.81	18.62
23 33 13 23-0136	EA	44" x 8" Horizontally Mounted Backdraft Damper	113.26	22.94
23 33 13 23-0137	EA	44" x 10" Horizontally Mounted Backdraft Damper	132.94	25.86
23 33 13 23-0138	EA	44" x 12" Horizontally Mounted Backdraft Damper	152.63	28.71
23 33 13 23-0139	EA	44" x 14" Horizontally Mounted Backdraft Damper	150.18	31.56
23 33 13 23-0140	EA	44" x 16" Horizontally Mounted Backdraft Damper	166.71	34.49
23 33 13 23-0141	EA	44" x 18" Horizontally Mounted Backdraft Damper	174.62	34.49
23 33 13 23-0142	EA	44" x 20" Horizontally Mounted Backdraft Damper	191.13	37.34
23 33 13 23-0143	EA	44" x 24" Horizontally Mounted Backdraft Damper	205.22	43.11
23 33 13 23-0144	EA	44" x 28" Horizontally Mounted Backdraft Damper	226.49	45.95
23 33 13 23-0145	EA	44" x 32" Horizontally Mounted Backdraft Damper	247.76	48.80
23 33 13 23-0146	EA	44" x 36" Horizontally Mounted Backdraft Damper	254.80	51.65
23 33 13 23-0147	EA	44" x 40" Horizontally Mounted Backdraft Damper	274.49	54.58
23 33 13 23-0148	EA	44" x 44" Horizontally Mounted Backdraft Damper	285.56	54.58
23 33 13 23-0149	EA	44" x 48" Horizontally Mounted Backdraft Damper	286.28	57.43
23 33 13 23-0150	EA	44" x 50" Horizontally Mounted Backdraft Damper	291.02	57.43
23 33 13 23-0151	EA	48" x 6" Horizontally Mounted Backdraft Damper	120.08	20.09
23 33 13 23-0152	EA	48" x 8" Horizontally Mounted Backdraft Damper	117.28	22.94
23 33 13 23-0153	EA	48" x 10" Horizontally Mounted Backdraft Damper	137.97	25.86
23 33 13 23-0154	EA	48" x 12" Horizontally Mounted Backdraft Damper	137.96	28.71
23 33 13 23-0155	EA	48" x 14" Horizontally Mounted Backdraft Damper	155.20	31.56
23 33 13 23-0156	EA	48" x 16" Horizontally Mounted Backdraft Damper	172.47	34.49
23 33 13 23-0157	EA	48" x 18" Horizontally Mounted Backdraft Damper	189.70	37.34
23 33 13 23-0158	EA	48" x 20" Horizontally Mounted Backdraft Damper	189.71	40.18
23 33 13 23-0159	EA	48" x 24" Horizontally Mounted Backdraft Damper	212.12	43.11
23 33 13 23-0160	EA	48" x 28" Horizontally Mounted Backdraft Damper	243.16	48.80
23 33 13 23-0161	EA	48" x 32" Horizontally Mounted Backdraft Damper	251.79	51.65
23 33 13 23-0162	EA	48" x 36" Horizontally Mounted Backdraft Damper	272.48	54.58
23 33 13 23-0163	EA	48" x 40" Horizontally Mounted Backdraft Damper	284.56	54.58
23 33 13 23-0164	EA	48" x 44" Horizontally Mounted Backdraft Damper	286.28	57.43
23 33 13 23-0165	EA	48" x 48" Horizontally Mounted Backdraft Damper	305.24	60.26
23 33 13 23-0166	EA	48" x 50" Horizontally Mounted Backdraft Damper	310.42	60.26
23 33 13 23-0167	EA	50" x 6" Horizontally Mounted Backdraft Damper	122.57	20.09
23 33 13 23-0168	EA	50" x 8" Horizontally Mounted Backdraft Damper	127.91	25.86
23 33 13 23-0169	EA	50" x 10" Horizontally Mounted Backdraft Damper	149.12	28.71
23 33 13 23-0170	EA	50" x 12" Horizontally Mounted Backdraft Damper	148.74	31.56
23 33 13 23-0171	EA	50" x 14" Horizontally Mounted Backdraft Damper	166.35	34.49
23 33 13 23-0172	EA	50" x 16" Horizontally Mounted Backdraft Damper	183.94	37.34
23 33 13 23-0173	EA	50" x 18" Horizontally Mounted Backdraft Damper	201.56	40.18
23 33 13 23-0174	EA	50" x 20" Horizontally Mounted Backdraft Damper	201.19	43.11
23 33 13 23-0175	EA	50" x 24" Horizontally Mounted Backdraft Damper	224.19	45.95
23 33 13 23-0176	EA	50" x 28" Horizontally Mounted Backdraft Damper	247.18	48.80
23 33 13 23-0177	EA	50" x 32" Horizontally Mounted Backdraft Damper	255.81	51.65
23 33 13 23-0178	EA	50" x 36" Horizontally Mounted Backdraft Damper	277.01	54.58
23 33 13 23-0179	EA	50" x 40" Horizontally Mounted Backdraft Damper	280.24	57.43
23 33 13 23-0180	EA	50" x 44" Horizontally Mounted Backdraft Damper	291.02	57.43
23 33 13 23-0181	EA	50" x 48" Horizontally Mounted Backdraft Damper	310.42	60.26
23 33 13 23-0182	EA	50" x 50" Horizontally Mounted Backdraft Damper	315.81	60.26

23 33 13 23-0183 Vertically Mounted Backdraft Damper *(23 33 13 23)*

Note: Galvanized steel frame, aluminum blades. Excludes motor pack.

23 33 13 23-0184	EA	6" x 6" Vertically Mounted Backdraft Damper	54.56	9.57
23 33 13 23-0185	EA	8" x 6" Vertically Mounted Backdraft Damper	64.47	10.00
23 33 13 23-0186	EA	10" x 6" Vertically Mounted Backdraft Damper	66.08	10.08
23 33 13 23-0187	EA	8" x 8" Vertically Mounted Backdraft Damper	68.47	10.08
23 33 13 23-0188	EA	12" x 6" Vertically Mounted Backdraft Damper	74.13	10.35
23 33 13 23-0189	EA	10" x 8" Vertically Mounted Backdraft Damper	82.37	11.46
23 33 13 23-0190	EA	14" x 6" Vertically Mounted Backdraft Damper	81.31	10.35
23 33 13 23-0191	EA	12" x 8" Vertically Mounted Backdraft Damper	91.95	11.46
23 33 13 23-0192	EA	16" x 6" Vertically Mounted Backdraft Damper	93.67	12.07
23 33 13 23-0193	EA	10" x 10" Vertically Mounted Backdraft Damper	98.65	12.93
23 33 13 23-0194	EA	18" x 6" Vertically Mounted Backdraft Damper	80.02	10.95
23 33 13 23-0195	EA	14" x 8" Vertically Mounted Backdraft Damper	85.21	12.07
23 33 13 23-0196	EA	12" x 10" Vertically Mounted Backdraft Damper	91.30	12.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0197	EA	20" x 6" Vertically Mounted Backdraft Damper	95.61	14.40
23 33 13 23-0198	EA	16" x 8" Vertically Mounted Backdraft Damper	103.42	15.78
23 33 13 23-0199	EA	14" x 10" Vertically Mounted Backdraft Damper	95.74	11.46
23 33 13 23-0200	EA	12" x 12" Vertically Mounted Backdraft Damper	101.80	12.93
23 33 13 23-0201	EA	18" x 8" Vertically Mounted Backdraft Damper	93.26	14.40
23 33 13 23-0202	EA	24" x 6" Vertically Mounted Backdraft Damper	93.26	14.40
23 33 13 23-0203	EA	16" x 10" Vertically Mounted Backdraft Damper	103.13	15.78
23 33 13 23-0204	EA	20" x 8" Vertically Mounted Backdraft Damper	107.44	17.24
23 33 13 23-0205	EA	14" x 12" Vertically Mounted Backdraft Damper	94.71	12.07
23 33 13 23-0206	EA	28" x 6" Vertically Mounted Backdraft Damper	97.30	12.93
23 33 13 23-0207	EA	18" x 10" Vertically Mounted Backdraft Damper	105.78	14.40
23 33 13 23-0208	EA	16" x 12" Vertically Mounted Backdraft Damper	114.27	15.78
23 33 13 23-0209	EA	24" x 8" Vertically Mounted Backdraft Damper	118.58	17.24
23 33 13 23-0210	EA	32" x 6" Vertically Mounted Backdraft Damper	122.90	18.62
23 33 13 23-0211	EA	14" x 14" Vertically Mounted Backdraft Damper	132.91	21.56
23 33 13 23-0212	EA	20" x 10" Vertically Mounted Backdraft Damper	133.79	22.94
23 33 13 23-0213	EA	18" x 12" Vertically Mounted Backdraft Damper	147.58	25.86
23 33 13 23-0214	EA	36" x 6" Vertically Mounted Backdraft Damper	108.79	12.93
23 33 13 23-0215	EA	16" x 14" Vertically Mounted Backdraft Damper	115.70	14.40
23 33 13 23-0216	EA	28" x 8" Vertically Mounted Backdraft Damper	120.01	15.78
23 33 13 23-0217	EA	20" x 12" Vertically Mounted Backdraft Damper	129.49	17.24
23 33 13 23-0218	EA	24" x 10" Vertically Mounted Backdraft Damper	133.81	18.62
23 33 13 23-0219	EA	40" x 6" Vertically Mounted Backdraft Damper	138.11	20.09
23 33 13 23-0220	EA	18" x 14" Vertically Mounted Backdraft Damper	150.64	22.94
23 33 13 23-0221	EA	16" x 16" Vertically Mounted Backdraft Damper	151.93	22.94
23 33 13 23-0222	EA	32" x 8" Vertically Mounted Backdraft Damper	160.54	25.86
23 33 13 23-0223	EA	44" x 6" Vertically Mounted Backdraft Damper	171.76	28.71
23 33 13 23-0224	EA	20" x 14" Vertically Mounted Backdraft Damper	185.57	31.56
23 33 13 23-0225	EA	28" x 10" Vertically Mounted Backdraft Damper	194.20	34.49
23 33 13 23-0226	EA	18" x 16" Vertically Mounted Backdraft Damper	136.43	14.40
23 33 13 23-0227	EA	24" x 12" Vertically Mounted Backdraft Damper	140.74	15.78
23 33 13 23-0228	EA	36" x 8" Vertically Mounted Backdraft Damper	145.05	17.24
23 33 13 23-0229	EA	48" x 6" Vertically Mounted Backdraft Damper	149.37	18.62
23 33 13 23-0230	EA	50" x 6" Vertically Mounted Backdraft Damper	161.87	21.56
23 33 13 23-0231	EA	20" x 16" Vertically Mounted Backdraft Damper	172.67	22.94
23 33 13 23-0232	EA	32" x 10" Vertically Mounted Backdraft Damper	181.28	25.86
23 33 13 23-0233	EA	40" x 8" Vertically Mounted Backdraft Damper	181.28	25.86
23 33 13 23-0234	EA	18" x 18" Vertically Mounted Backdraft Damper	169.17	28.71
23 33 13 23-0235	EA	24" x 14" Vertically Mounted Backdraft Damper	166.27	31.56
23 33 13 23-0236	EA	28" x 12" Vertically Mounted Backdraft Damper	174.90	34.49
23 33 13 23-0237	EA	44" x 8" Vertically Mounted Backdraft Damper	186.91	37.34
23 33 13 23-0238	EA	18" x 20" Vertically Mounted Backdraft Damper	197.24	40.18
23 33 13 23-0239	EA	20" x 18" Vertically Mounted Backdraft Damper	205.86	43.11
23 33 13 23-0240	EA	36" x 10" Vertically Mounted Backdraft Damper	205.86	43.11
23 33 13 23-0241	EA	24" x 16" Vertically Mounted Backdraft Damper	124.75	14.40
23 33 13 23-0242	EA	32" x 12" Vertically Mounted Backdraft Damper	129.06	15.78
23 33 13 23-0243	EA	48" x 8" Vertically Mounted Backdraft Damper	137.69	18.62
23 33 13 23-0244	EA	28" x 14" Vertically Mounted Backdraft Damper	148.00	21.56
23 33 13 23-0245	EA	20" x 20" Vertically Mounted Backdraft Damper	154.02	22.94
23 33 13 23-0246	EA	40" x 10" Vertically Mounted Backdraft Damper	162.63	25.86
23 33 13 23-0247	EA	50" x 8" Vertically Mounted Backdraft Damper	171.26	28.71
23 33 13 23-0248	EA	18" x 24" Vertically Mounted Backdraft Damper	178.06	28.71
23 33 13 23-0249	EA	24" x 18" Vertically Mounted Backdraft Damper	186.68	31.56
23 33 13 23-0250	EA	36" x 12" Vertically Mounted Backdraft Damper	195.31	34.49
23 33 13 23-0251	EA	44" x 10" Vertically Mounted Backdraft Damper	205.62	37.34
23 33 13 23-0252	EA	28" x 16" Vertically Mounted Backdraft Damper	224.58	43.11
23 33 13 23-0253	EA	32" x 14" Vertically Mounted Backdraft Damper	224.58	43.11
23 33 13 23-0254	EA	20" x 24" Vertically Mounted Backdraft Damper	240.85	45.95
23 33 13 23-0255	EA	24" x 20" Vertically Mounted Backdraft Damper	233.80	48.80
23 33 13 23-0256	EA	40" x 12" Vertically Mounted Backdraft Damper	233.80	48.80
23 33 13 23-0257	EA	48" x 10" Vertically Mounted Backdraft Damper	242.43	51.65
23 33 13 23-0258	EA	50" x 10" Vertically Mounted Backdraft Damper	246.07	51.65
23 33 13 23-0259	EA	28" x 18" Vertically Mounted Backdraft Damper	139.01	15.78
23 33 13 23-0260	EA	36" x 14" Vertically Mounted Backdraft Damper	147.64	18.62
23 33 13 23-0261	EA	32" x 16" Vertically Mounted Backdraft Damper	153.40	20.09
23 33 13 23-0262	EA	44" x 12" Vertically Mounted Backdraft Damper	164.93	22.94
23 33 13 23-0263	EA	20" x 28" Vertically Mounted Backdraft Damper	179.36	25.86
23 33 13 23-0264	EA	28" x 20" Vertically Mounted Backdraft Damper	187.99	28.71
23 33 13 23-0265	EA	40" x 14" Vertically Mounted Backdraft Damper	187.99	28.71
23 33 13 23-0266	EA	24" x 24" Vertically Mounted Backdraft Damper	199.51	31.56
23 33 13 23-0267	EA	32" x 18" Vertically Mounted Backdraft Damper	208.14	34.49
23 33 13 23-0268	EA	36" x 16" Vertically Mounted Backdraft Damper	216.75	37.34
23 33 13 23-0269	EA	48" x 12" Vertically Mounted Backdraft Damper	234.00	43.11
23 33 13 23-0270	EA	50" x 12" Vertically Mounted Backdraft Damper	238.37	43.11
23 33 13 23-0271	EA	44" x 14" Vertically Mounted Backdraft Damper	249.90	45.95
23 33 13 23-0272	EA	20" x 32" Vertically Mounted Backdraft Damper	262.88	48.80
23 33 13 23-0273	EA	32" x 20" Vertically Mounted Backdraft Damper	271.51	51.65
23 33 13 23-0274	EA	40" x 16" Vertically Mounted Backdraft Damper	271.51	51.65
23 33 13 23-0275	EA	36" x 18" Vertically Mounted Backdraft Damper	281.58	54.58
23 33 13 23-0276	EA	24" x 28" Vertically Mounted Backdraft Damper	286.67	54.58
23 33 13 23-0277	EA	28" x 24" Vertically Mounted Backdraft Damper	284.76	57.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0278	EA	48" x 14" Vertically Mounted Backdraft Damper	284.76	57.43
23 33 13 23-0279	EA	50" x 14" Vertically Mounted Backdraft Damper	298.06	60.26
23 33 13 23-0280	EA	44" x 16" Vertically Mounted Backdraft Damper	165.08	15.78
23 33 13 23-0281	EA	20" x 36" Vertically Mounted Backdraft Damper	180.69	20.09
23 33 13 23-0282	EA	36" x 20" Vertically Mounted Backdraft Damper	189.32	22.94
23 33 13 23-0283	EA	40" x 18" Vertically Mounted Backdraft Damper	197.93	25.86
23 33 13 23-0284	EA	24" x 32" Vertically Mounted Backdraft Damper	214.58	28.71
23 33 13 23-0285	EA	32" x 24" Vertically Mounted Backdraft Damper	214.58	28.71
23 33 13 23-0286	EA	48" x 16" Vertically Mounted Backdraft Damper	223.20	31.56
23 33 13 23-0287	EA	28" x 28" Vertically Mounted Backdraft Damper	234.51	34.49
23 33 13 23-0288	EA	44" x 18" Vertically Mounted Backdraft Damper	244.45	37.34
23 33 13 23-0289	EA	40" x 20" Vertically Mounted Backdraft Damper	263.04	43.11
23 33 13 23-0290	EA	50" x 16" Vertically Mounted Backdraft Damper	263.04	43.11
23 33 13 23-0291	EA	24" x 36" Vertically Mounted Backdraft Damper	282.36	45.95
23 33 13 23-0292	EA	36" x 24" Vertically Mounted Backdraft Damper	290.98	48.80
23 33 13 23-0293	EA	48" x 18" Vertically Mounted Backdraft Damper	299.61	51.65
23 33 13 23-0294	EA	44" x 20" Vertically Mounted Backdraft Damper	310.90	54.58
23 33 13 23-0295	EA	28" x 32" Vertically Mounted Backdraft Damper	313.58	54.58
23 33 13 23-0296	EA	32" x 28" Vertically Mounted Backdraft Damper	322.20	57.43
23 33 13 23-0297	EA	50" x 18" Vertically Mounted Backdraft Damper	322.86	57.43
23 33 13 23-0298	EA	24" x 40" Vertically Mounted Backdraft Damper	341.51	60.26
23 33 13 23-0299	EA	40" x 24" Vertically Mounted Backdraft Damper	341.51	60.26
23 33 13 23-0300	EA	48" x 20" Vertically Mounted Backdraft Damper	341.51	60.26
23 33 13 23-0301	EA	50" x 20" Vertically Mounted Backdraft Damper	218.87	17.24
23 33 13 23-0302	EA	28" x 36" Vertically Mounted Backdraft Damper	233.13	21.56
23 33 13 23-0303	EA	36" x 28" Vertically Mounted Backdraft Damper	237.45	22.94
23 33 13 23-0304	EA	32" x 32" Vertically Mounted Backdraft Damper	248.74	25.86
23 33 13 23-0305	EA	24" x 44" Vertically Mounted Backdraft Damper	243.64	28.71
23 33 13 23-0306	EA	44" x 24" Vertically Mounted Backdraft Damper	252.26	31.56
23 33 13 23-0307	EA	28" x 40" Vertically Mounted Backdraft Damper	270.42	34.49
23 33 13 23-0308	EA	40" x 28" Vertically Mounted Backdraft Damper	279.03	37.34
23 33 13 23-0309	EA	24" x 48" Vertically Mounted Backdraft Damper	292.44	40.18
23 33 13 23-0310	EA	32" x 36" Vertically Mounted Backdraft Damper	301.06	43.11
23 33 13 23-0311	EA	36" x 32" Vertically Mounted Backdraft Damper	309.68	45.95
23 33 13 23-0312	EA	48" x 24" Vertically Mounted Backdraft Damper	318.30	48.80
23 33 13 23-0313	EA	50" x 24" Vertically Mounted Backdraft Damper	334.08	51.65
23 33 13 23-0314	EA	28" x 44" Vertically Mounted Backdraft Damper	347.46	54.58
23 33 13 23-0315	EA	44" x 28" Vertically Mounted Backdraft Damper	347.46	54.58
23 33 13 23-0316	EA	32" x 40" Vertically Mounted Backdraft Damper	363.25	57.43
23 33 13 23-0317	EA	40" x 32" Vertically Mounted Backdraft Damper	246.86	18.62
23 33 13 23-0318	EA	36" x 36" Vertically Mounted Backdraft Damper	262.17	22.94
23 33 13 23-0319	EA	28" x 48" Vertically Mounted Backdraft Damper	277.93	25.86
23 33 13 23-0320	EA	48" x 28" Vertically Mounted Backdraft Damper	286.56	28.71
23 33 13 23-0321	EA	50" x 28" Vertically Mounted Backdraft Damper	303.53	31.56
23 33 13 23-0322	EA	32" x 44" Vertically Mounted Backdraft Damper	313.35	34.49
23 33 13 23-0323	EA	44" x 32" Vertically Mounted Backdraft Damper	313.35	34.49
23 33 13 23-0324	EA	36" x 40" Vertically Mounted Backdraft Damper	327.33	37.34
23 33 13 23-0325	EA	40" x 36" Vertically Mounted Backdraft Damper	322.52	43.11
23 33 13 23-0326	EA	28" x 52" Vertically Mounted Backdraft Damper	333.28	45.95
23 33 13 23-0327	EA	32" x 48" Vertically Mounted Backdraft Damper	352.63	48.80
23 33 13 23-0328	EA	48" x 32" Vertically Mounted Backdraft Damper	361.26	51.65
23 33 13 23-0329	EA	28" x 56" Vertically Mounted Backdraft Damper	374.18	54.58
23 33 13 23-0330	EA	36" x 44" Vertically Mounted Backdraft Damper	376.33	54.58
23 33 13 23-0331	EA	44" x 36" Vertically Mounted Backdraft Damper	384.95	57.43
23 33 13 23-0332	EA	40" x 40" Vertically Mounted Backdraft Damper	387.09	57.43
23 33 13 23-0333	EA	50" x 32" Vertically Mounted Backdraft Damper	275.00	20.09
23 33 13 23-0334	EA	32" x 52" Vertically Mounted Backdraft Damper	292.22	22.94
23 33 13 23-0335	EA	28" x 60" Vertically Mounted Backdraft Damper	302.97	25.86
23 33 13 23-0336	EA	36" x 48" Vertically Mounted Backdraft Damper	318.05	28.71
23 33 13 23-0337	EA	48" x 36" Vertically Mounted Backdraft Damper	326.67	31.56
23 33 13 23-0338	EA	40" x 44" Vertically Mounted Backdraft Damper	339.59	34.49
23 33 13 23-0339	EA	44" x 40" Vertically Mounted Backdraft Damper	348.20	37.34
23 33 13 23-0340	EA	32" x 56" Vertically Mounted Backdraft Damper	361.12	40.18
23 33 13 23-0341	EA	50" x 36" Vertically Mounted Backdraft Damper	343.98	43.11
23 33 13 23-0342	EA	36" x 52" Vertically Mounted Backdraft Damper	369.81	48.80
23 33 13 23-0343	EA	32" x 60" Vertically Mounted Backdraft Damper	384.16	51.65
23 33 13 23-0344	EA	40" x 48" Vertically Mounted Backdraft Damper	392.78	54.58
23 33 13 23-0345	EA	48" x 40" Vertically Mounted Backdraft Damper	392.78	54.58
23 33 13 23-0346	EA	44" x 44" Vertically Mounted Backdraft Damper	403.31	57.43
23 33 13 23-0347	EA	40" x 50" Vertically Mounted Backdraft Damper	419.57	60.26
23 33 13 23-0348	EA	50" x 40" Vertically Mounted Backdraft Damper	419.57	60.26
23 33 13 23-0349	EA	36" x 56" Vertically Mounted Backdraft Damper	300.76	20.09
23 33 13 23-0350	EA	32" x 64" Vertically Mounted Backdraft Damper	321.82	25.86
23 33 13 23-0351	EA	44" x 48" Vertically Mounted Backdraft Damper	338.08	28.71
23 33 13 23-0352	EA	48" x 44" Vertically Mounted Backdraft Damper	346.70	31.56
23 33 13 23-0353	EA	36" x 60" Vertically Mounted Backdraft Damper	361.06	34.49
23 33 13 23-0354	EA	32" x 68" Vertically Mounted Backdraft Damper	371.58	37.34
23 33 13 23-0355	EA	44" x 50" Vertically Mounted Backdraft Damper	350.27	40.18
23 33 13 23-0356	EA	50" x 44" Vertically Mounted Backdraft Damper	358.89	43.11
23 33 13 23-0357	EA	32" x 72" Vertically Mounted Backdraft Damper	378.36	45.95
23 33 13 23-0358	EA	36" x 64" Vertically Mounted Backdraft Damper	386.98	48.80

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0359	EA	48" x 48" Vertically Mounted Backdraft Damper	395.61	51.65
23 33 13 23-0360	EA	48" x 50" Vertically Mounted Backdraft Damper	414.24	54.58
23 33 13 23-0361	EA	50" x 48" Vertically Mounted Backdraft Damper	422.86	57.43
23 33 13 23-0362	EA	36" x 68" Vertically Mounted Backdraft Damper	427.87	57.43
23 33 13 23-0363	EA	50" x 50" Vertically Mounted Backdraft Damper	441.92	60.26
23 33 13 23-0364	EA	36" x 72" Vertically Mounted Backdraft Damper	451.52	60.26

23 33 13 23-0365 Backdraft Damper Accessories *(23 33 13 23)*

23 33 13 23-0366	EA	For Motor Pack For Horizontally Mounted Backdraft Damper	117.86	20.61
23 33 13 23-0367	EA	For Motor Pack For Vertically Mounted Backdraft Damper	188.21	20.61

23 33 13 29 Barometric Dampers *(23 33 13)*

23 33 13 29-0001	EA	6" x 6" Barometric Damper	116.58	6.90
23 33 13 29-0002	EA	12" x 12" Barometric Damper	166.96	9.48
23 33 13 29-0003	EA	18" x 18" Barometric Damper	230.12	14.66
23 33 13 29-0004	EA	24" x 24" Barometric Damper	304.37	27.58
23 33 13 29-0005	EA	6" Diameter Barometric Damper	66.63	6.90
		For Stainless Steel, Add	*51.84*	
23 33 13 29-0006	EA	7" Diameter Barometric Damper	78.42	7.76
		For Stainless Steel, Add	*61.59*	
23 33 13 29-0007	EA	8" Diameter Barometric Damper	91.02	8.62
		For Stainless Steel, Add	*71.42*	
23 33 13 29-0008	EA	9" Diameter Barometric Damper	107.53	8.62
		For Stainless Steel, Add	*90.48*	
23 33 13 29-0009	EA	10" Diameter Barometric Damper	134.60	10.35
		For Stainless Steel, Add	*123.27*	
23 33 13 29-0010	EA	12" Diameter Barometric Damper	166.63	11.20
		For Stainless Steel, Add	*158.99*	
23 33 13 29-0011	EA	14" Diameter Barometric Damper	204.46	12.07
		For Stainless Steel, Add	*202.76*	
23 33 13 29-0012	EA	15" Diameter Barometric Damper	240.98	12.93
		For Stainless Steel, Add	*243.71*	
23 33 13 29-0013	EA	16" Diameter Barometric Damper	276.35	14.66
		For Stainless Steel, Add	*284.56*	
23 33 13 29-0014	EA	18" Diameter Barometric Damper	354.51	15.51
		For Stainless Steel, Add	*380.19*	
23 33 13 29-0015	EA	20" Diameter Barometric Damper	417.51	17.24
		For Stainless Steel, Add	*455.07*	
23 33 13 29-0016	EA	24" Diameter Barometric Damper	495.91	17.24
		For Stainless Steel, Add	*552.99*	
23 33 13 29-0017	EA	30" Diameter Barometric Damper	604.88	19.82
		For Stainless Steel, Add	*685.49*	
23 33 13 29-0018	EA	36" Diameter Barometric Damper	759.61	20.69
		For Stainless Steel, Add	*881.34*	

23 33 13 33 Splitter Damper Hardware *(23 33 13)*

23 33 13 33-0001	EA	Splitter Damper, Hardware	26.21	6.03

23 33 13 43 Blower Check Valve *(23 33 13)*

23 33 13 43-0001 Blower Check Valves With Silicone Seals *(23 33 13 43)*

23 33 13 43-0002	EA	2-1/2" Blower Check Valves, Silicone Seals	283.26	22.24
23 33 13 43-0003	EA	3" Blower Check Valves, Silicone Seals	315.80	25.35
23 33 13 43-0004	EA	4" Blower Check Valves, Silicone Seals	404.67	33.62
23 33 13 43-0005	EA	5" Blower Check Valves, Silicone Seals	566.14	38.80
23 33 13 43-0006	EA	6" Blower Check Valves, Silicone Seals	631.50	46.56
23 33 13 43-0007	EA	8" Blower Check Valves, Silicone Seals	950.82	58.98

23 33 13 43-0008 Blower Check Valves With Viton Seats *(23 33 13 43)*

23 33 13 43-0009	EA	2-1/2" Blower Check Valves, Viton Seats	399.50	22.24
23 33 13 43-0010	EA	3" Blower Check Valves, Viton Seats	453.96	25.35
23 33 13 43-0011	EA	4" Blower Check Valves, Viton Seats	500.86	33.62
23 33 13 43-0012	EA	5" Blower Check Valves, Viton Seats	710.15	38.80
23 33 13 43-0013	EA	6" Blower Check Valves, Viton Seats	790.48	46.56
23 33 13 43-0014	EA	8" Blower Check Valves, Viton Seats	1,232.04	58.98

23 33 19 Duct Sound Trap *(23 33)*

23 33 19 00-0001 36" Long Packaged Duct Sound Trap *(23 33 19)*

23 33 19 00-0002	EA	12" x 12" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	216.82	35.35
23 33 19 00-0003	EA	12" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	258.38	40.51
23 33 19 00-0004	EA	12" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	326.08	46.55
23 33 19 00-0005	EA	12" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	390.13	52.58
23 33 19 00-0006	EA	24" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	366.73	52.58
23 33 19 00-0007	EA	24" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	451.70	55.17
23 33 19 00-0008	EA	24" x 30" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	495.44	58.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 19 00-0009	EA	24" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	540.91	62.06
23 33 19 00-0010	EA	24" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	692.61	70.68
23 33 19 00-0011	EA	36" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	454.12	58.62
23 33 19 00-0012	EA	36" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	600.32	70.68
23 33 19 00-0013	EA	36" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,018.99	94.82
23 33 19 00-0014	EA	36" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,119.67	100.00
23 33 19 00-0015	EA	48" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,245.12	107.75
23 33 19 00-0016	EA	48" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,393.13	117.23

23 33 19 00-0017 60" Long Packaged Duct Sound Trap *(23 33 19)*

23 33 19 00-0018	EA	12" x 12" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	241.26	77.58
23 33 19 00-0019	EA	12" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	288.43	89.65
23 33 19 00-0020	EA	12" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	364.98	103.44
23 33 19 00-0021	EA	12" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	436.64	116.37
23 33 19 00-0022	EA	24" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	410.03	116.37
23 33 19 00-0023	EA	24" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	507.71	123.27
23 33 19 00-0024	EA	24" x 30" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	554.45	129.30
23 33 19 00-0025	EA	24" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	602.50	136.20
23 33 19 00-0026	EA	24" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	776.80	155.16
23 33 19 00-0027	EA	36" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	507.49	129.30
23 33 19 00-0028	EA	36" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	671.92	155.16
23 33 19 00-0029	EA	36" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,136.22	204.30
23 33 19 00-0030	EA	36" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,263.57	221.53
23 33 19 00-0031	EA	48" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,395.32	235.33
23 33 19 00-0032	EA	48" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,566.00	258.60

23 33 19 00-0033 84" Long Packaged Duct Sound Trap *(23 33 19)*

23 33 19 00-0034	EA	6" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	206.00	64.65
23 33 19 00-0035	EA	6" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	342.66	96.54
23 33 19 00-0036	EA	6" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	482.48	141.37
23 33 19 00-0037	EA	12" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	271.00	77.58
23 33 19 00-0038	EA	12" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	332.26	89.65
23 33 19 00-0039	EA	12" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	436.99	103.44
23 33 19 00-0040	EA	12" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	508.11	111.20
23 33 19 00-0041	EA	12" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	553.35	119.82
23 33 19 00-0042	EA	12" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	681.25	129.30
23 33 19 00-0043	EA	12" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	797.12	141.37
23 33 19 00-0044	EA	24" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	487.60	119.82
23 33 19 00-0045	EA	24" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	661.94	124.99
23 33 19 00-0046	EA	24" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	717.25	129.30
23 33 19 00-0047	EA	24" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	777.82	136.20
23 33 19 00-0048	EA	24" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	958.04	146.55
23 33 19 00-0049	EA	24" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,036.65	155.16

23 33 23 Duct Turning Vanes *(23 33)*

23 33 23 00-0001 Duct Turning Vane Components *(23 33 23)*

23 33 23 00-0002	LF	Duct Turning Vane Rail	5.96	2.15
		For Stainless Steel, Add	*1.94*	
23 33 23 00-0003	LF	Double Thick Factory Fabricated, Duct Turning Vane	4.03	0.87
		For Stainless Steel, Add	*2.91*	

23 33 23 00-0004 Duct Turning Vane Sets *(23 33 23)*

Note: Measured from inside corner to outside corner of ductwork.

23 33 23 00-0005	LF	12" High Duct Turning Vanes, Sets	14.32	3.23
		For Stainless Steel, Add	*13.36*	
23 33 23 00-0006	LF	14" High Duct Turning Vanes, Sets	17.31	3.45
		For Stainless Steel, Add	*16.90*	
23 33 23 00-0007	LF	16" High Duct Turning Vanes, Sets	22.76	3.62
		For Stainless Steel, Add	*23.66*	
23 33 23 00-0008	LF	18" High Duct Turning Vanes, Sets	28.25	3.88
		For Stainless Steel, Add	*30.42*	
23 33 23 00-0009	LF	20" High Duct Turning Vanes, Sets	31.17	4.14
		For Stainless Steel, Add	*33.80*	
23 33 23 00-0010	LF	22" High Duct Turning Vanes, Sets	38.65	3.88
		For Stainless Steel, Add	*43.95*	
23 33 23 00-0011	LF	24" High Duct Turning Vanes, Sets	47.36	4.57
		For Stainless Steel, Add	*54.09*	
23 33 23 00-0012	LF	26" High Duct Turning Vanes, Sets	50.71	4.77
		For Stainless Steel, Add	*58.16*	
23 33 23 00-0013	LF	30" High Duct Turning Vanes, Sets	56.31	4.96
		For Stainless Steel, Add	*65.13*	

23 33 33 Duct-Mounting Access Doors *(23 33)*

23 33 33 00-0001 Duct Access Doors, Insulated Factory Fabrication *(23 33 33)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 33 00-0002	EA	6" x 6" Duct Access Doors Insulated Factory Fabrication	65.63	12.07
		For Stainless Steel, Add	*34.28*	
23 33 33 00-0003	EA	10" x 10" Duct Access Doors Insulated Factory Fabrication	69.23	12.07
		For Stainless Steel, Add	*41.48*	
23 33 33 00-0004	EA	12" x 12" Duct Access Doors Insulated Factory Fabrication	70.99	12.07
		For Stainless Steel, Add	*45.00*	
23 33 33 00-0005	EA	12" x 18" Duct Access Doors Insulated Factory Fabrication	91.40	14.66
		For Stainless Steel, Add	*63.44*	
23 33 33 00-0006	EA	16" x 12" Duct Access Doors Insulated Factory Fabrication	92.12	14.66
		For Stainless Steel, Add	*64.88*	
23 33 33 00-0007	EA	18" x 18" Duct Access Doors Insulated Factory Fabrication	114.91	19.82
		For Stainless Steel, Add	*74.66*	
23 33 33 00-0008	EA	24" x 18" Duct Access Doors Insulated Factory Fabrication	137.18	24.14
		For Stainless Steel, Add	*80.40*	
23 33 33 00-0009	EA	24" x 24" Duct Access Doors Insulated Factory Fabrication	178.66	32.76
		For Stainless Steel, Add	*98.72*	

23 33 43 Flexible Duct Connectors *(23 33)*

23 33 43 00-0001	LF	Flex Duct Connector, Fabric/Sheet Metal	10.06	2.59
23 33 43 00-0002	LF	Flex Duct Connector, Rubber Vinyl	9.81	2.33

23 33 46 Flexible Ducts *(23 33)*

23 33 46 00-0001 Flexible Duct, R4.2 Insulated With Metallized Outer Jacket *(23 33 46)*

Note: Polyester inner liner encapsulating a corrosion resistant steel wire helix, supporting a blanket of fiberglass insulation over a fiberglass scrim and a bi-directional reinforced metallized outer vapor barrier jacket.

23 33 46 00-0002	LF	4" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket	4.85	0.87
23 33 46 00-0003	LF	5" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket	5.45	1.72
23 33 46 00-0004	LF	6" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket	6.36	1.72
23 33 46 00-0005	LF	7" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket	7.43	1.72
23 33 46 00-0006	LF	8" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket	9.02	2.59
23 33 46 00-0007	LF	10" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket	11.48	2.59
23 33 46 00-0008	LF	12" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket	15.70	3.45
23 33 46 00-0009	LF	14" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket	19.41	3.45
23 33 46 00-0010	LF	16" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket	25.42	4.31

23 33 46 00-0011 Collars, Sheet Metal Spin-In Type With Damper *(23 33 46)*

23 33 46 00-0012	EA	Up To 4" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	30.98	5.17
		For Stainless Steel, Add	*15.05*	
23 33 46 00-0013	EA	5" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	33.90	6.03
		For Stainless Steel, Add	*15.25*	
23 33 46 00-0014	EA	6" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	38.80	6.03
		For Stainless Steel, Add	*16.82*	
23 33 46 00-0015	EA	7" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	44.39	7.76
		For Stainless Steel, Add	*17.36*	
23 33 46 00-0016	EA	8" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	53.87	9.48
		For Stainless Steel, Add	*19.60*	
23 33 46 00-0017	EA	10" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	62.92	11.20
		For Stainless Steel, Add	*24.17*	
23 33 46 00-0018	EA	12" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	71.75	12.93
		For Stainless Steel, Add	*26.04*	
23 33 46 00-0019	EA	14" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	84.56	14.66
		For Stainless Steel, Add	*32.60*	
23 33 46 00-0020	EA	16" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	92.09	16.38
		For Stainless Steel, Add	*35.67*	

23 33 53 Duct Liners *(23 33)*

23 33 53 00-0001 Fiberglass Duct Liner Board, Rigid, Acoustical Insulation *(23 33 53)*

23 33 53 00-0002	SF	1/2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	9.09	2.47
23 33 53 00-0003	SF	3/4" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	9.93	2.47
23 33 53 00-0004	SF	1" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	11.03	3.28
23 33 53 00-0005	SF	1-1/2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	13.51	3.28
23 33 53 00-0006	SF	2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	16.30	3.69
23 33 53 00-0007	SF	1/2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	8.44	2.59
23 33 53 00-0008	SF	3/4" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	9.23	2.59
23 33 53 00-0009	SF	1" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	10.29	3.45
23 33 53 00-0010	SF	1-1/2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	12.52	3.45
23 33 53 00-0011	SF	2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	15.16	3.88

23 33 53 00-0012 Fiberglass Duct Liner Blanket, Flexible, Acoustical Insulation *(23 33 53)*

23 33 53 00-0013	SF	1/2", R2, 2 LB/CF, T200, Fiberglass Duct Liner Blanket	1.76	2.07
23 33 53 00-0014	SF	1", R3.8, 1.5 LB/CF, T150, Fiberglass Duct Liner Blanket	1.98	2.33
23 33 53 00-0015	SF	1", R4.1, 2 LB/CF, T200, Fiberglass Duct Liner Blanket	2.56	2.33
23 33 53 00-0016	SF	1", R4.3, 3 LB/CF, T300, Fiberglass Duct Liner Blanket	3.32	2.33
23 33 53 00-0017	SF	1-1/2", T150, 1.5 LB/CF, Fiberglass Duct Liner Blanket	2.76	2.59
23 33 53 00-0018	SF	2", R7.7, 1.5 LB/CF, T150 Fiberglass Duct Liner Blanket	2.93	2.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 53 00-0019	SF	2", R8, 2 LB/CF, T200 Fiberglass Duct Liner Blanket	4.56	2.85

23 33 56 Duct Air Extractors *(23 33)*

23 33 56 00-0001	EA	12" x 4" Duct Air Extractor	50.69	14.22
		For Stainless Steel, Add	*28.91*	
23 33 56 00-0002	EA	8" x 6" Duct Air Extractor	53.28	15.51
		For Stainless Steel, Add	*28.91*	
23 33 56 00-0003	EA	12" x 6" Duct Air Extractor	63.53	16.38
		For Stainless Steel, Add	*40.00*	
23 33 56 00-0004	EA	16" x 6" Duct Air Extractor	73.52	17.24
		For Stainless Steel, Add	*50.75*	
23 33 56 00-0005	EA	24" x 6" Duct Air Extractor	102.38	18.97
		For Stainless Steel, Add	*83.79*	
23 33 56 00-0006	EA	12" x 8" Duct Air Extractor	68.98	17.24
		For Stainless Steel, Add	*44.85*	
23 33 56 00-0007	EA	20" x 8" Duct Air Extractor	93.03	21.55
		For Stainless Steel, Add	*64.91*	
23 33 56 00-0008	EA	18" x 10" Duct Air Extractor	98.16	24.56
		For Stainless Steel, Add	*63.73*	
23 33 56 00-0009	EA	24" x 10" Duct Air Extractor	121.30	28.87
		For Stainless Steel, Add	*82.62*	
23 33 56 00-0010	EA	24" x 12" Duct Air Extractor	137.05	34.48
		For Stainless Steel, Add	*88.52*	
23 33 56 00-0011	EA	30" x 12" Duct Air Extractor	171.53	43.10
		For Stainless Steel, Add	*110.93*	

23 33 59 Duct Pressure Relief Doors *(23 33)*

23 33 59 00-0001 Duct Pressure Relief Doors *(23 33 59)*

23 33 59 00-0002	EA	18" x 18" Duct Pressure Relief Door (Ruskin PRD18)	650.32	25.86
23 33 59 00-0003	EA	24" x 10" Duct Pressure Relief Door (Ruskin PRD18)	534.64	21.55
23 33 59 00-0004	EA	24" x 12" Duct Pressure Relief Door (Ruskin PRD18)	532.33	23.71

23 34 HVAC Fans *(23 30)*

23 34 13 Axial HVAC Fans *(23 34)*

23 34 13 00-0001 Tube-Axial Fans *(23 34 13)*

23 34 13 00-0002 Direct Drive Tube-Axial Duct Fans *(23 34 13 00-0001)*

23 34 13 00-0003	EA	12" Direct Drive Axial Flow Fan, 1/6 HP 1,060 CFM Constant Speed, 1/8" Static Pressure	1,139.62	264.34
		For 1/4" Static Pressure, Add	*48.83*	
		For 3/8" Static Pressure, Add	*97.67*	
		For 1/2" Static Pressure, Add	*134.29*	
23 34 13 00-0004	EA	12" Direct Drive Axial Flow Fan, 1/2 HP 2,095 CFM Constant Speed, 1/8" Static Pressure	1,183.22	265.14
		For 1/4" Static Pressure, Add	*52.32*	
		For 3/8" Static Pressure, Add	*104.64*	
		For 1/2" Static Pressure, Add	*143.88*	
23 34 13 00-0005	EA	16" Direct Drive Axial Flow Fan, 1/3 HP 2,490 CFM Constant Speed, 1/8" Static Pressure	1,270.42	264.34
		For 1/4" Static Pressure, Add	*59.30*	
		For 3/8" Static Pressure, Add	*118.59*	
		For 1/2" Static Pressure, Add	*163.07*	
23 34 13 00-0006	EA	20" Direct Drive Axial Flow Fan, 3/4 HP 4,130 CFM Constant Speed, 1/8" Static Pressure	1,357.62	265.14
		For 1/4" Static Pressure, Add	*66.27*	
		For 3/8" Static Pressure, Add	*132.55*	
		For 1/2" Static Pressure, Add	*182.25*	
23 34 13 00-0007	EA	22" Direct Drive Axial Flow Fan, 3/4 HP 4,700 CFM Constant Speed, 1/8" Static Pressure	1,594.27	317.53
		For 1/4" Static Pressure, Add	*76.74*	
		For 3/8" Static Pressure, Add	*153.48*	
		For 1/2" Static Pressure, Add	*211.03*	
23 34 13 00-0008	EA	24" Direct Drive Axial Flow Fan, 1 HP 5,850 CFM Constant Speed, 1/8" Static Pressure	1,823.90	345.31
		For 1/4" Static Pressure, Add	*90.69*	
		For 3/8" Static Pressure, Add	*181.38*	
		For 1/2" Static Pressure, Add	*249.40*	
23 34 13 00-0009	EA	24" Direct Drive Axial Flow Fan, 1-1/2 HP 7,925 CFM Constant Speed, 1/8" Static Pressure	1,933.24	377.86
		For 1/4" Static Pressure, Add	*94.18*	
		For 3/8" Static Pressure, Add	*188.36*	
		For 1/2" Static Pressure, Add	*258.99*	
23 34 13 00-0010	EA	30" Direct Drive Axial Flow Fan, 1 HP 10,640 CFM Constant Speed, 1/8" Static Pressure	2,189.04	396.91
		For 1/4" Static Pressure, Add	*111.62*	
		For 3/8" Static Pressure, Add	*223.24*	
		For 1/2" Static Pressure, Add	*306.95*	
23 34 13 00-0011	EA	30" Direct Drive Axial Flow Fan, 2-1/2 HP 14,765 CFM Constant Speed, 1/8" Static Pressure	2,649.11	496.14
		For 1/4" Static Pressure, Add	*132.55*	
		For 3/8" Static Pressure, Add	*265.09*	
		For 1/2" Static Pressure, Add	*364.50*	
23 34 13 00-0012	EA	36" Direct Drive Axial Flow Fan, 2 HP 16,780 CFM Constant Speed, 1/8" Static Pressure	2,976.86	529.48
		For 1/4" Static Pressure, Add	*153.47*	
		For 3/8" Static Pressure, Add	*306.95*	
		For 1/2" Static Pressure, Add	*422.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 13 00-0013	EA	36" Direct Drive Axial Flow Fan, 5 HP 22,920 CFM Constant Speed, 1/8" Static Pressure	3,488.50	610.45
		For 1/4" Static Pressure, Add	*181.38*	
		For 3/8" Static Pressure, Add	*362.76*	
		For 1/2" Static Pressure, Add	*498.79*	

23 34 13 00-0014 Belt Drive Tube-Axial Duct Fans *(23 34 13 00-0001)*

23 34 13 00-0015	EA	15" Belt Drive Axial Flow Fan, 1/3 HP 2,800 CFM Constant Speed, 1/8" Static Pressure	1,083.20	256.41
		For 1/4" Static Pressure, Add	*45.68*	
		For 3/8" Static Pressure, Add	*91.37*	
		For 1/2" Static Pressure, Add	*125.63*	
23 34 13 00-0016	EA	15" Belt Drive Axial Flow Fan, 1/2 HP 3,400 CFM Constant Speed, 1/8" Static Pressure	1,145.36	265.14
		For 1/4" Static Pressure, Add	*49.29*	
		For 3/8" Static Pressure, Add	*98.58*	
		For 1/2" Static Pressure, Add	*135.55*	
23 34 13 00-0017	EA	18" Belt Drive Axial Flow Fan, 1/3 HP 3,280 CFM Constant Speed, 1/8" Static Pressure	1,183.64	273.87
		For 1/4" Static Pressure, Add	*50.89*	
		For 3/8" Static Pressure, Add	*101.79*	
		For 1/2" Static Pressure, Add	*139.96*	
23 34 13 00-0018	EA	18" Belt Drive Axial Flow Fan, 1/2 HP 3,900 CFM Constant Speed, 1/8" Static Pressure	1,249.95	283.40
		For 1/4" Static Pressure, Add	*54.64*	
		For 3/8" Static Pressure, Add	*109.27*	
		For 1/2" Static Pressure, Add	*150.25*	
23 34 13 00-0019	EA	18" Belt Drive Axial Flow Fan, 1 HP 5,250 CFM Constant Speed, 1/8" Static Pressure	1,397.85	294.50
		For 1/4" Static Pressure, Add	*64.79*	
		For 3/8" Static Pressure, Add	*129.57*	
		For 1/2" Static Pressure, Add	*178.16*	
23 34 13 00-0020	EA	24" Belt Drive Axial Flow Fan, 1/2 HP 4,800 CFM Constant Speed, 1/8" Static Pressure	1,472.23	305.62
		For 1/4" Static Pressure, Add	*68.93*	
		For 3/8" Static Pressure, Add	*137.86*	
		For 1/2" Static Pressure, Add	*189.55*	
23 34 13 00-0021	EA	24" Belt Drive Axial Flow Fan, 1 HP 6,430 CFM Constant Speed, 1/8" Static Pressure	1,636.91	317.53
		For 1/4" Static Pressure, Add	*80.15*	
		For 3/8" Static Pressure, Add	*160.30*	
		For 1/2" Static Pressure, Add	*220.41*	
23 34 13 00-0022	EA	24" Belt Drive Axial Flow Fan, 2 HP 8,860 CFM Constant Speed, 1/8" Static Pressure	1,827.73	317.53
		For 1/4" Static Pressure, Add	*95.50*	
		For 3/8" Static Pressure, Add	*190.99*	
		For 1/2" Static Pressure, Add	*262.61*	
23 34 13 00-0023	EA	30" Belt Drive Axial Flow Fan, 1 HP 9,250 CFM Constant Speed, 1/8" Static Pressure	2,108.38	345.31
		For 1/4" Static Pressure, Add	*113.54*	
		For 3/8" Static Pressure, Add	*227.09*	
		For 1/2" Static Pressure, Add	*312.25*	
23 34 13 00-0024	EA	30" Belt Drive Axial Flow Fan, 5 HP 16,900 CFM Constant Speed, 1/8" Static Pressure	2,503.62	418.34
		For 1/4" Static Pressure, Add	*133.58*	
		For 3/8" Static Pressure, Add	*267.16*	
		For 1/2" Static Pressure, Add	*367.35*	
23 34 13 00-0025	EA	30" Belt Drive Axial Flow Fan, 5 HP 16,150 CFM Constant Speed, 1/8" Static Pressure	2,826.84	418.34
		For 1/4" Static Pressure, Add	*159.16*	
		For 3/8" Static Pressure, Add	*318.32*	
		For 1/2" Static Pressure, Add	*437.69*	
23 34 13 00-0026	EA	36" Belt Drive Axial Flow Fan, 3/4 HP 8,090 CFM Constant Speed, 1/8" Static Pressure	3,103.42	441.36
		For 1/4" Static Pressure, Add	*177.71*	
		For 3/8" Static Pressure, Add	*355.42*	
		For 1/2" Static Pressure, Add	*488.71*	
23 34 13 00-0027	EA	36" Belt Drive Axial Flow Fan, 2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure	3,382.91	466.76
		For 1/4" Static Pressure, Add	*196.10*	
		For 3/8" Static Pressure, Add	*392.19*	
		For 1/2" Static Pressure, Add	*539.26*	
23 34 13 00-0028	EA	36" Belt Drive Axial Flow Fan, 7-1/2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure	3,889.15	610.45
		For 1/4" Static Pressure, Add	*213.73*	
		For 3/8" Static Pressure, Add	*427.46*	
		For 1/2" Static Pressure, Add	*587.76*	
23 34 13 00-0029	EA	36" Belt Drive Axial Flow Fan, 5 HP 20,080 CFM Constant Speed, 1/8" Static Pressure	4,400.69	611.24
		For 1/4" Static Pressure, Add	*254.65*	
		For 3/8" Static Pressure, Add	*509.31*	
		For 1/2" Static Pressure, Add	*700.30*	
23 34 13 00-0030	EA	42" Belt Drive Axial Flow Fan, 7-1/2 HP 29,000 CFM Constant Speed, 1/8" Static Pressure	4,984.78	721.43
		For 1/4" Static Pressure, Add	*283.74*	
		For 3/8" Static Pressure, Add	*567.47*	
		For 1/2" Static Pressure, Add	*780.27*	

23 34 16 Centrifugal HVAC Fans *(23 34)*

23 34 16 00-0001 Centrifugal Fans *(23 34 16)*

Note: All belt fans to be supplied with belt guard.

23 34 16 00-0002 Utility Backward Inclined Steel Wheel Centrifugal Fans *(23 34 16 00-0001)*

Note: V-belt driven.

23 34 16 00-0003 Industrial Type Utility Backward Centrifugal Fans *(23 34 16 00-0002)*

Note: Under 30" diameter wheel.

23 34 16 00-0004 12-1/4" Diameter Wheel 650 To 2,950 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*

23 34 16 00-0005	EA	1/6 HP Centrifugal Fan, 12-1/4" Wheel, 450 - 1,750 CFM At 1/8" Static Pressure	1,123.90	174.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0006	EA	1/4 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure	1,650.01	180.99
23 34 16 00-0007	EA	1/3 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure	1,695.39	144.24
23 34 16 00-0008	EA	1/2 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure	1,771.22	197.67
23 34 16 00-0009	EA	3/4 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure	1,810.75	209.57
23 34 16 00-0010	EA	1 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure	1,867.58	218.30
23 34 16 00-0011	EA	1-1/2 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure	1,921.76	232.59
23 34 16 00-0012		13-1/2" Diameter Wheel 734 To 3,343 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*		
23 34 16 00-0013	EA	1/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	1,912.06	190.52
23 34 16 00-0014	EA	1/3 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	1,944.60	197.67
23 34 16 00-0015	EA	1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,005.86	209.57
23 34 16 00-0016	EA	3/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,040.74	218.30
23 34 16 00-0017	EA	1 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,106.09	232.59
23 34 16 00-0018	EA	1-1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,173.00	243.70
23 34 16 00-0019		15" Diameter Wheel 1,258 To 4,146 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*		
23 34 16 00-0020	EA	1/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	1,922.95	197.67
23 34 16 00-0021	EA	1/3 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	1,962.58	209.57
23 34 16 00-0022	EA	1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,019.09	218.30
23 34 16 00-0023	EA	3/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,062.79	232.59
23 34 16 00-0024	EA	1 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,122.50	243.70
23 34 16 00-0025	EA	1-1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,204.29	261.96
23 34 16 00-0026	EA	2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,268.47	275.45
23 34 16 00-0027		16-1/2" Diameter Wheel 977 To 4,711 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*		
23 34 16 00-0028	EA	1/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,211.50	209.57
23 34 16 00-0029	EA	1/3 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,290.50	218.30
23 34 16 00-0030	EA	1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,375.33	232.59
23 34 16 00-0031	EA	3/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,418.23	243.70
23 34 16 00-0032	EA	1 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,472.41	261.96
23 34 16 00-0033	EA	1-1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,519.78	275.45
23 34 16 00-0034	EA	2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,802.13	299.27
23 34 16 00-0035		18-1/4" Diameter Wheel 2,193 To 6,498 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*		
23 34 16 00-0036	EA	1/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,284.25	218.30
23 34 16 00-0037	EA	1/3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,333.35	232.59
23 34 16 00-0038	EA	1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,403.89	243.70
23 34 16 00-0039	EA	3/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,453.22	261.96
23 34 16 00-0040	EA	1 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,528.21	275.45
23 34 16 00-0041	EA	1-1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,639.80	299.27
23 34 16 00-0042	EA	2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,710.57	317.53
23 34 16 00-0043	EA	3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,813.41	349.28
23 34 16 00-0044		20" Diameter Wheel 2,412 To 7,364 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*		
23 34 16 00-0045	EA	1/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,300.89	232.59
23 34 16 00-0046	EA	1/3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,371.40	243.70
23 34 16 00-0047	EA	1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,453.22	261.96
23 34 16 00-0048	EA	3/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,528.21	275.45
23 34 16 00-0049	EA	1 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,672.26	299.27
23 34 16 00-0050	EA	1-1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,882.18	317.53
23 34 16 00-0051	EA	2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,018.43	349.28
23 34 16 00-0052	EA	3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,164.46	373.89
23 34 16 00-0053		22-1/4" Diameter Wheel 2,265 To 8,483 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*		
23 34 16 00-0054	EA	1/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,786.28	243.70
23 34 16 00-0055	EA	1/3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,830.54	261.96
23 34 16 00-0056	EA	1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,897.99	275.45
23 34 16 00-0057	EA	3/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,978.91	299.27
23 34 16 00-0058	EA	1 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,093.86	317.53
23 34 16 00-0059	EA	1-1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,117.63	349.28
23 34 16 00-0060	EA	2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,186.11	373.89
23 34 16 00-0061	EA	3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,308.25	419.14
23 34 16 00-0062		24-1/2" Diameter Wheel 3,055 To 11,380 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*		
23 34 16 00-0063	EA	1/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,369.54	261.96
23 34 16 00-0064	EA	1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,462.31	299.27
23 34 16 00-0065	EA	3/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,565.56	317.53
23 34 16 00-0066	EA	1 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,667.79	349.28
23 34 16 00-0067	EA	1-1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,759.70	373.89
23 34 16 00-0068	EA	2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,827.74	419.14

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0069	EA	3 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,937.09	455.65
23 34 16 00-0070	EA	5 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,202.96	523.92
23 34 16 00-0071		27" Diameter Wheel 2,734 To 13,266 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*		
23 34 16 00-0072	EA	1/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	3,742.16	275.45
23 34 16 00-0073	EA	1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	3,836.14	317.53
23 34 16 00-0074	EA	3/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	3,938.35	349.28
23 34 16 00-0075	EA	1 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,030.28	373.89
23 34 16 00-0076	EA	1-1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,152.42	419.14
23 34 16 00-0077	EA	2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,261.44	455.65
23 34 16 00-0078	EA	3 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,550.31	523.92
23 34 16 00-0079	EA	5 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,561.74	581.87
23 34 16 00-0080		Large Industrial Type Utility Backward Centrifugal Fans *(23 34 16 00-0002)* Note: Over 30" diameter wheel.		
23 34 16 00-0081		30" Diameter Wheel 4,926 To 17,456 CFM At 1/8" Static Pressure *(23 34 16 00-0080)*		
23 34 16 00-0082	EA	1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	5,264.14	349.28
23 34 16 00-0083	EA	3/4 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	5,351.81	373.89
23 34 16 00-0084	EA	1 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	5,483.62	419.14
23 34 16 00-0085	EA	1-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	5,603.45	455.65
23 34 16 00-0086	EA	2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	5,772.27	523.92
23 34 16 00-0087	EA	3 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	5,925.40	581.87
23 34 16 00-0088	EA	5 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,166.75	698.56
23 34 16 00-0089	EA	7-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,390.77	805.73
23 34 16 00-0090		33" Diameter Wheel 5,734 To 19,799 CFM At 1/8" Static Pressure *(23 34 16 00-0080)*		
23 34 16 00-0091	EA	1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	6,194.83	373.89
23 34 16 00-0092	EA	3/4 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	6,371.08	419.14
23 34 16 00-0093	EA	1 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	6,534.54	455.65
23 34 16 00-0094	EA	1-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	6,746.32	523.92
23 34 16 00-0095	EA	2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	6,942.75	581.87
23 34 16 00-0096	EA	3 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,227.37	698.56
23 34 16 00-0097	EA	5 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,558.22	805.73
23 34 16 00-0098	EA	7-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,973.04	1,047.85
23 34 16 00-0099		36-1/2" Diameter Wheel 5,388 To 22,500 CFM At 1/8" Static Pressure *(23 34 16 00-0080)*		
23 34 16 00-0100	EA	1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	5,069.63	419.14
23 34 16 00-0101	EA	3/4 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	5,124.86	455.65
23 34 16 00-0102	EA	1 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	5,228.40	523.92
23 34 16 00-0103	EA	1-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	5,338.41	581.87
23 34 16 00-0104	EA	2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	6,046.16	698.56
23 34 16 00-0105	EA	3 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	6,300.93	805.73
23 34 16 00-0106	EA	5 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	6,762.35	1,047.85
23 34 16 00-0107	EA	7-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	7,254.31	1,309.80
23 34 16 00-0108		Kitchen System Fans *(23 34 16 00-0001)*		
23 34 16 00-0109		Upblast Kitchen Exhaust Fans *(23 34 16 00-0108)*		
23 34 16 00-0110		Direct Drive Kitchen Upblast Exhaust Fans *(23 34 16 00-0109)* Note: Greenheck CUE.		
23 34 16 00-0111	EA	Up To 12" Wheel Diameter, 1/6 HP Direct Drive, Kitchen Upblast Exhaust Fan Note: 115V. For roof or wall installations. Includes disconnect switch.	743.79	103.19
		For Bird Screen, Add	*30.45*	
		For Backdraft Damper, Add	*74.75*	
		For Damper Motor, Add	*116.34*	
23 34 16 00-0112	EA	14" Wheel Diameter, 1/4 HP Direct Drive, Kitchen Upblast Exhaust Fan Note: 115V. For roof or wall installations. Includes disconnect switch.	864.76	103.19
		For Bird Screen, Add	*30.45*	
		For Backdraft Damper, Add	*74.75*	
		For Damper Motor, Add	*116.34*	
23 34 16 00-0113		Belt Drive Kitchen Upblast Exhaust Fans *(23 34 16 00-0109)* Note: Greenheck CUBE.		
23 34 16 00-0114	EA	10" Diameter Wheel, Up To 1/3 HP, 1,458 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	1,246.95	103.19
		For Bird Screen, Add	*30.45*	
		For Wall Mounted Fan, Add	*49.88*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*88.45*	
		For Backdraft Damper, Add	*74.75*	
		For Damper Motor, Add	*116.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0115	EA	12" Diameter Wheel, 1/2 HP, 1,923 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	1,299.45	103.19
		For Bird Screen, Add	*30.45*	
		For Wall Mounted Fan, Add	*51.98*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*92.91*	
		For Backdraft Damper, Add	*74.75*	
		For Damper Motor, Add	*116.34*	
23 34 16 00-0116	EA	14" Diameter Wheel, 1/3 HP, 2,006 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	1,128.55	119.07
		For Bird Screen, Add	*34.65*	
		For Wall Mounted Fan, Add	*45.14*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*75.68*	
		For Backdraft Damper, Add	*84.72*	
		For Damper Motor, Add	*116.34*	
23 34 16 00-0117	EA	14" Diameter Wheel, 1 HP, 2,757 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	1,204.15	119.07
		For Bird Screen, Add	*34.65*	
		For Wall Mounted Fan, Add	*48.17*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*82.11*	
		For Backdraft Damper, Add	*84.72*	
		For Damper Motor, Add	*116.34*	
23 34 16 00-0118	EA	16" Diameter Wheel, 1/2 HP, 2,940 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	1,525.24	138.91
		For Bird Screen, Add	*34.65*	
		For Wall Mounted Fan, Add	*61.01*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*106.03*	
		For Backdraft Damper, Add	*84.72*	
		For Damper Motor, Add	*116.34*	
23 34 16 00-0119	EA	16" Diameter Wheel, 1 HP, 3,129 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	1,606.09	138.91
		For Bird Screen, Add	*34.65*	
		For Wall Mounted Fan, Add	*64.24*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*112.90*	
		For Backdraft Damper, Add	*84.72*	
		For Damper Motor, Add	*116.34*	
23 34 16 00-0120	EA	18" Diameter Wheel, 1/2 HP , 3,243 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	1,748.79	148.84
		For Bird Screen, Add	*57.75*	
		For Wall Mounted Fan, Add	*69.95*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*123.34*	
		For Backdraft Damper, Add	*103.69*	
		For Damper Motor, Add	*116.34*	
23 34 16 00-0121	EA	18" Diameter Wheel, 1 HP , 4,223 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	1,874.79	148.84
		For Bird Screen, Add	*57.75*	
		For Wall Mounted Fan, Add	*74.99*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*134.05*	
		For Backdraft Damper, Add	*103.69*	
		For Damper Motor, Add	*116.34*	
23 34 16 00-0122	EA	20" Diameter Wheel, 3/4 HP, 4,438 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	1,909.33	158.76
		For Bird Screen, Add	*57.75*	
		For Wall Mounted Fan, Add	*76.37*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*135.30*	
		For Backdraft Damper, Add	*103.69*	
		For Damper Motor, Add	*116.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0123	EA	20" Diameter Wheel, 2 HP, 6,450 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	2,086.78	158.76
		For Bird Screen, Add	*57.75*	
		For Wall Mounted Fan, Add	*83.47*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*150.39*	
		For Backdraft Damper, Add	*103.69*	
		For Damper Motor, Add	*116.34*	
23 34 16 00-0124	EA	24" Diameter Wheel, 3/4 HP, 5,460 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	2,401.56	178.61
		For Bird Screen, Add	*68.25*	
		For Wall Mounted Fan, Add	*96.06*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*173.77*	
		For Backdraft Damper, Add	*112.66*	
		For Damper Motor, Add	*116.34*	
23 34 16 00-0125	EA	24" Diameter Wheel, 2 HP, 7,985 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	2,564.31	178.61
		For Bird Screen, Add	*68.25*	
		For Wall Mounted Fan, Add	*102.57*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*187.60*	
		For Backdraft Damper, Add	*112.66*	
		For Damper Motor, Add	*116.34*	
23 34 16 00-0126	EA	30" Diameter Wheel, 3/4 HP, 7,771 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	3,033.46	198.45
		For Bird Screen, Add	*73.50*	
		For Wall Mounted Fan, Add	*121.34*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*224.11*	
		For Backdraft Damper, Add	*124.63*	
		For Damper Motor, Add	*116.34*	
23 34 16 00-0127	EA	30" Diameter Wheel, 2 HP, 10,192 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	3,087.01	198.45
		For Bird Screen, Add	*73.50*	
		For Wall Mounted Fan, Add	*123.48*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*228.66*	
		For Backdraft Damper, Add	*124.63*	
		For Damper Motor, Add	*116.34*	
23 34 16 00-0128	EA	30" Diameter Wheel, 3 HP, 11,903 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	3,358.96	198.45
		For Bird Screen, Add	*73.50*	
		For Wall Mounted Fan, Add	*134.36*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*251.77*	
		For Backdraft Damper, Add	*124.63*	
		For Damper Motor, Add	*116.34*	
23 34 16 00-0129	EA	30" Diameter Wheel, 5 HP, 14,266 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	3,490.21	198.45
		For Bird Screen, Add	*73.50*	
		For Wall Mounted Fan, Add	*139.61*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*262.93*	
		For Backdraft Damper, Add	*124.63*	
		For Damper Motor, Add	*116.34*	
23 34 16 00-0130	EA	36" Diameter Wheel, 3 HP , 14,769 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	3,842.96	218.30
		For Bird Screen, Add	*84.00*	
		For Wall Mounted Fan, Add	*153.72*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*289.54*	
		For Damper Motor, Add	*116.34*	
		For Backdraft Damper, Add	*144.74*	
23 34 16 00-0131	EA	36" Diameter Wheel, 5 HP , 17,884 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	3,993.90	218.30
		For Bird Screen, Add	*84.00*	
		For Wall Mounted Fan, Add	*159.76*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*302.37*	
		For Damper Motor, Add	*116.34*	
		For Backdraft Damper, Add	*144.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0132	EA	42" Diameter Wheel, 3 HP , 17,316 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 230/460/60/3. Includes birdscreen, heat baffle, grease baffle and disconnect switch.	4,037.82	238.15
		For Bird Screen, Add	*84.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*302.73*	
		For Damper Motor, Add	*116.34*	
		For Backdraft Damper, Add	*166.24*	
23 34 16 00-0133	EA	42" Diameter Wheel, 7-1/2 HP , 24,604 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 230/460/60/3. Includes birdscreen, heat baffle, grease baffle and disconnect switch.	4,369.20	238.15
		For Bird Screen, Add	*84.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*330.90*	
		For Damper Motor, Add	*116.34*	
		For Backdraft Damper, Add	*166.24*	

23 34 16 00-0134 Untempered Kitchen Make-Up Air Fans *(23 34 16 00-0108)*

Note: Roof mounted with downblast discharge, weatherhood and filter.

23 34 16 00-0135 Direct Drive Kitchen Make-Up Air Fans *(23 34 16 00-0134)*

23 34 16 00-0136	EA	7" Diameter Wheel, 1/2 HP Direct Drive, Kitchen Make-Up Air Fan Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	824.54	103.19
		For Extended Weatherhood, Add	*144.30*	
23 34 16 00-0137	EA	8" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	863.68	103.19
		For Extended Weatherhood, Add	*150.17*	
23 34 16 00-0138	EA	9" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	911.71	103.19
		For Extended Weatherhood, Add	*157.38*	

23 34 16 00-0139 Belt Drive Kitchen Make-Up Air Fans *(23 34 16 00-0134)*

23 34 16 00-0140	EA	9" Diameter Wheel, 1/2 HP Belt Drive, Kitchen Make-Up Air Fan Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	930.34	103.19
		For Extended Weatherhood, Add	*160.17*	
23 34 16 00-0141	EA	10" Diameter Wheel, 1-1/2 HP Belt Drive, Kitchen Make-Up Air Fan Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,055.21	138.91
		For Extended Weatherhood, Add	*186.06*	
23 34 16 00-0142	EA	12" Diameter Wheel, 2 HP Belt Drive, Kitchen Make-Up Air Fan Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,267.53	158.76
		For Extended Weatherhood, Add	*221.88*	
23 34 16 00-0143	EA	15" Diameter Wheel, 3 HP Belt Drive, Kitchen Make-Up Air Fan Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,476.91	198.45
		For Extended Weatherhood, Add	*261.23*	
23 34 16 00-0144	EA	18" Diameter Wheel, 5 HP Belt Drive, Kitchen Make-Up Air Fan Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,786.26	238.15
		For Extended Weatherhood, Add	*315.57*	

23 34 16 00-0145 Replacement Parts *(23 34 16 00-0001)*

23 34 16 00-0146 Replace Belts And Accessories *(23 34 16 00-0145)*

23 34 16 00-0147	EA	Fan Shaft Bearing, Replacement	585.20	267.24
23 34 16 00-0148	EA	Fan Belt, Replacement	92.84	36.25

23 34 16 00-0149 Corrosive Fume Resistant Plastic *(23 34 16 00-0001)*

23 34 16 00-0150 Centrifugal Roof Ventilators, Belt Drive, 1/4" Static Pressure *(23 34 16 00-0149)*

23 34 16 00-0151	EA	250 CFM, 1/4 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	3,393.91	143.52
		For Explosion Proof Motor, Add	*466.03*	
23 34 16 00-0152	EA	895 CFM, 1/3 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	3,693.76	172.40
		For Explosion Proof Motor, Add	*502.34*	
23 34 16 00-0153	EA	1,630 CFM, 1/2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	4,385.20	215.50
		For Explosion Proof Motor, Add	*593.13*	
23 34 16 00-0154	EA	2,240 CFM, 1 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	4,730.95	287.48
		For Explosion Proof Motor, Add	*623.39*	
23 34 16 00-0155	EA	3,810 CFM, 2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	5,461.79	431.00
		For Explosion Proof Motor, Add	*689.97*	
23 34 16 00-0156	EA	11,760 CFM, 5 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	9,471.01	862.01
		For Explosion Proof Motor, Add	*1,162.05*	
23 34 16 00-0157	EA	18,810 CFM, 10 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	13,802.48	1,232.23
		For Explosion Proof Motor, Add	*1,700.71*	

23 34 16 00-0158 Utility Set, Centrifugal, Belt Drive *(23 34 16 00-0149)*

23 34 16 00-0159	EA	1,200 CFM, 1/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	3,393.91	143.52
		For Explosion Proof Motor, Add	*466.03*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0160	EA	1,520 CFM, 1/3 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	3,492.02	172.40
		For Explosion Proof Motor, Add	*472.08*	
23 34 16 00-0161	EA	1,850 CFM, 1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	3,578.22	215.50
		For Explosion Proof Motor, Add	*472.08*	
23 34 16 00-0162	EA	2,180 CFM, 3/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	3,722.23	287.48
		For Explosion Proof Motor, Add	*472.08*	
23 34 16 00-0163	EA	3,600 CFM, 1 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	5,139.00	431.00
		For Explosion Proof Motor, Add	*641.55*	
23 34 16 00-0164	EA	4,250 CFM, 1-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	5,354.49	538.75
		For Explosion Proof Motor, Add	*641.55*	
23 34 16 00-0165	EA	4,800 CFM, 2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	5,509.98	616.50
		For Explosion Proof Motor, Add	*641.55*	
23 34 16 00-0166	EA	6,920 CFM, 5 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	5,650.69	646.50
		For Explosion Proof Motor, Add	*653.65*	
23 34 16 00-0167	EA	7,700 CFM, 7-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	5,834.71	718.31
		For Explosion Proof Motor, Add	*659.71*	

23 34 16 00-0168 In-Line Duct Fans *(23 34 16 00-0001)*

23 34 16 00-0169 Direct Drive In-Line Duct Fans *(23 34 16 00-0168)*

Note: Greenheck SQ.

23 34 16 00-0170	EA	Up To 10" Wheel Diameter, 1/16 HP Direct Drive, In Line Duct Fan	977.48	103.19
		Note: 115V. Includes disconnect switch.		
23 34 16 00-0171	EA	13" Wheel Diameter, 1/6 HP Direct Drive, In Line Duct Fan	1,244.56	111.14
		Note: 115V. Includes disconnect switch.		
23 34 16 00-0172	EA	14" Wheel Diameter, 1/3 HP Direct Drive, In Line Duct Fan	1,364.12	119.07
		Note: 115V. Includes disconnect switch.		

23 34 16 00-0173 Belt Drive In-Line Duct Fans *(23 34 16 00-0168)*

Note: Greenheck BSQ.

23 34 16 00-0174	EA	Up To 12" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan	1,424.09	119.07
		Note: 115/208-230/60/1. Includes disconnect switch.		
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0175	EA	13" Or 14" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan	1,637.21	138.91
		Note: 115/208-230/60/1. Includes disconnect switch.		
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0176	EA	13" Or 14" Wheel Diameter, 3/4 HP Belt Drive, In Line Duct Fan	1,837.37	138.91
		Note: 115/208-230/60/1. Includes disconnect switch.		
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0177	EA	13" Or 14" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan	2,007.53	138.91
		Note: 115/208-230/60/1. Includes disconnect switch.		
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0178	EA	16" Or 18" Wheel Diameter, 1/3 HP Belt Drive, In Line Duct Fan	1,960.51	158.76
		Note: 115/208-230/60/1. Includes disconnect switch.		
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0179	EA	16" Or 18" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan	2,248.68	158.76
		Note: 115/208-230/60/1. Includes disconnect switch.		
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0180	EA	24" Wheel Diameter, 1 HP Belt Drive, In Line Duct Fan	2,860.72	198.45
		Note: 115/208-230/60/1. Includes disconnect switch.		
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0181	EA	24" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan	3,019.80	198.45
		Note: 230/460/60/3. Includes disconnect switch.		
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0182	EA	24" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan	3,131.94	198.45
		Note: Belt drive. 230/460/60/3. Includes disconnect switch.		
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0183	EA	30 Or 36" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan	3,624.09	238.15
		Note: 230/460/60/3. Includes disconnect switch.		
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0184	EA	30 Or 36" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan	3,757.93	238.15
		Note: 230/460/60/3. Includes disconnect switch.		
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0185	EA	30 Or 36" Wheel Diameter, 7-1/2 HP Belt Drive, In Line Duct Fan	3,922.42	238.15
		Note: 230/460/60/3. Includes disconnect switch.		
		For Totally Enclosed Motor, Add	*85.00*	

23 34 16 00-0186 In-Line Cabinet Fans *(23 34 16 00-0001)*

23 34 16 00-0187	EA	950 CFM, 80 Watts, Direct Drive In-Line Cabinet Fan	278.56	69.46
23 34 16 00-0188	EA	1,050 CFM, 129 Watts, Direct Drive In-Line Cabinet Fan	293.26	69.46
23 34 16 00-0189	EA	1,100 CFM, 173 Watts, Direct Drive In-Line Cabinet Fan	313.21	69.46
23 34 16 00-0190	EA	950 CFM, 48.7 Watts, Direct Drive In-Line Cabinet Fan	312.16	69.46
23 34 16 00-0191	EA	1,100 CFM, 52.5 Watts, Direct Drive In-Line Cabinet Fan	312.16	69.46
23 34 16 00-0192	EA	1,400 CFM, 100 Watts, Direct Drive In-Line Cabinet Fan	343.66	69.46
23 34 16 00-0193	EA	900 CFM, 48.2 Watts, Direct Drive In-Line Cabinet Fan	408.31	73.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0194	EA	1,000 CFM, 82.7 Watts, Direct Drive In-Line Cabinet Fan	352.66	73.42
23 34 16 00-0195	EA	1,050 CFM, 80.7 Watts, Direct Drive In-Line Cabinet Fan	373.66	73.42
23 34 16 00-0196	EA	1,350 CFM, 140 Watts, Direct Drive In-Line Cabinet Fan	387.31	73.42
23 34 16 00-0197	EA	1,000 CFM, 135 Watts, Direct Drive In-Line Cabinet Fan	403.06	73.42
23 34 16 00-0198	EA	1,070 CFM, 217 Watts, Direct Drive In-Line Cabinet Fan	403.06	73.42
23 34 16 00-0199	EA	1,100 CFM, 350 Watts, Direct Drive In-Line Cabinet Fan	638.85	77.39
23 34 16 00-0200	EA	1,080 CFM, 325 Watts, Direct Drive In-Line Cabinet Fan	543.30	77.39
23 34 16 00-0201	EA	1,600 CFM, 405 Watts, Direct Drive In-Line Cabinet Fan	543.30	77.39
23 34 16 00-0202	EA	950 CFM, 328 Watts, Direct Drive In-Line Cabinet Fan	722.85	77.39
23 34 16 00-0203	EA	1,095 CFM, 455 Watts, Direct Drive In-Line Cabinet Fan	722.85	77.39
23 34 16 00-0204	EA	1,450 CFM, 822 Watts, Direct Drive In-Line Cabinet Fan	722.85	77.39
23 34 16 00-0205	EA	1,610 CFM, 830 Watts, Direct Drive In-Line Cabinet Fan	782.70	77.39

23 34 16 00-0206 Propeller And Ceiling Fans *(23 34 16)*

23 34 16 00-0207 Direct Drive, Sidewall Propeller Exhaust Fan *(23 34 16 00-0206)*

Note: Greenheck Model SE1.

23 34 16 00-0208	EA	1/25 HP, 307 CFM At 1/8" Static Pressure, 8" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan Note: Includes motor side guard.	409.54	84.94
		For Backdraft Damper, Add	*80.82*	
		For Wall Mount Collar, Add	*147.95*	
23 34 16 00-0209	EA	1/12 HP, 763 CFM At 1/8" Static Pressure, 10" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan Note: Includes motor side guard.	435.94	94.46
		For Backdraft Damper, Add	*87.78*	
		For Wall Mount Collar, Add	*147.95*	
23 34 16 00-0210	EA	1/8 HP, 1,149 CFM At 1/8" Static Pressure, 12" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan Note: Includes motor side guard.	482.82	104.78
		For Backdraft Damper, Add	*96.75*	
		For Wall Mount Collar, Add	*151.88*	
23 34 16 00-0211	EA	1/6 HP, 1,350 CFM At 1/8" Static Pressure, 14" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	688.54	115.90
		For Backdraft Damper, Add	*114.72*	
		For Wall Mount Collar, Add	*154.78*	
		For Motor Side Guard, Add	*125.54*	
23 34 16 00-0212	EA	1/6 HP, 2,012 CFM At 1/8" Static Pressure, 16" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	727.30	128.60
		For Backdraft Damper, Add	*114.72*	
		For Wall Mount Collar, Add	*158.73*	
		For Motor Side Guard, Add	*133.68*	
23 34 16 00-0213	EA	1/4 HP, 2,908 CFM At 1/8" Static Pressure, 18" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	816.88	142.89
		For Backdraft Damper, Add	*137.69*	
		For Wall Mount Collar, Add	*162.67*	
		For Motor Side Guard, Add	*141.83*	
23 34 16 00-0214	EA	1/3 HP, 3,974 CFM At 1/8" Static Pressure, 20" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	930.67	158.76
		For Backdraft Damper, Add	*137.69*	
		For Wall Mount Collar, Add	*165.57*	
		For Motor Side Guard, Add	*153.12*	

23 34 16 00-0215 Belt Drive Propeller Exhaust Fans *(23 34 16 00-0206)*

Note: Wall shutter 1/8" static pressure, with birdscreen.

23 34 16 00-0216	EA	24" Propeller Exhaust Fan, V-Belt Drive, 5,795 CFM, 1/2 HP, With Wall Shutter	1,423.97	227.03
23 34 16 00-0217	EA	30" Propeller Exhaust Fan, V-Belt Drive, 9,060 CFM, 3/4 HP, With Wall Shutter	1,632.93	264.34
23 34 16 00-0218	EA	36" Propeller Exhaust Fan, V-Belt Drive, 11,850 CFM, 1 HP, With Wall Shutter	1,859.78	317.53
23 34 16 00-0219	EA	42" Propeller Exhaust Fan, V-Belt Drive, 17,400 CFM, 1-1/2 HP, With Wall Shutter	2,570.22	396.91
23 34 16 00-0220	EA	48" Propeller Exhaust Fan, V-Belt Drive, 19,870 CFM, 1-1/2 HP, With Wall Shutter	3,090.00	529.48
23 34 16 00-0221	EA	54" Propeller Exhaust Fan, V-Belt Drive, 26,000 CFM, 2 HP, With Wall Shutter	4,317.04	793.82
23 34 16 00-0222	EA	60" Propeller Exhaust Fan, V-Belt Drive, 35,120 CFM, 3 HP, With Wall Shutter	5,209.42	1,017.67

23 34 16 00-0223 Propeller Exhaust Fan Accessories *(23 34 16 00-0206)*

23 34 16 00-0224	SF	Hinged Mesh Screen For Wall Propeller Fans, 1" x 1" Frame (SF Of Fan Opening)	74.11	
23 34 16 00-0225	SF	Galvanized Weather Hood For Wall Propeller Fan (SF Of Fan Opening)	168.94	

23 34 16 00-0226 Reversible Ceiling Fans *(23 34 16 00-0206)*

23 34 16 00-0227 4 Blade Ceiling Fans *(23 34 16 00-0226)*

23 34 16 00-0228	EA	42" 4-Blade Ceiling Fan, Three Speed	336.56	40.80
		For Brass Plated Motor, Add	*20.25*	
		For Light Kit, Add	*25.68*	

23 34 16 00-0229 5 Blade Ceiling Fans *(23 34 16 00-0226)*

23 34 16 00-0230	EA	42" 5-Blade Ceiling Fan, Three Speed	367.48	100.98
		For Brass Plated Motor, Add	*20.25*	
		For Light Kit, Add	*25.72*	
23 34 16 00-0231	EA	52" 5-Blade Ceiling Fan, Three Speed	418.86	100.98
		For Brass Plated Motor, Add	*20.25*	
		For Light Kit, Add	*25.80*	

23 34 16 00-0232 3 Blade Weatherproof Ceiling Fans *(23 34 16 00-0226)*

23 34 16 00-0233	EA	3-Blade Ceiling Fan, Weatherproof, Three Speed	347.82	39.30

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0234		**Ceiling Fan Down Rod** *(23 34 16 00-0226)*		
23 34 16 00-0235	EA	1' Ceiling Fan Down Rod	13.72	
23 34 16 00-0236	EA	1-1/2' Ceiling Fan Down Rod	17.44	
23 34 16 00-0237	EA	2' Ceiling Fan Down Rod	19.30	
23 34 16 00-0238	EA	3' Ceiling Fan Down Rod	25.28	
23 34 16 00-0239	EA	4' Ceiling Fan Down Rod	29.43	
23 34 16 00-0240	EA	5' Ceiling Fan Down Rod	35.79	
23 34 16 00-0241	EA	6' Ceiling Fan Down Rod	44.31	
23 34 16 00-0242		**Explosion Proof Industrial Blowers** *(23 34 16 00-0206)*		
23 34 16 00-0243	EA	355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, Explosion Proof	2,837.78	
23 34 16 00-0244	EA	355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, Explosion Proof	3,111.92	
23 34 16 00-0245	EA	355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, Explosion Proof	4,125.13	
23 34 16 00-0246	EA	355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, Explosion Proof	4,313.86	
23 34 16 00-0247	EA	355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, TEFC Motor Enclosure	2,591.44	
23 34 16 00-0248	EA	355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, TEFC Motor Enclosure	2,755.97	
23 34 16 00-0249	EA	355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, TEFC Motor Enclosure	3,762.36	
23 34 16 00-0250	EA	355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, TEFC Motor Enclosure	4,072.79	
23 34 16 00-0251		**Exhaust Fans** *(23 34 16)*		
23 34 16 00-0252		**Exhaust Fans** *(23 34 16 00-0251)* Note: Excludes ducting.		
23 34 16 00-0253		**Light Duty Exhaust Fans** *(23 34 16 00-0252)*		
23 34 16 00-0254		**Light Duty Exhaust Fans** *(23 34 16 00-0253)*		
23 34 16 00-0255	EA	50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan (Broan® 670)	92.60	32.97
23 34 16 00-0256	EA	70 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan (Broan® 671)	97.05	32.97
23 34 16 00-0257	EA	180 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan (Broan® 505)	150.47	32.97
23 34 16 00-0258	EA	350 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan (Broan® 504)	186.20	32.97
23 34 16 00-0259	EA	160 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan (Broan® 503)	168.06	32.97
23 34 16 00-0260	EA	270 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan (Broan® 502)	218.79	32.97
23 34 16 00-0261		**Light Duty Exhaust Fans With Lights** *(23 34 16 00-0253)*		
23 34 16 00-0262	EA	50 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 678)	116.40	32.97
23 34 16 00-0263	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 679)	127.55	32.97
23 34 16 00-0264	EA	100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 680)	225.60	32.97
23 34 16 00-0265		**Light Duty Exhaust Fans With Heaters** *(23 34 16 00-0253)*		
23 34 16 00-0266	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater Bulb (Broan® 162)	118.81	32.97
23 34 16 00-0267	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater (Broan® 658)	179.95	32.97
23 34 16 00-0268		**Light Duty Exhaust Fans With Heaters And Lights** *(23 34 16 00-0253)*		
23 34 16 00-0269	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 655)	190.55	32.97
23 34 16 00-0270	EA	100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 100HL)	281.54	32.97
23 34 16 00-0271		**Heavy Duty/Continuous Operation Exhaust Fans** *(23 34 16 00-0252)*		
23 34 16 00-0272		**Heavy Duty/Continuous Operation Exhaust Fans** *(23 34 16 00-0271)* Note: Includes enamel steel or aluminum grille.		
23 34 16 00-0273	EA	50 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD50)	135.65	32.97
23 34 16 00-0274	EA	80 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD80)	148.43	32.97
23 34 16 00-0275	EA	109 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L100MG)	259.02	32.97
23 34 16 00-0276	EA	157 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L150MG)	264.94	32.97
23 34 16 00-0277	EA	210 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L200MG)	283.37	32.97
23 34 16 00-0278	EA	259 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L250MG)	295.15	32.97
23 34 16 00-0279	EA	308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300MG)	299.71	32.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0280	EA	434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400)	340.86	32.97
23 34 16 00-0281	EA	514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500)	386.24	32.97
23 34 16 00-0282	EA	701 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L700)	412.09	32.97
23 34 16 00-0283	EA	901 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L900)	487.59	32.97
23 34 16 00-0284	EA	1,513 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L1500)	622.10	32.97
23 34 16 00-0285		Heavy Duty/Continuous Operation Kitchen Exhaust Fans *(23 34 16 00-0271)*		
		Note: Includes enamel steel or aluminum grille.		
23 34 16 00-0286	EA	308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300KMG)	268.39	32.97
23 34 16 00-0287	EA	434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400K)	382.84	32.97
23 34 16 00-0288	EA	514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500K)	404.04	32.97
23 34 16 00-0289		Heavy Duty/Continuous Operation Exhaust Fans With Lights *(23 34 16 00-0271)*		
23 34 16 00-0290	EA	50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan With Light (Broan® HD50L)	146.11	32.97
23 34 16 00-0291	EA	80 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan With Light (Broan® HD80L)	158.11	32.97
23 34 16 00-0292		Fire Rated, Heavy Duty/Continuous Operation Exhaust Fans *(23 34 16 00-0271)*		
23 34 16 00-0293	EA	50 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD50RDF)	151.38	32.97
23 34 16 00-0294	EA	80 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD80RDF)	159.33	32.97
23 34 16 00-0295	EA	110 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® 110RDF)	163.16	32.97
23 34 16 00-0296		Room-To-Room Exhaust Fans *(23 34 16 00-0252)*		
23 34 16 00-0297	EA	90 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 512)	113.40	32.97
23 34 16 00-0298	EA	180 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 511)	178.29	32.97
23 34 16 00-0299	EA	380 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 510)	201.93	32.97
23 34 16 00-0300		Through-Wall Exhaust Fans *(23 34 16 00-0252)*		
23 34 16 00-0301	EA	250 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 507)	189.57	32.97
23 34 16 00-0302	EA	470 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 506)	222.16	32.97
23 34 16 00-0303	EA	180 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 509)	167.16	32.97
23 34 16 00-0304	EA	270 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 508)	218.79	32.97
23 34 16 00-0305	EA	360 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan With Motorized Door (Broan® 12C)	371.63	32.97
23 34 16 00-0306		Exhaust Fan Accessories *(23 34 16 00-0252)*		
23 34 16 00-0307		Exhaust Fan Controls *(23 34 16 00-0306)*		
23 34 16 00-0308	EA	Electronic Variable Speed Control Dial, Single Gang, Exhaust Fan Controls (Broan® 57)	105.27	20.61
23 34 16 00-0309	EA	60-Minute Time Control Dial, Single Gang, Exhaust Fan Controls (Broan® 59)	76.44	20.61
23 34 16 00-0310	EA	60-Minute Time Control Dial With Rocker Switch, Double Gang, Exhaust Fan Controls (Broan® 61)	77.13	20.61
23 34 16 00-0311		Roof And Wall Caps For Exhaust Fans *(23 34 16 00-0306)*		
23 34 16 00-0312		Wall Caps For Exhaust Fans *(23 34 16 00-0311)*		
23 34 16 00-0313	EA	Aluminum Wall Cap For Up To 12" Duct, Installed On Exterior Walls (Broan® 613)	175.26	43.11
23 34 16 00-0314	EA	Aluminum Wall Cap For Up To 18" Duct, Installed On Exterior Walls (Broan® 643)	177.53	43.11
23 34 16 00-0315		Roof Caps For Exhaust Fans *(23 34 16 00-0311)*		
		Note: Includes flashing and built in bird screen.		
23 34 16 00-0316	EA	Aluminum Roof Cap For Up To 8" Duct, Installed On Flat Roofs (Broan® 611)	151.84	43.11
23 34 16 00-0317	EA	Aluminum Roof Cap For Up To 12" Duct, Installed On Flat Roofs (Broan® 612)	210.77	43.11
23 34 16 00-0318	EA	CRCQ Steel Roof Cap For Up To 4" Duct, Installed On Sloped Roofs (Broan® 636)	106.54	43.11
23 34 16 00-0319	EA	CRCQ Steel Roof Cap For Up To 8" Duct, Installed On Sloped Roofs (Broan® 634)	124.22	43.11
23 34 16 00-0320		Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan *(23 34 16 00-0252)*		
		Note: Includes storage and cleaning.		
23 34 16 00-0321	EA	Remove And Reinstall Light Duty Ceiling Exhaust Fan	59.54	

23 34 23 HVAC Power Ventilators *(23 34)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 23 00-0001		Power Roof Ventilators *(23 34 23)*		
23 34 23 00-0002		Direct Drive, Aluminum, Centrifugal Roof Exhausters *(23 34 23 00-0001)*		
		Note: Greenheck Model G.		
23 34 23 00-0003	EA	1/25 HP, 310 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	480.31	113.52
		Note: Three speed motor.		
		For 12" Roof Curb, Add	*131.89*	
		For Backdraft Damper, Add	*68.78*	
		For Solid State Speed Control, Add	*66.40*	
		For Damper Motor, Add	*116.34*	
23 34 23 00-0004	EA	1/8 HP, 863 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	543.61	128.60
		Note: Three speed motor.		
		For 12" Roof Curb, Add	*131.89*	
		For Backdraft Damper, Add	*68.78*	
		For Solid State Speed Control, Add	*66.40*	
		For Damper Motor, Add	*116.34*	
23 34 23 00-0005	EA	1/6 HP, 1,213 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	771.80	150.03
		For 12" Roof Curb, Add	*135.04*	
		For Backdraft Damper, Add	*74.75*	
		For Solid State Speed Control, Add	*66.40*	
		For Damper Motor, Add	*116.34*	
23 34 23 00-0006	EA	1/4 HP, 1,374 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	816.75	169.09
		For 12" Roof Curb, Add	*135.04*	
		For Backdraft Damper, Add	*74.75*	
		For Solid State Speed Control, Add	*66.40*	
		For Damper Motor, Add	*116.34*	
23 34 23 00-0007	EA	1/3 HP, 1,905 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	1,022.03	186.55
		For Solid State Speed Control, Add	*66.40*	
		For Damper Motor, Add	*116.34*	
23 34 23 00-0008	EA	1/2 HP, 3,072 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	1,136.29	198.45
		For 12" Roof Curb, Add	*140.29*	
		For Backdraft Damper, Add	*84.72*	
		For Solid State Speed Control, Add	*98.95*	
		For Damper Motor, Add	*116.34*	
23 34 23 00-0009		Belt Drive, Aluminum, Centrifugal Roof Exhausters *(23 34 23 00-0001)*		
		Note: Greenheck Model GB.		
23 34 23 00-0010	EA	1/4 HP, 1,556 CFM At 1/4" Static Pressure, 19" x 19" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	1,017.32	169.09
		For 12" Roof Curb, Add	*135.04*	
		For Backdraft Damper, Add	*74.75*	
		For Damper Motor, Add	*116.34*	
23 34 23 00-0011	EA	1/3 HP, 1,966 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	1,109.54	215.13
		For 12" Roof Curb, Add	*140.29*	
		For Backdraft Damper, Add	*84.72*	
		For Damper Motor, Add	*116.34*	
23 34 23 00-0012	EA	1/2 HP, 2,943 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	1,502.84	256.41
		For 12" Roof Curb, Add	*140.29*	
		For Backdraft Damper, Add	*84.72*	
		For Damper Motor, Add	*116.34*	
23 34 23 00-0013	EA	3/4 HP, 4,289 CFM At 1/4" Static Pressure, 30" x 30" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	1,917.07	317.53
		For 12" Roof Curb, Add	*165.49*	
		For Backdraft Damper, Add	*103.69*	
		For Damper Motor, Add	*116.34*	
23 34 23 00-0014	EA	1 HP, 6,157 CFM At 1/4" Static Pressure, 34" x 34" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	2,529.12	396.91
		For 12" Roof Curb, Add	*177.04*	
		For Backdraft Damper, Add	*112.66*	
		For Damper Motor, Add	*116.34*	
23 34 23 00-0015	EA	1-1/2 HP, 8,906 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	3,219.33	496.14
		For 12" Roof Curb, Add	*194.89*	
		For Backdraft Damper, Add	*124.63*	
		For Damper Motor, Add	*116.34*	
23 34 23 00-0016	EA	2 HP, 10,059 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	3,244.53	496.14
		For 12" Roof Curb, Add	*194.89*	
		For Backdraft Damper, Add	*124.63*	
		For Damper Motor, Add	*116.34*	
23 34 23 00-0017	EA	3 HP, 11,703 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	3,516.48	496.14
		For 12" Roof Curb, Add	*194.89*	
		For Backdraft Damper, Add	*124.63*	
		For Damper Motor, Add	*116.34*	
23 34 23 00-0018	EA	5 HP, 13,897 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	3,652.03	496.14
		For 12" Roof Curb, Add	*194.89*	
		For Backdraft Damper, Add	*124.63*	
		For Damper Motor, Add	*116.34*	
23 34 23 00-0019		Propeller Exhaust Fans, Roof Mounted Upblast *(23 34 23 00-0001)*		
		Note: Includes back draft damper and birdscreen and curb.		
23 34 23 00-0020	EA	30,300 CFM Belt Drive 5 HP Propeller Exhaust Fan, Roof Mounted, 3/8" Static Pressure	4,769.76	610.45
23 34 23 00-0021	EA	36,000 CFM Belt Drive 15 HP Propeller Exhaust Fan, Roof Mounted, 1/2" Static Pressure	7,743.27	793.58
23 34 23 00-0022		Belt Drive Supply Fans *(23 34 23 00-0001)*		
23 34 23 00-0023	EA	4,500 CFM, 24" x 24" Supply Fan, Roof Mounted	1,911.46	316.97
23 34 23 00-0024	EA	10,000 CFM, 36" x 36" Supply Fan, Roof Mounted	2,572.21	396.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 23 00-0025		Fan Thermostat *(23 34 23 00-0001)*		
23 34 23 00-0026	EA	50 To 120 Degree Line Voltage Fan Thermostat	83.70	
23 34 23 00-0027		Power Wall Ventilators *(23 34 23)*		
23 34 23 00-0028		Centrifugal Sidewall Exhausters *(23 34 23 00-0027)*		
23 34 23 00-0029		Direct Drive, Aluminum, Centrifugal Sidewall Exhauster *(23 34 23 00-0028)*		
		Note: Greenheck Model CW.		
23 34 23 00-0030	EA	1/25 HP, 297 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	578.95	127.81
		For Solid State Speed Control, Add	*98.95*	
		For Backdraft Damper, Add	*86.85*	
		For Damper Motor, Add	*186.69*	
		For Interior Wall Grill, Add	*70.94*	
23 34 23 00-0031	EA	1/8 HP, 861 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	664.49	150.03
		For Solid State Speed Control, Add	*98.95*	
		For Backdraft Damper, Add	*96.82*	
		For Damper Motor, Add	*186.69*	
		For Interior Wall Grill, Add	*84.33*	
23 34 23 00-0032	EA	1/6 HP, 1,179 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	990.91	169.09
		For Solid State Speed Control, Add	*98.95*	
		For Backdraft Damper, Add	*109.78*	
		For Damper Motor, Add	*186.69*	
		For Interior Wall Grill, Add	*97.73*	
23 34 23 00-0033		Belt Drive, Aluminum, Centrifugal Sidewall Exhausters *(23 34 23 00-0028)*		
		Note: Greenheck CWB.		
23 34 23 00-0034	EA	1/4 HP, 1,633 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	1,341.11	95.69
		For Solid State Speed Control, Add	*98.95*	
		For Backdraft Damper, Add	*104.34*	
		For Damper Motor, Add	*186.69*	
		For Interior Wall Grill, Add	*147.87*	
23 34 23 00-0035	EA	1/2 HP, 2,291 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	1,419.85	107.75
		For Solid State Speed Control, Add	*98.95*	
		For Backdraft Damper, Add	*104.34*	
		For Damper Motor, Add	*186.69*	
		For Interior Wall Grill, Add	*147.87*	
23 34 23 00-0036	EA	3/4 HP, 3,646 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	1,739.64	123.27
		For Solid State Speed Control, Add	*98.95*	
		For Backdraft Damper, Add	*129.04*	
		For Damper Motor, Add	*186.69*	
		For Interior Wall Grill, Add	*171.77*	
23 34 33		**Air Curtains** *(23 34)*		
23 34 33 00-0001		Unheated Air Curtains For Entrances *(23 34 33)*		
		Note: Includes housing and controls.		
23 34 33 00-0002		Personnel Entrance Unheated Air Curtains *(23 34 33 00-0001)*		
23 34 33 00-0003	EA	Air Curtain For 3' x 10' Personnel Entrance, Unheated, Including Housing And Controls	1,683.58	581.87
23 34 33 00-0004	EA	Air Curtain For 3.5' x 10' Personnel Entrance, Unheated, Including Housing And Controls	1,701.01	581.87
23 34 33 00-0005	EA	Air Curtain For 4' x 10' Personnel Entrance, Unheated, Including Housing And Controls	1,709.72	581.87
23 34 33 00-0006	EA	Air Curtain For 5' x 10' Personnel Entrance, Unheated, Including Housing And Controls	2,084.36	581.87
23 34 33 00-0007	EA	Air Curtain For 6' x 10' Personnel Entrance, Unheated, Including Housing And Controls	2,583.14	698.56
23 34 33 00-0008	EA	Air Curtain For 7' x 10' Personnel Entrance, Unheated, Including Housing And Controls	2,696.41	698.56
23 34 33 00-0009	EA	Air Curtain For 10' x 10' Personnel Entrance, Unheated, Including Housing And Controls	3,625.95	805.73
23 34 33 00-0010	EA	Air Curtain For 12' x 10' Personnel Entrance, Unheated, Including Housing And Controls	4,270.68	805.73
23 34 33 00-0011	EA	Air Curtain For 15' x 10' Personnel Entrance, Unheated, Including Housing And Controls	4,828.29	805.73
23 34 33 00-0012		Receiving/Service Entrance Unheated Air Curtains *(23 34 33 00-0001)*		
		Note: Normal door sizes.		
23 34 33 00-0013	EA	Air Curtain, 3' x 8' Service/Receiving Entrance, Unheated, Including Housing And Controls	1,688.81	581.87
23 34 33 00-0014	EA	Air Curtain, 3.5' x 8' Service/Receiving Entrance, Unheated, Including Housing And Controls	1,688.81	581.87
23 34 33 00-0015	EA	Air Curtain, 4' x 8' Service/Receiving Entrance, Unheated, Including Housing And Controls	1,704.49	581.87
23 34 33 00-0016	EA	Air Curtain, 5' x 8' Service/Receiving Entrance, Unheated, Including Housing And Controls	1,901.40	581.87
23 34 33 00-0017	EA	Air Curtain, 6' x 8' Service/Receiving Entrance, Unheated, Including Housing And Controls	2,356.61	698.56
23 34 33 00-0018	EA	Air Curtain, 7' x 8' Service/Receiving Entrance, Unheated, Including Housing And Controls	2,661.55	698.56
23 34 33 00-0019	EA	Air Curtain, 8' x 8' Service/Receiving Entrance, Unheated, Including Housing And Controls	2,866.21	805.73
23 34 33 00-0020	EA	Air Curtain, 10' x 8' Service/Receiving Entrance, Unheated, Including Housing And Controls	3,608.52	805.73
23 34 33 00-0021	EA	Air Curtain, 4' x 10' Service/Receiving Entrance, Unheated, Including Housing And Controls	2,005.95	581.87
23 34 33 00-0022		Service Window Unheated Air Curtains *(23 34 33 00-0001)*		
		Note: Normal window sizes.		
23 34 33 00-0023	EA	Air Curtain For 2.5' x 5' Service Window, Unheated, Including Housing And Controls	2,007.38	911.31

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0024		Heated Air Curtains For Entrances *(23 34 33)*		
		Note: Includes housing and controls.		
23 34 33 00-0025	EA	60" Heated Air Curtain With 1- 300 MBH Heater	3,205.33	512.41
23 34 33 00-0026	EA	60" Heated Air Curtain With 1- 400 MBH Heater	3,496.03	512.41
23 34 33 00-0027	EA	72" Heated Air Curtain With 1- 350 MBH Heater	3,845.89	614.81
23 34 33 00-0028	EA	72" Heated Air Curtain With 2- 250 MBH Heaters	4,194.73	614.81
23 34 33 00-0029	EA	96" Heated Air Curtain With 1- 400 MBH Heater	5,127.17	819.62
23 34 33 00-0030	EA	96" Heated Air Curtain With 2- 350 MBH Heaters	5,592.29	819.62
23 34 33 00-0031	EA	117" Heated Air Curtain With 2- 300 MBH Heaters	6,248.02	998.62
23 34 33 00-0032	EA	117" Heated Air Curtain With 2- 400 MBH Heaters	6,814.88	998.62
23 34 33 00-0033	EA	147" Heated Air Curtain With 2- 350 MBH Heaters	7,850.52	1,254.64
23 34 33 00-0034	EA	147" Heated Air Curtain With 3- 350 MBH Heaters	9,260.42	1,254.64
23 34 33 00-0035	EA	168" Heated Air Curtain With 2- 400 MBH Heaters	8,972.54	1,434.03
23 34 33 00-0036	EA	168" Heated Air Curtain With 3- 400 MBH Heaters	10,583.50	1,434.03
23 34 33 00-0037	EA	192" Heated Air Curtain With 2- 400 MBH Heaters	10,251.64	1,638.84
23 34 33 00-0038	EA	192" Heated Air Curtain With 4- 350 MBH Heaters	12,092.74	1,638.84

23 35 Special Exhaust Systems *(23 30)*

See CSI section 23 31 13 16-0063 for spiral duct/piping.

23 35 13 Dust Collection Systems *(23 35)*

23 35 13 00-0001		Dust Collector System *(23 35 13)*		
23 35 13 00-0002	EA	1.5 HP Dust Collector Central Vacuum Unit	2,654.03	689.60
		Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.		
23 35 13 00-0003	EA	2 HP Dust Collector Central Vacuum Unit	3,000.69	818.90
		Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.		
23 35 13 00-0004	EA	2-1/2 HP Dust Collector Central Vacuum Unit	3,585.53	948.20
		Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.		
23 35 13 00-0005	EA	3 HP Dust Collector Central Vacuum Unit	4,111.23	1,120.61
		Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.		
23 35 13 00-0006	EA	5 HP Dust Collector Central Vacuum Unit	8,022.88	1,255.69
		Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.		
23 35 13 00-0007	EA	7-1/2 HP Dust Collector Central Vacuum Unit	9,702.41	1,464.97
		Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.		
23 35 13 00-0008	EA	10 HP Dust Collector Central Vacuum Unit	11,111.71	1,674.26
		Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.		
23 35 13 00-0009	EA	15 HP Dust Collector Central Vacuum Unit	12,517.40	1,925.40
		Note: Includes fan bower, stand, cyclone, filter, silencer and two 55 gallon fiber drum dust bin.		
23 35 13 00-0010	EA	20 HP Dust Collector Central Vacuum Unit	13,982.63	2,176.53
		Note: Includes fan bower, stand, cyclone, filter, silencer and two 55 gallon fiber drum dust bin.		
23 35 13 00-0011		Vacuum Tubing And Accessories *(23 35 13)*		
23 35 13 00-0012		Vacuum Tubing *(23 35 13 00-0011)*		
23 35 13 00-0013		Galvanized Vacuum Tubing *(23 35 13 00-0012)*		
23 35 13 00-0014	LF	2-1/8" Outside Diameter Vacuum Tubing, Galvanized	5.56	1.43
23 35 13 00-0015	LF	2-1/2" Outside Diameter Vacuum Tubing, Galvanized	6.15	1.51
23 35 13 00-0016	LF	3" Outside Diameter Vacuum Tubing, Galvanized	7.14	1.59
23 35 13 00-0017	LF	3-1/2" Outside Diameter Vacuum Tubing, Galvanized	8.95	1.67
23 35 13 00-0018	LF	4" Outside Diameter Vacuum Tubing, Galvanized	9.22	1.74
23 35 13 00-0019	LF	5" Outside Diameter Vacuum Tubing, Galvanized	14.49	1.98
23 35 13 00-0020	LF	6" Outside Diameter Vacuum Tubing, Galvanized	16.35	2.31
23 35 13 00-0021	LF	8" Outside Diameter Vacuum Tubing, Galvanized	22.21	3.17
23 35 13 00-0022	LF	10" Outside Diameter Vacuum Tubing, Galvanized	26.24	3.97
23 35 13 00-0023	LF	12" Outside Diameter Vacuum Tubing, Galvanized	61.38	5.24
23 35 13 00-0024		Flexible Hose *(23 35 13 00-0011)*		
23 35 13 00-0025	LF	2" Flexible Hose	7.23	1.43
23 35 13 00-0026	LF	3" Flexible Hose	8.58	1.59
23 35 13 00-0027	LF	4" Flexible Hose	9.32	1.74
23 35 13 00-0028		90 Degree Elbow *(23 35 13 00-0011)*		
23 35 13 00-0029	EA	2-1/8" 90 Degree Elbow, Vacuum Tubing, Galvanized	29.61	9.12
23 35 13 00-0030	EA	2-1/2" 90 Degree Elbow, Vacuum Tubing, Galvanized	35.34	9.77
23 35 13 00-0031	EA	3" 90 Degree Elbow, Vacuum Tubing, Galvanized	42.67	10.63
23 35 13 00-0032	EA	3-1/2" 90 Degree Elbow, Vacuum Tubing, Galvanized	49.49	11.51
23 35 13 00-0033	EA	4" 90 Degree Elbow, Vacuum Tubing, Galvanized	58.04	12.70
23 35 13 00-0034	EA	5" 90 Degree Elbow, Vacuum Tubing, Galvanized	89.89	14.13
23 35 13 00-0035	EA	6" 90 Degree Elbow, Vacuum Tubing, Galvanized	116.79	15.88
23 35 13 00-0036	EA	8" 90 Degree Elbow, Vacuum Tubing, Galvanized	203.15	21.20
23 35 13 00-0037		45 Degree Elbow *(23 35 13 00-0011)*		
23 35 13 00-0038	EA	2-1/8" 45 Degree Elbow, Vacuum Tubing, Galvanized	28.24	9.12
23 35 13 00-0039	EA	2-1/2" 45 Degree Elbow, Vacuum Tubing, Galvanized	34.22	9.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 35 13 00-0040	EA	3" 45 Degree Elbow, Vacuum Tubing, Galvanized	38.89	10.63
23 35 13 00-0041	EA	3-1/2" 45 Degree Elbow, Vacuum Tubing, Galvanized	45.23	11.51
23 35 13 00-0042	EA	4" 45 Degree Elbow, Vacuum Tubing, Galvanized	54.10	12.70
23 35 13 00-0043	EA	5" 45 Degree Elbow, Vacuum Tubing, Galvanized	76.21	14.13
23 35 13 00-0044	EA	6" 45 Degree Elbow, Vacuum Tubing, Galvanized	96.68	15.88
23 35 13 00-0045	EA	8" 45 Degree Elbow, Vacuum Tubing, Galvanized	169.37	21.20
23 35 13 00-0046		Wye *(23 35 13 00-0011)*		
23 35 13 00-0047	EA	2-1/8" Wye, Vacuum Tubing, Galvanized	52.52	15.09
23 35 13 00-0048	EA	2-1/2" Wye, Vacuum Tubing, Galvanized	61.39	16.27
23 35 13 00-0049	EA	3" Wye, Vacuum Tubing, Galvanized	72.91	17.46
23 35 13 00-0050	EA	3-1/2" Wye, Vacuum Tubing, Galvanized	86.64	19.45
23 35 13 00-0051	EA	4" Wye, Vacuum Tubing, Galvanized	111.45	21.04
23 35 13 00-0052	EA	5" Wye, Vacuum Tubing, Galvanized	177.40	23.41
23 35 13 00-0053	EA	6" Wye, Vacuum Tubing, Galvanized	230.87	26.60
23 35 13 00-0054	EA	8" Wye, Vacuum Tubing, Galvanized	435.19	28.97
23 35 13 00-0055	EA	10" Wye, Vacuum Tubing, Galvanized	595.25	31.75
23 35 13 00-0056	EA	12" Wye, Vacuum Tubing, Galvanized	748.08	35.56
23 35 13 00-0057		Reducer *(23 35 13 00-0011)*		
23 35 13 00-0058	EA	3" Reducer, Vacuum Tubing, Galvanized	31.65	10.63
23 35 13 00-0059	EA	4" Reducer, Vacuum Tubing, Galvanized	34.97	11.51
23 35 13 00-0060	EA	5" Reducer, Vacuum Tubing, Galvanized	42.51	12.70
23 35 13 00-0061	EA	6" Reducer, Vacuum Tubing, Galvanized	46.22	14.13
23 35 13 00-0062	EA	8" Reducer, Vacuum Tubing, Galvanized	53.51	15.88
23 35 13 00-0063		Air Gate Valve, Galvanized *(23 35 13 00-0011)*		
23 35 13 00-0064	EA	2-1/8" Air Gate Valve, Vacuum Tubing, Galvanized	172.69	21.20
23 35 13 00-0065	EA	2-1/2" Air Gate Valve, Vacuum Tubing, Galvanized	181.30	22.63
23 35 13 00-0066	EA	3" Air Gate Valve, Vacuum Tubing, Galvanized	207.05	24.37
23 35 13 00-0067	EA	3-1/2" Air Gate Valve, Vacuum Tubing, Galvanized	233.84	26.03
23 35 13 00-0068	EA	4" Air Gate Valve, Vacuum Tubing, Galvanized	262.49	27.62
23 35 13 00-0069	EA	5" Air Gate Valve, Vacuum Tubing, Galvanized	308.90	31.51
23 35 13 00-0070	EA	6" Air Gate Valve, Vacuum Tubing, Galvanized	354.64	35.33
23 35 16		**Engine Exhaust Systems** *(23 35)*		
23 35 16 16		**Mechanical Engine Exhaust Systems** *(23 35 16)*		
23 35 16 16-0001		Tailpipe Exhaust Equipment *(23 35 16 16)*		
23 35 16 16-0002		Overhead Tailpipe Exhaust System *(23 35 16 16-0001)*		
23 35 16 16-0003		Overhead Tailpipe Exhaust Blowers *(23 35 16 16-0002)*		
23 35 16 16-0004		Overhead Direct Drive Tailpipe Exhaust Blowers *(23 35 16 16-0003)*		
23 35 16 16-0005	EA	495 CFM 1/3 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System	2,050.86	169.09
23 35 16 16-0006	EA	1,445 CFM 3/4 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System	2,434.05	345.31
23 35 16 16-0007	EA	1,840 CFM 1-1/2 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System	3,362.44	418.34
23 35 16 16-0008		Overhead Belt Drive Tailpipe Exhaust Blowers *(23 35 16 16-0003)*		
23 35 16 16-0009	EA	1,400 CFM 1 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	2,370.45	345.31
23 35 16 16-0010	EA	2,023 CFM 1-1/2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	2,545.48	418.34
23 35 16 16-0011	EA	2,750 CFM 2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	3,112.26	662.04
23 35 16 16-0012	EA	4,400 CFM 3 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	3,826.42	854.15
23 35 16 16-0013	EA	7,060 CFM 5 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	4,811.28	1,017.67
23 35 16 16-0014		Spiral Exhaust Duct Accessories *(23 35 16 16-0002)*		
23 35 16 16-0015		Flex Hose x Length *(23 35 16 16-0014)* Note: Includes duct coupler, damper and tailpipe adapter.		
23 35 16 16-0016	EA	3" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	147.23	42.07
23 35 16 16-0017	EA	3" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	118.16	42.07
23 35 16 16-0018	EA	4" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	223.22	66.68
23 35 16 16-0019	EA	4" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	174.64	66.68
23 35 16 16-0020	EA	5" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	301.92	105.58
23 35 16 16-0021	EA	5" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	284.53	105.58
23 35 16 16-0022	EA	6" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	453.56	167.49
23 35 16 16-0023	EA	6" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	416.98	167.49
23 35 16 16-0024		Flex Hose With Duct Coupler, Damper And Diesel Exhaust Adapter *(23 35 16 16-0014)*		
23 35 16 16-0025	EA	4" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	170.42	42.07
23 35 16 16-0026	EA	5" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	240.15	66.68
23 35 16 16-0027	EA	4" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	136.93	42.07

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 35 16 16-0028	EA	5" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	190.46	66.68
23 35 16 16-0029	EA	6" x 25' High Pressure, Stainless Steel Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	1,684.84	56.68
23 35 16 16-0030	EA	8" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter	1,404.88	103.99
23 35 16 16-0031	EA	10" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter	1,562.34	103.99
23 35 16 16-0032	LF	8" Heat-Resistant Fabric Flex Hose (650 Degree F.)	72.73	8.10
23 35 16 16-0033	LF	10" Heat-Resistant Fabric Flex Hose (650 Degree F.)	82.40	8.10
23 35 16 16-0034		Flexible Hose *(23 35 16 16-0014)*		
23 35 16 16-0035	LF	3" Stainless Steel Flexible Tubing	21.47	1.98
23 35 16 16-0036	LF	4" Stainless Steel Flexible Tubing	27.16	2.23
23 35 16 16-0037	LF	5" Stainless Steel Flexible Tubing	32.12	2.31
23 35 16 16-0038	LF	6" Stainless Steel Flexible Tubing	37.77	2.46
23 35 16 16-0039	LF	3" Galvanized Flexible Tubing	12.54	1.98
23 35 16 16-0040	LF	4" Galvanized Flexible Tubing	14.65	2.23
23 35 16 16-0041	LF	5" Galvanized Flexible Tubing	16.68	2.31
23 35 16 16-0042	LF	6" Galvanized Flexible Tubing	18.54	2.46
23 35 16 16-0043		Accessories *(23 35 16 16-0002)*		
23 35 16 16-0044	EA	3" Tail Pipe Adapter	59.96	5.95
23 35 16 16-0045	EA	4" Tail Pipe Adapter	61.88	5.95
23 35 16 16-0046	EA	5" Tail Pipe Adapter	65.40	6.75
23 35 16 16-0047	EA	3" Bullnose (Guide)	32.50	3.97
23 35 16 16-0048	EA	4" Bullnose (Guide)	34.36	4.37
23 35 16 16-0049	EA	5" Bullnose (Guide)	36.55	4.76
23 35 16 16-0050	EA	Flex-Hose Winch And Associated Hardware	219.39	45.01
23 35 16 16-0051	LF	Flex-Hose Winch Cable, 1/8" Galvanized Wire Rope	0.16	
23 35 16 16-0052		Automatic Exhaust Extraction System *(23 35 16 16-0001)*		
		Note: (Neiderman System) Includes track, hydraulic shock absorber, automatic disconnect box, flexible hose, electromagnetic ergonomic positioner, nozzle, power supply and accessories.		
23 35 16 16-0053	EA	Magnatrack System For One Vehicle (30" To 40" Track)	20,239.20	
23 35 16 16-0054	EA	Magnatrack System For Two Vehicles (2 Each 30" Tracks)	29,234.40	
23 35 16 16-0055	EA	Magnatrack System For Tandem Vehicles (2 Each 30" Tracks)	29,234.40	
23 35 16 16-0056	EA	Magnarail System For One Vehicle (33" Rail)	23,987.20	
23 35 16 16-0057	EA	Magnarail System For Two Vehicles in Tandem (66" Rail)	35,980.80	
23 35 16 16-0058	EA	Magnastack For One Vehicle, Vertical Exhaust Stacks (30" Stack)	18,740.00	
23 35 19		**Fume Exhaust** *(23 35)*		
23 35 19 00-0001	EA	Fume Exhauster, 1 1/2 HP 630 CFM With Out Hose And Intake Nozzle	1,527.68	317.29
23 35 19 00-0002	EA	Hose Extension Kit 5'	272.56	70.49
23 36		Air Terminal Units *(23 30)*		
23 36 13		**Constant-Air-Volume Units** *(23 36)*		
23 36 13 00-0001		Vertical Units, With Electric Heating Coils *(23 36 13)*		
23 36 13 00-0002	EA	60 CFM Vertical Induction Unit, With Electric Heating Coils	1,251.52	105.72
23 36 13 00-0003	EA	90 CFM Vertical Induction Unit, With Electric Heating Coils	1,507.86	113.86
23 36 13 00-0004	EA	120 CFM Vertical Induction Unit, With Electric Heating Coils	1,609.29	117.92
23 36 13 00-0005	EA	150 CFM Vertical Induction Unit, With Electric Heating Coils	1,718.86	126.06
23 36 13 00-0006	EA	175 CFM Vertical Induction Unit, With Electric Heating Coils	1,941.01	130.13
23 36 13 00-0007		Horizontal Units, With Electric Heating Coils *(23 36 13)*		
23 36 13 00-0008	EA	60 CFM Horizontal Induction Unit, With Electric Heating Coils	1,059.57	105.72
23 36 13 00-0009	EA	90 CFM Horizontal Induction Unit, With Electric Heating Coils	1,267.79	113.86
23 36 13 00-0010	EA	120 CFM Horizontal Induction Unit, With Electric Heating Coils	1,515.45	119.96
23 36 13 00-0011		Duct Boxes, Constant Volume Control *(23 36 13)*		
23 36 13 00-0012		Single Duct Boxes, Constant Volume Control *(23 36 13 00-0011)*		
23 36 13 00-0013	EA	4 - 6" Diameter Inlet, 50 - 240 CFM, Single Duct Boxes, Constant Volume Control	844.04	32.76
		For Boxes With Motor, Add	*20.00*	
23 36 13 00-0014	EA	6 - 8" Diameter Inlet, 100 - 480 CFM, Single Duct Boxes, Constant Volume Control	933.92	35.35
		For Boxes With Motor, Add	*20.00*	
23 36 13 00-0015	EA	7 - 10" Diameter Inlet, 150 - 720 CFM, Single Duct Boxes, Constant Volume Control	971.45	38.79
		For Boxes With Motor, Add	*20.00*	
23 36 13 00-0016	EA	9 - 12" Diameter Inlet, 200 - 960 CFM, Single Duct Boxes, Constant Volume Control	989.64	40.51
		For Boxes With Motor, Add	*20.00*	
23 36 13 00-0017	EA	12" Diameter Inlet, 250 - 1,200 CFM, Single Duct Boxes, Constant Volume Control	1,006.36	44.83
		For Boxes With Motor, Add	*20.00*	
23 36 13 00-0018	EA	14" Diameter Inlet, 350 - 1,680 CFM, Single Duct Boxes, Constant Volume Control	1,150.60	49.99
		For Boxes With Motor, Add	*20.00*	
23 36 13 00-0019	EA	16" Diameter Inlet, 450 - 2,160 CFM, Single Duct Boxes, Constant Volume Control	1,209.11	56.03
		For Boxes With Motor, Add	*20.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 13 00-0020	EA	20" x 16" Inlet, 550 - 2,640 CFM, Single Duct Boxes, Constant Volume Control	1,287.25	67.24
		For Boxes With Motor, Add	*20.00*	
23 36 13 00-0021	EA	24" x 16" Inlet, 650 - 3,120 CFM, Single Duct Boxes, Constant Volume Control	1,364.86	77.58
		For Boxes With Motor, Add	*20.00*	

23 36 13 00-0022 Dual Duct Boxes, Constant Volume Control *(23 36 13 00-0011)*

23 36 13 00-0023	EA	4 - 6" Diameter Inlet, 50 - 240 CFM, Dual Duct Boxes, Constant Volume Control	1,180.29	32.76
		For Boxes With Motor, Add	*20.00*	
23 36 13 00-0024	EA	6 - 8" Diameter Inlet, 100 - 480 CFM, Dual Duct Boxes, Constant Volume Control	1,263.00	35.35
		For Boxes With Motor, Add	*20.00*	
23 36 13 00-0025	EA	7 - 10" Diameter Inlet, 150 - 720 CFM, Dual Duct Boxes, Constant Volume Control	1,319.23	38.79
		For Boxes With Motor, Add	*20.00*	
23 36 13 00-0026	EA	9 - 12" Diameter Inlet, 200 - 960 CFM, Dual Duct Boxes, Constant Volume Control	1,374.48	40.51
		For Boxes With Motor, Add	*20.00*	
23 36 13 00-0027	EA	12" Diameter Inlet, 250 - 1,200 CFM, Dual Duct Boxes, Constant Volume Control	1,391.20	44.83
		For Boxes With Motor, Add	*20.00*	
23 36 13 00-0028	EA	14" Diameter Inlet, 350 - 1,680 CFM, Dual Duct Boxes, Constant Volume Control	1,598.39	50.86
		For Boxes With Motor, Add	*20.00*	
23 36 13 00-0029	EA	16" Diameter Inlet, 450 - 2,160 CFM, Dual Duct Boxes, Constant Volume Control	1,748.00	56.03
		For Boxes With Motor, Add	*20.00*	
23 36 13 00-0030	EA	20" x 16" Inlet, 550 - 2,640 CFM, Dual Duct Boxes, Constant Volume Control	1,886.13	67.24
		For Boxes With Motor, Add	*20.00*	
23 36 13 00-0031	EA	24" x 16" Inlet, 650 - 3,120 CFM, Dual Duct Boxes, Constant Volume Control	1,973.27	77.58
		For Boxes With Motor, Add	*20.00*	

23 36 16 Variable-Air-Volume Units *(23 36)*

23 36 16 00-0001 Variable Volume Terminal Unit *(23 36 16)*

Note: Includes flow controllers, insulated plenum, system powered box mounted thermostat.

23 36 16 00-0002 Single Duct Variable Volume Terminal Unit *(23 36 16 00-0001)*

Note: Enclosure only. For mounting DDC controls.

23 36 16 00-0003	EA	6" Diameter Inlet, 80 - 500 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls	260.74	39.65
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0004	EA	8" Diameter Inlet, 145 - 900 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls	293.55	44.83
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0005	EA	10" Diameter Inlet, 230 - 1,400 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls	328.54	49.99
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0006	EA	12" Diameter Inlet, 325 - 2,000 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls	356.49	56.03
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0007	EA	14" Diameter Inlet, 450 - 3,000 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls	484.82	120.59
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0008	EA	16" Diameter Inlet, 580 - 4,000 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls	627.31	143.09
		For Filters And Frames, Add	*6.30*	

23 36 16 00-0009 Single Duct Variable Volume Terminal Unit *(23 36 16 00-0001)*

Note: With pneumatic controls.

23 36 16 00-0010	EA	6" Diameter Inlet, 80 - 500 CFM, Variable Air Volume Box With pneumatic controller	443.22	39.65
		For Fan Powered Variable Air Volume Box, Add	*385.85*	
		For Hot Water Coils, Add	*40.55*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0011	EA	8" Diameter Inlet, 145 - 900 CFM, Variable Air Volume Box With pneumatic controller	484.59	44.83
		For Fan Powered Variable Air Volume Box, Add	*414.36*	
		For Hot Water Coils, Add	*40.55*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0012	EA	10" Diameter Inlet, 230 - 1,400 CFM, Variable Air Volume Box With pneumatic controller	516.29	49.99
		For Fan Powered Variable Air Volume Box, Add	*429.16*	
		For Hot Water Coils, Add	*40.55*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0013	EA	12" Diameter Inlet, 325 - 2,000 CFM, Variable Air Volume Box With pneumatic controller	547.53	56.03
		For Fan Powered Variable Air Volume Box, Add	*443.15*	
		For Hot Water Coils, Add	*40.55*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0014	EA	14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With pneumatic controller	658.07	120.59
		For Fan Powered Variable Air Volume Box, Add	*502.27*	
		For Hot Water Coils, Add	*40.55*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0015	EA	16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With pneumatic controller	815.06	143.09
		For Fan Powered Variable Air Volume Box, Add	*556.15*	
		For Hot Water Coils, Add	*40.55*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	

23 36 16 00-0016 Single Duct Variable Volume Terminal Unit *(23 36 16 00-0001)*

Note: With analog electronic controls.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 16 00-0017	EA	6" Diameter Inlet, 60 - 500 CFM, Variable Air Volume Box With analog electronic controls	670.49	39.65
		For Hot Water Coils, Add	*40.55*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0018	EA	8" Diameter Inlet, 105 - 900 CFM, Variable Air Volume Box With analog electronic controls	706.60	44.83
		For Hot Water Coils, Add	*40.55*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0019	EA	10" Diameter Inlet, 165 - 1,400 CFM, Variable Air Volume Box With analog electronic controls	741.58	49.99
		For Hot Water Coils, Add	*40.55*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0020	EA	12" Diameter Inlet, 235 - 2,000 CFM, Variable Air Volume Box With analog electronic controls	785.34	56.03
		For Hot Water Coils, Add	*40.55*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0021	EA	14" Diameter Inlet, 320 - 3,000 CFM, Variable Air Volume Box With analog electronic controls	896.54	120.59
		For Hot Water Coils, Add	*40.55*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0022	EA	16" Diameter Inlet, 420 - 4,000 CFM, Variable Air Volume Box With analog electronic controls	909.72	120.59
		For Hot Water Coils, Add	*40.55*	
		For Filters And Frames, Add	*6.30*	

23 36 16 00-0023 Dual Duct Variable Volume Terminal Unit *(23 36 16 00-0001)*

Note: With flow control installation, plenum system power box, thermostat.

23 36 16 00-0024	EA	6" Diameter Inlet, 75 - 500 CFM, Variable Air Volume Box, Dual Duct	489.36	78.35
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0025	EA	8" Diameter Inlet, 200 - 700 CFM, Variable Air Volume Box, Dual Duct	539.37	89.21
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0026	EA	10" Diameter Inlet, 400 - 1,000 CFM, Variable Air Volume Box, Dual Duct	583.77	100.77
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0027	EA	12" Diameter Inlet, 600 - 1,400 CFM, Variable Air Volume Box, Dual Duct	642.52	112.41
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0028	EA	14" Diameter Inlet, 800 - 2,700 CFM, Variable Air Volume Box, Dual Duct	725.80	129.30
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0029	EA	16" Diameter Inlet, 1,000 - 3,500 CFM, Variable Air Volume Box, Dual Duct	812.92	155.16
		For Filters And Frames, Add	*6.30*	

23 36 16 00-0030 Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M) *(23 36 16 00-0001)*

23 36 16 00-0031	EA	0 To 200 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-A)	368.00	53.88
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0032	EA	0 To 300 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-B)	400.22	59.26
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0033	EA	0 To 400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-C)	433.19	64.65
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0034	EA	0 To 700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-D)	466.96	70.04
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0035	EA	0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-E)	501.60	75.42
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0036	EA	0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-F)	537.13	80.82
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0037	EA	0 To 1,100 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-G)	576.17	86.20
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0038	EA	0 To 1,900 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-H)	613.92	91.59
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0039	EA	0 To 2,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-J)	652.80	96.98
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0040	EA	0 To 3,800 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-K)	692.89	102.36
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0041	EA	0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-L)	734.29	107.75
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0042	EA	0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M)	777.06	113.14
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0043	EA	0 To 6,700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-N)	821.33	118.53
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0044	EA	0 To 10,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-P)	863.75	123.91
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0045	EA	0 To 15,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-R)	911.06	129.30
		For Filters And Frames, Add	*6.30*	

23 37 Air Outlets And Inlets *(23 30)*

23 37 13 Diffusers, Registers, And Grilles *(23 37)*

23 37 13 00-0001 Wall And Floor Diffusers *(23 37 13)*

23 37 13 00-0002 Slot Type Linear Diffusers *(23 37 13 00-0001)*

Note: For sidewall sill or ceiling 1/2" 3/4/" or 1" slot spacing 1-1/8" border.

23 37 13 00-0003	LF	1 Slot Linear Diffusers 10 - 70 CFM/LF, Sidewall, Sill, Ceiling	32.53	4.31
		For 3/4" Border, Add	*3.61*	
		For Floor Mounted Diffusers, Add	*4.33*	
		For Stainless Steel, Add	*18.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0004	LF	2 Slot Linear Diffusers 20 - 140 CFM/LF, Sidewall, Sill, Ceiling	39.05	5.17
		For 3/4" Border, Add	*4.81*	
		For Floor Mounted Diffusers, Add	*5.77*	
		For Stainless Steel, Add	*25.01*	
23 37 13 00-0005	LF	3 Slot Linear Diffusers 30 - 210 CFM/LF, Sidewall, Sill, Ceiling	52.73	6.03
		For 3/4" Border, Add	*7.58*	
		For Floor Mounted Diffusers, Add	*9.09*	
		For Stainless Steel, Add	*39.40*	
23 37 13 00-0006	LF	4 Slot Linear Diffusers 40 - 280 CFM/LF, Sidewall, Sill, Ceiling	68.29	6.03
		For 3/4" Border, Add	*10.83*	
		For Floor Mounted Diffusers, Add	*12.99*	
		For Stainless Steel, Add	*56.29*	
23 37 13 00-0007	LF	5 Slot Linear Diffusers 50 - 350 CFM/LF, Sidewall, Sill, Ceiling	84.76	6.90
		For 3/4" Border, Add	*14.07*	
		For Floor Mounted Diffusers, Add	*16.89*	
		For Stainless Steel, Add	*73.18*	
23 37 13 00-0008	LF	6 Slot Linear Diffusers 60 - 420 CFM/LF, Sidewall, Sill, Ceiling	99.13	8.62
		For 3/4" Border, Add	*16.60*	
		For Floor Mounted Diffusers, Add	*19.92*	
		For Stainless Steel, Add	*86.31*	

23 37 13 00-0009 Linear Bar Grilles And Registers *(23 37 13 00-0001)*

Note: For sidewall sill or ceiling or 15 degree deflection 1/2" bar spacing 1" border aluminum construction.

23 37 13 00-0010	LF	2" Wide Linear Bar Grilles/Registers 30 - 70 CFM/LF, Sidewall, Sill, Ceiling	89.57	5.17
		For Floor Mount, Add	*6.98*	
		For Opposed Blade Damper, Add	*13.95*	
		For Stainless Steel, Add	*90.69*	
23 37 13 00-0011	LF	3" Wide Linear Bar Grilles/Registers 55 - 143 CFM/LF, Sidewall, Sill, Ceiling	106.61	6.03
		For Floor Mount, Add	*8.42*	
		For Opposed Blade Damper, Add	*16.84*	
		For Stainless Steel, Add	*109.45*	
23 37 13 00-0012	LF	4" Wide Linear Bar Grilles/Registers 80 - 208 CFM/LF, Sidewall, Sill, Ceiling	116.40	6.03
		For Floor Mount, Add	*9.14*	
		For Opposed Blade Damper, Add	*18.28*	
		For Stainless Steel, Add	*118.83*	
23 37 13 00-0013	LF	6" Wide Linear Bar Grilles/Registers 125 - 325 CFM/LF, Sidewall, Sill, Ceiling	143.39	8.62
		For Floor Mount, Add	*11.07*	
		For Opposed Blade Damper, Add	*22.13*	
		For Stainless Steel, Add	*143.85*	
23 37 13 00-0014	LF	9" Wide Linear Bar Grilles/Registers 225 - 450 CFM/LF, Sidewall, Sill, Ceiling	197.90	11.20
		For Floor Mount, Add	*15.40*	
		For Opposed Blade Damper, Add	*30.79*	
		For Stainless Steel, Add	*200.14*	
23 37 13 00-0015	LF	12" Wide Linear Bar Grilles/Registers 225 - 495 CFM/LF, Sidewall, Sill, Ceiling	229.11	12.93
		For Floor Mount, Add	*17.56*	
		For Opposed Blade Damper, Add	*35.12*	
		For Stainless Steel, Add	*228.28*	

23 37 13 00-0016 Ceiling Diffusers *(23 37 13)*

23 37 13 00-0017 Ceiling Diffusers With Perforated Face *(23 37 13 00-0016)*

Note: Flush mount, aluminum construction, includes damper.

23 37 13 00-0018	EA	6" x 6" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	72.43	11.20
		For Steel Construction, Deduct	*-4.22*	
		For Surface Mount, Deduct	*-3.37*	
		For Diffuser Without Damper, Deduct	*-5.62*	
		For Stainless Steel, Add	*70.25*	
23 37 13 00-0019	EA	8" x 8" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	78.67	11.20
		For Steel Construction, Deduct	*-5.15*	
		For Surface Mount, Deduct	*-4.12*	
		For Diffuser Without Damper, Deduct	*-6.87*	
		For Stainless Steel, Add	*85.85*	
23 37 13 00-0020	EA	9" x 9" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	78.67	11.20
		For Steel Construction, Deduct	*-5.15*	
		For Surface Mount, Deduct	*-4.12*	
		For Diffuser Without Damper, Deduct	*-6.87*	
		For Stainless Steel, Add	*85.85*	
23 37 13 00-0021	EA	10" x 10" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	94.61	13.79
		For Steel Construction, Deduct	*-6.17*	
		For Surface Mount, Deduct	*-4.93*	
		For Diffuser Without Damper, Deduct	*-8.22*	
		For Stainless Steel, Add	*102.75*	
23 37 13 00-0022	EA	12" x 12" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	94.61	12.93
		For Steel Construction, Deduct	*-6.17*	
		For Surface Mount, Deduct	*-4.93*	
		For Diffuser Without Damper, Deduct	*-8.22*	
		For Stainless Steel, Add	*102.75*	
23 37 13 00-0023	EA	16" x 16" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	106.06	12.93
		For Steel Construction, Deduct	*-7.88*	
		For Surface Mount, Deduct	*-6.31*	
		For Diffuser Without Damper, Deduct	*-10.51*	
		For Stainless Steel, Add	*131.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0024	EA	18" x 18" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	123.67	17.24
		For Steel Construction, Deduct	*-8.48*	
		For Surface Mount, Deduct	*-6.78*	
		For Diffuser Without Damper, Deduct	*-11.30*	
		For Stainless Steel, Add	*141.25*	
23 37 13 00-0025	EA	20" x 20" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	141.08	18.10
		For Steel Construction, Deduct	*-10.58*	
		For Surface Mount, Deduct	*-8.47*	
		For Diffuser Without Damper, Deduct	*-14.11*	
		For Stainless Steel, Add	*176.38*	
23 37 13 00-0026	EA	24" x 24" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	160.56	20.69
		For Steel Construction, Deduct	*-11.77*	
		For Surface Mount, Deduct	*-9.42*	
		For Lay-In Mount, Deduct	*-9.42*	
		For Diffuser Without Damper, Deduct	*-15.69*	
		For Stainless Steel, Add	*196.15*	

23 37 13 00-0027 Ceiling Diffusers With Louver Face *(23 37 13 00-0016)*

Note: 1 To 4 way adjustable pattern, surface mount aluminum construction.

23 37 13 00-0028	EA	6" x 6" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	74.51	11.20
		For Steel Construction, Deduct	*-4.53*	
		For Flush Mount, Add	*4.53*	
		For Stainless Steel, Add	*75.45*	
23 37 13 00-0029	EA	8" x 8" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	82.62	11.20
		For Steel Construction, Deduct	*-5.74*	
		For Flush Mount, Add	*5.74*	
		For Stainless Steel, Add	*95.73*	
23 37 13 00-0030	EA	9" x 9" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	82.62	11.20
		For Steel Construction, Deduct	*-5.74*	
		For Flush Mount, Add	*5.74*	
		For Stainless Steel, Add	*95.73*	
23 37 13 00-0031	EA	10" x 10" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	99.30	12.93
		For Steel Construction, Deduct	*-6.87*	
		For Flush Mount, Add	*6.87*	
		For Stainless Steel, Add	*114.48*	
23 37 13 00-0032	EA	12" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	99.30	13.79
		For Steel Construction, Deduct	*-6.87*	
		For Flush Mount, Add	*6.87*	
		For Stainless Steel, Add	*114.48*	
23 37 13 00-0033	EA	24" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	127.40	17.24
		For Steel Construction, Deduct	*-8.99*	
		For Flush Mount, Add	*8.99*	
		For Stainless Steel, Add	*149.85*	
23 37 13 00-0034	EA	14" x 14" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	116.37	17.24
		For Steel Construction, Deduct	*-7.34*	
		For Flush Mount, Add	*7.34*	
		For Stainless Steel, Add	*122.28*	
23 37 13 00-0035	EA	18" x 18" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	144.41	20.69
		For Steel Construction, Deduct	*-9.41*	
		For Flush Mount, Add	*9.41*	
		For Stainless Steel, Add	*156.88*	
23 37 13 00-0036	EA	21" x 21" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	164.14	23.27
		For Steel Construction, Deduct	*-11.71*	
		For Flush Mount, Add	*11.71*	
		For Stainless Steel, Add	*195.10*	
23 37 13 00-0037	EA	24" x 24" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	178.37	45.60
		For Steel Construction, Deduct	*-13.07*	
		For Flush Mount, Add	*13.07*	
		For Lay-In Mount, Add	*17.42*	
		For Stainless Steel, Add	*217.75*	

23 37 13 00-0038 Round Ceiling Diffusers With Fixed Pattern *(23 37 13 00-0016)*

Note: Aluminum construction.

23 37 13 00-0039	EA	6" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	111.87	11.20
		For Steel Construction, Deduct	*-20.26*	
		For Stainless Steel, Add	*168.85*	
23 37 13 00-0040	EA	8" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	115.34	11.20
		For Steel Construction, Deduct	*-21.30*	
		For Stainless Steel, Add	*177.53*	
23 37 13 00-0041	EA	10" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	131.45	13.79
		For Steel Construction, Deduct	*-23.38*	
		For Stainless Steel, Add	*194.85*	
23 37 13 00-0042	EA	12" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	140.11	12.93
		For Steel Construction, Deduct	*-25.98*	
		For Stainless Steel, Add	*216.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0043	EA	14" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	195.42	15.51
		For Steel Construction, Deduct	*-40.01*	
		For Stainless Steel, Add	*333.40*	
23 37 13 00-0044	EA	16" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	205.80	16.38
		For Steel Construction, Deduct	*-42.35*	
		For Stainless Steel, Add	*352.88*	
23 37 13 00-0045	EA	18" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	216.40	17.24
		For Steel Construction, Deduct	*-44.68*	
		For Stainless Steel, Add	*372.35*	
23 37 13 00-0046	EA	20" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	247.57	17.24
		For Steel Construction, Deduct	*-53.11*	
		For Stainless Steel, Add	*442.60*	
23 37 13 00-0047	EA	24" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	293.11	19.82
		For Steel Construction, Deduct	*-64.66*	
		For Stainless Steel, Add	*538.83*	
23 37 13 00-0048	EA	28" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	327.98	20.69
		For Steel Construction, Deduct	*-73.90*	
		For Stainless Steel, Add	*615.80*	
23 37 13 00-0049	EA	32" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	389.54	23.27
		For Steel Construction, Deduct	*-89.48*	
		For Stainless Steel, Add	*745.68*	
23 37 13 00-0050		**Round Ceiling Diffusers With Adjustable Pattern Dropped Style** *(23 37 13 00-0016)*		
		Note: Aluminum construction.		
23 37 13 00-0051	EA	6" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	117.07	11.20
		For Steel Construction, Deduct	*-7.27*	
		For Flush Mount, Deduct	*-3.64*	
		For Stainless Steel, Add	*181.85*	
23 37 13 00-0052	EA	8" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	126.02	11.20
		For Steel Construction, Deduct	*-8.17*	
		For Flush Mount, Deduct	*-4.08*	
		For Stainless Steel, Add	*204.23*	
23 37 13 00-0053	EA	10" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	143.95	13.79
		For Steel Construction, Deduct	*-9.04*	
		For Flush Mount, Deduct	*-4.52*	
		For Stainless Steel, Add	*226.10*	
23 37 13 00-0054	EA	12" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	153.96	13.79
		For Steel Construction, Deduct	*-10.05*	
		For Flush Mount, Deduct	*-5.02*	
		For Stainless Steel, Add	*251.13*	
23 37 13 00-0055	EA	14" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	217.93	15.51
		For Steel Construction, Deduct	*-15.59*	
		For Flush Mount, Deduct	*-7.79*	
		For Stainless Steel, Add	*389.68*	
23 37 13 00-0056	EA	16" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	173.01	16.38
		For Steel Construction, Deduct	*-16.66*	
		For Flush Mount, Deduct	*-8.33*	
		For Stainless Steel, Add	*416.38*	
23 37 13 00-0057	EA	18" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	244.69	17.24
		For Steel Construction, Deduct	*-17.72*	
		For Flush Mount, Deduct	*-8.86*	
		For Stainless Steel, Add	*443.08*	
23 37 13 00-0058	EA	20" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	281.25	18.10
		For Steel Construction, Deduct	*-21.07*	
		For Flush Mount, Deduct	*-10.54*	
		For Stainless Steel, Add	*526.80*	
23 37 13 00-0059	EA	24" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	316.97	19.82
		For Steel Construction, Deduct	*-23.94*	
		For Flush Mount, Deduct	*-11.97*	
		For Stainless Steel, Add	*598.48*	
23 37 13 00-0060	EA	28" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	379.93	20.69
		For Steel Construction, Deduct	*-29.83*	
		For Flush Mount, Deduct	*-14.91*	
		For Stainless Steel, Add	*745.68*	
23 37 13 00-0061	EA	32" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	455.16	23.27
		For Steel Construction, Deduct	*-36.39*	
		For Flush Mount, Deduct	*-18.19*	
		For Stainless Steel, Add	*909.73*	
23 37 13 00-0062	EA	36" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	502.83	48.53
		For Stainless Steel, Add	*1,014.63*	
23 37 13 00-0063		**Linear Type Ceiling Diffusers With 2-Way Air Deflection** *(23 37 13 00-0016)*		
23 37 13 00-0064	LF	4" Linear Type Ceiling Diffuser 40-200 CFM/LF, With 2-Way Air Deflection	95.43	12.93
		For Stainless Steel, Add	*109.28*	
23 37 13 00-0065	LF	6-1/4" Linear Type Ceiling Diffuser, 41 - 206 CFM/LF, With 2-Way Air Deflection	101.37	12.93
		For Stainless Steel, Add	*124.13*	
23 37 13 00-0066	LF	9-1/4" Linear Type Ceiling Diffuser, 62 - 312 CFM/LF, With 2-Way Air Deflection	108.68	12.93
		For Stainless Steel, Add	*142.40*	
23 37 13 00-0067	LF	12-1/4" Linear Type Ceiling Diffuser, 131 - 656 CFM/LF, With 2-Way Air Deflection	115.80	12.93
		For Stainless Steel, Add	*160.20*	
23 37 13 00-0068		**Return/Exhaust Registers And Grilles** *(23 37 13)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0069		Return/Exhaust Registers With Frame *(23 37 13 00-0068)*		
		Note: Single deflection with opposed blade damper aluminum construction wall or ceiling mount.		
23 37 13 00-0070	EA	8" x 4" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	65.48	6.90
		For Steel Construction, Deduct	*-7.75*	
		For Grilles (No Damper), Deduct	*-15.49*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*3.87*	
		For Cube Core Lay In, Add	*7.75*	
		For Stainless Steel, Add	*96.83*	
23 37 13 00-0071	EA	8" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	73.90	6.90
		For Steel Construction, Deduct	*-9.43*	
		For Grilles (No Damper), Deduct	*-18.86*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*4.72*	
		For Cube Core Lay In, Add	*9.43*	
		For Stainless Steel, Add	*117.88*	
23 37 13 00-0072	EA	10" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	83.24	7.76
		For Steel Construction, Deduct	*-10.44*	
		For Grilles (No Damper), Deduct	*-20.88*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*5.22*	
		For Cube Core Lay In, Add	*10.44*	
		For Stainless Steel, Add	*130.50*	
23 37 13 00-0073	EA	10" x 10" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	88.28	8.62
		For Steel Construction, Deduct	*-10.44*	
		For Grilles (No Damper), Deduct	*-20.88*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*5.22*	
		For Cube Core Lay In, Add	*10.44*	
		For Stainless Steel, Add	*130.50*	
23 37 13 00-0074	EA	12" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	84.91	8.62
		For Steel Construction, Deduct	*-9.77*	
		For Grilles (No Damper), Deduct	*-19.53*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*4.88*	
		For Cube Core Lay In, Add	*9.77*	
		For Stainless Steel, Add	*122.08*	
23 37 13 00-0075	EA	12" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	108.31	11.20
		For Steel Construction, Deduct	*-12.80*	
		For Grilles (No Damper), Deduct	*-25.59*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*6.40*	
		For Cube Core Lay In, Add	*12.80*	
		For Stainless Steel, Add	*159.95*	
23 37 13 00-0076	EA	16" x 16" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	129.91	12.93
		For Steel Construction, Deduct	*-15.28*	
		For Grilles (No Damper), Deduct	*-30.56*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*7.64*	
		For Cube Core Lay In, Add	*15.28*	
		For Stainless Steel, Add	*191.00*	
23 37 13 00-0077	EA	18" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	158.03	15.51
		For Steel Construction, Deduct	*-19.19*	
		For Grilles (No Damper), Deduct	*-38.39*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*9.60*	
		For Cube Core Lay In, Add	*19.19*	
		For Stainless Steel, Add	*239.93*	
23 37 13 00-0078	EA	20" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	183.68	17.24
		For Steel Construction, Deduct	*-23.24*	
		For Grilles (No Damper), Deduct	*-46.49*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*11.62*	
		For Cube Core Lay In, Add	*23.24*	
		For Stainless Steel, Add	*290.55*	
23 37 13 00-0079	EA	24" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	167.74	17.24
		For Steel Construction, Deduct	*-19.44*	
		For Grilles (No Damper), Deduct	*-38.88*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*9.72*	
		For Cube Core Lay In, Add	*19.44*	
		For Stainless Steel, Add	*243.03*	
23 37 13 00-0080	EA	24" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	188.39	17.24
		For Steel Construction, Deduct	*-23.57*	
		For Grilles (No Damper), Deduct	*-47.14*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*11.79*	
		For Cube Core Lay In, Add	*23.57*	
		For Stainless Steel, Add	*294.65*	
23 37 13 00-0081	EA	24" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	199.74	19.82
		For Steel Construction, Deduct	*-24.43*	
		For Grilles (No Damper), Deduct	*-48.86*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*12.22*	
		For Cube Core Lay In, Add	*24.43*	
		For Stainless Steel, Add	*305.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0082	EA	30" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	211.49	20.69
		For Steel Construction, Deduct	*-25.97*	
		For Grilles (No Damper), Deduct	*-51.93*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*12.98*	
		For Cube Core Lay In, Add	*25.97*	
		For Stainless Steel, Add	*324.58*	
23 37 13 00-0083	EA	30" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	242.80	23.27
		For Steel Construction, Deduct	*-30.31*	
		For Grilles (No Damper), Deduct	*-60.61*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*15.15*	
		For Cube Core Lay In, Add	*30.31*	
		For Stainless Steel, Add	*378.83*	
23 37 13 00-0084	EA	30" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	274.82	27.58
		For Steel Construction, Deduct	*-32.80*	
		For Grilles (No Damper), Deduct	*-65.60*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*16.40*	
		For Cube Core Lay In, Add	*32.80*	
		For Stainless Steel, Add	*409.98*	
23 37 13 00-0085	EA	30" x 30" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	346.12	27.58
		For Steel Construction, Deduct	*-47.06*	
		For Grilles (No Damper), Deduct	*-94.12*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*23.53*	
		For Cube Core Lay In, Add	*47.06*	
		For Stainless Steel, Add	*588.23*	
23 37 13 00-0086	EA	36" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	296.51	30.17
		For Steel Construction, Deduct	*-35.43*	
		For Grilles (No Damper), Deduct	*-70.86*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*17.72*	
		For Cube Core Lay In, Add	*35.43*	
		For Stainless Steel, Add	*442.90*	
23 37 13 00-0087	EA	36" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	289.73	29.31
		For Steel Construction, Deduct	*-34.08*	
		For Grilles (No Damper), Deduct	*-68.15*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*17.04*	
		For Cube Core Lay In, Add	*34.08*	
		For Stainless Steel, Add	*425.95*	
23 37 13 00-0088	EA	36" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	327.73	32.76
		For Steel Construction, Deduct	*-39.69*	
		For Grilles (No Damper), Deduct	*-79.37*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*19.84*	
		For Cube Core Lay In, Add	*39.69*	
		For Stainless Steel, Add	*496.08*	
23 37 13 00-0089	EA	36" x 36" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	433.10	35.35
		For Steel Construction, Deduct	*-58.41*	
		For Grilles (No Damper), Deduct	*-116.82*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*29.20*	
		For Cube Core Lay In, Add	*58.41*	
		For Stainless Steel, Add	*730.10*	
23 37 13 00-0090	EA	24" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	197.71	19.91
		For Steel Construction, Deduct	*-23.63*	
		For Grilles (No Damper), Deduct	*-47.26*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*11.82*	
		For Cube Core Lay In, Add	*23.63*	
		For Stainless Steel, Add	*295.40*	
23 37 13 00-0091	EA	32" x 40" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	356.90	35.25
		For Steel Construction, Deduct	*-43.17*	
		For Grilles (No Damper), Deduct	*-86.34*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*21.58*	
		For Cube Core Lay In, Add	*43.17*	
		For Stainless Steel, Add	*539.60*	
23 37 13 00-0092	EA	48" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	376.97	34.48
		For Steel Construction, Deduct	*-49.53*	
		For Grilles (No Damper), Deduct	*-99.07*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*24.77*	
		For Cube Core Lay In, Add	*49.53*	
		For Stainless Steel, Add	*619.18*	

23 37 13 00-0093 Return/Exhaust Registers Removable-Reversible *(23 37 13 00-0068)*

Note: Double deflection core and opposed blade damper radiused frame with boarder aluminum construction.

23 37 13 00-0094	EA	8" x 4" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	61.10	6.90
		For Steel Construction, Deduct	*-3.44*	
		For Flat Frame, Deduct	*-0.34*	
		For Grilles (No Damper), Deduct	*-6.87*	
		For Stainless Steel, Add	*85.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0095	EA	8" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	61.10	6.90
		For Steel Construction, Deduct	*-3.44*	
		For Flat Frame, Deduct	*-0.34*	
		For Grilles (No Damper), Deduct	*-6.87*	
		For Stainless Steel, Add	*85.88*	
23 37 13 00-0096	EA	10" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	74.48	7.76
		For Steel Construction, Deduct	*-4.34*	
		For Flat Frame, Deduct	*-0.43*	
		For Grilles (No Damper), Deduct	*-8.69*	
		For Stainless Steel, Add	*108.60*	
23 37 13 00-0097	EA	10" x 10" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	85.58	9.48
		For Steel Construction, Deduct	*-4.95*	
		For Flat Frame, Deduct	*-0.50*	
		For Grilles (No Damper), Deduct	*-9.90*	
		For Stainless Steel, Add	*123.75*	
23 37 13 00-0098	EA	12" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	84.57	8.62
		For Steel Construction, Deduct	*-4.85*	
		For Flat Frame, Deduct	*-0.48*	
		For Grilles (No Damper), Deduct	*-9.70*	
		For Stainless Steel, Add	*121.23*	
23 37 13 00-0099	EA	12" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	108.99	11.20
		For Steel Construction, Deduct	*-6.47*	
		For Flat Frame, Deduct	*-0.65*	
		For Grilles (No Damper), Deduct	*-12.93*	
		For Stainless Steel, Add	*161.65*	
23 37 13 00-0100	EA	16" x 16" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	170.37	13.79
		For Steel Construction, Deduct	*-11.69*	
		For Flat Frame, Deduct	*-1.17*	
		For Grilles (No Damper), Deduct	*-23.37*	
		For Stainless Steel, Add	*292.15*	
23 37 13 00-0101	EA	18" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	204.51	15.51
		For Steel Construction, Deduct	*-14.25*	
		For Flat Frame, Deduct	*-1.42*	
		For Grilles (No Damper), Deduct	*-28.49*	
		For Stainless Steel, Add	*356.13*	
23 37 13 00-0102	EA	20" x 20" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	230.12	17.24
		For Steel Construction, Deduct	*-16.27*	
		For Flat Frame, Deduct	*-1.63*	
		For Grilles (No Damper), Deduct	*-32.53*	
		For Stainless Steel, Add	*406.65*	
23 37 13 00-0103	EA	24" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	195.80	17.24
		For Steel Construction, Deduct	*-12.53*	
		For Flat Frame, Deduct	*-1.25*	
		For Grilles (No Damper), Deduct	*-25.05*	
		For Stainless Steel, Add	*313.18*	
23 37 13 00-0104	EA	24" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	256.42	18.10
		For Steel Construction, Deduct	*-18.59*	
		For Flat Frame, Deduct	*-1.86*	
		For Grilles (No Damper), Deduct	*-37.18*	
		For Stainless Steel, Add	*464.73*	
23 37 13 00-0105	EA	24" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	297.82	19.82
		For Steel Construction, Deduct	*-22.02*	
		For Flat Frame, Deduct	*-2.20*	
		For Grilles (No Damper), Deduct	*-44.05*	
		For Stainless Steel, Add	*550.60*	
23 37 13 00-0106	EA	30" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	235.22	20.69
		For Steel Construction, Deduct	*-15.36*	
		For Flat Frame, Deduct	*-1.54*	
		For Grilles (No Damper), Deduct	*-30.71*	
		For Stainless Steel, Add	*383.90*	
23 37 13 00-0107	EA	30" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	317.57	23.27
		For Steel Construction, Deduct	*-22.63*	
		For Flat Frame, Deduct	*-2.26*	
		For Grilles (No Damper), Deduct	*-45.26*	
		For Stainless Steel, Add	*565.75*	
23 37 13 00-0108	EA	30" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	382.60	27.58
		For Steel Construction, Deduct	*-27.18*	
		For Flat Frame, Deduct	*-2.72*	
		For Grilles (No Damper), Deduct	*-54.35*	
		For Stainless Steel, Add	*679.43*	
23 37 13 00-0109	EA	30" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	433.61	27.58
		For Steel Construction, Deduct	*-32.28*	
		For Flat Frame, Deduct	*-3.23*	
		For Grilles (No Damper), Deduct	*-64.56*	
		For Stainless Steel, Add	*806.95*	
23 37 13 00-0110	EA	36" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	308.27	29.31
		For Steel Construction, Deduct	*-18.89*	
		For Flat Frame, Deduct	*-1.89*	
		For Grilles (No Damper), Deduct	*-37.78*	
		For Stainless Steel, Add	*472.30*	
23 37 13 00-0111	EA	36" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	405.26	29.31
		For Steel Construction, Deduct	*-28.59*	
		For Flat Frame, Deduct	*-2.86*	
		For Grilles (No Damper), Deduct	*-57.18*	
		For Stainless Steel, Add	*714.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0112	EA	36" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	466.73	32.76
		For Steel Construction, Deduct	*-33.74*	
		For Flat Frame, Deduct	*-3.37*	
		For Grilles (No Damper), Deduct	*-67.49*	
		For Stainless Steel, Add	*843.58*	
23 37 13 00-0113	EA	36" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	542.65	35.35
		For Steel Construction, Deduct	*-40.16*	
		For Flat Frame, Deduct	*-4.02*	
		For Grilles (No Damper), Deduct	*-80.32*	
		For Stainless Steel, Add	*1,003.98*	
23 37 13 00-0114	EA	36" x 36" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	570.93	35.35
		For Steel Construction, Deduct	*-42.99*	
		For Flat Frame, Deduct	*-4.30*	
		For Grilles (No Damper), Deduct	*-85.97*	
		For Stainless Steel, Add	*1,074.68*	

23 37 13 00-0115 Aluminum Eggcrate Ceiling Return Air And Exhaust Grilles *(23 37 13 00-0068)*

23 37 13 00-0116	EA	6" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	36.97	8.42
23 37 13 00-0117	EA	8" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	36.97	8.42
23 37 13 00-0118	EA	8" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	39.60	8.42
23 37 13 00-0119	EA	8" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	40.65	8.42
23 37 13 00-0120	EA	10" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	39.60	8.42
23 37 13 00-0121	EA	10" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	40.65	8.42
23 37 13 00-0122	EA	10" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	49.64	11.04
23 37 13 00-0123	EA	10" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	50.69	11.04
23 37 13 00-0124	EA	12" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	48.59	11.04
23 37 13 00-0125	EA	12" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	50.69	11.04
23 37 13 00-0126	EA	12" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	51.74	11.04
23 37 13 00-0127	EA	12" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	52.80	11.04
23 37 13 00-0128	EA	14" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	51.22	11.04
23 37 13 00-0129	EA	14" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	53.32	11.04
23 37 13 00-0130	EA	14" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	54.37	11.04
23 37 13 00-0131	EA	14" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	59.11	11.04
23 37 13 00-0132	EA	16" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	53.32	11.04
23 37 13 00-0133	EA	16" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	57.00	11.04
23 37 13 00-0134	EA	16" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	59.11	11.04
23 37 13 00-0135	EA	16" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	77.61	16.27
23 37 13 00-0136	EA	16" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	78.66	16.27
23 37 13 00-0137	EA	18" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	76.55	16.27
23 37 13 00-0138	EA	18" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	92.91	18.89
23 37 13 00-0139	EA	20" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	75.50	16.27
23 37 13 00-0140	EA	20" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	98.17	18.89
23 37 13 00-0141	EA	22" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	52.27	11.04
23 37 13 00-0142	EA	22" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	76.55	16.27
23 37 13 00-0143	EA	22" x 22" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	110.32	21.51
23 37 13 00-0144	EA	24" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	75.50	16.27
23 37 13 00-0145	EA	24" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	77.61	16.27
23 37 13 00-0146	EA	24" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	89.75	18.89
		For Lay-In Installation, Deduct	*-39.91*	
23 37 13 00-0147	EA	24" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	92.91	18.89
23 37 13 00-0148	EA	24" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	104.01	21.51
23 37 13 00-0149	EA	24" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	107.17	21.51
23 37 13 00-0150	EA	24" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	110.85	21.51
23 37 13 00-0151	EA	24" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	117.68	21.51
		For Lay-In Installation, Deduct	*-45.69*	
23 37 13 00-0152	EA	30" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	91.33	18.89
23 37 13 00-0153	EA	48" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	142.43	23.58
23 37 13 00-0154	EA	48" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	234.56	28.81
		For Lay-In Installation, Deduct	*-65.75*	

23 37 13 00-0155 Supply Registers and Grilles *(23 37 13)*

23 37 13 00-0156 Adjustable Curved Blade Register *(23 37 13 00-0155)*

Note: Ceiling mount aluminum construction four way pattern flush frame.

23 37 13 00-0157	EA	6" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	56.15	6.90
		For Steel Construction, Deduct	*-4.42*	
		For Lay In Frame, Deduct	*-7.36*	
		For Three Way Pattern, Deduct	*-2.94*	
		For Two Way Pattern, Deduct	*-2.36*	
		For One Way Pattern, Deduct	*-2.36*	
		For Grille (No Damper), Deduct	*-4.42*	
		For Stainless Steel, Add	*73.60*	
23 37 13 00-0158	EA	8" x 8" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	57.88	6.90
		For Steel Construction, Deduct	*-4.68*	
		For Lay In Frame, Deduct	*-7.79*	
		For Three Way Pattern, Deduct	*-3.12*	
		For Two Way Pattern, Deduct	*-2.49*	
		For One Way Pattern, Deduct	*-2.49*	
		For Grille (No Damper), Deduct	*-4.68*	
		For Stainless Steel, Add	*77.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0159	EA	12" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	65.61	9.48
		For Steel Construction, Deduct	*-4.42*	
		For Lay In Frame, Deduct	*-7.36*	
		For Three Way Pattern, Deduct	*-2.94*	
		For Two Way Pattern, Deduct	*-2.36*	
		For One Way Pattern, Deduct	*-2.36*	
		For Grille (No Damper), Deduct	*-4.42*	
		For Stainless Steel, Add	*73.60*	
23 37 13 00-0160	EA	10" x 10" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	71.96	8.62
		For Steel Construction, Deduct	*-5.37*	
		For Lay In Frame, Deduct	*-8.95*	
		For Three Way Pattern, Deduct	*-3.58*	
		For Two Way Pattern, Deduct	*-2.86*	
		For One Way Pattern, Deduct	*-2.86*	
		For Grille (No Damper), Deduct	*-5.37*	
		For Stainless Steel, Add	*89.48*	
23 37 13 00-0161	EA	12" x 12" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	86.67	11.20
		For Steel Construction, Deduct	*-6.41*	
		For Lay In Frame, Deduct	*-10.68*	
		For Three Way Pattern, Deduct	*-4.27*	
		For Two Way Pattern, Deduct	*-3.42*	
		For One Way Pattern, Deduct	*-3.42*	
		For Grille (No Damper), Deduct	*-6.41*	
		For Stainless Steel, Add	*106.80*	
23 37 13 00-0162	EA	14" x 14" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	106.62	12.93
		For Steel Construction, Deduct	*-7.97*	
		For Lay In Frame, Deduct	*-13.28*	
		For Three Way Pattern, Deduct	*-5.31*	
		For Two Way Pattern, Deduct	*-4.25*	
		For One Way Pattern, Deduct	*-4.25*	
		For Grille (No Damper), Deduct	*-7.97*	
		For Stainless Steel, Add	*132.78*	
23 37 13 00-0163	EA	16" x 16" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	106.62	12.93
		For Steel Construction, Deduct	*-7.97*	
		For Lay In Frame, Deduct	*-13.28*	
		For Three Way Pattern, Deduct	*-5.31*	
		For Two Way Pattern, Deduct	*-4.25*	
		For One Way Pattern, Deduct	*-4.25*	
		For Grille (No Damper), Deduct	*-7.97*	
		For Stainless Steel, Add	*132.78*	
23 37 13 00-0164	EA	18" x 18" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	131.83	17.24
		For Steel Construction, Deduct	*-9.70*	
		For Lay In Frame, Deduct	*-16.17*	
		For Three Way Pattern, Deduct	*-6.47*	
		For Two Way Pattern, Deduct	*-5.17*	
		For One Way Pattern, Deduct	*-5.17*	
		For Grille (No Damper), Deduct	*-9.70*	
		For Stainless Steel, Add	*161.65*	
23 37 13 00-0165	EA	24" x 24" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	168.09	18.10
		For Steel Construction, Deduct	*-14.63*	
		For Lay In Frame, Deduct	*-24.39*	
		For Three Way Pattern, Deduct	*-9.76*	
		For Two Way Pattern, Deduct	*-7.80*	
		For One Way Pattern, Deduct	*-7.80*	
		For Grille (No Damper), Deduct	*-14.63*	
		For Stainless Steel, Add	*243.90*	
23 37 13 00-0166	EA	30" x 30" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	260.45	36.55
		For Steel Construction, Deduct	*-28.10*	
		For Lay In Frame, Deduct	*-46.84*	
		For Three Way Pattern, Deduct	*-18.73*	
		For Two Way Pattern, Deduct	*-14.99*	
		For One Way Pattern, Deduct	*-14.99*	
		For Grille (No Damper), Deduct	*-28.10*	
		For Stainless Steel, Add	*468.35*	

23 37 13 00-0167 Removable-Reversible Core Registers *(23 37 13 00-0155)*

Note: Double deflection radiused frame aluminum construction.

23 37 13 00-0168	EA	6" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	63.66	6.90
		For Steel Construction, Deduct	*-3.70*	
		For Flat Frame, Deduct	*-3.70*	
		For Grille (No Damper), Deduct	*-11.09*	
		For Stainless Steel, Add	*92.38*	
23 37 13 00-0169	EA	8" x 8" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	78.67	6.90
		For Steel Construction, Deduct	*-5.20*	
		For Flat Frame, Deduct	*-5.20*	
		For Grille (No Damper), Deduct	*-15.59*	
		For Stainless Steel, Add	*129.90*	
23 37 13 00-0170	EA	12" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	100.83	9.48
		For Steel Construction, Deduct	*-6.47*	
		For Flat Frame, Deduct	*-6.47*	
		For Grille (No Damper), Deduct	*-19.40*	
		For Stainless Steel, Add	*161.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0171	EA	10" x 10" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	101.98	9.48
		For Steel Construction, Deduct	*-6.58*	
		For Flat Frame, Deduct	*-6.58*	
		For Grille (No Damper), Deduct	*-19.74*	
		For Stainless Steel, Add	*164.53*	
23 37 13 00-0172	EA	12" x 12" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	129.39	11.20
		For Steel Construction, Deduct	*-8.54*	
		For Flat Frame, Deduct	*-8.54*	
		For Grille (No Damper), Deduct	*-25.63*	
		For Stainless Steel, Add	*213.60*	
23 37 13 00-0173	EA	14" x 14" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	181.67	13.79
		For Steel Construction, Deduct	*-12.82*	
		For Flat Frame, Deduct	*-12.82*	
		For Grille (No Damper), Deduct	*-38.45*	
		For Stainless Steel, Add	*320.40*	
23 37 13 00-0174	EA	16" x 16" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	202.45	12.93
		For Steel Construction, Deduct	*-14.89*	
		For Flat Frame, Deduct	*-14.89*	
		For Grille (No Damper), Deduct	*-44.68*	
		For Stainless Steel, Add	*372.35*	
23 37 13 00-0175	EA	18" x 18" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	244.98	17.24
		For Steel Construction, Deduct	*-17.78*	
		For Flat Frame, Deduct	*-17.78*	
		For Grille (No Damper), Deduct	*-53.34*	
		For Stainless Steel, Add	*444.53*	
23 37 13 00-0176	EA	24" x 24" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	304.91	17.24
		For Steel Construction, Deduct	*-23.44*	
		For Flat Frame, Deduct	*-23.44*	
		For Grille (No Damper), Deduct	*-70.31*	
		For Stainless Steel, Add	*585.95*	

23 37 13 00-0177 Adjustable Shutter Blade Registers *(23 37 13 00-0155)*

Note: Double deflection flat frame aluminum construction.

23 37 13 00-0178	EA	6" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	94.06	6.90
		For Steel Construction, Deduct	*-6.74*	
		For Single Deflection, Deduct	*-13.47*	
		For Grille (No Damper), Deduct	*-10.10*	
		For Stainless Steel, Add	*168.38*	
23 37 13 00-0179	EA	8" x 8" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	107.53	6.90
		For Steel Construction, Deduct	*-8.08*	
		For Single Deflection, Deduct	*-16.16*	
		For Grille (No Damper), Deduct	*-12.12*	
		For Stainless Steel, Add	*202.05*	
23 37 13 00-0180	EA	12" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	116.99	9.48
		For Steel Construction, Deduct	*-8.08*	
		For Single Deflection, Deduct	*-16.16*	
		For Grille (No Damper), Deduct	*-12.12*	
		For Stainless Steel, Add	*202.05*	
23 37 13 00-0181	EA	10" x 10" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	120.84	8.62
		For Steel Construction, Deduct	*-8.47*	
		For Single Deflection, Deduct	*-16.93*	
		For Grille (No Damper), Deduct	*-12.70*	
		For Stainless Steel, Add	*211.68*	
23 37 13 00-0182	EA	12" x 12" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	147.86	11.20
		For Steel Construction, Deduct	*-10.39*	
		For Single Deflection, Deduct	*-20.78*	
		For Grille (No Damper), Deduct	*-15.59*	
		For Stainless Steel, Add	*259.78*	
23 37 13 00-0183	EA	14" x 14" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	195.91	12.93
		For Steel Construction, Deduct	*-14.24*	
		For Single Deflection, Deduct	*-28.48*	
		For Grille (No Damper), Deduct	*-21.36*	
		For Stainless Steel, Add	*356.00*	
23 37 13 00-0184	EA	16" x 16" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	228.63	13.79
		For Steel Construction, Deduct	*-17.51*	
		For Single Deflection, Deduct	*-35.02*	
		For Grille (No Damper), Deduct	*-26.27*	
		For Stainless Steel, Add	*437.80*	
23 37 13 00-0185	EA	18" x 18" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	282.70	17.24
		For Steel Construction, Deduct	*-21.55*	
		For Single Deflection, Deduct	*-43.11*	
		For Grille (No Damper), Deduct	*-32.33*	
		For Stainless Steel, Add	*538.83*	
23 37 13 00-0186	EA	24" x 24" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	384.20	18.10
		For Steel Construction, Deduct	*-31.37*	
		For Single Deflection, Deduct	*-62.73*	
		For Grille (No Damper), Deduct	*-47.05*	
		For Stainless Steel, Add	*784.18*	

23 37 13 00-0187 Air Conditioning And Ventilation *(23 37 13 00-0155)*

23 37 13 00-0188	EA	10" x 16" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	49.53	18.10
		For Stainless Steel, Add	*33.40*	
23 37 13 00-0189	EA	18" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	80.60	26.94
		For Stainless Steel, Add	*66.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0190	EA	30" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	119.95	37.71
		For Stainless Steel, Add	*111.33*	
23 37 13 00-0191	EA	48" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	250.39	51.72
		For Stainless Steel, Add	*367.38*	

23 37 13 00-0192 Security Supply Or Return Grille *(23 37 13 00-0155)*

Note: Designed for maximum security applications, 3/16" steel face plate with 2" x 2" square holes, 1/4" steel backer plate, 3/16" welded steel sleeve, 10 gauge x 2 wire mesh between face and backer plates, 1" x 1" x 3/16" angle iron frame, standard finish.

23 37 13 00-0193	EA	8" x 4" Steel Security Grille	144.14	12.93
		For Anchoring Tabs, Add	*11.83*	
		For Angle Iron Frame, Add	*20.33*	
		For Rear Operated Opposed Blade Damper, Add	*43.98*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*29.57*	
		For Stainless Steel, Add	*153.76*	
23 37 13 00-0194	EA	8" x 6" Steel Security Grille	159.35	13.36
		For Anchoring Tabs, Add	*13.26*	
		For Angle Iron Frame, Add	*22.57*	
		For Rear Operated Opposed Blade Damper, Add	*49.09*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*33.16*	
		For Stainless Steel, Add	*172.41*	
23 37 13 00-0195	EA	8" x 8" Steel Security Grille	182.50	15.09
		For Anchoring Tabs, Add	*15.23*	
		For Angle Iron Frame, Add	*25.87*	
		For Rear Operated Opposed Blade Damper, Add	*56.33*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*38.08*	
		For Stainless Steel, Add	*198.03*	
23 37 13 00-0196	EA	10" x 4" Steel Security Grille	160.14	14.65
		For Anchoring Tabs, Add	*13.08*	
		For Angle Iron Frame, Add	*22.56*	
		For Rear Operated Opposed Blade Damper, Add	*48.72*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*32.71*	
		For Stainless Steel, Add	*170.07*	
23 37 13 00-0197	EA	10" x 6" Steel Security Grille	170.83	15.52
		For Anchoring Tabs, Add	*13.98*	
		For Angle Iron Frame, Add	*24.07*	
		For Rear Operated Opposed Blade Damper, Add	*52.03*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*34.95*	
		For Stainless Steel, Add	*181.73*	
23 37 13 00-0198	EA	10" x 8" Steel Security Grille	194.91	16.82
		For Anchoring Tabs, Add	*16.13*	
		For Angle Iron Frame, Add	*27.56*	
		For Rear Operated Opposed Blade Damper, Add	*59.81*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*40.32*	
		For Stainless Steel, Add	*209.68*	
23 37 13 00-0199	EA	10" x 10" Steel Security Grille	217.21	18.11
		For Anchoring Tabs, Add	*18.10*	
		For Angle Iron Frame, Add	*30.77*	
		For Rear Operated Opposed Blade Damper, Add	*66.97*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*45.25*	
		For Stainless Steel, Add	*235.30*	
23 37 13 00-0200	EA	12" x 4" Steel Security Grille	168.96	16.38
		For Anchoring Tabs, Add	*13.62*	
		For Angle Iron Frame, Add	*23.71*	
		For Rear Operated Opposed Blade Damper, Add	*50.95*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*34.05*	
		For Stainless Steel, Add	*177.06*	
23 37 13 00-0201	EA	12" x 6" Steel Security Grille	188.54	18.11
		For Anchoring Tabs, Add	*15.23*	
		For Angle Iron Frame, Add	*26.47*	
		For Rear Operated Opposed Blade Damper, Add	*56.94*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*38.08*	
		For Stainless Steel, Add	*198.03*	
23 37 13 00-0202	EA	12" x 8" Steel Security Grille	214.43	19.40
		For Anchoring Tabs, Add	*17.56*	
		For Angle Iron Frame, Add	*30.22*	
		For Rear Operated Opposed Blade Damper, Add	*65.35*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*43.91*	
		For Stainless Steel, Add	*228.32*	
23 37 13 00-0203	EA	12" x 10" Steel Security Grille	233.14	20.69
		For Anchoring Tabs, Add	*19.18*	
		For Angle Iron Frame, Add	*32.90*	
		For Rear Operated Opposed Blade Damper, Add	*71.25*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*47.94*	
		For Stainless Steel, Add	*249.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0204	EA	12" x 12" Steel Security Grille	257.23	21.99
		For Anchoring Tabs, Add	*21.33*	
		For Angle Iron Frame, Add	*36.39*	
		For Rear Operated Opposed Blade Damper, Add	*79.04*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*53.32*	
		For Stainless Steel, Add	*277.24*	
23 37 13 00-0205	EA	14" x 4" Steel Security Grille	180.50	17.67
		For Anchoring Tabs, Add	*14.52*	
		For Angle Iron Frame, Add	*25.31*	
		For Rear Operated Opposed Blade Damper, Add	*54.34*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*36.29*	
		For Stainless Steel, Add	*188.71*	
23 37 13 00-0206	EA	14" x 6" Steel Security Grille	202.80	18.97
		For Anchoring Tabs, Add	*16.49*	
		For Angle Iron Frame, Add	*28.52*	
		For Rear Operated Opposed Blade Damper, Add	*61.50*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*41.22*	
		For Stainless Steel, Add	*214.33*	
23 37 13 00-0207	EA	14" x 8" Steel Security Grille	225.97	20.69
		For Anchoring Tabs, Add	*18.46*	
		For Angle Iron Frame, Add	*31.83*	
		For Rear Operated Opposed Blade Damper, Add	*68.74*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*46.15*	
		For Stainless Steel, Add	*239.97*	
23 37 13 00-0208	EA	14" x 10" Steel Security Grille	254.52	22.41
		For Anchoring Tabs, Add	*20.97*	
		For Angle Iron Frame, Add	*35.94*	
		For Rear Operated Opposed Blade Damper, Add	*77.87*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*52.42*	
		For Stainless Steel, Add	*272.58*	
23 37 13 00-0209	EA	14" x 12" Steel Security Grille	280.32	24.58
		For Anchoring Tabs, Add	*23.12*	
		For Angle Iron Frame, Add	*39.59*	
		For Rear Operated Opposed Blade Damper, Add	*85.83*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*57.80*	
		For Stainless Steel, Add	*300.53*	
23 37 13 00-0210	EA	14" x 14" Steel Security Grille	301.69	26.30
		For Anchoring Tabs, Add	*24.91*	
		For Angle Iron Frame, Add	*42.62*	
		For Rear Operated Opposed Blade Damper, Add	*92.44*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*62.28*	
		For Stainless Steel, Add	*323.83*	
23 37 13 00-0211	EA	16" x 6" Steel Security Grille	217.01	20.69
		For Anchoring Tabs, Add	*17.56*	
		For Angle Iron Frame, Add	*30.48*	
		For Rear Operated Opposed Blade Damper, Add	*65.61*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*43.91*	
		For Stainless Steel, Add	*228.32*	
23 37 13 00-0212	EA	16" x 8" Steel Security Grille	247.35	22.41
		For Anchoring Tabs, Add	*20.25*	
		For Angle Iron Frame, Add	*34.86*	
		For Rear Operated Opposed Blade Damper, Add	*75.36*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*50.63*	
		For Stainless Steel, Add	*263.26*	
23 37 13 00-0213	EA	16" x 10" Steel Security Grille	266.92	24.14
		For Anchoring Tabs, Add	*21.86*	
		For Angle Iron Frame, Add	*37.62*	
		For Rear Operated Opposed Blade Damper, Add	*81.35*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*54.66*	
		For Stainless Steel, Add	*284.23*	
23 37 13 00-0214	EA	16" x 12" Steel Security Grille	299.96	25.43
		For Anchoring Tabs, Add	*24.91*	
		For Angle Iron Frame, Add	*42.45*	
		For Rear Operated Opposed Blade Damper, Add	*92.27*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*62.28*	
		For Stainless Steel, Add	*323.83*	
23 37 13 00-0215	EA	16" x 14" Steel Security Grille	317.76	27.16
		For Anchoring Tabs, Add	*26.34*	
		For Angle Iron Frame, Add	*44.95*	
		For Rear Operated Opposed Blade Damper, Add	*97.64*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*65.86*	
		For Stainless Steel, Add	*342.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0216	EA	16" x 16" Steel Security Grille	344.51	28.88
		For Anchoring Tabs, Add	*28.67*	
		For Angle Iron Frame, Add	*48.79*	
		For Rear Operated Opposed Blade Damper, Add	*106.14*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*71.69*	
		For Stainless Steel, Add	*372.76*	
23 37 13 00-0217	EA	18" x 6" Steel Security Grille	231.15	23.28
		For Anchoring Tabs, Add	*18.46*	
		For Angle Iron Frame, Add	*32.34*	
		For Rear Operated Opposed Blade Damper, Add	*69.26*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*46.15*	
		For Stainless Steel, Add	*239.97*	
23 37 13 00-0218	EA	18" x 8" Steel Security Grille	263.27	25.00
		For Anchoring Tabs, Add	*21.33*	
		For Angle Iron Frame, Add	*36.99*	
		For Rear Operated Opposed Blade Damper, Add	*79.64*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*53.32*	
		For Stainless Steel, Add	*277.24*	
23 37 13 00-0219	EA	18" x 10" Steel Security Grille	288.22	26.73
		For Anchoring Tabs, Add	*23.48*	
		For Angle Iron Frame, Add	*40.56*	
		For Rear Operated Opposed Blade Damper, Add	*87.51*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*58.69*	
		For Stainless Steel, Add	*305.20*	
23 37 13 00-0220	EA	18" x 12" Steel Security Grille	316.76	28.45
		For Anchoring Tabs, Add	*25.99*	
		For Angle Iron Frame, Add	*44.67*	
		For Rear Operated Opposed Blade Damper, Add	*96.64*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*64.97*	
		For Stainless Steel, Add	*337.82*	
23 37 13 00-0221	EA	18" x 14" Steel Security Grille	337.41	28.02
		For Anchoring Tabs, Add	*28.14*	
		For Angle Iron Frame, Add	*47.81*	
		For Rear Operated Opposed Blade Damper, Add	*104.08*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*70.34*	
		For Stainless Steel, Add	*365.77*	
23 37 13 00-0222	EA	18" x 16" Steel Security Grille	368.66	29.32
		For Anchoring Tabs, Add	*31.00*	
		For Angle Iron Frame, Add	*52.37*	
		For Rear Operated Opposed Blade Damper, Add	*114.38*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*77.51*	
		For Stainless Steel, Add	*403.05*	
23 37 13 00-0223	EA	18" x 18" Steel Security Grille	394.55	30.60
		For Anchoring Tabs, Add	*33.33*	
		For Angle Iron Frame, Add	*56.12*	
		For Rear Operated Opposed Blade Damper, Add	*122.79*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*83.33*	
		For Stainless Steel, Add	*433.33*	
23 37 13 00-0224	EA	20" x 6" Steel Security Grille	247.99	25.43
		For Anchoring Tabs, Add	*19.71*	
		For Angle Iron Frame, Add	*34.66*	
		For Rear Operated Opposed Blade Damper, Add	*74.08*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*49.28*	
		For Stainless Steel, Add	*256.27*	
23 37 13 00-0225	EA	20" x 8" Steel Security Grille	280.06	28.02
		For Anchoring Tabs, Add	*22.40*	
		For Angle Iron Frame, Add	*39.21*	
		For Rear Operated Opposed Blade Damper, Add	*84.01*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*56.00*	
		For Stainless Steel, Add	*291.21*	
23 37 13 00-0226	EA	20" x 10" Steel Security Grille	307.72	29.32
		For Anchoring Tabs, Add	*24.91*	
		For Angle Iron Frame, Add	*43.23*	
		For Rear Operated Opposed Blade Damper, Add	*93.05*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*62.28*	
		For Stainless Steel, Add	*323.83*	
23 37 13 00-0227	EA	20" x 12" Steel Security Grille	338.06	31.04
		For Anchoring Tabs, Add	*27.60*	
		For Angle Iron Frame, Add	*47.61*	
		For Rear Operated Opposed Blade Damper, Add	*102.80*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*69.00*	
		For Stainless Steel, Add	*358.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0228	EA	20" x 14" Steel Security Grille	371.11	32.34
		For Anchoring Tabs, Add	*30.65*	
		For Angle Iron Frame, Add	*52.43*	
		For Rear Operated Opposed Blade Damper, Add	*113.72*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*76.61*	
		For Stainless Steel, Add	*398.39*	
23 37 13 00-0229	EA	20" x 16" Steel Security Grille	400.58	33.62
		For Anchoring Tabs, Add	*33.33*	
		For Angle Iron Frame, Add	*56.72*	
		For Rear Operated Opposed Blade Damper, Add	*123.39*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*83.33*	
		For Stainless Steel, Add	*433.33*	
23 37 13 00-0230	EA	20" x 18" Steel Security Grille	428.25	34.92
		For Anchoring Tabs, Add	*35.84*	
		For Angle Iron Frame, Add	*60.75*	
		For Rear Operated Opposed Blade Damper, Add	*132.43*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*89.61*	
		For Stainless Steel, Add	*465.95*	
23 37 13 00-0231	EA	20" x 20" Steel Security Grille	461.31	36.21
		For Anchoring Tabs, Add	*38.89*	
		For Angle Iron Frame, Add	*65.58*	
		For Rear Operated Opposed Blade Damper, Add	*143.35*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*97.22*	
		For Stainless Steel, Add	*505.56*	
23 37 13 00-0232	EA	24" x 6" Steel Security Grille	275.54	28.45
		For Anchoring Tabs, Add	*21.86*	
		For Angle Iron Frame, Add	*38.49*	
		For Rear Operated Opposed Blade Damper, Add	*82.21*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*54.66*	
		For Stainless Steel, Add	*284.23*	
23 37 13 00-0233	EA	24" x 8" Steel Security Grille	311.17	31.04
		For Anchoring Tabs, Add	*24.91*	
		For Angle Iron Frame, Add	*43.57*	
		For Rear Operated Opposed Blade Damper, Add	*93.39*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*62.28*	
		For Stainless Steel, Add	*323.83*	
23 37 13 00-0234	EA	24" x 10" Steel Security Grille	339.79	31.90
		For Anchoring Tabs, Add	*27.60*	
		For Angle Iron Frame, Add	*47.78*	
		For Rear Operated Opposed Blade Damper, Add	*102.98*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*69.00*	
		For Stainless Steel, Add	*358.79*	
23 37 13 00-0235	EA	24" x 12" Steel Security Grille	380.73	35.35
		For Anchoring Tabs, Add	*31.00*	
		For Angle Iron Frame, Add	*53.58*	
		For Rear Operated Opposed Blade Damper, Add	*115.58*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*77.51*	
		For Stainless Steel, Add	*403.05*	
23 37 13 00-0236	EA	24" x 14" Steel Security Grille	410.20	36.64
		For Anchoring Tabs, Add	*33.69*	
		For Angle Iron Frame, Add	*57.87*	
		For Rear Operated Opposed Blade Damper, Add	*125.25*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*84.23*	
		For Stainless Steel, Add	*438.00*	
23 37 13 00-0237	EA	24" x 16" Steel Security Grille	446.83	37.94
		For Anchoring Tabs, Add	*37.10*	
		For Angle Iron Frame, Add	*63.23*	
		For Rear Operated Opposed Blade Damper, Add	*137.43*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*92.74*	
		For Stainless Steel, Add	*482.26*	
23 37 13 00-0238	EA	24" x 18" Steel Security Grille	488.84	39.23
		For Anchoring Tabs, Add	*41.04*	
		For Angle Iron Frame, Add	*69.40*	
		For Rear Operated Opposed Blade Damper, Add	*151.48*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*102.60*	
		For Stainless Steel, Add	*533.51*	
23 37 13 00-0239	EA	24" x 20" Steel Security Grille	518.31	40.53
		For Anchoring Tabs, Add	*43.73*	
		For Angle Iron Frame, Add	*73.70*	
		For Rear Operated Opposed Blade Damper, Add	*161.15*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*109.32*	
		For Stainless Steel, Add	*568.46*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0240	EA	24" x 24" Steel Security Grille	580.82	43.11
		For Anchoring Tabs, Add	*49.46*	
		For Angle Iron Frame, Add	*82.81*	
		For Rear Operated Opposed Blade Damper, Add	*181.74*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*123.66*	
		For Stainless Steel, Add	*643.01*	
23 37 13 00-0241		Square Wall Return Air And Exhaust Grilles *(23 37 13 00-0155)*		
		Note: Egg crate design aluminum construction.		
23 37 13 00-0242	EA	8" x 8" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	51.14	21.56
23 37 13 00-0243	EA	12" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	53.61	21.56
23 37 13 00-0244	EA	18" x 18" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	80.10	32.34
23 37 13 00-0245	EA	24" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	92.45	32.34
23 37 13 00-0246	EA	28" x 28" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	141.80	43.11
23 37 13 00-0247	EA	36" x 36" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	216.45	43.10
23 37 13 00-0248		Rectangular Four-Way Adjustable Deflection Wall Supply Grilles *(23 37 13 00-0155)*		
		Note: Aluminum construction.		
23 37 13 00-0249	EA	12" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	141.54	15.52
23 37 13 00-0250	EA	14" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	158.86	15.52
23 37 13 00-0251	EA	18" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	190.21	17.24
23 37 13 00-0252	EA	24" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	220.98	17.24
23 37 13 00-0253	EA	36" x 20" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	289.89	53.88
23 37 13 00-0254		Square Ceiling Return Air And Exhaust Grilles *(23 37 13 00-0155)*		
		Note: Egg crate design, plastic construction.		
23 37 13 00-0255	EA	24" x 24" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction	29.89	10.32
23 37 13 00-0256	EA	24" x 48" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction	41.60	10.40
23 37 13 00-0257		Door Grilles Sight Proof Inverted Vee Cross Section *(23 37 13 00-0155)*		
		Note: Painted steel louvers and frame.		
23 37 13 00-0258	EA	12" x 6" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	80.82	15.52
23 37 13 00-0259	EA	12" x 12" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	104.98	15.52
23 37 13 00-0260	EA	18" x 18" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	126.15	16.38
23 37 13 00-0261	EA	24" x 24" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	166.56	19.57
23 37 13 00-0262	EA	24" x 30" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	186.32	35.95
23 37 13 00-0263		Stainless Steel Devices *(23 37 13 00-0155)*		
23 37 13 00-0264		304 Stainless Steel, Louvered Partition/Door Grilles *(23 37 13 00-0263)*		
23 37 13 00-0265	SF	Up To 4 SF, 304 Stainless Steel, Louvered Partition/Door Grille	162.00	13.45
		For 316 Stainless Steel, Add	*27.92*	
23 37 13 00-0266	SF	>4 SF, 304 Stainless Steel, Louvered Partition/Door Grille	136.53	13.45
		For 316 Stainless Steel, Add	*22.82*	
23 37 13 00-0267		304 Stainless Steel, Single Deflection Supply Grilles *(23 37 13 00-0263)*		
23 37 13 00-0268	SF	Up To 4 SF, 304 Stainless Steel, Single Deflection Supply Grille	122.41	13.45
		For 316 Stainless Steel, Add	*20.00*	
23 37 13 00-0269	SF	>4 SF, 304 Stainless Steel, Single Deflection Supply Grille	103.89	13.45
		For 316 Stainless Steel, Add	*16.30*	
23 37 13 00-0270		304 Stainless Steel, Double Deflection Supply Grilles *(23 37 13 00-0263)*		
23 37 13 00-0271	SF	Up To 4 SF, 304 Stainless Steel, Double Deflection Supply Grille	179.71	13.45
		For 316 Stainless Steel, Add	*31.46*	
23 37 13 00-0272	SF	>4 SF, 304 Stainless Steel, Double Deflection Supply Grille	152.97	13.45
		For 316 Stainless Steel, Add	*26.11*	
23 37 13 00-0273		304 Stainless Steel Return Grilles *(23 37 13 00-0263)*		
23 37 13 00-0274	SF	Up To 4 SF, 304 Stainless Steel Return Grille	122.41	13.45
		For 316 Stainless Steel, Add	*20.00*	
23 37 13 00-0275	SF	>4 SF, 304 Stainless Steel Return Grille	103.89	13.45
		For 316 Stainless Steel, Add	*16.30*	
23 37 13 00-0276		304 Stainless Steel, Louvered Supply/Return Grilles *(23 37 13 00-0263)*		
23 37 13 00-0277	SF	Up To 4 SF, 304 Stainless Steel, Louvered Supply/Return Grille	122.41	13.45
		For 316 Stainless Steel, Add	*20.00*	
23 37 13 00-0278	SF	>4 SF, 304 Stainless Steel, Louvered Supply/Return Grille	103.89	13.45
		For 316 Stainless Steel, Add	*16.30*	
23 37 13 00-0279		304 Stainless Steel, Perforated Return Grilles *(23 37 13 00-0263)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0280	SF	Up To 4 SF, 304 Stainless Steel, Perforated Return Grille	122.41	13.45
		For 316 Stainless Steel, Add	*20.00*	
23 37 13 00-0281	SF	>4 SF, 304 Stainless Steel, Perforated Return Grille	98.80	13.45
		For 316 Stainless Steel, Add	*15.28*	
23 37 13 00-0282		**304 Stainless Steel, Perforated Supply Grilles** *(23 37 13 00-0263)*		
23 37 13 00-0283	SF	Up To 4 SF, 304 Stainless Steel, Perforated Supply Grille	148.46	13.45
		For 316 Stainless Steel, Add	*25.21*	
23 37 13 00-0284	SF	>4 SF, 304 Stainless Steel, Perforated Supply Grille	101.51	13.45
		For 316 Stainless Steel, Add	*15.82*	
23 37 13 00-0285		**304 Stainless Steel, Door Grilles** *(23 37 13 00-0263)*		
23 37 13 00-0286	SF	Up To 4 SF, 304 Stainless Steel, Door Grille	222.42	13.45
		For 316 Stainless Steel, Add	*40.00*	
23 37 13 00-0287	SF	>4 SF, 304 Stainless Steel, Door Grille	185.39	13.45
		For 316 Stainless Steel, Add	*32.60*	
23 37 13 00-0288		**304 Stainless Steel, Linear Bar Grilles** *(23 37 13 00-0263)*		
23 37 13 00-0289	SF	Up To 4 SF, 304 Stainless Steel, Linear Bar Grille	284.57	13.45
		For 316 Stainless Steel, Add	*52.43*	
23 37 13 00-0290	SF	>4 SF, 304 Stainless Steel, Linear Bar Grille	243.48	13.45
		For 316 Stainless Steel, Add	*44.21*	
23 37 13 00-0291		**304 Stainless Steel, Hinged Filter Grilles** *(23 37 13 00-0263)*		
23 37 13 00-0292	SF	Up To 4 SF, 304 Stainless Steel, Hinged Filter Grille	208.88	13.45
		For 316 Stainless Steel, Add	*37.29*	
23 37 13 00-0293	SF	>4 SF, 304 Stainless Steel, Hinged Filter Grille	144.06	13.45
		For 316 Stainless Steel, Add	*24.33*	
23 37 13 00-0294		**304 Stainless Steel, Opposed Blade Dampers Grilles** *(23 37 13 00-0263)*		
23 37 13 00-0295	SF	Up To 4 SF, 304 Stainless Steel, Opposed Blade Dampers Grille	112.00	13.45
		For 316 Stainless Steel, Add	*17.92*	
23 37 13 00-0296	SF	Opposed Blade Dampers Grille, Stainless Steel 304, > 4 SF	85.03	13.45
		For 316 Stainless Steel, Add	*12.52*	
23 37 13 00-0297		**304 Stainless Steel, Plaster Frames Replacement** *(23 37 13 00-0263)*		
		Note: For frequent replacement.		
23 37 13 00-0298	SF	To 4 SF, 304 Stainless Steel, Plaster Frames Replacement	87.00	13.45
		For 316 Stainless Steel, Add	*12.92*	
23 37 13 00-0299	SF	>4 SF, 304 Stainless Steel, Plaster Frames Replacement	45.67	13.45
		For 316 Stainless Steel, Add	*4.65*	
23 37 13 00-0300		**304 Stainless Steel, Modular Louvered Ceiling Diffusers** *(23 37 13 00-0263)*		
23 37 13 00-0301	SF	Up To 4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser	205.75	13.45
		For 316 Stainless Steel, Add	*36.67*	
23 37 13 00-0302	SF	>4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser	160.73	13.45
		For 316 Stainless Steel, Add	*27.66*	
23 37 13 00-0303		**304 Stainless Steel, Latticed Supply/Return Grilles** *(23 37 13 00-0263)*		
23 37 13 00-0304	SF	Up To 4 SF, 304 Stainless Steel, Latticed Supply/Return Grille	71.37	13.45
		For 316 Stainless Steel, Add	*9.79*	
23 37 13 00-0305	SF	>4 SF, 304 Stainless Steel, Latticed Supply/Return Grille	71.37	13.45
		For 316 Stainless Steel, Add	*9.79*	
23 37 13 00-0306		**Security Registers And Grilles** *(23 37 13)*		
23 37 13 00-0307		**Maximum Security Steel Supply / Return Registers** *(23 37 13 00-0306)*		
		Note: Includes damper as manufactured by Titus or equal.		
23 37 13 00-0308	EA	6" x 6" Maximum Security Supply/ Return Register	137.27	9.65
23 37 13 00-0309	EA	9" x 9" Maximum Security Supply/ Return Register	196.98	11.49
23 37 13 00-0310	EA	12" x 6" Maximum Security Supply/ Return Register	184.41	12.05
23 37 13 00-0311	EA	12" x 8" Maximum Security Supply/ Return Register	212.93	13.92
23 37 13 00-0312	EA	10" x 10" Maximum Security Supply/ Return Register	199.40	12.05
23 37 13 00-0313	EA	14" x 12" Maximum Security Supply/ Return Register	276.26	16.96
23 37 13 00-0314	EA	14" x 14" Maximum Security Supply/ Return Register	312.28	18.27
23 37 13 00-0315	EA	18" x 18" Maximum Security Supply/ Return Register	416.71	21.71
23 37 13 00-0316	EA	24" x 24" Maximum Security Supply/ Return Registers	595.85	27.75
23 37 13 00-0317		**Staff Security Steel Supply Registers** *(23 37 13 00-0306)*		
		Note: Includes damper as manufactured by Titus or equal.		
23 37 13 00-0318	EA	6" x 6" Staff Security Supply Register	104.29	9.65

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0319	EA	9" x 9" Staff Security Supply Register	134.01	11.49
23 37 13 00-0320	EA	12" x 12" Staff Security Supply Register	169.49	15.67
23 37 13 00-0321	EA	15" x 15" Staff Security Supply Register	239.73	18.09
23 37 13 00-0322	EA	21" x 21" Staff Security Supply Register	340.00	24.13
23 37 13 00-0323	EA	24" x 24" Staff Security Supply Register	408.45	27.75
23 37 13 00-0324		Staff Security Steel Return Registers *(23 37 13 00-0306)*		
		Note: Includes damper as manufactured by Titus or equal.		
23 37 13 00-0325	EA	10" x 4" 12 Gage Flat Steel Plate Staff Security Return Register	132.19	10.44
		Note: Perforated with square holes.		
23 37 13 00-0326	EA	6" x 6" 12 Gage Flat Steel Plate Staff Security Return Register	119.28	9.65
		Note: Perforated with square holes.		
23 37 13 00-0327	EA	10" x 6" 12 Gage Flat Steel Plate Staff Security Return Register	143.90	10.87
		Note: Perforated with square holes.		
23 37 13 00-0328	EA	12" x 5" 12 Gage Flat Steel Plate Staff Security Return Register	147.22	11.75
		Note: Perforated with square holes.		
23 37 13 00-0329	EA	12" x 8" 12 Gage Flat Steel Plate Staff Security Return Register	182.94	13.92
		Note: Perforated with square holes.		
23 37 13 00-0330	EA	16" x 6" 12 Gage Flat Steel Plate Staff Security Return Register	191.94	13.92
		Note: Perforated with square holes.		
23 37 13 00-0331	EA	16" x 8" 12 Gage Flat Steel Plate Staff Security Return Register	213.55	14.45
		Note: Perforated with square holes.		
23 37 13 00-0332	EA	12" x 12" 12 Gage Flat Steel Plate Staff Security Return Register	214.47	15.67
		Note: Perforated with square holes.		
23 37 13 00-0333	EA	30" x 6" 12 Gage Flat Steel Plate Staff Security Return Register	278.68	17.58
		Note: Perforated with square holes.		
23 37 13 00-0334	EA	14" x 12" 12 Gage Flat Steel Plate Staff Security Return Register	238.78	16.96
		Note: Perforated with square holes.		
23 37 13 00-0335	EA	28" x 8" 12 Gage Flat Steel Plate Staff Security Return Register	297.29	18.09
		Note: Perforated with square holes.		
23 37 13 00-0336	EA	18" x 12" 12 Gage Flat Steel Plate Staff Security Return Register	274.80	17.92
		Note: Perforated with square holes.		
23 37 13 00-0337		Maximum Security Steel Grills *(23 37 13 00-0306)*		
		Note: Includes damper as manufactured by Titus or equal.		
23 37 13 00-0338	EA	10" x 4" Maximum Security Grill	114.20	10.44
23 37 13 00-0339	EA	6" x 6" Maximum Security Grill	104.29	9.65
23 37 13 00-0340	EA	10" x 6" Maximum Security Grill	122.91	10.87
23 37 13 00-0341	EA	12" x 5" Maximum Security Grill	127.73	11.75
23 37 13 00-0342	EA	12" x 8" Maximum Security Grill	151.46	13.92
23 37 13 00-0343	EA	16" x 8" Maximum Security Grill	174.57	14.45
23 37 13 00-0344	EA	12" x 12" Maximum Security Grill	175.49	15.67
23 37 13 00-0345	EA	14" x 12" Maximum Security Grill	190.80	16.96
23 37 13 00-0346	EA	30" x 6" Maximum Security Grill	233.70	17.58
23 37 13 00-0347	EA	28" x 8" Maximum Security Grill	246.32	18.09
23 37 13 00-0348	EA	18" x 12" Maximum Security Grill	225.33	17.92
23 37 13 00-0349		Removal And Reinstallation Of Distribution Devices *(23 37 13)*		
		Note: Includes storage and cleaning. Excludes ductwork.		
23 37 13 00-0350	EA	Remove And Reinstall Variable Air Volume Terminal Unit	161.63	
23 37 13 00-0351	EA	Remove And Reinstall Fan Powered Variable Volume Terminal Unit	178.27	
23 37 13 00-0352	EA	Remove And Reinstall Lay-in Diffuser/Register/Grille	26.72	
23 37 13 00-0353	EA	Remove And Reinstall Surface Mounted Diffuser/Register/Grille	36.18	

23 38 Ventilation Hoods *(23 30)*

23 38 13 Commercial-Kitchen Hoods *(23 38)*

23 38 13 16 Standard Commercial-Kitchen Hoods *(23 38 13)*

23 38 13 16-0001 Commercial Kitchen Hood Ventilation System *(23 38 13 16)*

Note: Excludes fire suppression. See CSI section 21 24 16 00-0000 for fire suppression system, 23 31 13 23-0000 for duct, 23 34 16 00-0108 for exhaust and supply fans.

23 38 13 16-0002 Dry Filter Exhaust Hoods *(23 38 13 16-0001)*

Note: Includes stainless steel filters, exhaust damper and 48" long fluorescent light fixtures.

23 38 13 16-0003	EA	8' Long x 60" Deep Dry Filter Exhaust Hood	4,814.91	648.33
23 38 13 16-0004	EA	8'-6" Long x 60" Deep Dry Filter Exhaust Hood	5,029.52	688.85
23 38 13 16-0005	EA	9' Long x 60" Deep Dry Filter Exhaust Hood	5,571.80	729.36
23 38 13 16-0006	EA	9'-6" Long x 60" Deep Dry Filter Exhaust Hood	5,758.44	769.89
23 38 13 16-0007	EA	10' Long x 60" Deep Dry Filter Exhaust Hood	5,977.42	810.41
23 38 13 16-0008	EA	10'-6" Long x 60" Deep Dry Filter Exhaust Hood	6,206.24	850.93
23 38 13 16-0009	EA	11' Long x 60" Deep Dry Filter Exhaust Hood	6,425.70	891.45
23 38 13 16-0010	EA	11'-6" Long x 60" Deep Dry Filter Exhaust Hood	6,650.85	931.98
23 38 13 16-0011	EA	12' Long x 60" Deep Dry Filter Exhaust Hood	6,896.59	972.49
23 38 13 16-0012	EA	12'-6" Long x 60" Deep Dry Filter Exhaust Hood	7,114.03	1,013.01
23 38 13 16-0013	EA	13' Long x 60" Deep Dry Filter Exhaust Hood	7,301.45	1,053.53
23 38 13 16-0014	EA	13'-6" Long x 60" Deep Dry Filter Exhaust Hood	7,590.99	1,094.05
23 38 13 16-0015	EA	14' Long x 60" Deep Dry Filter Exhaust Hood	8,405.72	1,134.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 38 13 16-0016	EA	14'-6" Long x 60" Deep Dry Filter Exhaust Hood	8,643.21	1,175.09
23 38 13 16-0017	EA	15" Long x 60" Deep Dry Filter Exhaust Hood	8,948.02	1,215.61
23 38 13 16-0018	EA	15"-6" Long x 60" Deep Dry Filter Exhaust Hood	9,189.13	1,256.14
23 38 13 16-0019	EA	16' Long x 60" Deep Dry Filter Exhaust Hood	9,529.13	1,296.65
23 38 13 16-0020		**Dry Extractor Exhaust Hoods** *(23 38 13 16-0001)* Note: Includes extractor inserts, exhaust damper, 48" long fluorescent light fixtures, and UDS filler panels.		
23 38 13 16-0021	EA	8' Long x 60" Deep Dry Extractor Exhaust Hood	6,489.71	648.33
23 38 13 16-0022	EA	8'-6" Long x 60" Deep Dry Extractor Exhaust Hood	6,714.92	688.85
23 38 13 16-0023	EA	9' Long x 60" Deep Dry Extractor Exhaust Hood	7,289.00	729.36
23 38 13 16-0024	EA	9'-6" Long x 60" Deep Dry Extractor Exhaust Hood	7,518.04	769.89
23 38 13 16-0025	EA	10' Long x 60" Deep Dry Extractor Exhaust Hood	7,747.62	810.41
23 38 13 16-0026	EA	10'-6" Long x 60" Deep Dry Extractor Exhaust Hood	7,965.84	850.93
23 38 13 16-0027	EA	11' Long x 60" Deep Dry Extractor Exhaust Hood	8,195.90	891.45
23 38 13 16-0028	EA	11'-6" Long x 60" Deep Dry Extractor Exhaust Hood	8,415.75	931.98
23 38 13 16-0029	EA	12' Long x 60" Deep Dry Extractor Exhaust Hood	8,624.39	972.49
23 38 13 16-0030	EA	12'-6" Long x 60" Deep Dry Extractor Exhaust Hood	8,905.43	1,013.01
23 38 13 16-0031	EA	13' Long x 60" Deep Dry Extractor Exhaust Hood	9,225.35	1,053.53
23 38 13 16-0032	EA	13'-6" Long x 60" Deep Dry Extractor Exhaust Hood	9,562.59	1,094.05
23 38 13 16-0033	EA	14' Long x 60" Deep Dry Extractor Exhaust Hood	10,223.62	1,134.58
23 38 13 16-0034	EA	14'-6" Long x 60" Deep Dry Extractor Exhaust Hood	10,567.11	1,175.09
23 38 13 16-0035	EA	15" Long x 60" Deep Dry Extractor Exhaust Hood	11,195.22	1,215.61
23 38 13 16-0036	EA	15"-6" Long x 60" Deep Dry Extractor Exhaust Hood	11,833.83	1,256.14
23 38 13 16-0037	EA	16' Long x 60" Deep Dry Extractor Exhaust Hood	12,465.33	1,296.65
23 38 13 16-0038		**Single Manifold Water Wash Exhaust Hoods** *(23 38 13 16-0001)* Note: Includes extraction baffles, 48" long fluorescent light fixtures, and UDS filler panels. Excludes fan wash control panel.		
23 38 13 16-0039	EA	8' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	6,913.71	648.33
23 38 13 16-0040	EA	8'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	7,149.52	688.85
23 38 13 16-0041	EA	9' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	7,734.20	729.36
23 38 13 16-0042	EA	9'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	7,968.54	769.89
23 38 13 16-0043	EA	10' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	8,214.02	810.41
23 38 13 16-0044	EA	10'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	8,442.84	850.93
23 38 13 16-0045	EA	11' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	8,678.20	891.45
23 38 13 16-0046	EA	11'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	8,913.95	931.98
23 38 13 16-0047	EA	12' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	9,127.89	972.49
23 38 13 16-0048	EA	12'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	9,430.13	1,013.01
23 38 13 16-0049	EA	13' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	9,771.25	1,053.53
23 38 13 16-0050	EA	13'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	10,129.69	1,094.05
23 38 13 16-0051	EA	14' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	10,811.92	1,134.58
23 38 13 16-0052	EA	14'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	11,176.61	1,175.09
23 38 13 16-0053	EA	15" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	11,863.02	1,215.61
23 38 13 16-0054	EA	15"-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	12,226.03	1,256.14
23 38 13 16-0055	EA	16' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	12,587.23	1,296.65
23 38 13 16-0056	EA	Fan Wash Control Panel Note: Includes time clock and backflow preventer.	4,823.33	324.16
23 38 13 16-0057		**Utility Distribution System (UDS)** *(23 38 13 16-0001)* Note: Includes "L" shaped primary riser, secondary riser, horizontal mechanical and electrical raceway; 2" IPS looped gas manifold with two (2) solenoid gas valves; 1" hot water manifold; 1" cold water manifold; 100 Amp 120-208 VAC/3 Ph/60 Hz main shunt trip connectors; equipment restraints; flexible drain connectors; and power interruption device. Excludes main shunt breaker.		
23 38 13 16-0058	EA	8' Long UDS	24,826.59	329.68
23 38 13 16-0059	EA	8'-6" Long UDS	25,559.51	337.70
23 38 13 16-0060	EA	9' Long UDS	26,284.43	345.55
23 38 13 16-0061	EA	9'-6" Long UDS	27,015.76	356.58
23 38 13 16-0062	EA	10' Long UDS	27,742.51	365.33
23 38 13 16-0063	EA	10'-6" Long UDS	28,462.44	374.57
23 38 13 16-0064	EA	11' Long UDS	29,192.16	380.98
23 38 13 16-0065	EA	11'-6" Long UDS	29,921.42	391.02
23 38 13 16-0066	EA	12' Long UDS	30,659.08	405.20
23 38 13 16-0067	EA	12'-6" Long UDS	31,406.88	424.49
23 38 13 16-0068	EA	13' Long UDS	32,141.07	436.97
23 38 13 16-0069	EA	13'-6" Long UDS	32,885.95	454.80
23 38 13 16-0070	EA	14' Long UDS	33,623.89	469.15
23 38 13 16-0071	EA	14'-6" Long UDS	34,363.70	484.46
23 38 13 16-0072	EA	15" Long UDS	35,105.57	500.83
23 38 13 16-0073	EA	15"-6" Long UDS	35,849.74	518.26
23 38 13 16-0074	EA	16' Long UDS	36,583.63	530.66
23 38 13 16-0075		**Stainless Steel Exhaust Hood Material** *(23 38 13 16)* Note: Welded seams.		
23 38 13 16-0076	SF	16 Gauge Stainless Steel Exhaust Hood Material	61.61	11.45
23 38 13 16-0077	SF	14 Gauge Stainless Steel Exhaust Hood Material	77.01	15.27
23 38 13 16-0078	SF	12 Gauge Stainless Steel Exhaust Hood Material	106.88	20.61
23 38 13 16-0079	SF	10 Gauge Stainless Steel Exhaust Hood Material	133.50	25.19

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 40 HVAC Air Cleaning Devices *(23)*

23 41 Particulate Air Filtration *(23 40)*

23 41 13 Panel Air Filters *(23 41)*

23 41 13 00-0001 Disposable Air Filters *(23 41 13)*

23 41 13 00-0002	EA	Throwaway Glass Or Paper Media Filter, Residential		10.25	

23 41 13 00-0003 Electrostatic Air Filters With Frame, Element And Busbar *(23 41 13)*

23 41 13 00-0004	MF3	Electrostatic Air Filter, High Efficiency Non Supported With Frame, Element And Busbar		61.77	
23 41 13 00-0005	MF3	Electrostatic Air Filter, Medium Efficiency Non Supported With Frame, Element And Busbar		59.66	
23 41 13 00-0006	MF3	Electrostatic Air Filter, Glass/Paper Throwaway With Frame, Element And Busbar		2.57	

23 41 16 Renewable-Media Air Filters *(23 41)*

23 41 16 00-0001 Renewable-Media Electrostatic Air Filters With Frame, Element And Busbar *(23 41 16)*

23 41 16 00-0002	MF3	Electrostatic Air Filter, 5' Disposable Roll Renewable With Frame, Element And Busbar		106.30	

23 41 19 Washable Air Filters *(23 41)*

23 41 19 00-0001 Washable Electrostatic Air Filters With Frame, Element And Busbar *(23 41 19)*

23 41 19 00-0002	MF3	Electrostatic Air Filter, Permanent, Washable With Frame, Element And Busbar		40.59	

23 41 33 High-Efficiency Particulate Filtration *(23 41)*

23 41 33 00-0001 HEPA Filters *(23 41 33)*

Note: Includes particle board and kraft paper frame and separator material. See CSI section 23 41 13 00-0000 for prefilters.

23 41 33 00-0002 HEPA Filters DOP Efficiency-95% *(23 41 33 00-0001)*

23 41 33 00-0003	EA	12" x 12" x 6" HEPA Filter, 95% DOP Efficiency, 150 CFM, Complete		104.64	12.07
		For Removal And Replacement In Existing Equipment, Add	*2.41*		
		For >10 To 25, Deduct	*-2.62*		
		For >25 To 50, Deduct	*-5.23*		
		For >50 To 100, Deduct	*-7.85*		
		For >100, Deduct	*-10.46*		
23 41 33 00-0004	EA	24" x 12" x 6" HEPA Filter, 95% DOP Efficiency, 375 CFM, Complete		139.96	13.80
		For Removal And Replacement In Existing Equipment, Add	*2.76*		
		For >10 To 25, Deduct	*-3.50*		
		For >25 To 50, Deduct	*-7.00*		
		For >50 To 100, Deduct	*-10.50*		
		For >100, Deduct	*-14.00*		
23 41 33 00-0005	EA	24" x 18" x 6" HEPA Filter, 95% DOP Efficiency, 450 CFM, Complete		163.87	15.95
		For Removal And Replacement In Existing Equipment, Add	*3.19*		
		For >10 To 25, Deduct	*-4.10*		
		For >25 To 50, Deduct	*-8.19*		
		For >50 To 100, Deduct	*-12.29*		
		For >100, Deduct	*-16.39*		
23 41 33 00-0006	EA	24" x 24" x 6" HEPA Filter, 95% DOP Efficiency, 700 CFM, Complete		187.81	18.11
		For Removal And Replacement In Existing Equipment, Add	*3.62*		
		For >10 To 25, Deduct	*-4.70*		
		For >25 To 50, Deduct	*-9.39*		
		For >50 To 100, Deduct	*-14.09*		
		For >100, Deduct	*-18.78*		
23 41 33 00-0007	EA	12" x 12" x 12" HEPA Filter, 95% DOP Efficiency, 250 CFM, Complete		128.14	12.93
		For Removal And Replacement In Existing Equipment, Add	*2.59*		
		For >10 To 25, Deduct	*-3.20*		
		For >25 To 50, Deduct	*-6.41*		
		For >50 To 100, Deduct	*-9.61*		
		For >100, Deduct	*-12.81*		
23 41 33 00-0008	EA	24" x 12" x 12" HEPA Filter, 95% DOP Efficiency, 500 CFM, Complete		172.92	15.09
		For Removal And Replacement In Existing Equipment, Add	*3.02*		
		For >10 To 25, Deduct	*-4.32*		
		For >25 To 50, Deduct	*-8.65*		
		For >50 To 100, Deduct	*-12.97*		
		For >100, Deduct	*-17.29*		
23 41 33 00-0009	EA	24" x 18" x 12" HEPA Filter, 95% DOP Efficiency, 875 CFM, Complete		206.99	17.24
		For Removal And Replacement In Existing Equipment, Add	*3.45*		
		For >10 To 25, Deduct	*-5.17*		
		For >25 To 50, Deduct	*-10.35*		
		For >50 To 100, Deduct	*-15.52*		
		For >100, Deduct	*-20.70*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 33 00-0010	EA	24" x 24" x 12" HEPA Filter, 95% DOP Efficiency, 1,000 CFM, Complete	245.36	21.56
		For Removal And Replacement In Existing Equipment, Add	*4.31*	
		For >10 To 25, Deduct	*-6.13*	
		For >25 To 50, Deduct	*-12.27*	
		For >50 To 100, Deduct	*-18.40*	
		For >100, Deduct	*-24.54*	
23 41 33 00-0011		HEPA Filters DOP Efficiency-99.99% *(23 41 33 00-0001)*		
23 41 33 00-0012	EA	12" x 12" x 3" HEPA Filter, 99.99% DOP Efficiency, Complete	89.49	10.78
		For Removal And Replacement In Existing Equipment, Add	*2.16*	
		For >10 To 25, Deduct	*-2.24*	
		For >25 To 50, Deduct	*-4.47*	
		For >50 To 100, Deduct	*-6.71*	
		For >100, Deduct	*-8.95*	
23 41 33 00-0013	EA	24" x 12" x 3" HEPA Filter, 99.99% DOP Efficiency, Complete	124.58	12.93
		For Removal And Replacement In Existing Equipment, Add	*2.59*	
		For >10 To 25, Deduct	*-3.11*	
		For >25 To 50, Deduct	*-6.23*	
		For >50 To 100, Deduct	*-9.34*	
		For >100, Deduct	*-12.46*	
23 41 33 00-0014	EA	24" x 24" x 3" HEPA Filter, 99.99% DOP Efficiency, Complete	192.37	15.09
		For Removal And Replacement In Existing Equipment, Add	*3.02*	
		For >10 To 25, Deduct	*-4.81*	
		For >25 To 50, Deduct	*-9.62*	
		For >50 To 100, Deduct	*-14.43*	
		For >100, Deduct	*-19.24*	
23 41 33 00-0015	EA	36" x 24" x 3" HEPA Filter, 99.99% DOP Efficiency, Complete	248.14	17.24
		For Removal And Replacement In Existing Equipment, Add	*3.45*	
		For >10 To 25, Deduct	*-6.20*	
		For >25 To 50, Deduct	*-12.41*	
		For >50 To 100, Deduct	*-18.61*	
		For >100, Deduct	*-24.81*	
23 41 33 00-0016	EA	8" x 8" x 6" HEPA Filter, 99.99% DOP Efficiency, Complete	85.11	8.62
		For Removal And Replacement In Existing Equipment, Add	*1.72*	
		For >10 To 25, Deduct	*-2.13*	
		For >25 To 50, Deduct	*-4.26*	
		For >50 To 100, Deduct	*-6.38*	
		For >100, Deduct	*-8.51*	
23 41 33 00-0017	EA	12" x 12" x 6" HEPA Filter, 99.99% DOP Efficiency, 150 CFM, Complete	112.73	11.64
		For Removal And Replacement In Existing Equipment, Add	*2.33*	
		For >10 To 25, Deduct	*-2.82*	
		For >25 To 50, Deduct	*-5.64*	
		For >50 To 100, Deduct	*-8.45*	
		For >100, Deduct	*-11.27*	
23 41 33 00-0018	EA	24" x 12" x 6" HEPA Filter, 99.99% DOP Efficiency, 325 CFM, Complete	152.44	13.80
		For Removal And Replacement In Existing Equipment, Add	*2.76*	
		For >10 To 25, Deduct	*-3.81*	
		For >25 To 50, Deduct	*-7.62*	
		For >50 To 100, Deduct	*-11.43*	
		For >100, Deduct	*-15.24*	
23 41 33 00-0019	EA	24" x 18" x 6" HEPA Filter, 99.99% DOP Efficiency, 550 CFM, Complete	178.98	16.16
		For Removal And Replacement In Existing Equipment, Add	*3.23*	
		For >10 To 25, Deduct	*-4.47*	
		For >25 To 50, Deduct	*-8.95*	
		For >50 To 100, Deduct	*-13.42*	
		For >100, Deduct	*-17.90*	
23 41 33 00-0020	EA	24" x 24" x 6" HEPA Filter, 99.99% DOP Efficiency, 775 CFM, Complete	204.65	18.11
		For Removal And Replacement In Existing Equipment, Add	*3.62*	
		For >10 To 25, Deduct	*-5.12*	
		For >25 To 50, Deduct	*-10.23*	
		For >50 To 100, Deduct	*-15.35*	
		For >100, Deduct	*-20.47*	
23 41 33 00-0021	EA	12" x 12" x 12" HEPA Filter, 99.99% DOP Efficiency, 250 CFM, Complete	139.50	12.93
		For Removal And Replacement In Existing Equipment, Add	*2.59*	
		For >10 To 25, Deduct	*-3.49*	
		For >25 To 50, Deduct	*-6.98*	
		For >50 To 100, Deduct	*-10.46*	
		For >100, Deduct	*-13.95*	
23 41 33 00-0022	EA	24" x 12" x 12" HEPA Filter, 99.99% DOP Efficiency, 500 CFM, Complete	188.79	15.09
		For Removal And Replacement In Existing Equipment, Add	*3.02*	
		For >10 To 25, Deduct	*-4.72*	
		For >25 To 50, Deduct	*-9.44*	
		For >50 To 100, Deduct	*-14.16*	
		For >100, Deduct	*-18.88*	
23 41 33 00-0023	EA	24" x 18" x 12" HEPA Filter, 99.99% DOP Efficiency, 775 CFM, Complete	226.16	17.24
		For Removal And Replacement In Existing Equipment, Add	*3.45*	
		For >10 To 25, Deduct	*-5.65*	
		For >25 To 50, Deduct	*-11.31*	
		For >50 To 100, Deduct	*-16.96*	
		For >100, Deduct	*-22.62*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 33 00-0024	EA	24" x 24" x 12" HEPA Filter, 99.99% DOP Efficiency, 1,100 CFM, Complete	278.52	21.56
		For Removal And Replacement In Existing Equipment, Add	*4.31*	
		For >10 To 25, Deduct	*-6.96*	
		For >25 To 50, Deduct	*-13.93*	
		For >50 To 100, Deduct	*-20.89*	
		For >100, Deduct	*-27.85*	

23 41 33 00-0025 HEPA Filter Housings, 14 Gauge Galvanized Sheet Metal *(23 41 33)*

Note: Nominal sizes.

23 41 33 00-0026	EA	12" x 12" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	243.43	64.30
23 41 33 00-0027	EA	24" x 12" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	450.64	127.81
23 41 33 00-0028	EA	24" x 18" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	458.40	127.81
23 41 33 00-0029	EA	24" x 24" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	463.58	127.81
23 41 33 00-0030	EA	24" x 48" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	499.80	127.81
23 41 33 00-0031	EA	24" x 72" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	545.07	127.81
23 41 33 00-0032	EA	48" x 48" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	870.24	256.41
23 41 33 00-0033	EA	48" x 72" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	980.19	256.41
23 41 33 00-0034	EA	48" x 96" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	1,119.89	256.41
23 41 33 00-0035	EA	12" x 12" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	265.42	64.30
23 41 33 00-0036	EA	24" x 12" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	488.15	127.81
23 41 33 00-0037	EA	24" x 18" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	497.21	127.81
23 41 33 00-0038	EA	24" x 24" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	503.68	127.81
23 41 33 00-0039	EA	24" x 48" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	546.36	127.81
23 41 33 00-0040	EA	24" x 72" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	603.28	127.81
23 41 33 00-0041	EA	48" x 48" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	960.79	256.41
23 41 33 00-0042	EA	48" x 72" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	1,097.90	256.41
23 41 33 00-0043	EA	48" x 96" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	1,271.24	256.41

23 41 33 00-0044 Filter, Bag Type, 90-95% Efficiency *(23 41 33)*

23 41 33 00-0045	EA	0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 90 - 95% Efficiency	205.27	83.35
23 41 33 00-0046	EA	1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 90 - 95% Efficiency	241.47	83.35

23 41 33 00-0047 Filter, Bag Type, 80-85% Efficiency *(23 41 33)*

23 41 33 00-0048	EA	0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 80 - 85% Efficiency	201.12	83.35
23 41 33 00-0049	EA	1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 80 - 85% Efficiency	227.82	83.35

23 42 Gas-Phase Air Filtration *(23 40)*

23 42 13 Activated-Carbon Air Filtration *(23 42)*

23 42 13 00-0001	EA	12" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter	37.74	6.47
23 42 13 00-0002	EA	16" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter	38.20	6.47
23 42 13 00-0003	EA	16" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter	38.47	6.47
23 42 13 00-0004	EA	20" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter	38.47	6.47
23 42 13 00-0005	EA	20" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter	41.86	6.47
23 42 13 00-0006	EA	24" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter	47.44	6.47
23 42 13 00-0007	EA	12" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter	47.92	7.33
23 42 13 00-0008	EA	16" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter	48.30	7.33
23 42 13 00-0009	EA	16" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter	48.62	7.33
23 42 13 00-0010	EA	20" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter	48.62	7.33
23 42 13 00-0011	EA	20" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter	52.37	7.33
23 42 13 00-0012	EA	24" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter	62.83	7.33
23 42 13 00-0013	EA	16" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter	22.22	6.47
23 42 13 00-0014	EA	16" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter	23.83	6.47
23 42 13 00-0015	EA	20" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter	23.89	6.47
23 42 13 00-0016	EA	20" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter	26.01	6.47
23 42 13 00-0017	EA	24" x 24" x 1" Thick Carbon Impregnated Pleated Air Filter	27.88	6.47
23 42 13 00-0018	EA	16" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter	25.77	7.33
23 42 13 00-0019	EA	16" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter	28.59	7.33
23 42 13 00-0020	EA	20" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter	29.18	7.33
23 42 13 00-0021	EA	20" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter	32.67	7.33
23 42 13 00-0022	EA	24" x 24" x 2" Thick Carbon Impregnated Pleated Air Filter	34.89	7.33
23 42 13 00-0023	EA	24" x 24" x 4" Thick Carbon Impregnated Pleated Air Filter	58.67	7.76

23 44 Ultraviolet HVAC Microbial Control *(23 40)*

23 44 00 00-0001 Double Ended Ultraviolet HVAC Microbial Control Fixtures *(23 44)*

23 44 00 00-0002	EA	18" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-181-VO) Note: Includes tube.	435.01	54.89
23 44 00 00-0003	EA	24" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-241-VO) Note: Includes tube.	454.30	57.60
23 44 00 00-0004	EA	30" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-301-VO) Note: Includes tube.	457.06	60.08
23 44 00 00-0005	EA	36" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-361-VO) Note: Includes tube.	478.36	63.12
23 44 00 00-0006	EA	42" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-421-VO) Note: Includes tube.	516.26	65.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 44 00 00-0007	EA	62" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-621-VO) Note: Includes tube.	588.69	67.89
23 44 00 00-0008		**Single Ended Ultraviolet HVAC Microbial Control Fixtures** *(23 44)*		
23 44 00 00-0009	EA	12" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-121-VO) Note: Includes tube.	375.72	38.02
23 44 00 00-0010	EA	16" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-161-VO) Note: Includes tube.	382.82	41.14
23 44 00 00-0011	EA	20" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-201-VO) Note: Includes tube.	390.09	43.62
23 44 00 00-0012	EA	24" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-241-VO) Note: Includes tube.	390.94	46.91
23 44 00 00-0013	EA	30" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-301-VO) Note: Includes tube.	406.99	49.37
23 44 00 00-0014	EA	36" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-361-VO) Note: Includes tube.	416.90	51.85
23 44 00 00-0015	EA	42" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-421-VO) Note: Includes tube.	426.88	55.13
23 44 00 00-0016	EA	12" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-121-VO) Note: Includes tube.	438.48	38.02
23 44 00 00-0017	EA	16" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-161-VO) Note: Includes tube.	445.58	41.14
23 44 00 00-0018	EA	20" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-201-VO) Note: Includes tube.	452.84	43.62
23 44 00 00-0019	EA	24" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-241-VO) Note: Includes tube.	453.70	46.91
23 44 00 00-0020	EA	30" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-301-VO) Note: Includes tube.	469.75	49.37
23 44 00 00-0021	EA	36" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-361-VO) Note: Includes tube.	479.66	51.85
23 44 00 00-0022	EA	42" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-421-VO) Note: Includes tube.	489.64	55.13
23 44 00 00-0023	EA	16" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-161-VO) Note: Includes tube.	309.03	41.14
23 44 00 00-0024	EA	20" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-201-VO) Note: Includes tube.	316.29	43.62
23 44 00 00-0025	EA	24" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-241-VO) Note: Includes tube.	317.15	46.91
23 44 00 00-0026	EA	30" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-301-VO) Note: Includes tube.	333.20	49.37
23 44 00 00-0027	EA	36" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-361-VO) Note: Includes tube.	343.11	51.85
23 44 00 00-0028	EA	42" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-421-VO) Note: Includes tube.	353.08	55.13
23 44 00 00-0029		**Fan Coil Unit Ultraviolet Microbial Control Fixtures** *(23 44)*		
23 44 00 00-0030	EA	16" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	278.37	52.67
23 44 00 00-0031	EA	20" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	285.42	55.13
23 44 00 00-0032	EA	24" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	292.44	57.60
23 44 00 00-0033	EA	30" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	301.39	60.08
23 44 00 00-0034	EA	36" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	312.49	63.12
23 44 00 00-0035	EA	42" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	322.47	65.84
23 44 00 00-0036		**Ultraviolet HVAC Microbial Control Replacement Parts** *(23 44)*		
23 44 00 00-0037	EA	18" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-16-VO)	73.55	
23 44 00 00-0038	EA	24" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-22-VO)	77.25	
23 44 00 00-0039	EA	30" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-28-VO)	87.02	
23 44 00 00-0040	EA	36" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-34-VO)	99.49	
23 44 00 00-0041	EA	42" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-40-VO)	112.24	
23 44 00 00-0042	EA	62" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-60-VO)	136.66	
23 44 00 00-0043	EA	12" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-12-VO)	71.07	
23 44 00 00-0044	EA	16" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-16-VO)	74.88	
23 44 00 00-0045	EA	20" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-20-VO)	78.85	
23 44 00 00-0046	EA	24" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-24-VO)	76.43	
23 44 00 00-0047	EA	30" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-30-VO)	89.18	
23 44 00 00-0048	EA	36" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-36-VO)	95.80	
23 44 00 00-0049	EA	42" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-42-VO)	102.48	
23 44 00 00-0050	EA	Replacement Power Supply For Ultraviolet Microbial Control Fixture (Steril-Aire)	208.14	
23 44 00 00-0051		**Ultraviolet HVAC Microbial Control Mounting Accessories** *(23 44)*		
23 44 00 00-0052	EA	Two Spring Clip, 61" Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006610) Note: Includes 61" emitter, power supply, wires and connectors.	377.21	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 44 00 00-0053	EA	Two Spring Clip, 61" Sleeved Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006620) Note: Includes 61" emitter, power supply, wires and connectors.	475.52	
23 44 00 00-0054	EA	Two Spring Clip, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-1) Note: Includes power supply, wires and connectors. Excludes emitter.	226.44	
23 44 00 00-0055	EA	Two Short Hook Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-2) Note: Includes power supply, wires and connectors. Excludes emitter.	238.48	
23 44 00 00-0056	EA	Flat Plate For Metal, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-3) Note: Includes power supply, wires and connectors. Excludes emitter.	293.03	
23 44 00 00-0057	EA	Flat Plate For Plastic, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-4) Note: Includes power supply, wires and connectors. Excludes emitter.	187.35	
23 44 00 00-0058	EA	Insert Lamp Holder, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-5) Note: Includes power supply, wires and connectors. Excludes emitter.	202.16	
23 44 00 00-0059	EA	16" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-6) Note: Includes power supply, wires and connectors. Excludes emitter.	267.38	
23 44 00 00-0060	EA	12" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-7) Note: Includes power supply, wires and connectors. Excludes emitter.	263.96	
23 44 00 00-0061	LF	30 x 30 mm Framing Structure For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000101)	10.03	
23 44 00 00-0062	EA	Vertical Support Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000111)	34.35	
23 44 00 00-0063	EA	Joint Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000112)	12.35	
23 44 00 00-0064	EA	Emitter Mounting Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000113)	11.75	
23 44 00 00-0065	EA	Foundation Bracket FB 8WA For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000104)	31.91	
23 44 00 00-0066	EA	Slider Assembly Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000114)	35.61	
23 44 00 00-0067	EA	Splice Kit For Horizontal Rows For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000108)	31.82	
23 44 00 00-0068	EA	Gusset Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000115)	26.12	
23 44 00 00-0069	EA	ISO "A" Bracket Hanger For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000109)	24.77	
23 44 00 00-0070	EA	DE Boot Kit UV Resistant For 1 DE Fixture For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000223)	14.14	
23 44 00 00-0071	EA	DE Wiring Kit For Up To 65" (DE Bank Install) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000603)	27.64	
23 44 00 00-0072	EA	Cleaning Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000100)	14.19	
23 44 00 00-0073	EA	480 To 220 Volt AC / 180 VA Step-Down Transformer For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000503)	52.95	
23 44 00 00-0074	EA	Interlock Switch (16 Amps At 125 Volt, 10 Amps At 250 Volt Maximum Ampacity) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000120)	55.50	

23 50 Central Heating Equipment *(23)*

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 00-0001 for disconnect.

23 51 Breechings, Chimneys, And Stacks *(23 50)*

23 51 13 Draft Control Devices *(23 51)*

23 51 13 00-0001 Vertical Discharge Fans *(23 51 13)*

Note: Includes chimney adapter. Excludes wiring.

23 51 13 00-0002 Axial Vane Vertical Discharge Fans *(23 51 13 00-0001)*

23 51 13 00-0003	EA	450 CFM Vertical Discharge Chimney Fan, Axial Vane	3,695.08	174.64
23 51 13 00-0004	EA	950 CFM Vertical Discharge Chimney Fan, Axial Vane	4,199.16	190.52
23 51 13 00-0005	EA	1,400 CFM Vertical Discharge Chimney Fan, Axial Vane	5,065.40	210.36
23 51 13 00-0006	EA	1,800 CFM Vertical Discharge Chimney Fan, Axial Vane	6,661.55	244.10

23 51 13 00-0007 Centrifugal Impeller Vertical Discharge Fans *(23 51 13 00-0001)*

23 51 13 00-0008	EA	700 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	4,468.19	190.52
23 51 13 00-0009	EA	1,100 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	5,478.78	210.36
23 51 13 00-0010	EA	2,300 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	7,151.01	246.09
23 51 13 00-0011	EA	3,000 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	8,489.81	275.85

23 51 13 00-0012 Accessories For Vertical Discharge Fans *(23 51 13 00-0001)*

23 51 13 00-0013	EA	Modulating Fan Controller And Sensor	473.32	59.54

23 51 13 00-0014 Flue Shutter Dampers *(23 51 13 00-0001)*

23 51 13 00-0015	EA	8" Flue Size, Shutter Damper	504.94	79.39
23 51 13 00-0016	EA	9" Flue Size, Shutter Damper	544.95	84.54
23 51 13 00-0017	EA	10" Flue Size, Shutter Damper	566.74	90.49
23 51 13 00-0018	EA	12" Flue Size, Shutter Damper	620.58	97.64
23 51 13 00-0019	EA	14" Flue Size, Shutter Damper	696.60	105.97
23 51 13 00-0020	EA	16" Flue Size, Shutter Damper	755.20	115.50
23 51 13 00-0021	EA	18" Flue Size, Shutter Damper	827.69	127.01
23 51 13 00-0022	EA	20" Flue Size, Shutter Damper	920.55	141.30
23 51 13 00-0023	EA	22" Flue Size, Shutter Damper	1,019.79	158.76
23 51 13 00-0024	EA	24" Flue Size, Shutter Damper	1,129.35	181.39

23 51 16 Fabricated Breechings And Accessories *(23 51)*

23 51 16 00-0001 Round Galvanized Double Wall Flue/Vent Pipe And Fittings *(23 51 16)*

23 51 16 00-0002 Round Galvanized Double Wall Flue/Vent Pipe *(23 51 16 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0003	LF	3" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	23.46	7.07
		For Aluminum Liner, Add	*0.32*	
		For Stainless Steel Liner, Add	*0.44*	
		For High Temperature Breaching, Add	*3.51*	
		For Very High Temperature Breaching, Add	*6.15*	
23 51 16 00-0004	LF	4" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	25.37	7.46
		For Aluminum Liner, Add	*0.39*	
		For Stainless Steel Liner, Add	*0.54*	
		For High Temperature Breaching, Add	*3.97*	
		For Very High Temperature Breaching, Add	*6.86*	
23 51 16 00-0005	LF	5" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	28.13	7.94
		For Aluminum Liner, Add	*0.47*	
		For Stainless Steel Liner, Add	*0.64*	
		For High Temperature Breaching, Add	*4.51*	
		For Very High Temperature Breaching, Add	*7.75*	
23 51 16 00-0006	LF	6" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	30.80	8.49
		For Aluminum Liner, Add	*0.54*	
		For Stainless Steel Liner, Add	*0.74*	
		For High Temperature Breaching, Add	*5.05*	
		For Very High Temperature Breaching, Add	*8.63*	
23 51 16 00-0007	LF	7" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	36.72	9.05
		For Aluminum Liner, Add	*0.80*	
		For Stainless Steel Liner, Add	*1.09*	
		For High Temperature Breaching, Add	*6.58*	
		For Very High Temperature Breaching, Add	*10.97*	
23 51 16 00-0008	LF	8" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	40.81	9.77
		For Aluminum Liner, Add	*0.89*	
		For Stainless Steel Liner, Add	*1.21*	
		For High Temperature Breaching, Add	*7.32*	
		For Very High Temperature Breaching, Add	*12.20*	
23 51 16 00-0009	LF	10" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	60.80	10.47
		For Aluminum Liner, Add	*1.88*	
		For Stainless Steel Liner, Add	*2.56*	
		For High Temperature Breaching, Add	*12.91*	
		For Very High Temperature Breaching, Add	*20.70*	
23 51 16 00-0010	LF	12" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	74.71	11.59
		For Aluminum Liner, Add	*2.52*	
		For Stainless Steel Liner, Add	*3.44*	
		For High Temperature Breaching, Add	*16.64*	
		For Very High Temperature Breaching, Add	*26.40*	
23 51 16 00-0011	LF	14" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	107.19	12.06
		For Aluminum Liner, Add	*4.23*	
		For Stainless Steel Liner, Add	*5.77*	
		For High Temperature Breaching, Add	*26.11*	
		For Very High Temperature Breaching, Add	*40.68*	
23 51 16 00-0012	LF	16" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	135.36	12.70
		For Aluminum Liner, Add	*5.71*	
		For Stainless Steel Liner, Add	*7.78*	
		For High Temperature Breaching, Add	*34.29*	
		For Very High Temperature Breaching, Add	*53.01*	
23 51 16 00-0013	LF	18" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	167.70	13.33
		For Aluminum Liner, Add	*7.37*	
		For Stainless Steel Liner, Add	*10.05*	
		For High Temperature Breaching, Add	*43.57*	
		For Very High Temperature Breaching, Add	*67.04*	
23 51 16 00-0014	LF	20" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	211.38	21.20
		For Aluminum Liner, Add	*8.75*	
		For Stainless Steel Liner, Add	*11.93*	
		For High Temperature Breaching, Add	*52.95*	
		For Very High Temperature Breaching, Add	*82.05*	
23 51 16 00-0015	LF	22" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	257.08	22.39
		For Aluminum Liner, Add	*11.03*	
		For Stainless Steel Liner, Add	*15.04*	
		For High Temperature Breaching, Add	*65.82*	
		For Very High Temperature Breaching, Add	*101.56*	
23 51 16 00-0016	LF	24" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	307.29	23.82
		For Aluminum Liner, Add	*13.60*	
		For Stainless Steel Liner, Add	*18.55*	
		For High Temperature Breaching, Add	*80.18*	
		For Very High Temperature Breaching, Add	*123.28*	
23 51 16 00-0017	LF	26" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	358.85	24.61
		For Aluminum Liner, Add	*16.36*	
		For Stainless Steel Liner, Add	*22.31*	
		For High Temperature Breaching, Add	*95.37*	
		For Very High Temperature Breaching, Add	*146.12*	
23 51 16 00-0018	LF	28" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	376.46	25.40
		For Aluminum Liner, Add	*17.21*	
		For Stainless Steel Liner, Add	*23.47*	
		For High Temperature Breaching, Add	*100.24*	
		For Very High Temperature Breaching, Add	*153.54*	
23 51 16 00-0019	LF	30" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	399.97	27.23
		For Aluminum Liner, Add	*18.26*	
		For Stainless Steel Liner, Add	*24.90*	
		For High Temperature Breaching, Add	*106.40*	
		For Very High Temperature Breaching, Add	*162.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0020	LF	32" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	454.36	28.26
		For Aluminum Liner, Add	*21.11*	
		For Stainless Steel Liner, Add	*28.79*	
		For High Temperature Breaching, Add	*122.21*	
		For Very High Temperature Breaching, Add	*186.84*	
23 51 16 00-0021	LF	34" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	510.68	29.30
		For Aluminum Liner, Add	*24.06*	
		For Stainless Steel Liner, Add	*32.81*	
		For High Temperature Breaching, Add	*138.56*	
		For Very High Temperature Breaching, Add	*211.51*	
23 51 16 00-0022	LF	36" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	537.80	30.48
		For Aluminum Liner, Add	*25.39*	
		For Stainless Steel Liner, Add	*34.63*	
		For High Temperature Breaching, Add	*146.12*	
		For Very High Temperature Breaching, Add	*222.98*	
23 51 16 00-0023	LF	38" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	584.20	31.75
		For Aluminum Liner, Add	*27.77*	
		For Stainless Steel Liner, Add	*37.87*	
		For High Temperature Breaching, Add	*159.40*	
		For Very High Temperature Breaching, Add	*243.07*	
23 51 16 00-0024	LF	40" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	644.77	33.10
		For Aluminum Liner, Add	*30.91*	
		For Stainless Steel Liner, Add	*42.15*	
		For High Temperature Breaching, Add	*176.87*	
		For Very High Temperature Breaching, Add	*269.45*	
23 51 16 00-0025	LF	42" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	674.54	34.61
		For Aluminum Liner, Add	*32.34*	
		For Stainless Steel Liner, Add	*44.09*	
		For High Temperature Breaching, Add	*185.04*	
		For Very High Temperature Breaching, Add	*281.89*	
23 51 16 00-0026	LF	44" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	747.83	36.27
		For Aluminum Liner, Add	*36.14*	
		For Stainless Steel Liner, Add	*49.28*	
		For High Temperature Breaching, Add	*206.20*	
		For Very High Temperature Breaching, Add	*313.84*	
23 51 16 00-0027	LF	46" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	812.88	38.11
		For Aluminum Liner, Add	*39.47*	
		For Stainless Steel Liner, Add	*53.82*	
		For High Temperature Breaching, Add	*224.81*	
		For Very High Temperature Breaching, Add	*341.98*	
23 51 16 00-0028	LF	48" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	895.49	40.09
		For Aluminum Liner, Add	*43.75*	
		For Stainless Steel Liner, Add	*59.66*	
		For High Temperature Breaching, Add	*248.63*	
		For Very High Temperature Breaching, Add	*377.95*	

23 51 16 00-0029 90 Degree Elbows *(23 51 16 00-0001)*

23 51 16 00-0030	EA	3" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	61.80	14.13
		For Aluminum Liner, Add	*1.47*	
		For Stainless Steel Liner, Add	*2.01*	
		For High Temperature Breaching, Add	*11.54*	
		For Very High Temperature Breaching, Add	*19.06*	
23 51 16 00-0031	EA	4" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	68.84	14.92
		For Aluminum Liner, Add	*1.74*	
		For Stainless Steel Liner, Add	*2.37*	
		For High Temperature Breaching, Add	*13.21*	
		For Very High Temperature Breaching, Add	*21.67*	
23 51 16 00-0032	EA	5" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	77.27	15.88
		For Aluminum Liner, Add	*2.08*	
		For Stainless Steel Liner, Add	*2.83*	
		For High Temperature Breaching, Add	*15.28*	
		For Very High Temperature Breaching, Add	*24.89*	
23 51 16 00-0033	EA	6" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	85.86	16.91
		For Aluminum Liner, Add	*2.41*	
		For Stainless Steel Liner, Add	*3.29*	
		For High Temperature Breaching, Add	*17.36*	
		For Very High Temperature Breaching, Add	*28.14*	
23 51 16 00-0034	EA	7" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	103.68	18.10
		For Aluminum Liner, Add	*3.23*	
		For Stainless Steel Liner, Add	*4.40*	
		For High Temperature Breaching, Add	*22.10*	
		For Very High Temperature Breaching, Add	*35.41*	
23 51 16 00-0035	EA	8" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	122.31	19.53
		For Aluminum Liner, Add	*4.04*	
		For Stainless Steel Liner, Add	*5.51*	
		For High Temperature Breaching, Add	*26.93*	
		For Very High Temperature Breaching, Add	*42.83*	
23 51 16 00-0036	EA	10" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	222.09	21.20
		For Aluminum Liner, Add	*9.30*	
		For Stainless Steel Liner, Add	*12.68*	
		For High Temperature Breaching, Add	*56.01*	
		For Very High Temperature Breaching, Add	*86.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0037	EA	12" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	270.82	23.10
		For Aluminum Liner, Add	*11.72*	
		For Stainless Steel Liner, Add	*15.98*	
		For High Temperature Breaching, Add	*69.71*	
		For Very High Temperature Breaching, Add	*107.44*	
23 51 16 00-0038	EA	14" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	355.17	24.21
		For Aluminum Liner, Add	*16.21*	
		For Stainless Steel Liner, Add	*22.10*	
		For High Temperature Breaching, Add	*94.46*	
		For Very High Temperature Breaching, Add	*144.71*	
23 51 16 00-0039	EA	16" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	439.64	25.40
		For Aluminum Liner, Add	*20.69*	
		For Stainless Steel Liner, Add	*28.22*	
		For High Temperature Breaching, Add	*119.22*	
		For Very High Temperature Breaching, Add	*181.99*	
23 51 16 00-0040	EA	18" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	572.51	26.75
		For Aluminum Liner, Add	*27.81*	
		For Stainless Steel Liner, Add	*37.92*	
		For High Temperature Breaching, Add	*158.37*	
		For Very High Temperature Breaching, Add	*240.90*	
23 51 16 00-0041	EA	20" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	804.05	42.31
		For Aluminum Liner, Add	*38.40*	
		For Stainless Steel Liner, Add	*52.36*	
		For High Temperature Breaching, Add	*220.04*	
		For Very High Temperature Breaching, Add	*335.35*	
23 51 16 00-0042	EA	22" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,067.49	44.85
		For Aluminum Liner, Add	*52.54*	
		For Stainless Steel Liner, Add	*71.65*	
		For High Temperature Breaching, Add	*297.82*	
		For Very High Temperature Breaching, Add	*452.34*	
23 51 16 00-0043	EA	24" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,206.84	47.63
		For Aluminum Liner, Add	*59.82*	
		For Stainless Steel Liner, Add	*81.57*	
		For High Temperature Breaching, Add	*338.21*	
		For Very High Temperature Breaching, Add	*513.28*	
23 51 16 00-0044		**45 Degree Elbows** *(23 51 16 00-0001)*		
23 51 16 00-0045	EA	3" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	50.68	14.13
		For Aluminum Liner, Add	*0.85*	
		For Stainless Steel Liner, Add	*1.16*	
		For High Temperature Breaching, Add	*8.15*	
		For Very High Temperature Breaching, Add	*13.99*	
23 51 16 00-0046	EA	4" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	55.58	14.92
		For Aluminum Liner, Add	*1.00*	
		For Stainless Steel Liner, Add	*1.36*	
		For High Temperature Breaching, Add	*9.20*	
		For Very High Temperature Breaching, Add	*15.66*	
23 51 16 00-0047	EA	5" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	61.10	15.88
		For Aluminum Liner, Add	*1.18*	
		For Stainless Steel Liner, Add	*1.61*	
		For High Temperature Breaching, Add	*10.39*	
		For Very High Temperature Breaching, Add	*17.57*	
23 51 16 00-0048	EA	6" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	67.96	16.91
		For Aluminum Liner, Add	*1.41*	
		For Stainless Steel Liner, Add	*1.92*	
		For High Temperature Breaching, Add	*11.92*	
		For Very High Temperature Breaching, Add	*20.00*	
23 51 16 00-0049	EA	7" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	82.08	18.10
		For Aluminum Liner, Add	*2.02*	
		For Stainless Steel Liner, Add	*2.76*	
		For High Temperature Breaching, Add	*15.56*	
		For Very High Temperature Breaching, Add	*25.60*	
23 51 16 00-0050	EA	8" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	91.08	19.53
		For Aluminum Liner, Add	*2.32*	
		For Stainless Steel Liner, Add	*3.17*	
		For High Temperature Breaching, Add	*17.56*	
		For Very High Temperature Breaching, Add	*28.78*	
23 51 16 00-0051	EA	10" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	158.57	21.20
		For Aluminum Liner, Add	*5.81*	
		For Stainless Steel Liner, Add	*7.92*	
		For High Temperature Breaching, Add	*36.99*	
		For Very High Temperature Breaching, Add	*58.12*	
23 51 16 00-0052	EA	12" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	190.92	23.10
		For Aluminum Liner, Add	*7.33*	
		For Stainless Steel Liner, Add	*9.99*	
		For High Temperature Breaching, Add	*45.73*	
		For Very High Temperature Breaching, Add	*71.48*	
23 51 16 00-0053	EA	14" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	247.90	24.21
		For Aluminum Liner, Add	*10.31*	
		For Stainless Steel Liner, Add	*14.06*	
		For High Temperature Breaching, Add	*62.27*	
		For Very High Temperature Breaching, Add	*96.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0054	EA	16" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	298.64	25.40
		For Aluminum Liner, Add	*12.93*	
		For Stainless Steel Liner, Add	*17.64*	
		For High Temperature Breaching, Add	*76.90*	
		For Very High Temperature Breaching, Add	*118.52*	
23 51 16 00-0055	EA	18" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	382.84	26.75
		For Aluminum Liner, Add	*17.38*	
		For Stainless Steel Liner, Add	*23.70*	
		For High Temperature Breaching, Add	*101.48*	
		For Very High Temperature Breaching, Add	*155.57*	
23 51 16 00-0056	EA	20" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	461.98	42.24
		For Aluminum Liner, Add	*19.60*	
		For Stainless Steel Liner, Add	*26.73*	
		For High Temperature Breaching, Add	*117.48*	
		For Very High Temperature Breaching, Add	*181.50*	
23 51 16 00-0057	EA	22" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	648.60	44.85
		For Aluminum Liner, Add	*29.51*	
		For Stainless Steel Liner, Add	*40.24*	
		For High Temperature Breaching, Add	*172.15*	
		For Very High Temperature Breaching, Add	*263.84*	
23 51 16 00-0058	EA	24" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	798.76	47.63
		For Aluminum Liner, Add	*37.39*	
		For Stainless Steel Liner, Add	*50.98*	
		For High Temperature Breaching, Add	*215.83*	
		For Very High Temperature Breaching, Add	*329.69*	
23 51 16 00-0059	EA	26" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,464.13	49.21
		For Aluminum Liner, Add	*73.76*	
		For Stainless Steel Liner, Add	*100.59*	
		For High Temperature Breaching, Add	*414.65*	
		For Very High Temperature Breaching, Add	*628.12*	
23 51 16 00-0060	EA	28" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,504.85	50.81
		For Aluminum Liner, Add	*75.79*	
		For Stainless Steel Liner, Add	*103.34*	
		For High Temperature Breaching, Add	*426.07*	
		For Very High Temperature Breaching, Add	*645.45*	
23 51 16 00-0061	EA	30" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,586.28	53.98
		For Aluminum Liner, Add	*79.83*	
		For Stainless Steel Liner, Add	*108.86*	
		For High Temperature Breaching, Add	*448.91*	
		For Very High Temperature Breaching, Add	*680.11*	
23 51 16 00-0062	EA	32" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,773.96	55.57
		For Aluminum Liner, Add	*89.93*	
		For Stainless Steel Liner, Add	*122.63*	
		For High Temperature Breaching, Add	*504.42*	
		For Very High Temperature Breaching, Add	*763.57*	
23 51 16 00-0063	EA	34" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,938.07	58.74
		For Aluminum Liner, Add	*98.52*	
		For Stainless Steel Liner, Add	*134.35*	
		For High Temperature Breaching, Add	*552.07*	
		For Very High Temperature Breaching, Add	*835.44*	
23 51 16 00-0064	EA	36" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,995.89	63.51
		For Aluminum Liner, Add	*101.05*	
		For Stainless Steel Liner, Add	*137.79*	
		For High Temperature Breaching, Add	*567.04*	
		For Very High Temperature Breaching, Add	*858.49*	
23 51 16 00-0065	EA	38" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,139.23	65.73
		For Aluminum Liner, Add	*108.63*	
		For Stainless Steel Liner, Add	*148.13*	
		For High Temperature Breaching, Add	*608.93*	
		For Very High Temperature Breaching, Add	*921.60*	
23 51 16 00-0066	EA	40" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,279.41	66.68
		For Aluminum Liner, Add	*116.20*	
		For Stainless Steel Liner, Add	*158.46*	
		For High Temperature Breaching, Add	*650.50*	
		For Very High Temperature Breaching, Add	*984.08*	
23 51 16 00-0067	EA	42" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,379.19	69.86
		For Aluminum Liner, Add	*121.26*	
		For Stainless Steel Liner, Add	*165.35*	
		For High Temperature Breaching, Add	*678.85*	
		For Very High Temperature Breaching, Add	*1,027.01*	
23 51 16 00-0068	EA	44" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,524.91	73.03
		For Aluminum Liner, Add	*128.84*	
		For Stainless Steel Liner, Add	*175.68*	
		For High Temperature Breaching, Add	*720.98*	
		For Very High Temperature Breaching, Add	*1,090.60*	
23 51 16 00-0069	EA	46" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,716.57	76.20
		For Aluminum Liner, Add	*138.94*	
		For Stainless Steel Liner, Add	*189.46*	
		For High Temperature Breaching, Add	*776.90*	
		For Very High Temperature Breaching, Add	*1,174.86*	
23 51 16 00-0070	EA	48" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,816.37	79.39
		For Aluminum Liner, Add	*143.99*	
		For Stainless Steel Liner, Add	*196.35*	
		For High Temperature Breaching, Add	*805.25*	
		For Very High Temperature Breaching, Add	*1,217.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0071		Tees *(23 51 16 00-0001)*		
23 51 16 00-0072	EA	3" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	84.77	18.81
		For Aluminum Liner, Add	*2.07*	
		For Stainless Steel Liner, Add	*2.82*	
		For High Temperature Breaching, Add	*16.01*	
		For Very High Temperature Breaching, Add	*26.37*	
23 51 16 00-0073	EA	4" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	88.32	19.53
		For Aluminum Liner, Add	*2.17*	
		For Stainless Steel Liner, Add	*2.96*	
		For High Temperature Breaching, Add	*16.73*	
		For Very High Temperature Breaching, Add	*27.54*	
23 51 16 00-0074	EA	5" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	92.15	20.32
		For Aluminum Liner, Add	*2.27*	
		For Stainless Steel Liner, Add	*3.10*	
		For High Temperature Breaching, Add	*17.48*	
		For Very High Temperature Breaching, Add	*28.77*	
23 51 16 00-0075	EA	6" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	98.88	21.20
		For Aluminum Liner, Add	*2.53*	
		For Stainless Steel Liner, Add	*3.44*	
		For High Temperature Breaching, Add	*19.07*	
		For Very High Temperature Breaching, Add	*31.26*	
23 51 16 00-0076	EA	7" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	118.63	22.06
		For Aluminum Liner, Add	*3.49*	
		For Stainless Steel Liner, Add	*4.75*	
		For High Temperature Breaching, Add	*24.54*	
		For Very High Temperature Breaching, Add	*39.57*	
23 51 16 00-0077	EA	8" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	127.51	23.10
		For Aluminum Liner, Add	*3.84*	
		For Stainless Steel Liner, Add	*5.24*	
		For High Temperature Breaching, Add	*26.71*	
		For Very High Temperature Breaching, Add	*42.95*	
23 51 16 00-0078	EA	10" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	249.71	24.21
		For Aluminum Liner, Add	*10.41*	
		For Stainless Steel Liner, Add	*14.19*	
		For High Temperature Breaching, Add	*62.82*	
		For Very High Temperature Breaching, Add	*97.25*	
23 51 16 00-0079	EA	12" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	291.30	25.40
		For Aluminum Liner, Add	*12.53*	
		For Stainless Steel Liner, Add	*17.09*	
		For High Temperature Breaching, Add	*74.69*	
		For Very High Temperature Breaching, Add	*115.22*	
23 51 16 00-0080	EA	14" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	441.66	28.26
		For Aluminum Liner, Add	*20.41*	
		For Stainless Steel Liner, Add	*27.83*	
		For High Temperature Breaching, Add	*118.39*	
		For Very High Temperature Breaching, Add	*181.11*	
23 51 16 00-0081	EA	16" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	604.80	31.75
		For Aluminum Liner, Add	*28.90*	
		For Stainless Steel Liner, Add	*39.41*	
		For High Temperature Breaching, Add	*165.57*	
		For Very High Temperature Breaching, Add	*252.32*	
23 51 16 00-0082	EA	18" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	752.11	36.27
		For Aluminum Liner, Add	*36.38*	
		For Stainless Steel Liner, Add	*49.61*	
		For High Temperature Breaching, Add	*207.49*	
		For Very High Temperature Breaching, Add	*315.77*	
23 51 16 00-0083	EA	20" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	1,003.05	44.85
		For Aluminum Liner, Add	*49.01*	
		For Stainless Steel Liner, Add	*66.83*	
		For High Temperature Breaching, Add	*278.52*	
		For Very High Temperature Breaching, Add	*423.37*	
23 51 16 00-0084	EA	22" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	1,257.98	58.58
		For Aluminum Liner, Add	*61.13*	
		For Stainless Steel Liner, Add	*83.36*	
		For High Temperature Breaching, Add	*348.10*	
		For Very High Temperature Breaching, Add	*529.48*	
23 51 16 00-0085	EA	24" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	1,450.05	61.91
		For Aluminum Liner, Add	*71.24*	
		For Stainless Steel Liner, Add	*97.14*	
		For High Temperature Breaching, Add	*404.05*	
		For Very High Temperature Breaching, Add	*613.82*	
23 51 16 00-0086	EA	26" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	2,004.00	66.68
		For Aluminum Liner, Add	*101.05*	
		For Stainless Steel Liner, Add	*137.79*	
		For High Temperature Breaching, Add	*567.85*	
		For Very High Temperature Breaching, Add	*860.11*	
23 51 16 00-0087	EA	28" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	2,240.05	69.30
		For Aluminum Liner, Add	*113.68*	
		For Stainless Steel Liner, Add	*155.02*	
		For High Temperature Breaching, Add	*637.38*	
		For Very High Temperature Breaching, Add	*964.73*	
23 51 16 00-0088	EA	30" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	2,433.17	73.03
		For Aluminum Liner, Add	*123.78*	
		For Stainless Steel Liner, Add	*168.80*	
		For High Temperature Breaching, Add	*693.44*	
		For Very High Temperature Breaching, Add	*1,049.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0089	EA	32" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	2,808.51	76.20
		For Aluminum Liner, Add	*143.99*	
		For Stainless Steel Liner, Add	*196.35*	
		For High Temperature Breaching, Add	*804.46*	
		For Very High Temperature Breaching, Add	*1,216.21*	
23 51 16 00-0090	EA	34" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	2,862.43	79.39
		For Aluminum Liner, Add	*146.52*	
		For Stainless Steel Liner, Add	*199.80*	
		For High Temperature Breaching, Add	*819.04*	
		For Very High Temperature Breaching, Add	*1,238.48*	
23 51 16 00-0091	EA	36" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	3,335.07	84.70
		For Aluminum Liner, Add	*171.78*	
		For Stainless Steel Liner, Add	*234.25*	
		For High Temperature Breaching, Add	*958.16*	
		For Very High Temperature Breaching, Add	*1,447.83*	
23 51 16 00-0092	EA	38" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	3,407.45	95.26
		For Aluminum Liner, Add	*174.31*	
		For Stainless Steel Liner, Add	*237.69*	
		For High Temperature Breaching, Add	*974.59*	
		For Very High Temperature Breaching, Add	*1,473.79*	
23 51 16 00-0093	EA	40" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	3,717.03	108.91
		For Aluminum Liner, Add	*189.46*	
		For Stainless Steel Liner, Add	*258.36*	
		For High Temperature Breaching, Add	*1,060.66*	
		For Very High Temperature Breaching, Add	*1,604.61*	
23 51 16 00-0094	EA	42" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	4,083.84	127.01
		For Aluminum Liner, Add	*207.15*	
		For Stainless Steel Liner, Add	*282.47*	
		For High Temperature Breaching, Add	*1,161.65*	
		For Very High Temperature Breaching, Add	*1,758.35*	
23 51 16 00-0095	EA	44" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	4,444.76	142.89
		For Aluminum Liner, Add	*224.83*	
		For Stainless Steel Liner, Add	*306.59*	
		For High Temperature Breaching, Add	*1,262.04*	
		For Very High Temperature Breaching, Add	*1,910.91*	
23 51 16 00-0096	EA	46" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	4,870.08	147.66
		For Aluminum Liner, Add	*247.57*	
		For Stainless Steel Liner, Add	*337.59*	
		For High Temperature Breaching, Add	*1,387.25*	
		For Very High Temperature Breaching, Add	*2,099.32*	
23 51 16 00-0097	EA	48" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	5,157.70	152.41
		For Aluminum Liner, Add	*262.72*	
		For Stainless Steel Liner, Add	*358.26*	
		For High Temperature Breaching, Add	*1,471.13*	
		For Very High Temperature Breaching, Add	*2,225.74*	

23 51 16 00-0098 Vent Top Caps *(23 51 16 00-0001)*

23 51 16 00-0099	EA	3" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	41.85	11.04
		For Aluminum Liner, Add	*0.78*	
		For Stainless Steel Liner, Add	*1.07*	
		For High Temperature Breaching, Add	*7.03*	
		For Very High Temperature Breaching, Add	*11.93*	
23 51 16 00-0100	EA	4" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	43.86	11.59
		For Aluminum Liner, Add	*0.82*	
		For Stainless Steel Liner, Add	*1.12*	
		For High Temperature Breaching, Add	*7.38*	
		For Very High Temperature Breaching, Add	*12.51*	
23 51 16 00-0101	EA	6" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	57.75	12.70
		For Aluminum Liner, Add	*1.43*	
		For Stainless Steel Liner, Add	*1.95*	
		For High Temperature Breaching, Add	*10.98*	
		For Very High Temperature Breaching, Add	*18.05*	
23 51 16 00-0102	EA	8" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	61.25	14.13
		For Aluminum Liner, Add	*1.43*	
		For Stainless Steel Liner, Add	*1.95*	
		For High Temperature Breaching, Add	*11.33*	
		For Very High Temperature Breaching, Add	*18.75*	
23 51 16 00-0103	EA	10" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	75.62	14.92
		For Aluminum Liner, Add	*2.11*	
		For Stainless Steel Liner, Add	*2.87*	
		For High Temperature Breaching, Add	*15.22*	
		For Very High Temperature Breaching, Add	*24.70*	
23 51 16 00-0104	EA	12" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	90.21	15.88
		For Aluminum Liner, Add	*2.78*	
		For Stainless Steel Liner, Add	*3.79*	
		For High Temperature Breaching, Add	*19.13*	
		For Very High Temperature Breaching, Add	*30.67*	
23 51 16 00-0105	EA	16" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	222.62	18.10
		For Aluminum Liner, Add	*9.75*	
		For Stainless Steel Liner, Add	*13.30*	
		For High Temperature Breaching, Add	*57.72*	
		For Very High Temperature Breaching, Add	*88.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0106	EA	18" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	420.46	22.70
		For Aluminum Liner, Add	*20.01*	
		For Stainless Steel Liner, Add	*27.28*	
		For High Temperature Breaching, Add	*114.80*	
		For Very High Temperature Breaching, Add	*175.03*	
23 51 16 00-0107	EA	20" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	784.56	27.23
		For Aluminum Liner, Add	*39.41*	
		For Stainless Steel Liner, Add	*53.74*	
		For High Temperature Breaching, Add	*221.76*	
		For Very High Temperature Breaching, Add	*336.04*	
23 51 16 00-0108	EA	24" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	1,307.85	38.11
		For Aluminum Liner, Add	*66.69*	
		For Stainless Steel Liner, Add	*90.94*	
		For High Temperature Breaching, Add	*373.30*	
		For Very High Temperature Breaching, Add	*564.71*	
23 51 16 00-0109	EA	26" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	1,937.46	40.09
		For Aluminum Liner, Add	*101.05*	
		For Stainless Steel Liner, Add	*137.79*	
		For High Temperature Breaching, Add	*561.19*	
		For Very High Temperature Breaching, Add	*846.80*	
23 51 16 00-0110	EA	28" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	2,172.72	42.31
		For Aluminum Liner, Add	*113.68*	
		For Stainless Steel Liner, Add	*155.02*	
		For High Temperature Breaching, Add	*630.65*	
		For Very High Temperature Breaching, Add	*951.26*	
23 51 16 00-0111	EA	30" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	2,454.59	44.85
		For Aluminum Liner, Add	*128.84*	
		For Stainless Steel Liner, Add	*175.68*	
		For High Temperature Breaching, Add	*713.95*	
		For Very High Temperature Breaching, Add	*1,076.53*	
23 51 16 00-0112	EA	32" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	2,599.38	47.63
		For Aluminum Liner, Add	*136.41*	
		For Stainless Steel Liner, Add	*186.02*	
		For High Temperature Breaching, Add	*755.99*	
		For Very High Temperature Breaching, Add	*1,139.94*	
23 51 16 00-0113	EA	34" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	2,745.10	50.81
		For Aluminum Liner, Add	*143.99*	
		For Stainless Steel Liner, Add	*196.35*	
		For High Temperature Breaching, Add	*798.12*	
		For Very High Temperature Breaching, Add	*1,203.53*	
23 51 16 00-0114	EA	36" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	2,937.79	54.45
		For Aluminum Liner, Add	*154.10*	
		For Stainless Steel Liner, Add	*210.13*	
		For High Temperature Breaching, Add	*854.13*	
		For Very High Temperature Breaching, Add	*1,288.00*	

23 51 16 00-0115 Wall Thimbles *(23 51 16 00-0001)*

23 51 16 00-0116	EA	3" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	16.46	5.95
		For Aluminum Liner, Add	*0.09*	
		For Stainless Steel Liner, Add	*0.12*	
		For High Temperature Breaching, Add	*1.97*	
		For Very High Temperature Breaching, Add	*3.70*	
23 51 16 00-0117	EA	4" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	20.80	7.62
		For Aluminum Liner, Add	*0.09*	
		For Stainless Steel Liner, Add	*0.13*	
		For High Temperature Breaching, Add	*2.42*	
		For Very High Temperature Breaching, Add	*4.58*	
23 51 16 00-0118	EA	5" Or 6" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	27.67	10.24
		For Aluminum Liner, Add	*0.11*	
		For Stainless Steel Liner, Add	*0.15*	
		For High Temperature Breaching, Add	*3.18*	
		For Very High Temperature Breaching, Add	*6.05*	
23 51 16 00-0119	EA	7" Or 8" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	34.68	12.70
		For Aluminum Liner, Add	*0.16*	
		For Stainless Steel Liner, Add	*0.22*	
		For High Temperature Breaching, Add	*4.05*	
		For Very High Temperature Breaching, Add	*7.67*	
23 51 16 00-0120	EA	10" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	50.40	17.15
		For Aluminum Liner, Add	*0.41*	
		For Stainless Steel Liner, Add	*0.56*	
		For High Temperature Breaching, Add	*6.55*	
		For Very High Temperature Breaching, Add	*11.96*	
23 51 16 00-0121	EA	12" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	63.84	21.28
		For Aluminum Liner, Add	*0.59*	
		For Stainless Steel Liner, Add	*0.80*	
		For High Temperature Breaching, Add	*8.52*	
		For Very High Temperature Breaching, Add	*15.43*	
23 51 16 00-0122	EA	14" Or 16" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	81.57	25.40
		For Aluminum Liner, Add	*0.99*	
		For Stainless Steel Liner, Add	*1.35*	
		For High Temperature Breaching, Add	*11.77*	
		For Very High Temperature Breaching, Add	*20.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0123	EA	18" Or 20" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	107.74	30.16
		For Aluminum Liner, Add	*1.78*	
		For Stainless Steel Liner, Add	*2.42*	
		For High Temperature Breaching, Add	*17.24*	
		For Very High Temperature Breaching, Add	*29.63*	
23 51 16 00-0124	EA	22" Or 24" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	148.35	33.34
		For Aluminum Liner, Add	*3.58*	
		For Stainless Steel Liner, Add	*4.88*	
		For High Temperature Breaching, Add	*27.84*	
		For Very High Temperature Breaching, Add	*45.92*	

23 51 16 00-0125 Adjustable Roof Flashing *(23 51 16 00-0001)*

23 51 16 00-0126	EA	3" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	45.81	14.13
		For Aluminum Liner, Add	*0.58*	
		For Stainless Steel Liner, Add	*0.79*	
		For High Temperature Breaching, Add	*6.69*	
		For Very High Temperature Breaching, Add	*11.80*	
23 51 16 00-0127	EA	4" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	50.98	14.92
		For Aluminum Liner, Add	*0.75*	
		For Stainless Steel Liner, Add	*1.02*	
		For High Temperature Breaching, Add	*7.82*	
		For Very High Temperature Breaching, Add	*13.60*	
23 51 16 00-0128	EA	6" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	65.09	16.91
		For Aluminum Liner, Add	*1.25*	
		For Stainless Steel Liner, Add	*1.71*	
		For High Temperature Breaching, Add	*11.07*	
		For Very High Temperature Breaching, Add	*18.71*	
23 51 16 00-0129	EA	8" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	79.96	19.53
		For Aluminum Liner, Add	*1.71*	
		For Stainless Steel Liner, Add	*2.34*	
		For High Temperature Breaching, Add	*14.22*	
		For Very High Temperature Breaching, Add	*23.78*	
23 51 16 00-0130	EA	10" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	138.38	21.20
		For Aluminum Liner, Add	*4.70*	
		For Stainless Steel Liner, Add	*6.41*	
		For High Temperature Breaching, Add	*30.92*	
		For Very High Temperature Breaching, Add	*49.03*	
23 51 16 00-0131	EA	12" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	166.10	23.10
		For Aluminum Liner, Add	*5.96*	
		For Stainless Steel Liner, Add	*8.13*	
		For High Temperature Breaching, Add	*38.29*	
		For Very High Temperature Breaching, Add	*60.32*	
23 51 16 00-0132	EA	14" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	196.71	25.40
		For Aluminum Liner, Add	*7.33*	
		For Stainless Steel Liner, Add	*9.99*	
		For High Temperature Breaching, Add	*46.31*	
		For Very High Temperature Breaching, Add	*72.64*	
23 51 16 00-0133	EA	16" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	236.00	28.26
		For Aluminum Liner, Add	*9.09*	
		For Stainless Steel Liner, Add	*12.40*	
		For High Temperature Breaching, Add	*56.67*	
		For Very High Temperature Breaching, Add	*88.54*	
23 51 16 00-0134	EA	18" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	364.19	31.75
		For Aluminum Liner, Add	*15.66*	
		For Stainless Steel Liner, Add	*21.36*	
		For High Temperature Breaching, Add	*93.37*	
		For Very High Temperature Breaching, Add	*144.03*	
23 51 16 00-0135	EA	20" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	396.12	42.31
		For Aluminum Liner, Add	*15.97*	
		For Stainless Steel Liner, Add	*21.77*	
		For High Temperature Breaching, Add	*97.67*	
		For Very High Temperature Breaching, Add	*151.79*	
23 51 16 00-0136	EA	22" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	503.55	54.45
		For Aluminum Liner, Add	*20.21*	
		For Stainless Steel Liner, Add	*27.56*	
		For High Temperature Breaching, Add	*123.84*	
		For Very High Temperature Breaching, Add	*192.57*	
23 51 16 00-0137	EA	24" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	599.69	63.51
		For Aluminum Liner, Add	*24.25*	
		For Stainless Steel Liner, Add	*33.07*	
		For High Temperature Breaching, Add	*148.16*	
		For Very High Temperature Breaching, Add	*230.17*	

23 51 16 00-0138 Galvanized Storm Collars *(23 51 16 00-0001)*

23 51 16 00-0139	EA	3" Round Galvanized Storm Collar, Double Wall	17.88	5.95
		For Aluminum Liner, Add	*0.17*	
		For Stainless Steel Liner, Add	*0.23*	
		For High Temperature Breaching, Add	*2.40*	
		For Very High Temperature Breaching, Add	*4.34*	
23 51 16 00-0140	EA	4" Round Galvanized Storm Collar, Double Wall	22.55	7.62
		For Aluminum Liner, Add	*0.19*	
		For Stainless Steel Liner, Add	*0.26*	
		For High Temperature Breaching, Add	*2.96*	
		For Very High Temperature Breaching, Add	*5.39*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0141	EA	5" Round Galvanized Storm Collar, Double Wall	26.58	8.89
		For Aluminum Liner, Add	*0.24*	
		For Stainless Steel Liner, Add	*0.33*	
		For High Temperature Breaching, Add	*3.53*	
		For Very High Temperature Breaching, Add	*6.40*	
23 51 16 00-0142	EA	6" Round Galvanized Storm Collar, Double Wall	30.64	10.16
		For Aluminum Liner, Add	*0.29*	
		For Stainless Steel Liner, Add	*0.39*	
		For High Temperature Breaching, Add	*4.11*	
		For Very High Temperature Breaching, Add	*7.44*	
23 51 16 00-0143	EA	7" Or 8" Round Galvanized Storm Collar, Double Wall	38.71	12.70
		For Aluminum Liner, Add	*0.38*	
		For Stainless Steel Liner, Add	*0.52*	
		For High Temperature Breaching, Add	*5.26*	
		For Very High Temperature Breaching, Add	*9.48*	
23 51 16 00-0144	EA	10" Round Galvanized Storm Collar, Double Wall	53.77	17.15
		For Aluminum Liner, Add	*0.60*	
		For Stainless Steel Liner, Add	*0.82*	
		For High Temperature Breaching, Add	*7.56*	
		For Very High Temperature Breaching, Add	*13.48*	
23 51 16 00-0145	EA	12" Round Galvanized Storm Collar, Double Wall	66.29	21.28
		For Aluminum Liner, Add	*0.72*	
		For Stainless Steel Liner, Add	*0.98*	
		For High Temperature Breaching, Add	*9.25*	
		For Very High Temperature Breaching, Add	*16.53*	
23 51 16 00-0146	EA	14" Or 16" Round Galvanized Storm Collar, Double Wall	85.75	25.40
		For Aluminum Liner, Add	*1.22*	
		For Stainless Steel Liner, Add	*1.67*	
		For High Temperature Breaching, Add	*13.02*	
		For Very High Temperature Breaching, Add	*22.71*	
23 51 16 00-0147	EA	18" Or 20" Round Galvanized Storm Collar, Double Wall	115.66	30.16
		For Aluminum Liner, Add	*2.21*	
		For Stainless Steel Liner, Add	*3.02*	
		For High Temperature Breaching, Add	*19.62*	
		For Very High Temperature Breaching, Add	*33.19*	
23 51 16 00-0148	EA	22" Or 24" Round Galvanized Storm Collar, Double Wall	168.15	33.34
		For Aluminum Liner, Add	*4.66*	
		For Stainless Steel Liner, Add	*6.36*	
		For High Temperature Breaching, Add	*33.78*	
		For Very High Temperature Breaching, Add	*54.83*	

23 51 16 00-0149 Oval Galvanized Double Wall Flue/Vent Pipe And Fittings *(23 51 16)*

23 51 16 00-0150 Oval Galvanized Double Wall Flue/Vent Pipe *(23 51 16 00-0149)*

23 51 16 00-0151	LF	4" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	31.83	7.46
		For High Temperature Breaching, Add	*5.82*	
		For Very High Temperature Breaching, Add	*9.66*	
23 51 16 00-0152	LF	5" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	35.34	7.94
		For High Temperature Breaching, Add	*6.66*	
		For Very High Temperature Breaching, Add	*10.98*	
23 51 16 00-0153	LF	6" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	39.33	8.49
		For High Temperature Breaching, Add	*7.56*	
		For Very High Temperature Breaching, Add	*12.40*	

23 51 16 00-0154 45 Degree Elbows *(23 51 16 00-0149)*

23 51 16 00-0155	EA	4" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	70.28	15.48
		For High Temperature Breaching, Add	*13.34*	
		For Very High Temperature Breaching, Add	*21.95*	
23 51 16 00-0156	EA	5" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	81.99	18.10
		For High Temperature Breaching, Add	*15.55*	
		For Very High Temperature Breaching, Add	*25.58*	
23 51 16 00-0157	EA	6" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	98.33	20.48
		For High Temperature Breaching, Add	*19.26*	
		For Very High Temperature Breaching, Add	*31.44*	
23 51 16 00-0158	EA	4" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	71.86	15.48
		For High Temperature Breaching, Add	*13.81*	
		For Very High Temperature Breaching, Add	*22.66*	
23 51 16 00-0159	EA	5" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	85.83	18.10
		For High Temperature Breaching, Add	*16.70*	
		For Very High Temperature Breaching, Add	*27.31*	
23 51 16 00-0160	EA	6" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	100.81	20.48
		For High Temperature Breaching, Add	*20.00*	
		For Very High Temperature Breaching, Add	*32.56*	

23 51 16 00-0161 Tees *(23 51 16 00-0149)*

23 51 16 00-0162	EA	4" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe	118.99	23.49
		For High Temperature Breaching, Add	*23.94*	
		For Very High Temperature Breaching, Add	*38.85*	
23 51 16 00-0163	EA	4" Short Snout Oval Flue/Vent Tee, Galvanized Double Wall Breech/Smoke Pipe	121.47	23.49
		For High Temperature Breaching, Add	*24.68*	
		For Very High Temperature Breaching, Add	*39.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0164	EA	5" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe	139.62	26.99
		For High Temperature Breaching, Add	*28.39*	
		For Very High Temperature Breaching, Add	*45.96*	
23 51 16 00-0165	EA	6" Oval Flue/Vent Tee With Round Coupling, Galvanized Double Wall Breech/Smoke Pipe	160.13	30.24
		For High Temperature Breaching, Add	*32.92*	
		For Very High Temperature Breaching, Add	*53.16*	

23 51 16 00-0166 Tops/Caps And Adjustable Flashing *(23 51 16 00-0149)*

23 51 16 00-0167	EA	4" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe	46.40	7.62
		For High Temperature Breaching, Add	*10.10*	
		For Very High Temperature Breaching, Add	*16.10*	
23 51 16 00-0168	EA	6" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe	73.51	10.24
		For High Temperature Breaching, Add	*16.93*	
		For Very High Temperature Breaching, Add	*26.68*	
23 51 16 00-0169	EA	4" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe	36.70	7.62
		For High Temperature Breaching, Add	*7.19*	
		For Very High Temperature Breaching, Add	*11.74*	
23 51 16 00-0170	EA	6" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe	64.38	10.24
		For High Temperature Breaching, Add	*14.19*	
		For Very High Temperature Breaching, Add	*22.57*	

23 51 16 00-0171 Storm Collars *(23 51 16 00-0149)*

23 51 16 00-0172	EA	4" Oval Galvanized Storm Collar, Double Wall	22.55	7.62
		For High Temperature Breaching, Add	*2.96*	
		For Very High Temperature Breaching, Add	*5.39*	
23 51 16 00-0173	EA	5" Oval Galvanized Storm Collar, Double Wall	26.58	8.89
		For High Temperature Breaching, Add	*3.53*	
		For Very High Temperature Breaching, Add	*6.40*	
23 51 16 00-0174	EA	6" Oval Galvanized Storm Collar, Double Wall	30.64	10.16
		For High Temperature Breaching, Add	*4.11*	
		For Very High Temperature Breaching, Add	*7.44*	

23 51 16 00-0175 Round Double Wall Flue/Vent Pipe And Fittings *(23 51 16)*

Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.

23 51 16 00-0176 Round Double Wall Flue/Vent Pipe *(23 51 16 00-0175)*

Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.

23 51 16 00-0177	LF	6" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	79.23	8.49
		For 316 Stainless Steel, Add	*9.28*	
		For 2" Instead Of 1" Thickness, Add	*5.80*	
		For 3" Instead Of 1" Thickness, Add	*11.60*	
23 51 16 00-0178	LF	8" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	95.27	9.77
		For 316 Stainless Steel, Add	*11.33*	
		For 2" Instead Of 1" Thickness, Add	*7.08*	
		For 3" Instead Of 1" Thickness, Add	*14.16*	
23 51 16 00-0179	LF	10" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	105.79	10.55
		For 316 Stainless Steel, Add	*12.70*	
		For 2" Instead Of 1" Thickness, Add	*7.94*	
		For 3" Instead Of 1" Thickness, Add	*15.87*	
23 51 16 00-0180	LF	12" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	119.31	11.51
		For 316 Stainless Steel, Add	*14.47*	
		For 2" Instead Of 1" Thickness, Add	*9.05*	
		For 3" Instead Of 1" Thickness, Add	*18.09*	
23 51 16 00-0181	LF	14" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	134.35	12.06
		For 316 Stainless Steel, Add	*16.66*	
		For 2" Instead Of 1" Thickness, Add	*10.41*	
		For 3" Instead Of 1" Thickness, Add	*20.82*	
23 51 16 00-0182	LF	16" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	141.89	12.70
		For 316 Stainless Steel, Add	*17.61*	
		For 2" Instead Of 1" Thickness, Add	*11.01*	
		For 3" Instead Of 1" Thickness, Add	*22.02*	
23 51 16 00-0183	LF	18" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	157.19	13.41
		For 316 Stainless Steel, Add	*19.80*	
		For 2" Instead Of 1" Thickness, Add	*12.37*	
		For 3" Instead Of 1" Thickness, Add	*24.75*	
23 51 16 00-0184	LF	20" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	194.60	21.20
		For 316 Stainless Steel, Add	*22.66*	
		For 2" Instead Of 1" Thickness, Add	*14.17*	
		For 3" Instead Of 1" Thickness, Add	*28.33*	
23 51 16 00-0185	LF	24" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	242.16	23.82
		For 316 Stainless Steel, Add	*29.22*	
		For 2" Instead Of 1" Thickness, Add	*18.26*	
		For 3" Instead Of 1" Thickness, Add	*36.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0186	LF	28" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	273.38	25.40
		For 316 Stainless Steel, Add	*33.59*	
		For 2" Instead Of 1" Thickness, Add	*20.99*	
		For 3" Instead Of 1" Thickness, Add	*41.98*	
23 51 16 00-0187	LF	32" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	306.00	28.18
		For 316 Stainless Steel, Add	*37.68*	
		For 2" Instead Of 1" Thickness, Add	*23.55*	
		For 3" Instead Of 1" Thickness, Add	*47.10*	
23 51 16 00-0188	LF	36" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	340.63	30.48
		For 316 Stainless Steel, Add	*42.32*	
		For 2" Instead Of 1" Thickness, Add	*26.45*	
		For 3" Instead Of 1" Thickness, Add	*52.90*	
23 51 16 00-0189	LF	42" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	388.87	34.69
		For 316 Stainless Steel, Add	*48.33*	
		For 2" Instead Of 1" Thickness, Add	*30.21*	
		For 3" Instead Of 1" Thickness, Add	*60.41*	
23 51 16 00-0190	LF	48" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	455.40	40.17
		For 316 Stainless Steel, Add	*56.80*	
		For 2" Instead Of 1" Thickness, Add	*35.50*	
		For 3" Instead Of 1" Thickness, Add	*71.00*	

23 51 16 00-0191 90 Degree Elbows *(23 51 16 00-0175)*

23 51 16 00-0192	EA	6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	373.22	17.54
		For 316 Stainless Steel, Add	*65.88*	
		For 2" Instead Of 1" Thickness, Add	*32.94*	
		For 3" Instead Of 1" Thickness, Add	*65.88*	
23 51 16 00-0193	EA	8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	412.32	19.53
		For 316 Stainless Steel, Add	*72.70*	
		For 2" Instead Of 1" Thickness, Add	*36.35*	
		For 3" Instead Of 1" Thickness, Add	*72.70*	
23 51 16 00-0194	EA	10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	469.38	21.20
		For 316 Stainless Steel, Add	*83.28*	
		For 2" Instead Of 1" Thickness, Add	*41.64*	
		For 3" Instead Of 1" Thickness, Add	*83.28*	
23 51 16 00-0195	EA	12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	530.44	23.10
		For 316 Stainless Steel, Add	*94.55*	
		For 2" Instead Of 1" Thickness, Add	*47.27*	
		For 3" Instead Of 1" Thickness, Add	*94.55*	
23 51 16 00-0196	EA	14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	615.14	24.21
		For 316 Stainless Steel, Add	*110.93*	
		For 2" Instead Of 1" Thickness, Add	*55.47*	
		For 3" Instead Of 1" Thickness, Add	*110.93*	
23 51 16 00-0197	EA	16" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	677.88	25.40
		For 316 Stainless Steel, Add	*122.88*	
		For 2" Instead Of 1" Thickness, Add	*61.44*	
		For 3" Instead Of 1" Thickness, Add	*122.88*	
23 51 16 00-0198	EA	18" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	783.61	26.75
		For 316 Stainless Steel, Add	*143.36*	
		For 2" Instead Of 1" Thickness, Add	*71.68*	
		For 3" Instead Of 1" Thickness, Add	*143.36*	
23 51 16 00-0199	EA	20" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	907.96	42.31
		For 316 Stainless Steel, Add	*160.42*	
		For 2" Instead Of 1" Thickness, Add	*80.21*	
		For 3" Instead Of 1" Thickness, Add	*160.42*	
23 51 16 00-0200	EA	24" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,117.44	47.63
		For 316 Stainless Steel, Add	*199.67*	
		For 2" Instead Of 1" Thickness, Add	*99.84*	
		For 3" Instead Of 1" Thickness, Add	*199.67*	
23 51 16 00-0201	EA	28" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,355.77	50.81
		For 316 Stainless Steel, Add	*245.75*	
		For 2" Instead Of 1" Thickness, Add	*122.88*	
		For 3" Instead Of 1" Thickness, Add	*245.75*	
23 51 16 00-0202	EA	32" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,791.44	54.38
		For 316 Stainless Steel, Add	*331.08*	
		For 2" Instead Of 1" Thickness, Add	*165.54*	
		For 3" Instead Of 1" Thickness, Add	*331.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0203	EA	36" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,036.03	63.51
		For 316 Stainless Steel, Add	*375.45*	
		For 2" Instead Of 1" Thickness, Add	*187.73*	
		For 3" Instead Of 1" Thickness, Add	*375.45*	
23 51 16 00-0204	EA	42" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,989.06	69.30
		For 316 Stainless Steel, Add	*563.18*	
		For 2" Instead Of 1" Thickness, Add	*281.59*	
		For 3" Instead Of 1" Thickness, Add	*563.18*	
23 51 16 00-0205	EA	48" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,731.74	76.20
		For 316 Stainless Steel, Add	*708.24*	
		For 2" Instead Of 1" Thickness, Add	*354.12*	
		For 3" Instead Of 1" Thickness, Add	*708.24*	
23 51 16 00-0206		**45 Degree Elbows** *(23 51 16 00-0175)*		
23 51 16 00-0207	EA	6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	248.81	16.91
		For 316 Stainless Steel, Add	*41.30*	
		For 2" Instead Of 1" Thickness, Add	*20.65*	
		For 3" Instead Of 1" Thickness, Add	*41.30*	
23 51 16 00-0208	EA	8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	284.32	19.53
		For 316 Stainless Steel, Add	*47.10*	
		For 2" Instead Of 1" Thickness, Add	*23.55*	
		For 3" Instead Of 1" Thickness, Add	*47.10*	
23 51 16 00-0209	EA	10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	315.77	21.20
		For 316 Stainless Steel, Add	*52.56*	
		For 2" Instead Of 1" Thickness, Add	*26.28*	
		For 3" Instead Of 1" Thickness, Add	*52.56*	
23 51 16 00-0210	EA	12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	359.79	23.10
		For 316 Stainless Steel, Add	*60.41*	
		For 2" Instead Of 1" Thickness, Add	*30.21*	
		For 3" Instead Of 1" Thickness, Add	*60.41*	
23 51 16 00-0211	EA	14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	405.23	24.21
		For 316 Stainless Steel, Add	*68.95*	
		For 2" Instead Of 1" Thickness, Add	*34.47*	
		For 3" Instead Of 1" Thickness, Add	*68.95*	
23 51 16 00-0212	EA	16" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	454.31	25.40
		For 316 Stainless Steel, Add	*78.16*	
		For 2" Instead Of 1" Thickness, Add	*39.08*	
		For 3" Instead Of 1" Thickness, Add	*78.16*	
23 51 16 00-0213	EA	18" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	508.84	26.75
		For 316 Stainless Steel, Add	*88.40*	
		For 2" Instead Of 1" Thickness, Add	*44.20*	
		For 3" Instead Of 1" Thickness, Add	*88.40*	
23 51 16 00-0214	EA	20" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	611.01	42.31
		For 316 Stainless Steel, Add	*101.03*	
		For 2" Instead Of 1" Thickness, Add	*50.52*	
		For 3" Instead Of 1" Thickness, Add	*101.03*	
23 51 16 00-0215	EA	24" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	767.58	47.63
		For 316 Stainless Steel, Add	*129.70*	
		For 2" Instead Of 1" Thickness, Add	*64.85*	
		For 3" Instead Of 1" Thickness, Add	*129.70*	
23 51 16 00-0216	EA	28" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	860.85	50.81
		For 316 Stainless Steel, Add	*146.77*	
		For 2" Instead Of 1" Thickness, Add	*73.38*	
		For 3" Instead Of 1" Thickness, Add	*146.77*	
23 51 16 00-0217	EA	32" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,117.33	54.38
		For 316 Stainless Steel, Add	*196.26*	
		For 2" Instead Of 1" Thickness, Add	*98.13*	
		For 3" Instead Of 1" Thickness, Add	*196.26*	
23 51 16 00-0218	EA	36" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,481.38	63.51
		For 316 Stainless Steel, Add	*264.52*	
		For 2" Instead Of 1" Thickness, Add	*132.26*	
		For 3" Instead Of 1" Thickness, Add	*264.52*	
23 51 16 00-0219	EA	42" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,965.09	69.30
		For 316 Stainless Steel, Add	*358.39*	
		For 2" Instead Of 1" Thickness, Add	*179.19*	
		For 3" Instead Of 1" Thickness, Add	*358.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0220	EA	48" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,622.45	76.20
		For 316 Stainless Steel, Add	*486.38*	
		For 2" Instead Of 1" Thickness, Add	*243.19*	
		For 3" Instead Of 1" Thickness, Add	*486.38*	
23 51 16 00-0221		**Tees** *(23 51 16 00-0175)*		
23 51 16 00-0222	EA	6" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	269.71	21.20
		For 316 Stainless Steel, Add	*47.68*	
		For Tee Cap, Add	*61.89*	
		For 2" Instead Of 1" Thickness, Add	*21.67*	
		For 3" Instead Of 1" Thickness, Add	*43.35*	
23 51 16 00-0223	EA	8" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	306.88	23.10
		For 316 Stainless Steel, Add	*54.82*	
		For Tee Cap, Add	*70.03*	
		For 2" Instead Of 1" Thickness, Add	*24.92*	
		For 3" Instead Of 1" Thickness, Add	*49.83*	
23 51 16 00-0224	EA	10" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	352.30	24.21
		For 316 Stainless Steel, Add	*64.20*	
		For Tee Cap, Add	*79.53*	
		For 2" Instead Of 1" Thickness, Add	*29.18*	
		For 3" Instead Of 1" Thickness, Add	*58.37*	
23 51 16 00-0225	EA	12" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	404.81	25.40
		For 316 Stainless Steel, Add	*75.09*	
		For Tee Cap, Add	*90.49*	
		For 2" Instead Of 1" Thickness, Add	*34.13*	
		For 3" Instead Of 1" Thickness, Add	*68.26*	
23 51 16 00-0226	EA	14" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	473.32	28.26
		For 316 Stainless Steel, Add	*88.61*	
		For Tee Cap, Add	*105.25*	
		For 2" Instead Of 1" Thickness, Add	*40.28*	
		For 3" Instead Of 1" Thickness, Add	*80.55*	
23 51 16 00-0227	EA	16" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	531.59	31.75
		For 316 Stainless Steel, Add	*99.50*	
		For Tee Cap, Add	*118.22*	
		For 2" Instead Of 1" Thickness, Add	*45.23*	
		For 3" Instead Of 1" Thickness, Add	*90.45*	
23 51 16 00-0228	EA	18" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	619.70	36.27
		For 316 Stainless Steel, Add	*116.39*	
		For Tee Cap, Add	*137.54*	
		For 2" Instead Of 1" Thickness, Add	*52.91*	
		For 3" Instead Of 1" Thickness, Add	*105.81*	
23 51 16 00-0229	EA	20" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	709.38	44.85
		For 316 Stainless Steel, Add	*131.41*	
		For Tee Cap, Add	*158.69*	
		For 2" Instead Of 1" Thickness, Add	*59.73*	
		For 3" Instead Of 1" Thickness, Add	*119.46*	
23 51 16 00-0230	EA	24" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	901.14	63.51
		For 316 Stainless Steel, Add	*163.32*	
		For Tee Cap, Add	*204.04*	
		For 2" Instead Of 1" Thickness, Add	*74.24*	
		For 3" Instead Of 1" Thickness, Add	*148.48*	
23 51 16 00-0231	EA	28" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,094.72	69.30
		For 316 Stainless Steel, Add	*202.75*	
		For Tee Cap, Add	*244.92*	
		For 2" Instead Of 1" Thickness, Add	*92.16*	
		For 3" Instead Of 1" Thickness, Add	*184.31*	
23 51 16 00-0232	EA	32" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,453.41	76.20
		For 316 Stainless Steel, Add	*277.84*	
		For Tee Cap, Add	*319.26*	
		For 2" Instead Of 1" Thickness, Add	*126.29*	
		For 3" Instead Of 1" Thickness, Add	*252.58*	
23 51 16 00-0233	EA	36" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,619.74	84.70
		For 316 Stainless Steel, Add	*309.75*	
		For Tee Cap, Add	*355.72*	
		For 2" Instead Of 1" Thickness, Add	*140.80*	
		For 3" Instead Of 1" Thickness, Add	*281.59*	
23 51 16 00-0234	EA	42" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,578.79	127.01
		For 316 Stainless Steel, Add	*497.48*	
		For Tee Cap, Add	*563.39*	
		For 2" Instead Of 1" Thickness, Add	*226.13*	
		For 3" Instead Of 1" Thickness, Add	*452.25*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0235	EA	48" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,239.63	152.41
		For 316 Stainless Steel, Add	*628.89*	
		For Tee Cap, Add	*705.09*	
		For 2" Instead Of 1" Thickness, Add	*285.86*	
		For 3" Instead Of 1" Thickness, Add	*571.71*	

23 51 16 00-0236 Bellows *(23 51 16 00-0175)*

23 51 16 00-0237	EA	6" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	509.92	16.91
		For 2" Instead Of 1" Thickness, Add	*46.76*	
		For 3" Instead Of 1" Thickness, Add	*93.52*	
23 51 16 00-0238	EA	8" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	555.67	19.53
		For 2" Instead Of 1" Thickness, Add	*50.69*	
		For 3" Instead Of 1" Thickness, Add	*101.37*	
23 51 16 00-0239	EA	10" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	607.62	21.20
		For 2" Instead Of 1" Thickness, Add	*55.47*	
		For 3" Instead Of 1" Thickness, Add	*110.93*	
23 51 16 00-0240	EA	12" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	672.09	23.10
		For 2" Instead Of 1" Thickness, Add	*61.44*	
		For 3" Instead Of 1" Thickness, Add	*122.88*	
23 51 16 00-0241	EA	14" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	751.67	24.21
		For 2" Instead Of 1" Thickness, Add	*69.12*	
		For 3" Instead Of 1" Thickness, Add	*138.24*	
23 51 16 00-0242	EA	16" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	831.47	25.40
		For 2" Instead Of 1" Thickness, Add	*76.80*	
		For 3" Instead Of 1" Thickness, Add	*153.59*	
23 51 16 00-0243	EA	18" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	928.67	26.75
		For 2" Instead Of 1" Thickness, Add	*86.18*	
		For 3" Instead Of 1" Thickness, Add	*172.37*	
23 51 16 00-0244	EA	20" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,078.61	42.31
		For 2" Instead Of 1" Thickness, Add	*97.28*	
		For 3" Instead Of 1" Thickness, Add	*194.55*	
23 51 16 00-0245	EA	24" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,330.77	47.63
		For 2" Instead Of 1" Thickness, Add	*121.17*	
		For 3" Instead Of 1" Thickness, Add	*242.34*	
23 51 16 00-0246	EA	28" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,492.32	50.81
		For 2" Instead Of 1" Thickness, Add	*136.53*	
		For 3" Instead Of 1" Thickness, Add	*273.06*	
23 51 16 00-0247	EA	32" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,706.19	54.45
		For 2" Instead Of 1" Thickness, Add	*157.01*	
		For 3" Instead Of 1" Thickness, Add	*314.02*	
23 51 16 00-0248	EA	36" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,950.71	63.51
		For 2" Instead Of 1" Thickness, Add	*179.19*	
		For 3" Instead Of 1" Thickness, Add	*358.39*	
23 51 16 00-0249	EA	42" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,477.09	69.30
		For 2" Instead Of 1" Thickness, Add	*230.39*	
		For 3" Instead Of 1" Thickness, Add	*460.78*	
23 51 16 00-0250	EA	48" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,006.44	76.20
		For 2" Instead Of 1" Thickness, Add	*281.59*	
		For 3" Instead Of 1" Thickness, Add	*563.18*	

23 51 16 00-0251 Ventilated Roof Thimbles *(23 51 16 00-0175)*

23 51 16 00-0252	EA	6" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	338.96	19.53
		For 316 Stainless Steel, Add	*29.01*	
23 51 16 00-0253	EA	8" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	368.31	23.10
		For 316 Stainless Steel, Add	*31.06*	
23 51 16 00-0254	EA	10" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	403.10	25.40
		For 316 Stainless Steel, Add	*33.96*	
23 51 16 00-0255	EA	12" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	435.82	28.26
		For 316 Stainless Steel, Add	*36.52*	
23 51 16 00-0256	EA	14" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	554.29	29.93
		For 316 Stainless Steel, Add	*47.96*	

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23 51 16 00-0257	EA	16" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	495.78	31.75
		For 316 Stainless Steel, Add	*41.64*	
23 51 16 00-0258	EA	18" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	533.55	33.90
		For 316 Stainless Steel, Add	*44.88*	
23 51 16 00-0259	EA	20" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	600.34	47.63
		For 316 Stainless Steel, Add	*48.13*	
23 51 16 00-0260	EA	24" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	673.51	54.38
		For 316 Stainless Steel, Add	*53.76*	
23 51 16 00-0261	EA	28" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	769.37	58.58
		For 316 Stainless Steel, Add	*62.29*	
23 51 16 00-0262	EA	32" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	858.37	63.42
		For 316 Stainless Steel, Add	*69.97*	
23 51 16 00-0263	EA	36" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	958.37	76.12
		For 316 Stainless Steel, Add	*76.80*	
23 51 16 00-0264	EA	42" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,227.02	84.62
		For 316 Stainless Steel, Add	*101.54*	
23 51 16 00-0265	EA	48" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,517.95	95.18
		For 316 Stainless Steel, Add	*128.00*	

23 51 16 00-0266 Exit Cones *(23 51 16 00-0175)*

23 51 16 00-0267	EA	6" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	234.14	11.04
23 51 16 00-0268	EA	8" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	246.99	12.06
23 51 16 00-0269	EA	10" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	265.55	12.70
23 51 16 00-0270	EA	12" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	277.47	13.33
23 51 16 00-0271	EA	14" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	305.66	13.74
23 51 16 00-0272	EA	16" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	333.88	14.05
23 51 16 00-0273	EA	18" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	404.88	14.53
23 51 16 00-0274	EA	20" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	506.65	27.23
23 51 16 00-0275	EA	24" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	636.44	29.30
23 51 16 00-0276	EA	28" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	758.85	30.48
23 51 16 00-0277	EA	32" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	932.71	31.75
23 51 16 00-0278	EA	36" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,059.40	34.69
23 51 16 00-0279	EA	42" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,336.59	36.27
23 51 16 00-0280	EA	48" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,708.02	38.11

23 51 16 00-0281 Vent Top Caps *(23 51 16 00-0175)*

23 51 16 00-0282	EA	6" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	256.26	11.04
23 51 16 00-0283	EA	8" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	296.48	12.06
23 51 16 00-0284	EA	10" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	344.03	12.70
23 51 16 00-0285	EA	12" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	395.20	13.33
23 51 16 00-0286	EA	14" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	460.93	13.74
23 51 16 00-0287	EA	16" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	523.35	14.13
23 51 16 00-0288	EA	18" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	582.40	14.53
23 51 16 00-0289	EA	20" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	699.43	27.23
23 51 16 00-0290	EA	24" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	832.70	29.30
23 51 16 00-0291	EA	28" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	903.87	30.48
23 51 16 00-0292	EA	32" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,026.51	31.75

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0293	EA	36" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,195.84	34.61
23 51 16 00-0294	EA	42" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,455.99	36.27
23 51 16 00-0295	EA	48" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,690.89	38.11

23 51 16 00-0296 Roof Support Assemblies *(23 51 16 00-0175)*

23 51 16 00-0297	EA	6" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	386.94	20.32
		For 316 Stainless Steel, Add	*67.24*	
23 51 16 00-0298	EA	8" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	427.41	24.21
		For 316 Stainless Steel, Add	*73.38*	
23 51 16 00-0299	EA	10" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	469.55	26.75
		For 316 Stainless Steel, Add	*80.55*	
23 51 16 00-0300	EA	12" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	501.31	29.85
		For 316 Stainless Steel, Add	*85.33*	
23 51 16 00-0301	EA	14" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	558.94	31.75
		For 316 Stainless Steel, Add	*95.91*	
23 51 16 00-0302	EA	16" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	593.25	33.90
		For 316 Stainless Steel, Add	*101.71*	
23 51 16 00-0303	EA	18" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	636.92	36.35
		For 316 Stainless Steel, Add	*109.22*	
23 51 16 00-0304	EA	20" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	707.26	50.81
		For 316 Stainless Steel, Add	*116.05*	
23 51 16 00-0305	EA	24" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	795.08	58.66
		For 316 Stainless Steel, Add	*129.70*	
23 51 16 00-0306	EA	28" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	918.20	63.51
		For 316 Stainless Steel, Add	*151.89*	
23 51 16 00-0307	EA	32" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,094.74	69.30
		For 316 Stainless Steel, Add	*184.31*	
23 51 16 00-0308	EA	36" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,269.89	84.70
		For 316 Stainless Steel, Add	*211.62*	
23 51 16 00-0309	EA	42" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,893.54	95.26
		For 316 Stainless Steel, Add	*331.08*	
23 51 16 00-0310	EA	48" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,318.68	108.28
		For 316 Stainless Steel, Add	*409.59*	

23 51 16 00-0311 Round Stainless Steel Double Wall Flue/Vent Pipe And Fittings *(23 51 16)*

Note: With 1" insulation.

23 51 16 00-0312 Round Stainless Steel Double Wall Flue/Vent Pipe *(23 51 16 00-0311)*

Note: With 1" insulation.

23 51 16 00-0313	LF	6" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	69.00	8.49
		For 2" Instead Of 1" Thickness, Add	*4.78*	
		For 3" Instead Of 1" Thickness, Add	*9.56*	
23 51 16 00-0314	LF	7" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	84.14	9.05
		For 2" Instead Of 1" Thickness, Add	*6.14*	
		For 3" Instead Of 1" Thickness, Add	*12.29*	
23 51 16 00-0315	LF	8" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	96.13	9.77
		For 2" Instead Of 1" Thickness, Add	*7.17*	
		For 3" Instead Of 1" Thickness, Add	*14.34*	
23 51 16 00-0316	LF	10" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	130.48	10.55
		For 2" Instead Of 1" Thickness, Add	*10.41*	
		For 3" Instead Of 1" Thickness, Add	*20.82*	
23 51 16 00-0317	LF	12" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	168.83	11.59
		For 2" Instead Of 1" Thickness, Add	*13.99*	
		For 3" Instead Of 1" Thickness, Add	*27.99*	
23 51 16 00-0318	LF	14" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	214.62	12.15
		For 2" Instead Of 1" Thickness, Add	*18.43*	
		For 3" Instead Of 1" Thickness, Add	*36.86*	

23 51 16 00-0319 90 Degree Elbows *(23 51 16 00-0311)*

23 51 16 00-0320	EA	6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	149.00	16.91
		For 2" Instead Of 1" Thickness, Add	*10.67*	
		For 3" Instead Of 1" Thickness, Add	*21.33*	
23 51 16 00-0321	EA	7" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	164.79	18.10
		For 2" Instead Of 1" Thickness, Add	*11.95*	
		For 3" Instead Of 1" Thickness, Add	*23.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0322	EA	8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	185.37	19.53
		For 2" Instead Of 1" Thickness, Add	*13.65*	
		For 3" Instead Of 1" Thickness, Add	*27.31*	
23 51 16 00-0323	EA	10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	230.44	21.20
		For 2" Instead Of 1" Thickness, Add	*17.75*	
		For 3" Instead Of 1" Thickness, Add	*35.50*	
23 51 16 00-0324	EA	12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	274.46	23.10
		For 2" Instead Of 1" Thickness, Add	*21.67*	
		For 3" Instead Of 1" Thickness, Add	*43.35*	
23 51 16 00-0325	EA	14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	319.85	24.21
		For 2" Instead Of 1" Thickness, Add	*25.94*	
		For 3" Instead Of 1" Thickness, Add	*51.88*	
23 51 16 00-0326		**45 Degree Elbows** *(23 51 16 00-0311)*		
23 51 16 00-0327	EA	6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	122.35	16.91
		For 2" Instead Of 1" Thickness, Add	*8.00*	
		For 3" Instead Of 1" Thickness, Add	*16.00*	
23 51 16 00-0328	EA	7" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	134.92	18.10
		For 2" Instead Of 1" Thickness, Add	*8.96*	
		For 3" Instead Of 1" Thickness, Add	*17.92*	
23 51 16 00-0329	EA	8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	151.25	19.53
		For 2" Instead Of 1" Thickness, Add	*10.24*	
		For 3" Instead Of 1" Thickness, Add	*20.48*	
23 51 16 00-0330	EA	10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	186.07	21.20
		For 2" Instead Of 1" Thickness, Add	*13.31*	
		For 3" Instead Of 1" Thickness, Add	*26.62*	
23 51 16 00-0331	EA	12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	220.25	23.10
		For 2" Instead Of 1" Thickness, Add	*16.26*	
		For 3" Instead Of 1" Thickness, Add	*32.51*	
23 51 16 00-0332	EA	14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	255.04	24.21
		For 2" Instead Of 1" Thickness, Add	*19.46*	
		For 3" Instead Of 1" Thickness, Add	*38.91*	
23 51 16 00-0333		**Tees With Tee Caps** *(23 51 16 00-0311)*		
23 51 16 00-0334	EA	6" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	243.69	16.91
		For 2" Instead Of 1" Thickness, Add	*20.14*	
		For 3" Instead Of 1" Thickness, Add	*40.28*	
23 51 16 00-0335	EA	7" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	308.15	18.10
		For 2" Instead Of 1" Thickness, Add	*26.28*	
		For 3" Instead Of 1" Thickness, Add	*52.56*	
23 51 16 00-0336	EA	8" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	345.77	19.53
		For 2" Instead Of 1" Thickness, Add	*29.70*	
		For 3" Instead Of 1" Thickness, Add	*59.39*	
23 51 16 00-0337	EA	10" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	471.01	21.20
		For 2" Instead Of 1" Thickness, Add	*41.81*	
		For 3" Instead Of 1" Thickness, Add	*83.62*	
23 51 16 00-0338	EA	12" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	646.47	23.10
		For 2" Instead Of 1" Thickness, Add	*58.88*	
		For 3" Instead Of 1" Thickness, Add	*117.76*	
23 51 16 00-0339	EA	14" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	828.40	24.21
		For 2" Instead Of 1" Thickness, Add	*76.80*	
		For 3" Instead Of 1" Thickness, Add	*153.59*	
23 51 16 00-0340		**Joist Shields** *(23 51 16 00-0311)*		
23 51 16 00-0341	EA	6" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	103.76	16.91
23 51 16 00-0342	EA	7" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	111.89	18.10
23 51 16 00-0343	EA	8" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	130.74	19.53
23 51 16 00-0344	EA	10" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	163.06	21.20
23 51 16 00-0345	EA	12" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	195.09	23.10
23 51 16 00-0346	EA	14" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	231.11	24.21
23 51 16 00-0347		**Adjustable Roof Flashing** *(23 51 16 00-0311)*		
23 51 16 00-0348	EA	6" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	123.37	16.91
23 51 16 00-0349	EA	7" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	137.48	18.10
23 51 16 00-0350	EA	8" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	149.50	19.53
23 51 16 00-0351	EA	10" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	181.81	21.20
23 51 16 00-0352	EA	12" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	224.15	23.10
23 51 16 00-0353	EA	14" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	268.63	24.13
23 51 16 00-0354		**Vent Top Caps** *(23 51 16 00-0311)*		
23 51 16 00-0355	EA	6" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	110.58	16.91
23 51 16 00-0356	EA	7" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	138.33	18.10
23 51 16 00-0357	EA	8" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	173.40	19.53
23 51 16 00-0358	EA	10" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	276.55	21.20
23 51 16 00-0359	EA	12" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	376.89	23.10
23 51 16 00-0360	EA	14" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	480.30	24.21

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0361		Roof Support Assemblies *(23 51 16 00-0311)*		
23 51 16 00-0362	EA	6" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	164.27	16.91
23 51 16 00-0363	EA	7" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	182.70	18.10
23 51 16 00-0364	EA	8" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	198.13	19.53
23 51 16 00-0365	EA	10" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	249.17	21.20
23 51 16 00-0366	EA	12" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	294.94	23.10
23 51 16 00-0367	EA	14" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	360.83	24.21
23 51 16 00-0368		Polyvinyl Chloride (PVC) Flue/Vent Accessories *(23 51 16)*		
23 51 16 00-0369		Concentric Polyvinyl Chloride (PVC) Vent Termination *(23 51 16 00-0368)*		
23 51 16 00-0370	EA	2" Concentric Polyvinyl Chloride (PVC) Vent Termination	138.31	32.34
23 51 16 00-0371	EA	3" Concentric Polyvinyl Chloride (PVC) Vent Termination	148.84	32.34

23 52 Heating Boilers *(23 50)*

23 52 13 Electric Boilers *(23 52)*

23 52 13 00-0001		Packaged Electric Steam Boiler *(23 52 13)* Note: Includes burners, standard controls and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Rated by KW and MBH output.		
23 52 13 00-0002	EA	12 KW, 42 MBH Electric Steam Boiler With Packaged Standard Controls	10,815.02	449.25
23 52 13 00-0003	EA	24 KW, 84 MBH Electric Steam Boiler With Packaged Standard Controls	11,716.02	524.13
23 52 13 00-0004	EA	36 KW, 126 MBH Electric Steam Boiler With Packaged Standard Controls	12,842.64	561.58
23 52 13 00-0005	EA	48 KW, 168 MBH Electric Steam Boiler With Packaged Standard Controls	14,480.12	599.01
23 52 13 00-0006	EA	60 KW, 210 MBH Electric Steam Boiler With Packaged Standard Controls	16,072.51	636.45
23 52 13 00-0007	EA	80 KW, 280 MBH Electric Steam Boiler With Packaged Standard Controls	18,926.76	711.33
23 52 13 00-0008	EA	100 KW, 350 MBH Electric Steam Boiler With Packaged Standard Controls	21,781.01	786.20
23 52 13 00-0009	EA	120 KW, 420 MBH Electric Steam Boiler With Packaged Standard Controls	22,426.86	823.64
23 52 13 00-0010	EA	140 KW, 490 MBH Electric Steam Boiler With Packaged Standard Controls	23,057.66	861.08
23 52 13 00-0011	EA	160 KW, 560 MBH Electric Steam Boiler With Packaged Standard Controls	31,170.66	935.95
23 52 13 00-0012	EA	180 KW, 630 MBH Electric Steam Boiler With Packaged Standard Controls	32,597.78	973.39
23 52 13 00-0013	EA	200 KW, 700 MBH Electric Steam Boiler With Packaged Standard Controls	34,164.92	1,080.84
23 52 13 00-0014	EA	220 KW, 770 MBH Electric Steam Boiler With Packaged Standard Controls	35,677.29	1,160.90
23 52 13 00-0015	EA	240 KW, 840 MBH Electric Steam Boiler With Packaged Standard Controls	38,662.12	1,240.95
23 52 13 00-0016	EA	260 KW, 910 MBH Electric Steam Boiler With Packaged Standard Controls	41,787.10	1,361.05
23 52 13 00-0017	EA	280 KW, 980 MBH Electric Steam Boiler With Packaged Standard Controls	44,120.91	1,401.08
23 52 13 00-0018	EA	300 KW, 1,050 MBH Electric Steam Boiler With Packaged Standard Controls	46,454.73	1,441.11
23 52 13 00-0019	EA	320 KW, 1,120 MBH Electric Steam Boiler With Packaged Standard Controls	48,037.29	1,481.15
23 52 13 00-0020	EA	360 KW, 1,260 MBH Electric Steam Boiler With Packaged Standard Controls	49,619.86	1,521.18
23 52 13 00-0021	EA	400 KW, 1,400 MBH Electric Steam Boiler With Packaged Standard Controls	53,085.47	1,601.24
23 52 13 00-0022	EA	460 KW, 1,610 MBH Electric Steam Boiler With Packaged Standard Controls	56,551.10	1,681.29
23 52 13 00-0023	EA	500 KW, 1,750 MBH Electric Steam Boiler With Packaged Standard Controls	59,936.66	1,721.33
23 52 13 00-0024	EA	600 KW, 2,100 MBH Electric Steam Boiler With Packaged Standard Controls	67,529.23	1,761.36
23 52 13 00-0025	EA	700 KW, 2,450 MBH Electric Steam Boiler With Packaged Standard Controls	72,647.60	1,841.42
23 52 13 00-0026	EA	756 KW, 2,646 MBH Electric Steam Boiler With Packaged Standard Controls	74,460.47	1,921.48
23 52 13 00-0027	EA	828 KW, 2,898 MBH Electric Steam Boiler With Packaged Standard Controls	83,114.65	2,041.58
23 52 13 00-0028	EA	936 KW, 3,276 MBH Electric Steam Boiler With Packaged Standard Controls	85,458.34	2,161.67
23 52 13 00-0029	EA	1,008 KW, 3,528 MBH Electric Steam Boiler With Packaged Standard Controls	87,802.02	2,281.76
23 52 13 00-0030	EA	1,116 KW, 3,906 MBH Electric Steam Boiler With Packaged Standard Controls	94,352.71	2,401.86
23 52 13 00-0031	EA	1,224 KW, 4,284 MBH Electric Steam Boiler With Packaged Standard Controls	97,217.34	2,481.92
23 52 13 00-0032	EA	1,368 KW, 4,788 MBH Electric Steam Boiler With Packaged Standard Controls	101,143.58	2,642.04
23 52 13 00-0033	EA	1,440 KW, 5,040 MBH Electric Steam Boiler With Packaged Standard Controls	104,769.33	2,802.16
23 52 13 00-0034	EA	1,512 KW, 5,292 MBH Electric Steam Boiler With Packaged Standard Controls	115,607.08	2,962.29
23 52 13 00-0035	EA	1,620 KW, 5,670 MBH Electric Steam Boiler With Packaged Standard Controls	122,237.83	3,122.41
23 52 13 00-0036		Packaged Electric Hot Water Boiler *(23 52 13)* Note: Flush jacketed steel shell. Includes burners, and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.). Rated by KW and MBH output.		
23 52 13 00-0037	EA	9 KW, 31 MBH, Electric Hot Boiler With Packaged Standard Controls	9,087.39	411.81
23 52 13 00-0038	EA	12 KW, 41 MBH, Electric Hot Boiler With Packaged Standard Controls	9,763.27	449.25
23 52 13 00-0039	EA	18 KW, 61 MBH, Electric Hot Boiler With Packaged Standard Controls	10,439.14	486.69
23 52 13 00-0040	EA	24 KW, 82 MBH, Electric Hot Boiler With Packaged Standard Controls	11,009.85	524.13
23 52 13 00-0041	EA	36 KW, 123 MBH, Electric Hot Boiler With Packaged Standard Controls	11,595.56	561.58
23 52 13 00-0042	EA	48 KW, 164 MBH, Electric Hot Boiler With Packaged Standard Controls	12,166.27	599.01
23 52 13 00-0043	EA	60 KW, 205 MBH Electric Hot Boiler With Packaged Standard Controls	12,842.14	636.45
23 52 13 00-0044	EA	72 KW, 246 MBH Electric Hot Boiler With Packaged Standard Controls	13,818.52	673.89
23 52 13 00-0045	EA	84 KW, 287 MBH Electric Hot Boiler With Packaged Standard Controls	14,389.22	711.33
23 52 13 00-0046	EA	90 KW, 307 MBH Electric Hot Boiler With Packaged Standard Controls	14,944.90	748.76
23 52 13 00-0047	EA	105 KW, 358 MBH Electric Hot Boiler With Packaged Standard Controls	15,921.27	786.20
23 52 13 00-0048	EA	120 KW, 409 MBH Electric Hot Boiler With Packaged Standard Controls	16,747.40	823.64
23 52 13 00-0049	EA	135 KW, 461 MBH Electric Hot Boiler With Packaged Standard Controls	18,099.41	861.08
23 52 13 00-0050	EA	150 KW, 512 MBH Electric Hot Boiler With Packaged Standard Controls	18,775.28	898.52
23 52 13 00-0051	EA	165 KW, 563 MBH Electric Hot Boiler With Packaged Standard Controls	19,526.29	935.95
23 52 13 00-0052	EA	180 KW, 614 MBH Electric Hot Boiler With Packaged Standard Controls	21,584.46	973.39
23 52 13 00-0053	EA	195 KW, 665 MBH Electric Hot Boiler With Packaged Standard Controls	23,797.67	1,080.84
23 52 13 00-0054	EA	225 KW, 768 MBH Electric Hot Boiler With Packaged Standard Controls	25,941.09	1,160.90
23 52 13 00-0055	EA	240 KW, 819 MBH Electric Hot Boiler With Packaged Standard Controls	28,099.54	1,240.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 13 00-0056	EA	270 KW, 921 MBH Electric Hot Boiler With Packaged Standard Controls	30,323.02	1,361.05
23 52 13 00-0057	EA	300 KW, 1,024 MBH Electric Hot Boiler With Packaged Standard Controls	32,481.48	1,441.11
23 52 13 00-0058	EA	330 KW, 1,126 MBH Electric Hot Boiler With Packaged Standard Controls	34,219.24	1,521.18
23 52 13 00-0059	EA	360 KW, 1,228 MBH Electric Hot Boiler With Packaged Standard Controls	35,876.91	1,561.21
23 52 13 00-0060	EA	390 KW, 1,331 MBH Electric Hot Boiler With Packaged Standard Controls	38,270.82	1,601.24
23 52 13 00-0061	EA	420 KW, 1,433 MBH Electric Hot Boiler With Packaged Standard Controls	40,624.60	1,681.29
23 52 13 00-0062	EA	450 KW, 1,535 MBH Electric Hot Boiler With Packaged Standard Controls	43,028.60	1,681.29
23 52 13 00-0063	EA	504 KW, 1,720 MBH Electric Hot Boiler With Packaged Standard Controls	47,315.66	1,721.33
23 52 13 00-0064	EA	612 KW, 2,088 MBH Electric Hot Boiler With Packaged Standard Controls	49,724.61	1,761.36
23 52 13 00-0065	EA	684 KW, 2,334 MBH Electric Hot Boiler With Packaged Standard Controls	52,213.60	1,841.42
23 52 13 00-0066	EA	720 KW, 2,457 MBH Electric Hot Boiler With Packaged Standard Controls	54,622.53	1,881.45
23 52 13 00-0067	EA	750 KW, 2,559 MBH Electric Hot Boiler With Packaged Standard Controls	57,031.47	1,921.48
23 52 13 00-0068	EA	810 KW, 2,764 MBH Electric Hot Boiler With Packaged Standard Controls	58,774.15	2,041.58
23 52 13 00-0069	EA	900 KW, 3,071 MBH Electric Hot Boiler With Packaged Standard Controls	62,019.34	2,161.67
23 52 13 00-0070	EA	1,020 KW, 3,480 MBH Electric Hot Boiler With Packaged Standard Controls	73,378.02	2,281.76
23 52 13 00-0071	EA	1,110 KW, 3,787 MBH Electric Hot Boiler With Packaged Standard Controls	80,830.21	2,401.86
23 52 13 00-0072	EA	1,200 KW, 4,094 MBH Electric Hot Boiler With Packaged Standard Controls	84,596.34	2,481.92
23 52 13 00-0073	EA	1350 KW, 4,606 MBH Electric Hot Boiler With Packaged Standard Controls	88,672.83	2,642.04
23 52 13 00-0074	EA	1,440 KW, 4,913 MBH Electric Hot Boiler With Packaged Standard Controls	92,749.33	2,802.16
23 52 13 00-0075	EA	1,560 KW, 5,323 MBH Electric Hot Boiler With Packaged Standard Controls	103,887.58	2,962.29
23 52 13 00-0076	EA	1,680 KW, 5,732 MBH Electric Hot Boiler With Packaged Standard Controls	110,818.83	3,122.41
23 52 13 00-0077	EA	1,740 KW, 5,937 MBH Electric Hot Boiler With Packaged Standard Controls	113,833.69	3,202.47
23 52 13 00-0078	EA	1,800 KW, 6,142 MBH Electric Hot Boiler With Packaged Standard Controls	116,848.57	3,282.53
23 52 13 00-0079	EA	1,980 KW, 6,756 MBH Electric Hot Boiler With Packaged Standard Controls	117,088.76	3,402.63
23 52 13 00-0080	EA	2,100 KW, 7,165 MBH Electric Hot Boiler With Packaged Standard Controls	133,776.38	3,482.69
23 52 13 00-0081	EA	2,220 KW, 7,575 MBH Electric Hot Boiler With Packaged Standard Controls	143,031.57	3,602.78
23 52 13 00-0082	EA	2,600 KW, 8,871 MBH Electric Hot Boiler With Packaged Standard Controls	160,940.94	3,842.97
23 52 13 00-0083	EA	2,960 KW, 10,100 MBH Electric Hot Boiler With Packaged Standard Controls	173,761.52	4,243.28
23 52 13 00-0084	EA	3,240 KW, 11,055 MBH Electric Hot Boiler With Packaged Standard Controls	192,752.30	4,723.65
23 52 13 00-0085	EA	3,360 KW, 11,464 MBH Electric Hot Boiler With Packaged Standard Controls	201,225.54	5,204.02

23 52 16 Condensing Boilers *(23 52)*

23 52 16 13 Stainless-Steel Condensing Boilers *(23 52 16)*

23 52 16 13-0001 Hamilton Evo Series Stainless Steel Condensing Boilers *(23 52 16 13)*

Note: Includes circulating pump, mounting rack, disconnect panel, plumbing and gas manifold, manual reset high limit and LWCO (Cal Code).

23 52 16 13-0002	EA	75 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW79)	9,746.47	299.50
23 52 16 13-0003	EA	127 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW129)	9,133.91	395.35
23 52 16 13-0004	EA	168 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW179)	9,739.69	444.76
23 52 16 13-0005	EA	187 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW199.1)	10,399.58	494.18
23 52 16 13-0006	EA	281 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW299)	13,481.40	494.18
23 52 16 13-0007	EA	374 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW399)	15,779.51	599.01
23 52 16 13-0008	EA	589 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW599)	21,172.01	642.43
23 52 16 13-0009	EA	785 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW798) Note: Includes vent manifold.	29,647.69	790.69
23 52 16 13-0010	EA	980 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW998) Note: Includes vent manifold.	36,261.22	864.82
23 52 16 13-0011	EA	1,425 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1499)	52,363.62	1,013.08
23 52 16 13-0012	EA	1,900 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1999)	57,706.21	1,087.20

23 52 16 13-0013 Buderus SB615 Stainless Steel Condensing Boilers *(23 52 16 13)*

Note: Includes Riello burners. Capacity given is IBR rating.

23 52 16 13-0014	EA	484 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/145)	26,758.61	642.43
23 52 16 13-0015	EA	612 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/185)	27,910.57	642.43
23 52 16 13-0016	EA	791 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/240)	31,258.90	790.69
23 52 16 13-0017	EA	1,022 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/310)	33,862.32	889.53
23 52 16 13-0018	EA	1,317 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/400)	37,595.94	938.94
23 52 16 13-0019	EA	1,459 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/510)	43,068.36	1,013.08
23 52 16 13-0020	EA	2,104 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/640)	51,484.67	1,087.20

23 52 16 13-0021 Buderus SB735 Stainless Steel Condensing Boilers *(23 52 16 13)*

Note: Includes Riello burners.

23 52 16 13-0022	EA	2,650 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/790)	54,346.20	1,186.04
23 52 16 13-0023	EA	3,251 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/970)	62,954.64	1,235.45
23 52 16 13-0024	EA	4,079 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/1200)	72,974.44	1,309.59

23 52 16 13-0025 Lochinvar Knight Stainless Steel Condensing Boilers *(23 52 16 13)*

23 52 16 13-0026	EA	165 MBH 95.7% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KBN211)	6,225.88	444.76
23 52 16 13-0027	EA	226 MBH 96% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KBN286)	8,090.52	494.18

23 52 16 13-0028 Lochinvar Knight XL Stainless Steel Condensing Boilers *(23 52 16 13)*

23 52 16 13-0029	EA	324 MBH 93.3% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN400)	10,660.83	593.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 13-0030	EA	406 MBH 93.3% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN501)	13,143.01	599.01
23 52 16 13-0031	EA	493 MBH 94.6% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN601)	15,413.42	642.43
23 52 16 13-0032	EA	574 MBH 94.3% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN701)	17,626.63	642.43
23 52 16 13-0033	EA	654 MBH 94% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN801)	20,281.43	716.57
23 52 16 13-0034		Lochinvar SYNC Stainless Steel Condensing Boilers *(23 52 16 13)*		
23 52 16 13-0035	EA	941 MBH 94.1% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar SYNC SBN1000)	27,725.75	864.82
23 52 16 13-0036	EA	1,240 MBH 95.4% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar SYNC SBN1300)	31,552.70	938.94
23 52 16 13-0037	EA	1,443 MBH 96.2% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar SYNC SBN1500)	33,889.10	1,013.08
23 52 16 13-0038		Lochinvar Crest Stainless Steel Condensing Boilers *(23 52 16 13)*		
23 52 16 13-0039	EA	1,380 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1500)	33,574.14	938.94
23 52 16 13-0040	EA	1,840 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2000)	40,167.49	1,037.78
23 52 16 13-0041	EA	2,300 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2500)	52,314.26	1,136.61
23 52 16 13-0042	EA	2,760 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3000)	57,647.21	1,196.52
23 52 16 13-0043	EA	3,220 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3500)	68,383.79	1,196.52
23 52 16 13-0044		Laars Neotherm Stainless Steel Condensing Boiler *(23 52 16 13)* Note: Compliant with SCAQMD.		
23 52 16 13-0045	EA	80 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH080)	5,825.73	296.51
23 52 16 13-0046	EA	105 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH105)	6,585.26	321.22
23 52 16 13-0047	EA	150 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH150)	7,541.23	444.76
23 52 16 13-0048	EA	210 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH210)	8,398.78	494.18
23 52 16 13-0049	EA	285 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH285)	10,637.84	494.18
23 52 16 13-0050	EA	399 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH399)	13,408.85	593.02
23 52 16 13-0051	EA	500 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH500)	17,251.12	642.43
23 52 16 13-0052	EA	600 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH600)	18,384.85	642.43
23 52 16 13-0053	EA	750 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH750)	20,025.27	741.27
23 52 16 13-0054	EA	850 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH850)	21,630.98	840.11
23 52 16 13-0055	EA	1,000 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1000)	31,098.80	889.53
23 52 16 13-0056	EA	1,700 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1700)	41,367.78	1,037.78
23 52 16 13-0057	EA	150 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV150)	8,087.06	444.76
23 52 16 13-0058	EA	199 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV199)	9,536.71	494.18
23 52 16 13-0059	EA	285 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV285)	12,122.85	494.18
23 52 16 13-0060	EA	399 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV399)	14,781.32	593.02
23 52 16 13-0061	EA	500 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV500)	18,468.99	642.43
23 52 16 13-0062	EA	600 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV600)	19,100.01	642.43
23 52 16 13-0063	EA	750 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV750)	21,103.26	741.27
23 52 16 13-0064	EA	800 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV800)	22,644.41	790.69
23 52 16 13-0065	EA	1,000 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV1000)	31,098.80	889.53
23 52 16 13-0066	EA	1,700 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV1700)	41,367.78	1,037.78
23 52 16 13-0067		AERCO Benchmark Stainless-Steel Condensing Boilers *(23 52 16 13)*		
23 52 16 13-0068	EA	1,500 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK1.5LN) Note: Includes gas PRV and pump delay relay.	30,772.49	1,013.08
23 52 16 13-0069	EA	2,000 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK2.0LN) Note: Includes gas PRV and pump delay relay.	36,490.97	1,087.20
23 52 16 13-0070	EA	3,000 MBH Water, 220 Volt, 1 Phase, 230 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000) Note: Includes gas PRV and pump delay relay.	52,313.04	1,196.52
23 52 16 13-0071	EA	3,000 MBH Water, 480 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000) Note: Includes gas PRV and pump delay relay.	55,725.15	1,196.52
23 52 16 16		**Aluminum Condensing Boilers** *(23 52 16)*		
23 52 16 16-0001		Weil McLain Aluminum Condensing Boilers *(23 52 16 16)*		
23 52 16 16-0002	EA	80 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	4,691.72	299.50
23 52 16 16-0003	EA	105 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	5,111.95	321.22
23 52 16 16-0004	EA	155 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	5,946.81	444.76
23 52 16 16-0005	EA	230 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	6,672.16	494.18
23 52 16 16-0006	EA	310 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	8,548.72	593.02
23 52 16 16-0007		Patterson Kelly Mach Series Aluminum Condensing Boilers *(23 52 16 16)*		
23 52 16 16-0008	EA	300 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C300)	13,517.40	494.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 16-0009	EA	450 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C450)	15,377.63	599.01
23 52 16 16-0010	EA	750 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C750)	17,408.64	748.76
23 52 16 16-0011	EA	900 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C900)	25,824.11	840.11
23 52 16 16-0012	EA	1,050 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C1050)	26,975.09	889.53
23 52 16 16-0013	EA	1,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C1500)	41,897.63	1,013.08
23 52 16 16-0014	EA	2,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C2000)	45,370.96	1,087.20
23 52 16 16-0015	EA	2,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C2500)	52,531.75	1,186.04
23 52 16 16-0016	EA	3,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C3000)	64,997.55	1,186.04
23 52 16 16-0017	EA	4,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C4000)	79,534.14	1,309.59
23 52 16 16-0018		**Buderus GB142 Wall Hung Aluminum Condensing Boilers** *(23 52 16 16)* Note: Includes standard controls.		
23 52 16 16-0019	EA	75 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/24) Note: Includes an aluminum heat exchanger and three speed circulating pump.	5,713.69	299.50
23 52 16 16-0020	EA	95 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/30) Note: Includes an aluminum heat exchanger and three speed circulating pump.	6,559.09	321.22
23 52 16 16-0021	EA	143 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/45) Note: Includes an aluminum heat exchanger and three speed circulating pump.	7,551.69	395.35
23 52 16 16-0022	EA	193 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/60) Note: Includes an aluminum heat exchanger and three speed circulating pump.	8,413.09	494.18
23 52 16 16-0023	EA	Optional Vertical Or Horizontal 3" Concentric Termination Kit For GB142 (Buderus 60L46)	255.99	74.88
23 52 16 16-0024	EA	Optional Stainless Steel Concentric Hood For GB142 (Buderus SJT3)	344.30	74.88
23 52 16 16-0025	EA	Optional GB Floor Stand For GB142 (Buderus 7098265)	769.25	74.88
23 52 16 16-0026		**Buderus GB162 Wall Hung Aluminum Condensing Boilers** *(23 52 16 16)* Note: Includes standard controls.		
23 52 16 16-0027	EA	290 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/80) Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.	7,709.34	494.18
23 52 16 16-0028	EA	333 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/100) Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.	9,644.11	593.02
23 52 16 16-0029	EA	580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/80-TL2) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	18,978.14	704.21
23 52 16 16-0030	EA	580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/80-TR2) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	17,732.83	704.21
23 52 16 16-0031	EA	666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/100-TL2) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	22,585.59	716.57
23 52 16 16-0032	EA	666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/100-TR2) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	21,340.29	716.57
23 52 16 16-0033	EA	870 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/80-TL3) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	26,256.97	840.11
23 52 16 16-0034	EA	999 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/100-TL3) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	31,761.76	889.53
23 52 16 16-0035	EA	1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/80-TL4) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	32,641.27	938.94
23 52 16 16-0036	EA	1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/80-TR4) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	33,140.02	938.94
23 52 16 16-0037	EA	1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/100-TL4) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	39,781.30	938.94
23 52 16 16-0038	EA	1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/100-TR4) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	40,280.05	938.94
23 52 16 16-0039	EA	EMS Control Module For Condensing Boiler (Buderus RC35)	530.58	74.88

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 16-0040		Buderus GB312 Aluminum Condensing Boilers *(23 52 16 16)* Note: Includes standard controls.		
23 52 16 16-0041	EA	305 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/90) Note: Includes an aluminum heat exchanger.	15,295.38	494.18
23 52 16 16-0042	EA	409 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/120) Note: Includes an aluminum heat exchanger.	16,990.04	599.01
23 52 16 16-0043	EA	544 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/160) Note: Includes an aluminum heat exchanger.	20,147.67	642.43
23 52 16 16-0044	EA	676 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/200) Note: Includes an aluminum heat exchanger.	23,239.39	716.57
23 52 16 16-0045	EA	810 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/240) Note: Includes an aluminum heat exchanger.	27,867.03	790.69
23 52 16 16-0046	EA	944 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/280) Note: Includes an aluminum heat exchanger.	30,779.56	864.82
23 52 16 16-0047	EA	Optional CSD-1 Kit Consisting Of High And Low Gas Pressure Switches For GB312 (Buderus 7747019985)	458.86	37.44
23 52 16 16-0048	EA	Optional L4006E1125 Manual Reset Aquastat For GB312 (Buderus L4006E1125)	215.67	37.44
23 52 16 16-0049	EA	Optional Hydrolevel 550 low Water Cut-Off For GB312 (Buderus 550)	314.23	37.44
23 52 16 16-0050	EA	Optional Condensate Neutralization Tank For GB312 (Buderus 63035899)	680.30	37.44
23 52 16 19		**Copper Water-Tube Condensing Boilers** *(23 52 16)*		
23 52 16 19-0001		Laars Rheos+ Copper Fin Tube Condensing Boilers *(23 52 16 19)*		
23 52 16 19-0002	EA	1,200 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	31,540.15	938.94
23 52 16 19-0003	EA	1,600 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	35,564.11	1,037.78
23 52 16 19-0004	EA	2,000 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	38,921.56	1,087.20
23 52 16 19-0005	EA	2,400 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	42,154.92	1,186.04
23 52 16 23		**Cast Iron Condensing Boilers** *(23 52 16)*		
23 52 16 23-0001		Hydrotherm KN Cast Iron Condensing Boilers *(23 52 16 23)*		
23 52 16 23-0002	EA	199 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-2)	10,705.15	494.18
23 52 16 23-0003	EA	399 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-4)	15,554.32	599.01
23 52 16 23-0004	EA	600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-6)	25,403.90	642.43
23 52 16 23-0005	EA	1,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-10)	33,540.85	889.53
23 52 16 23-0006	EA	1,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-16)	44,702.73	1,037.78
23 52 16 23-0007	EA	1,999 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-20)	48,759.54	1,087.20
23 52 16 23-0008	EA	2,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-26)	62,044.38	1,186.04
23 52 16 23-0009	EA	3,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-30)	67,736.18	1,186.04
23 52 23		**Cast-Iron Boilers** *(23 52)*		
23 52 23 00-0001		Weil-McLain Model 80 Cast Iron Boiler *(23 52 23)* Note: Capacities are the steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0002		Gas Fired Weil-McLain Model 80 Cast Iron Boiler *(23 52 23 00-0001)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0003	EA	208 MBH Steam, 242 MBH Water Gas Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	13,080.64	2,592.50
23 52 23 00-0004	EA	297 MBH Steam, 344 MBH Water Gas Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	14,286.17	2,765.35
23 52 23 00-0005	EA	386 MBH Steam, 448 MBH Water Gas Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	15,604.25	2,938.18
23 52 23 00-0006	EA	476 MBH Steam, 551 MBH Water Gas Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	16,831.03	3,111.01
23 52 23 00-0007	EA	565 MBH Steam, 655 MBH Water Gas Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	17,965.15	3,283.84
23 52 23 00-0008	EA	654 MBH Steam, 758 MBH Water Gas Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	19,512.13	3,456.68
23 52 23 00-0009	EA	743 MBH Steam, 862 MBH Water Gas Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	20,711.14	3,629.51
23 52 23 00-0010	EA	833 MBH Steam, 965 MBH Water Gas Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	21,666.10	3,802.35
23 52 23 00-0011	EA	922 MBH Steam, 1069 MBH Water Gas Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	22,617.60	3,975.18
23 52 23 00-0012	EA	1,018 MBH Steam, 1172 MBH Water Gas Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	23,714.01	4,148.02
23 52 23 00-0013		Gas Fired Package Weil-McLain Model 80 Cast Iron Boiler *(23 52 23 00-0001)*		
23 52 23 00-0014	EA	208 MBH Steam, 242 MBH Water Gas Fired Package Cast Iron Boiler Note: Weil-McLain Model 80. Fire tested factory assembled package unit.	8,998.49	320.24
23 52 23 00-0015	EA	297 MBH Steam, 344 MBH Water Gas Fired Package Cast Iron Boiler Note: Weil-McLain Model 80. Fire tested factory assembled package unit.	10,013.84	320.24
23 52 23 00-0016	EA	386 MBH Steam, 448 MBH Water Gas Fired Package Cast Iron Boiler Note: Weil-McLain Model 80. Fire tested factory assembled package unit.	11,463.89	400.31
23 52 23 00-0017	EA	476 MBH Steam, 551 MBH Water Gas Fired Package Cast Iron Boiler Note: Weil-McLain Model 80. Fire tested factory assembled package unit.	12,499.19	400.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0018	EA	565 MBH Steam, 655 MBH Water Gas Fired Package Cast Iron Boiler Note: Weil-McLain Model 80. Fire tested factory assembled package unit.	13,765.48	480.37
23 52 23 00-0019	EA	654 MBH Steam, 758 MBH Water Gas Fired Package Cast Iron Boiler Note: Weil-McLain Model 80. Fire tested factory assembled package unit.	15,134.68	480.37
23 52 23 00-0020	EA	743 MBH Steam, 862 MBH Water Gas Fired Package Cast Iron Boiler Note: Weil-McLain Model 80. Fire tested factory assembled package unit.	16,463.98	560.43
23 52 23 00-0021	EA	833 MBH Steam, 965 MBH Water Gas Fired Package Cast Iron Boiler Note: Weil-McLain Model 80. Fire tested factory assembled package unit.	17,549.68	640.50
23 52 23 00-0022	EA	922 MBH Steam, 1069 MBH Water Gas Fired Package Cast Iron Boiler Note: Weil-McLain Model 80. Fire tested factory assembled package unit.	18,313.03	640.50
23 52 23 00-0023	EA	1,018 MBH Steam, 1172 MBH Water Gas Fired Package Cast Iron Boiler Note: Weil-McLain Model 80. Fire tested factory assembled package unit.	19,538.38	720.55
23 52 23 00-0024		Gas/Oil Fired Weil-McLain Model 80 Cast Iron Boiler *(23 52 23 00-0001)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0025	EA	208 MBH Steam, 242 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	13,673.89	2,592.50
23 52 23 00-0026	EA	297 MBH Steam, 344 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	14,985.47	2,765.35
23 52 23 00-0027	EA	386 MBH Steam, 448 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	16,239.50	2,938.18
23 52 23 00-0028	EA	476 MBH Steam, 551 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	17,638.48	3,111.01
23 52 23 00-0029	EA	565 MBH Steam, 655 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	18,794.65	3,283.84
23 52 23 00-0030	EA	654 MBH Steam, 758 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	20,476.03	3,456.68
23 52 23 00-0031	EA	743 MBH Steam, 862 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	21,538.54	3,629.51
23 52 23 00-0032	EA	833 MBH Steam, 965 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	22,572.25	3,802.35
23 52 23 00-0033	EA	922 MBH Steam, 1069 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	23,524.80	3,975.18
23 52 23 00-0034	EA	1,018 MBH Steam, 1172 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	24,649.56	4,148.02
23 52 23 00-0035		Gas/Oil Fired Package Weil-McLain Model 80 Cast Iron Boiler *(23 52 23 00-0001)*		
23 52 23 00-0036	EA	208 MBH Steam, 242 MBH Water Gas/Oil Fired Package CI Boiler Note: Weil-McLain Model 80. Fire tested factory assembled package cast iron unit.	9,591.74	320.24
23 52 23 00-0037	EA	297 MBH Steam, 344 MBH Water Gas/Oil Fired Package CI Boiler Note: Weil-McLain Model 80. Fire tested factory assembled package cast iron unit.	10,713.14	320.24
23 52 23 00-0038	EA	386 MBH Steam, 448 MBH Water Gas/Oil Fired Package CI Boiler Note: Weil-McLain Model 80. Fire tested factory assembled package cast iron unit.	12,099.14	400.31
23 52 23 00-0039	EA	476 MBH Steam, 551 MBH Water Gas/Oil Fired Package CI Boiler Note: Weil-McLain Model 80. Fire tested factory assembled package cast iron unit.	13,306.64	400.31
23 52 23 00-0040	EA	565 MBH Steam, 655 MBH Water Gas/Oil Fired Package CI Boiler Note: Weil-McLain Model 80. Fire tested factory assembled package cast iron unit.	14,594.98	480.37
23 52 23 00-0041	EA	654 MBH Steam, 758 MBH Water Gas/Oil Fired Package CI Boiler Note: Weil-McLain Model 80. Fire tested factory assembled package cast iron unit.	16,098.58	480.37
23 52 23 00-0042	EA	743 MBH Steam, 862 MBH Water Gas/Oil Fired Package CI Boiler Note: Weil-McLain Model 80. Fire tested factory assembled package cast iron unit.	17,291.38	560.43
23 52 23 00-0043	EA	833 MBH Steam, 965 MBH Water Gas/Oil Fired Package CI Boiler Note: Weil-McLain Model 80. Fire tested factory assembled package cast iron unit.	18,455.83	640.50
23 52 23 00-0044	EA	922 MBH Steam, 1069 MBH Water Gas/Oil Fired Package CI Boiler Note: Weil-McLain Model 80. Fire tested factory assembled package cast iron unit.	19,220.23	640.50
23 52 23 00-0045	EA	1,018 MBH Steam, 1172 MBH Water Gas/Oil Fired Package CI Boiler Note: Weil-McLain Model 80. Fire tested factory assembled package cast iron unit.	20,473.93	720.55
23 52 23 00-0046		Weil-McLain Model 88 Cast Iron Boiler *(23 52 23)* Note: Capacities are the steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0047		Gas Fired Weil-McLain Model 88 Cast Iron Boiler *(23 52 23 00-0046)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0048	EA	608 MBH Steam, 704 MBH Water Gas Fired Cast Iron Boiler Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	21,181.37	3,888.77
23 52 23 00-0049	EA	813 MBH Steam, 943 MBH Water Gas Fired Cast Iron Boiler Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	23,367.12	4,126.41
23 52 23 00-0050	EA	1,028 MBH Steam, 1,161 MBH Water Gas Fired Cast Iron Boiler Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	26,067.45	4,364.06
23 52 23 00-0051	EA	1,254 MBH Steam, 1,419 MBH Water Gas Fired Cast Iron Boiler Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	28,449.25	4,601.71
23 52 23 00-0052	EA	1,477 MBH Steam, 1,656 MBH Water Gas Fired Cast Iron Boiler Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	30,523.02	4,839.34
23 52 23 00-0053	EA	1,688 MBH Steam, 1,892 MBH Water Gas Fired Cast Iron Boiler Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	33,518.55	5,076.99
23 52 23 00-0054	EA	1,904 MBH Steam, 2,132 MBH Water Gas Fired Cast Iron Boiler Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	35,611.60	5,314.64
23 52 23 00-0055	EA	2,116 MBH Steam, 2,369 MBH Water Gas Fired Cast Iron Boiler Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	37,465.82	5,552.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0056	EA	2,329 MBH Steam, 2,609 MBH Water Gas Fired Cast Iron Boiler Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	39,933.94	5,789.93
23 52 23 00-0057	EA	2,539 MBH Steam, 2,843 MBH Water Gas Fired Cast Iron Boiler Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	41,923.37	6,027.58
23 52 23 00-0058	EA	2,756 MBH Steam, 3,087 MBH Water Gas Fired Cast Iron Boiler Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	45,231.60	6,265.23
23 52 23 00-0059	EA	2,966 MBH Steam, 3,322 MBH Water Gas Fired Cast Iron Boiler Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	47,125.59	6,502.88
23 52 23 00-0060	EA	3,175 MBH Steam, 3,557 MBH Water Gas Fired Cast Iron Boiler Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	49,133.12	6,740.52
23 52 23 00-0061	EA	3,383 MBH Steam, 3,800 MBH Water Gas Fired Cast Iron Boiler Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	51,367.57	6,978.17
23 52 23 00-0062	EA	3,602 MBH Steam, 4,035 MBH Water Gas Fired Cast Iron Boiler Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	53,189.59	7,215.82
23 52 23 00-0063		Gas Fired Package Weil-McLain Model 88 Cast Iron Boiler *(23 52 23 00-0046)*		
23 52 23 00-0064	EA	608 MBH Steam, 704 MBH Water Gas Fired Package Cast Iron Boiler Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	16,478.68	560.43
23 52 23 00-0065	EA	813 MBH Steam, 943 MBH Water Gas Fired Package Cast Iron Boiler Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	18,688.93	640.50
23 52 23 00-0066	EA	1,028 MBH Steam, 1,161 MBH Water Gas Fired Package Cast Iron Boiler Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	21,426.28	720.55
23 52 23 00-0067	EA	1,254 MBH Steam, 1,419 MBH Water Gas Fired Package Cast Iron Boiler Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	23,822.37	800.62
23 52 23 00-0068	EA	1,477 MBH Steam, 1,656 MBH Water Gas Fired Package Cast Iron Boiler Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	25,598.97	800.62
23 52 23 00-0069	EA	1,688 MBH Steam, 1,892 MBH Water Gas Fired Package Cast Iron Boiler Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	28,621.91	880.68
23 52 23 00-0070	EA	1,904 MBH Steam, 2,132 MBH Water Gas Fired Package Cast Iron Boiler Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	30,420.56	880.68
23 52 23 00-0071	EA	2,116 MBH Steam, 2,369 MBH Water Gas Fired Package Cast Iron Boiler Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	32,299.02	960.74
23 52 23 00-0072	EA	2,329 MBH Steam, 2,609 MBH Water Gas Fired Package Cast Iron Boiler Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	34,473.57	960.74
23 52 23 00-0073	EA	2,539 MBH Steam, 2,843 MBH Water Gas Fired Package Cast Iron Boiler Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	36,487.48	1,040.81
23 52 23 00-0074	EA	2,756 MBH Steam, 3,087 MBH Water Gas Fired Package Cast Iron Boiler Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	38,437.33	1,120.87
23 52 23 00-0075	EA	2,966 MBH Steam, 3,322 MBH Water Gas Fired Package Cast Iron Boiler Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	40,037.53	1,120.87
23 52 23 00-0076	EA	3,175 MBH Steam, 3,557 MBH Water Gas Fired Package Cast Iron Boiler Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	42,070.31	1,200.92
23 52 23 00-0077	EA	3,383 MBH Steam, 3,800 MBH Water Gas Fired Package Cast Iron Boiler Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	44,009.66	1,200.92
23 52 23 00-0078	EA	3,602 MBH Steam, 4,035 MBH Water Gas Fired Package Cast Iron Boiler Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	45,878.62	1,280.99
23 52 23 00-0079		Gas/Oil Fired Weil-McLain Model 88 Cast Iron Boiler *(23 52 23 00-0046)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0080	EA	608 MBH Steam, 704 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	21,912.17	3,888.77
23 52 23 00-0081	EA	813 MBH Steam, 943 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	24,093.72	4,126.41
23 52 23 00-0082	EA	1,028 MBH Steam, 1,161 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	26,983.05	4,364.06
23 52 23 00-0083	EA	1,254 MBH Steam, 1,419 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	29,457.25	4,601.71
23 52 23 00-0084	EA	1,477 MBH Steam, 1,656 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	31,428.12	4,839.34
23 52 23 00-0085	EA	1,688 MBH Steam, 1,892 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	34,366.95	5,076.99
23 52 23 00-0086	EA	1,904 MBH Steam, 2,132 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	36,885.25	5,314.64
23 52 23 00-0087	EA	2,116 MBH Steam, 2,369 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	38,739.47	5,552.29
23 52 23 00-0088	EA	2,329 MBH Steam, 2,609 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	41,182.39	5,789.93
23 52 23 00-0089	EA	2,539 MBH Steam, 2,843 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	43,708.37	6,027.58
23 52 23 00-0090	EA	2,756 MBH Steam, 3,087 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	47,106.90	6,265.23
23 52 23 00-0091	EA	2,966 MBH Steam, 3,322 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	49,631.94	6,502.88
23 52 23 00-0092	EA	3,175 MBH Steam, 3,557 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	51,007.37	6,740.52
23 52 23 00-0093	EA	3,383 MBH Steam, 3,800 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	53,185.12	6,978.17
23 52 23 00-0094	EA	3,602 MBH Steam, 4,035 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	55,027.09	7,215.82
23 52 23 00-0095		Gas/Oil Fired Package Weil-McLain Model 88 Cast Iron Boiler *(23 52 23 00-0046)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0096	EA	608 MBH Steam, 704 MBH Water Gas/Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	17,209.48	560.43
23 52 23 00-0097	EA	813 MBH Steam, 943 MBH Water Gas/Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	19,415.53	640.50
23 52 23 00-0098	EA	1,028 MBH Steam, 1,161 MBH Water Gas/Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	22,331.38	720.55
23 52 23 00-0099	EA	1,254 MBH Steam, 1,419 MBH Water Gas/Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	24,830.37	800.62
23 52 23 00-0100	EA	1,477 MBH Steam, 1,656 MBH Water Gas/Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	26,506.17	800.62
23 52 23 00-0101	EA	1,688 MBH Steam, 1,892 MBH Water Gas/Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	29,470.31	880.68
23 52 23 00-0102	EA	1,904 MBH Steam, 2,132 MBH Water Gas/Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	31,694.21	880.68
23 52 23 00-0103	EA	2,116 MBH Steam, 2,369 MBH Water Gas/Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	33,572.67	960.74
23 52 23 00-0104	EA	2,329 MBH Steam, 2,609 MBH Water Gas/Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	35,722.02	960.74
23 52 23 00-0105	EA	2,539 MBH Steam, 2,843 MBH Water Gas/Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	38,277.73	1,040.81
23 52 23 00-0106	EA	2,756 MBH Steam, 3,087 MBH Water Gas/Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	40,312.63	1,120.87
23 52 23 00-0107	EA	2,966 MBH Steam, 3,322 MBH Water Gas/Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	41,493.88	1,120.87
23 52 23 00-0108	EA	3,175 MBH Steam, 3,557 MBH Water Gas/Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	43,944.56	1,200.92
23 52 23 00-0109	EA	3,383 MBH Steam, 3,800 MBH Water Gas/Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	45,827.21	1,200.92
23 52 23 00-0110	EA	3,602 MBH Steam, 4,035 MBH Water Gas/Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	47,695.12	1,280.99
23 52 23 00-0111		Weil-McLain Model 94 Cast Iron Boiler *(23 52 23)* Note: Capacities are the steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0112		Gas Fired Weil-McLain Model 94 Cast Iron Boiler *(23 52 23 00-0111)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0113	EA	1,575 MBH Steam, 1,763 MBH Water Gas Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	57,412.85	7,561.48
23 52 23 00-0114	EA	1,801 MBH Steam, 2,017 MBH Water Gas Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	62,226.25	7,993.56
23 52 23 00-0115	EA	2,028 MBH Steam, 2,271 MBH Water Gas Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	66,624.48	8,425.66
23 52 23 00-0116	EA	2,255 MBH Steam, 2,525 MBH Water Gas Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	70,931.34	8,857.74
23 52 23 00-0117	EA	2,477 MBH Steam, 2,774 MBH Water Gas Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	75,278.16	9,289.83
23 52 23 00-0118	EA	2,702 MBH Steam, 3,026 MBH Water Gas Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	80,868.06	9,721.91
23 52 23 00-0119	EA	2,927 MBH Steam, 3,278 MBH Water Gas Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	84,965.18	10,153.99
23 52 23 00-0120	EA	3,160 MBH Steam, 3,539 MBH Water Gas Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	88,930.42	10,586.08
23 52 23 00-0121	EA	3,385 MBH Steam, 3,791 MBH Water Gas Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	95,368.28	11,018.16
23 52 23 00-0122	EA	3,610 MBH Steam, 4,043 MBH Water Gas Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	99,331.25	11,450.25
23 52 23 00-0123	EA	3,835 MBH Steam, 4,296 MBH Water Gas Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	102,734.41	11,882.33
23 52 23 00-0124	EA	4,061 MBH Steam, 4,548 MBH Water Gas Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	108,948.76	12,314.41
23 52 23 00-0125	EA	4,286 MBH Steam, 4,800 MBH Water Gas Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	112,944.41	12,746.50
23 52 23 00-0126	EA	4,511 MBH Steam, 5,052 MBH Water Gas Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	119,301.20	13,178.58
23 52 23 00-0127	EA	4,736 MBH Steam, 5,304 MBH Water Gas Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	123,506.05	13,610.68
23 52 23 00-0128	EA	4,961 MBH Steam, 5,557 MBH Water Gas Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	128,104.71	14,042.76
23 52 23 00-0129	EA	5,186 MBH Steam, 5,809 MBH Water Gas Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	132,058.10	14,474.84
23 52 23 00-0130	EA	5,411 MBH Steam, 6,061 MBH Water Gas Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	136,124.39	14,906.93
23 52 23 00-0131		Gas Fired Package Weil-McLain Model 94 Cast Iron Boiler *(23 52 23 00-0111)*		
23 52 23 00-0132	EA	1,575 MBH Steam, 1,763 MBH Water Gas Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	50,693.98	1,040.81
23 52 23 00-0133	EA	1,801 MBH Steam, 2,017 MBH Water Gas Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	55,295.08	1,120.87
23 52 23 00-0134	EA	2,028 MBH Steam, 2,271 MBH Water Gas Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	59,478.26	1,200.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0135	EA	2,255 MBH Steam, 2,525 MBH Water Gas Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	63,573.22	1,280.99
23 52 23 00-0136	EA	2,477 MBH Steam, 2,774 MBH Water Gas Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	67,384.72	1,280.99
23 52 23 00-0137	EA	2,702 MBH Steam, 3,026 MBH Water Gas Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	71,381.10	1,361.05
23 52 23 00-0138	EA	2,927 MBH Steam, 3,278 MBH Water Gas Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	74,943.75	1,361.05
23 52 23 00-0139	EA	3,160 MBH Steam, 3,539 MBH Water Gas Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	78,695.35	1,441.11
23 52 23 00-0140	EA	3,385 MBH Steam, 3,791 MBH Water Gas Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	84,599.50	1,441.11
23 52 23 00-0141	EA	3,610 MBH Steam, 4,043 MBH Water Gas Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	88,350.05	1,521.18
23 52 23 00-0142	EA	3,835 MBH Steam, 4,296 MBH Water Gas Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	91,218.65	1,521.18
23 52 23 00-0143	EA	4,061 MBH Steam, 4,548 MBH Water Gas Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	97,221.54	1,601.24
23 52 23 00-0144	EA	4,286 MBH Steam, 4,800 MBH Water Gas Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	100,682.34	1,601.24
23 52 23 00-0145	EA	4,511 MBH Steam, 5,052 MBH Water Gas Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	106,844.85	1,681.29
23 52 23 00-0146	EA	4,736 MBH Steam, 5,304 MBH Water Gas Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	110,495.70	1,681.29
23 52 23 00-0147	EA	4,961 MBH Steam, 5,557 MBH Water Gas Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	114,879.45	1,761.36
23 52 23 00-0148	EA	5,186 MBH Steam, 5,809 MBH Water Gas Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	118,299.30	1,761.36
23 52 23 00-0149	EA	5,411 MBH Steam, 6,061 MBH Water Gas Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	122,151.70	1,841.42
23 52 23 00-0150		**Oil Fired Weil-McLain Model 94 Cast Iron Boiler** *(23 52 23 00-0111)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0151	EA	1,575 MBH Steam, 1,763 MBH Water Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	54,279.65	7,561.48
23 52 23 00-0152	EA	1,801 MBH Steam, 2,017 MBH Water Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	59,093.05	7,993.56
23 52 23 00-0153	EA	2,028 MBH Steam, 2,271 MBH Water Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	64,942.38	8,425.66
23 52 23 00-0154	EA	2,255 MBH Steam, 2,525 MBH Water Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	68,870.19	8,857.74
23 52 23 00-0155	EA	2,477 MBH Steam, 2,774 MBH Water Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	72,958.71	9,289.83
23 52 23 00-0156	EA	2,702 MBH Steam, 3,026 MBH Water Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	78,259.86	9,721.91
23 52 23 00-0157	EA	2,927 MBH Steam, 3,278 MBH Water Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	82,552.28	10,153.99
23 52 23 00-0158	EA	3,160 MBH Steam, 3,539 MBH Water Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	86,519.62	10,586.08
23 52 23 00-0159	EA	3,385 MBH Steam, 3,791 MBH Water Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	93,707.18	11,018.16
23 52 23 00-0160	EA	3,610 MBH Steam, 4,043 MBH Water Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	97,671.20	11,450.25
23 52 23 00-0161	EA	3,835 MBH Steam, 4,296 MBH Water Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	101,634.01	11,882.33
23 52 23 00-0162	EA	4,061 MBH Steam, 4,548 MBH Water Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	108,956.11	12,314.41
23 52 23 00-0163	EA	4,286 MBH Steam, 4,800 MBH Water Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	112,951.76	12,746.50
23 52 23 00-0164	EA	4,511 MBH Steam, 5,052 MBH Water Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	119,477.60	13,178.58
23 52 23 00-0165	EA	4,736 MBH Steam, 5,304 MBH Water Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	123,681.40	13,610.68
23 52 23 00-0166	EA	4,961 MBH Steam, 5,557 MBH Water Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	128,189.76	14,042.76
23 52 23 00-0167	EA	5,186 MBH Steam, 5,809 MBH Water Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	132,143.15	14,474.84
23 52 23 00-0168	EA	5,411 MBH Steam, 6,061 MBH Water Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	136,215.74	14,906.93
23 52 23 00-0169		**Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler** *(23 52 23 00-0111)*		
23 52 23 00-0170	EA	1,575 MBH Steam, 1,763 MBH Water Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	47,390.68	1,040.81
23 52 23 00-0171	EA	1,801 MBH Steam, 2,017 MBH Water Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	51,991.78	1,120.87
23 52 23 00-0172	EA	2,028 MBH Steam, 2,271 MBH Water Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	57,626.06	1,200.92
23 52 23 00-0173	EA	2,255 MBH Steam, 2,525 MBH Water Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	61,341.97	1,280.99
23 52 23 00-0174	EA	2,477 MBH Steam, 2,774 MBH Water Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	64,895.17	1,280.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0175	EA	2,702 MBH Steam, 3,026 MBH Water Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	68,602.80	1,361.05
23 52 23 00-0176	EA	2,927 MBH Steam, 3,278 MBH Water Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	72,360.75	1,361.05
23 52 23 00-0177	EA	3,160 MBH Steam, 3,539 MBH Water Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	76,112.35	1,441.11
23 52 23 00-0178	EA	3,385 MBH Steam, 3,791 MBH Water Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	82,768.30	1,441.11
23 52 23 00-0179	EA	3,610 MBH Steam, 4,043 MBH Water Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	86,517.80	1,521.18
23 52 23 00-0180	EA	3,835 MBH Steam, 4,296 MBH Water Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	89,948.15	1,521.18
23 52 23 00-0181	EA	4,061 MBH Steam, 4,548 MBH Water Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	97,058.79	1,601.24
23 52 23 00-0182	EA	4,286 MBH Steam, 4,800 MBH Water Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	100,519.59	1,601.24
23 52 23 00-0183	EA	4,511 MBH Steam, 5,052 MBH Water Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	106,830.15	1,681.29
23 52 23 00-0184	EA	4,736 MBH Steam, 5,304 MBH Water Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	110,500.95	1,681.29
23 52 23 00-0185	EA	4,961 MBH Steam, 5,557 MBH Water Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	114,794.40	1,761.36
23 52 23 00-0186	EA	5,186 MBH Steam, 5,809 MBH Water Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	118,214.25	1,761.36
23 52 23 00-0187	EA	5,411 MBH Steam, 6,061 MBH Water Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	122,072.95	1,841.42
23 52 23 00-0188		Gas/Oil Fired Weil-McLain Model 94 Cast Iron Boiler *(23 52 23 00-0111)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0189	EA	1,575 MBH Steam, 1,763 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	58,397.75	7,561.48
23 52 23 00-0190	EA	1,801 MBH Steam, 2,017 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	63,212.20	7,993.56
23 52 23 00-0191	EA	2,028 MBH Steam, 2,271 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	67,879.23	8,425.66
23 52 23 00-0192	EA	2,255 MBH Steam, 2,525 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	72,292.14	8,857.74
23 52 23 00-0193	EA	2,477 MBH Steam, 2,774 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	76,614.81	9,289.83
23 52 23 00-0194	EA	2,702 MBH Steam, 3,026 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	81,361.56	9,721.91
23 52 23 00-0195	EA	2,927 MBH Steam, 3,278 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	86,604.23	10,153.99
23 52 23 00-0196	EA	3,160 MBH Steam, 3,539 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	90,827.77	10,586.08
23 52 23 00-0197	EA	3,385 MBH Steam, 3,791 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	97,430.48	11,018.16
23 52 23 00-0198	EA	3,610 MBH Steam, 4,043 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	101,393.45	11,450.25
23 52 23 00-0199	EA	3,835 MBH Steam, 4,296 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	104,870.11	11,882.33
23 52 23 00-0200	EA	4,061 MBH Steam, 4,548 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	111,155.86	12,314.41
23 52 23 00-0201	EA	4,286 MBH Steam, 4,800 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	116,201.51	12,746.50
23 52 23 00-0202	EA	4,511 MBH Steam, 5,052 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	123,121.10	13,178.58
23 52 23 00-0203	EA	4,736 MBH Steam, 5,304 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	127,294.45	13,610.68
23 52 23 00-0204	EA	4,961 MBH Steam, 5,557 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	132,088.41	14,042.76
23 52 23 00-0205	EA	5,186 MBH Steam, 5,809 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	136,042.85	14,474.84
23 52 23 00-0206	EA	5,411 MBH Steam, 6,061 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	140,112.29	14,906.93
23 52 23 00-0207		Gas/Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler *(23 52 23 00-0111)*		
23 52 23 00-0208	EA	1,575 MBH Steam, 1,763 MBH Water Gas/Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	51,755.53	1,040.81
23 52 23 00-0209	EA	1,801 MBH Steam, 2,017 MBH Water Gas/Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	56,357.68	1,120.87
23 52 23 00-0210	EA	2,028 MBH Steam, 2,271 MBH Water Gas/Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	60,812.81	1,200.92
23 52 23 00-0211	EA	2,255 MBH Steam, 2,525 MBH Water Gas/Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	65,011.72	1,280.99
23 52 23 00-0212	EA	2,477 MBH Steam, 2,774 MBH Water Gas/Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	68,799.07	1,280.99
23 52 23 00-0213	EA	2,702 MBH Steam, 3,026 MBH Water Gas/Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	71,951.25	1,361.05
23 52 23 00-0214	EA	2,927 MBH Steam, 3,278 MBH Water Gas/Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	76,659.45	1,361.05

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0215	EA	3,160 MBH Steam, 3,539 MBH Water Gas/Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	80,668.30	1,441.11
23 52 23 00-0216	EA	3,385 MBH Steam, 3,791 MBH Water Gas/Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	86,739.40	1,441.11
23 52 23 00-0217	EA	3,610 MBH Steam, 4,043 MBH Water Gas/Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	90,487.85	1,521.18
23 52 23 00-0218	EA	3,835 MBH Steam, 4,296 MBH Water Gas/Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	93,431.00	1,521.18
23 52 23 00-0219	EA	4,061 MBH Steam, 4,548 MBH Water Gas/Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	99,505.29	1,601.24
23 52 23 00-0220	EA	4,286 MBH Steam, 4,800 MBH Water Gas/Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	104,017.14	1,601.24
23 52 23 00-0221	EA	4,511 MBH Steam, 5,052 MBH Water Gas/Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	110,721.45	1,681.29
23 52 23 00-0222	EA	4,736 MBH Steam, 5,304 MBH Water Gas/Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	114,361.80	1,681.29
23 52 23 00-0223	EA	4,961 MBH Steam, 5,557 MBH Water Gas/Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	118,939.80	1,761.36
23 52 23 00-0224	EA	5,186 MBH Steam, 5,809 MBH Water Gas/Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	122,360.70	1,761.36
23 52 23 00-0225	EA	5,411 MBH Steam, 6,061 MBH Water Gas/Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	126,217.30	1,841.42

23 52 33 Water-Tube Boilers *(23 52)*

23 52 33 13 Finned Water-Tube Boilers *(23 52 33)*

23 52 33 13-0001 Laars Pennant 85% Efficient Water, Gas Fired, Copper Fin Tube LoNox Boiler *(23 52 33 13)*

23 52 33 13-0002	EA	200 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	6,221.71	444.76
23 52 33 13-0003	EA	300 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	6,847.37	494.18
23 52 33 13-0004	EA	400 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	7,869.03	593.02
23 52 33 13-0005	EA	500 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	10,035.26	617.73
23 52 33 13-0006	EA	750 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	11,790.98	741.27
23 52 33 13-0007	EA	1,000 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	14,486.19	889.53
23 52 33 13-0008	EA	1,250 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	16,447.94	938.94
23 52 33 13-0009	EA	1,500 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	18,216.23	1,013.08
23 52 33 13-0010	EA	1,750 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	19,858.86	1,062.49
23 52 33 13-0011	EA	2,000 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	21,304.05	1,087.20

23 52 33 13-0012 Patterson Kelly Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler *(23 52 33 13)*

23 52 33 13-0013	EA	1,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire)	21,642.51	889.53
23 52 33 13-0014	EA	1,500 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire)	27,020.02	1,013.08
23 52 33 13-0015	EA	2,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire)	28,792.74	1,087.20
23 52 33 13-0016	EA	2,500 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire)	40,705.79	1,235.45
23 52 33 13-0017	EA	3,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire)	42,705.35	1,383.71

23 52 33 13-0018 Lochinvar Copper-Fin II Finned Tube Boiler *(23 52 33 13)*

23 52 33 13-0019	EA	340 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0402)	7,292.82	399.09
		For High And Low Gas Pressure Switch With Manual Reset, Add	*259.95*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*230.29*	
23 52 33 13-0020	EA	425 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0502)	8,769.18	498.68
		For High And Low Gas Pressure Switch With Manual Reset, Add	*259.95*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*230.29*	
23 52 33 13-0021	EA	552.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0652)	9,455.80	599.01
		For High And Low Gas Pressure Switch With Manual Reset, Add	*259.95*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*230.29*	
23 52 33 13-0022	EA	637.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0752)	9,703.74	599.01
		For High And Low Gas Pressure Switch With Manual Reset, Add	*259.95*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*230.29*	
23 52 33 13-0023	EA	841.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0992)	12,041.19	748.76
		For High And Low Gas Pressure Switch With Manual Reset, Add	*259.95*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*230.29*	
23 52 33 13-0024	EA	1,071 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1262)	13,860.88	748.76
		For High And Low Gas Pressure Switch With Manual Reset, Add	*259.95*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*230.29*	
23 52 33 13-0025	EA	1,224 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1442)	15,064.58	748.76
		For High And Low Gas Pressure Switch With Manual Reset, Add	*259.95*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*230.29*	
23 52 33 13-0026	EA	1,530 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1802)	16,303.59	898.52
		For High And Low Gas Pressure Switch With Manual Reset, Add	*259.95*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*230.29*	
23 52 33 13-0027	EA	1,759.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN2072)	19,272.57	1,048.27
		For High And Low Gas Pressure Switch With Manual Reset, Add	*259.95*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*230.29*	

23 52 33 13-0028 Raypak Cupro-Nickel Finned-Tube Boiler With Pump *(23 52 33 13)*

23 52 33 13-0029	EA	385 MBH Water, Gas Fired, On/Off, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H4-399B)	7,146.48	548.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 13-0030	EA	420 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-499B)	7,699.73	494.18
23 52 33 13-0031	EA	546 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-649B)	8,534.53	593.02
23 52 33 13-0032	EA	630 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-749B)	9,066.37	673.21
23 52 33 13-0033	EA	756 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-899B)	10,071.24	741.27
23 52 33 13-0034	EA	832 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-989B)	10,827.85	797.88
23 52 33 13-0035	EA	1,058 MBH Water, Gas Fired, Three Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H8-1259B)	12,362.49	889.53
23 52 33 13-0036	EA	1,285 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1529B)	14,305.00	938.94
23 52 33 13-0037	EA	1,512 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1799B)	15,188.93	1,013.08
23 52 33 13-0038	EA	1,679 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1999B)	18,047.66	1,037.78
23 52 33 13-0039	EA	1,739 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-2069B)	18,122.53	1,062.49
23 52 33 13-0040	EA	1,966 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-2339B)	21,106.48	1,087.20

23 52 33 16 Steel Water-Tube Boilers *(23 52 33)*

23 52 33 16-0001 Unilux 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler *(23 52 33 16)*

Note: Compliant with BAAQMD.

23 52 33 16-0002	EA	1,250 MBH Input/1,062 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF100)	44,358.86	1,198.02
23 52 33 16-0003	EA	1,750 MBH Input/1.488 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF150)	47,798.10	1,497.52
23 52 33 16-0004	EA	2,200 MBH Input/1,870 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF200)	48,728.15	1,647.28
23 52 33 16-0005	EA	2,750 MBH Input/2,338 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF250)	52,498.42	1,797.03
23 52 33 16-0006	EA	3,000 MBH Input/2,550 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF300)	54,367.79	2,021.66
23 52 33 16-0007	EA	3,750 MBH Output/3,188 MBH Input, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux VZ350)	60,022.65	2,246.28
23 52 33 16-0008	EA	4,300 MBH Input/3655 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux VZ400)	62,538.88	2,321.16

23 52 33 16-0009 Unilux 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler *(23 52 33 16)*

Note: Compliant with BAAQMD.

23 52 33 16-0010	EA	1,250 MBH, 31 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 100LS)	51,757.82	1,347.77
23 52 33 16-0011	EA	1,750 MBH, 43.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 150LS)	54,415.65	1,572.39
23 52 33 16-0012	EA	2,200 MBH, 54.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 200LS)	55,977.35	1,722.16
23 52 33 16-0013	EA	2,750 MBH, 68 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 250LS)	62,586.73	1,871.91
23 52 33 16-0014	EA	3,000 MBH, 74 HP,83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 300LS)	64,936.90	2,021.66
23 52 33 16-0015	EA	3,750 MBH, 93 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 350LS)	69,487.47	2,246.28
23 52 33 16-0016	EA	4,300 MBH, 106.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 400LS)	73,576.88	2,396.03
23 52 33 16-0017	EA	5,400 MBH, 134 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 500LS)	122,303.70	2,545.78
23 52 33 16-0018	EA	6,250 MBH, 155 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 600LS)	132,383.86	2,695.54
23 52 33 16-0019	EA	7,235 MBH, 179 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 700LS)	139,309.06	2,845.30
23 52 33 16-0020	EA	8,270 MBH, 205 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 800LS)	142,921.43	2,995.05

23 52 33 16-0021 Unilux 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler *(23 52 33 16)*

Note: Compliant with BAAQMD.

23 52 33 16-0022	EA	1,250 MBH, 31 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 100HS)	55,701.22	1,347.77
23 52 33 16-0023	EA	1,750 MBH, 43.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 150HS)	59,148.61	1,572.39
23 52 33 16-0024	EA	2,200 MBH, 54.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 200HS)	61,340.86	1,722.16
23 52 33 16-0025	EA	2,750 MBH, 68 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 250HS)	68,108.16	1,871.91
23 52 33 16-0026	EA	3,000 MBH, 74 HP,81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 300HS)	70,458.32	2,021.66
23 52 33 16-0027	EA	3,750 MBH, 93 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 350HS)	74,220.44	2,246.28
23 52 33 16-0028	EA	4,300 MBH, 106.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 400HS)	78,464.44	2,396.03
23 52 33 16-0029	EA	5,400 MBH, 134 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 500HS)	126,878.76	2,545.78
23 52 33 16-0030	EA	6,250 MBH, 155 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 600HS)	137,748.47	2,695.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 16-0031	EA	7,235 MBH, 179 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 700HS)	142,149.29	2,845.30
23 52 33 16-0032	EA	8,270 MBH, 205 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 800HS)	148,286.05	2,995.05
23 52 33 16-0033	EA	9,300 MBH, 230 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 900HS)	164,834.01	3,144.80
23 52 33 16-0034	EA	10,330 MBH, 256 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 1000HS)	237,936.81	3,294.55
23 52 33 16-0035	EA	12,400 MBH, 307 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 1200HS)	249,989.21	3,444.30

23 52 36 Fire-Box Boiler *(23 52)*

23 52 36 00-0001 Package Oil Fired Firebox Boilers *(23 52 36)*

Note: Prices are good for 15 PSI steam or 30 PSI water. Packaged type, complete with burner and all basic safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Normally required (Boiler HP). boiler sizes are based on HP rating and gross output.

23 52 36 00-0002	EA	40 HP, 1,339 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	38,309.24	1,921.48
23 52 36 00-0003	EA	46 HP, 1,553 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	40,104.71	2,081.61
23 52 36 00-0004	EA	53 HP, 1,784 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	42,034.28	2,241.73
23 52 36 00-0005	EA	61 HP, 2,062 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	45,439.04	2,401.86
23 52 36 00-0006	EA	69 HP, 2,313 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	47,502.68	2,561.98
23 52 36 00-0007	EA	80 HP, 2,678 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	49,532.91	2,722.10
23 52 36 00-0008	EA	100 HP, 3,348 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	54,989.53	2,882.23
23 52 36 00-0009	EA	127 HP, 4,251 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	63,535.80	3,202.47
23 52 36 00-0010	EA	151 HP, 5,055 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	72,222.96	3,522.73
23 52 36 00-0011	EA	183 HP, 6,126 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	79,246.58	3,883.00
23 52 36 00-0012	EA	220 HP, 7,388 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	86,270.32	4,243.28
23 52 36 00-0013	EA	257 HP, 8,606 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	91,064.31	4,963.84
23 52 36 00-0014	EA	294 HP, 9,842 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	110,710.81	5,684.39
23 52 36 00-0015	EA	368 HP, 12,302 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	130,826.70	6,404.94
23 52 36 00-0016	EA	441 HP, 14,766 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	151,203.34	7,205.57
23 52 36 00-0017	EA	514 HP, 17,220 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	170,978.45	7,806.03

23 52 39 Fire-Tube Boilers *(23 52)*

23 52 39 13 Scotch Marine Boilers *(23 52 39)*

23 52 39 13-0001 15 PSI Steam Scotch Marine Boilers *(23 52 39 13)*

Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH output.

23 52 39 13-0002 15 PSI Gas Fired Steam Scotch Marine Boilers *(23 52 39 13-0001)*

23 52 39 13-0003	EA	30 HP, 1,033 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	30,700.97	880.68
23 52 39 13-0004	EA	40 HP, 1,339 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	33,064.83	960.74
23 52 39 13-0005	EA	50 HP, 1,674 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	35,910.24	1,040.81
23 52 39 13-0006	EA	60 HP, 2,009 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	37,687.48	1,200.92
23 52 39 13-0007	EA	70 HP, 2,343 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	39,524.09	1,280.99
23 52 39 13-0008	EA	80 HP, 2,678 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	41,402.53	1,361.05
23 52 39 13-0009	EA	90 HP, 3,013 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	42,677.80	1,401.08
23 52 39 13-0010	EA	100 HP, 3,348 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	44,996.99	1,441.11
23 52 39 13-0011	EA	125 HP, 4,184 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	50,832.59	1,601.24
23 52 39 13-0012	EA	150 HP, 5,021 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	57,681.01	1,761.36
23 52 39 13-0013	EA	175 HP, 5,858 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	63,279.45	1,941.50
23 52 39 13-0014	EA	200 HP, 6,695 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	68,876.26	2,121.64
23 52 39 13-0015	EA	250 HP, 8,369 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	73,011.72	2,481.92
23 52 39 13-0016	EA	300 HP, 10,043 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	88,534.83	2,842.20
23 52 39 13-0017	EA	350 HP, 11,716 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	96,036.56	3,202.47
23 52 39 13-0018	EA	400 HP, 13,390 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	112,760.14	3,562.75
23 52 39 13-0019	EA	500 HP, 16,738 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	136,352.55	3,923.03
23 52 39 13-0020	EA	600 HP, 20,085 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	159,084.72	4,283.31
23 52 39 13-0021	EA	700 HP, 23,433 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	180,842.80	4,643.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0022	EA	800 HP, 26,780 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	201,759.99	5,003.86
23 52 39 13-0023	EA	900 HP, 30,128 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	221,818.89	5,364.15
23 52 39 13-0024	EA	1,000 HP, 33,476 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	241,131.22	5,724.42
23 52 39 13-0025		15 PSI Oil Fired Steam Scotch Marine Boilers *(23 52 39 13-0001)*		
23 52 39 13-0026	EA	30 HP, 1,033 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	28,549.51	880.68
23 52 39 13-0027	EA	40 HP, 1,339 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	30,751.43	960.74
23 52 39 13-0028	EA	50 HP, 1,674 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	33,395.68	1,040.81
23 52 39 13-0029	EA	60 HP, 2,009 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	36,484.52	1,200.92
23 52 39 13-0030	EA	70 HP, 2,343 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	38,105.20	1,280.99
23 52 39 13-0031	EA	80 HP, 2,678 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	39,722.13	1,361.05
23 52 39 13-0032	EA	90 HP, 3,013 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	41,183.81	1,401.08
23 52 39 13-0033	EA	100 HP, 3,348 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	44,040.79	1,441.11
23 52 39 13-0034	EA	125 HP, 4,184 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	50,878.18	1,601.24
23 52 39 13-0035	EA	150 HP, 5,021 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	57,730.63	1,761.36
23 52 39 13-0036	EA	175 HP, 5,858 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	63,334.44	1,941.50
23 52 39 13-0037	EA	200 HP, 6,695 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	68,936.61	2,121.64
23 52 39 13-0038	EA	250 HP, 8,369 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	73,074.75	2,481.92
23 52 39 13-0039	EA	300 HP, 10,043 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	88,612.61	2,842.20
23 52 39 13-0040	EA	350 HP, 11,716 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	96,119.70	3,202.47
23 52 39 13-0041	EA	400 HP, 13,390 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	112,859.38	3,562.75
23 52 39 13-0042	EA	500 HP, 16,738 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	136,473.25	3,923.03
23 52 39 13-0043	EA	600 HP, 20,085 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	159,226.88	4,283.31
23 52 39 13-0044	EA	700 HP, 23,433 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	181,005.07	4,643.58
23 52 39 13-0045	EA	800 HP, 26,780 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	201,942.38	5,003.86
23 52 39 13-0046	EA	900 HP, 30,128 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	222,018.71	5,364.15
23 52 39 13-0047	EA	1,000 HP, 33,476 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	241,349.82	5,724.42
23 52 39 13-0048		15 PSI Gas/Oil Fired Steam Scotch Marine Boilers *(23 52 39 13-0001)*		
23 52 39 13-0049	EA	30 HP, 1,033 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	31,642.62	880.68
23 52 39 13-0050	EA	40 HP, 1,339 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	34,077.36	960.74
23 52 39 13-0051	EA	50 HP, 1,674 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	37,008.60	1,040.81
23 52 39 13-0052	EA	60 HP, 2,009 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	39,052.72	1,200.92
23 52 39 13-0053	EA	70 HP, 2,343 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	40,779.35	1,280.99
23 52 39 13-0054	EA	80 HP, 2,678 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	42,502.23	1,361.05
23 52 39 13-0055	EA	90 HP, 3,013 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	44,068.52	1,401.08
23 52 39 13-0056	EA	100 HP, 3,348 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	45,635.35	1,441.11
23 52 39 13-0057	EA	125 HP, 4,184 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	52,731.58	1,601.24
23 52 39 13-0058	EA	150 HP, 5,021 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	59,842.86	1,761.36
23 52 39 13-0059	EA	175 HP, 5,858 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	65,650.52	1,941.50
23 52 39 13-0060	EA	200 HP, 6,695 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	71,455.20	2,121.64
23 52 39 13-0061	EA	250 HP, 8,369 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	75,705.99	2,481.92
23 52 39 13-0062	EA	300 HP, 10,043 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	91,831.25	2,842.20

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0063	EA	350 HP, 11,716 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	99,590.47	3,202.47
23 52 39 13-0064	EA	400 HP, 13,390 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	116,968.51	3,562.75
23 52 39 13-0065	EA	500 HP, 16,738 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	141,506.40	3,923.03
23 52 39 13-0066	EA	600 HP, 20,085 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	165,146.49	4,283.31
23 52 39 13-0067	EA	700 HP, 23,433 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	187,773.60	4,643.58
23 52 39 13-0068	EA	800 HP, 26,780 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	209,522.28	5,003.86
23 52 39 13-0069	EA	900 HP, 30,128 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	230,376.45	5,364.15
23 52 39 13-0070	EA	1,000 HP, 33,476 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	250,450.52	5,724.42
23 52 39 13-0071		150 PSI Steam Scotch Marine Boilers *(23 52 39 13)* Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH output.		
23 52 39 13-0072		150 PSI Gas Fired Steam Scotch Marine Boilers *(23 52 39 13-0071)*		
23 52 39 13-0073	EA	40 HP, 1,339 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	41,831.60	960.74
23 52 39 13-0074	EA	50 HP, 1,674 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	45,433.39	1,040.81
23 52 39 13-0075	EA	60 HP, 2,009 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	47,552.61	1,200.92
23 52 39 13-0076	EA	70 HP, 2,343 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	49,843.85	1,280.99
23 52 39 13-0077	EA	80 HP, 2,678 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	52,190.33	1,361.05
23 52 39 13-0078	EA	90 HP, 3,013 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	53,800.88	1,401.08
23 52 39 13-0079	EA	100 HP, 3,348 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	56,767.82	1,441.11
23 52 39 13-0080	EA	125 HP, 4,184 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	64,163.12	1,601.24
23 52 39 13-0081	EA	150 HP, 5,021 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	72,870.31	1,761.36
23 52 39 13-0082	EA	175 HP, 5,858 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	79,933.23	1,941.50
23 52 39 13-0083	EA	200 HP, 6,695 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	86,994.52	2,121.64
23 52 39 13-0084	EA	250 HP, 8,369 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	91,937.32	2,481.92
23 52 39 13-0085	EA	300 HP, 10,043 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	111,686.24	2,842.20
23 52 39 13-0086	EA	350 HP, 11,716 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	120,989.73	3,202.47
23 52 39 13-0087	EA	400 HP, 13,390 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	142,316.64	3,562.75
23 52 39 13-0088	EA	500 HP, 16,738 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	172,558.23	3,923.03
23 52 39 13-0089	EA	600 HP, 20,085 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	201,663.31	4,283.31
23 52 39 13-0090	EA	700 HP, 23,433 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	229,524.73	4,643.58
23 52 39 13-0091	EA	800 HP, 26,780 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	256,283.75	5,003.86
23 52 39 13-0092	EA	900 HP, 30,128 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	281,931.02	5,364.15
23 52 39 13-0093	EA	1,000 HP, 33,476 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	306,586.29	5,724.42
23 52 39 13-0094		150 PSI Oil Fired Steam Scotch Marine Boilers *(23 52 39 13-0071)*		
23 52 39 13-0095	EA	40 HP, 1,339 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	38,823.51	960.74
23 52 39 13-0096	EA	50 HP, 1,674 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	42,165.13	1,040.81
23 52 39 13-0097	EA	60 HP, 2,009 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	45,987.55	1,200.92
23 52 39 13-0098	EA	70 HP, 2,343 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	47,999.84	1,280.99
23 52 39 13-0099	EA	80 HP, 2,678 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	50,007.02	1,361.05
23 52 39 13-0100	EA	90 HP, 3,013 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	51,857.63	1,401.08
23 52 39 13-0101	EA	100 HP, 3,348 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	55,523.28	1,441.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0102	EA	125 HP, 4,184 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	64,220.79	1,601.24
23 52 39 13-0103	EA	150 HP, 5,021 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	72,936.02	1,761.36
23 52 39 13-0104	EA	175 HP, 5,858 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	80,005.65	1,941.50
23 52 39 13-0105	EA	200 HP, 6,695 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	87,073.65	2,121.64
23 52 39 13-0106	EA	250 HP, 8,369 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	92,019.13	2,481.92
23 52 39 13-0107	EA	300 HP, 10,043 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	111,786.82	2,842.20
23 52 39 13-0108	EA	350 HP, 11,716 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	121,098.36	3,202.47
23 52 39 13-0109	EA	400 HP, 13,390 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	142,445.39	3,562.75
23 52 39 13-0110	EA	500 HP, 16,738 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	172,715.14	3,923.03
23 52 39 13-0111	EA	600 HP, 20,085 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	201,848.38	4,283.31
23 52 39 13-0112	EA	700 HP, 23,433 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	229,735.28	4,643.58
23 52 39 13-0113	EA	800 HP, 26,780 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	256,519.79	5,003.86
23 52 39 13-0114	EA	900 HP, 30,128 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	282,191.19	5,364.15
23 52 39 13-0115	EA	1,000 HP, 33,476 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	306,870.60	5,724.42
23 52 39 13-0116		150 PSI Gas/Oil Fired Steam Scotch Marine Boilers *(23 52 39 13-0071)*		
23 52 39 13-0117	EA	40 HP, 1,339 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	43,147.22	960.74
23 52 39 13-0118	EA	50 HP, 1,674 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	46,861.66	1,040.81
23 52 39 13-0119	EA	60 HP, 2,009 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	49,326.89	1,200.92
23 52 39 13-0120	EA	70 HP, 2,343 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	51,475.97	1,280.99
23 52 39 13-0121	EA	80 HP, 2,678 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	53,619.95	1,361.05
23 52 39 13-0122	EA	90 HP, 3,013 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	55,608.69	1,401.08
23 52 39 13-0123	EA	100 HP, 3,348 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	57,596.62	1,441.11
23 52 39 13-0124	EA	125 HP, 4,184 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	66,630.74	1,601.24
23 52 39 13-0125	EA	150 HP, 5,021 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	75,681.25	1,761.36
23 52 39 13-0126	EA	175 HP, 5,858 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	83,015.08	1,941.50
23 52 39 13-0127	EA	200 HP, 6,695 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	90,348.61	2,121.64
23 52 39 13-0128	EA	250 HP, 8,369 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	95,440.27	2,481.92
23 52 39 13-0129	EA	300 HP, 10,043 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	115,971.05	2,842.20
23 52 39 13-0130	EA	350 HP, 11,716 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	125,609.82	3,202.47
23 52 39 13-0131	EA	400 HP, 13,390 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	147,786.99	3,562.75
23 52 39 13-0132	EA	500 HP, 16,738 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	179,259.70	3,923.03
23 52 39 13-0133	EA	600 HP, 20,085 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	209,543.61	4,283.31
23 52 39 13-0134	EA	700 HP, 23,433 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	238,534.24	4,643.58
23 52 39 13-0135	EA	800 HP, 26,780 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	266,374.19	5,003.86
23 52 39 13-0136	EA	900 HP, 30,128 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	293,055.44	5,364.15
23 52 39 13-0137	EA	1,000 HP, 33,476 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	318,700.44	5,724.42
23 52 39 13-0138		125 PSI Water Scotch Marine Boilers *(23 52 39 13)* Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH output.		
23 52 39 13-0139		125 PSI Gas Fired Water Scotch Marine Boilers *(23 52 39 13-0138)*		
23 52 39 13-0140	EA	40 HP, 1,339 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	36,223.12	960.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0141	EA	50 HP, 1,674 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	40,596.04	1,040.81
23 52 39 13-0142	EA	60 HP, 2,009 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	43,734.50	1,200.92
23 52 39 13-0143	EA	70 HP, 2,343 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	46,998.04	1,280.99
23 52 39 13-0144	EA	80 HP, 2,678 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	50,326.20	1,361.05
23 52 39 13-0145	EA	90 HP, 3,013 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	52,939.90	1,401.08
23 52 39 13-0146	EA	100 HP, 3,348 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	56,900.59	1,441.11
23 52 39 13-0147	EA	125 HP, 4,184 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	61,125.53	1,601.24
23 52 39 13-0148	EA	150 HP, 5,021 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	66,665.04	1,761.36
23 52 39 13-0149	EA	175 HP, 5,858 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	71,012.24	1,941.50
23 52 39 13-0150	EA	200 HP, 6,695 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	73,685.45	2,121.64
23 52 39 13-0151	EA	250 HP, 8,369 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	89,075.41	2,481.92
23 52 39 13-0152	EA	300 HP, 10,043 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	103,640.98	2,842.20
23 52 39 13-0153	EA	350 HP, 11,716 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	111,920.54	3,202.47
23 52 39 13-0154	EA	400 HP, 13,390 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	124,850.15	3,562.75
23 52 39 13-0155	EA	500 HP, 16,738 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	150,696.96	3,923.03
23 52 39 13-0156	EA	600 HP, 20,085 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	175,954.42	4,283.31
23 52 39 13-0157	EA	700 HP, 23,433 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	200,130.50	4,643.58
23 52 39 13-0158	EA	800 HP, 26,780 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	223,362.43	5,003.86
23 52 39 13-0159	EA	900 HP, 30,128 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	245,635.49	5,364.15
23 52 39 13-0160	EA	1,000 HP, 33,476 MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	267,066.75	5,724.42
23 52 39 13-0161		125 PSI Oil Fired Water Scotch Marine Boilers *(23 52 39 13-0138)*		
23 52 39 13-0162	EA	40 HP, 1,339 MBH Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	33,658.94	960.74
23 52 39 13-0163	EA	50 HP, 1,674 MBH Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	37,709.99	1,040.81
23 52 39 13-0164	EA	60 HP, 2,009 MBH Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	42,308.91	1,200.92
23 52 39 13-0165	EA	70 HP, 2,343 MBH Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	45,272.04	1,280.99
23 52 39 13-0166	EA	80 HP, 2,678 MBH Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	48,230.07	1,361.05
23 52 39 13-0167	EA	90 HP, 3,013 MBH Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	51,031.51	1,401.08
23 52 39 13-0168	EA	100 HP, 3,348 MBH Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	55,653.37	1,441.11
23 52 39 13-0169	EA	125 HP, 4,184 MBH Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	61,180.51	1,601.24
23 52 39 13-0170	EA	150 HP, 5,021 MBH Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	66,724.05	1,761.36
23 52 39 13-0171	EA	175 HP, 5,858 MBH Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	71,075.27	1,941.50
23 52 39 13-0172	EA	200 HP, 6,695 MBH Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	73,751.16	2,121.64
23 52 39 13-0173	EA	250 HP, 8,369 MBH Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	89,154.54	2,481.92
23 52 39 13-0174	EA	300 HP, 10,043 MBH Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	103,733.51	2,842.20
23 52 39 13-0175	EA	350 HP, 11,716 MBH Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	112,019.78	3,202.47
23 52 39 13-0176	EA	400 HP, 13,390 MBH Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	124,961.47	3,562.75
23 52 39 13-0177	EA	500 HP, 16,738 MBH Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	150,832.41	3,923.03
23 52 39 13-0178	EA	600 HP, 20,085 MBH Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	176,114.01	4,283.31
23 52 39 13-0179	EA	700 HP, 23,433 MBH Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	200,312.89	4,643.58
23 52 39 13-0180	EA	800 HP, 26,780 MBH Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	223,566.28	5,003.86
23 52 39 13-0181	EA	900 HP, 30,128 MBH Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	245,859.45	5,364.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0182	EA	1,000 HP, 33,476 MBH Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	267,310.83	5,724.42
23 52 39 13-0183		125 PSI Gas/Oil Fired Water Scotch Marine Boilers *(23 52 39 13-0138)*		
23 52 39 13-0184	EA	40 HP, 1,339 MBH Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	37,344.28	960.74
23 52 39 13-0185	EA	50 HP, 1,674 MBH Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	41,856.68	1,040.81
23 52 39 13-0186	EA	60 HP, 2,009 MBH Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	45,350.53	1,200.92
23 52 39 13-0187	EA	70 HP, 2,343 MBH Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	48,526.89	1,280.99
23 52 39 13-0188	EA	80 HP, 2,678 MBH Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	51,699.49	1,361.05
23 52 39 13-0189	EA	90 HP, 3,013 MBH Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	54,715.51	1,401.08
23 52 39 13-0190	EA	100 HP, 3,348 MBH Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	57,732.07	1,441.11
23 52 39 13-0191	EA	125 HP, 4,184 MBH Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	63,463.06	1,601.24
23 52 39 13-0192	EA	150 HP, 5,021 MBH Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	69,210.44	1,761.36
23 52 39 13-0193	EA	175 HP, 5,858 MBH Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	73,713.21	1,941.50
23 52 39 13-0194	EA	200 HP, 6,695 MBH Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	76,470.91	2,121.64
23 52 39 13-0195	EA	250 HP, 8,369 MBH Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	92,456.32	2,481.92
23 52 39 13-0196	EA	300 HP, 10,043 MBH Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	107,582.47	2,842.20
23 52 39 13-0197	EA	350 HP, 11,716 MBH Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	116,153.06	3,202.47
23 52 39 13-0198	EA	400 HP, 13,390 MBH Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	129,574.85	3,562.75
23 52 39 13-0199	EA	500 HP, 16,738 MBH Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	156,465.03	3,923.03
23 52 39 13-0200	EA	600 HP, 20,085 MBH Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	182,737.70	4,283.31
23 52 39 13-0201	EA	700 HP, 23,433 MBH Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	207,886.08	4,643.58
23 52 39 13-0202	EA	800 HP, 26,780 MBH Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	232,047.39	5,003.86
23 52 39 13-0203	EA	900 HP, 30,128 MBH Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	255,210.94	5,364.15
23 52 39 13-0204	EA	1,000 HP, 33,476 MBH Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	277,492.46	5,724.42

23 53 Heating Boiler Feedwater Equipment *(23 50)*

23 53 13 Boiler Feedwater Pumps *(23 53)*

See CSI section 23 53 16 00-0001 for boiler feedwater units.

23 53 16 Deaerators *(23 53)*

23 53 16 00-0001 Boiler Feed System *(23 53 16)*

23 53 16 00-0002 Low Pressure Boiler Feed System *(23 53 16 00-0001)*

Note: With deaerator includes pumps and accessories.

23 53 16 00-0003	EA	20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	4,867.41	936.08
23 53 16 00-0004	EA	34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	5,254.88	1,102.80
23 53 16 00-0005	EA	54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	5,644.73	1,141.44
23 53 16 00-0006	EA	67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	5,825.04	1,183.32
23 53 16 00-0007	EA	78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	6,163.96	1,264.65
23 53 16 00-0008	EA	104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	9,860.59	1,370.37
23 53 16 00-0009	EA	158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	11,125.68	1,463.90
23 53 16 00-0010	EA	219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	12,754.42	1,667.22
23 53 16 00-0011	EA	254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	14,035.59	1,789.22
23 53 16 00-0012	EA	305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	15,121.93	1,911.21

23 53 16 00-0013 High Pressure Boiler Feed System *(23 53 16 00-0001)*

Note: With deaerator includes pumps and accessories.

23 53 16 00-0014	EA	10 HP, 100 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	6,755.85	798.07
23 53 16 00-0015	EA	20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	7,038.87	936.08
23 53 16 00-0016	EA	34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	7,832.84	1,102.80
23 53 16 00-0017	EA	54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	8,465.53	1,141.44
23 53 16 00-0018	EA	67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	8,613.29	1,183.32
23 53 16 00-0019	EA	78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	10,397.13	1,264.65
23 53 16 00-0020	EA	104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	13,530.35	1,370.37
23 53 16 00-0021	EA	158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	13,879.20	1,463.90
23 53 16 00-0022	EA	183 HP, 1,800 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	15,268.27	1,567.67
23 53 16 00-0023	EA	219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	16,430.37	1,667.22

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 53 16 00-0024	EA	254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	17,576.45	1,789.22
23 53 16 00-0025	EA	305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	18,962.06	1,911.21
23 53 16 00-0026		Boiler Feedwater System *(23 53 16)*		
		Note: With deaerator includes pumps and accessories.		
23 53 16 00-0027	EA	1,380 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	8,440.70	1,102.80
23 53 16 00-0028	EA	2,600 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	11,007.62	1,263.43
23 53 16 00-0029	EA	4,300 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	14,532.67	1,446.01
23 53 16 00-0030	EA	6,900 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	17,484.17	1,668.04
23 53 16 00-0031	EA	8,500 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	18,555.65	1,789.22
23 53 16 00-0032	EA	11,000 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	19,574.71	1,911.21
23 53 16 00-0033	EA	13,800 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	21,790.83	2,195.94
23 53 16 00-0034	EA	17,250 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	28,190.00	2,521.32
23 53 16 00-0035	EA	20,700 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	36,608.42	2,913.33
23 53 16 00-0036	EA	27,600 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	46,355.01	3,344.20
23 53 16 00-0037	EA	34,500 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	59,423.43	3,847.62
23 53 16 00-0038		Duplex Vacuum Condensate Pumps *(23 53 16)*		
23 53 16 00-0039	EA	7 CFM, 15 GPM, 45 Gallon Duplex Vacuum Condensate Pump	16,857.60	650.63
		Note: Two 3/4 HP vacuum pumps rated for 7 CFM, two 3/4 HP condensate pumps rated for 15 GPM at 20 PSI and 45 GAL cast iron receiver. Skidmore JVC-7-45-102.		
23 53 16 00-0040	EA	9 CFM, 30 GPM, 45 Gallon Duplex Vacuum Condensate Pump	17,251.18	691.29
		Note: Two 1 HP vacuum pumps rated for 9 CFM, two 3/4 HP condensate pumps rated for 30 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-9-45-201.5.		
23 53 16 00-0041	EA	12 CFM, 45 GPM, 45 Gallon Duplex Vacuum Condensate Pump	17,701.55	731.95
		Note: Two 1-1/2 HP vacuum pumps rated for 12 CFM, two 1 HP condensate pumps rated for 45 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-12-45-301.5.		
23 53 16 00-0042	EA	18 CFM, 37.5 GPM, 65 Gallon Duplex Vacuum Condensate Pump	19,429.35	772.62
		Note: Two 2 HP vacuum pumps rated for 18 CFM, two 1 HP condensate pumps rated for 37.5 GPM at 20 PSI and 65 GAL cast iron receiver. Skidmore JVC-18-65-252.		
23 53 16 00-0043	EA	28 CFM, 60 GPM, 110 Gallon Duplex Vacuum Condensate Pump	23,144.27	813.28
		Note: Two 3 HP vacuum pumps rated for 28 CFM, two 1-1/2 HP condensate pumps rated for 60 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-28-110-402.		
23 53 16 00-0044	EA	42 CFM, 75 GPM, 110 Gallon Duplex Vacuum Condensate Pump	24,361.10	853.95
		Note: Two 5 HP vacuum pumps rated for 42 CFM, two 2 HP condensate pumps rated for 75 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-42-110-502.		
23 54		Furnaces *(23 50)*		
		Note: All units based on output. See CSI section 23 84 13 00-0000 for humidifiers.		
23 54 13		**Electric-Resistance Furnaces** *(23 54)*		
23 54 13 00-0001		Down Flow Multi-Speed Air Handler/Electric Furnace *(23 54 13)*		
23 54 13 00-0002	EA	Up To 2 Ton Down Flow Multi-Speed Air Handler/Electric Furnace	765.52	79.39
		Note: Excludes cooling equipment.		
23 54 13 00-0003	EA	>2 To 3.5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace	1,007.90	99.23
		Note: Excludes cooling equipment.		
23 54 13 00-0004	EA	>3.5 To 5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace	1,298.28	119.07
		Note: Excludes cooling equipment.		
23 54 13 00-0005		Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace *(23 54 13)*		
23 54 13 00-0006	EA	Up To 2 Ton Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace	765.52	79.39
		Note: Excludes cooling equipment.		
23 54 13 00-0007	EA	>2 To 2.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace	912.20	89.31
		Note: Excludes cooling equipment.		
23 54 13 00-0008	EA	>2.5 To 3 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace	997.90	99.23
		Note: Excludes cooling equipment.		
23 54 13 00-0009	EA	>3 to 3.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace	1,047.59	109.16
		Note: Excludes cooling equipment.		
23 54 13 00-0010	EA	>3.5 To 5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace	1,298.28	119.07
		Note: Excludes cooling equipment.		
23 54 13 00-0011		Heating Coil For Air Handler/Electric Furnace *(23 54 13)*		
23 54 13 00-0012	EA	5 KW Heating Coil For Air Handler/Electric Furnace	137.42	20.61
23 54 13 00-0013	EA	7 KW Heating Coil For Air Handler/Electric Furnace	156.66	22.67
23 54 13 00-0014	EA	10 KW Heating Coil For Air Handler/Electric Furnace	169.91	24.73
23 54 13 00-0015	EA	15 KW Heating Coil For Air Handler/Electric Furnace	228.15	26.78
23 54 13 00-0016	EA	20 KW Heating Coil For Air Handler/Electric Furnace	246.39	28.85
23 54 16		**Fuel-Fired Furnaces** *(23 54)*		
23 54 16 13		**Gas-Fired Furnaces** *(23 54 16)*		
23 54 16 13-0001		Natural Gas Fired Forced Air Furnaces *(23 54 16 13)*		
		Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.		
23 54 16 13-0002		Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace *(23 54 16 13-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 16 13-0003	EA	40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,169.84	69.46
23 54 16 13-0004	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,249.52	79.39
23 54 16 13-0005	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,440.20	89.31
23 54 16 13-0006	EA	100 MBH. 1,600 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,686.59	109.16
23 54 16 13-0007	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,801.28	119.07
23 54 16 13-0008		Up/Horizontal Flow Variable Speed, Two Stage 95% AFUE Gas Furnace *(23 54 16 13-0001)*		
23 54 16 13-0009	EA	40 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,297.83	69.46
23 54 16 13-0010	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,423.52	79.39
23 54 16 13-0011	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,512.97	89.31
23 54 16 13-0012	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3.5 tons.	1,641.90	99.23
23 54 16 13-0013	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,787.59	109.16
23 54 16 13-0014	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,887.28	119.07
23 54 16 13-0015		Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace *(23 54 16 13-0001)*		
23 54 16 13-0016	EA	45 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,147.79	69.46
23 54 16 13-0017	EA	70 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,317.48	79.39
23 54 16 13-0018	EA	90 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,436.86	99.23
23 54 16 13-0019	EA	90 MBH, 2,000 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,536.55	109.16
23 54 16 13-0020		Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace *(23 54 16 13-0001)*		
23 54 16 13-0021	EA	40 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,493.83	69.46
23 54 16 13-0022	EA	60 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,577.52	79.39
23 54 16 13-0023	EA	80 MBH, 1,600 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,757.20	89.31
23 54 16 13-0024	EA	100 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,926.59	109.16
23 54 16 13-0025	EA	120 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,066.28	119.07
23 54 16 13-0026		Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace *(23 54 16 13-0001)*		
23 54 16 13-0027	EA	40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,047.83	69.46
23 54 16 13-0028	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,108.52	79.39
23 54 16 13-0029	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,237.20	89.31
23 54 16 13-0030	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,247.20	89.31
23 54 16 13-0031	EA	80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,361.90	99.23
23 54 16 13-0032	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,438.59	109.16
23 54 16 13-0033	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,527.28	119.07
23 54 16 13-0034		Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace *(23 54 16 13-0001)*		
23 54 16 13-0035	EA	40 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	740.83	69.46
23 54 16 13-0036	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	812.52	79.39
23 54 16 13-0037	EA	60 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	928.20	89.31
23 54 16 13-0038	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	929.20	89.31
23 54 16 13-0039	EA	80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,020.90	99.23
23 54 16 13-0040	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,052.59	109.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 16 13-0041	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,168.28	119.07
23 54 16 13-0042		Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace *(23 54 16 13-0001)*		
23 54 16 13-0043	EA	40 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	750.83	69.46
23 54 16 13-0044	EA	60 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	815.52	79.39
23 54 16 13-0045	EA	80 MBH, 1,600 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	973.20	89.31
23 54 16 13-0046	EA	100 MBH, 2,000 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,071.90	99.23
23 54 16 13-0047		75% AFUE Gas Wall/Recessed Furnace *(23 54 16 13-0001)*		
23 54 16 13-0048	EA	35 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace	1,239.10	59.54
23 54 16 13-0049	EA	55 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace	1,433.64	74.46
23 54 16 13-0050	EA	35 MBH 75% AFUE Gas Wall/Recessed Furnace	1,124.10	59.54
23 54 16 13-0051	EA	40 MBH 75% AFUE Gas Wall/Recessed Furnace	1,201.94	64.54
23 54 16 13-0052	EA	50 MBH 75% AFUE Gas Wall/Recessed Furnace	1,194.79	69.46
23 54 16 13-0053	EA	65 MBH 75% AFUE Gas Wall/Recessed Furnace	1,232.69	74.46
23 54 16 13-0054	EA	75 MBH 75% AFUE Gas Wall/Recessed Furnace	1,274.77	74.46
23 54 16 13-0055		Gas Fired Indoor Duct Furnace *(23 54 16 13-0001)* Note: Includes burner, controls and electronic ignition.		
23 54 16 13-0056		Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace *(23 54 16 13-0055)*		
23 54 16 13-0057	EA	100 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	1,393.97	154.80
23 54 16 13-0058	EA	150 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	1,559.13	190.52
23 54 16 13-0059	EA	200 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	1,790.03	273.87
23 54 16 13-0060	EA	250 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	2,019.21	309.59
23 54 16 13-0061	EA	300 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	2,352.22	357.21
23 54 16 13-0062	EA	350 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	2,597.58	428.66
23 54 16 13-0063	EA	400 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	2,992.29	571.55
23 54 16 13-0064		Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace *(23 54 16 13-0055)* Note: Includes burner, controls and electronic ignition.		
23 54 16 13-0065	EA	100 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	1,554.77	154.80
23 54 16 13-0066	EA	150 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	1,717.53	190.52
23 54 16 13-0067	EA	200 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	2,007.63	273.87
23 54 16 13-0068	EA	250 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	2,276.01	309.59
23 54 16 13-0069	EA	300 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	2,795.42	357.21
23 54 16 13-0070	EA	350 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,078.38	428.66
23 54 16 13-0071	EA	400 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,446.68	571.55
23 54 16 16		**Oil-Fired Furnaces** *(23 54 16)*		
23 54 16 16-0001		Oil Fired Forced Air Furnaces *(23 54 16 16)* Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.		
23 54 16 16-0002		Up Flow Single Speed, One Stage 81% AFUE Oil Furnace *(23 54 16 16-0001)*		
23 54 16 16-0003	EA	72 MBH, 1,220 CFM Up Flow Single Speed, One Stage 84% AFUE Oil Furnace Note: Blower cooling capacity up to 3 tons.	1,989.52	79.39
23 54 16 16-0004	EA	95 MBH, 1,590 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 4 tons.	2,130.59	109.16
23 54 16 16-0005	EA	126 MBH, 1,835 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 5 tons.	2,460.98	128.99
23 54 16 16-0006		Down/Horizontal Flow Single Speed, One Stage 81% AFUE Oil Furnace *(23 54 16 16-0001)*		
23 54 16 16-0007	EA	95 MBH, 1,210 CFM Down/Horizontal Flow Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 3 tons.	2,316.59	109.16
23 54 16 16-0008	EA	126 MBH, 2,005 CFM Down/Horizontal Flow Single Speed, One Stage 84% AFUE Oil Furnace Note: Blower cooling capacity up to 5 tons.	2,347.98	128.99
23 54 16 16-0009		Up Flow Lowboy Single Speed, One Stage 81% AFUE Oil Furnace *(23 54 16 16-0001)*		
23 54 16 16-0010	EA	95 MBH, 1,550 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 4 tons.	2,012.59	109.16
23 54 16 16-0011	EA	127 MBH, 2,130 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 5 tons.	2,388.98	128.99
23 54 19		**Furnace Accessories** *(23 54)*		
23 54 19 00-0001	EA	LP Gas Furnace Conversion Kit	124.38	19.85
23 54 19 00-0002	EA	1" Furnace External Filter Rack	36.84	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 19 00-0003	EA	Remove And Reinstall Forced Air Furnace Note: Includes storage and cleaning. Excludes ductwork.	367.51	

23 55 Fuel-Fired Heaters *(23 50)*

23 55 23 Gas-Fired Radiant Heaters *(23 55)*

23 55 23 13 Low-Intensity Gas-Fired Radiant Heaters *(23 55 23)*

23 55 23 13-0001 Infrared Heaters-Radiant Energy *(23 55 23 13)*
Note: For spot localized or total heating, ceiling hung units, no fan required.

23 55 23 13-0002 Gas Fired Electric Ignition Infrared Gas Heater *(23 55 23 13-0001)*
Note: Ceramic combustion, surface chromized wire screen aluminized steel housing and polished aluminum reflector.

23 55 23 13-0003	EA	15,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	679.57	81.33
23 55 23 13-0004	EA	37,500 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	751.23	89.46
23 55 23 13-0005	EA	50,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	803.19	89.46
23 55 23 13-0006	EA	75,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	1,007.12	107.36
23 55 23 13-0007	EA	100,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	1,015.88	107.36

23 55 23 13-0008 Rolled Steel Or Aluminum Housing Infrared Electric Heater *(23 55 23 13-0001)*
Note: Anodized aluminum reflector and quartz/tungsten tubular element with an inner heavy-duty coiled element.

23 55 23 13-0009	EA	1,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	760.46	87.32
		For Stainless Steel Housing, Add	*123.97*	
23 55 23 13-0010	EA	3,200 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	813.86	87.32
		For Stainless Steel Housing, Add	*137.32*	
23 55 23 13-0011	EA	5,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	874.89	87.32
		For Stainless Steel Housing, Add	*152.57*	
23 55 23 13-0012	EA	7,300 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	948.26	87.32
		For Stainless Steel Housing, Add	*170.92*	
23 55 23 13-0013	EA	10,950 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,035.67	95.26
		For Stainless Steel Housing, Add	*190.45*	
23 55 23 13-0014	EA	13,500 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,106.44	103.19
		For Stainless Steel Housing, Add	*205.10*	
23 55 23 13-0015	EA	24,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,782.82	111.14
		For Stainless Steel Housing, Add	*366.25*	

23 55 23 13-0016 Gas Fired Tubular Infrared Heater *(23 55 23 13-0001)*
Note: Includes controls and supports.

23 55 23 13-0017 "U" Package *(23 55 23 13-0016)*

23 55 23 13-0018	LF	Up To 75 MBH Input Radiant Heater	55.41	4.07
23 55 23 13-0019	LF	76 To 105 MBH Input Radiant Heater	64.01	4.87
23 55 23 13-0020	LF	106 To 130 MBH Input Radiant Heater	77.99	5.69

23 55 23 13-0021 "S" Straight Package *(23 55 23 13-0016)*

23 55 23 13-0022	LF	Up To 75 MBH Input Radiant Heater	45.14	3.25
23 55 23 13-0023	LF	76 To 105 MBH Input Radiant Heater	57.26	4.07
23 55 23 13-0024	LF	106 To 130 MBH Input Radiant Heater	69.38	4.87

23 55 33 Fuel-Fired Unit Heaters *(23 55)*

23 55 33 00-0001 Gas Fired Unit Heaters *(23 55 33)*

23 55 33 00-0002 Horizontal Fan Propelled Gas Fired Unit Heaters, 115 Volt *(23 55 33 00-0001)*

23 55 33 00-0003	EA	24.3 MBH Output, 30 MBH Input, 500 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	1,221.85	140.39
23 55 33 00-0004	EA	36.5 MBH Output, 45 MBH Input, 750 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	1,342.67	168.47
23 55 33 00-0005	EA	48.6 MBH Output, 60 MBH Input, 1,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	1,362.38	168.47
23 55 33 00-0006	EA	60.8 MBH Output, 75 MBH Input, 1,250 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	1,492.71	196.55
23 55 33 00-0007	EA	72.9 MBH Output, 90 MBH Input, 1,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	1,645.08	224.63
23 55 33 00-0008	EA	81 MBH Output, 100 MBH Input, 1,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	1,764.64	238.67
23 55 33 00-0009	EA	101.3 MBH Output, 125 MBH Input, 2,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	1,814.35	238.67
23 55 33 00-0010	EA	121.5 MBH Output, 150 MBH Input, 2,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	1,771.75	238.67
23 55 33 00-0011	EA	141.8 MBH Output, 175 MBH Input, 2,850 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	2,095.64	252.71
23 55 33 00-0012	EA	162 MBH Output, 200 MBH Input, 3,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	2,289.69	252.71
23 55 33 00-0013	EA	202.5 MBH Output, 250 MBH Input, 3,450 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	2,450.61	252.71
23 55 33 00-0014	EA	243 MBH Output, 300 MBH Input, 5,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	2,921.79	280.79
23 55 33 00-0015	EA	283.5 MBH Output, 350 MBH Input, 5,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,286.23	280.79
23 55 33 00-0016	EA	324 MBH Output, 400 MBH Input, 5,800 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,528.49	308.87

23 55 33 00-0017 Oil Fired Unit Heater *(23 55 33)*

23 55 33 00-0018 Horizontal Fan Propelled Oil Fired Unit Heater, 115 Volt *(23 55 33 00-0017)*

23 55 33 00-0019	EA	97 MBH Output, 2,000 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	4,820.67	374.38
23 55 33 00-0020	EA	142 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	5,174.70	411.81
23 55 33 00-0021	EA	188 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	5,560.62	449.25

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 55 33 00-0022		Removal And Reinstallation Of Unit Heaters *(23 55 33)* Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 55 33 00-0023	EA	Remove And Reinstall Up To 101.3 MBH Output Gas or Oil Unit Heater	467.64	
23 55 33 00-0024	EA	Remove And Reinstall >101.3 MBH Output Gas or Oil Unit Heater	630.29	

23 57 Heat Exchangers for HVAC *(23 50)*

23 57 13 Steam-To-Steam Heat Exchangers *(23 57)*

23 57 13 00-0001		Steam Generator Heat Exchanger *(23 57 13)* Note: 35 PSI generated steam using 180 degree feed water; 400 degree F water to valve.		
23 57 13 00-0002	EA	75 LB/Hour Steam Generator Heat Exchanger, 35 PSI	11,599.63	1,301.25
23 57 13 00-0003	EA	300 LB/Hour Steam Generator Heat Exchanger, 35 PSI	15,468.22	1,382.57
23 57 13 00-0004	EA	525 LB/Hour Steam Generator Heat Exchanger, 35 PSI	20,776.52	1,703.87

23 57 16 Steam-To-Water Heat Exchangers *(23 57)*

23 57 16 00-0001		Heat Exchanger, Hot Water 40 To 180 Degree By Steam 10 PSI *(23 57 16)* Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes. Excludes controls expansion tank and accessories.		
23 57 16 00-0002	EA	8 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	1,342.62	203.32
		For Bronze Head And Tube Sheet, Add	*482.18*	
		For Copper Nickel Tubes, Add	*107.15*	
		For Double Wall Tube Bundles, Add	*160.73*	
23 57 16 00-0003	EA	10 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	1,947.90	203.32
		For Bronze Head And Tube Sheet, Add	*730.17*	
		For Copper Nickel Tubes, Add	*162.26*	
		For Double Wall Tube Bundles, Add	*243.39*	
23 57 16 00-0004	EA	40 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	2,917.06	284.65
		For Bronze Head And Tube Sheet, Add	*1,129.69*	
		For Copper Nickel Tubes, Add	*251.04*	
		For Double Wall Tube Bundles, Add	*376.56*	
23 57 16 00-0005	EA	64 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	4,640.14	284.65
		For Bronze Head And Tube Sheet, Add	*1,722.09*	
		For Copper Nickel Tubes, Add	*382.69*	
		For Double Wall Tube Bundles, Add	*574.03*	
23 57 16 00-0006	EA	96 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	6,098.67	335.07
		For Bronze Head And Tube Sheet, Add	*2,286.93*	
		For Copper Nickel Tubes, Add	*508.21*	
		For Double Wall Tube Bundles, Add	*762.31*	
23 57 16 00-0007	EA	120 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	8,015.19	422.40
		For Bronze Head And Tube Sheet, Add	*3,003.32*	
		For Copper Nickel Tubes, Add	*667.40*	
		For Double Wall Tube Bundles, Add	*1,001.11*	
23 57 16 00-0008	EA	168 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	9,917.67	634.00
		For Bronze Head And Tube Sheet, Add	*3,678.38*	
		For Copper Nickel Tubes, Add	*817.42*	
		For Double Wall Tube Bundles, Add	*1,226.13*	
23 57 16 00-0009	EA	240 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	14,915.17	634.00
		For Bronze Head And Tube Sheet, Add	*5,731.11*	
		For Copper Nickel Tubes, Add	*1,273.58*	
		For Double Wall Tube Bundles, Add	*1,910.37*	

23 57 19 Liquid-To-Liquid Heat Exchangers *(23 57)*

23 57 19 13 Plate-Type, Liquid-To-Liquid Heat Exchangers *(23 57 19)*

23 57 19 13-0001		Plate And Frame Heat Exchanger *(23 57 19 13)*		
23 57 19 13-0002	EA	8" W x 18-7/8"H Plate And Frame Heat Exchanger	2,112.25	203.32
23 57 19 13-0003	EA	8" W x 24-9/16"H Plate And Frame Heat Exchanger	2,777.85	203.32
23 57 19 13-0004	EA	11-3/16" W x 34-11/16"H Plate And Frame Heat Exchanger	3,691.14	243.98
23 57 19 13-0005	EA	16-3/4" W x 46-1/4"H Plate And Frame Heat Exchanger	4,979.87	264.32
23 57 19 13-0006	EA	16-1/2" W x 49-5/8"H Plate And Frame Heat Exchanger	5,437.48	264.32
23 57 19 13-0007	EA	24" W x 57-11/16"H Plate And Frame Heat Exchanger	7,059.00	284.65
23 57 19 13-0008	EA	26-5/16" W x 56-5/8"H Plate And Frame Heat Exchanger	7,433.41	284.65
23 57 19 13-0009	EA	24-1/4" W x 68-3/8"H Plate And Frame Heat Exchanger	9,178.67	325.31
23 57 19 13-0010	EA	24" W x 69-11/16"H Plate And Frame Heat Exchanger	11,215.15	365.97
23 57 19 13-0011	EA	26-5/16" W x 68-3/4"H Plate And Frame Heat Exchanger	11,631.16	365.97
23 57 19 13-0012	EA	24" W x 89-13/16"H Plate And Frame Heat Exchanger	14,391.82	427.95
23 57 19 13-0013	EA	26-5/16" W x 88-9/16"H Plate And Frame Heat Exchanger	17,349.29	470.67
23 57 19 13-0014	EA	40-13/16" W x 89-1/4"H Plate And Frame Heat Exchanger	20,015.47	513.38

23 57 19 19 Water-To-Water Heat Exchanger *(23 57 19)*

23 57 19 19-0001		Heat Exchanger Hot Water 40-140 Degree By Water At 200 Degree F *(23 57 19 19)* Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 57 19 19-0002	EA	7 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	1,587.54	203.32
		For Copper Nickel Tubes, Add	*131.64*	
		For Double Wall Tube Bundles, Add	*197.47*	
23 57 19 19-0003	EA	16 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	2,192.82	203.32
		For Copper Nickel Tubes, Add	*186.75*	
		For Double Wall Tube Bundles, Add	*280.13*	
23 57 19 19-0004	EA	34 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	3,253.82	284.65
		For Copper Nickel Tubes, Add	*284.72*	
		For Double Wall Tube Bundles, Add	*427.08*	
23 57 19 19-0005	EA	55 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	4,644.57	284.65
		For Copper Nickel Tubes, Add	*410.24*	
		For Double Wall Tube Bundles, Add	*615.36*	
23 57 19 19-0006	EA	74 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	5,758.65	325.31
		For Copper Nickel Tubes, Add	*505.15*	
		For Double Wall Tube Bundles, Add	*757.72*	
23 57 19 19-0007	EA	86 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	7,652.58	325.31
		For Copper Nickel Tubes, Add	*679.65*	
		For Double Wall Tube Bundles, Add	*1,019.48*	
23 57 19 19-0008	EA	112 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	9,475.29	317.00
		For Copper Nickel Tubes, Add	*844.97*	
		For Double Wall Tube Bundles, Add	*1,267.46*	
23 57 19 19-0009	EA	126 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	11,776.87	317.00
		For Copper Nickel Tubes, Add	*1,053.15*	
		For Double Wall Tube Bundles, Add	*1,579.73*	
23 57 19 19-0010	EA	152 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	15,055.54	317.00
		For Copper Nickel Tubes, Add	*1,347.05*	
		For Double Wall Tube Bundles, Add	*2,020.58*	

23 57 19 23 Refrigerant-To-Water Heat Exchanger *(23 57 19)*

23 57 19 23-0001 Heat Exchanger Refrigerant To Water *(23 57 19 23)*

23 57 19 23-0002	EA	10 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	1,798.92	162.65
		For Copper Nickel Tubes, Add	*147.36*	
		For Double Wall Tube Bundles, Add	*221.04*	
23 57 19 23-0003	EA	53 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	4,709.80	271.07
		For Copper Nickel Tubes, Add	*416.76*	
		For Double Wall Tube Bundles, Add	*625.14*	
23 57 19 23-0004	EA	70 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	6,340.03	353.61
		For Copper Nickel Tubes, Add	*563.41*	
		For Double Wall Tube Bundles, Add	*845.11*	
23 57 19 23-0005	EA	87 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	6,825.99	428.03
		For Copper Nickel Tubes, Add	*597.17*	
		For Double Wall Tube Bundles, Add	*895.76*	
23 57 19 23-0006	EA	105 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	8,228.22	503.47
		For Copper Nickel Tubes, Add	*720.50*	
		For Double Wall Tube Bundles, Add	*1,080.76*	

23 60 Central Cooling Equipment *(23)*

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 00-0001 for disconnect.

23 61 Refrigerant Compressors *(23 60)*

23 61 16 Reciprocating Refrigerant Compressors *(23 61)*

23 61 16 00-0001 Reciprocating Open Type Refrigerant Compressors *(23 61 16)*

Note: Includes manual reversible oil pump and automatic pressure regulator. Excludes muffler, vibration isolators, crank case oil heaters, couplings and flywheel.

23 61 16 00-0002	EA	1/4 Ton Refrigerant Compressor, Reciprocating Open Type	381.69	78.22
23 61 16 00-0003	EA	1/3 Ton Refrigerant Compressor, Reciprocating Open Type	443.82	78.22
23 61 16 00-0004	EA	1/2 Ton Refrigerant Compressor, Reciprocating Open Type	596.85	97.75
23 61 16 00-0005	EA	3/4 Ton Refrigerant Compressor, Reciprocating Open Type	725.00	97.75
23 61 16 00-0006	EA	1 Ton Refrigerant Compressor, Reciprocating Open Type	802.67	97.75
23 61 16 00-0007	EA	1-1/4 Ton Refrigerant Compressor, Reciprocating Open Type	815.02	101.69
23 61 16 00-0008	EA	1-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	819.55	101.69
23 61 16 00-0009	EA	1-3/4 Ton Refrigerant Compressor, Reciprocating Open Type	898.63	109.51
23 61 16 00-0010	EA	2 Ton Refrigerant Compressor, Reciprocating Open Type	966.06	117.34
23 61 16 00-0011	EA	2-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	1,051.59	125.16
23 61 16 00-0012	EA	3 Ton Refrigerant Compressor, Reciprocating Open Type	1,184.92	125.16
23 61 16 00-0013	EA	3-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	1,324.83	132.98
23 61 16 00-0014	EA	4 Ton Refrigerant Compressor, Reciprocating Open Type	1,356.03	140.81
23 61 16 00-0015	EA	4-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	1,379.37	144.68
23 61 16 00-0016	EA	5 Ton Refrigerant Compressor, Reciprocating Open Type	2,269.88	757.38
23 61 16 00-0017	EA	7.5 Ton Refrigerant Compressor, Reciprocating Open Type	3,295.05	865.54
23 61 16 00-0018	EA	10 Ton Refrigerant Compressor, Reciprocating Open Type	4,320.33	973.77
23 61 16 00-0019	EA	12.5 Ton Refrigerant Compressor, Reciprocating Open Type	5,601.92	1,054.85
23 61 16 00-0020	EA	15 Ton Refrigerant Compressor, Reciprocating Open Type	6,883.73	1,136.07
23 61 16 00-0021	EA	20 Ton Refrigerant Compressor, Reciprocating Open Type	8,260.48	1,363.29
23 61 16 00-0022	EA	25 Ton Refrigerant Compressor, Reciprocating Open Type	9,859.54	1,465.27
23 61 16 00-0023	EA	30 Ton Refrigerant Compressor, Reciprocating Open Type	11,387.47	1,549.19
23 61 16 00-0024	EA	50 Ton Refrigerant Compressor, Reciprocating Open Type	14,792.43	1,747.82
23 61 16 00-0025	EA	60 Ton Refrigerant Compressor, Reciprocating Open Type	17,321.01	1,793.66

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 61 16 00-0026	EA	70 Ton Refrigerant Compressor, Reciprocating Open Type	21,489.14	1,839.42
23 61 16 00-0027	EA	75 Ton Refrigerant Compressor, Reciprocating Open Type	22,535.94	1,862.38
23 61 16 00-0028	EA	80 Ton Refrigerant Compressor, Reciprocating Open Type	23,539.53	1,885.27
23 61 16 00-0029	EA	90 Ton Refrigerant Compressor, Reciprocating Open Type	25,419.11	1,931.03
23 61 16 00-0030	EA	100 Ton Refrigerant Compressor, Reciprocating Open Type	27,128.51	1,976.93
23 61 16 00-0031	EA	110 Ton Refrigerant Compressor, Reciprocating Open Type	29,107.77	2,214.43
23 61 16 00-0032	EA	120 Ton Refrigerant Compressor, Reciprocating Open Type	30,476.56	2,263.98
23 61 16 00-0033	EA	130 Ton Refrigerant Compressor, Reciprocating Open Type	31,643.81	2,292.81
23 61 16 00-0034	EA	140 Ton Refrigerant Compressor, Reciprocating Open Type	32,702.79	2,363.75
23 61 16 00-0035	EA	150 Ton Refrigerant Compressor, Reciprocating Open Type	33,557.67	2,413.30
23 61 16 00-0036	EA	175 Ton Refrigerant Compressor, Reciprocating Open Type	34,436.86	2,479.44
23 61 16 00-0037	EA	185 Ton Refrigerant Compressor, Reciprocating Open Type	35,256.12	2,506.10
23 61 16 00-0038	EA	200 Ton Refrigerant Compressor, Reciprocating Open Type	36,098.44	2,547.57
23 61 16 00-0039	EA	225 Ton Refrigerant Compressor, Reciprocating Open Type	37,145.80	2,719.38
23 61 16 00-0040	EA	250 Ton Refrigerant Compressor, Reciprocating Open Type	38,152.18	2,865.97

23 61 16 00-0041 Reciprocating Hermetic Type Refrigerant Compressors *(23 61 16)*

Note: Includes automatic reversible oil pump, suction and discharge shut-off valves, device for loading and unloading compressor cylinders and crank case oil heater. Excludes mufflers and vibration isolators.

23 61 16 00-0042 Reciprocating Hermetic Type Refrigerant Compressors <5 Tons *(23 61 16 00-0041)*

23 61 16 00-0043	EA	1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	619.33	78.22
23 61 16 00-0044	EA	1/3 Ton Refrigerant Compressor, Reciprocating Hermetic Type	639.02	78.22
23 61 16 00-0045	EA	1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	697.83	97.75
23 61 16 00-0046	EA	3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	717.53	97.75
23 61 16 00-0047	EA	1 Ton Refrigerant Compressor, Reciprocating Hermetic Type	727.37	97.75
23 61 16 00-0048	EA	1-1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	750.95	101.69
23 61 16 00-0049	EA	1-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	772.62	101.69
23 61 16 00-0050	EA	1-3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	829.63	109.51
23 61 16 00-0051	EA	2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	884.68	117.34
23 61 16 00-0052	EA	2-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	959.40	125.16
23 61 16 00-0053	EA	3 Ton Refrigerant Compressor, Reciprocating Hermetic Type	998.79	125.16
23 61 16 00-0054	EA	3-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,073.52	132.98
23 61 16 00-0055	EA	4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,266.45	140.81
23 61 16 00-0056	EA	4-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,382.59	144.68

23 61 16 00-0057 Reciprocating Hermetic Type Refrigerant Compressors *(23 61 16 00-0041)*

23 61 16 00-0058	EA	5 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,792.63	389.51
23 61 16 00-0059	EA	10 Ton Refrigerant Compressor, Reciprocating Hermetic Type	3,319.16	486.89
23 61 16 00-0060	EA	15 Ton Refrigerant Compressor, Reciprocating Hermetic Type	5,462.83	592.74
23 61 16 00-0061	EA	20 Ton Refrigerant Compressor, Reciprocating Hermetic Type	6,932.24	681.64
23 61 16 00-0062	EA	25 Ton Refrigerant Compressor, Reciprocating Hermetic Type	7,657.65	757.38
23 61 16 00-0063	EA	30 Ton Refrigerant Compressor, Reciprocating Hermetic Type	8,494.55	852.06
23 61 16 00-0064	EA	35 Ton Refrigerant Compressor, Reciprocating Hermetic Type	10,940.68	973.77
23 61 16 00-0065	EA	40 Ton Refrigerant Compressor, Reciprocating Hermetic Type	13,970.70	973.77
23 61 16 00-0066	EA	50 Ton Refrigerant Compressor, Reciprocating Hermetic Type	17,231.05	1,136.07
23 61 16 00-0067	EA	60 Ton Refrigerant Compressor, Reciprocating Hermetic Type	19,376.77	1,217.22
23 61 16 00-0068	EA	70 Ton Refrigerant Compressor, Reciprocating Hermetic Type	20,469.34	1,275.63
23 61 16 00-0069	EA	75 Ton Refrigerant Compressor, Reciprocating Hermetic Type	21,053.01	1,338.65
23 61 16 00-0070	EA	80 Ton Refrigerant Compressor, Reciprocating Hermetic Type	21,638.91	1,343.84
23 61 16 00-0071	EA	90 Ton Refrigerant Compressor, Reciprocating Hermetic Type	22,728.60	1,407.07
23 61 16 00-0072	EA	100 Ton Refrigerant Compressor, Reciprocating Hermetic Type	23,827.13	1,465.27

23 61 19 Scroll Refrigerant Compressors *(23 61)*

23 61 19 00-0001 Scroll Refrigerant Compressors *(23 61 19)*

23 61 19 00-0002	EA	Up To 3 Ton Scroll Refrigerant Compressor	942.44	125.01
23 61 19 00-0003	EA	3.5 Ton Scroll Refrigerant Compressor	988.50	133.05
23 61 19 00-0004	EA	4 Ton Scroll Refrigerant Compressor	1,013.45	140.73
23 61 19 00-0005	EA	4.5 Ton Scroll Refrigerant Compressor	1,033.48	144.75
23 61 19 00-0006	EA	5 Ton Scroll Refrigerant Compressor	1,280.97	182.77
23 61 19 00-0007	EA	7.5 Ton Scroll Refrigerant Compressor	2,426.76	274.15
23 61 19 00-0008	EA	8.75 Ton Scroll Refrigerant Compressor	2,777.65	319.84
23 61 19 00-0009	EA	10 Ton Scroll Refrigerant Compressor	3,113.27	365.53
23 61 19 00-0010	EA	12 Ton Scroll Refrigerant Compressor	3,762.00	438.63
23 61 19 00-0011	EA	13.5 Ton Scroll Refrigerant Compressor	4,431.75	493.46
23 61 19 00-0012	EA	15 Ton Scroll Refrigerant Compressor	5,192.97	548.30
23 61 19 00-0013	EA	20 Ton Scroll Refrigerant Compressor	7,311.63	731.07
23 61 19 00-0014	EA	25 Ton Scroll Refrigerant Compressor	8,258.09	913.82
23 61 19 00-0015	EA	30 Ton Scroll Refrigerant Compressor	8,849.73	1,096.59

23 61 23 Rotary-Screw Refrigerant Compressors *(23 61)*

23 61 23 00-0001 Rotary Screw Type Refrigerant Compressors *(23 61 23)*

23 61 23 00-0002	EA	75 Ton Refrigerant Compressor, Rotary Screw Type	24,707.95	1,862.38
23 61 23 00-0003	EA	80 Ton Refrigerant Compressor, Rotary Screw Type	25,448.81	1,885.27
23 61 23 00-0004	EA	90 Ton Refrigerant Compressor, Rotary Screw Type	27,053.46	1,931.03
23 61 23 00-0005	EA	100 Ton Refrigerant Compressor, Rotary Screw Type	28,642.21	1,976.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 61 23 00-0006	EA	110 Ton Refrigerant Compressor, Rotary Screw Type	30,941.06	2,214.43
23 61 23 00-0007	EA	120 Ton Refrigerant Compressor, Rotary Screw Type	32,801.39	2,263.98
23 61 23 00-0008	EA	130 Ton Refrigerant Compressor, Rotary Screw Type	34,614.68	2,292.81
23 61 23 00-0009	EA	140 Ton Refrigerant Compressor, Rotary Screw Type	36,510.83	2,363.75
23 61 23 00-0010	EA	150 Ton Refrigerant Compressor, Rotary Screw Type	38,369.31	2,413.30
23 61 23 00-0011	EA	170 Ton Refrigerant Compressor, Rotary Screw Type	40,982.22	2,479.44
23 61 23 00-0012	EA	185 Ton Refrigerant Compressor, Rotary Screw Type	42,812.79	2,506.10
23 61 23 00-0013	EA	200 Ton Refrigerant Compressor, Rotary Screw Type	43,673.38	2,547.57
23 61 23 00-0014	EA	215 Ton Refrigerant Compressor, Rotary Screw Type	48,977.98	2,719.38
23 61 23 00-0015	EA	225 Ton Refrigerant Compressor, Rotary Screw Type	54,194.84	2,865.97

23 62 Packaged Compressor and Condenser Units *(23 60)*

23 62 13 Packaged Air-Cooled Refrigerant Compressor and Condenser Units *(23 62)*

23 62 13 00-0001 Combination Direct-Expansion Liquid Cooler And Compressors *(23 62 13)*

Note: Shell and tube type. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.

23 62 13 00-0002	EA	1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	5,611.74	337.75
23 62 13 00-0003	EA	5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	13,309.41	337.75
23 62 13 00-0004	EA	10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	23,944.10	337.75
23 62 13 00-0005	EA	15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	28,523.43	386.00
23 62 13 00-0006	EA	20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	34,077.12	482.50
23 62 13 00-0007	EA	25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	37,839.47	587.04
23 62 13 00-0008	EA	30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	38,899.60	691.20
23 62 13 00-0009	EA	40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	41,764.08	784.47
23 62 13 00-0010	EA	50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	44,505.31	822.10
23 62 13 00-0011	EA	60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	51,204.54	972.59
23 62 13 00-0012	EA	75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	57,928.75	1,120.68
23 62 13 00-0013	EA	80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	61,200.48	1,128.25
23 62 13 00-0014	EA	90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	69,270.74	1,204.81
23 62 13 00-0015	EA	100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	75,829.98	1,276.53

23 62 13 00-0016 Direct-Expansion Liquid Cooler Shell And Tube Type *(23 62 13)*

Note: For built-up systems. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Excludes compressors. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.

23 62 13 00-0017	EA	1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	5,320.69	337.75
23 62 13 00-0018	EA	5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	11,652.84	337.75
23 62 13 00-0019	EA	10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	18,584.86	337.75
23 62 13 00-0020	EA	15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	20,130.60	386.00
23 62 13 00-0021	EA	20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	21,749.45	482.50
23 62 13 00-0022	EA	25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	25,923.06	587.04
23 62 13 00-0023	EA	30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	29,428.83	691.20
23 62 13 00-0024	EA	40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	37,866.29	780.87
23 62 13 00-0025	EA	50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	42,479.07	822.10
23 62 13 00-0026	EA	60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	46,288.99	971.39
23 62 13 00-0027	EA	75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	53,060.72	1,120.68
23 62 13 00-0028	EA	80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	56,178.04	1,128.25
23 62 13 00-0029	EA	90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	61,743.36	1,204.81
23 62 13 00-0030	EA	100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	70,606.02	1,276.53

23 62 13 00-0031 Packaged Chiller With Remote Air Cooled Condenser *(23 62 13)*

Note: With remote air cooled condenser rated by cooling capacity, Units are factory assembled package type and include hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, vibration eliminators, phase monitoring for 3 phase units, start-up and equipment rigging. Units include dual compressors. Excludes piping and power wiring.

23 62 13 00-0032	EA	15 Ton Packaged Chiller With Remote Air Cooled Condensers	34,802.67	6,160.68
		For Gas Fired Engine Driven, Add	*6,036.90*	
23 62 13 00-0033	EA	20 Ton Packaged Chiller With Remote Air Cooled Condensers	39,377.73	6,493.68
		For Gas Fired Engine Driven, Add	*6,901.98*	
23 62 13 00-0034	EA	25 Ton Packaged Chiller With Remote Air Cooled Condensers	45,794.65	7,066.59
		For Gas Fired Engine Driven, Add	*8,099.47*	
23 62 13 00-0035	EA	30 Ton Packaged Chiller With Remote Air Cooled Condensers	51,273.65	7,508.30
		For Gas Fired Engine Driven, Add	*9,129.05*	
23 62 13 00-0036	EA	40 Ton Packaged Chiller With Remote Air Cooled Condensers	64,295.00	8,285.01
		For Gas Fired Engine Driven, Add	*11,616.87*	
23 62 13 00-0037	EA	50 Ton Packaged Chiller With Remote Air Cooled Condensers	71,037.56	8,580.87
		For Gas Fired Engine Driven, Add	*12,921.02*	
23 62 13 00-0038	EA	60 Ton Packaged Chiller With Remote Air Cooled Condensers	77,214.54	9,240.95
		For Gas Fired Engine Driven, Add	*14,057.46*	
23 62 13 00-0039	EA	70 Ton Packaged Chiller With Remote Air Cooled Condensers	94,116.46	9,887.50
		For Gas Fired Engine Driven, Add	*17,322.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 62 13 00-0040	EA	75 Ton Packaged Chiller With Remote Air Cooled Condensers	95,236.84	10,078.67
		For Gas Fired Engine Driven, Add	*17,536.32*	
23 62 13 00-0041	EA	80 Ton Packaged Chiller With Remote Air Cooled Condensers	96,912.77	10,516.92
		For Gas Fired Engine Driven, Add	*17,805.81*	
23 62 13 00-0042	EA	90 Ton Packaged Chiller With Remote Air Cooled Condensers	107,674.85	10,994.98
		For Gas Fired Engine Driven, Add	*19,886.55*	
23 62 13 00-0043	EA	100 Ton Packaged Chiller With Remote Air Cooled Condensers	119,266.84	11,518.56
		For Gas Fired Engine Driven, Add	*22,126.45*	
23 62 13 00-0044	EA	110 Ton Packaged Chiller With Remote Air Cooled Condensers	132,378.26	12,094.45
		For Gas Fired Engine Driven, Add	*24,662.39*	
23 62 13 00-0045	EA	120 Ton Packaged Chiller With Remote Air Cooled Condensers	143,213.30	12,731.03
		For Gas Fired Engine Driven, Add	*26,733.96*	
23 62 13 00-0046	EA	140 Ton Packaged Chiller With Remote Air Cooled Condensers	158,168.43	13,438.28
		For Gas Fired Engine Driven, Add	*29,618.95*	

23 62 23 Packaged Water-Cooled Refrigerant Compressor and Condenser Units *(23 62)*

23 62 23 00-0001 Water Cooled Condensing Units *(23 62 23)*

Note: Includes compressor, condenser and motor, and equipment rigging. Excludes piping and power wiring.

23 62 23 00-0002	EA	5 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	4,271.51	520.39
23 62 23 00-0003	EA	10 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	6,468.62	759.99
23 62 23 00-0004	EA	15 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	7,389.62	823.64
23 62 23 00-0005	EA	20 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	9,151.70	988.36
23 62 23 00-0006	EA	30 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	9,919.32	1,162.83
23 62 23 00-0007	EA	60 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	20,760.76	1,716.63
23 62 23 00-0008	EA	80 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	25,745.18	2,071.82
23 62 23 00-0009	EA	120 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	35,393.98	2,266.89

23 63 Refrigerant Condensers *(23 60)*

23 63 13 Air-Cooled Refrigerant Condensers *(23 63)*

23 63 13 00-0001 Air Cooled Condensing Units *(23 63 13)*

Note: Includes compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers and phase monitoring for 3 phase units and equipment rigging. Meets minimum ASHRAE EER requirements. Excludes piping and power wiring.

23 63 13 00-0002	EA	6 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	3,962.91	520.39
		For >10 To 25, Deduct	*-95.24*	
		For >25 To 50, Deduct	*-158.74*	
		For >50, Deduct	*-253.98*	
		For Low Ambient Protection, 0 Degree F, Add	*609.76*	
		For Winter Start Control, Add	*205.81*	
23 63 13 00-0003	EA	7.5 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	4,745.64	617.73
		For >10 To 25, Deduct	*-114.29*	
		For >25 To 50, Deduct	*-190.48*	
		For >50, Deduct	*-304.78*	
		For Low Ambient Protection, 0 Degree F, Add	*538.76*	
		For Winter Start Control, Add	*169.79*	
23 63 13 00-0004	EA	10 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	6,163.35	759.99
		For >10 To 25, Deduct	*-150.34*	
		For >25 To 50, Deduct	*-250.57*	
		For >50, Deduct	*-400.91*	
		For Low Ambient Protection, 0 Degree F, Add	*638.78*	
		For Winter Start Control, Add	*215.42*	
23 63 13 00-0005	EA	12.5 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	7,602.90	790.69
		For >10 To 25, Deduct	*-192.15*	
		For >25 To 50, Deduct	*-320.24*	
		For >50, Deduct	*-512.39*	
		For Low Ambient Protection, 0 Degree F, Add	*747.85*	
		For Winter Start Control, Add	*247.90*	
23 63 13 00-0006	EA	15 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	9,046.30	823.64
		For >10 To 25, Deduct	*-233.95*	
		For >25 To 50, Deduct	*-389.92*	
		For >50, Deduct	*-623.87*	
		For Low Ambient Protection, 0 Degree F, Add	*779.89*	
		For Winter Start Control, Add	*202.78*	
23 63 13 00-0007	EA	20 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	11,648.17	988.36
		For >10 To 25, Deduct	*-304.52*	
		For >25 To 50, Deduct	*-507.53*	
		For >50, Deduct	*-812.05*	
		For Low Ambient Protection, 0 Degree F, Add	*983.42*	
		For Winter Start Control, Add	*251.26*	
23 63 13 00-0008	EA	25 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	13,243.16	1,063.25
		For >10 To 25, Deduct	*-349.01*	
		For >25 To 50, Deduct	*-581.68*	
		For >50, Deduct	*-930.69*	
		For Low Ambient Protection, 0 Degree F, Add	*1,042.23*	
		For Winter Start Control, Add	*277.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 13 00-0009	EA	30 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	15,179.42	1,160.58
		For >10 To 25, Deduct	*-402.70*	
		For >25 To 50, Deduct	*-671.17*	
		For >50, Deduct	*-1,073.87*	
		For Low Ambient Protection, 0 Degree F, Add	*1,110.17*	
		For Winter Start Control, Add	*309.84*	
23 63 13 00-0010	EA	40 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	20,834.74	1,365.50
		For >10 To 25, Deduct	*-561.87*	
		For >25 To 50, Deduct	*-936.44*	
		For >50, Deduct	*-1,498.31*	
		For Low Ambient Protection, 0 Degree F, Add	*1,462.92*	
		For Winter Start Control, Add	*397.88*	
23 63 13 00-0011	EA	50 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	25,307.39	1,716.63
		For >10 To 25, Deduct	*-679.80*	
		For >25 To 50, Deduct	*-1,133.00*	
		For >50, Deduct	*-1,812.80*	
		For Low Ambient Protection, 0 Degree F, Add	*1,568.25*	
		For Winter Start Control, Add	*378.04*	
23 63 13 00-0012	EA	60 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	29,139.32	1,894.63
		For >10 To 25, Deduct	*-788.84*	
		For >25 To 50, Deduct	*-1,314.73*	
		For >50, Deduct	*-2,103.56*	
		For Low Ambient Protection, 0 Degree F, Add	*1,762.98*	
		For Winter Start Control, Add	*415.95*	
23 63 13 00-0013	EA	80 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	37,712.48	2,071.82
		For >10 To 25, Deduct	*-1,035.52*	
		For >25 To 50, Deduct	*-1,725.87*	
		For >50, Deduct	*-2,761.39*	
		For Low Ambient Protection, 0 Degree F, Add	*2,179.48*	
		For Winter Start Control, Add	*492.10*	
23 63 13 00-0014	EA	100 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	51,993.93	1,865.45
		For >10 To 25, Deduct	*-1,445.89*	
		For >25 To 50, Deduct	*-2,409.82*	
		For >50, Deduct	*-3,855.71*	
		For Low Ambient Protection, 0 Degree F, Add	*2,395.27*	
		For Winter Start Control, Add	*620.73*	
23 63 13 00-0015	EA	120 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	64,011.97	1,928.69
		For >10 To 25, Deduct	*-1,802.57*	
		For >25 To 50, Deduct	*-3,004.29*	
		For >50, Deduct	*-4,806.86*	
		For Low Ambient Protection, 0 Degree F, Add	*2,784.13*	

23 63 13 00-0016 Air Cooled Condensing Units *(23 63 13)*

Note: Include compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers, 13 SEER, 1 or 3 phase and equipment rigging. Higher SEER ratings can be obtained by oversizing evaporators. Excludes piping and power wiring.

23 63 13 00-0017	EA	1.5 Ton, 13 SEER, Air Cooled Condensing Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	1,571.72	258.60
		For >10 To 25, Deduct	*-35.51*	
		For >25 To 50, Deduct	*-59.19*	
		For >50, Deduct	*-94.71*	
		For 14 SEER, Add	*248.60*	
		For 16 SEER, Add	*485.37*	
		For 18 SEER, Add	*1,053.60*	
23 63 13 00-0018	EA	2 Ton, 13 SEER, Air Cooled Condensing Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	1,690.24	287.48
		For >10 To 25, Deduct	*-37.78*	
		For >25 To 50, Deduct	*-62.96*	
		For >50, Deduct	*-100.74*	
		For 14 SEER, Add	*264.44*	
		For 16 SEER, Add	*516.29*	
		For 18 SEER, Add	*1,120.72*	
23 63 13 00-0019	EA	2.5 Ton, 13 SEER, Air Cooled Condensing Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	1,793.43	316.22
		For >10 To 25, Deduct	*-39.58*	
		For >25 To 50, Deduct	*-65.97*	
		For >50, Deduct	*-105.55*	
		For 14 SEER, Add	*277.06*	
		For 16 SEER, Add	*540.93*	
		For 18 SEER, Add	*1,174.20*	
23 63 13 00-0020	EA	3 Ton, 13 SEER, Air Cooled Condensing Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	2,060.25	344.80
		For >10 To 25, Deduct	*-46.29*	
		For >25 To 50, Deduct	*-77.15*	
		For >50, Deduct	*-123.44*	
		For 14 SEER, Add	*324.04*	
		For 16 SEER, Add	*632.65*	
		For 18 SEER, Add	*1,373.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 13 00-0021	EA	3.5 Ton, 13 SEER, Air Cooled Condensing Unit	2,181.34	373.72
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	*-48.63*	
		For >25 To 50, Deduct	*-81.05*	
		For >50, Deduct	*-129.68*	
		For 14 SEER, Add	*340.42*	
		For 16 SEER, Add	*664.63*	
		For 18 SEER, Add	*1,442.73*	
23 63 13 00-0022	EA	4 Ton, 13 SEER, Air Cooled Condensing Unit	2,431.54	402.47
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	*-54.84*	
		For >25 To 50, Deduct	*-91.41*	
		For >50, Deduct	*-146.25*	
		For 14 SEER, Add	*383.91*	
		For 16 SEER, Add	*749.54*	
		For 18 SEER, Add	*1,627.04*	
23 63 13 00-0023	EA	5 Ton, 13 SEER, Air Cooled Condensing Unit	2,744.97	431.00
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	*-62.95*	
		For >25 To 50, Deduct	*-104.92*	
		For >50, Deduct	*-167.88*	
		For 14 SEER, Add	*440.68*	
		For 15 SEER, Add	*503.63*	
		For 16 SEER, Add	*860.37*	
		For 18 SEER, Add	*1,867.64*	

23 63 13 00-0024 Removal And Reinstallation Of AC Condensing Unit *(23 63 13)*

Note: Includes storage and cleaning.

23 63 13 00-0025	EA	Remove And Reinstall Air Cooled Condensing Unit Up To 5 Tons	264.60
23 63 13 00-0026	EA	Remove And Reinstall Air Cooled Condensing Unit 7.5 To 15 Tons	992.28
23 63 13 00-0027	EA	Remove And Reinstall Air Cooled Condensing Unit 20 To 40 Tons	1,573.03

23 64 Packaged Water Chillers *(23 60)*

23 64 13 Absorption Water Chillers *(23 64)*

23 64 13 16 Indirect-Fired Absorption Water Chillers *(23 64 13)*

23 64 13 16-0001 Packaged Water Cooled Absorption Chillers (Steam Driven) *(23 64 13 16)*

Note: Includes refrigerant monitor with scanner, audible alarm, and lights, 460 V motor, and all accessories, controls (water temperature controller with PE switches, flow switch, etc.) factory wired and installed control panel, and also includes start-up. Price includes closed transition starter. (rated by cooling capacity in tons). Units are factory assembled package type consisting of motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, controls, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units over 20 tons include dual compressors. Exclude piping and power wiring.

23 64 13 16-0002	EA	50 Ton Absorption Chiller	90,048.92	4,917.69
		For Two Stage Unit, Add	*59,901.92*	
23 64 13 16-0003	EA	100 Ton Absorption Chiller	114,406.72	5,864.01
		For Two Stage Unit, Add	*76,316.89*	
23 64 13 16-0004	EA	150 Ton Absorption Chiller	145,097.30	6,020.35
		For Two Stage Unit, Add	*97,699.82*	
23 64 13 16-0005	EA	200 Ton Absorption Chiller	160,811.84	6,134.87
		For Two Stage Unit, Add	*108,626.41*	
23 64 13 16-0006	EA	250 Ton Absorption Chiller	179,902.64	6,288.63
		For Two Stage Unit, Add	*121,891.16*	
23 64 13 16-0007	EA	300 Ton Absorption Chiller	203,276.78	6,659.67
		For Two Stage Unit, Add	*138,014.67*	
23 64 13 16-0008	EA	350 Ton Absorption Chiller	218,030.54	6,820.60
		For Two Stage Unit, Add	*148,238.87*	
23 64 13 16-0009	EA	400 Ton Absorption Chiller	259,893.30	7,099.44
		For Two Stage Unit, Add	*177,363.65*	
23 64 13 16-0010	EA	500 Ton Absorption Chiller	291,286.60	7,306.23
		For Two Stage Unit, Add	*199,206.09*	
23 64 13 16-0011	EA	650 Ton Absorption Chiller	358,232.03	10,308.83
		For Two Stage Unit, Add	*244,138.63*	
23 64 13 16-0012	EA	750 Ton Absorption Chiller	389,952.98	12,008.71
		For Two Stage Unit, Add	*265,251.08*	
23 64 13 16-0013	EA	850 Ton Absorption Chiller	417,729.97	12,542.37
		For Two Stage Unit, Add	*284,352.04*	
23 64 13 16-0014	EA	950 Ton Absorption Chiller	447,325.73	13,058.52
		For Two Stage Unit, Add	*304,826.93*	
23 64 13 16-0015	EA	1,125 Ton Absorption Chiller	512,237.91	13,511.06
		For Two Stage Unit, Add	*349,977.79*	
23 64 13 16-0016	EA	1,250 Ton Absorption Chiller	560,522.29	13,924.66
		For Two Stage Unit, Add	*383,513.94*	
23 64 13 16-0017	EA	1,450 Ton Absorption Chiller	658,855.27	17,164.97
		For Two Stage Unit, Add	*450,287.20*	
23 64 13 16-0018	EA	1,700 Ton Absorption Chiller	770,256.94	18,074.41
		For Two Stage Unit, Add	*527,690.28*	

23 64 16 Centrifugal Water Chillers *(23 64)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 16 16		**Water-Cooled Centrifugal Water Chillers** *(23 64 16)*		
23 64 16 16-0001		Packaged Water-Cooled Centrifugal Chillers *(23 64 16 16)* Note: Includes integral heat exchanger, refrigerant monitor with scanner, audible alarm, and lights, 460 V motor, controls (water temperature controller with PE switches, flow switch, etc.), start-up, and closed transition starter. Rated by cooling capacity in tons. Units are factory assembled package type consisting of compressor, motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, factory wired and installed control panel, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.		
23 64 16 16-0002	EA	180 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	116,564.52	4,598.03
		For 208/230 Volt Motor, Add	*4,367.14*	
23 64 16 16-0003	EA	200 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	127,456.54	4,714.48
		For 208/230 Volt Motor, Add	*4,795.24*	
23 64 16 16-0004	EA	225 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	140,623.58	4,834.32
		For 208/230 Volt Motor, Add	*5,314.32*	
23 64 16 16-0005	EA	250 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	153,465.65	5,028.13
		For 208/230 Volt Motor, Add	*5,815.55*	
23 64 16 16-0006	EA	275 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	166,006.36	5,312.05
		For 208/230 Volt Motor, Add	*6,298.93*	
23 64 16 16-0007	EA	300 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	178,088.34	5,588.23
		For 208/230 Volt Motor, Add	*6,764.47*	
23 64 16 16-0008	EA	325 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	189,771.49	5,894.63
		For 208/230 Volt Motor, Add	*7,212.11*	
23 64 16 16-0009	EA	350 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	200,984.55	6,185.32
		For 208/230 Volt Motor, Add	*7,641.96*	
23 64 16 16-0010	EA	375 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	211,709.01	6,450.38
		For 208/230 Volt Motor, Add	*8,053.90*	
23 64 16 16-0011	EA	400 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	221,897.70	6,659.67
		For 208/230 Volt Motor, Add	*8,448.00*	
23 64 16 16-0012	EA	425 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	231,833.95	6,989.60
		For 208/230 Volt Motor, Add	*8,824.25*	
23 64 16 16-0013	EA	450 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	241,227.33	7,259.25
		For 208/230 Volt Motor, Add	*9,182.66*	
23 64 16 16-0014	EA	475 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	250,168.89	7,525.44
		For 208/230 Volt Motor, Add	*9,523.22*	
23 64 16 16-0015	EA	500 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	258,567.92	7,731.59
		For 208/230 Volt Motor, Add	*9,845.93*	
23 64 16 16-0016	EA	550 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	273,804.21	8,005.75
		For 208/230 Volt Motor, Add	*10,437.77*	
23 64 16 16-0017	EA	600 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	287,095.02	8,179.83
		For 208/230 Volt Motor, Add	*10,958.22*	
23 64 16 16-0018	EA	650 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	298,969.78	8,584.14
		For 208/230 Volt Motor, Add	*11,407.23*	
23 64 16 16-0019	EA	700 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	309,069.66	8,994.58
		For 208/230 Volt Motor, Add	*11,784.85*	
23 64 16 16-0020	EA	750 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	317,453.74	9,446.12
		For 208/230 Volt Motor, Add	*12,091.20*	
23 64 16 16-0021	EA	800 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	337,208.32	9,901.86
		For 208/230 Volt Motor, Add	*12,852.10*	
23 64 16 16-0022	EA	850 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	356,823.19	10,356.14
		For 208/230 Volt Motor, Add	*13,607.51*	
23 64 16 16-0023	EA	900 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	376,368.29	10,854.02
		For 208/230 Volt Motor, Add	*14,357.32*	
23 64 16 16-0024	EA	950 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	395,852.94	11,402.19
		For 208/230 Volt Motor, Add	*15,101.49*	
23 64 16 16-0025	EA	1,000 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	415,276.96	12,129.91
		For 208/230 Volt Motor, Add	*15,840.00*	
23 64 16 16-0026	EA	1,100 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	450,486.28	13,996.11
		For 208/230 Volt Motor, Add	*17,129.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 16 16-0027	EA	1,200 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	484,368.39	15,867.62
		For 208/230 Volt Motor, Add	*18,366.06*	
23 64 16 16-0028	EA	1,300 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	516,346.97	17,383.63
		For 208/230 Volt Motor, Add	*19,548.83*	
23 64 16 16-0029	EA	1,400 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	546,061.10	18,317.06
		For 208/230 Volt Motor, Add	*20,678.06*	
23 64 16 16-0030	EA	1,500 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	574,384.48	19,219.95
		For 208/230 Volt Motor, Add	*21,753.60*	
23 64 16 16-0031	EA	1,600 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	600,832.95	19,777.10
		For 208/230 Volt Motor, Add	*22,776.12*	
23 64 16 16-0032	EA	1,700 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	627,246.40	21,156.85
		For 208/230 Volt Motor, Add	*23,744.95*	
23 64 16 16-0033	EA	1,800 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	651,768.73	22,188.89
		For 208/230 Volt Motor, Add	*24,660.24*	
23 64 16 16-0034	EA	1,900 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	675,440.37	23,527.90
		For 208/230 Volt Motor, Add	*25,521.99*	
23 64 16 16-0035	EA	2,000 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	696,983.64	24,368.19
		For 208/230 Volt Motor, Add	*26,330.30*	
23 64 16 16-0036	EA	2,250 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	742,355.22	25,747.54
		For 208/230 Volt Motor, Add	*28,117.00*	
23 64 16 16-0037	EA	2,500 Ton Water Cooled Centrifugal Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	782,606.16	27,292.35
		For 208/230 Volt Motor, Add	*29,569.32*	

23 64 19 Reciprocating Water Chillers *(23 64)*

23 64 19 00-0001 Packaged Water Cooled Reciprocating Chiller *(23 64 19)*

Note: With reciprocation compressor integral heat exchanger. Rated by cooling capacity in tons. Units are factory assembled package type and include hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.

23 64 19 00-0002	EA	15 Ton Water Cooled Reciprocating Chiller, Electric, With Integral Heat Exchanger	17,385.85	1,271.99
23 64 19 00-0003	EA	20 Ton Water Cooled Reciprocating Chiller, Electric, With Integral Heat Exchanger	20,450.58	1,500.60
23 64 19 00-0004	EA	25 Ton Water Cooled Reciprocating Chiller, Electric, With Integral Heat Exchanger	22,902.16	1,545.93
23 64 19 00-0005	EA	30 Ton Water Cooled Reciprocating Chiller, Electric, With Integral Heat Exchanger	25,497.70	1,697.11
23 64 19 00-0006	EA	40 Ton Water Cooled Reciprocating Chiller, Electric, With Integral Heat Exchanger	30,906.23	2,145.22
23 64 19 00-0007	EA	50 Ton Water Cooled Reciprocating Chiller, Electric, With Integral Heat Exchanger	35,024.64	2,350.94
23 64 19 00-0008	EA	60 Ton Water Cooled Reciprocating Chiller, Electric, With Integral Heat Exchanger	36,294.25	2,597.49

23 64 23 Scroll Water Chillers *(23 64)*

23 64 23 00-0001 Packaged Scroll Type Air Cooled Chillers *(23 64 23)*

Note: With integral heat exchanger. Rated by cooling capacity, tons. Units are factory assembled package type and include scroll compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, factory charge of refrigerant, start-up and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring. Excludes crane and associated personnel.

23 64 23 00-0002	EA	10 Ton Air Cooled Scroll Compressor Chiller, Electric, With Integral Heat Exchanger	15,082.51	1,183.13
23 64 23 00-0003	EA	15 Ton Air Cooled Scroll Compressor Chiller, Electric, With Integral Heat Exchanger	21,967.74	1,198.30
23 64 23 00-0004	EA	18 Ton Air Cooled Scroll Compressor Chiller, Electric, With Integral Heat Exchanger	23,966.48	1,281.72
23 64 23 00-0005	EA	22 Ton Air Cooled Scroll Compressor Chiller, Electric, With Integral Heat Exchanger	26,353.25	1,372.74
23 64 23 00-0006	EA	25 Ton Air Cooled Scroll Compressor Chiller, Electric, With Integral Heat Exchanger	26,806.46	1,463.75
23 64 23 00-0007	EA	30 Ton Air Cooled Scroll Compressor Chiller, Electric, With Integral Heat Exchanger	28,296.24	1,569.93
23 64 23 00-0008	EA	40 Ton Air Cooled Scroll Compressor Chiller, Electric, With Integral Heat Exchanger	32,320.59	1,698.86
23 64 23 00-0009	EA	45 Ton Air Cooled Scroll Compressor Chiller, Electric, With Integral Heat Exchanger	34,714.24	1,842.96
23 64 23 00-0010	EA	50 Ton Air Cooled Scroll Compressor Chiller, Electric, With Integral Heat Exchanger	36,641.32	1,896.05
23 64 23 00-0011	EA	55 Ton Air Cooled Scroll Compressor Chiller, Electric, With Integral Heat Exchanger	38,268.69	1,979.47
23 64 23 00-0012	EA	60 Ton Air Cooled Scroll Compressor Chiller, Electric, With Integral Heat Exchanger	39,554.68	2,047.73
23 64 23 00-0013	EA	70 Ton Air Cooled Scroll Compressor Chiller, Electric, With Integral Heat Exchanger	45,613.93	2,305.59
23 64 23 00-0014	EA	80 Ton Air Cooled Scroll Compressor Chiller, Electric, With Integral Heat Exchanger	49,116.34	2,525.54
23 64 23 00-0015	EA	90 Ton Air Cooled Scroll Compressor Chiller, Electric, With Integral Heat Exchanger	49,996.08	2,533.12
23 64 23 00-0016	EA	100 Ton Air Cooled Scroll Compressor Chiller, Electric, With Integral Heat Exchanger	52,849.33	2,540.70
23 64 23 00-0017	EA	110 Ton Air Cooled Scroll Compressor Chiller, Electric, With Integral Heat Exchanger	55,625.56	2,548.29
23 64 23 00-0018	EA	120 Ton Air Cooled Scroll Compressor Chiller, Electric, With Integral Heat Exchanger	58,436.29	2,555.87
23 64 23 00-0019	EA	130 Ton Air Cooled Scroll Compressor Chiller, Electric, With Integral Heat Exchanger	61,392.96	2,563.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 23 00-0020		**Packaged Water Cooled Scroll Compressor Chiller** *(23 64 23)* Note: Integral heat exchanger. Rated by cooling capacity in tons. Units are factory assembled package type and include hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.		
23 64 23 00-0021	EA	20 Ton Water Cooled Scroll Compressor Chiller, Electric, With Integral Heat Exchanger	33,317.31	1,500.60
23 64 23 00-0022	EA	25 Ton Water Cooled Scroll Compressor Chiller, Electric, With Integral Heat Exchanger	38,455.33	1,545.93
23 64 23 00-0023	EA	30 Ton Water Cooled Scroll Compressor Chiller, Electric, With Integral Heat Exchanger	42,673.42	1,697.11
23 64 23 00-0024	EA	40 Ton Water Cooled Scroll Compressor Chiller, Electric, With Integral Heat Exchanger	52,406.47	2,145.22
23 64 23 00-0025	EA	50 Ton Water Cooled Scroll Compressor Chiller, Electric, With Integral Heat Exchanger	57,989.89	2,350.94
23 64 23 00-0026	EA	60 Ton Water Cooled Scroll Compressor Chiller, Electric, With Integral Heat Exchanger	60,851.37	2,597.49

23 64 26 Rotary-Screw Water Chillers *(23 64)*

23 64 26 00-0001		**Packaged Rotary/Screw Type Air Cooled Chillers** *(23 64 26)* Note: Includes hermetic direct-drive compressors start-up, coil guards, copper fins, copper tubes, factory wired and installed control panel, refrigerant monitor with scanner, audible alarm, and lights, phase monitoring for 3 phase units, 440/460 V motor, motor starters, factory charge of refrigerant and equipment rigging. Units greater than 20 tons include dual compressors. Excludes crane and associated personnel.		
23 64 26 00-0002	EA	70 Ton Air Cooled Rotary Screw Chiller	88,280.02	2,904.75
		For Aluminum Fins Instead Of Copper, Deduct	*-1,258.90*	
		For 208/230 Volt Motor, Add	*3,357.07*	
23 64 26 00-0003	EA	80 Ton Air Cooled Rotary Screw Chiller	94,866.10	3,155.02
		For Aluminum Fins Instead Of Copper, Deduct	*-1,352.12*	
		For 208/230 Volt Motor, Add	*3,605.65*	
23 64 26 00-0004	EA	90 Ton Air Cooled Rotary Screw Chiller	99,800.29	3,291.53
		For Aluminum Fins Instead Of Copper, Deduct	*-1,422.94*	
		For 208/230 Volt Motor, Add	*3,794.52*	
23 64 26 00-0005	EA	100 Ton Air Cooled Rotary Screw Chiller	103,438.61	3,541.82
		For Aluminum Fins Instead Of Copper, Deduct	*-1,471.95*	
		For 208/230 Volt Motor, Add	*3,925.19*	
23 64 26 00-0006	EA	110 Ton Air Cooled Rotary Screw Chiller	111,047.16	3,716.25
		For Aluminum Fins Instead Of Copper, Deduct	*-1,582.21*	
		For 208/230 Volt Motor, Add	*4,219.21*	
23 64 26 00-0007	EA	120 Ton Air Cooled Rotary Screw Chiller	118,067.28	3,792.09
		For Aluminum Fins Instead Of Copper, Deduct	*-1,685.69*	
		For 208/230 Volt Motor, Add	*4,495.17*	
23 64 26 00-0008	EA	130 Ton Air Cooled Rotary Screw Chiller	124,666.31	3,921.02
		For Aluminum Fins Instead Of Copper, Deduct	*-1,781.83*	
		For 208/230 Volt Motor, Add	*4,751.54*	
23 64 26 00-0009	EA	140 Ton Air Cooled Rotary Screw Chiller	128,668.77	4,004.45
		For Aluminum Fins Instead Of Copper, Deduct	*-1,839.93*	
		For 208/230 Volt Motor, Add	*4,906.48*	
23 64 26 00-0010	EA	160 Ton Air Cooled Rotary Screw Chiller	135,921.79	4,087.87
		For Aluminum Fins Instead Of Copper, Deduct	*-1,946.79*	
		For 208/230 Volt Motor, Add	*5,191.45*	
23 64 26 00-0011	EA	170 Ton Air Cooled Rotary Screw Chiller	141,899.11	4,216.81
		For Aluminum Fins Instead Of Copper, Deduct	*-2,033.61*	
		For 208/230 Volt Motor, Add	*5,422.96*	
23 64 26 00-0012	EA	180 Ton Air Cooled Rotary Screw Chiller	149,657.60	4,383.66
		For Aluminum Fins Instead Of Copper, Deduct	*-2,146.23*	
		For 208/230 Volt Motor, Add	*5,723.28*	
23 64 26 00-0013	EA	200 Ton Air Cooled Rotary Screw Chiller	156,481.30	4,474.67
		For Aluminum Fins Instead Of Copper, Deduct	*-2,246.65*	
		For 208/230 Volt Motor, Add	*5,991.08*	
23 64 26 00-0014	EA	215 Ton Air Cooled Rotary Screw Chiller	167,835.92	4,550.51
		For Aluminum Fins Instead Of Copper, Deduct	*-2,415.15*	
		For 208/230 Volt Motor, Add	*6,440.41*	
23 64 26 00-0015	EA	225 Ton Air Cooled Rotary Screw Chiller	175,385.43	4,596.01
		For Aluminum Fins Instead Of Copper, Deduct	*-2,527.48*	
		For 208/230 Volt Motor, Add	*6,739.96*	
23 64 26 00-0016	EA	240 Ton Air Cooled Rotary Screw Chiller	182,934.94	4,633.93
		For Aluminum Fins Instead Of Copper, Deduct	*-2,639.82*	
		For 208/230 Volt Motor, Add	*7,039.51*	
23 64 26 00-0017	EA	260 Ton Air Cooled Rotary Screw Chiller	205,537.99	4,724.95
		For Aluminum Fins Instead Of Copper, Deduct	*-2,976.82*	
		For 208/230 Volt Motor, Add	*7,938.17*	
23 64 26 00-0018	EA	280 Ton Air Cooled Rotary Screw Chiller	216,900.19	4,815.96
		For Aluminum Fins Instead Of Copper, Deduct	*-3,145.31*	
		For 208/230 Volt Motor, Add	*8,387.51*	
23 64 26 00-0019	EA	300 Ton Air Cooled Rotary Screw Chiller	231,999.23	4,891.80
		For Aluminum Fins Instead Of Copper, Deduct	*-3,369.98*	
		For 208/230 Volt Motor, Add	*8,986.61*	
23 64 26 00-0020	EA	325 Ton Air Cooled Rotary Screw Chiller	254,587.10	4,975.22
		For Aluminum Fins Instead Of Copper, Deduct	*-3,706.98*	
		For 208/230 Volt Motor, Add	*9,885.27*	
23 64 26 00-0021	EA	350 Ton Air Cooled Rotary Screw Chiller	277,696.88	5,035.90
		For Aluminum Fins Instead Of Copper, Deduct	*-4,052.15*	
		For 208/230 Volt Motor, Add	*10,805.72*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 26 00-0022		**Packaged Water Cooled Helical Rotary Chiller** *(23 64 26)* Note: Integral heat exchanger. Rated by cooling capacity in tons. Factory assembled package type includes semi-hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gages, lead-lag switch, compressor unloaders, removable core filter dryer, 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, full factory refrigerant charge, vibration eliminators, NEMA 1 flow switches, wye-delta starter, extended warranty on compressor(s), start-up costs and equipment rigging. Excludes piping and power wiring.		
23 64 26 00-0023	EA	70 Ton Water Cooled Rotary Chiller	65,026.20	3,626.52
23 64 26 00-0024	EA	80 Ton Water Cooled Rotary Chiller	70,684.97	3,767.55
23 64 26 00-0025	EA	90 Ton Water Cooled Rotary Chiller	75,593.02	3,868.29
23 64 26 00-0026	EA	100 Ton Water Cooled Rotary Chiller	79,829.56	4,031.48
23 64 26 00-0027	EA	110 Ton Water Cooled Rotary Chiller	84,065.72	4,142.29
23 64 26 00-0028	EA	125 Ton Water Cooled Rotary Chiller	89,231.44	4,258.58
23 64 26 00-0029	EA	130 Ton Water Cooled Rotary Chiller	91,520.67	4,377.62
23 64 26 00-0030	EA	150 Ton Water Cooled Rotary Chiller	99,217.11	4,496.08
23 64 26 00-0031	EA	175 Ton Water Cooled Rotary Chiller	106,700.42	4,607.38
23 64 26 00-0032	EA	190 Ton Water Cooled Rotary Chiller	110,324.73	4,837.78
23 64 26 00-0033	EA	200 Ton Water Cooled Rotary Chiller	112,397.40	5,071.09
23 64 26 00-0034	EA	210 Ton Water Cooled Rotary Chiller	113,914.23	5,179.64
23 64 26 00-0035	EA	235 Ton Water Cooled Rotary Chiller	123,863.95	5,292.95
23 64 26 00-0036	EA	255 Ton Water Cooled Rotary Chiller	131,613.43	5,535.20
23 64 26 00-0037	EA	275 Ton Water Cooled Rotary Chiller	138,946.00	5,759.24
23 64 26 00-0038	EA	300 Ton Water Cooled Rotary Chiller	147,487.19	5,987.39
23 64 26 00-0039	EA	350 Ton Water Cooled Rotary Chiller	161,905.55	6,518.07
23 64 26 00-0040	EA	400 Ton Water Cooled Rotary Chiller	173,679.19	7,169.23
23 64 26 00-0041	EA	450 Ton Water Cooled Rotary Chiller	182,820.36	7,886.48

23 65 Cooling Towers *(23 60)*

23 65 00 00-0001		**Induced Draft Axial Single Flow Propeller Type Cooling Tower** *(23 65)* Note: Includes internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.		
23 65 00 00-0002	EA	10 Ton Propeller Type Cooling Tower, Axial - Single Flow	5,779.60	849.43
23 65 00 00-0003	EA	20 Ton Propeller Type Cooling Tower, Axial - Single Flow	6,828.79	917.68
23 65 00 00-0004	EA	30 Ton Propeller Type Cooling Tower, Axial - Single Flow	8,148.21	1,031.45
23 65 00 00-0005	EA	40 Ton Propeller Type Cooling Tower, Axial - Single Flow	9,040.92	1,137.63
23 65 00 00-0006	EA	50 Ton Propeller Type Cooling Tower, Axial - Single Flow	10,689.84	1,258.97
23 65 00 00-0007	EA	60 Ton Propeller Type Cooling Tower, Axial - Single Flow	12,410.38	1,357.57
23 65 00 00-0008	EA	75 Ton Propeller Type Cooling Tower, Axial - Single Flow	14,242.73	1,539.59
23 65 00 00-0009	EA	100 Ton Propeller Type Cooling Tower, Axial - Single Flow	17,778.46	1,933.96
23 65 00 00-0010	EA	125 Ton Propeller Type Cooling Tower, Axial - Single Flow	19,399.85	2,161.49
23 65 00 00-0011	EA	150 Ton Propeller Type Cooling Tower, Axial - Single Flow	29,396.65	2,434.52
23 65 00 00-0012	EA	200 Ton Propeller Type Cooling Tower, Axial - Single Flow	35,596.72	3,041.26
23 65 00 00-0013	EA	300 Ton Propeller Type Cooling Tower, Axial - Single Flow	46,336.78	4,990.39
23 65 00 00-0014		**Induced Draft Double Flow Propeller Type Packaged Cooling Tower** *(23 65)* Note: 3 GPM/ton draft. Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel.		
23 65 00 00-0015	EA	100 Ton Propeller Type Cooling Tower, Double Flow	17,778.46	1,933.96
23 65 00 00-0016	EA	150 Ton Propeller Type Cooling Tower, Double Flow	23,646.66	2,434.52
23 65 00 00-0017	EA	200 Ton Propeller Type Cooling Tower, Double Flow	30,031.00	3,041.26
23 65 00 00-0018	EA	250 Ton Propeller Type Cooling Tower, Double Flow	35,687.85	3,807.26
23 65 00 00-0019	EA	300 Ton Propeller Type Cooling Tower, Double Flow	42,536.02	4,990.39
23 65 00 00-0020	EA	350 Ton Propeller Type Cooling Tower, Double Flow	47,426.51	5,619.88
23 65 00 00-0021	EA	400 Ton Propeller Type Cooling Tower, Double Flow	52,864.02	6,165.94
23 65 00 00-0022	EA	450 Ton Propeller Type Cooling Tower, Double Flow	59,870.82	6,833.35
23 65 00 00-0023	EA	500 Ton Propeller Type Cooling Tower, Double Flow	67,439.62	7,409.74
23 65 00 00-0024	EA	550 Ton Propeller Type Cooling Tower, Double Flow	72,173.63	7,811.71
23 65 00 00-0025	EA	600 Ton Propeller Type Cooling Tower, Double Flow	77,283.83	8,024.07
23 65 00 00-0026	EA	700 Ton Propeller Type Cooling Tower, Double Flow	87,406.99	8,297.10
23 65 00 00-0027	EA	800 Ton Propeller Type Cooling Tower, Double Flow	95,876.72	9,146.53
23 65 00 00-0028	EA	900 Ton Propeller Type Cooling Tower, Double Flow	105,914.72	10,071.80
23 65 00 00-0029		**Induced Draft Crossflow Film Filled Propeller Type Cooling Tower** *(23 65)* Note: Galvanized Steel. Includes fan, 2-speed motor, geared speed reducer, louvers, drift eliminators, hot water distribution system, cold water collection basin, float valve and access door, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel.		
23 65 00 00-0030	EA	10 Ton Induced Draft Cooling Tower	4,943.89	849.43
		For Polymer Coating Over Galvanized Components, Add	*550.46*	
23 65 00 00-0031	EA	15 Ton Induced Draft Cooling Tower	5,321.31	864.60
		For Polymer Coating Over Galvanized Components, Add	*604.80*	
23 65 00 00-0032	EA	20 Ton Induced Draft Cooling Tower	5,789.16	940.44
		For Polymer Coating Over Galvanized Components, Add	*656.78*	
23 65 00 00-0033	EA	25 Ton Induced Draft Cooling Tower	6,739.41	985.94
		For Polymer Coating Over Galvanized Components, Add	*789.08*	
23 65 00 00-0034	EA	30 Ton Induced Draft Cooling Tower	7,610.93	1,031.45
		For Polymer Coating Over Galvanized Components, Add	*909.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 00 00-0035	EA	35 Ton Induced Draft Cooling Tower	8,466.10	1,084.53
		For Polymer Coating Over Galvanized Components, Add	*1,025.33*	
23 65 00 00-0036	EA	40 Ton Induced Draft Cooling Tower	9,250.69	1,137.63
		For Polymer Coating Over Galvanized Components, Add	*1,131.64*	
23 65 00 00-0037	EA	45 Ton Induced Draft Cooling Tower	10,121.62	1,198.30
		For Polymer Coating Over Galvanized Components, Add	*1,249.76*	
23 65 00 00-0038	EA	50 Ton Induced Draft Cooling Tower	10,976.22	1,258.97
		For Polymer Coating Over Galvanized Components, Add	*1,363.16*	
23 65 00 00-0039	EA	60 Ton Induced Draft Cooling Tower	12,648.06	1,357.57
		For Polymer Coating Over Galvanized Components, Add	*1,592.33*	
23 65 00 00-0040	EA	70 Ton Induced Draft Cooling Tower	14,461.08	1,463.75
		For Polymer Coating Over Galvanized Components, Add	*1,840.39*	
23 65 00 00-0041	EA	75 Ton Induced Draft Cooling Tower	15,307.51	1,539.59
		For Polymer Coating Over Galvanized Components, Add	*1,951.43*	
23 65 00 00-0042	EA	80 Ton Induced Draft Cooling Tower	16,244.95	1,668.52
		For Polymer Coating Over Galvanized Components, Add	*2,062.46*	
23 65 00 00-0043	EA	90 Ton Induced Draft Cooling Tower	16,946.14	1,797.45
		For Polymer Coating Over Galvanized Components, Add	*2,138.06*	
23 65 00 00-0044	EA	100 Ton Induced Draft Cooling Tower	18,261.01	1,933.96
		For Polymer Coating Over Galvanized Components, Add	*2,272.73*	
23 65 00 00-0045	EA	125 Ton Induced Draft Cooling Tower	19,050.31	2,161.49
		For Polymer Coating Over Galvanized Components, Add	*2,336.51*	
23 65 00 00-0046	EA	150 Ton Induced Draft Cooling Tower	22,104.68	2,434.52
		For Polymer Coating Over Galvanized Components, Add	*2,728.69*	
23 65 00 00-0047	EA	175 Ton Induced Draft Cooling Tower	24,433.41	2,730.31
		For Polymer Coating Over Galvanized Components, Add	*3,007.46*	
23 65 00 00-0048	EA	200 Ton Induced Draft Cooling Tower	25,768.72	3,041.26
		For Polymer Coating Over Galvanized Components, Add	*3,132.68*	
23 65 00 00-0049	EA	225 Ton Induced Draft Cooling Tower	29,761.12	3,428.05
		For Polymer Coating Over Galvanized Components, Add	*3,638.25*	
23 65 00 00-0050	EA	250 Ton Induced Draft Cooling Tower	32,643.43	3,807.26
		For Polymer Coating Over Galvanized Components, Add	*3,978.45*	
23 65 00 00-0051	EA	275 Ton Induced Draft Cooling Tower	35,034.07	4,505.01
		For Polymer Coating Over Galvanized Components, Add	*4,169.81*	
23 65 00 00-0052	EA	300 Ton Induced Draft Cooling Tower	37,838.82	4,990.39
		For Polymer Coating Over Galvanized Components, Add	*4,472.21*	
23 65 00 00-0053	EA	350 Ton Induced Draft Cooling Tower	43,226.02	5,619.88
		For Polymer Coating Over Galvanized Components, Add	*5,128.99*	
23 65 00 00-0054	EA	400 Ton Induced Draft Cooling Tower	47,641.94	6,165.94
		For Polymer Coating Over Galvanized Components, Add	*5,660.55*	
23 65 00 00-0055	EA	450 Ton Induced Draft Cooling Tower	52,664.56	6,833.35
		For Polymer Coating Over Galvanized Components, Add	*6,253.54*	
23 65 00 00-0056	EA	500 Ton Induced Draft Cooling Tower	57,377.41	7,409.74
		For Polymer Coating Over Galvanized Components, Add	*6,820.54*	
23 65 00 00-0057	EA	600 Ton Induced Draft Cooling Tower	65,450.87	8,024.07
		For Polymer Coating Over Galvanized Components, Add	*7,883.66*	
23 65 00 00-0058	EA	700 Ton Induced Draft Cooling Tower	73,147.95	8,297.10
		For Polymer Coating Over Galvanized Components, Add	*9,020.03*	
23 65 00 00-0059	EA	800 Ton Induced Draft Cooling Tower	81,727.78	9,146.53
		For Polymer Coating Over Galvanized Components, Add	*10,106.78*	
23 65 00 00-0060	EA	900 Ton Induced Draft Cooling Tower	90,082.44	10,071.80
		For Polymer Coating Over Galvanized Components, Add	*11,141.55*	
23 65 00 00-0061	EA	1,000 Ton Induced Draft Cooling Tower	98,311.12	11,133.58
		For Polymer Coating Over Galvanized Components, Add	*12,126.71*	
23 65 00 00-0062	EA	1,100 Ton Induced Draft Cooling Tower	107,453.21	11,672.06
		For Polymer Coating Over Galvanized Components, Add	*13,371.75*	
23 65 00 00-0063	EA	1,200 Ton Induced Draft Cooling Tower	116,266.32	12,172.62
		For Polymer Coating Over Galvanized Components, Add	*14,574.26*	
23 65 00 00-0064	EA	1,300 Ton Induced Draft Cooling Tower	123,747.74	13,219.23
		For Polymer Coating Over Galvanized Components, Add	*15,450.75*	
23 65 00 00-0065	EA	1,400 Ton Induced Draft Cooling Tower	131,019.78	14,341.69
		For Polymer Coating Over Galvanized Components, Add	*16,277.63*	
23 65 00 00-0066	EA	1,500 Ton Induced Draft Cooling Tower	138,059.65	15,524.82
		For Polymer Coating Over Galvanized Components, Add	*17,054.89*	
23 65 00 00-0067	EA	1,600 Ton Induced Draft Cooling Tower	144,547.67	16,594.19
		For Polymer Coating Over Galvanized Components, Add	*17,777.81*	
23 65 00 00-0068	EA	1,700 Ton Induced Draft Cooling Tower	150,939.47	17,815.24
		For Polymer Coating Over Galvanized Components, Add	*18,448.76*	
23 65 00 00-0069	EA	1,800 Ton Induced Draft Cooling Tower	157,303.86	19,225.91
		For Polymer Coating Over Galvanized Components, Add	*19,070.10*	
23 65 00 00-0070	EA	1,900 Ton Induced Draft Cooling Tower	163,298.47	20,636.57
		For Polymer Coating Over Galvanized Components, Add	*19,637.10*	
23 65 00 00-0071	EA	2,000 Ton Induced Draft Cooling Tower	169,766.24	22,562.95
		For Polymer Coating Over Galvanized Components, Add	*20,154.49*	

23 65 00 00-0072 Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower *(23 65)*

Note: Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.

23 65 00 00-0073	EA	5 Ton Propeller Type Cooling Tower, Fiberglass Draw-Thru	2,107.83	470.22
23 65 00 00-0074	EA	8 Ton Propeller Type Cooling Tower, Fiberglass Draw-Thru	2,364.85	583.98
23 65 00 00-0075	EA	10 Ton Propeller Type Cooling Tower, Fiberglass Draw-Thru	2,846.11	659.82
23 65 00 00-0076	EA	15 Ton Propeller Type Cooling Tower, Fiberglass Draw-Thru	3,289.62	720.50

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 00 00-0077	EA	20 Ton Propeller Type Cooling Tower, Fiberglass Draw-Thru	4,265.63	781.17
23 65 00 00-0078	EA	25 Ton Propeller Type Cooling Tower, Fiberglass Draw-Thru	4,566.89	857.01
23 65 00 00-0079	EA	30 Ton Propeller Type Cooling Tower, Fiberglass Draw-Thru	5,205.74	1,114.87
23 65 00 00-0080	EA	40 Ton Propeller Type Cooling Tower, Fiberglass Draw-Thru	5,957.01	1,016.28
23 65 00 00-0081	EA	50 Ton Propeller Type Cooling Tower, Fiberglass Draw-Thru	6,717.11	1,167.96
23 65 00 00-0082	EA	60 Ton Propeller Type Cooling Tower, Fiberglass Draw-Thru	7,589.47	1,304.48
23 65 00 00-0083	EA	70 Ton Propeller Type Cooling Tower, Fiberglass Draw-Thru	8,769.25	1,440.99
23 65 00 00-0084	EA	80 Ton Propeller Type Cooling Tower, Fiberglass Draw-Thru	10,068.08	1,827.79
23 65 00 00-0085	EA	100 Ton Propeller Type Cooling Tower, Fiberglass Draw-Thru	11,872.65	2,062.90
23 65 00 00-0086	EA	125 Ton Propeller Type Cooling Tower, Fiberglass Draw-Thru	14,531.42	2,290.42
23 65 00 00-0087	EA	150 Ton Propeller Type Cooling Tower, Fiberglass Draw-Thru	16,033.43	2,404.19
23 65 00 00-0088	EA	175 Ton Propeller Type Cooling Tower, Fiberglass Draw-Thru	19,080.37	2,510.37
23 65 00 00-0089	EA	200 Ton Propeller Type Cooling Tower, Fiberglass Draw-Thru	21,002.48	2,624.13
23 65 00 00-0090	EA	225 Ton Propeller Type Cooling Tower, Fiberglass Draw-Thru	22,864.50	2,737.89
23 65 00 00-0091	EA	250 Ton Propeller Type Cooling Tower, Fiberglass Draw-Thru	24,810.96	2,957.83
23 65 00 00-0092	EA	300 Ton Propeller Type Cooling Tower, Fiberglass Draw-Thru	28,814.69	3,299.12
23 65 00 00-0093	EA	350 Ton Propeller Type Cooling Tower, Fiberglass Draw-Thru	32,638.41	3,647.99
23 65 00 00-0094	EA	400 Ton Propeller Type Cooling Tower, Fiberglass Draw-Thru	36,820.71	4,322.98
23 65 00 00-0095	EA	500 Ton Propeller Type Cooling Tower, Fiberglass Draw-Thru	44,468.17	5,020.73
23 65 00 00-0096	EA	600 Ton Propeller Type Cooling Tower, Fiberglass Draw-Thru	50,850.74	5,445.44
23 65 00 00-0097	EA	700 Ton Propeller Type Cooling Tower, Fiberglass Draw-Thru	57,231.38	6,165.94
23 65 00 00-0098	EA	800 Ton Propeller Type Cooling Tower, Fiberglass Draw-Thru	63,079.43	6,894.03
23 65 00 00-0099	EA	1,000 Ton Propeller Type Cooling Tower, Fiberglass Draw-Thru	74,642.55	7,622.10

23 65 00 00-0100 Stainless Steel Packaged Propeller Type Cooling Tower *(23 65)*

Note: Including internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 79 degree F wet Bulb. 3 GPM/ton.

23 65 00 00-0101 Draw-Thru Stainless Steel Propeller Type Cooling Tower *(23 65 00 00-0100)*

Note: Excludes crane and associated personnel.

23 65 00 00-0102	EA	50 Ton Propeller Type Cooling Tower, Stainless Steel, Draw-Thru	13,502.25	1,258.97
23 65 00 00-0103	EA	75 Ton Propeller Type Cooling Tower, Stainless Steel Draw-Thru	19,001.91	1,539.59
23 65 00 00-0104	EA	100 Ton Propeller Type Cooling Tower, Stainless Steel Draw-Thru	22,591.46	1,933.96
23 65 00 00-0105	EA	125 Ton Propeller Type Cooling Tower, Stainless Steel Draw-Thru	25,585.16	2,161.49
23 65 00 00-0106	EA	150 Ton Propeller Type Cooling Tower, Stainless Steel Draw-Thru	28,117.47	2,434.52
23 65 00 00-0107	EA	200 Ton Propeller Type Cooling Tower, Stainless Steel Draw-Thru	33,810.35	3,041.26
23 65 00 00-0108	EA	250 Ton Propeller Type Cooling Tower, Stainless Steel Draw-Thru	39,973.44	3,807.26
23 65 00 00-0109	EA	300 Ton Propeller Type Cooling Tower, Stainless Steel Draw-Thru	47,762.62	4,990.39
23 65 00 00-0110	EA	350 Ton Propeller Type Cooling Tower, Stainless Steel Draw-Thru	52,410.09	5,619.88
23 65 00 00-0111	EA	400 Ton Propeller Type Cooling Tower, Stainless Steel Draw-Thru	59,255.36	6,165.94
23 65 00 00-0112	EA	500 Ton Propeller Type Cooling Tower, Stainless Steel Draw-Thru	68,897.21	7,409.74
23 65 00 00-0113	EA	600 Ton Propeller Type Cooling Tower, Stainless Steel Draw-Thru	77,509.45	8,024.07
23 65 00 00-0114	EA	750 Ton Propeller Type Cooling Tower, Stainless Steel Draw-Thru	95,114.32	8,721.82
23 65 00 00-0115	EA	1,000 Ton Propeller Type Cooling Tower, Stainless Steel Draw-Thru	120,715.67	11,012.24

23 65 00 00-0116 Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower *(23 65 00 00-0100)*

Note: Excludes crane and associated personnel.

23 65 00 00-0117	EA	100 Ton Propeller Type Cooling Tower, Stainless Steel Induced Draft	31,453.91	1,933.96
		For Induced Draft Counter Flow Type, Add	*1,417.22*	
23 65 00 00-0118	EA	125 Ton Propeller Type Cooling Tower, Stainless Steel Induced Draft	35,625.90	2,146.32
		For Induced Draft Counter Flow Type, Add	*1,607.62*	
23 65 00 00-0119	EA	150 Ton Propeller Type Cooling Tower, Stainless Steel Induced Draft	38,992.22	2,434.52
		For Induced Draft Counter Flow Type, Add	*1,753.94*	
23 65 00 00-0120	EA	200 Ton Propeller Type Cooling Tower, Stainless Steel Induced Draft	43,606.23	3,041.26
		For Induced Draft Counter Flow Type, Add	*1,936.10*	
23 65 00 00-0121	EA	250 Ton Propeller Type Cooling Tower, Stainless Steel Induced Draft	49,678.80	3,807.26
		For Induced Draft Counter Flow Type, Add	*2,177.92*	
23 65 00 00-0122	EA	300 Ton Propeller Type Cooling Tower, Stainless Steel Induced Draft	57,522.89	4,990.39
		For Induced Draft Counter Flow Type, Add	*2,474.94*	
23 65 00 00-0123	EA	350 Ton Propeller Type Cooling Tower, Stainless Steel Induced Draft	62,811.45	5,619.88
		For Induced Draft Counter Flow Type, Add	*2,688.93*	
23 65 00 00-0124	EA	400 Ton Propeller Type Cooling Tower, Stainless Steel Induced draft	67,963.47	6,165.94
		For Induced Draft Counter Flow Type, Add	*2,902.93*	
23 65 00 00-0125	EA	500 Ton Propeller Type Cooling Tower, Stainless Steel Induced Draft	78,675.29	7,409.74
		For Induced Draft Counter Flow Type, Add	*3,338.41*	
23 65 00 00-0126	EA	600 Ton Propeller Type Cooling Tower, Stainless Steel Induced Draft	88,594.80	8,024.07
		For Induced Draft Counter Flow Type, Add	*3,785.08*	
23 65 00 00-0127	EA	750 Ton Propeller Type Cooling Tower, Stainless Steel Induced Draft	108,960.43	8,721.82
		For Induced Draft Counter Flow Type, Add	*4,727.52*	
23 65 00 00-0128	EA	1,000 Ton Propeller Type Cooling Tower, Stainless Steel Induced Draft	140,826.40	11,133.58
		For Induced Draft Counter Flow Type, Add	*6,168.00*	

23 65 00 00-0129 Belt Driven Stainless Steel Propeller Type Cooling Tower *(23 65 00 00-0100)*

Note: Excludes crane and associated personnel.

23 65 00 00-0130	EA	100 Ton Propeller Type Cooling Tower, Stainless Steel Belt Driven	23,468.51	1,933.96
23 65 00 00-0131	EA	125 Ton Propeller Type Cooling Tower, Stainless Steel Belt Driven	25,448.63	2,161.49
23 65 00 00-0132	EA	150 Ton Propeller Type Cooling Tower, Stainless Steel Belt Driven	27,506.06	2,434.52
23 65 00 00-0133	EA	200 Ton Propeller Type Cooling Tower, Stainless Steel Belt Driven	32,654.31	3,041.26

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 00 00-0134		EA	250 Ton Propeller Type Cooling Tower, Stainless Steel Belt Driven	36,353.96	3,807.26
23 65 00 00-0135			**Blow-Thru Centrifugal Fan Type Cooling Tower** *(23 65)* Note: Including 2-speed motor internal piping, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Design temperature 95 degree F in, 85 degree F out. Excludes crane and associated personnel.		
23 65 00 00-0136		EA	50 Ton Centrifugal Type Cooling Tower	11,213.73	1,258.97
			For Stainless Steel Cooling Tower, Add	*5,595.16*	
23 65 00 00-0137		EA	75 Ton Centrifugal Type Cooling Tower	15,395.29	1,539.59
			For Stainless Steel Cooling Tower, Add	*7,858.37*	
23 65 00 00-0138		EA	100 Ton Centrifugal Type Cooling Tower	19,350.14	1,933.96
			For Stainless Steel Cooling Tower, Add	*9,744.38*	
23 65 00 00-0139		EA	125 Ton Centrifugal Type Cooling Tower	22,293.73	2,161.49
			For Stainless Steel Cooling Tower, Add	*11,292.10*	
23 65 00 00-0140		EA	150 Ton Centrifugal Type Cooling Tower	25,467.81	2,434.52
			For Stainless Steel Cooling Tower, Add	*12,932.63*	
23 65 00 00-0141		EA	175 Ton Centrifugal Type Cooling Tower	28,632.34	2,730.31
			For Stainless Steel Cooling Tower, Add	*14,549.21*	
23 65 00 00-0142		EA	200 Ton Centrifugal Type Cooling Tower	32,126.56	3,041.26
			For Stainless Steel Cooling Tower, Add	*16,345.40*	
23 65 00 00-0143		EA	225 Ton Centrifugal Type Cooling Tower	35,143.39	3,428.05
			For Stainless Steel Cooling Tower, Add	*17,782.36*	
23 65 00 00-0144		EA	250 Ton Centrifugal Type Cooling Tower	38,312.29	3,807.26
			For Stainless Steel Cooling Tower, Add	*19,315.12*	
23 65 00 00-0145		EA	275 Ton Centrifugal Type Cooling Tower	42,061.61	4,505.01
			For Stainless Steel Cooling Tower, Add	*20,895.77*	
23 65 00 00-0146		EA	300 Ton Centrifugal Type Cooling Tower	45,744.23	4,990.39
			For Stainless Steel Cooling Tower, Add	*22,632.10*	
23 65 00 00-0147		EA	325 Ton Centrifugal Type Cooling Tower	48,210.23	5,308.93
			For Stainless Steel Cooling Tower, Add	*23,829.56*	
23 65 00 00-0148		EA	350 Ton Centrifugal Type Cooling Tower	51,093.75	5,619.88
			For Stainless Steel Cooling Tower, Add	*25,236.59*	
23 65 00 00-0149		EA	375 Ton Centrifugal Type Cooling Tower	53,878.66	5,892.92
			For Stainless Steel Cooling Tower, Add	*26,643.61*	
23 65 00 00-0150		EA	400 Ton Centrifugal Type Cooling Tower	57,055.14	6,165.94
			For Stainless Steel Cooling Tower, Add	*28,290.12*	
23 65 00 00-0151		EA	425 Ton Centrifugal Type Cooling Tower	60,437.60	6,499.65
			For Stainless Steel Cooling Tower, Add	*29,996.51*	
23 65 00 00-0152		EA	450 Ton Centrifugal Type Cooling Tower	64,261.52	6,833.35
			For Stainless Steel Cooling Tower, Add	*31,972.33*	
23 65 00 00-0153		EA	475 Ton Centrifugal Type Cooling Tower	67,967.30	7,121.55
			For Stainless Steel Cooling Tower, Add	*33,918.21*	
23 65 00 00-0154		EA	500 Ton Centrifugal Type Cooling Tower	71,680.65	7,409.74
			For Stainless Steel Cooling Tower, Add	*35,864.09*	
23 65 00 00-0155		EA	550 Ton Centrifugal Type Cooling Tower	78,659.90	7,720.69
			For Stainless Steel Cooling Tower, Add	*39,755.86*	
23 65 00 00-0156		EA	600 Ton Centrifugal Type Cooling Tower	86,237.88	8,024.07
			For Stainless Steel Cooling Tower, Add	*44,006.86*	
23 65 00 00-0157		EA	650 Ton Centrifugal Type Cooling Tower	89,292.22	8,190.92
			For Stainless Steel Cooling Tower, Add	*45,803.06*	
23 65 00 00-0158		EA	700 Ton Centrifugal Type Cooling Tower	92,945.27	8,297.10
			For Stainless Steel Cooling Tower, Add	*47,958.49*	
23 65 00 00-0159		EA	750 Ton Centrifugal Type Cooling Tower	97,304.88	8,721.82
			For Stainless Steel Cooling Tower, Add	*50,173.81*	
23 65 00 00-0160		EA	800 Ton Centrifugal Type Cooling Tower	102,362.99	9,146.53
			For Stainless Steel Cooling Tower, Add	*52,808.23*	
23 65 00 00-0161		EA	850 Ton Centrifugal Type Cooling Tower	107,481.78	9,609.16
			For Stainless Steel Cooling Tower, Add	*55,442.65*	
23 65 00 00-0162		EA	900 Ton Centrifugal Type Cooling Tower	113,398.88	10,071.80
			For Stainless Steel Cooling Tower, Add	*58,556.06*	
23 65 00 00-0163		EA	950 Ton Centrifugal Type Cooling Tower	119,521.94	10,602.69
			For Stainless Steel Cooling Tower, Add	*61,729.34*	
23 65 00 00-0164		EA	1,000 Ton Centrifugal Type Cooling Tower	126,435.73	11,133.58
			For Stainless Steel Cooling Tower, Add	*65,381.62*	
23 65 00 00-0165			**Cooling Tower Fiberglass Sump Basins** *(23 65)* Note: No cover. Includes 1 inlet sleeve. Excludes excavation, backfill, concrete cut and concrete patch. Excludes crane and associated personnel.		
23 65 00 00-0166		EA	30" Diameter x 30" Depth Fiberglass Cooling Tower Sump Basin, 92 Gallon Capacity	806.41	
			For Anti-Flotation Flanges, Add	*115.00*	
			For Perforated Basins, Add	*80.00*	
23 65 00 00-0167		EA	30" Diameter x 36" Depth Fiberglass Cooling Tower Sump Basin, 110 Gallon Capacity	914.15	
			For Anti-Flotation Flanges, Add	*115.00*	
			For Perforated Basins, Add	*80.00*	
23 65 00 00-0168		EA	36" Diameter x 30" Depth Fiberglass Cooling Tower Sump Basin, 132 Gallon Capacity	890.74	
			For Anti-Flotation Flanges, Add	*253.00*	
			For Perforated Basins, Add	*80.00*	
23 65 00 00-0169		EA	36" Diameter x 36" Depth Fiberglass Cooling Tower Sump Basin, 159 Gallon Capacity	1,048.01	
			For Anti-Flotation Flanges, Add	*253.00*	
			For Perforated Basins, Add	*80.00*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 00 00-0170	EA	42" Diameter x 30" Depth Fiberglass Cooling Tower Sump Basin, 180 Gallon Capacity	1,141.24	
		For Anti-Flotation Flanges, Add	*276.00*	
		For Perforated Basins, Add	*100.00*	
23 65 00 00-0171	EA	42" Diameter x 36" Depth Fiberglass Cooling Tower Sump Basin, 216 Gallon Capacity	1,264.94	
		For Anti-Flotation Flanges, Add	*276.00*	
		For Perforated Basins, Add	*100.00*	
23 65 00 00-0172	EA	42" Diameter x 42" Depth Fiberglass Cooling Tower Sump Basin, 252 Gallon Capacity	1,388.64	
		For Anti-Flotation Flanges, Add	*276.00*	
		For Perforated Basins, Add	*100.00*	
23 65 00 00-0173	EA	48" Diameter x 36" Depth Fiberglass Cooling Tower Sump Basin, 282 Gallon Capacity	1,392.77	
		For Anti-Flotation Flanges, Add	*294.00*	
		For Perforated Basins, Add	*140.00*	
23 65 00 00-0174	EA	48" Diameter x 42" Depth Fiberglass Cooling Tower Sump Basin, 329 Gallon Capacity	1,535.31	
		For Anti-Flotation Flanges, Add	*294.00*	
		For Perforated Basins, Add	*140.00*	
23 65 00 00-0175	EA	48" Diameter x 48" Depth Fiberglass Cooling Tower Sump Basin, 376 Gallon Capacity	1,755.15	
		For Anti-Flotation Flanges, Add	*294.00*	
		For Perforated Basins, Add	*140.00*	
23 65 00 00-0176	EA	48" Diameter x 54" Depth Fiberglass Cooling Tower Sump Basin, 423 Gallon Capacity	1,976.44	
		For Anti-Flotation Flanges, Add	*294.00*	
		For Perforated Basins, Add	*140.00*	
23 65 00 00-0177	EA	48" Diameter x 60" Depth Fiberglass Cooling Tower Sump Basin, 470 Gallon Capacity	2,116.08	
		For Anti-Flotation Flanges, Add	*294.00*	
		For Perforated Basins, Add	*140.00*	

23 70 Central HVAC Equipment *(23)*

Note: New air filters shall be provided on HVAC equipment prior to turning over to owner. Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 00-0001 for disconnect.

23 71 Thermal Storage *(23 70)*

23 71 13 Thermal Heat Storage *(23 71)*

23 71 13 23 Pressurized-Water Thermal Storage Tanks *(23 71 13)*

23 71 13 23-0001 Nickelshield Storage Tanks *(23 71 13 23)*

23 71 13 23-0002	EA	325 Gallon Nickelshield Storage Tank	15,436.83	146.07
23 71 13 23-0003	EA	490 Gallon Nickelshield Storage Tank	21,538.31	193.66
23 71 13 23-0004	EA	605 Gallon Nickelshield Storage Tank	24,662.75	234.24
23 71 13 23-0005	EA	740 Gallon Nickelshield Storage Tank	29,206.68	292.79
23 71 13 23-0006	EA	940 Gallon Nickelshield Storage Tank	33,997.70	389.22
23 71 13 23-0007	EA	1,505 Gallon Nickelshield Storage Tank	43,956.51	585.65
23 71 13 23-0008	EA	1,615 Gallon Nickelshield Storage Tank	49,637.65	659.64
23 71 13 23-0009	EA	2,275 Gallon Nickelshield Storage Tank	68,155.11	876.18
23 71 13 23-0010	EA	3,815 Gallon Nickelshield Storage Tank	88,145.55	1,018.59

23 72 Air-To-Air Energy Recovery Equipment *(23 70)*

23 72 13 Heat-Wheel Air-To-Air Energy-Recovery Equipment *(23 72)*

23 72 13 00-0001 Enthalpy Recovery Wheel *(23 72 13)*

23 72 13 00-0002	EA	Up To 1,000 CFM Enthalpy Recovery Wheel	5,557.74	542.05
23 72 13 00-0003	EA	>1,000 To 2,000 CFM Enthalpy Recovery Wheel	6,196.44	650.63
23 72 13 00-0004	EA	>2,000 To 4,000 CFM Enthalpy Recovery Wheel	7,753.13	813.28
23 72 13 00-0005	EA	>4,000 To 6,000 CFM Enthalpy Recovery Wheel	9,054.80	929.17
23 72 13 00-0006	EA	>6,000 To 8,000 CFM Enthalpy Recovery Wheel	9,990.35	975.94
23 72 13 00-0007	EA	>8,000 To 10,000 CFM Enthalpy Recovery Wheel	12,086.81	1,084.50
23 72 13 00-0008	EA	>10,000 To 15,000 CFM Enthalpy Recovery Wheel	15,891.44	1,138.59
23 72 13 00-0009	EA	>15,000 To 20,000 CFM Enthalpy Recovery Wheel	19,686.00	1,219.92
23 72 13 00-0010	EA	>20,000 To 25,000 CFM Enthalpy Recovery Wheel	23,794.43	1,393.96
23 72 13 00-0011	EA	>25,000 To 30,000 CFM Enthalpy Recovery Wheel	26,789.25	1,789.22
23 72 13 00-0012	EA	>30,000 To 40,000 CFM Enthalpy Recovery Wheel	35,704.16	2,033.20
23 72 13 00-0013	EA	>40,000 To 50,000 CFM Enthalpy Recovery Wheel	42,478.04	2,439.84

23 72 16 Heat-Pipe Air-To-Air Energy-Recovery Equipment *(23 72)*

23 72 16 00-0001 Glycol Heat Pipe Type, 50 Percent Efficient *(23 72 16)*

23 72 16 00-0002	EA	100 MBH, 1,700 CFM Glycol Heat Recovery Unit	9,708.96	406.64
23 72 16 00-0003	EA	160 MBH, 2,700 CFM Glycol Heat Recovery Unit	15,212.81	542.21
23 72 16 00-0004	EA	620 MBH, 4,000 CFM Glycol Heat Recovery Unit	22,557.57	813.28

23 73 Indoor Central-Station Air-Handling Units *(23 70)*

23 73 13 Modular Indoor Central-Station Air-Handling Units *(23 73)*

Note: Sized by CFM. Includes motor drive vibration isolators. Use modifiers for Filters and heating and cooling coils. Includes double wall insulated casing, fan section, fan motor, internal dampers, starter, vibration isolators and equipment rigging. Variable speed drives are included on units with 10 HP or greater fans. Modifiers include cooling coil sections with 6 row aluminum fin coil and drain pan, heating coil section with 1 row aluminum fin coil, and filter section with replaceable filters.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0001		**Single Zone Units** *(23 73 13)*		
		Note: Horizontal/vertical draw-thru fan, motor and cabinet.		
23 73 13 00-0002	EA	300 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	1,566.40	435.00
		For Flat Filter Box And Throwaway Filters, Add	*125.57*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*232.49*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*345.63*	
		For Manual Roll Filter, Add	*581.87*	
		For Automatic Roll Filter, Add	*629.12*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*298.38*	
		For Electric Heating Coil, Add	*487.38*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*487.38*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*440.13*	
		For Steam Heating Coil, Aluminum Fins, Add	*392.88*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*314.56*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*581.87*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*534.62*	
		For Hot Water Heating Coil, Copper Fins, Add	*392.88*	
		For Variable Air Volume, Add	*132.29*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,075.01*	
		For 2 Coils, Independent Circuits, Add	*175.54*	
23 73 13 00-0003	EA	500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	2,416.98	522.01
		For Flat Filter Box And Throwaway Filters, Add	*204.44*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*386.53*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*576.07*	
		For Manual Roll Filter, Add	*994.03*	
		For Automatic Roll Filter, Add	*1,077.62*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*492.48*	
		For Electric Heating Coil, Add	*826.85*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*826.85*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*743.25*	
		For Steam Heating Coil, Aluminum Fins, Add	*659.66*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*538.81*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*994.03*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*910.44*	
		For Hot Water Heating Coil, Copper Fins, Add	*659.66*	
		For Variable Air Volume, Add	*234.06*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,161.59*	
		For 2 Coils, Independent Circuits, Add	*275.14*	
23 73 13 00-0004	EA	800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	2,722.17	560.61
		For Flat Filter Box And Throwaway Filters, Add	*232.18*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*440.33*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*656.49*	
		For Manual Roll Filter, Add	*1,136.82*	
		For Automatic Roll Filter, Add	*1,232.89*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*560.42*	
		For Electric Heating Coil, Add	*944.69*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*944.69*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*848.62*	
		For Steam Heating Coil, Aluminum Fins, Add	*752.55*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*616.45*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*1,136.82*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*1,040.76*	
		For Hot Water Heating Coil, Copper Fins, Add	*752.55*	
		For Variable Air Volume, Add	*268.99*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,200.57*	
		For 2 Coils, Independent Circuits, Add	*310.64*	
23 73 13 00-0005	EA	1,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	3,061.03	602.41
		For Flat Filter Box And Throwaway Filters, Add	*263.07*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*500.31*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*746.17*	
		For Manual Roll Filter, Add	*1,296.24*	
		For Automatic Roll Filter, Add	*1,406.26*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*636.15*	
		For Electric Heating Coil, Add	*1,076.21*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*1,076.21*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*966.20*	
		For Steam Heating Coil, Aluminum Fins, Add	*856.18*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*703.13*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*1,296.24*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*1,186.23*	
		For Hot Water Heating Coil, Copper Fins, Add	*856.18*	
		For Variable Air Volume, Add	*308.04*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,242.50*	
		For 2 Coils, Independent Circuits, Add	*350.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0006	EA	1,200 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	3,459.05	648.08
		For Flat Filter Box And Throwaway Filters, Add	*299.67*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*571.59*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*852.76*	
		For Manual Roll Filter, Add	*1,486.34*	
		For Automatic Roll Filter, Add	*1,613.05*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*726.05*	
		For Electric Heating Coil, Add	*1,232.91*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*1,232.91*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*1,106.19*	
		For Steam Heating Coil, Aluminum Fins, Add	*979.48*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*806.53*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*1,486.34*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*1,359.62*	
		For Hot Water Heating Coil, Copper Fins, Add	*979.48*	
		For Variable Air Volume, Add	*354.80*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,287.33*	
		For 2 Coils, Independent Circuits, Add	*396.59*	
23 73 13 00-0007	EA	1,400 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	3,922.14	696.48
		For Flat Filter Box And Throwaway Filters, Add	*342.47*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*655.09*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*977.65*	
		For Manual Roll Filter, Add	*1,709.45*	
		For Automatic Roll Filter, Add	*1,855.81*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*831.29*	
		For Electric Heating Coil, Add	*1,416.73*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*1,416.73*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*1,270.37*	
		For Steam Heating Coil, Aluminum Fins, Add	*1,124.01*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*927.91*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*1,709.45*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*1,563.09*	
		For Hot Water Heating Coil, Copper Fins, Add	*1,124.01*	
		For Variable Air Volume, Add	*409.81*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,336.46*	
		For 2 Coils, Independent Circuits, Add	*450.76*	
23 73 13 00-0008	EA	1,600 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	4,289.28	748.75
		For Flat Filter Box And Throwaway Filters, Add	*375.56*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*719.10*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,073.31*	
		For Manual Roll Filter, Add	*1,878.78*	
		For Automatic Roll Filter, Add	*2,039.87*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*912.21*	
		For Electric Heating Coil, Add	*1,556.59*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*1,556.59*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*1,395.50*	
		For Steam Heating Coil, Aluminum Fins, Add	*1,234.40*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,019.94*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*1,878.78*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*1,717.68*	
		For Hot Water Heating Coil, Copper Fins, Add	*1,234.40*	
		For Variable Air Volume, Add	*451.06*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,387.17*	
		For 2 Coils, Independent Circuits, Add	*493.37*	
23 73 13 00-0009	EA	1,800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	4,688.74	806.93
		For Flat Filter Box And Throwaway Filters, Add	*411.25*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*787.92*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,176.12*	
		For Manual Roll Filter, Add	*2,060.17*	
		For Automatic Roll Filter, Add	*2,236.98*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*999.31*	
		For Electric Heating Coil, Add	*1,706.55*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*1,706.55*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*1,529.74*	
		For Steam Heating Coil, Aluminum Fins, Add	*1,352.93*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,118.49*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*2,060.17*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*1,883.36*	
		For Hot Water Heating Coil, Copper Fins, Add	*1,352.93*	
		For Variable Air Volume, Add	*495.07*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,383.89*	
		For 2 Coils, Independent Circuits, Add	*539.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0010	EA	2,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	5,125.80	865.11
		For Flat Filter Box And Throwaway Filters, Add	*450.78*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*864.49*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,290.55*	
		For Manual Roll Filter, Add	*2,263.01*	
		For Automatic Roll Filter, Add	*2,457.50*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,096.06*	
		For Electric Heating Coil, Add	*1,874.02*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*1,874.02*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*1,679.53*	
		For Steam Heating Coil, Aluminum Fins, Add	*1,485.04*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,228.75*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*2,263.01*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*2,068.52*	
		For Hot Water Heating Coil, Copper Fins, Add	*1,485.04*	
		For Variable Air Volume, Add	*544.58*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,429.78*	
		For 2 Coils, Independent Circuits, Add	*590.38*	
23 73 13 00-0011	EA	2,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	5,532.60	929.90
		For Flat Filter Box And Throwaway Filters, Add	*486.84*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*933.82*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,394.09*	
		For Manual Roll Filter, Add	*2,445.14*	
		For Automatic Roll Filter, Add	*2,655.35*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,183.89*	
		For Electric Heating Coil, Add	*2,024.72*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*2,024.72*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*1,814.51*	
		For Steam Heating Coil, Aluminum Fins, Add	*1,604.30*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,327.67*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*2,445.14*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*2,234.93*	
		For Hot Water Heating Coil, Copper Fins, Add	*1,604.30*	
		For Variable Air Volume, Add	*588.58*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,480.64*	
		For 2 Coils, Independent Circuits, Add	*637.34*	
23 73 13 00-0012	EA	2,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	5,967.40	1,000.59
		For Flat Filter Box And Throwaway Filters, Add	*525.28*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,007.68*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,504.37*	
		For Manual Roll Filter, Add	*2,638.91*	
		For Automatic Roll Filter, Add	*2,865.82*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,277.46*	
		For Electric Heating Coil, Add	*2,185.09*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*2,185.09*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*1,958.19*	
		For Steam Heating Coil, Aluminum Fins, Add	*1,731.28*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,432.91*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*2,638.91*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*2,412.00*	
		For Hot Water Heating Coil, Copper Fins, Add	*1,731.28*	
		For Variable Air Volume, Add	*635.34*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,536.09*	
		For 2 Coils, Independent Circuits, Add	*687.50*	
23 73 13 00-0013	EA	3,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	6,939.20	1,158.20
		For Flat Filter Box And Throwaway Filters, Add	*611.19*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,172.75*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,750.86*	
		For Manual Roll Filter, Add	*3,072.03*	
		For Automatic Roll Filter, Add	*3,336.26*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,486.62*	
		For Electric Heating Coil, Add	*2,543.56*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*2,543.56*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*2,279.32*	
		For Steam Heating Coil, Aluminum Fins, Add	*2,015.09*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,668.13*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*3,072.03*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*2,807.79*	
		For Hot Water Heating Coil, Copper Fins, Add	*2,015.09*	
		For Variable Air Volume, Add	*739.86*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,659.99*	
		For 2 Coils, Independent Circuits, Add	*799.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0014	EA	3,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	7,279.38	1,244.66
		For Flat Filter Box And Throwaway Filters, Add	*639.01*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,224.66*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,828.10*	
		For Manual Roll Filter, Add	*3,203.29*	
		For Automatic Roll Filter, Add	*3,478.33*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,553.06*	
		For Electric Heating Coil, Add	*2,653.21*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*2,653.21*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*2,378.18*	
		For Steam Heating Coil, Aluminum Fins, Add	*2,103.14*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,739.17*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*3,203.29*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*2,928.25*	
		For Hot Water Heating Coil, Copper Fins, Add	*2,103.14*	
		For Variable Air Volume, Add	*770.11*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,728.22*	
		For 2 Coils, Independent Circuits, Add	*837.95*	
23 73 13 00-0015	EA	3,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	7,627.83	1,337.65
		For Flat Filter Box And Throwaway Filters, Add	*667.24*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,277.14*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,906.16*	
		For Manual Roll Filter, Add	*3,335.38*	
		For Automatic Roll Filter, Add	*3,621.23*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,620.32*	
		For Electric Heating Coil, Add	*2,763.69*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*2,763.69*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*2,477.85*	
		For Steam Heating Coil, Aluminum Fins, Add	*2,192.01*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,810.61*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*3,335.38*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*3,049.54*	
		For Hot Water Heating Coil, Copper Fins, Add	*2,192.01*	
		For Variable Air Volume, Add	*800.36*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,801.02*	
		For 2 Coils, Independent Circuits, Add	*877.12*	
23 73 13 00-0016	EA	4,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	8,395.19	1,544.27
		For Flat Filter Box And Throwaway Filters, Add	*729.18*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,392.15*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,077.20*	
		For Manual Roll Filter, Add	*3,624.29*	
		For Automatic Roll Filter, Add	*3,933.71*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,767.78*	
		For Electric Heating Coil, Add	*3,005.45*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,005.45*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*2,696.03*	
		For Steam Heating Coil, Aluminum Fins, Add	*2,386.61*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,966.85*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*3,624.29*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*3,314.87*	
		For Hot Water Heating Coil, Copper Fins, Add	*2,386.61*	
		For Variable Air Volume, Add	*866.37*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,822.72*	
		For 2 Coils, Independent Circuits, Add	*963.29*	
23 73 13 00-0017	EA	4,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	8,395.19	1,544.27
		For Flat Filter Box And Throwaway Filters, Add	*729.18*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,392.15*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,077.20*	
		For Manual Roll Filter, Add	*3,624.29*	
		For Automatic Roll Filter, Add	*3,933.71*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,767.78*	
		For Electric Heating Coil, Add	*3,005.45*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,005.45*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*2,696.03*	
		For Steam Heating Coil, Aluminum Fins, Add	*2,386.61*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,966.85*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*3,624.29*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*3,314.87*	
		For Hot Water Heating Coil, Copper Fins, Add	*2,386.61*	
		For Variable Air Volume, Add	*866.37*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,822.72*	
		For 2 Coils, Independent Circuits, Add	*963.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0018	EA	5,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	9,233.58	1,773.74
		For Flat Filter Box And Throwaway Filters, Add	*796.64*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,517.24*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,263.19*	
		For Manual Roll Filter, Add	*3,937.98*	
		For Automatic Roll Filter, Add	*4,272.94*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,928.23*	
		For Electric Heating Coil, Add	*3,268.07*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,268.07*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*2,933.11*	
		For Steam Heating Coil, Aluminum Fins, Add	*2,598.15*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,136.47*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*3,937.98*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*3,603.03*	
		For Hot Water Heating Coil, Copper Fins, Add	*2,598.15*	
		For Variable Air Volume, Add	*937.88*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,953.76*	
		For 2 Coils, Independent Circuits, Add	*1,057.34*	
23 73 13 00-0019	EA	5,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	9,723.94	1,924.36
		For Flat Filter Box And Throwaway Filters, Add	*834.91*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,587.32*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,367.24*	
		For Manual Roll Filter, Add	*4,110.79*	
		For Automatic Roll Filter, Add	*4,459.50*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,018.53*	
		For Electric Heating Coil, Add	*3,413.37*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,413.37*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,064.66*	
		For Steam Heating Coil, Aluminum Fins, Add	*2,715.95*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,229.75*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*4,110.79*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*3,762.08*	
		For Hot Water Heating Coil, Copper Fins, Add	*2,715.95*	
		For Variable Air Volume, Add	*976.39*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,039.89*	
		For 2 Coils, Independent Circuits, Add	*1,111.88*	
23 73 13 00-0020	EA	6,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	10,202.85	2,067.37
		For Flat Filter Box And Throwaway Filters, Add	*872.61*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,656.60*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,470.14*	
		For Manual Roll Filter, Add	*4,282.45*	
		For Automatic Roll Filter, Add	*4,644.91*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,107.67*	
		For Electric Heating Coil, Add	*3,557.52*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,557.52*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,195.06*	
		For Steam Heating Coil, Aluminum Fins, Add	*2,832.60*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,322.46*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*4,282.45*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*3,919.99*	
		For Hot Water Heating Coil, Copper Fins, Add	*2,832.60*	
		For Variable Air Volume, Add	*1,014.90*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,121.44*	
		For 2 Coils, Independent Circuits, Add	*1,165.27*	
23 73 13 00-0021	EA	6,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	10,685.21	2,213.10
		For Flat Filter Box And Throwaway Filters, Add	*910.48*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,726.12*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,573.38*	
		For Manual Roll Filter, Add	*4,454.45*	
		For Automatic Roll Filter, Add	*4,830.67*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,197.16*	
		For Electric Heating Coil, Add	*3,702.02*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,702.02*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,325.81*	
		For Steam Heating Coil, Aluminum Fins, Add	*2,949.59*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,415.33*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*4,454.45*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,078.24*	
		For Hot Water Heating Coil, Copper Fins, Add	*2,949.59*	
		For Variable Air Volume, Add	*1,053.40*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,204.37*	
		For 2 Coils, Independent Circuits, Add	*1,219.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0022	EA	7,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	11,241.90	2,382.21
		For Flat Filter Box And Throwaway Filters, Add	*954.03*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,805.95*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,691.91*	
		For Manual Roll Filter, Add	*4,651.57*	
		For Automatic Roll Filter, Add	*5,043.50*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,299.98*	
		For Electric Heating Coil, Add	*3,867.71*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,867.71*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,475.78*	
		For Steam Heating Coil, Aluminum Fins, Add	*3,083.85*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,521.75*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*4,651.57*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,259.64*	
		For Hot Water Heating Coil, Copper Fins, Add	*3,083.85*	
		For Variable Air Volume, Add	*1,097.41*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,301.31*	
		For 2 Coils, Independent Circuits, Add	*1,280.96*	
23 73 13 00-0023	EA	7,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	11,808.47	2,552.40
		For Flat Filter Box And Throwaway Filters, Add	*998.07*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,886.48*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,811.44*	
		For Manual Roll Filter, Add	*4,849.67*	
		For Automatic Roll Filter, Add	*5,257.32*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,403.79*	
		For Electric Heating Coil, Add	*4,034.38*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*4,034.38*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,626.73*	
		For Steam Heating Coil, Aluminum Fins, Add	*3,219.08*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,628.66*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*4,849.67*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,442.03*	
		For Hot Water Heating Coil, Copper Fins, Add	*3,219.08*	
		For Variable Air Volume, Add	*1,141.41*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,276.66*	
		For 2 Coils, Independent Circuits, Add	*1,343.91*	
23 73 13 00-0024	EA	8,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	12,395.46	2,748.62
		For Flat Filter Box And Throwaway Filters, Add	*1,043.14*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,968.43*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,933.00*	
		For Manual Roll Filter, Add	*5,049.82*	
		For Automatic Roll Filter, Add	*5,473.19*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,509.64*	
		For Electric Heating Coil, Add	*4,203.09*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*4,203.09*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,779.73*	
		For Steam Heating Coil, Aluminum Fins, Add	*3,356.37*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,736.59*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*5,049.82*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,626.46*	
		For Hot Water Heating Coil, Copper Fins, Add	*3,356.37*	
		For Variable Air Volume, Add	*1,185.42*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,358.45*	
		For 2 Coils, Independent Circuits, Add	*1,408.89*	
23 73 13 00-0025	EA	9,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	13,065.69	2,977.62
		For Flat Filter Box And Throwaway Filters, Add	*1,094.33*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,061.32*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,070.75*	
		For Manual Roll Filter, Add	*5,275.97*	
		For Automatic Roll Filter, Add	*5,717.02*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,629.70*	
		For Electric Heating Coil, Add	*4,393.88*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*4,393.88*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,952.84*	
		For Steam Heating Coil, Aluminum Fins, Add	*3,511.79*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,858.51*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*5,275.97*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,834.93*	
		For Hot Water Heating Coil, Copper Fins, Add	*3,511.79*	
		For Variable Air Volume, Add	*1,234.93*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,453.44*	
		For 2 Coils, Independent Circuits, Add	*1,482.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0026	EA	10,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	13,717.21	3,179.12
		For Flat Filter Box And Throwaway Filters, Add	*1,144.59*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,152.89*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,206.63*	
		For Manual Roll Filter, Add	*5,500.26*	
		For Automatic Roll Filter, Add	*5,958.99*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,747.90*	
		For Electric Heating Coil, Add	*4,582.81*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*4,582.81*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,124.08*	
		For Steam Heating Coil, Aluminum Fins, Add	*3,665.35*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,979.49*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*5,500.26*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*5,041.53*	
		For Hot Water Heating Coil, Copper Fins, Add	*3,665.35*	
		For Variable Air Volume, Add	*1,284.43*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,542.80*	
		For 2 Coils, Independent Circuits, Add	*1,555.21*	
23 73 13 00-0027	EA	11,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	13,733.84	3,078.21
		For Flat Filter Box And Throwaway Filters, Add	*1,154.26*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,177.04*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,243.65*	
		For Manual Roll Filter, Add	*5,581.49*	
		For Automatic Roll Filter, Add	*6,049.05*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,776.09*	
		For Electric Heating Coil, Add	*4,646.35*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*4,646.35*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,178.79*	
		For Steam Heating Coil, Aluminum Fins, Add	*3,711.22*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,024.53*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*5,581.49*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*5,113.92*	
		For Hot Water Heating Coil, Copper Fins, Add	*3,711.22*	
		For Variable Air Volume, Add	*1,309.19*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,494.75*	
		For 2 Coils, Independent Circuits, Add	*1,560.41*	
23 73 13 00-0028	EA	12,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	14,406.00	3,415.19
		For Flat Filter Box And Throwaway Filters, Add	*1,196.71*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,247.08*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,346.23*	
		For Manual Roll Filter, Add	*5,728.27*	
		For Automatic Roll Filter, Add	*6,204.68*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,869.82*	
		For Electric Heating Coil, Add	*4,775.45*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*4,775.45*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,299.05*	
		For Steam Heating Coil, Aluminum Fins, Add	*3,822.64*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,102.34*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*5,728.27*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*5,251.86*	
		For Hot Water Heating Coil, Copper Fins, Add	*3,822.64*	
		For Variable Air Volume, Add	*1,333.94*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,643.36*	
		For 2 Coils, Independent Circuits, Add	*1,631.16*	
23 73 13 00-0029	EA	13,700 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	15,150.21	3,552.38
		For Flat Filter Box And Throwaway Filters, Add	*1,262.40*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,373.24*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,534.60*	
		For Manual Roll Filter, Add	*6,059.06*	
		For Automatic Roll Filter, Add	*6,563.96*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,029.70*	
		For Electric Heating Coil, Add	*5,049.28*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,049.28*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,544.38*	
		For Steam Heating Coil, Aluminum Fins, Add	*4,039.49*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,281.98*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*6,059.06*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*5,554.17*	
		For Hot Water Heating Coil, Copper Fins, Add	*4,039.49*	
		For Variable Air Volume, Add	*1,413.70*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,410.47*	
		For 2 Coils, Independent Circuits, Add	*1,716.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0030	EA	15,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	15,942.96	3,689.94
		For Flat Filter Box And Throwaway Filters, Add	*1,330.53*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,502.80*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,727.82*	
		For Manual Roll Filter, Add	*6,394.72*	
		For Automatic Roll Filter, Add	*6,928.10*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,194.44*	
		For Electric Heating Coil, Add	*5,327.96*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,327.96*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,794.58*	
		For Steam Heating Coil, Aluminum Fins, Add	*4,261.20*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,464.05*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*6,394.72*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*5,861.34*	
		For Hot Water Heating Coil, Copper Fins, Add	*4,261.20*	
		For Variable Air Volume, Add	*1,493.46*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,455.07*	
		For 2 Coils, Independent Circuits, Add	*1,807.65*	
23 73 13 00-0031	EA	16,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	16,769.24	3,831.87
		For Flat Filter Box And Throwaway Filters, Add	*1,404.26*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,644.91*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,940.10*	
		For Manual Roll Filter, Add	*6,769.08*	
		For Automatic Roll Filter, Add	*7,334.87*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,374.31*	
		For Electric Heating Coil, Add	*5,637.49*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,637.49*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,071.69*	
		For Steam Heating Coil, Aluminum Fins, Add	*4,505.90*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,667.44*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*6,769.08*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*6,203.28*	
		For Hot Water Heating Coil, Copper Fins, Add	*4,505.90*	
		For Variable Air Volume, Add	*1,584.23*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,490.67*	
		For 2 Coils, Independent Circuits, Add	*1,903.24*	
23 73 13 00-0032	EA	17,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	17,638.87	3,973.94
		For Flat Filter Box And Throwaway Filters, Add	*1,480.15*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,790.07*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,156.73*	
		For Manual Roll Filter, Add	*7,147.78*	
		For Automatic Roll Filter, Add	*7,745.99*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,558.52*	
		For Electric Heating Coil, Add	*5,951.36*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,951.36*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,353.15*	
		For Steam Heating Coil, Aluminum Fins, Add	*4,754.94*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,873.00*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,147.78*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*6,549.57*	
		For Hot Water Heating Coil, Copper Fins, Add	*4,754.94*	
		For Variable Air Volume, Add	*1,674.99*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,534.93*	
		For 2 Coils, Independent Circuits, Add	*2,003.17*	
23 73 13 00-0033	EA	20,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	19,606.09	4,260.34
		For Flat Filter Box And Throwaway Filters, Add	*1,656.12*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,129.53*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,339.66*	
		For Manual Roll Filter, Add	*7,637.42*	
		For Automatic Roll Filter, Add	*8,042.91*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,312.23*	
		For Electric Heating Coil, Add	*3,582.56*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,015.48*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,339.66*	
		For Steam Heating Coil, Aluminum Fins, Add	*4,663.85*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*3,683.55*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,367.10*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*6,691.29*	
		For Hot Water Heating Coil, Copper Fins, Add	*5,339.66*	
		For Variable Air Volume, Add	*1,892.27*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,800.73*	
		For 2 Coils, Independent Circuits, Add	*2,230.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0034	EA	22,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	21,710.19	4,591.49
		For Flat Filter Box And Throwaway Filters, Add	*1,841.87*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,486.24*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,952.81*	
		For Manual Roll Filter, Add	*8,524.43*	
		For Automatic Roll Filter, Add	*8,978.24*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,683.74*	
		For Electric Heating Coil, Add	*3,986.28*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,709.17*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,952.81*	
		For Steam Heating Coil, Aluminum Fins, Add	*5,196.45*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*4,110.94*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*8,221.88*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,465.53*	
		For Hot Water Heating Coil, Copper Fins, Add	*5,952.81*	
		For Variable Air Volume, Add	*2,117.80*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,887.03*	
		For 2 Coils, Independent Circuits, Add	*2,473.56*	
23 73 13 00-0035	EA	25,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	23,987.59	4,919.69
		For Flat Filter Box And Throwaway Filters, Add	*2,047.09*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,883.18*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,637.31*	
		For Manual Roll Filter, Add	*9,519.53*	
		For Automatic Roll Filter, Add	*10,028.15*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,094.18*	
		For Electric Heating Coil, Add	*4,433.26*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*7,485.02*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,637.31*	
		For Steam Heating Coil, Aluminum Fins, Add	*5,789.60*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*4,590.22*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*9,180.44*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*8,332.73*	
		For Hot Water Heating Coil, Copper Fins, Add	*6,637.31*	
		For Variable Air Volume, Add	*2,373.59*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,965.84*	
		For 2 Coils, Independent Circuits, Add	*2,737.84*	
23 73 13 00-0036	EA	27,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	29,255.02	5,298.38
		For Flat Filter Box And Throwaway Filters, Add	*2,547.19*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,867.40*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*8,347.70*	
		For Manual Roll Filter, Add	*12,034.80*	
		For Automatic Roll Filter, Add	*12,685.47*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,094.38*	
		For Electric Heating Coil, Add	*5,528.16*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*9,432.15*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,347.70*	
		For Steam Heating Coil, Aluminum Fins, Add	*7,263.26*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*5,800.51*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*11,601.03*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*10,516.59*	
		For Hot Water Heating Coil, Copper Fins, Add	*8,347.70*	
		For Variable Air Volume, Add	*3,036.43*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,059.09*	
		For 2 Coils, Independent Circuits, Add	*3,359.28*	
23 73 13 00-0037	EA	30,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	32,590.73	5,655.24
		For Flat Filter Box And Throwaway Filters, Add	*2,855.43*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,468.66*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*9,388.52*	
		For Manual Roll Filter, Add	*13,556.54*	
		For Automatic Roll Filter, Add	*14,292.08*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,710.85*	
		For Electric Heating Coil, Add	*6,201.21*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*10,614.41*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*9,388.52*	
		For Steam Heating Coil, Aluminum Fins, Add	*8,162.63*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*6,533.09*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*13,066.19*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*11,840.30*	
		For Hot Water Heating Coil, Copper Fins, Add	*9,388.52*	
		For Variable Air Volume, Add	*3,432.49*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,975.94*	
		For 2 Coils, Independent Circuits, Add	*3,749.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0038	EA	32,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	35,668.96	6,089.85
		For Flat Filter Box And Throwaway Filters, Add	*3,132.12*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*6,003.38*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*10,310.27*	
		For Manual Roll Filter, Add	*14,895.77*	
		For Automatic Roll Filter, Add	*15,704.97*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*6,264.25*	
		For Electric Heating Coil, Add	*6,803.72*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*11,658.95*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*10,310.27*	
		For Steam Heating Coil, Aluminum Fins, Add	*8,961.60*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*7,178.15*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*14,356.30*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*13,007.62*	
		For Hot Water Heating Coil, Copper Fins, Add	*10,310.27*	
		For Variable Air Volume, Add	*3,776.29*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,069.32*	
		For 2 Coils, Independent Circuits, Add	*4,106.37*	
23 73 13 00-0039	EA	35,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	39,112.51	6,783.14
		For Flat Filter Box And Throwaway Filters, Add	*3,438.87*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*6,594.32*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*11,327.49*	
		For Manual Roll Filter, Add	*16,370.53*	
		For Automatic Roll Filter, Add	*17,260.48*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*6,877.75*	
		For Electric Heating Coil, Add	*7,471.05*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*12,810.74*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*11,327.49*	
		For Steam Heating Coil, Aluminum Fins, Add	*9,844.24*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*7,888.62*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*15,777.23*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*14,293.98*	
		For Hot Water Heating Coil, Copper Fins, Add	*11,327.49*	
		For Variable Air Volume, Add	*4,153.09*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,182.13*	
		For 2 Coils, Independent Circuits, Add	*4,504.55*	
23 73 13 00-0040	EA	37,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	42,058.11	7,014.56
		For Flat Filter Box And Throwaway Filters, Add	*3,705.01*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*7,109.54*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*12,216.33*	
		For Manual Roll Filter, Add	*17,663.48*	
		For Automatic Roll Filter, Add	*18,624.75*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*7,410.02*	
		For Electric Heating Coil, Add	*8,050.86*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*13,818.44*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*12,216.33*	
		For Steam Heating Coil, Aluminum Fins, Add	*10,614.23*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*8,511.32*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*17,022.64*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*15,420.54*	
		For Hot Water Heating Coil, Copper Fins, Add	*12,216.33*	
		For Variable Air Volume, Add	*4,485.89*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,267.40*	
		For 2 Coils, Independent Circuits, Add	*4,846.65*	
23 73 13 00-0041	EA	40,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	45,351.71	7,503.86
		For Flat Filter Box And Throwaway Filters, Add	*3,997.39*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*7,672.10*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*13,184.18*	
		For Manual Roll Filter, Add	*19,065.50*	
		For Automatic Roll Filter, Add	*20,103.38*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*7,994.77*	
		For Electric Heating Coil, Add	*8,686.69*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*14,913.98*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*13,184.18*	
		For Steam Heating Coil, Aluminum Fins, Add	*11,454.38*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*9,186.79*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*18,373.58*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*16,643.78*	
		For Hot Water Heating Coil, Copper Fins, Add	*13,184.18*	
		For Variable Air Volume, Add	*4,843.44*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,174.46*	
		For 2 Coils, Independent Circuits, Add	*5,227.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0042	EA	45,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	48,940.88	8,102.07
		For Flat Filter Box And Throwaway Filters, Add	*4,315.35*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*8,283.45*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*14,235.60*	
		For Manual Roll Filter, Add	*20,587.83*	
		For Automatic Roll Filter, Add	*21,708.82*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*8,630.69*	
		For Electric Heating Coil, Add	*9,378.02*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*16,103.91*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*14,235.60*	
		For Steam Heating Coil, Aluminum Fins, Add	*12,367.30*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*9,920.26*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*19,840.51*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*17,972.21*	
		For Hot Water Heating Coil, Copper Fins, Add	*14,235.60*	
		For Variable Air Volume, Add	*5,231.25*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,276.85*	
		For 2 Coils, Independent Circuits, Add	*5,641.41*	
23 73 13 00-0043	EA	47,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	50,993.85	8,482.63
		For Flat Filter Box And Throwaway Filters, Add	*4,494.61*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*8,626.36*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*14,823.99*	
		For Manual Roll Filter, Add	*21,436.72*	
		For Automatic Roll Filter, Add	*22,603.67*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*8,989.23*	
		For Electric Heating Coil, Add	*9,767.20*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*16,768.91*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*14,823.99*	
		For Steam Heating Coil, Aluminum Fins, Add	*12,879.07*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*10,329.38*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*20,658.75*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*18,713.83*	
		For Hot Water Heating Coil, Copper Fins, Add	*14,823.99*	
		For Variable Air Volume, Add	*5,445.78*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,341.93*	
		For 2 Coils, Independent Circuits, Add	*5,877.35*	
23 73 13 00-0044	EA	50,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	52,926.30	8,808.88
		For Flat Filter Box And Throwaway Filters, Add	*4,663.93*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*8,950.63*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*15,380.68*	
		For Manual Roll Filter, Add	*22,240.55*	
		For Automatic Roll Filter, Add	*23,451.12*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*9,327.85*	
		For Electric Heating Coil, Add	*10,134.89*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*17,398.29*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*15,380.68*	
		For Steam Heating Coil, Aluminum Fins, Add	*13,363.07*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*10,716.76*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*21,433.51*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*19,415.90*	
		For Hot Water Heating Coil, Copper Fins, Add	*15,380.68*	
		For Variable Air Volume, Add	*5,649.31*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,401.76*	
		For 2 Coils, Independent Circuits, Add	*6,099.67*	
23 73 13 00-0045	EA	55,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	57,038.31	9,407.01
		For Flat Filter Box And Throwaway Filters, Add	*5,031.60*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*9,659.87*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*16,602.26*	
		For Manual Roll Filter, Add	*24,013.20*	
		For Automatic Roll Filter, Add	*25,321.01*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*10,063.20*	
		For Electric Heating Coil, Add	*10,935.08*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*18,781.95*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*16,602.26*	
		For Steam Heating Coil, Aluminum Fins, Add	*14,422.58*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*11,570.66*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*23,141.32*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*20,961.64*	
		For Hot Water Heating Coil, Copper Fins, Add	*16,602.26*	
		For Variable Air Volume, Add	*6,103.12*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,510.57*	
		For 2 Coils, Independent Circuits, Add	*6,575.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0046	EA	60,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	62,320.54	10,059.52
		For Flat Filter Box And Throwaway Filters, Add	*5,512.80*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*10,594.04*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*18,215.91*	
		For Manual Roll Filter, Add	*26,364.93*	
		For Automatic Roll Filter, Add	*27,802.99*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*11,025.60*	
		For Electric Heating Coil, Add	*11,984.30*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*20,612.68*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*18,215.91*	
		For Steam Heating Coil, Aluminum Fins, Add	*15,819.14*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*12,703.11*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*25,406.22*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*23,009.45*	
		For Hot Water Heating Coil, Copper Fins, Add	*18,215.91*	
		For Variable Air Volume, Add	*6,710.96*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,338.51*	
		For 2 Coils, Independent Circuits, Add	*7,190.76*	
23 73 13 00-0047	EA	65,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	68,264.91	10,875.16
		For Flat Filter Box And Throwaway Filters, Add	*6,049.69*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*11,633.31*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*20,008.73*	
		For Manual Roll Filter, Add	*28,972.66*	
		For Automatic Roll Filter, Add	*30,554.53*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*12,099.39*	
		For Electric Heating Coil, Add	*13,153.97*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*22,645.18*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*20,008.73*	
		For Steam Heating Coil, Aluminum Fins, Add	*17,372.29*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*13,959.04*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*27,918.08*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*25,281.63*	
		For Hot Water Heating Coil, Copper Fins, Add	*20,008.73*	
		For Variable Air Volume, Add	*7,382.06*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,453.59*	
		For 2 Coils, Independent Circuits, Add	*7,881.07*	
23 73 13 00-0048	EA	70,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	74,900.52	11,799.56
		For Flat Filter Box And Throwaway Filters, Add	*6,645.71*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*12,784.81*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*21,993.46*	
		For Manual Roll Filter, Add	*31,855.79*	
		For Automatic Roll Filter, Add	*33,596.19*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*13,291.42*	
		For Electric Heating Coil, Add	*14,451.69*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*24,894.15*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*21,993.46*	
		For Steam Heating Coil, Aluminum Fins, Add	*19,092.78*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*15,347.76*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*30,695.51*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*27,794.83*	
		For Hot Water Heating Coil, Copper Fins, Add	*21,993.46*	
		For Variable Air Volume, Add	*8,121.91*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,588.69*	
		For 2 Coils, Independent Circuits, Add	*8,650.33*	

23 73 13 00-0049 Multi-Zone Units *(23 73 13)*

Note: Horizontal/vertical blow-thru fan, motor and cabinet.

23 73 13 00-0050	EA	1,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	4,541.05	978.61
		For Economizer, Panel, Controls And Damper(s), Add	*1,618.42*	
		For Flat Filter Box And Throwaway Filters, Add	*384.22*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*726.50*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*925.60*	
		For Manual Roll Filter, Add	*1,868.59*	
		For Automatic Roll Filter, Add	*1,868.59*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*454.11*	
		For Electric Heating Coil, Add	*516.97*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*1,554.26*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*1,554.26*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*1,868.59*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*1,868.59*	
		For 2 Coils, Independent Circuits, Add	*516.97*	
23 73 13 00-0051	EA	1,200 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	5,661.01	1,226.02
		For Economizer, Panel, Controls And Damper(s), Add	*1,866.06*	
		For Flat Filter Box And Throwaway Filters, Add	*478.53*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*904.50*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,152.52*	
		For Manual Roll Filter, Add	*2,325.37*	
		For Automatic Roll Filter, Add	*2,325.37*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*566.10*	
		For Electric Heating Coil, Add	*644.29*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*1,934.42*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*1,934.42*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*2,325.37*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*2,325.37*	
		For 2 Coils, Independent Circuits, Add	*644.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0052	EA	1,600 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	6,932.52	1,304.87
		For Economizer, Panel, Controls And Damper(s), Add	*1,944.76*	
		For Flat Filter Box And Throwaway Filters, Add	*600.06*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,144.19*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,453.54*	
		For Manual Roll Filter, Add	*2,974.11*	
		For Automatic Roll Filter, Add	*2,974.11*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*693.25*	
		For Electric Heating Coil, Add	*794.62*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*2,467.26*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*2,467.26*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*2,974.11*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*2,974.11*	
		For 2 Coils, Independent Circuits, Add	*794.62*	
23 73 13 00-0053	EA	2,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	7,221.37	1,397.30
		For Economizer, Panel, Controls And Damper(s), Add	*2,036.93*	
		For Flat Filter Box And Throwaway Filters, Add	*622.36*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,184.84*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,506.00*	
		For Manual Roll Filter, Add	*3,073.72*	
		For Automatic Roll Filter, Add	*3,073.72*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*722.14*	
		For Electric Heating Coil, Add	*826.65*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*2,551.15*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*2,551.15*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*3,073.72*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*3,073.72*	
		For 2 Coils, Independent Circuits, Add	*826.65*	
23 73 13 00-0054	EA	2,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	8,406.91	1,497.90
		For Economizer, Panel, Controls And Damper(s), Add	*2,137.96*	
		For Flat Filter Box And Throwaway Filters, Add	*733.69*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,403.19*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,780.74*	
		For Manual Roll Filter, Add	*3,660.83*	
		For Automatic Roll Filter, Add	*3,660.83*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*840.69*	
		For Electric Heating Coil, Add	*966.03*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,034.13*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,034.13*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*3,660.83*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*3,660.83*	
		For 2 Coils, Independent Circuits, Add	*966.03*	
23 73 13 00-0055	EA	3,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	8,872.74	1,604.08
		For Economizer, Panel, Controls And Damper(s), Add	*2,244.01*	
		For Flat Filter Box And Throwaway Filters, Add	*772.70*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,476.66*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,874.47*	
		For Manual Roll Filter, Add	*3,848.86*	
		For Automatic Roll Filter, Add	*3,848.86*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*887.27*	
		For Electric Heating Coil, Add	*1,018.90*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,190.73*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,190.73*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*3,848.86*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*3,848.86*	
		For 2 Coils, Independent Circuits, Add	*1,018.90*	
23 73 13 00-0056	EA	3,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	9,361.88	1,712.76
		For Economizer, Panel, Controls And Damper(s), Add	*2,352.63*	
		For Flat Filter Box And Throwaway Filters, Add	*813.86*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,554.32*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,973.48*	
		For Manual Roll Filter, Add	*4,048.06*	
		For Automatic Roll Filter, Add	*4,048.06*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*936.19*	
		For Electric Heating Coil, Add	*1,074.49*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,356.53*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,356.53*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*4,048.06*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,048.06*	
		For 2 Coils, Independent Circuits, Add	*1,074.49*	
23 73 13 00-0057	EA	4,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	10,419.22	1,837.90
		For Economizer, Panel, Controls And Damper(s), Add	*2,190.94*	
		For Flat Filter Box And Throwaway Filters, Add	*910.93*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,743.26*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,211.82*	
		For Manual Roll Filter, Add	*4,551.62*	
		For Automatic Roll Filter, Add	*4,551.62*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,041.92*	
		For Electric Heating Coil, Add	*1,197.91*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,771.69*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,771.69*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*4,551.62*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,551.62*	
		For 2 Coils, Independent Circuits, Add	*1,197.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0058	EA	4,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	11,377.44	1,968.25
		For Economizer, Panel, Controls And Damper(s), Add	*2,296.56*	
		For Flat Filter Box And Throwaway Filters, Add	*997.15*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,909.94*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,422.57*	
		For Manual Roll Filter, Add	*4,992.22*	
		For Automatic Roll Filter, Add	*4,992.22*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,137.74*	
		For Electric Heating Coil, Add	*1,309.05*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*4,135.67*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,135.67*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*4,992.22*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,992.22*	
		For 2 Coils, Independent Circuits, Add	*1,309.05*	
23 73 13 00-0059	EA	5,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	12,033.33	2,102.17
		For Economizer, Panel, Controls And Damper(s), Add	*2,397.98*	
		For Flat Filter Box And Throwaway Filters, Add	*1,053.52*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,017.14*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,558.88*	
		For Manual Roll Filter, Add	*5,269.99*	
		For Automatic Roll Filter, Add	*5,269.99*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,203.33*	
		For Electric Heating Coil, Add	*1,384.07*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*4,366.29*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,366.29*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*5,269.99*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*5,269.99*	
		For 2 Coils, Independent Circuits, Add	*1,384.07*	
23 73 13 00-0060	EA	5,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	13,248.84	2,245.87
		For Economizer, Panel, Controls And Damper(s), Add	*2,515.45*	
		For Flat Filter Box And Throwaway Filters, Add	*1,164.39*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,232.48*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,830.73*	
		For Manual Roll Filter, Add	*5,842.41*	
		For Automatic Roll Filter, Add	*5,842.41*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,324.88*	
		For Electric Heating Coil, Add	*1,525.66*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*4,838.51*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,838.51*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*5,842.41*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*5,842.41*	
		For 2 Coils, Independent Circuits, Add	*1,525.66*	
23 73 13 00-0061	EA	6,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	14,100.96	2,403.57
		For Economizer, Panel, Controls And Damper(s), Add	*2,638.35*	
		For Flat Filter Box And Throwaway Filters, Add	*1,238.43*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,373.86*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,010.24*	
		For Manual Roll Filter, Add	*6,210.52*	
		For Automatic Roll Filter, Add	*6,210.52*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,410.10*	
		For Electric Heating Coil, Add	*1,623.45*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,143.76*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,143.76*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*6,210.52*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*6,210.52*	
		For 2 Coils, Independent Circuits, Add	*1,623.45*	
23 73 13 00-0062	EA	6,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	15,454.11	2,610.04
		For Economizer, Panel, Controls And Damper(s), Add	*2,799.11*	
		For Flat Filter Box And Throwaway Filters, Add	*1,359.13*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,606.49*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,304.68*	
		For Manual Roll Filter, Add	*6,823.22*	
		For Automatic Roll Filter, Add	*6,823.22*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,545.41*	
		For Electric Heating Coil, Add	*1,779.98*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,650.37*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,650.37*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*6,823.22*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*6,823.22*	
		For 2 Coils, Independent Circuits, Add	*1,779.98*	
23 73 13 00-0063	EA	7,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	16,607.33	2,811.31
		For Economizer, Panel, Controls And Damper(s), Add	*2,957.95*	
		For Flat Filter Box And Throwaway Filters, Add	*1,460.01*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,799.59*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,549.66*	
		For Manual Roll Filter, Add	*7,327.52*	
		For Automatic Roll Filter, Add	*7,327.52*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,660.73*	
		For Electric Heating Coil, Add	*1,912.59*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,068.24*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,068.24*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,327.52*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,327.52*	
		For 2 Coils, Independent Circuits, Add	*1,912.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0064	EA	7,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	17,456.89	3,039.61
		For Economizer, Panel, Controls And Damper(s), Add	*2,673.44*	
		For Flat Filter Box And Throwaway Filters, Add	*1,529.01*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,928.01*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,714.18*	
		For Manual Roll Filter, Add	*7,651.17*	
		For Automatic Roll Filter, Add	*7,651.17*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,745.69*	
		For Electric Heating Coil, Add	*2,008.16*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,338.84*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,338.84*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,651.17*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,651.17*	
		For 2 Coils, Independent Circuits, Add	*2,008.16*	
23 73 13 00-0065	EA	8,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	19,342.23	3,278.71
		For Economizer, Panel, Controls And Damper(s), Add	*2,814.62*	
		For Flat Filter Box And Throwaway Filters, Add	*1,699.90*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,259.19*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,132.57*	
		For Manual Roll Filter, Add	*8,529.27*	
		For Automatic Roll Filter, Add	*8,529.27*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,934.22*	
		For Electric Heating Coil, Add	*2,227.34*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*7,063.71*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*7,063.71*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*8,529.27*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*8,529.27*	
		For 2 Coils, Independent Circuits, Add	*2,227.34*	
23 73 13 00-0066	EA	8,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	20,395.60	3,534.27
		For Economizer, Panel, Controls And Damper(s), Add	*2,960.94*	
		For Flat Filter Box And Throwaway Filters, Add	*1,786.94*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,422.32*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,341.05*	
		For Manual Roll Filter, Add	*8,944.03*	
		For Automatic Roll Filter, Add	*8,944.03*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,039.56*	
		For Electric Heating Coil, Add	*2,346.43*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*7,409.70*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*7,409.70*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*8,944.03*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*8,944.03*	
		For 2 Coils, Independent Circuits, Add	*2,346.43*	
23 73 13 00-0067	EA	9,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	21,560.66	3,828.05
		For Economizer, Panel, Controls And Damper(s), Add	*3,120.48*	
		For Flat Filter Box And Throwaway Filters, Add	*1,883.51*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,603.47*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,572.48*	
		For Manual Roll Filter, Add	*9,405.32*	
		For Automatic Roll Filter, Add	*9,405.32*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,156.07*	
		For Electric Heating Coil, Add	*2,478.26*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*7,794.37*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*7,794.37*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*9,405.32*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*9,405.32*	
		For 2 Coils, Independent Circuits, Add	*2,478.26*	
23 73 13 00-0068	EA	10,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	22,822.12	4,132.33
		For Economizer, Panel, Controls And Damper(s), Add	*2,952.16*	
		For Flat Filter Box And Throwaway Filters, Add	*1,986.85*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,796.49*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,819.45*	
		For Manual Roll Filter, Add	*9,893.93*	
		For Automatic Roll Filter, Add	*9,893.93*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,282.21*	
		For Electric Heating Coil, Add	*2,620.51*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*8,202.43*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,202.43*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*9,893.93*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*9,893.93*	
		For 2 Coils, Independent Circuits, Add	*2,620.51*	
23 73 13 00-0069	EA	11,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	23,480.68	4,290.25
		For Economizer, Panel, Controls And Damper(s), Add	*3,023.01*	
		For Flat Filter Box And Throwaway Filters, Add	*2,040.90*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,897.50*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,948.66*	
		For Manual Roll Filter, Add	*10,149.85*	
		For Automatic Roll Filter, Add	*10,149.85*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,348.07*	
		For Electric Heating Coil, Add	*2,694.81*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*8,416.12*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,416.12*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*10,149.85*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*10,149.85*	
		For 2 Coils, Independent Circuits, Add	*2,694.81*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0070	EA	12,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	24,103.76	4,443.36
		For Economizer, Panel, Controls And Damper(s), Add	*3,083.22*	
		For Flat Filter Box And Throwaway Filters, Add	*2,093.17*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,996.02*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,074.33*	
		For Manual Roll Filter, Add	*10,402.23*	
		For Automatic Roll Filter, Add	*10,402.23*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,410.38*	
		For Electric Heating Coil, Add	*2,765.57*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*8,626.26*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,626.26*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*10,402.23*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*10,402.23*	
		For 2 Coils, Independent Circuits, Add	*2,765.57*	
23 73 13 00-0071	EA	13,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	27,130.50	4,621.95
		For Economizer, Panel, Controls And Damper(s), Add	*2,724.09*	
		For Flat Filter Box And Throwaway Filters, Add	*2,382.03*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,565.44*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,789.56*	
		For Manual Roll Filter, Add	*11,942.58*	
		For Automatic Roll Filter, Add	*11,942.58*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,713.05*	
		For Electric Heating Coil, Add	*3,123.25*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*9,891.57*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*9,891.57*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*11,942.58*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*11,942.58*	
		For 2 Coils, Independent Circuits, Add	*3,123.25*	
23 73 13 00-0072	EA	15,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	30,128.03	4,805.03
		For Economizer, Panel, Controls And Damper(s), Add	*2,936.82*	
		For Flat Filter Box And Throwaway Filters, Add	*2,669.43*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,132.82*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,501.87*	
		For Manual Roll Filter, Add	*13,480.01*	
		For Automatic Roll Filter, Add	*13,480.01*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,012.80*	
		For Electric Heating Coil, Add	*3,478.01*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*11,153.97*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*11,153.97*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*13,480.01*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*13,480.01*	
		For 2 Coils, Independent Circuits, Add	*3,478.01*	
23 73 13 00-0073	EA	16,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	34,475.92	4,986.26
		For Economizer, Panel, Controls And Damper(s), Add	*2,980.88*	
		For Flat Filter Box And Throwaway Filters, Add	*3,091.63*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,969.67*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*7,551.08*	
		For Manual Roll Filter, Add	*15,758.06*	
		For Automatic Roll Filter, Add	*15,758.06*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,447.59*	
		For Electric Heating Coil, Add	*3,994.72*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*13,022.40*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*13,022.40*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*15,758.06*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*15,758.06*	
		For 2 Coils, Independent Circuits, Add	*3,994.72*	
23 73 13 00-0074	EA	17,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	38,827.36	5,165.70
		For Economizer, Panel, Controls And Damper(s), Add	*3,025.56*	
		For Flat Filter Box And Throwaway Filters, Add	*3,514.00*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*6,806.77*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*8,600.64*	
		For Manual Roll Filter, Add	*18,036.46*	
		For Automatic Roll Filter, Add	*18,036.46*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,882.74*	
		For Electric Heating Coil, Add	*4,511.79*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*14,891.18*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*14,891.18*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*18,036.46*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*18,036.46*	
		For 2 Coils, Independent Circuits, Add	*4,511.79*	
23 73 13 00-0075	EA	20,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	43,538.08	5,600.71
		For Economizer, Panel, Controls And Damper(s), Add	*3,134.84*	
		For Flat Filter Box And Throwaway Filters, Add	*3,953.85*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,890.79*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*9,684.66*	
		For Manual Roll Filter, Add	*15,015.51*	
		For Automatic Roll Filter, Add	*18,569.41*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,353.81*	
		For Electric Heating Coil, Add	*5,064.59*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*15,015.51*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*15,015.51*	
		For Steam Heating Coil, Aluminum Fins, Add	*7,907.71*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*18,569.41*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*18,569.41*	
		For 2 Coils, Independent Circuits, Add	*5,064.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0076	EA	22,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	46,961.48	6,090.09
		For Economizer, Panel, Controls And Damper(s), Add	*3,062.86*	
		For Flat Filter Box And Throwaway Filters, Add	*4,263.53*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*6,352.03*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*10,442.51*	
		For Manual Roll Filter, Add	*16,188.86*	
		For Automatic Roll Filter, Add	*20,019.77*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,696.15*	
		For Electric Heating Coil, Add	*5,462.33*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*16,188.86*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*16,188.86*	
		For Steam Heating Coil, Aluminum Fins, Add	*8,527.05*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*20,019.77*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*20,019.77*	
		For 2 Coils, Independent Circuits, Add	*5,462.33*	
23 73 13 00-0077	EA	25,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	55,839.11	6,579.23
		For Economizer, Panel, Controls And Damper(s), Add	*3,174.51*	
		For Flat Filter Box And Throwaway Filters, Add	*5,114.07*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*7,624.13*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*12,550.26*	
		For Manual Roll Filter, Add	*19,516.62*	
		For Automatic Roll Filter, Add	*24,160.85*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,583.91*	
		For Electric Heating Coil, Add	*6,512.76*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*19,516.62*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*19,516.62*	
		For Steam Heating Coil, Aluminum Fins, Add	*10,228.15*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*24,160.85*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*24,160.85*	
		For 2 Coils, Independent Circuits, Add	*6,512.76*	
23 73 13 00-0078	EA	27,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	63,028.08	7,123.23
		For Economizer, Panel, Controls And Damper(s), Add	*3,289.24*	
		For Flat Filter Box And Throwaway Filters, Add	*5,794.73*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*8,641.28*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*14,232.78*	
		For Manual Roll Filter, Add	*22,162.76*	
		For Automatic Roll Filter, Add	*27,449.40*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*6,302.81*	
		For Electric Heating Coil, Add	*7,360.14*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*22,162.76*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*22,162.76*	
		For Steam Heating Coil, Aluminum Fins, Add	*11,589.46*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*27,449.40*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*27,449.40*	
		For 2 Coils, Independent Circuits, Add	*7,360.14*	
23 73 13 00-0079	EA	30,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	68,303.67	7,667.22
		For Economizer, Panel, Controls And Damper(s), Add	*3,408.70*	
		For Flat Filter Box And Throwaway Filters, Add	*6,282.47*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*9,368.91*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*15,432.22*	
		For Manual Roll Filter, Add	*24,034.08*	
		For Automatic Roll Filter, Add	*29,768.65*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*6,830.37*	
		For Electric Heating Coil, Add	*7,977.28*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*24,034.08*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*24,034.08*	
		For Steam Heating Coil, Aluminum Fins, Add	*12,564.94*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*29,768.65*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*29,768.65*	
		For 2 Coils, Independent Circuits, Add	*7,977.28*	
23 73 13 00-0080	EA	32,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	76,456.30	8,971.78
		For Economizer, Panel, Controls And Damper(s), Add	*3,430.54*	
		For Flat Filter Box And Throwaway Filters, Add	*7,005.41*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*10,444.10*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*17,193.42*	
		For Manual Roll Filter, Add	*26,741.22*	
		For Automatic Roll Filter, Add	*33,106.41*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*7,645.63*	
		For Electric Heating Coil, Add	*8,918.67*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*26,741.22*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*26,741.22*	
		For Steam Heating Coil, Aluminum Fins, Add	*14,010.83*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*33,106.41*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*33,106.41*	
		For 2 Coils, Independent Circuits, Add	*8,918.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0081	EA	35,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	76,935.19	9,298.26
		For Economizer, Panel, Controls And Damper(s), Add	*3,490.40*	
		For Flat Filter Box And Throwaway Filters, Add	*7,029.36*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*10,477.62*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*17,241.31*	
		For Manual Roll Filter, Add	*26,789.11*	
		For Automatic Roll Filter, Add	*33,154.30*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*7,693.52*	
		For Electric Heating Coil, Add	*8,966.56*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*26,789.11*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*26,789.11*	
		For Steam Heating Coil, Aluminum Fins, Add	*14,058.72*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*33,154.30*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*33,154.30*	
		For 2 Coils, Independent Circuits, Add	*8,966.56*	
23 73 13 00-0082	EA	37,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	80,439.52	9,624.21
		For Economizer, Panel, Controls And Damper(s), Add	*3,550.27*	
		For Flat Filter Box And Throwaway Filters, Add	*7,355.85*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*10,964.96*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*18,045.56*	
		For Manual Roll Filter, Add	*28,047.17*	
		For Automatic Roll Filter, Add	*34,714.91*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*8,043.95*	
		For Electric Heating Coil, Add	*9,377.50*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*28,047.17*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*28,047.17*	
		For Steam Heating Coil, Aluminum Fins, Add	*14,711.69*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*34,714.91*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*34,714.91*	
		For 2 Coils, Independent Circuits, Add	*9,377.50*	
23 73 13 00-0083	EA	40,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	84,236.00	10,331.40
		For Economizer, Panel, Controls And Damper(s), Add	*3,673.66*	
		For Flat Filter Box And Throwaway Filters, Add	*7,686.14*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*11,455.46*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*18,846.61*	
		For Manual Roll Filter, Add	*29,269.62*	
		For Automatic Roll Filter, Add	*36,218.29*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*8,423.60*	
		For Electric Heating Coil, Add	*9,813.33*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*29,269.62*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*29,269.62*	
		For Steam Heating Coil, Aluminum Fins, Add	*15,372.27*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*36,218.29*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*36,218.29*	
		For 2 Coils, Independent Circuits, Add	*9,813.33*	
23 73 13 00-0084	EA	45,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	90,690.45	10,875.16
		For Economizer, Panel, Controls And Damper(s), Add	*3,763.40*	
		For Flat Filter Box And Throwaway Filters, Add	*8,295.69*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*12,366.19*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*20,352.53*	
		For Manual Roll Filter, Add	*31,636.02*	
		For Automatic Roll Filter, Add	*39,158.35*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*9,069.05*	
		For Electric Heating Coil, Add	*10,573.51*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*31,636.02*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*31,636.02*	
		For Steam Heating Coil, Aluminum Fins, Add	*16,591.37*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*39,158.35*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*39,158.35*	
		For 2 Coils, Independent Circuits, Add	*10,573.51*	
23 73 13 00-0085	EA	50,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	97,449.61	11,473.30
		For Economizer, Panel, Controls And Damper(s), Add	*3,541.12*	
		For Flat Filter Box And Throwaway Filters, Add	*8,924.40*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*13,304.54*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*21,900.72*	
		For Manual Roll Filter, Add	*34,056.47*	
		For Automatic Roll Filter, Add	*42,160.31*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*9,744.96*	
		For Electric Heating Coil, Add	*11,365.73*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*34,056.47*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*34,056.47*	
		For Steam Heating Coil, Aluminum Fins, Add	*17,848.80*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*42,160.31*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*42,160.31*	
		For 2 Coils, Independent Circuits, Add	*11,365.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0086	EA	55,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	104,912.45	12,180.18
		For Economizer, Panel, Controls And Damper(s), Add	*3,639.10*	
		For Flat Filter Box And Throwaway Filters, Add	*9,621.69*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*14,345.59*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*23,619.46*	
		For Manual Roll Filter, Add	*36,747.68*	
		For Automatic Roll Filter, Add	*45,499.82*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*10,491.25*	
		For Electric Heating Coil, Add	*12,241.67*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*36,747.68*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*36,747.68*	
		For Steam Heating Coil, Aluminum Fins, Add	*19,243.39*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*45,499.82*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*45,499.82*	
		For 2 Coils, Independent Circuits, Add	*12,241.67*	
23 73 13 00-0087	EA	60,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	112,369.59	12,506.43
		For Economizer, Panel, Controls And Damper(s), Add	*3,683.47*	
		For Flat Filter Box And Throwaway Filters, Add	*10,345.23*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*15,428.67*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*25,417.20*	
		For Manual Roll Filter, Add	*39,597.44*	
		For Automatic Roll Filter, Add	*49,050.94*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*11,236.96*	
		For Electric Heating Coil, Add	*13,127.66*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*39,597.44*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*39,597.44*	
		For Steam Heating Coil, Aluminum Fins, Add	*20,690.45*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*49,050.94*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*49,050.94*	
		For 2 Coils, Independent Circuits, Add	*13,127.66*	

23 73 13 00-0088 Return/Supply Air Fan *(23 73 13)*

Note: Includes vibration mounts.

23 73 13 00-0089	EA	300 CFM Return Air Fan	1,966.62	434.93
23 73 13 00-0090	EA	500 CFM Return Air Fan	2,538.01	521.93
23 73 13 00-0091	EA	750 CFM Return Air Fan	2,650.59	543.68
23 73 13 00-0092	EA	1,000 CFM Return Air Fan	3,012.71	576.31
23 73 13 00-0093	EA	1,250 CFM Return Air Fan	3,107.21	603.50
23 73 13 00-0094	EA	1,500 CFM Return Air Fan	3,183.07	630.69
23 73 13 00-0095	EA	1,750 CFM Return Air Fan	3,341.10	663.31
23 73 13 00-0096	EA	2,000 CFM Return Air Fan	3,703.22	695.94
23 73 13 00-0097	EA	2,250 CFM Return Air Fan	3,879.73	728.56
23 73 13 00-0098	EA	2,500 CFM Return Air Fan	3,982.03	761.19
23 73 13 00-0099	EA	3,000 CFM Return Air Fan	4,228.21	842.75
23 73 13 00-0100	EA	3,500 CFM Return Air Fan	4,346.17	886.24
23 73 13 00-0101	EA	4,000 CFM Return Air Fan	4,456.19	924.31
23 73 13 00-0102	EA	4,500 CFM Return Air Fan	4,592.70	967.89
23 73 13 00-0103	EA	5,000 CFM Return Air Fan	4,718.19	1,016.83
23 73 13 00-0104	EA	5,500 CFM Return Air Fan	4,963.16	1,136.46
23 73 13 00-0105	EA	6,000 CFM Return Air Fan	5,655.75	1,348.52
23 73 13 00-0106	EA	6,500 CFM Return Air Fan	5,798.63	1,370.27
23 73 13 00-0107	EA	7,000 CFM Return Air Fan	5,861.73	1,375.71
23 73 13 00-0108	EA	8,000 CFM Return Air Fan	6,153.06	1,397.46
23 73 13 00-0109	EA	9,000 CFM Return Air Fan	6,285.14	1,413.77
23 73 13 00-0110	EA	10,000 CFM Return Air Fan	6,606.72	1,468.38
23 73 13 00-0111	EA	12,500 CFM Return Air Fan	7,015.29	1,495.26
23 73 13 00-0112	EA	15,000 CFM Return Air Fan	7,875.05	1,537.74
23 73 13 00-0113	EA	17,500 CFM Return Air Fan	8,568.12	1,620.32
23 73 13 00-0114	EA	20,000 CFM Return Air Fan	10,116.17	1,690.86
23 73 13 00-0115	EA	22,500 CFM Return Air Fan	10,595.45	1,749.82
23 73 13 00-0116	EA	25,000 CFM Return Air Fan	11,065.76	1,799.84
23 73 13 00-0117	EA	27,500 CFM Return Air Fan	11,751.87	1,979.28
23 73 13 00-0118	EA	30,000 CFM Return Air Fan	12,555.94	2,087.88
23 73 13 00-0119	EA	35,000 CFM Return Air Fan	14,109.85	2,174.80
23 73 13 00-0120	EA	40,000 CFM Return Air Fan	16,573.21	2,392.30
23 73 13 00-0121	EA	45,000 CFM Return Air Fan	20,323.05	2,718.56
23 73 13 00-0122	EA	50,000 CFM Return Air Fan	24,582.96	2,816.66
23 73 13 00-0123	EA	55,000 CFM Return Air Fan	25,715.99	2,898.00
23 73 13 00-0124	EA	60,000 CFM Return Air Fan	26,311.59	2,974.12
23 73 13 00-0125	EA	65,000 CFM Return Air Fan	27,588.20	3,104.54
23 73 13 00-0126	EA	70,000 CFM Return Air Fan	28,976.09	3,257.43
23 73 13 00-0127	EA	75,000 CFM Return Air Fan	31,139.76	3,417.20
23 73 13 00-0128	EA	80,000 CFM Return Air Fan	32,530.41	3,598.35
23 73 13 00-0129	EA	90,000 CFM Return Air Fan	33,616.04	3,803.27
23 73 13 00-0130	EA	100,000 CFM Return Air Fan	36,109.37	3,977.35
23 73 13 00-0131	EA	115,000 CFM Return Air Fan	38,812.03	4,167.59
23 73 13 00-0132	EA	130,000 CFM Return Air Fan	41,746.15	4,377.56
23 73 13 00-0133	EA	150,000 CFM Return Air Fan	45,621.15	4,610.75

23 73 13 00-0134 Removal And Reinstallation Of Air Handling Unit *(23 73 13)*

Note: Air handling units with filter and coils. Includes storage and cleaning. Excludes ductwork.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0135	EA	Remove And Reinstall Air Handling Unit Up To 11,500 CFM	1,991.79	
23 73 13 00-0136	EA	Remove And Reinstall Air Handling Unit, >11,500 To 16,500 CFM	2,701.90	
23 73 13 00-0137	EA	Remove And Reinstall Air Handling Unit, >16,500 To 22,000 CFM	3,361.14	
23 73 13 00-0138	EA	Remove And Reinstall Air Handling Unit, >22,000 CFM	6,132.61	

23 74 Packaged Outdoor HVAC Equipment *(23 70)*

23 74 13 Packaged, Outdoor, Central-Station Air-Handling Units *(23 74)*

Note: Includes throwaway filters, filter rack, and manual outside air damper. Units are shipped fully factory assembled in one piece, prewired, prepiped, charged with refrigerant, and include start-up. Excludes crane and associated personnel.

23 74 13 00-0001 Electric Cooling, Electric Heat, Packaged, Outdoor, Central-Station Air-Handling Units *(23 74 13)*

23 74 13 00-0002 Electric Cooling, Electric Heat, Self Contained Packaged Rooftop Unit *(23 74 13 00-0001)*

Note: Units up to 5 tons have 13 SEER. Units >5 to 11 tons have 10.3 EER, >11 to 19 tons have 9.7 EER, >19 to 63 tons have 9.5 EER and >63 tons have 9.2 EER. Excludes crane and associated personnel. See CSI section 26 28 16 00-0001 for disconnects.

23 74 13 00-0003	EA	2 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	2,801.16	265.44
		For Unit Without Heat, Deduct	*-340.54*	
		For Unit Economizer, Add	*325.52*	
		For Equipment Base Roof Curbs, Add	*223.36*	
23 74 13 00-0004	EA	3 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	4,110.73	356.46
		For Unit Without Heat, Deduct	*-510.81*	
		For Unit Economizer, Add	*479.18*	
		For Equipment Base Roof Curbs, Add	*325.94*	
23 74 13 00-0005	EA	4 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	5,110.15	409.55
		For Unit Without Heat, Deduct	*-643.66*	
		For Unit Economizer, Add	*596.84*	
		For Equipment Base Roof Curbs, Add	*403.74*	
23 74 13 00-0006	EA	5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	6,251.17	439.88
		For Unit Without Heat, Deduct	*-804.57*	
		For Unit Economizer, Add	*732.39*	
		For Equipment Base Roof Curbs, Add	*491.02*	
23 74 13 00-0007	EA	7-1/2 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	8,579.07	500.56
		For Unit Without Heat, Deduct	*-1,136.69*	
		For Unit Economizer, Add	*1,009.47*	
		For Equipment Base Roof Curbs, Add	*668.46*	
23 74 13 00-0008	EA	10 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	12,333.69	561.23
		For Unit Without Heat, Deduct	*-1,515.59*	
		For Unit Economizer, Add	*1,435.45*	
		For Equipment Base Roof Curbs, Add	*980.77*	
23 74 13 00-0009	EA	12-1/2 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	14,988.60	591.56
		For Unit Without Heat, Deduct	*-1,894.49*	
		For Unit Economizer, Add	*1,751.46*	
		For Equipment Base Roof Curbs, Add	*1,183.11*	
23 74 13 00-0010	EA	15 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	17,764.87	652.24
		For Unit Without Heat, Deduct	*-2,273.39*	
		For Unit Economizer, Add	*2,079.61*	
		For Equipment Base Roof Curbs, Add	*1,397.59*	
23 74 13 00-0011	EA	20 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	21,941.06	743.25
		For Unit Without Heat, Deduct	*-2,844.07*	
		For Unit Economizer, Add	*2,573.32*	
		For Equipment Base Roof Curbs, Add	*1,720.09*	
23 74 13 00-0012	EA	25 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	27,295.50	902.52
		For Unit Without Heat, Deduct	*-3,555.09*	
		For Unit Economizer, Add	*3,203.56*	
		For Equipment Base Roof Curbs, Add	*2,137.04*	
23 74 13 00-0013	EA	30 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	32,657.53	1,054.21
		For Unit Without Heat, Deduct	*-4,266.11*	
		For Unit Economizer, Add	*3,834.57*	
		For Equipment Base Roof Curbs, Add	*2,554.74*	
23 74 13 00-0014	EA	35 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	38,140.89	1,243.81
		For Unit Without Heat, Deduct	*-4,977.13*	
		For Unit Economizer, Add	*4,477.71*	
		For Equipment Base Roof Curbs, Add	*2,984.57*	
23 74 13 00-0015	EA	40 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	41,068.79	1,410.66
		For Unit Without Heat, Deduct	*-5,313.92*	
		For Unit Economizer, Add	*4,815.40*	
		For Equipment Base Roof Curbs, Add	*3,221.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 13 00-0016	EA	50 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	50,486.57	1,554.76
		For Unit Without Heat, Deduct	*-6,642.41*	
		For Unit Economizer, Add	*5,934.31*	
		For Equipment Base Roof Curbs, Add	*3,941.59*	
23 74 13 00-0017	EA	60 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	57,593.15	1,858.13
		For Unit Without Heat, Deduct	*-7,521.82*	
		For Unit Economizer, Add	*6,762.22*	
		For Equipment Base Roof Curbs, Add	*4,505.68*	
23 74 13 00-0018	EA	70 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	66,693.98	2,047.73
		For Unit Without Heat, Deduct	*-8,775.46*	
		For Unit Economizer, Add	*7,839.46*	
		For Equipment Base Roof Curbs, Add	*5,206.82*	
23 74 13 00-0019	EA	75 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	71,053.89	2,169.08
		For Unit Without Heat, Deduct	*-9,355.50*	
		For Unit Economizer, Add	*8,352.79*	
		For Equipment Base Roof Curbs, Add	*5,546.14*	

23 74 13 00-0020 Electric Cooling, Gas Heat, Packaged, Outdoor, Central-Station Air-Handling Units *(23 74 13)*

23 74 13 00-0021 Electric Cooling, Gas Heat, Self Contained Package Rooftop Unit *(23 74 13 00-0020)*

Note: Units up to 5 tons have 13 SEER. Units >5 to 19 tons have 11 EER, >19 to 63 tons have 9.3 EER and >63 tons have 9.0 EER. Excludes crane and associated personnel.

23 74 13 00-0022	EA	2 Ton Electric Cooling, 60 MBH Gas Heating, Self Contained Package Rooftop Unit	3,419.50	136.51
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-156.94*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-62.78*	
		For Unit Economizer, Add	*404.73*	
		For Equipment Base Roof Curb, Add	*263.48*	
23 74 13 00-0023	EA	3 Ton Electric Cooling, 60 MBH Gas Heating, Self Contained Package Rooftop Unit	3,327.53	159.27
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-150.45*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-60.18*	
		For Unit Economizer, Add	*392.93*	
		For Equipment Base Roof Curb, Add	*257.53*	
23 74 13 00-0024	EA	4 Ton Electric Cooling, 80 MBH Gas Heating, Self Contained Package Rooftop Unit	3,892.12	166.85
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-178.30*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-71.32*	
		For Unit Economizer, Add	*460.53*	
		For Equipment Base Roof Curb, Add	*300.06*	
23 74 13 00-0025	EA	5 Ton Electric Cooling, 100 MBH Gas Heating, Self Contained Package Rooftop Unit	4,391.55	204.78
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-199.10*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-79.64*	
		For Unit Economizer, Add	*518.80*	
		For Equipment Base Roof Curb, Add	*339.61*	
23 74 13 00-0026	EA	6 Ton Electric Cooling, 140 MBH Gas Heating, Self Contained Package Rooftop Unit	5,065.88	219.94
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-231.30*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-92.52*	
		For Unit Economizer, Add	*599.11*	
		For Equipment Base Roof Curb, Add	*390.94*	
23 74 13 00-0027	EA	7.5 Ton Electric Cooling, 150 MBH Gas Heating, Self Contained Package Rooftop Unit	6,456.22	235.11
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-299.30*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-119.72*	
		For Unit Economizer, Add	*765.34*	
		For Equipment Base Roof Curb, Add	*495.97*	
23 74 13 00-0028	EA	8.5 Ton Electric Cooling, 150 MBH Gas Heating, Self Contained Package Rooftop Unit	7,189.39	242.70
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-335.20*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-134.08*	
		For Unit Economizer, Add	*853.02*	
		For Equipment Base Roof Curb, Add	*551.34*	
23 74 13 00-0029	EA	10 Ton Electric Cooling, 200 MBH Gas Heating, Self Contained Package Rooftop Unit	7,621.22	250.28
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-356.41*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-142.57*	
		For Unit Economizer, Add	*904.69*	
		For Equipment Base Roof Curb, Add	*583.92*	
23 74 13 00-0030	EA	12.5 Ton Electric Cooling, 250 MBH Gas Heating, Self Contained Package Rooftop Unit	10,153.62	310.95
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-476.59*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-190.63*	
		For Unit Economizer, Add	*1,206.00*	
		For Equipment Base Roof Curb, Add	*777.07*	
23 74 13 00-0031	EA	15 Ton Electric Cooling, 300 MBH Gas Heating, Self Contained Package Rooftop Unit	12,616.81	371.63
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-593.68*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-237.47*	
		For Unit Economizer, Add	*1,499.15*	
		For Equipment Base Roof Curb, Add	*964.84*	
23 74 13 00-0032	EA	18 Ton Electric Cooling, 300 MBH Gas Heating, Self Contained Package Rooftop Unit	15,031.33	432.29
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-708.72*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-283.49*	
		For Unit Economizer, Add	*1,786.62*	
		For Equipment Base Roof Curb, Add	*1,148.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 13 00-0033	EA	20 Ton Electric Cooling, 300 MBH Gas Heating, Self Contained Package Rooftop Unit	17,461.66	485.39
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-824.17*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-329.67*	
		For Unit Economizer, Add	*2,075.83*	
		For Equipment Base Roof Curb, Add	*1,334.08*	
23 74 13 00-0034	EA	25 Ton Electric Cooling, 400 MBH Gas Heating, Self Contained Package Rooftop Unit	17,936.65	621.90
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-834.64*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-333.86*	
		For Unit Economizer, Add	*2,127.52*	
		For Equipment Base Roof Curb, Add	*1,376.34*	
23 74 13 00-0035	EA	30 Ton Electric Cooling, 500 MBH Gas Heating, Self Contained Package Rooftop Unit	18,698.59	758.41
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-859.09*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-343.64*	
		For Unit Economizer, Add	*2,213.49*	
		For Equipment Base Roof Curb, Add	*1,440.32*	
23 74 13 00-0036	EA	40 Ton Electric Cooling, 600 MBH Gas Heating, Self Contained Package Rooftop Unit	25,629.59	910.11
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-1,190.85*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-476.34*	
		For Unit Economizer, Add	*3,039.30*	
		For Equipment Base Roof Curb, Add	*1,967.53*	
23 74 13 00-0037	EA	50 Ton Electric Cooling, 750 MBH Gas Heating, Self Contained Package Rooftop Unit	31,540.10	1,137.63
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-1,463.24*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-585.30*	
		For Unit Economizer, Add	*3,739.31*	
		For Equipment Base Roof Curb, Add	*2,422.39*	
23 74 13 00-0038	EA	60 Ton Electric Cooling, 900 MBH Gas Heating, Self Contained Package Rooftop Unit	36,696.24	1,236.23
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-1,711.19*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-684.48*	
		For Unit Economizer, Add	*4,354.10*	
		For Equipment Base Roof Curb, Add	*2,814.03*	
23 74 13 00-0039	EA	80 Ton Electric Cooling, 1,000 MBH Gas Heating, Self Contained Package Rooftop Unit	52,430.76	1,486.50
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-2,473.27*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-989.31*	
		For Unit Economizer, Add	*6,232.38*	
		For Equipment Base Roof Curb, Add	*4,006.44*	
23 74 13 00-0040	EA	90 Ton Electric Cooling, 1,200 MBH Gas Heating, Self Contained Package Rooftop Unit	61,493.36	1,554.76
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-2,919.57*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-1,167.83*	
		For Unit Economizer, Add	*7,317.16*	
		For Equipment Base Roof Curb, Add	*4,689.55*	
23 74 13 00-0041	EA	100 Ton Electric Cooling, 1,350 MBH Gas Heating, Self Contained Package Rooftop Unit	66,192.97	1,706.44
		For Hot Water Heating Coil Instead Of Gas, Deduct	*-3,139.00*	
		For Steam Heating Coil Instead Of Gas, Deduct	*-1,255.60*	
		For Unit Economizer, Add	*7,874.90*	
		For Equipment Base Roof Curb, Add	*5,049.79*	

23 74 13 00-0042 Gas Cooling, Gas Heat, Self Contained Package Rooftop Unit *(23 74 13)*

Note: Units up to 5 tons have 13 SEER. Units > 5 to 11 tons have 10.1 EER, >11 to 19 tons have 9.5 EER, >19 to 63 tons have 9.3 EER and >63 tons have 9.0 EER. Excludes crane and associated personnel.

23 74 13 00-0043	EA	2 Ton Gas Cooling, 80 MBH Gas Heating, Self Contained Package Rooftop Unit	4,017.86	204.78
		For Unit Economizer, Add	*476.53*	
		For Equipment Base Roof Curb, Add	*308.35*	
23 74 13 00-0044	EA	3 Ton Gas Cooling, 90 MBH Gas Heating, Self Contained Package Rooftop Unit	4,326.68	235.11
		For Unit Economizer, Add	*512.83*	
		For Equipment Base Roof Curb, Add	*332.46*	
23 74 13 00-0045	EA	4 Ton Gas Cooling, 110 MBH Gas Heating, Self Contained Package Rooftop Unit	4,696.91	242.70
		For Unit Economizer, Add	*557.11*	
		For Equipment Base Roof Curb, Add	*360.42*	
23 74 13 00-0046	EA	5 Ton Gas Cooling, 112 MBH Gas Heating, Self Contained Package Rooftop Unit	5,215.49	303.37
		For Unit Economizer, Add	*617.67*	
		For Equipment Base Roof Curb, Add	*401.40*	
23 74 13 00-0047	EA	6 Ton Gas Cooling, 150 MBH Gas Heating, Self Contained Package Rooftop Unit	7,415.59	326.12
		For Unit Economizer, Add	*881.07*	
		For Equipment Base Roof Curb, Add	*567.17*	
23 74 13 00-0048	EA	7.5 Ton Gas Cooling, 200 MBH Gas Heating, Self Contained Package Rooftop Unit	9,614.95	348.87
		For Unit Economizer, Add	*1,144.39*	
		For Equipment Base Roof Curb, Add	*732.88*	
23 74 13 00-0049	EA	10 Ton Gas Cooling, 270 MBH Gas Heating, Self Contained Package Rooftop Unit	13,464.54	371.63
		For Unit Economizer, Add	*1,605.89*	
		For Equipment Base Roof Curb, Add	*1,022.16*	
23 74 13 00-0050	EA	12.5 Ton Gas Cooling, 335 MBH Gas Heating, Self Contained Package Rooftop Unit	15,461.36	462.63
		For Unit Economizer, Add	*1,842.93*	
		For Equipment Base Roof Curb, Add	*1,175.15*	
23 74 13 00-0051	EA	15 Ton Gas Cooling, 375 MBH Gas Heating, Self Contained Package Rooftop Unit	17,447.80	553.65
		For Unit Economizer, Add	*2,078.87*	
		For Equipment Base Roof Curb, Add	*1,327.17*	
23 74 13 00-0052	EA	18 Ton Gas Cooling, 400 MBH Gas Heating, Self Contained Package Rooftop Unit	22,756.42	644.65
		For Unit Economizer, Add	*2,713.63*	
		For Equipment Base Roof Curb, Add	*1,728.16*	
23 74 13 00-0053	EA	20 Ton Gas Cooling, 450 MBH Gas Heating, Self Contained Package Rooftop Unit	28,069.12	728.09
		For Unit Economizer, Add	*3,348.73*	
		For Equipment Base Roof Curb, Add	*2,129.64*	
23 74 13 00-0054	EA	25 Ton Gas Cooling, 525 MBH Gas Heating, Self Contained Package Rooftop Unit	33,496.75	932.85
		For Unit Economizer, Add	*3,994.73*	
		For Equipment Base Roof Curb, Add	*2,543.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 13 00-0055	EA	30 Ton Gas Cooling, 650 MBH Gas Heating, Self Contained Package Rooftop Unit	39,657.22	1,137.63
		For Unit Economizer, Add	*4,728.53*	
		For Equipment Base Roof Curb, Add	*3,012.21*	
23 74 13 00-0056	EA	40 Ton Gas Cooling, 800 MBH Gas Heating, Self Contained Package Rooftop Unit	51,471.91	1,357.57
		For Unit Economizer, Add	*6,140.38*	
		For Equipment Base Roof Curb, Add	*3,905.71*	
23 74 13 00-0057	EA	50 Ton Gas Cooling, 1,000 MBH Gas Heating, Self Contained Package Rooftop Unit	62,600.19	1,706.44
		For Unit Economizer, Add	*7,466.52*	
		For Equipment Base Roof Curb, Add	*4,751.90*	
23 74 13 00-0058	EA	60 Ton Gas Cooling, 1,200 MBH Gas Heating, Self Contained Package Rooftop Unit	70,732.63	1,858.13
		For Unit Economizer, Add	*8,438.47*	
		For Equipment Base Roof Curb, Add	*5,366.76*	
23 74 13 00-0059	EA	80 Ton Gas Cooling, 1,300 MBH Gas Heating, Self Contained Package Rooftop Unit	116,447.97	2,222.17
		For Unit Economizer, Add	*13,914.45*	
		For Equipment Base Roof Curb, Add	*8,807.73*	
23 74 13 00-0060	EA	90 Ton Gas Cooling, 1,500 MBH Gas Heating, Self Contained Package Rooftop Unit	137,062.55	2,328.34
		For Unit Economizer, Add	*16,385.47*	
		For Equipment Base Roof Curb, Add	*10,357.24*	
23 74 13 00-0061	EA	100 Ton Gas Cooling, 1,700 MBH Gas Heating, Self Contained Package Rooftop Unit	147,441.88	2,555.87
		For Unit Economizer, Add	*17,624.77*	
		For Equipment Base Roof Curb, Add	*11,143.46*	

23 74 13 00-0062 Heat Pump, Packaged, Outdoor, Central-Station Air-Handling Units *(23 74 13)*

Note: Includes evaporator and condenser coils, electric heat, thermostatic expansion valve, compressor, evaporator and condenser fans, refrigerant charge, filter section with filter, operation and safety controls, motors, condensate drain pan, condenser coil guards, manual outside air damper, and roof curb. Excludes crane and associated personnel.

23 74 13 00-0063 Packaged Rooftop Heat Pump Units *(23 74 13 00-0062)*

Note: Includes evaporator and condenser coils, electric heat, thermostatic expansion valve, compressor, evaporator and condenser fans, refrigerant charge, filter section with filter, operation and safety controls, motors, condensate drain pan, condenser coil guards, manual outside air damper, and roof curb. Excludes crane and associated personnel.

23 74 13 00-0064	EA	2 Ton Packaged Rooftop Heat Pump	4,406.39	310.95
		For Economizer With Outside Air Control, Add	*1,105.69*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*189.22*	
23 74 13 00-0065	EA	2.5 Ton Packaged Rooftop Heat Pump	4,610.67	326.12
		For Economizer With Outside Air Control, Add	*1,159.59*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*197.54*	
23 74 13 00-0066	EA	3 Ton Packaged Rooftop Heat Pump	4,864.11	356.46
		For Economizer With Outside Air Control, Add	*1,226.01*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*207.94*	
23 74 13 00-0067	EA	3.5 Ton Packaged Rooftop Heat Pump	5,223.63	379.21
		For Economizer With Outside Air Control, Add	*1,140.80*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*222.88*	
23 74 13 00-0068	EA	4 Ton Packaged Rooftop Heat Pump	5,575.56	409.55
		For Economizer With Outside Air Control, Add	*1,218.14*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*237.82*	
23 74 13 00-0069	EA	5 Ton Packaged Rooftop Heat Pump	5,977.88	439.88
		For Economizer With Outside Air Control, Add	*1,309.07*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*203.62*	
23 74 13 00-0070	EA	6 Ton Packaged Rooftop Heat Pump	6,768.48	470.22
		For Economizer With Outside Air Control, Add	*1,460.99*	
		For Economizer With Outside Air Control, Add	*1,111.30*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*174.84*	
23 74 13 00-0071	EA	7.5 Ton Packaged Rooftop Heat Pump	9,047.67	492.97
		For Economizer With Outside Air Control, Add	*1,463.26*	
		For Economizer With Outside Air Control, Add	*1,382.72*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*241.62*	
23 74 13 00-0072	EA	8.5 Ton Packaged Rooftop Heat Pump	10,164.44	530.89
		For Economizer With Outside Air Control, Add	*1,529.23*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*273.31*	
23 74 13 00-0073	EA	10 Ton Packaged Rooftop Heat Pump	11,014.71	561.23
		For Economizer With Outside Air Control, Add	*1,547.42*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*198.00*	
23 74 13 00-0074	EA	12.5 Ton Packaged Rooftop Heat Pump	12,940.39	621.90
		For Economizer With Outside Air Control, Add	*1,791.56*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*233.93*	
23 74 13 00-0075	EA	15 Ton Packaged Rooftop Heat Pump	14,858.48	682.58
		For Economizer With Outside Air Control, Add	*2,031.91*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*269.87*	
23 74 13 00-0076	EA	17.5 Ton Packaged Rooftop Heat Pump	16,633.92	712.92
		For Economizer With Outside Air Control, Add	*2,209.46*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*305.38*	
23 74 13 00-0077	EA	20 Ton Packaged Rooftop Heat Pump	18,530.70	743.25
		For Economizer With Outside Air Control, Add	*2,447.67*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*340.88*	

23 74 13 00-0078 AAON Rooftop Units *(23 74 13)*

Note: The minimum EER for units 5 to 10 tons is 11.2, >10 to 20 tons is 11.0, and >20 is 10.0. See CSI section 26 28 16 00-0001 for disconnects.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 13 00-0079		**AAON RQ Rooftop Units** *(23 74 13 00-0078)* Note: Includes 2" double wall foam panel construction, direct drive fan with VFD (or ECM motor), single stage on/off scroll compressor, terminal strip for field supplied thermostat, gas heat, manually adjustable OSA damper, microchannel condenser coils. Excludes economizer, controls, disconnect, freight, roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		
23 74 13 00-0080	EA	2 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-002)	5,400.59	151.68
		For Factory Installed And Wired Dry Bulb Economizer, Add	*644.47*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*699.21*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*550.48*	
		For Factory Installed Non-Fused Disconnect, Add	*630.01*	
		For Factory Installed Exhaust Fan, Add	*3,212.01*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*749.81*	
23 74 13 00-0081	EA	3 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-003)	5,818.55	159.27
		For Factory Installed And Wired Dry Bulb Economizer, Add	*690.94*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*749.81*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*589.73*	
		For Factory Installed Non-Fused Disconnect, Add	*675.45*	
		For Factory Installed Exhaust Fan, Add	*3,212.01*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*749.81*	
23 74 13 00-0082	EA	4 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-004)	5,925.64	166.85
		For Factory Installed And Wired Dry Bulb Economizer, Add	*690.94*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*749.81*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*589.73*	
		For Factory Installed Non-Fused Disconnect, Add	*675.45*	
		For Factory Installed Exhaust Fan, Add	*3,212.01*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*749.81*	
23 74 13 00-0083	EA	5 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-005)	6,022.40	182.02
		For Factory Installed And Wired Dry Bulb Economizer, Add	*690.94*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*749.81*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*589.73*	
		For Factory Installed Non-Fused Disconnect, Add	*675.45*	
		For Factory Installed Exhaust Fan, Add	*3,212.01*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*749.81*	
23 74 13 00-0084	EA	6 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-006)	6,590.12	189.61
		For Factory Installed And Wired Dry Bulb Economizer, Add	*690.94*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*749.81*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*589.73*	
		For Factory Installed Non-Fused Disconnect, Add	*675.45*	
		For Factory Installed Exhaust Fan, Add	*3,212.01*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*749.81*	
23 74 13 00-0085		**AAON RNA Rooftop Units** *(23 74 13 00-0078)* Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, single stage on/off compressor, terminal strip for field provided thermostat, gas heat, manually adjustable OSA damper. Excludes economizer, controls, disconnect, freight, roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		
23 74 13 00-0086	EA	6 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-006)	8,217.49	197.19
		For Factory Installed And Wired Dry Bulb Economizer, Add	*672.35*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,032.80*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*688.88*	
		For Factory Installed Non-Fused Disconnect, Add	*636.20*	
		For Factory Installed Exhaust Fan, Add	*1,715.48*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*584.56*	
23 74 13 00-0087	EA	7 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-007)	8,804.50	212.36
		For Factory Installed And Wired Dry Bulb Economizer, Add	*672.35*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,032.80*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*688.88*	
		For Factory Installed Non-Fused Disconnect, Add	*636.20*	
		For Factory Installed Exhaust Fan, Add	*1,715.48*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*584.56*	
23 74 13 00-0088	EA	8 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-008)	10,185.73	227.53
		For Factory Installed And Wired Dry Bulb Economizer, Add	*672.35*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,032.80*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*688.88*	
		For Factory Installed Non-Fused Disconnect, Add	*636.20*	
		For Factory Installed Exhaust Fan, Add	*1,715.48*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*584.56*	
23 74 13 00-0089	EA	10 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-010)	10,285.98	250.28
		For Factory Installed And Wired Dry Bulb Economizer, Add	*672.35*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,032.80*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*688.88*	
		For Factory Installed Non-Fused Disconnect, Add	*636.20*	
		For Factory Installed Exhaust Fan, Add	*1,715.48*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*584.56*	
23 74 13 00-0090		**AAON RNB Rooftop Units** *(23 74 13 00-0078)* Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (1) on/off scroll compressors, terminal strip for field provided thermostat, gas heat, factory installed 3 position economizer. Excludes controls, disconnect, freight, roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 13 00-0091	EA	9 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-009)	12,429.04	250.28
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*990.46*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*774.60*	
		For Factory Installed Non-Fused Disconnect, Add	*614.52*	
		For Factory Installed Exhaust Fan, Add	*1,635.96*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*587.66*	
23 74 13 00-0092	EA	11 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-011)	12,649.12	280.61
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*990.46*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*774.60*	
		For Factory Installed Non-Fused Disconnect, Add	*614.52*	
		For Factory Installed Exhaust Fan, Add	*1,635.96*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*587.66*	
23 74 13 00-0093	EA	13 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-013)	13,761.18	310.95
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*990.46*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*774.60*	
		For Factory Installed Non-Fused Disconnect, Add	*614.52*	
		For Factory Installed Exhaust Fan, Add	*1,635.96*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*587.66*	
23 74 13 00-0094	EA	15 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-015)	14,061.47	341.29
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*990.46*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*774.60*	
		For Factory Installed Non-Fused Disconnect, Add	*614.52*	
		For Factory Installed Exhaust Fan, Add	*1,635.96*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*587.66*	

23 74 13 00-0095 AAON RNC Rooftop Units *(23 74 13 00-0078)*

Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (2) on/off scroll compressors, terminal strip for field provided thermostat, gas heat, factory installed 3 position economizer. Excludes controls, disconnect, freight, roof curb, items not specifically mentioned above. Excludes crane and associated personnel.

23 74 13 00-0096	EA	16 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-016)	18,554.92	371.63
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,462.44*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,032.80*	
		For Factory Installed Non-Fused Disconnect, Add	*614.52*	
		For Factory Installed Exhaust Fan, Add	*3,000.28*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*267.50*	
23 74 13 00-0097	EA	18 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-018)	20,063.57	401.97
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,462.44*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,032.80*	
		For Factory Installed Non-Fused Disconnect, Add	*614.52*	
		For Factory Installed Exhaust Fan, Add	*3,000.28*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*267.50*	
23 74 13 00-0098	EA	20 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-020)	21,264.82	432.29
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,462.44*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,032.80*	
		For Factory Installed Non-Fused Disconnect, Add	*614.52*	
		For Factory Installed Exhaust Fan, Add	*3,000.28*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*267.50*	
23 74 13 00-0099	EA	25 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-025)	22,767.02	492.97
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,462.44*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,032.80*	
		For Factory Installed Non-Fused Disconnect, Add	*614.52*	
		For Factory Installed Exhaust Fan, Add	*3,000.28*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*267.50*	
23 74 13 00-0100	EA	30 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-030)	25,702.74	561.23
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,462.44*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,032.80*	
		For Factory Installed Non-Fused Disconnect, Add	*614.52*	
		For Factory Installed Exhaust Fan, Add	*3,000.28*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*267.50*	

23 74 13 00-0101 AAON RND Rooftop Units *(23 74 13 00-0078)*

Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (2) variable capacity digital scroll compressor and (2) on/off compressor, VAV unit controller (varies fan speed and compressor capacity for energy savings year round), cooling only - no heat, factory installed economizer with powered exhaust fans with VFD's, (building static pressure control), factory installed non-fused disconnect, freight and factory start up. Excludes roof curb, items not specifically mentioned above. Excludes crane and associated personnel.

23 74 13 00-0102	EA	26 Ton, Air Cooled Packaged Rooftop Units (AAON RND-026)	35,748.63	621.90
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,291.00*	
		For Factory Installed Non-Fused Disconnect, Add	*1,398.41*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,962.32*	
23 74 13 00-0103	EA	31 Ton, Air Cooled Packaged Rooftop Units (AAON RND-031)	40,590.90	682.58
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,291.00*	
		For Factory Installed Non-Fused Disconnect, Add	*1,398.41*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,962.32*	
23 74 13 00-0104	EA	40 Ton, Air Cooled Packaged Rooftop Units (AAON RND-040)	47,255.13	773.58
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,291.00*	
		For Factory Installed Non-Fused Disconnect, Add	*1,398.41*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,962.32*	
23 74 13 00-0105	EA	50 Ton, Air Cooled Packaged Rooftop Units (AAON RND-050)	54,986.92	872.18
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,291.00*	
		For Factory Installed Non-Fused Disconnect, Add	*1,398.41*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,962.32*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 13 00-0106	EA	60 Ton, Air Cooled Packaged Rooftop Units (AAON RND-060)	59,860.26	963.19
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,291.00*	
		For Factory Installed Non-Fused Disconnect, Add	*1,398.41*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,962.32*	
23 74 13 00-0107	EA	70 Ton, Air Cooled Packaged Rooftop Units (AAON RND-070)	62,879.38	1,054.21
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,291.00*	
		For Factory Installed Non-Fused Disconnect, Add	*1,398.41*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,962.32*	

23 74 13 00-0108 AAON RNE Rooftop Units *(23 74 13 00-0078)*

Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (1 or 2) variable speed VFD controlled scroll compressor and (1 or 2) on/off compressor, VAV unit controller (varies fan speed and compressor capacity for energy savings year round), cooling only - no heat, factory installed economizer with powered exhaust fans with VFD's, (building static pressure control), Microchannel condenser coils with VFD controlled condenser fans, factory installed non fused disconnect, freight and factory start up. Excludes roof curb, items not specifically mentioned above. Excludes crane and associated personnel.

23 74 13 00-0109	EA	55 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-055)	59,016.02	1,175.55
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,458.31*	
		For Factory Installed Non-Fused Disconnect, Add	*2,094.52*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*2,788.56*	
23 74 13 00-0110	EA	65 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-065)	64,807.27	1,304.48
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,458.31*	
		For Factory Installed Non-Fused Disconnect, Add	*2,094.52*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*2,788.56*	
23 74 13 00-0111	EA	75 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-075)	68,880.62	1,425.82
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,458.31*	
		For Factory Installed Non-Fused Disconnect, Add	*2,094.52*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*2,788.56*	
23 74 13 00-0112	EA	95 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-090)	81,972.73	1,554.76
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,458.31*	
		For Factory Installed Non-Fused Disconnect, Add	*2,094.52*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*2,788.56*	
23 74 13 00-0113	EA	105 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-105)	88,270.83	1,706.44
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,458.31*	
		For Factory Installed Non-Fused Disconnect, Add	*2,094.52*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*2,788.56*	
23 74 13 00-0114	EA	120 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-120)	103,406.60	1,858.13
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,458.31*	
		For Factory Installed Non-Fused Disconnect, Add	*2,094.52*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*2,788.56*	
23 74 13 00-0115	EA	130 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-130)	105,707.75	2,017.39
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,458.31*	
		For Factory Installed Non-Fused Disconnect, Add	*2,094.52*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*2,788.56*	
23 74 13 00-0116	EA	140 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-140)	109,983.62	2,169.08
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,458.31*	
		For Factory Installed Non-Fused Disconnect, Add	*2,094.52*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*2,788.56*	

23 74 13 00-0117 Heating Only Packaged Rooftop Units *(23 74 13)*

Note: Includes throwaway filters and filter rack. Manual outside air damper, roof curbs and electric heat. Units are shipped fully factory assembled in one piece, prewired and include start-up. Excludes crane and associated personnel.

23 74 13 00-0118	EA	24 MBH Electric Heating Only Self Contained Package Rooftop Unit	2,120.22	235.11
		For Gas Heat, Add	*139.01*	
23 74 13 00-0119	EA	32 MBH Electric Heating Only Self Contained Package Rooftop Unit	2,501.06	273.03
		For Gas Heat, Add	*164.15*	
23 74 13 00-0120	EA	45 MBH Electric Heating Only Self Contained Package Rooftop Unit	3,401.23	280.61
		For Gas Heat, Add	*226.86*	
23 74 13 00-0121	EA	60 MBH Electric Heating Only Self Contained Package Rooftop Unit	3,955.33	356.46
		For Gas Heat, Add	*262.77*	
23 74 13 00-0122	EA	95 MBH Electric Heating Only Self Contained Package Rooftop Unit	4,679.09	409.55
		For Gas Heat, Add	*311.15*	
23 74 13 00-0123	EA	112 MBH Electric Heating Only Self Contained Package Rooftop Unit	5,287.35	439.88
		For Gas Heat, Add	*352.37*	
23 74 13 00-0124	EA	140 MBH Electric Heating Only Self Contained Package Rooftop Unit	6,308.85	477.80
		For Gas Heat, Add	*422.96*	
23 74 13 00-0125	EA	170 MBH Electric Heating Only Self Contained Package Rooftop Unit	8,133.53	492.97
		For Gas Heat, Add	*549.48*	
23 74 13 00-0126	EA	200 MBH Electric Heating Only Self Contained Package Rooftop Unit	10,889.87	561.23
		For Gas Heat, Add	*739.99*	
23 74 13 00-0127	EA	230 MBH Electric Heating Only Self Contained Package Rooftop Unit	12,803.81	621.90
		For Gas Heat, Add	*871.39*	
23 74 13 00-0128	EA	270 MBH Electric Heating Only Self Contained Package Rooftop Unit	16,858.84	758.41
		For Gas Heat, Add	*1,149.78*	
23 74 13 00-0129	EA	330 MBH Electric Heating Only Self Contained Package Rooftop Unit	21,107.62	910.11
		For Gas Heat, Add	*1,441.28*	
23 74 13 00-0130	EA	360 MBH Electric Heating Only Self Contained Package Rooftop Unit	26,330.25	1,137.63
		For Gas Heat, Add	*1,797.61*	
23 74 13 00-0131	EA	450 MBH Electric Heating Only Self Contained Package Rooftop Unit	31,882.44	1,243.81
		For Gas Heat, Add	*2,182.32*	
23 74 13 00-0132	EA	540 MBH Electric Heating Only Self Contained Package Rooftop Unit	41,130.41	1,486.50
		For Gas Heat, Add	*2,819.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 74 23 Packaged, Outdoor, Heating-Only Makeup-Air Units *(23 74)*

23 74 23 00-0001 Make-Up Air Units *(23 74 23)*

Note: Including throwaway filters. Units are shipped fully factory assembled in one piece, prewired, prepiped, charged with refrigerant, and include start-up. Excludes crane and associated personnel.

23 74 23 00-0002 Gas-Fired Electric Spark Make-Up Air Units *(23 74 23 00-0001)*

Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel.

23 74 23 00-0003	EA	100,000 BTU 1/2 HP, 1,200 CFM, Make-up Air Unit, Gas Fired, Electric Spark	4,112.54	341.29
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,063.12*	
		For Equipment Base Roof Curb, Add	*325.51*	
23 74 23 00-0004	EA	300,000 BTU 1-1/2 HP, 3,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark	5,293.79	386.80
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,392.84*	
		For Equipment Base Roof Curb, Add	*416.56*	
23 74 23 00-0005	EA	500,000 BTU 2 HP, 4,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark	7,328.10	455.05
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,970.90*	
		For Equipment Base Roof Curb, Add	*572.36*	
23 74 23 00-0006	EA	670,000 BTU 3 HP, 6,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark	7,401.62	485.39
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,975.90*	
		For Equipment Base Roof Curb, Add	*579.58*	
23 74 23 00-0007	EA	800,000 BTU 5 HP, 7,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark	10,062.32	546.06
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,745.67*	
		For Equipment Base Roof Curb, Add	*781.98*	
23 74 23 00-0008	EA	1,200,000 BTU 10 HP, 10,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark	15,194.68	682.58
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,217.11*	
		For Equipment Base Roof Curb, Add	*1,173.73*	

23 74 23 00-0009 Electric Make-Up Air Units *(23 74 23 00-0001)*

Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel.

23 74 23 00-0010	EA	33 KW 1/2 HP, 1,200 CFM Make-up Air Unit, Electric	8,336.00	341.29
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,330.16*	
		For Equipment Base Roof Curb, Add	*642.26*	
23 74 23 00-0011	EA	100 KW 1-1/2 HP, 3,500 CFM Make-up Air Unit, Electric	11,885.21	386.80
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,370.27*	
		For Equipment Base Roof Curb, Add	*910.92*	
23 74 23 00-0012	EA	150 KW 2 HP, 4,000 CFM Make-up Air Unit, Electric	14,715.12	455.05
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,187.01*	
		For Equipment Base Roof Curb, Add	*1,126.39*	
23 74 23 00-0013	EA	250 KW 5 HP, 7,500 CFM Make-up Air Unit, Electric	19,021.66	546.06
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,433.47*	
		For Equipment Base Roof Curb, Add	*1,453.93*	
23 74 23 00-0014	EA	400 KW 10 HP, 10,000 CFM Make-up Air Unit, Electric	30,685.55	682.58
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*8,864.38*	
		For Equipment Base Roof Curb, Add	*2,335.55*	

23 76 Evaporative Air-Cooling Equipment *(23 70)*

23 76 13 Direct Evaporative Air Coolers *(23 76)*

23 76 13 00-0001 Residential Side Or Down Draft Evaporative Cooling Unit *(23 76 13)*

Note: Includes motor, belt and pads.

23 76 13 00-0002	EA	3,000 CFM, 1/3 HP Residential Side Or Down Draft Evaporative Cooling Unit	993.10	238.15
23 76 13 00-0003	EA	4,300 CFM, 1/3 HP Residential Side Or Down Draft Evaporative Cooling Unit	1,172.98	277.84
23 76 13 00-0004	EA	4,400 CFM, 1/2 HP Residential Side Or Down Draft Evaporative Cooling Unit	1,517.37	317.53
23 76 13 00-0005	EA	5,000 CFM, 3/4 HP Residential Side Or Down Draft Evaporative Cooling Unit	1,651.98	357.21
23 76 13 00-0006	EA	6,000 CFM, 3/4 HP Residential Side Or Down Draft Evaporative Cooling Unit	1,897.00	396.91
23 76 13 00-0007	EA	7,000 CFM, 1 HP Residential Side Or Down Draft Evaporative Cooling Unit	2,042.64	436.60

23 76 13 00-0008 Industrial Side Draft/Side Discharge Evaporative Coolers *(23 76 13)*

Note: Excludes motor starter, piping, power wiring and equipment rigging.

23 76 13 00-0009	EA	7,500 CFM, 3/4 HP Industrial Side Or Down Draft Evaporative Cooling Unit	1,875.57	226.65
23 76 13 00-0010	EA	8,500 CFM, 1 HP Industrial Side Or Down Draft Evaporative Cooling Unit	1,935.57	233.98
23 76 13 00-0011	EA	9,500 CFM, 1 1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	2,305.29	324.96
23 76 13 00-0012	EA	11,375 CFM, 2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	4,931.43	383.59
23 76 13 00-0013	EA	13,020 CFM, 3 HP Industrial Side Or Down Draft Evaporative Cooling Unit	5,338.20	561.58
23 76 13 00-0014	EA	16,267 CFM, 3 HP Industrial Side Or Down Draft Evaporative Cooling Unit	6,115.40	599.01
23 76 13 00-0015	EA	15,438 CFM, 5 HP Industrial Side Or Down Draft Evaporative Cooling Unit	5,618.04	673.89
23 76 13 00-0016	EA	19,286 CFM, 5 HP Industrial Side Or Down Draft Evaporative Cooling Unit	6,663.94	842.35
23 76 13 00-0017	EA	17,672 CFM, 7-1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	6,691.16	1,101.13
23 76 13 00-0018	EA	22,077 CFM, 7-1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	7,447.46	1,123.14
23 76 13 00-0019	EA	24,301 CFM, 10 HP Industrial Side Or Down Draft Evaporative Cooling Unit	7,843.92	1,247.96
23 76 13 00-0020	EA	30,000 CFM, 20 HP Industrial Side Or Down Draft Evaporative Cooling Unit	10,525.50	1,949.92
23 76 13 00-0021	EA	35,000 CFM, 20 HP Industrial Side Or Down Draft Evaporative Cooling Unit	11,799.36	2,034.68
23 76 13 00-0022	EA	40,000 CFM, 30 HP Industrial Side Or Down Draft Evaporative Cooling Unit	13,088.60	2,127.16

23 80 Decentralized Unitary HVAC Equipment *(23)*

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 23 05 29 00-0000 for hangers and supports, 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

terminations, 26 28 16 00-0001 for disconnect.

23 81 Decentralized Unitary HVAC Equipment *(23 80)*

23 81 13 Packaged Terminal Air-Conditioners *(23 81)*

Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord, multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9.

23 81 13 00-0001 Packaged Terminal Air-Conditioners *(23 81 13)*

23 81 13 00-0002 Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioners *(23 81 13 00-0001)*

23 81 13 00-0003	EA	7,200 BTU, 13 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	1,098.83	148.84
		For >35 To 70, Deduct	*-24.03*	
		For >70 To 100, Deduct	*-40.06*	
		For >100, Deduct	*-56.08*	
23 81 13 00-0004	EA	9,400 BTU, 12.1 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	1,160.87	173.23
		For >35 To 70, Deduct	*-24.44*	
		For >70 To 100, Deduct	*-40.74*	
		For >100, Deduct	*-57.04*	
23 81 13 00-0005	EA	11,800 BTU, 11.6 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	1,229.61	184.62
		For >35 To 70, Deduct	*-25.80*	
		For >70 To 100, Deduct	*-43.00*	
		For >100, Deduct	*-60.20*	
23 81 13 00-0006	EA	14,500 BTU, 10.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	1,328.06	198.44
		For >35 To 70, Deduct	*-27.94*	
		For >70 To 100, Deduct	*-46.57*	
		For >100, Deduct	*-65.19*	

23 81 13 00-0007 Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioners *(23 81 13 00-0001)*

23 81 13 00-0008	EA	7,200 BTU, 13 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	1,163.60	153.71
		For >35 To 70, Deduct	*-25.70*	
		For >70 To 100, Deduct	*-42.84*	
		For >100, Deduct	*-59.97*	
23 81 13 00-0009	EA	9,400 BTU, 12.1 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	1,233.32	173.23
		For >35 To 70, Deduct	*-26.62*	
		For >70 To 100, Deduct	*-44.36*	
		For >100, Deduct	*-62.11*	
23 81 13 00-0010	EA	11,800 BTU, 11.6 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	1,282.11	184.62
		For >35 To 70, Deduct	*-27.37*	
		For >70 To 100, Deduct	*-45.62*	
		For >100, Deduct	*-63.87*	
23 81 13 00-0011	EA	14,500 BTU, 10.4 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	1,397.36	198.44
		For >35 To 70, Deduct	*-30.02*	
		For >70 To 100, Deduct	*-50.03*	
		For >100, Deduct	*-70.04*	

23 81 13 00-0012 Removal And Reinstallation Of Thru-Wall A/C Unit *(23 81 13)*

Note: Includes storage and cleaning.

23 81 13 00-0013	EA	Remove And Reinstall Thru Wall Air Conditioning Unit	158.76
23 81 13 00-0014	EA	Remove And Reinstall Window Air Conditioning Unit	99.23
23 81 13 00-0015	EA	Remove And Reinstall Window Air Conditioning Unit In Upper Sash	214.29

23 81 13 00-0016 Thru Wall A/C Unit Sleeve *(23 81 13)*

Note: Includes wall case, exterior grille, weather panel and steel closure panels. Includes bolts, nuts, washers, caulking and lintel supports. Not for use with new A/C units where wall sleeve is provided. Excludes cutting opening for unit or patching masonry or concrete.

23 81 13 00-0017	EA	Up To 10,000 BTU Unit, Thru Wall A/C Sleeve	68.04
23 81 13 00-0018	EA	>10,000 To 20,000 BTU Unit, Thru Wall A/C Sleeve	76.74
23 81 13 00-0019	EA	>20,000 To 30,000 BTU Unit, Thru Wall A/C Sleeve	85.42

23 81 13 00-0020 Single Package Vertical Wall Cooling Unit *(23 81 13)*

Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 V, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel.

23 81 13 00-0021	EA	1/2 Ton Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	2,610.84	181.02
23 81 13 00-0022	EA	1 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	4,104.49	189.64
23 81 13 00-0023	EA	1-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	5,343.44	198.26
23 81 13 00-0024	EA	2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	6,138.98	215.50
23 81 13 00-0025	EA	2-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	7,690.02	249.98
23 81 13 00-0026	EA	3 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	8,271.34	310.32
23 81 13 00-0027	EA	3-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	9,160.06	344.80
23 81 13 00-0028	EA	4 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	10,088.82	387.90
23 81 13 00-0029	EA	5 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	11,365.55	465.48
23 81 13 00-0030	EA	7-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	14,682.60	577.54
23 81 13 00-0031	EA	10 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	17,553.97	775.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 13 00-0032	EA	15 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	24,546.67	948.20
23 81 13 00-0033	EA	20 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	28,294.85	1,129.22
23 81 13 00-0034	EA	25 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	33,777.97	1,267.14

23 81 16 Room Air-Conditioners *(23 81)*

Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord, multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9.

23 81 16 00-0001 Window Unit, Room Air-Conditioners *(23 81 16)*

23 81 16 00-0002 Cooling Only, Window Unit, Room Air-Conditioners *(23 81 16 00-0001)*

23 81 16 00-0003 Cooling Only, Window Unit, Room Air-Conditioners (Frigidaire) *(23 81 16 00-0002)*

23 81 16 00-0004	EA	5,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0533Q1)	385.70	83.35
		For >10 To 50, Deduct	*-10.95*	
		For >50 To 75, Deduct	*-15.33*	
		For >75 To 100, Deduct	*-21.90*	
		For >100, Deduct	*-26.28*	
23 81 16 00-0005	EA	6,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0633Q1)	550.52	83.35
		For >10 To 50, Deduct	*-11.45*	
		For >50 To 75, Deduct	*-16.03*	
		For >75 To 100, Deduct	*-22.90*	
		For >100, Deduct	*-27.48*	
23 81 16 00-0006	EA	8,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0833Q1)	445.70	83.35
		For >10 To 50, Deduct	*-13.95*	
		For >50 To 75, Deduct	*-19.53*	
		For >75 To 100, Deduct	*-27.90*	
		For >100, Deduct	*-33.48*	
23 81 16 00-0007	EA	10,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1033Q1)	525.70	83.35
		For >10 To 50, Deduct	*-17.95*	
		For >50 To 75, Deduct	*-25.13*	
		For >75 To 100, Deduct	*-35.90*	
		For >100, Deduct	*-43.08*	
23 81 16 00-0008	EA	12,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1233Q1)	595.70	83.35
		For >10 To 50, Deduct	*-21.45*	
		For >50 To 75, Deduct	*-30.03*	
		For >75 To 100, Deduct	*-42.90*	
		For >100, Deduct	*-51.48*	
23 81 16 00-0009	EA	15,100 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1533Q1)	755.70	83.35
		For >10 To 50, Deduct	*-29.45*	
		For >50 To 75, Deduct	*-41.23*	
		For >75 To 100, Deduct	*-58.90*	
		For >100, Deduct	*-70.68*	
23 81 16 00-0010	EA	8,000 BTU, 10.9 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS0833Q1)	655.70	83.35
		For >10 To 50, Deduct	*-24.45*	
		For >50 To 75, Deduct	*-34.23*	
		For >75 To 100, Deduct	*-48.90*	
		For >100, Deduct	*-58.68*	
23 81 16 00-0011	EA	10,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1022Q1)	695.70	83.35
		For >10 To 50, Deduct	*-26.45*	
		For >50 To 75, Deduct	*-37.03*	
		For >75 To 100, Deduct	*-52.90*	
		For >100, Deduct	*-63.48*	
23 81 16 00-0012	EA	12,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1222Q1)	745.70	83.35
		For >10 To 50, Deduct	*-28.95*	
		For >50 To 75, Deduct	*-40.53*	
		For >75 To 100, Deduct	*-57.90*	
		For >100, Deduct	*-69.48*	
23 81 16 00-0013	EA	15,100 BTU, 10.7 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1533Q1)	755.70	83.35
		For >10 To 50, Deduct	*-29.45*	
		For >50 To 75, Deduct	*-41.23*	
		For >75 To 100, Deduct	*-58.90*	
		For >100, Deduct	*-70.68*	
23 81 16 00-0014	EA	18,500 BTU, 11.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1833Q2)	805.70	83.35
		For >10 To 50, Deduct	*-31.95*	
		For >50 To 75, Deduct	*-44.73*	
		For >75 To 100, Deduct	*-63.90*	
		For >100, Deduct	*-76.68*	
23 81 16 00-0015	EA	22,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2233Q2)	865.70	83.35
		For >10 To 50, Deduct	*-34.95*	
		For >50 To 75, Deduct	*-48.93*	
		For >75 To 100, Deduct	*-69.90*	
		For >100, Deduct	*-83.88*	
23 81 16 00-0016	EA	25,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2533Q2)	875.70	83.35
		For >10 To 50, Deduct	*-35.45*	
		For >50 To 75, Deduct	*-49.63*	
		For >75 To 100, Deduct	*-70.90*	
		For >100, Deduct	*-85.08*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0017	EA	28,500 BTU, 8.5 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FRA296ST2)	1,035.70	83.35
		For >10 To 50, Deduct	*-43.45*	
		For >50 To 75, Deduct	*-60.83*	
		For >75 To 100, Deduct	*-86.90*	
		For >100, Deduct	*-104.28*	
23 81 16 00-0018		Cooling Only, Window Unit, Room Air-Conditioners (Friedrich Kuhl) *(23 81 16 00-0002)*		
23 81 16 00-0019	EA	8,000 BTU, 11.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS08N10B)	902.89	83.35
23 81 16 00-0020	EA	9,700 BTU, 11.3 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS10N10B)	929.18	83.35
23 81 16 00-0021	EA	12,000 BTU, 11.3 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N10B)	955.48	83.35
23 81 16 00-0022	EA	13,500 BTU, 10.8 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS14N10A)	1,034.35	83.35
23 81 16 00-0023	EA	12,100 BTU, 11.3 EER, 220 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N30B)	955.48	83.35
23 81 16 00-0024	EA	15,200 BTU, 10.7 EER, 220 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS16N30)	1,008.06	83.35
23 81 16 00-0025	EA	17,200 BTU, 10.7 EER, 220 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SM18N30)	1,034.35	83.35
23 81 16 00-0026	EA	23,200 BTU, 8.5 EER, 220 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SM24N30A)	1,165.82	83.35
23 81 16 00-0027	EA	27,600 BTU, 9.6 EER, 220 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL28N30B)	1,402.45	83.35
23 81 16 00-0028	EA	35,500 BTU, 9 EER, 220 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL36N30B)	1,612.79	83.35
23 81 16 00-0029		Heating And Cooling, Window Unit, Room Air-Conditioners *(23 81 16 00-0001)*		
23 81 16 00-0030		Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Frigidaire) *(23 81 16 00-0029)*		
23 81 16 00-0031	EA	8,000 BTU, 9.8 EER, 115 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FRA12EZU2)	725.70	83.35
		For >10 To 50, Deduct	*-27.95*	
		For >50 To 75, Deduct	*-39.13*	
		For >75 To 100, Deduct	*-55.90*	
		For >100, Deduct	*-67.08*	
23 81 16 00-0032	EA	12,000 BTU, 9.8 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1222Q2)	955.70	83.35
		For >10 To 50, Deduct	*-39.45*	
		For >50 To 75, Deduct	*-55.23*	
		For >75 To 100, Deduct	*-78.90*	
		For >100, Deduct	*-94.68*	
23 81 16 00-0033	EA	18,000 BTU, 10.7 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1822Q2)	915.70	83.35
		For >10 To 50, Deduct	*-37.45*	
		For >50 To 75, Deduct	*-52.43*	
		For >75 To 100, Deduct	*-74.90*	
		For >100, Deduct	*-89.88*	
23 81 16 00-0034	EA	25,000 BTU, 9 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH2522Q2)	1,135.70	83.35
		For >10 To 50, Deduct	*-48.45*	
		For >50 To 75, Deduct	*-67.83*	
		For >75 To 100, Deduct	*-96.90*	
		For >100, Deduct	*-116.28*	
23 81 16 00-0035		Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Friedrich) *(23 81 16 00-0029)*		
23 81 16 00-0036	EA	7,900 BTU, 11.2 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Friedrich EQ08N11B)	925.70	83.35
23 81 16 00-0037	EA	12,000 BTU, 11.3 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Friedrich ES12N33B)	1,265.70	83.35
23 81 16 00-0038	EA	15,500 BTU, 10.7 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Friedrich ES16N33)	1,345.70	83.35
23 81 16 00-0039	EA	17,500 BTU, 10.7 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Friedrich EM18N34)	1,465.70	83.35
23 81 16 00-0040	EA	23,500 BTU, 8.6 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Friedrich EM24N34)	1,605.70	83.35
23 81 16 00-0041	EA	36,000 BTU, 9 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Friedrich EM36N35B)	2,215.70	83.35
23 81 16 00-0042		Accessories *(23 81 16 00-0001)*		
23 81 16 00-0043	SET	Aluminum Air Conditioner Unit Frame And Bracket Assembly	369.77	44.73
23 81 16 00-0044		Through-The-Wall, Room Air-Conditioners *(23 81 16)*		
		Note: Base unit excludes wall sleeve.		
23 81 16 00-0045		Cooling Only, Through-The-Wall, Room Air-Conditioners *(23 81 16 00-0044)*		
23 81 16 00-0046		Cooling Only, Through-The-Wall, Room Air-Conditioners (Friedrich) *(23 81 16 00-0045)*		
23 81 16 00-0047	EA	8,000 BTU, 10.4 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS08C10D)	798.07	59.54
		For >10 To 50, Deduct	*-33.95*	
		For >50 To 75, Deduct	*-47.53*	
		For >75 To 100, Deduct	*-67.90*	
		For >100, Deduct	*-81.48*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*201.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0048	EA	9,700 BTU, 9.8 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS08C10D)	848.07	59.54
		For >10 To 50, Deduct	*-36.45*	
		For >50 To 75, Deduct	*-51.03*	
		For >75 To 100, Deduct	*-72.90*	
		For >100, Deduct	*-87.48*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*201.39*	
23 81 16 00-0049	EA	11,500 BTU, 9.8 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS08C10D)	968.07	59.54
		For >10 To 50, Deduct	*-42.45*	
		For >50 To 75, Deduct	*-59.43*	
		For >75 To 100, Deduct	*-84.90*	
		For >100, Deduct	*-101.88*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*201.39*	
23 81 16 00-0050	EA	10,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS08C10D)	848.07	59.54
		For >10 To 50, Deduct	*-36.45*	
		For >50 To 75, Deduct	*-51.03*	
		For >75 To 100, Deduct	*-72.90*	
		For >100, Deduct	*-87.48*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*201.39*	
23 81 16 00-0051	EA	11,500 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS08C10D)	968.07	59.54
		For >10 To 50, Deduct	*-42.45*	
		For >50 To 75, Deduct	*-59.43*	
		For >75 To 100, Deduct	*-84.90*	
		For >100, Deduct	*-101.88*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*201.39*	
23 81 16 00-0052	EA	15,600 BTU, 8.5 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS08C10D)	1,018.07	59.54
		For >10 To 50, Deduct	*-44.95*	
		For >50 To 75, Deduct	*-62.93*	
		For >75 To 100, Deduct	*-89.90*	
		For >100, Deduct	*-107.88*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*201.39*	

23 81 16 00-0053 Heating And Cooling, Through-The-Wall, Room Air-Conditioners *(23 81 16 00-0044)*

23 81 16 00-0054 Electric Heat, Heating And Cooling, Through-The-Wall, Room Air-Conditioners (Friedrich) *(23 81 16 00-0053)*

23 81 16 00-0055	EA	10,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE10C33D)	1,018.07	59.54
		For >10 To 50, Deduct	*-44.95*	
		For >50 To 75, Deduct	*-62.93*	
		For >75 To 100, Deduct	*-89.90*	
		For >100, Deduct	*-107.88*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*201.39*	
23 81 16 00-0056	EA	11,500 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE12C33D)	1,068.07	59.54
		For >10 To 50, Deduct	*-47.45*	
		For >50 To 75, Deduct	*-66.43*	
		For >75 To 100, Deduct	*-94.90*	
		For >100, Deduct	*-113.88*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*201.39*	

23 81 23 Computer-Room Air-Conditioners *(23 81)*

Note: Includes equipment rigging. Indoor units include filters.

23 81 23 00-0001 Floor Mounted Air Cooled Direct Expansion Type *(23 81 23)*

Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, and outdoor air cooled condenser complete with fan speed control. Excludes precharged copper pipe.

23 81 23 00-0002	EA	3 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	19,662.07	1,694.33
		For Liebert Unit, Add	*2,139.72*	
23 81 23 00-0003	EA	5 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	21,698.12	1,853.17
		For Liebert Unit, Add	*2,362.87*	
23 81 23 00-0004	EA	6 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	29,866.20	2,117.91
		For Liebert Unit, Add	*3,339.52*	
23 81 23 00-0005	EA	10 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	35,468.80	2,382.65
		For Liebert Unit, Add	*3,990.62*	
23 81 23 00-0006	EA	16 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	39,820.12	2,859.18
		For Liebert Unit, Add	*4,438.24*	
23 81 23 00-0007	EA	20 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	44,956.86	3,176.87
		For Liebert Unit, Add	*5,028.97*	
23 81 23 00-0008	EA	24 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	47,210.68	3,388.66
		For Liebert Unit, Add	*5,265.26*	
23 81 23 00-0009	EA	30 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	55,353.62	3,812.24
		For Liebert Unit, Add	*6,210.44*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 23 00-0010		**Floor Mounted Chilled Water Type** *(23 81 23)* Note: Includes mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand. Excludes chilled water source. See CSI section 23 81 23 00-0018 for chilled water source.			
23 81 23 00-0011	EA	3 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source		13,247.73	1,160.96
		For Liebert Unit, Add		*1,462.47*	
23 81 23 00-0012	EA	5 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source		14,247.58	1,285.99
		For Liebert Unit, Add		*1,566.62*	
23 81 23 00-0013	EA	12 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source		17,730.14	1,958.75
		For Liebert Unit, Add		*1,889.81*	
23 81 23 00-0014	EA	16 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source		18,518.27	1,984.55
		For Liebert Unit, Add		*1,984.06*	
23 81 23 00-0015	EA	20 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source		19,233.40	2,063.93
		For Liebert Unit, Add		*2,058.86*	
23 81 23 00-0016	EA	22 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source		19,726.80	2,262.39
		For Liebert Unit, Add		*2,088.78*	
23 81 23 00-0017	EA	31 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source		20,942.24	2,460.84
		For Liebert Unit, Add		*2,208.47*	
23 81 23 00-0018		**Floor Mounted Water Source** *(23 81 23)* Note: Includes mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand. Excludes water source.			
23 81 23 00-0019	EA	3 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit		10,343.53	1,058.95
		For Liebert Unit, Add		*1,095.12*	
23 81 23 00-0020	EA	5 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit		11,366.55	1,111.90
		For Liebert Unit, Add		*1,213.06*	
23 81 23 00-0021	EA	6 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit		14,646.40	1,164.86
		For Liebert Unit, Add		*1,613.20*	
23 81 23 00-0022	EA	8 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit		15,790.97	1,270.75
		For Liebert Unit, Add		*1,735.34*	
23 81 23 00-0023	EA	10 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit		17,432.62	1,376.64
		For Liebert Unit, Add		*1,920.67*	
23 81 23 00-0024	EA	12 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit		18,134.34	1,482.54
		For Liebert Unit, Add		*1,988.06*	
23 81 23 00-0025	EA	15 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit		18,940.99	1,588.44
		For Liebert Unit, Add		*2,072.30*	
23 81 23 00-0026	EA	20 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit		19,494.87	1,694.33
		For Liebert Unit, Add		*2,122.85*	
23 81 23 00-0027	EA	25 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit		22,325.94	2,012.01
		For Liebert Unit, Add		*2,414.88*	
23 81 23 00-0028		**Floor Mounted Glycol System Type** *(23 81 23)* Note: Includes drycoolers, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand. Excludes chilled water source. See CSI section 23 81 23 00-0018 for water source.			
23 81 23 00-0029	EA	3 Ton Computer Room Air Conditioner, Glycol System Type		18,957.55	1,160.96
		For Liebert Unit, Add		*2,176.20*	
23 81 23 00-0030	EA	5 Ton Computer Room Air Conditioner, Glycol System Type		20,419.67	1,285.99
		For Liebert Unit, Add		*2,338.13*	
23 81 23 00-0031	EA	6 Ton Computer Room Air Conditioner, Glycol System Type		31,303.95	1,440.78
		For Liebert Unit, Add		*3,672.86*	
23 81 23 00-0032	EA	9 Ton Computer Room Air Conditioner, Glycol System Type		32,341.50	1,595.58
		For Liebert Unit, Add		*3,776.76*	
23 81 23 00-0033	EA	10 Ton Computer Room Air Conditioner, Glycol System Type		34,629.57	1,750.37
		For Liebert Unit, Add		*4,036.97*	
23 81 23 00-0034	EA	16 Ton Computer Room Air Conditioner, Glycol System Type		41,409.69	1,984.55
		For Liebert Unit, Add		*4,843.80*	
23 81 23 00-0035	EA	20 Ton Computer Room Air Conditioner, Glycol System Type		45,361.73	2,063.93
		For Liebert Unit, Add		*5,324.90*	
23 81 23 00-0036	EA	22 Ton Computer Room Air Conditioner, Glycol System Type		47,083.42	2,262.39
		For Liebert Unit, Add		*5,508.36*	
23 81 23 00-0037	EA	30 Ton Computer Room Air Conditioner, Glycol System Type		57,240.53	2,460.84
		For Liebert Unit, Add		*6,745.75*	
23 81 23 00-0038		**Ceiling Mounted Packaged Computer Room Air Conditioner** *(23 81 23)* Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, and outdoor air cooled condenser complete with fan speed control.			
23 81 23 00-0039	EA	1 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System		7,729.17	503.28
		For Liebert Unit, Add		*871.82*	
23 81 23 00-0040	EA	1.5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System		8,566.06	604.42
		For Liebert Unit, Add		*957.49*	
23 81 23 00-0041	EA	2 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System		9,811.32	756.43
		For Liebert Unit, Add		*1,084.66*	
23 81 23 00-0042	EA	3 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System		12,035.14	882.49
		For Liebert Unit, Add		*1,339.01*	
23 81 23 00-0043	EA	5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System		16,219.85	959.17
		For Liebert Unit, Add		*1,847.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 23 00-0044		Removal And Reinstallation Of Computer Room Unit *(23 81 23)* Note: Includes storage and cleaning. Excludes main mechanical piping. Reconnection of existing valves are included.		
23 81 23 00-0045	EA	Remove And Reinstall Computer Room Unit, Chilled Water	1,587.64	
23 81 23 00-0046	EA	Remove And Reinstall Computer Room Unit, Direct Expansion	1,323.03	
23 81 26		**Split-System Air-Conditioners** *(23 81)*		
23 81 26 00-0001		Split System A/C Unit *(23 81 26)* See CSI section 22 07 19 00-0442 for insulation, 23 23 16 00-0001 for piping, 23 54 00 00-0000 for furnaces.		
23 81 26 00-0002		Ductless Split System Air Conditioners *(23 81 26 00-0001)* Note: Excludes refrigerant piping, electrical, and pad. Panasonic units or equal. See CSI section 23 81 49 00-0024 for ductless heat pumps.		
23 81 26 00-0003		Wall Mounted Ductless Split System Air Conditioners *(23 81 26 00-0002)*		
23 81 26 00-0004	EA	9,000 BTU, 16 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	1,681.29	261.96
23 81 26 00-0005	EA	11,900 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioner Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	1,819.05	285.77
23 81 26 00-0006	EA	17,500 BTU, 20 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,279.54	317.53
23 81 26 00-0007	EA	24,200 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,531.88	349.28
23 81 26 00-0008	EA	25,200 BTU, 14.9 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,926.58	381.03
23 81 26 00-0009	EA	29,800 BTU, 15 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,579.42	396.91
23 81 26 00-0010	EA	31,400 BTU, 15.9 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,026.52	423.11
23 81 26 00-0011		Dual and Tri Zone Wall Mounted Ductless Split System Air Conditioners *(23 81 26 00-0002)* Note: Use this section only when matching indoor and outdoor capacity units are not used.		
23 81 26 00-0012	EA	7,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	722.34	127.01
23 81 26 00-0013	EA	9,000 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	763.01	134.95
23 81 26 00-0014	EA	11,900 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	804.39	142.89
23 81 26 00-0015	EA	17,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	911.07	150.83
23 81 26 00-0016	EA	24,200 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	974.69	158.76
23 81 26 00-0017	EA	19,700 BTU, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes outdoor unit and refrigerant charge.	2,024.41	190.52
23 81 26 00-0018	EA	25,400 BTU, 16.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes outdoor unit and refrigerant charge.	2,239.94	206.40
23 81 26 00-0019	EA	30,600 BTU, 17.6 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes outdoor unit and refrigerant charge.	3,560.74	222.27
23 81 26 00-0020		Suspended Ceiling Mounted Ductless Split System Air Conditioners *(23 81 26 00-0002)* Note: Excludes hangers.		
23 81 26 00-0021	EA	24,400 BTU, 14.5 SEER, Ceiling Suspended Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,208.87	381.03
23 81 26 00-0022	EA	31,200 BTU, 15.1 SEER, Ceiling Suspended Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,129.09	454.86
23 81 26 00-0023	EA	39,000 BTU, 15.6 SEER, Ceiling Suspended Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,273.57	476.29
23 81 26 00-0024		Recessed Ceiling Mounted Ductless Split System Air Conditioners *(23 81 26 00-0002)* Note: Excludes hangers.		
23 81 26 00-0025	EA	11,900 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,570.21	317.53
23 81 26 00-0026	EA	17,500 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,999.11	349.28
23 81 26 00-0027	EA	24,800 BTU, 14.1 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,180.60	412.78
23 81 26 00-0028	EA	32,600 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,842.01	454.86
23 81 26 00-0029	EA	39,500 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,130.03	476.29
23 81 26 00-0030		Ductless Split System Accessories *(23 81 26 00-0002)*		
23 81 26 00-0031	LF	3" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	7.95	1.14
23 81 26 00-0032	LF	4" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	10.08	1.25
23 81 26 00-0033	LF	6" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	12.45	1.38
23 81 26 00-0034	EA	3" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	13.47	2.13

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 00-0035	EA	4" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	22.31	2.34
23 81 26 00-0036	EA	6" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	25.36	2.59
23 81 26 00-0037	EA	3" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	32.80	4.27
23 81 26 00-0038	EA	4" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	52.81	4.69
23 81 26 00-0039	EA	6" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	58.90	5.16
23 81 26 00-0040	EA	3" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	43.02	4.55
23 81 26 00-0041	EA	4" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	50.25	5.01
23 81 26 00-0042	EA	6" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	76.32	5.51
23 81 26 00-0043	EA	3" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	32.80	4.27
23 81 26 00-0044	EA	4" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	52.81	4.69
23 81 26 00-0045	EA	6" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	58.90	5.16
23 81 26 00-0046	EA	3" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	43.76	7.12
23 81 26 00-0047	EA	4" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	62.29	7.82
23 81 26 00-0048	EA	6" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	74.02	8.60
23 81 26 00-0049	EA	2-1/2" Wall Sleeve, Rigid Polyvinyl Chloride (PVC) Line Set Covers	23.01	1.42
23 81 26 00-0050	EA	3" x 20" Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	26.95	4.27
23 81 26 00-0051	EA	4" x 20' Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	42.28	4.69
23 81 26 00-0052	EA	3" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	24.61	4.27
23 81 26 00-0053	EA	4" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	32.93	4.69
23 81 26 00-0054	EA	6" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	35.52	5.16
23 81 26 00-0055	EA	4" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	109.60	5.69
23 81 26 00-0056	EA	6" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	124.20	6.26
23 81 26 00-0057	EA	14" Condensing Unit Mounting Blocks With End Caps	81.02	21.34
23 81 26 00-0058	EA	17" Condensing Unit Mounting Blocks With End Caps	88.85	22.76
23 81 26 00-0059	EA	36" Condensing Unit Mounting Blocks With End Caps	116.54	24.18
23 81 26 00-0060	EA	End Cap, Set of 4	11.68	
23 81 26 00-0061	EA	18" Condensing Unit Type 2 Wall Bracket, 165 LB Capacity	170.32	42.68
23 81 26 00-0062	EA	21" Condensing Unit Type 2 Wall Bracket, 220 LB Capacity	180.94	45.52
23 81 26 00-0063	LF	5/8" ID Condensate Drain Line	1.64	0.11
23 81 26 00-0064	LF	3/4" ID Condensate Drain Line	1.69	0.11

23 81 26 00-0065 Cased A/C Evaporator Coils *(23 81 26 00-0001)*

23 81 26 00-0066 Vertical Cased A/C Evaporator Coils *(23 81 26 00-0065)*

23 81 26 00-0067	EA	1-1/2 Ton Vertical Cased A/C Evaporator Coil	400.97	81.33
23 81 26 00-0068	EA	2 Ton Vertical Cased A/C Evaporator Coil	419.85	87.42
23 81 26 00-0069	EA	2-1/2 Ton Vertical Cased A/C Evaporator Coil	493.05	93.53
23 81 26 00-0070	EA	3 Ton Vertical Cased A/C Evaporator Coil	557.68	99.63
23 81 26 00-0071	EA	3-1/2 Ton Vertical Cased A/C Evaporator Coil	638.26	103.69
23 81 26 00-0072	EA	4 Ton Vertical Cased A/C Evaporator Coil	707.41	107.76
23 81 26 00-0073	EA	4-1/2 Ton Vertical Cased A/C Evaporator Coil	759.90	115.89
23 81 26 00-0074	EA	5 Ton Vertical Cased A/C Evaporator Coil	768.30	121.99

23 81 26 00-0075 "A" Style Horizontal Cased A/C Evaporator Coils *(23 81 26 00-0065)*

23 81 26 00-0076	EA	2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	481.30	83.37
23 81 26 00-0077	EA	2-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	548.77	88.04
23 81 26 00-0078	EA	3 Ton "A" Style Horizontal Cased A/C Evaporator Coil	623.80	93.53
23 81 26 00-0079	EA	3-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	646.61	96.90
23 81 26 00-0080	EA	4 Ton "A" Style Horizontal Cased A/C Evaporator Coil	677.10	101.66
23 81 26 00-0081	EA	4-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	687.78	106.94
23 81 26 00-0082	EA	5 Ton "A" Style Horizontal Cased A/C Evaporator Coil	698.24	112.23

23 81 26 00-0083 Slab Style Horizontal Cased A/C Evaporator Coils *(23 81 26 00-0065)*

23 81 26 00-0084	EA	2 Ton Slab Style Horizontal Cased A/C Evaporator Coil	426.96	83.37
23 81 26 00-0085	EA	3 Ton Slab Style Horizontal Cased A/C Evaporator Coil	508.45	93.53
23 81 26 00-0086	EA	4 Ton Slab Style Horizontal Cased A/C Evaporator Coil	583.68	101.66
23 81 26 00-0087	EA	5 Ton Slab Style Horizontal Cased A/C Evaporator Coil	697.29	112.23

23 81 26 00-0088 Mitsubishi City Multi, Variable Refrigerant Flow *(23 81 26 00-0001)*

23 81 26 00-0089 Outdoor Units *(23 81 26 00-0088)*

23 81 26 00-0090	EA	6 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P72YKMU-A)	13,036.39	416.75
23 81 26 00-0091	EA	8 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P96YKMU-A)	14,123.81	496.14
23 81 26 00-0092	EA	10 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P120YKMU-A)	15,884.03	595.36
23 81 26 00-0093	EA	12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YKMU-A)	19,592.06	615.21
23 81 26 00-0094	EA	12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YSKMU-A)	26,053.42	635.05
23 81 26 00-0095	EA	14 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P168YSKMU-A)	27,021.76	654.90
23 81 26 00-0096	EA	16 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P192YSKMU-A)	27,990.10	674.75
23 81 26 00-0097	EA	18 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P216YSKMU-A)	29,631.27	714.44
23 81 26 00-0098	EA	20 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P240YSKMU-A)	31,272.41	754.13
23 81 26 00-0099	EA	22 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P264YSKMU-A)	35,020.13	793.82
23 81 26 00-0100	EA	24 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P288YSKMU-A)	38,767.85	833.51

23 81 26 00-0101 Indoor Units *(23 81 26 00-0088)*

23 81 26 00-0102	EA	6 MBH Cooling, 6.7 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P06NBMU-E2)	1,166.66	128.99
23 81 26 00-0103	EA	8 MBH Cooling, 9 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P08NHMU-E2)	1,226.47	138.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 00-0104	EA	12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P12NHMU-E2)	1,279.98	148.84
23 81 26 00-0105	EA	15 MBH Cooling, 17 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P15NHMU-E2)	1,343.99	158.76
23 81 26 00-0106	EA	18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P18NHMU-E2)	1,457.16	188.53
23 81 26 00-0107	EA	24 MBH Cooling, 27 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P24NKMU-E2)	1,629.10	228.22
23 81 26 00-0108	EA	30 MBH Cooling, 34 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P30NKMU-E2)	1,764.49	248.07
23 81 26 00-0109	EA	6 MBH Cooling, 6.7 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P06NMAU-E2)	1,686.76	141.89
23 81 26 00-0110	EA	8 MBH Cooling, 9 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P08NMAU-E2)	1,746.45	152.81
23 81 26 00-0111	EA	12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P12NMAU-E2)	1,841.91	163.73
23 81 26 00-0112	EA	15 MBH Cooling, 17 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P15NMAU-E2)	1,998.35	174.64
23 81 26 00-0113	EA	18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P18NMAU-E2)	2,111.16	207.38
23 81 26 00-0114	EA	24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P24NMAU-E2)	2,319.43	251.05
23 81 26 00-0115	EA	27 MBH Cooling, 30 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P27NMAU-E2)	2,439.07	261.96
23 81 26 00-0116	EA	30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P30NMAU-E2)	2,571.33	272.87
23 81 26 00-0117	EA	36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P36NMAU-E2)	2,852.02	300.16
23 81 26 00-0118	EA	48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P48NMAU-E2)	3,161.30	330.17
23 81 26 00-0119	EA	54 MBH Cooling, 60 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P54NMAU-E2)	3,421.90	363.20
23 81 26 00-0120	EA	72 MBH Cooling, 80 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P72NMHSU-E)	4,332.74	399.51
23 81 26 00-0121	EA	96 MBH Cooling, 108 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P96NMHSU-E)	4,917.47	439.47
23 81 26 00-0122	EA	12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P12NBMU-ER2)	1,881.87	163.73
23 81 26 00-0123	EA	15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P15NBMU-ER2)	1,984.67	174.64
23 81 26 00-0124	EA	18 MBH Cooling, 20 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P18NBMU-ER2)	2,097.49	207.38
23 81 26 00-0125	EA	24 MBH Cooling, 27 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P24NBMU-ER2)	2,353.08	251.05
23 81 26 00-0126	EA	30 MBH Cooling, 34 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P30NBMU-ER2)	2,534.52	272.87
23 81 26 00-0127	EA	36 MBH Cooling, 40 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P36NBMU-ER2)	3,093.91	300.16
23 81 26 00-0128	EA	6 MBH Cooling, 6.7 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P06NBMU-ER5)	1,724.62	141.89
23 81 26 00-0129	EA	8 MBH Cooling, 9 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P08NBMU-ER5)	1,813.76	152.81
23 81 26 00-0130	EA	12 MBH Cooling, 13.5 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P12NBMU-ER5)	1,949.18	163.73
23 81 26 00-0131	EA	15 MBH Cooling, 17 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P15NBMU-ER5)	2,051.98	174.64
23 81 26 00-0132	EA	8 MBH Cooling, 9 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P08NCMU-ER4)	1,598.16	152.81
23 81 26 00-0133	EA	12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P12NCMU-ER4)	1,679.95	163.73
23 81 26 00-0134	EA	15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P15NCMU-ER4)	1,765.92	174.64

23 81 26 00-0135 Controllers For Outdoor Units *(23 81 26 00-0088)*

23 81 26 00-0136	EA	8 Branch (Main BC) (Mitsubishi CMB-P108NU-GA)	5,787.97	119.07
23 81 26 00-0137	EA	10 Branch (Main BC) (Mitsubishi CMB-P1010NU-GA)	6,678.49	138.91
23 81 26 00-0138	EA	13 Branch (Main BC) (Mitsubishi CMB-P1013NU-GA)	7,744.64	158.76
23 81 26 00-0139	EA	16 Branch (Main BC) (Mitsubishi CMB-P1016NU-HA)	9,191.49	178.61
23 81 26 00-0140	EA	4 Branch (Sub BC) (Mitsubishi CMB-P104NU-GB)	3,379.07	79.39
23 81 26 00-0141	EA	8 Branch (Sub BC) (Mitsubishi CMB-P108NU-GB)	5,205.33	119.07
23 81 26 00-0142	EA	16 Branch (Sub BC) (Mitsubishi CMB-P1016NU-HB)	7,956.79	178.61
23 81 26 00-0143	EA	ME Remote Controller (Mitsubishi PAR-F27MEA-US)	451.13	15.88
23 81 26 00-0144	EA	AG-150 Standard Package (Mitsubishi AG-150A-Standard)	4,682.12	15.88
23 81 26 00-0145	EA	GB-50ADA Standard Package (Mitsubishi GB-50ADA-A)	2,854.27	15.88

23 81 26 00-0146 Energy Recovery Units *(23 81 26 00-0088)*

23 81 26 00-0147	EA	36.2 MBH Cooling, 39.9 MBH Heating Hydronic Heat Exchanger Auxiliary Unit (Mitsubishi PWFY-P36NMU-E-AU)	4,290.35	119.07
23 81 26 00-0148	EA	39.9 MBH Hydronic Heat Exchanger Booster Unit (Mitsubishi PWFY-P36NMU-E-BU)	8,113.28	119.07
23 81 26 00-0149	EA	112 MBH Cooling, 61.4 MBH Heating Reheat Unit (Mitsubishi PEFY-AF1200CFMR)	8,230.80	138.91
23 81 26 00-0150	EA	Lossnay Energy Recovery Ventilator ERV, 300 CFM (Mitsubishi LGH-F300RX5-E)	1,712.90	99.23
23 81 26 00-0151	EA	Lossnay Energy Recovery Ventilator ERV, 470 CFM (Mitsubishi LGH-F470RX5-E)	2,181.49	103.19
23 81 26 00-0152	EA	Lossnay Energy Recovery Ventilator ERV, 600 CFM (Mitsubishi LGH-F600RX5-E)	2,600.64	107.16
23 81 26 00-0153	EA	Lossnay Energy Recovery Ventilator ERV, 1,200 CFM (Mitsubishi LGH-F1200RX3-E)	4,737.32	119.07

23 81 26 00-0154 Piping Specialties *(23 81 26 00-0088)*

23 81 26 00-0155	EA	Maintenance Tool Interface (Mitsubishi CMS-MNG-E)	599.47	
23 81 26 00-0156	EA	Branch Joint (Mitsubishi CMY-Y102SS-G2)	161.93	30.89
23 81 26 00-0157	EA	Branch Joint (Mitsubishi CMY-Y102LS-G2)	161.93	30.89
23 81 26 00-0158	EA	Branch Joint (Mitsubishi CMY-Y202S-G2)	179.68	32.52
23 81 26 00-0159	EA	Branch Joint (Mitsubishi CMY-Y302S-G2)	224.60	36.59
23 81 26 00-0160	EA	Header - 4 Branch (Mitsubishi CMY-Y64-G-E)	293.93	52.85
23 81 26 00-0161	EA	Header - 8 Branch (Mitsubishi CMY-Y68-G-E)	500.59	105.68
23 81 26 00-0162	EA	Refrigeration Ball Valve-Flare/Schrader/Insulated - 3/8" (Mitsubishi BV38FFSI)	81.76	13.01
23 81 26 00-0163	EA	Refrigeration Ball Valve-Flare/Schrader/Insulated - 5/8" (Mitsubishi BV58FFSI)	92.56	17.88

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 00-0164		Daikin VRV *(23 81 26 00-0001)*		
23 81 26 00-0165		Heat Pump Outdoor Units *(23 81 26 00-0164)*		
23 81 26 00-0166	EA	6 Ton Heat Pump Outdoor Unit (Daikin RXYQ72PBTJ)	12,906.82	416.75
23 81 26 00-0167	EA	8 Ton Heat Pump Outdoor Unit (Daikin RXYQ96PBTJ)	14,442.37	496.14
23 81 26 00-0168	EA	10 Ton Heat Pump Outdoor Unit (Daikin RXYQ120PBTJ)	16,123.50	595.36
23 81 26 00-0169	EA	12 Ton Heat Pump Outdoor Unit (Daikin RXYQ144PBTJ)	20,081.73	615.21
23 81 26 00-0170	EA	14 Ton Heat Pump Outdoor Unit (Daikin RXYQ168PBTJ)	26,833.19	654.90
23 81 26 00-0171	EA	16 Ton Heat Pump Outdoor Unit (Daikin RXYQ192PBTJ)	28,355.57	674.75
23 81 26 00-0172	EA	18 Ton Heat Pump Outdoor Unit (Daikin RXYQ216PBTJ)	29,811.74	714.44
23 81 26 00-0173	EA	20 Ton Heat Pump Outdoor Unit (Daikin RXYQ240PBTJ)	31,373.80	754.13
23 81 26 00-0174	EA	22 Ton Heat Pump Outdoor Unit (Daikin RXYQ264PBTJ)	40,561.12	793.82
23 81 26 00-0175	EA	24 Ton Heat Pump Outdoor Unit (Daikin RXYQ288PBTJ)	42,123.19	833.51
23 81 26 00-0176	EA	26 Ton Heat Pump Outdoor Unit (Daikin RXYQ312PBTJ)	43,685.25	873.20
23 81 26 00-0177	EA	28 Ton Heat Pump Outdoor Unit (Daikin RXYQ336PBTJ)	45,141.42	912.89
23 81 26 00-0178	EA	30 Ton Heat Pump Outdoor Unit (Daikin RXYQ360PBTJ)	46,703.49	952.59
23 81 26 00-0179		Heat Recovery Heat Pump Outdoor Units *(23 81 26 00-0164)*		
23 81 26 00-0180	EA	6 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ72PBTJ)	16,532.89	541.78
23 81 26 00-0181	EA	8 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ96PBTJ)	18,057.10	644.98
23 81 26 00-0182	EA	10 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ120PBTJ)	19,869.72	773.98
23 81 26 00-0183	EA	12 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ144PBTJ)	24,898.90	799.78
23 81 26 00-0184	EA	14 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ168PBTJ)	33,580.51	851.37
23 81 26 00-0185	EA	16 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ192PBTJ)	36,173.85	877.17
23 81 26 00-0186	EA	18 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ216PBTJ)	37,547.93	928.77
23 81 26 00-0187	EA	20 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ240PBTJ)	38,922.00	980.37
23 81 26 00-0188	EA	22 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ264PBTJ)	51,151.45	1,031.96
23 81 26 00-0189	EA	24 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ288PBTJ)	52,525.52	1,083.57
23 81 26 00-0190	EA	26 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ312PBTJ)	55,170.47	1,135.16
23 81 26 00-0191	EA	28 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ336PBTJ)	56,544.54	1,186.76
23 81 26 00-0192		Indoor Units *(23 81 26 00-0164)*		
23 81 26 00-0193	EA	7.5 MBH Cooling, 8.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ07PVJU)	1,516.74	138.91
23 81 26 00-0194	EA	9.5 MBH Cooling, 10.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ09PVJU)	1,583.62	142.89
23 81 26 00-0195	EA	12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ12PVJU)	1,786.37	148.84
23 81 26 00-0196	EA	18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ18PVJU)	2,011.61	188.53
23 81 26 00-0197	EA	24 MBH Cooling, 26.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ24PVJU)	2,216.89	228.22
23 81 26 00-0198	EA	7.5 MBH Cooling, 8.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ07PVJU)	2,199.94	152.81
23 81 26 00-0199	EA	9.5 MBH Cooling, 10.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ09PVJU)	2,273.61	157.17
23 81 26 00-0200	EA	12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ12PVJU)	2,387.64	87.32
23 81 26 00-0201	EA	18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ18PVJU)	2,549.88	207.38
23 81 26 00-0202	EA	24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ24PVJU)	3,023.86	251.05
23 81 26 00-0203	EA	30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ30PVJU)	3,452.19	272.87
23 81 26 00-0204	EA	36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ36PVJU)	3,692.59	300.16
23 81 26 00-0205	EA	48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ48PVJU)	3,827.55	330.17
23 81 26 00-0206	EA	7.5 MBH Cooling, 8.7 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ07M7VJU)	2,453.72	152.81
23 81 26 00-0207	EA	9.5 MBH Cooling, 11.1 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ09M7VJU)	2,512.40	157.17
23 81 26 00-0208	EA	12 MBH Cooling, 14 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ12M7VJU)	2,670.38	163.73
23 81 26 00-0209	EA	18 MBH Cooling, 21 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ18M7VJU)	2,862.60	207.38
23 81 26 00-0210		Branch Selector Boxes *(23 81 26 00-0164)*		
23 81 26 00-0211	EA	144 MBH, 4 Branch, Multi Port Branch Selector Box (Daikin BSV4Q36PVJU)	7,347.02	178.61
23 81 26 00-0212	EA	216 MBH, 6 Branch, Multi Port Branch Selector Box (Daikin BSV6Q36PVJU)	10,855.10	238.15
23 81 26 00-0213	EA	36 MBH, 4 Branch, Single Port Branch Selector Box (Daikin BSVQ36PVJU)	1,467.60	79.39
23 81 26 00-0214	EA	60 MBH, 8 Branch, Single Port Branch Selector Box (Daikin BSVQ60PVJU)	1,983.60	119.07
23 81 26 00-0215	EA	96 MBH, 8 Branch, Single Port Branch Selector Box (Daikin BSVQ96PVJU)	2,475.33	178.61
23 81 26 00-0216		Controllers *(23 81 26 00-0164)*		
23 81 26 00-0217	EA	Up To 16 Units, Navigation Controller (Daikin BRC1E71)	483.47	15.88
23 81 26 00-0218	EA	Individual Zone Controller (Daikin BRC2A71)	359.58	15.88
23 81 26 00-0219	EA	Up To 16 Groups, Unified ON/OFF Controller (Daikin DCS301C71)	662.31	15.88
23 81 26 00-0220	EA	Up To 64 Units, Multizone Controller (Daikin DCS302C71)	913.09	15.88
23 81 26 00-0221	EA	I-Touch Manager Replaced Both Daikin IMP-128 thru 1024 and DCS601C71 (Daikin DCM601A71)	8,599.24	190.52
23 81 26 00-0222	EA	I-Touch Manager D3net Plus Adapter (Daikin DCM601A72)	1,557.52	15.88
23 81 26 00-0223		Energy Recovery Units *(23 81 26 00-0164)*		
23 81 26 00-0224	EA	300 CFM Energy Recovery Unit (Daikin VAM300GVJU)	2,555.36	99.23
23 81 26 00-0225	EA	470 CFM Energy Recovery Unit (Daikin VAM470GVJU)	3,304.66	103.19
23 81 26 00-0226	EA	600 CFM Energy Recovery Unit (Daikin VAM600GVJU)	3,948.02	107.16
23 81 26 00-0227	EA	1,200 CFM Energy Recovery Unit (Daikin VAM1200GVJU)	7,333.86	119.07

23 81 43 Air-Source Unitary Heat Pumps *(23 81)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 43 00-0001		**Single Package Thru-Wall Heat Pumps** *(23 81 43)* Note: Air-to-air type with electric heat. Includes throwaway filters. Through the wall units are wired for 230/208 V, 1 phase, 60 HZ. With electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls all mounted in a steel cabinet, wall sleeve and outdoor grille. Excludes crane and associated personnel.		
23 81 43 00-0002	EA	1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	1,768.22	129.30
		For Unit Economizer, Add	*207.19*	
		For >35 To 70, Deduct	*-45.55*	
		For >70 To 100, Deduct	*-75.91*	
		For >100, Deduct	*-106.28*	
		For Low Ambient Protection, 0 Degree F, Add	*199.14*	
23 81 43 00-0003	EA	1 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	1,954.16	137.92
		For Unit Economizer, Add	*229.15*	
		For >35 To 70, Deduct	*-50.61*	
		For >70 To 100, Deduct	*-84.35*	
		For >100, Deduct	*-118.09*	
		For Low Ambient Protection, 0 Degree F, Add	*218.63*	
23 81 43 00-0004	EA	1-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	3,371.18	137.92
		For Unit Economizer, Add	*399.20*	
		For >35 To 70, Deduct	*-93.12*	
		For >70 To 100, Deduct	*-155.20*	
		For >100, Deduct	*-217.28*	
		For Low Ambient Protection, 0 Degree F, Add	*346.16*	
23 81 43 00-0005	EA	2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	3,692.07	137.92
		For Unit Economizer, Add	*437.36*	
		For >35 To 70, Deduct	*-102.23*	
		For >70 To 100, Deduct	*-170.38*	
		For >100, Deduct	*-238.53*	
		For Low Ambient Protection, 0 Degree F, Add	*173.34*	
23 81 43 00-0006	EA	2-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	4,181.66	146.55
		For Unit Economizer, Add	*495.77*	
		For >35 To 70, Deduct	*-116.40*	
		For >70 To 100, Deduct	*-194.00*	
		For >100, Deduct	*-271.60*	
		For Low Ambient Protection, 0 Degree F, Add	*191.82*	
23 81 43 00-0007	EA	3 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	4,384.09	155.16
		For Unit Economizer, Add	*520.06*	
		For >35 To 70, Deduct	*-122.47*	
		For >70 To 100, Deduct	*-204.12*	
		For >100, Deduct	*-285.77*	
		For Low Ambient Protection, 0 Degree F, Add	*606.14*	
23 81 43 00-0008	EA	3-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	4,941.15	155.16
		For Unit Economizer, Add	*586.56*	
		For >35 To 70, Deduct	*-138.67*	
		For >70 To 100, Deduct	*-231.11*	
		For >100, Deduct	*-323.55*	
		For Low Ambient Protection, 0 Degree F, Add	*680.62*	
23 81 43 00-0009	EA	4 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	5,455.85	163.78
		For Unit Economizer, Add	*648.15*	
		For >35 To 70, Deduct	*-153.85*	
		For >70 To 100, Deduct	*-256.41*	
		For >100, Deduct	*-358.98*	
		For Low Ambient Protection, 0 Degree F, Add	*748.57*	
23 81 43 00-0010	EA	5 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	6,283.56	189.64
		For Unit Economizer, Add	*746.44*	
		For >35 To 70, Deduct	*-177.13*	
		For >70 To 100, Deduct	*-295.21*	
		For >100, Deduct	*-413.30*	
		For Low Ambient Protection, 0 Degree F, Add	*862.38*	
23 81 43 00-0011	EA	7-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	11,556.91	224.12
		For Unit Economizer, Add	*1,377.69*	
		For >35 To 70, Deduct	*-333.00*	
		For >70 To 100, Deduct	*-555.00*	
		For >100, Deduct	*-777.00*	
		For Low Ambient Protection, 0 Degree F, Add	*1,557.22*	
23 81 43 00-0012	EA	10 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	14,882.77	284.46
		For Unit Economizer, Add	*1,774.38*	
		For >35 To 70, Deduct	*-429.16*	
		For >70 To 100, Deduct	*-715.26*	
		For >100, Deduct	*-1,001.37*	
		For Low Ambient Protection, 0 Degree F, Add	*287.44*	
23 81 43 00-0013	EA	12-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	18,182.03	318.94
		For Unit Economizer, Add	*2,169.09*	
		For >35 To 70, Deduct	*-526.32*	
		For >70 To 100, Deduct	*-877.21*	
		For >100, Deduct	*-1,228.09*	
		For Low Ambient Protection, 0 Degree F, Add	*334.91*	
23 81 43 00-0014	EA	15 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	22,443.22	362.04
		For Unit Economizer, Add	*2,678.88*	
		For >35 To 70, Deduct	*-651.83*	
		For >70 To 100, Deduct	*-1,086.39*	
		For >100, Deduct	*-1,520.94*	
		For Low Ambient Protection, 0 Degree F, Add	*396.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 43 00-0015	EA	20 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	29,926.08	387.90
		For Unit Economizer, Add	*3,575.61*	
		For >35 To 70, Deduct	*-874.51*	
		For >70 To 100, Deduct	*-1,457.51*	
		For >100, Deduct	*-2,040.52*	
		For Low Ambient Protection, 0 Degree F, Add	*485.45*	
23 81 43 00-0016	EA	25 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	36,068.02	422.38
		For Unit Economizer, Add	*4,311.27*	
		For >35 To 70, Deduct	*-1,056.70*	
		For >70 To 100, Deduct	*-1,761.16*	
		For >100, Deduct	*-2,465.63*	
		For Low Ambient Protection, 0 Degree F, Add	*563.42*	

23 81 43 00-0017 Single Package Vertical Wall Heat Pumps *(23 81 43)*

Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 V, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel.

23 81 43 00-0018	EA	1/2 Ton Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	2,720.79	172.40
23 81 43 00-0019	EA	1 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	3,311.78	189.64
23 81 43 00-0020	EA	1-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	4,298.02	198.26
23 81 43 00-0021	EA	2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	4,931.75	215.50
23 81 43 00-0022	EA	2-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	6,173.72	249.98
23 81 43 00-0023	EA	3 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	6,591.05	284.46
23 81 43 00-0024	EA	3-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	7,153.13	318.94
23 81 43 00-0025	EA	4 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	8,050.84	353.42
23 81 43 00-0026	EA	5 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	9,068.51	422.38

23 81 43 00-0027 Heat Pump, Room Air-Conditioners *(23 81 43)*

Note: Includes throwaway filters and supplemental heat.

23 81 43 00-0028 Heat Pump, Window Unit, Room Air-Conditioners *(23 81 43 00-0027)*

23 81 43 00-0029 Heat Pump, Window Unit, Room Air-Conditioners (Friedrich) *(23 81 43 00-0028)*

23 81 43 00-0030	EA	9,500 BTU, 10.4 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS10N10B)	1,295.70	83.35
		For >10 To 50, Deduct	*-56.45*	
		For >50 To 75, Deduct	*-79.03*	
		For >75 To 100, Deduct	*-112.90*	
		For >100, Deduct	*-135.48*	
23 81 43 00-0031	EA	11,500 BTU, 10.4 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS12N33B)	1,515.70	83.35
		For >10 To 50, Deduct	*-67.45*	
		For >50 To 75, Deduct	*-94.43*	
		For >75 To 100, Deduct	*-134.90*	
		For >100, Deduct	*-161.88*	
23 81 43 00-0032	EA	17,500 BTU, 10.4 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YM18N34B)	1,715.70	83.35
		For >10 To 50, Deduct	*-77.45*	
		For >50 To 75, Deduct	*-108.43*	
		For >75 To 100, Deduct	*-154.90*	
		For >100, Deduct	*-185.88*	
23 81 43 00-0033	EA	24,000 BTU, 9.8 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YL24N35B)	1,945.70	83.35
		For >10 To 50, Deduct	*-88.95*	
		For >50 To 75, Deduct	*-124.53*	
		For >75 To 100, Deduct	*-177.90*	
		For >100, Deduct	*-213.48*	

23 81 43 00-0034 Heat Pump, Through-The-Wall, Room Air-Conditioners *(23 81 43 00-0027)*

Note: Base unit excludes wall sleeve.

23 81 43 00-0035 Heat Pump, Through-The-Wall, Room Air-Conditioners (Friedrich) *(23 81 43 00-0034)*

23 81 43 00-0036	EA	9,300 BTU, 9.8 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY09C33D)	1,218.07	59.54
		For >10 To 50, Deduct	*-54.95*	
		For >50 To 75, Deduct	*-76.93*	
		For >75 To 100, Deduct	*-109.90*	
		For >100, Deduct	*-131.88*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*201.39*	
23 81 43 00-0037	EA	12,000 BTU, 8.6 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY12C33)	1,268.07	59.54
		For >10 To 50, Deduct	*-57.45*	
		For >50 To 75, Deduct	*-80.43*	
		For >75 To 100, Deduct	*-114.90*	
		For >100, Deduct	*-137.88*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*201.39*	

23 81 46 Water-Source Unitary Heat Pumps *(23 81)*

23 81 46 00-0001 Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pumps *(23 81 46)*

Note: R410a. Includes rubber isolator hanger brackets. McQuay CCW Series.

23 81 46 00-0002	EA	7 MBH, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	1,677.95	162.65
23 81 46 00-0003	EA	9 MBH, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	1,727.64	162.65
23 81 46 00-0004	EA	12 MBH, 400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	1,990.96	178.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 46 00-0005	EA	19 MBH, 630 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	2,101.89	195.18
23 81 46 00-0006	EA	24 MBH, 800 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	2,255.88	211.45
23 81 46 00-0007	EA	30 MBH, 1,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	2,641.75	227.72
23 81 46 00-0008	EA	36 MBH, 1,200 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	2,707.40	243.98
23 81 46 00-0009	EA	42 MBH, 1,400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	2,949.74	260.25
23 81 46 00-0010	EA	48 MBH, 1,600 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	3,147.90	276.51
23 81 46 00-0011	EA	60 MBH, 2,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	3,208.04	292.78

23 81 49 Split System Heat Pumps *(23 81)*

23 81 49 00-0001 Air Cooled, Outdoor Section *(23 81 49)*

23 81 49 00-0002	EA	1.5 Ton, 14 SEER, Outdoor Heat Pump Unit	1,875.89	256.01
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*349.93*	
		For Winterstart Control, Add	*98.31*	
		For 16 SEER, Add	*431.52*	
		For 18 SEER, Add	*654.72*	
23 81 49 00-0003	EA	2 Ton, 14 SEER, Outdoor Heat Pump Unit	1,947.99	284.46
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*365.64*	
		For Winterstart Control, Add	*103.78*	
		For 16 SEER, Add	*439.93*	
		For 18 SEER, Add	*667.48*	
23 81 49 00-0004	EA	2.5 Ton, 14 SEER, Outdoor Heat Pump Unit	2,140.96	330.15
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*403.96*	
		For Winterstart Control, Add	*115.64*	
		For 16 SEER, Add	*475.89*	
		For 18 SEER, Add	*722.04*	
23 81 49 00-0005	EA	3 Ton, 14 SEER, Outdoor Heat Pump Unit	2,349.68	379.28
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*356.67*	
		For Winterstart Control, Add	*128.47*	
		For 16 SEER, Add	*514.75*	
		For 18 SEER, Add	*781.00*	
23 81 49 00-0006	EA	3.5 Ton, 14 SEER, Outdoor Heat Pump Unit	2,425.75	393.93
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*368.67*	
		For Winterstart Control, Add	*132.84*	
		For 16 SEER, Add	*530.41*	
		For 18 SEER, Add	*804.76*	
23 81 49 00-0007	EA	4 Ton, 14 SEER, Outdoor Heat Pump Unit	2,687.49	452.55
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*406.54*	
		For Winterstart Control, Add	*146.29*	
		For 16 SEER, Add	*591.89*	
		For 18 SEER, Add	*898.04*	
23 81 49 00-0008	EA	5 Ton, 14 SEER, Outdoor Heat Pump Unit	3,049.14	497.80
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*294.69*	
		For Winterstart Control, Add	*94.49*	
		For 16 SEER, Add	*678.02*	
		For 18 SEER, Add	*1,028.72*	
23 81 49 00-0009	EA	7.5 Ton, 11.5 EER, Outdoor Heat Pump Unit	6,015.21	555.68
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*459.52*	
		For Winterstart Control, Add	*131.60*	
23 81 49 00-0010	EA	10 Ton, 11.1 EER, Outdoor Heat Pump Unit	8,345.83	666.80
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*319.13*	
		For Winterstart Control, Add	*169.33*	
23 81 49 00-0011	EA	15 Ton, 10.9 EER, Outdoor Heat Pump Unit	11,002.93	777.94
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*357.77*	
		For Winterstart Control, Add	*209.81*	
23 81 49 00-0012	EA	20 Ton, 10.3 EER, Outdoor Heat Pump Unit	15,236.30	833.51
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*378.23*	
		For Winterstart Control, Add	*259.51*	

23 81 49 00-0013 Indoor Section, Horizontal Upflow *(23 81 49)*

Note: Electric heat. Includes throwaway filters.

23 81 49 00-0014	EA	2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	1,034.76	84.94
		For Additional 5 KW Electric Heat, Add	*94.94*	
23 81 49 00-0015	EA	2-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	1,136.79	105.81
		For Additional 5 KW Electric Heat, Add	*103.10*	
23 81 49 00-0016	EA	3 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	1,181.19	127.81
		For Additional 5 KW Electric Heat, Add	*105.32*	
23 81 49 00-0017	EA	3-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	1,599.52	149.64
		For Additional 5 KW Electric Heat, Add	*144.97*	
23 81 49 00-0018	EA	4 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat	1,637.77	168.68
		For Additional 5 KW Electric Heat, Add	*146.89*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 49 00-0019	EA	5 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat	1,814.61	193.69
		For Additional 5 KW Electric Heat, Add	*162.10*	
23 81 49 00-0020	EA	7-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat	3,903.50	317.53
		For Additional 5 KW Electric Heat, Add	*358.60*	
23 81 49 00-0021	EA	10 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 kW Electric Heat	5,791.52	357.21
		For Additional 5 KW Electric Heat, Add	*543.43*	
23 81 49 00-0022	EA	15 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15KW Electric Heat	8,159.11	396.91
		For Additional 5 KW Electric Heat, Add	*776.22*	
23 81 49 00-0023	EA	20 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 KW Electric Heat	9,265.10	476.29
		For Additional 5 KW Electric Heat, Add	*878.87*	

23 81 49 00-0024 Ductless Split System Heat Pumps *(23 81 49)*

Note: Excludes refrigerant piping, electrical, and pad. Sanyo units or equal. See CSI section 23 81 26 00-0030 for accessories.

23 81 49 00-0025 Wall Mounted Ductless Split System Heat Pumps *(23 81 49 00-0024)*

23 81 49 00-0026	EA	9,000 BTU Cooling, 12,200 BTU Heating, 16 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	1,824.83	261.96
23 81 49 00-0027	EA	11,900 BTU Cooling, 13,300 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,015.70	285.77
23 81 49 00-0028	EA	17,500 BTU Cooling, 20,400 BTU Heating, 20 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,463.27	317.53
23 81 49 00-0029	EA	24,200 BTU Cooling, 29,000 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,836.91	349.28
23 81 49 00-0030	EA	25,200 BTU Cooling, 29,200 BTU Heating, 14.9 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,040.93	381.03
23 81 49 00-0031	EA	29,800 BTU Cooling, 34,800 BTU Heating, 15 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,688.51	396.91
23 81 49 00-0032	EA	31,400 BTU Cooling, 36,400 BTU Heating, 15.9 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,144.94	423.11

23 81 49 00-0033 Dual and Tri Zone Wall Mounted Ductless Split System Heat Pumps *(23 81 49 00-0024)*

Note: Use this section only when matching indoor and outdoor capacity units are not used.

23 81 49 00-0034	EA	7,500 BTU Cooling, 8,500 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	753.92	127.01
23 81 49 00-0035	EA	9,000 BTU Cooling, 12,200 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	795.30	134.95
23 81 49 00-0036	EA	11,900 BTU Cooling, 14,300 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	837.40	142.89
23 81 49 00-0037	EA	17,500 BTU Cooling, 20,400 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	954.85	150.83
23 81 49 00-0038	EA	24,200 BTU Cooling, 29,000 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	1,017.75	158.76
23 81 49 00-0039	EA	19,700 BTU Cooling, 24,800 BTU Heating, 16.4 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	2,289.96	190.52
23 81 49 00-0040	EA	23,200 BTU Cooling, 29,200 BTU Heating, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	2,717.22	206.40
23 81 49 00-0041	EA	30,600 BTU Cooling, 32,000 BTU Heating, 17.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	4,427.00	222.27

23 81 49 00-0042 Suspended Ceiling Mounted Ductless Split System Heat Pumps *(23 81 49 00-0024)*

Note: Excludes hangers.

23 81 49 00-0043	EA	24,400 BTU Cooling, 30,800 BTU Heating, 14.5 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,323.70	381.03
23 81 49 00-0044	EA	31,200 BTU Cooling, 37,400 BTU Heating, 15.1 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,247.51	454.86
23 81 49 00-0045	EA	39,000 BTU Cooling, 44,500 BTU Heating, 15.6 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,345.34	476.29

23 81 49 00-0046 Recessed Ceiling Mounted Ductless Split System Heat Pumps *(23 81 49 00-0024)*

Note: Excludes hangers.

23 81 49 00-0047	EA	11,900 BTU Cooling, 13,600 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,857.29	317.53
23 81 49 00-0048	EA	17,500 BTU Cooling, 20,400 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,240.97	349.28
23 81 49 00-0049	EA	24,800 BTU Cooling, 29,800 BTU Heating, 14.1 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,295.43	412.78
23 81 49 00-0050	EA	32,600 BTU Cooling, 37,600 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,960.43	454.86
23 81 49 00-0051	EA	39,500 BTU Cooling, 48,000 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,201.80	476.29

23 82 Convection Heating And Cooling Units *(23 80)*

23 82 16 Air Coils *(23 82)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 00-0001		Chilled Water Cooling Coils *(23 82 16)* Note: Flanged construction, 16 gauge galvanized steel casing.		
23 82 16 00-0002		2 Row Chilled Water Cooling Coils *(23 82 16 00-0001)*		
23 82 16 00-0003	EA	12" x 12" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	822.59	40.66
23 82 16 00-0004	EA	12" x 24" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,353.91	55.30
23 82 16 00-0005	EA	24" x 30" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,834.43	87.02
23 82 16 00-0006	EA	24" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,236.20	124.43
23 82 16 00-0007	EA	30" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,394.31	152.89
23 82 16 00-0008	EA	30" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,692.95	185.42
23 82 16 00-0009	EA	30" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,901.81	214.70
23 82 16 00-0010	EA	30" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,157.54	379.31
23 82 16 00-0011	EA	34" x 32" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,893.33	144.19
23 82 16 00-0012	EA	34" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,472.75	245.53
23 82 16 00-0013	EA	34" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,772.91	304.98
23 82 16 00-0014	EA	34" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,081.32	368.33
23 82 16 00-0015	EA	34" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,383.52	428.92
23 82 16 00-0016		4 Row Chilled Water Cooling Coils *(23 82 16 00-0001)*		
23 82 16 00-0017	EA	12" x 12" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,026.94	84.58
23 82 16 00-0018	EA	12" x 24" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,643.36	121.99
23 82 16 00-0019	EA	24" x 30" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,264.57	203.32
23 82 16 00-0020	EA	24" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,803.36	301.72
23 82 16 00-0021	EA	30" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,254.70	370.04
23 82 16 00-0022	EA	30" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,876.33	452.18
23 82 16 00-0023	EA	30" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,342.89	542.45
23 82 16 00-0024	EA	30" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,310.75	631.43
23 82 16 00-0025	EA	34" x 32" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,631.51	272.53
23 82 16 00-0026	EA	34" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,395.98	409.90
23 82 16 00-0027	EA	34" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,787.09	508.30
23 82 16 00-0028	EA	34" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,272.88	612.40
23 82 16 00-0029	EA	34" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,715.15	715.93
23 82 16 00-0030		6 Row Chilled Water Cooling Coils *(23 82 16 00-0001)*		
23 82 16 00-0031	EA	12" x 12" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,443.11	107.36
23 82 16 00-0032	EA	12" x 24" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,719.53	159.40
23 82 16 00-0033	EA	24" x 30" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,371.53	271.64
23 82 16 00-0034	EA	24" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,242.88	406.64
23 82 16 00-0035	EA	30" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,246.54	508.30
23 82 16 00-0036	EA	30" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,852.71	625.42
23 82 16 00-0037	EA	30" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,651.88	739.27
23 82 16 00-0038	EA	30" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,474.33	861.51
23 82 16 00-0039	EA	34" x 32" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,312.64	372.40
23 82 16 00-0040	EA	34" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,287.76	558.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 00-0041	EA	34" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,869.27	699.42
23 82 16 00-0042	EA	34" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,431.77	840.20
23 82 16 00-0043	EA	34" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,995.99	977.48
23 82 16 00-0044		8 Row Chilled Water Cooling Coils *(23 82 16 00-0001)*		
23 82 16 00-0045	EA	12" x 12" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,801.69	129.31
23 82 16 00-0046	EA	12" x 24" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,226.07	198.44
23 82 16 00-0047	EA	24" x 30" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,351.18	353.78
23 82 16 00-0048	EA	24" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,485.81	542.45
23 82 16 00-0049	EA	30" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,400.04	678.27
23 82 16 00-0050	EA	30" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,285.66	813.28
23 82 16 00-0051	EA	30" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,209.57	903.55
23 82 16 00-0052	EA	30" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,316.26	1,048.07
23 82 16 00-0053	EA	34" x 32" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,796.57	453.81
23 82 16 00-0054	EA	34" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,931.51	682.26
23 82 16 00-0055	EA	34" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,606.81	849.88
23 82 16 00-0056	EA	34" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,253.57	1,016.60
23 82 16 00-0057	EA	34" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,938.15	1,196.01
23 82 16 00-0058		Direct Expansion Cooling Coils *(23 82 16)* Note: Flanged construction 16 gauge galvanized steel casing.		
23 82 16 00-0059		2 Row Direct Expansion Cooling Coils *(23 82 16 00-0058)*		
23 82 16 00-0060	EA	12" x 12" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	699.68	61.00
		For 10 Fins Per Inch, Add	*11.55*	
		For 12 Fins Per Inch, Add	*28.87*	
23 82 16 00-0061	EA	12" x 24" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	1,322.46	83.77
		For 10 Fins Per Inch, Add	*23.10*	
		For 12 Fins Per Inch, Add	*57.74*	
23 82 16 00-0062	EA	24" x 30" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	1,834.43	131.75
		For 10 Fins Per Inch, Add	*31.44*	
		For 12 Fins Per Inch, Add	*78.60*	
23 82 16 00-0063	EA	24" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,236.20	189.49
		For 10 Fins Per Inch, Add	*37.16*	
		For 12 Fins Per Inch, Add	*92.90*	
23 82 16 00-0064	EA	30" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,608.49	231.78
		For 10 Fins Per Inch, Add	*42.88*	
		For 12 Fins Per Inch, Add	*107.19*	
23 82 16 00-0065	EA	30" x 60" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,933.31	280.58
		For 10 Fins Per Inch, Add	*47.45*	
		For 12 Fins Per Inch, Add	*118.62*	
23 82 16 00-0066	EA	30" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	3,366.06	325.31
		For 10 Fins Per Inch, Add	*54.31*	
		For 12 Fins Per Inch, Add	*135.77*	
23 82 16 00-0067	EA	30" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,200.60	379.31
		For 10 Fins Per Inch, Add	*68.84*	
		For 12 Fins Per Inch, Add	*172.10*	
23 82 16 00-0068	EA	34" x 32" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	1,611.68	144.19
		For 10 Fins Per Inch, Add	*26.47*	
		For 12 Fins Per Inch, Add	*66.16*	
23 82 16 00-0069	EA	34" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,124.98	245.53
		For 10 Fins Per Inch, Add	*32.68*	
		For 12 Fins Per Inch, Add	*81.69*	
23 82 16 00-0070	EA	34" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,669.86	368.33
		For 10 Fins Per Inch, Add	*38.66*	
		For 12 Fins Per Inch, Add	*96.66*	
23 82 16 00-0071	EA	34" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,940.24	428.92
		For 10 Fins Per Inch, Add	*41.65*	
		For 12 Fins Per Inch, Add	*104.12*	
23 82 16 00-0072		4 Row Direct Expansion Cooling Coils *(23 82 16 00-0058)*		
23 82 16 00-0073	EA	12" x 12" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	1,149.84	84.58
		For 10 Fins Per Inch, Add	*19.61*	
		For 12 Fins Per Inch, Add	*49.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 00-0074	EA	12" x 24" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	1,643.36	121.99
		For 10 Fins Per Inch, Add	*28.01*	
		For 12 Fins Per Inch, Add	*70.03*	
23 82 16 00-0075	EA	24" x 30" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,264.57	203.32
		For 10 Fins Per Inch, Add	*37.16*	
		For 12 Fins Per Inch, Add	*92.90*	
23 82 16 00-0076	EA	24" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,803.36	301.72
		For 10 Fins Per Inch, Add	*44.02*	
		For 12 Fins Per Inch, Add	*110.05*	
23 82 16 00-0077	EA	30" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	3,254.70	370.04
		For 10 Fins Per Inch, Add	*50.31*	
		For 12 Fins Per Inch, Add	*125.77*	
23 82 16 00-0078	EA	30" x 60" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	3,876.33	452.18
		For 10 Fins Per Inch, Add	*59.45*	
		For 12 Fins Per Inch, Add	*148.63*	
23 82 16 00-0079	EA	30" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,342.89	542.45
		For 10 Fins Per Inch, Add	*65.17*	
		For 12 Fins Per Inch, Add	*162.93*	
23 82 16 00-0080	EA	30" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,310.75	631.43
		For 10 Fins Per Inch, Add	*60.96*	
		For 12 Fins Per Inch, Add	*152.39*	
23 82 16 00-0081	EA	34" x 32" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,631.51	272.53
		For 10 Fins Per Inch, Add	*41.73*	
		For 12 Fins Per Inch, Add	*104.32*	
23 82 16 00-0082	EA	34" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	3,395.98	409.90
		For 10 Fins Per Inch, Add	*51.52*	
		For 12 Fins Per Inch, Add	*128.81*	
23 82 16 00-0083	EA	34" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	5,195.95	720.97
		For 10 Fins Per Inch, Add	*75.08*	
		For 12 Fins Per Inch, Add	*187.70*	
23 82 16 00-0084	EA	34" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	5,958.90	840.20
		For 10 Fins Per Inch, Add	*85.57*	
		For 12 Fins Per Inch, Add	*213.93*	

23 82 16 00-0085 6 Row Direct Expansion Cooling Coils *(23 82 16 00-0058)*

23 82 16 00-0086	EA	12" x 12" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	1,471.69	106.54
		For 10 Fins Per Inch, Add	*25.15*	
		For 12 Fins Per Inch, Add	*62.88*	
23 82 16 00-0087	EA	12" x 24" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	1,719.53	159.40
		For 10 Fins Per Inch, Add	*28.01*	
		For 12 Fins Per Inch, Add	*70.03*	
23 82 16 00-0088	EA	24" x 30" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,514.44	271.64
		For 10 Fins Per Inch, Add	*39.45*	
		For 12 Fins Per Inch, Add	*98.61*	
23 82 16 00-0089	EA	24" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	3,242.88	406.64
		For 10 Fins Per Inch, Add	*48.59*	
		For 12 Fins Per Inch, Add	*121.48*	
23 82 16 00-0090	EA	30" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,246.54	508.30
		For 10 Fins Per Inch, Add	*64.60*	
		For 12 Fins Per Inch, Add	*161.50*	
23 82 16 00-0091	EA	30" x 60" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,852.71	625.42
		For 10 Fins Per Inch, Add	*72.03*	
		For 12 Fins Per Inch, Add	*180.08*	
23 82 16 00-0092	EA	30" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	5,651.88	739.27
		For 10 Fins Per Inch, Add	*83.46*	
		For 12 Fins Per Inch, Add	*208.66*	
23 82 16 00-0093	EA	30" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	5,474.33	861.51
		For 10 Fins Per Inch, Add	*75.03*	
		For 12 Fins Per Inch, Add	*187.56*	
23 82 16 00-0094	EA	34" x 32" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	3,312.64	372.40
		For 10 Fins Per Inch, Add	*51.36*	
		For 12 Fins Per Inch, Add	*128.39*	
23 82 16 00-0095	EA	34" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,287.76	558.56
		For 10 Fins Per Inch, Add	*63.41*	
		For 12 Fins Per Inch, Add	*158.53*	
23 82 16 00-0096	EA	34" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	5,418.00	833.29
		For 10 Fins Per Inch, Add	*75.03*	
		For 12 Fins Per Inch, Add	*187.57*	
23 82 16 00-0097	EA	34" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	5,995.99	977.48
		For 10 Fins Per Inch, Add	*80.82*	
		For 12 Fins Per Inch, Add	*202.05*	

23 82 16 00-0098 8 Row Direct Expansion Cooling Coils *(23 82 16 00-0058)*

23 82 16 00-0099	EA	12" x 12" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	1,830.27	128.50
		For 10 Fins Per Inch, Add	*31.44*	
		For 12 Fins Per Inch, Add	*78.60*	
23 82 16 00-0100	EA	12" x 24" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,226.07	198.44
		For 10 Fins Per Inch, Add	*36.59*	
		For 12 Fins Per Inch, Add	*91.47*	
23 82 16 00-0101	EA	24" x 30" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	3,351.18	353.78
		For 10 Fins Per Inch, Add	*52.88*	
		For 12 Fins Per Inch, Add	*132.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 00-0102	EA	24" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,485.81	542.45
		For 10 Fins Per Inch, Add	*68.03*	
		For 12 Fins Per Inch, Add	*170.07*	
23 82 16 00-0103	EA	30" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	5,400.04	678.27
		For 10 Fins Per Inch, Add	*80.89*	
		For 12 Fins Per Inch, Add	*202.23*	
23 82 16 00-0104	EA	30" x 60" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	6,285.66	813.28
		For 10 Fins Per Inch, Add	*93.18*	
		For 12 Fins Per Inch, Add	*232.96*	
23 82 16 00-0105	EA	30" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	7,209.57	903.55
		For 10 Fins Per Inch, Add	*108.05*	
		For 12 Fins Per Inch, Add	*270.11*	
23 82 16 00-0106	EA	30" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	6,316.26	1,048.07
		For 10 Fins Per Inch, Add	*84.40*	
		For 12 Fins Per Inch, Add	*211.01*	
23 82 16 00-0107	EA	34" x 32" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	3,796.57	453.81
		For 10 Fins Per Inch, Add	*57.78*	
		For 12 Fins Per Inch, Add	*144.44*	
23 82 16 00-0108	EA	34" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,931.51	682.26
		For 10 Fins Per Inch, Add	*71.34*	
		For 12 Fins Per Inch, Add	*178.35*	
23 82 16 00-0109	EA	34" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	6,274.10	1,026.84
		For 10 Fins Per Inch, Add	*84.41*	
		For 12 Fins Per Inch, Add	*211.02*	
23 82 16 00-0110	EA	34" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	6,938.15	1,196.01
		For 10 Fins Per Inch, Add	*90.92*	
		For 12 Fins Per Inch, Add	*227.31*	

23 82 16 00-0111 Hot Water Heating Coils *(23 82 16)*

Note: Flanged construction.

23 82 16 00-0112 1 Row Hot Water Heating Coils *(23 82 16 00-0111)*

23 82 16 00-0113	EA	12" x 12" Hot Water Heating Coil, 1 Row Flanged Construction	848.65	109.79
		For 10 Fins Per Inch, Add	*12.58*	
		For 12 Fins Per Inch, Add	*31.44*	
		For 230 PSIG Heavy Duty, Add	*191.71*	
23 82 16 00-0114	EA	12" x 24" Hot Water Heating Coil, 1 Row Flanged Construction	1,252.28	140.69
		For 10 Fins Per Inch, Add	*19.44*	
		For 12 Fins Per Inch, Add	*48.59*	
		For 230 PSIG Heavy Duty, Add	*278.50*	
23 82 16 00-0115	EA	24" x 30" Hot Water Heating Coil, 1 Row Flanged Construction	1,530.62	193.56
		For 10 Fins Per Inch, Add	*22.87*	
		For 12 Fins Per Inch, Add	*57.17*	
		For 230 PSIG Heavy Duty, Add	*344.85*	
23 82 16 00-0116	EA	24" x 48" Hot Water Heating Coil, 1 Row Flanged Construction	1,828.44	271.64
		For 10 Fins Per Inch, Add	*25.73*	
		For 12 Fins Per Inch, Add	*64.31*	
		For 230 PSIG Heavy Duty, Add	*419.91*	
23 82 16 00-0117	EA	30" x 48" Hot Water Heating Coil, 1 Row Flanged Construction	2,079.81	325.31
		For 10 Fins Per Inch, Add	*28.58*	
		For 12 Fins Per Inch, Add	*71.46*	
		For 230 PSIG Heavy Duty, Add	*481.03*	
23 82 16 00-0118	EA	30" x 60" Hot Water Heating Coil, 1 Row Flanged Construction	2,442.54	406.64
		For 10 Fins Per Inch, Add	*32.59*	
		For 12 Fins Per Inch, Add	*81.46*	
		For 230 PSIG Heavy Duty, Add	*569.84*	
23 82 16 00-0119	EA	30" x 72" Hot Water Heating Coil, 1 Row Flanged Construction	2,732.99	451.37
		For 10 Fins Per Inch, Add	*36.59*	
		For 12 Fins Per Inch, Add	*91.47*	
		For 230 PSIG Heavy Duty, Add	*636.96*	
23 82 16 00-0120	EA	30" x 84" Hot Water Heating Coil, 1 Row Flanged Construction	3,372.25	524.81
		For 10 Fins Per Inch, Add	*46.38*	
		For 12 Fins Per Inch, Add	*115.94*	
		For 230 PSIG Heavy Duty, Add	*779.80*	
23 82 16 00-0121	EA	34" x 32" Hot Water Heating Coil, 1 Row Flanged Construction	1,455.99	227.39
		For 10 Fins Per Inch, Add	*20.02*	
		For 12 Fins Per Inch, Add	*50.06*	
		For 230 PSIG Heavy Duty, Add	*336.68*	
23 82 16 00-0122	EA	34" x 48" Hot Water Heating Coil, 1 Row Flanged Construction	2,183.97	341.17
		For 10 Fins Per Inch, Add	*30.03*	
		For 12 Fins Per Inch, Add	*75.08*	
		For 230 PSIG Heavy Duty, Add	*505.02*	
23 82 16 00-0123	EA	34" x 72" Hot Water Heating Coil, 1 Row Flanged Construction	3,284.63	516.02
		For 10 Fins Per Inch, Add	*45.05*	
		For 12 Fins Per Inch, Add	*112.63*	
		For 230 PSIG Heavy Duty, Add	*760.13*	
23 82 16 00-0124	EA	34" x 84" Hot Water Heating Coil, 1 Row Flanged Construction	3,823.95	598.00
		For 10 Fins Per Inch, Add	*52.56*	
		For 12 Fins Per Inch, Add	*131.40*	
		For 230 PSIG Heavy Duty, Add	*884.39*	
23 82 16 00-0125	SF	>15 SF Hot Water Heating Coil, 1 Row, Flanged Construction	175.27	30.09
		For 10 Fins Per Inch, Add	*2.30*	
		For 12 Fins Per Inch, Add	*5.75*	
		For 230 PSIG Heavy Duty, Add	*41.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 00-0126		**2 Row Hot Water Heating Coils** *(23 82 16 00-0111)*		
23 82 16 00-0127	EA	12" x 12" Hot Water Heating Coil, 2 Row Flanged Construction	1,357.27	135.82
		For 10 Fins Per Inch, Add	*21.72*	
		For 12 Fins Per Inch, Add	*54.31*	
		For 230 PSIG Heavy Duty, Add	*298.56*	
23 82 16 00-0128	EA	12" x 24" Hot Water Heating Coil, 2 Row Flanged Construction	1,476.22	180.55
		For 10 Fins Per Inch, Add	*22.30*	
		For 12 Fins Per Inch, Add	*55.74*	
		For 230 PSIG Heavy Duty, Add	*331.39*	
23 82 16 00-0129	EA	24" x 30" Hot Water Heating Coil, 2 Row Flanged Construction	1,999.94	271.64
		For 10 Fins Per Inch, Add	*29.16*	
		For 12 Fins Per Inch, Add	*72.89*	
		For 230 PSIG Heavy Duty, Add	*454.21*	
23 82 16 00-0130	EA	24" x 48" Hot Water Heating Coil, 2 Row Flanged Construction	2,432.39	387.12
		For 10 Fins Per Inch, Add	*33.16*	
		For 12 Fins Per Inch, Add	*82.89*	
		For 230 PSIG Heavy Duty, Add	*563.93*	
23 82 16 00-0131	EA	30" x 48" Hot Water Heating Coil, 2 Row Flanged Construction	2,814.73	478.20
		For 10 Fins Per Inch, Add	*37.16*	
		For 12 Fins Per Inch, Add	*92.90*	
		For 230 PSIG Heavy Duty, Add	*658.63*	
23 82 16 00-0132	EA	30" x 60" Hot Water Heating Coil, 2 Row Flanged Construction	3,019.76	580.69
		For 10 Fins Per Inch, Add	*37.16*	
		For 12 Fins Per Inch, Add	*92.90*	
		For 230 PSIG Heavy Duty, Add	*720.14*	
23 82 16 00-0133	EA	30" x 72" Hot Water Heating Coil, 2 Row Flanged Construction	3,413.48	678.27
		For 10 Fins Per Inch, Add	*41.16*	
		For 12 Fins Per Inch, Add	*102.90*	
		For 230 PSIG Heavy Duty, Add	*818.24*	
23 82 16 00-0134	EA	30" x 84" Hot Water Heating Coil, 2 Row Flanged Construction	4,184.75	788.07
		For 10 Fins Per Inch, Add	*52.17*	
		For 12 Fins Per Inch, Add	*130.43*	
		For 230 PSIG Heavy Duty, Add	*994.56*	
23 82 16 00-0135	EA	34" x 32" Hot Water Heating Coil, 2 Row Flanged Construction	1,806.26	340.03
		For 10 Fins Per Inch, Add	*22.53*	
		For 12 Fins Per Inch, Add	*56.31*	
		For 230 PSIG Heavy Duty, Add	*429.25*	
23 82 16 00-0136	EA	34" x 48" Hot Water Heating Coil, 2 Row Flanged Construction	2,711.10	510.82
		For 10 Fins Per Inch, Add	*33.79*	
		For 12 Fins Per Inch, Add	*84.47*	
		For 230 PSIG Heavy Duty, Add	*644.39*	
23 82 16 00-0137	EA	34" x 72" Hot Water Heating Coil, 2 Row Flanged Construction	4,074.38	770.18
		For 10 Fins Per Inch, Add	*50.68*	
		For 12 Fins Per Inch, Add	*126.70*	
		For 230 PSIG Heavy Duty, Add	*968.91*	
23 82 16 00-0138	EA	34" x 84" Hot Water Heating Coil, 2 Row Flanged Construction	4,755.75	899.65
		For 10 Fins Per Inch, Add	*59.13*	
		For 12 Fins Per Inch, Add	*147.82*	
		For 230 PSIG Heavy Duty, Add	*1,131.08*	
23 82 16 00-0139		**Steam Heating Coils** *(23 82 16)*		
		Note: Flanged construction.		
23 82 16 00-0140	EA	12" x 12" Steam Heating Coils, 1 Row Flanged Construction	952.36	76.45
		For 2 Row Coil, Add	*316.11*	
		For 4 Row Coil, Add	*827.26*	
23 82 16 00-0141	EA	12" x 24" Steam Heating Coils, 1 Row Flanged Construction	1,068.75	105.72
		For 2 Row Coil, Add	*362.87*	
		For 4 Row Coil, Add	*945.83*	
23 82 16 00-0142	EA	24" x 30" Steam Heating Coils, 1 Row Flanged Construction	1,435.86	189.49
		For 2 Row Coil, Add	*506.41*	
		For 4 Row Coil, Add	*1,311.34*	
23 82 16 00-0143	EA	24" x 48" Steam Heating Coils, 1 Row Flanged Construction	1,828.44	271.64
		For 2 Row Coil, Add	*656.97*	
		For 4 Row Coil, Add	*1,695.89*	
23 82 16 00-0144	EA	30" x 48" Steam Heating Coils, 1 Row Flanged Construction	2,051.22	325.31
		For 2 Row Coil, Add	*745.49*	
		For 4 Row Coil, Add	*1,920.75*	
23 82 16 00-0145	EA	30" x 60" Steam Heating Coils, 1 Row Flanged Construction	2,328.21	406.64
		For 2 Row Coil, Add	*861.12*	
		For 4 Row Coil, Add	*2,212.28*	
23 82 16 00-0146	EA	30" x 72" Steam Heating Coils, 1 Row Flanged Construction	2,561.48	451.37
		For 2 Row Coil, Add	*949.17*	
		For 4 Row Coil, Add	*2,437.75*	
23 82 16 00-0147	EA	30" x 84" Steam Heating Coils, 1 Row Flanged Construction	3,154.85	526.76
		For 2 Row Coil, Add	*1,157.15*	
		For 4 Row Coil, Add	*2,976.87*	
23 82 16 00-0148	EA	34" x 32" Steam Heating Coils, 1 Row Flanged Construction	1,362.13	227.39
		For 2 Row Coil, Add	*499.61*	
		For 4 Row Coil, Add	*1,285.29*	
23 82 16 00-0149	EA	34" x 48" Steam Heating Coils, 1 Row Flanged Construction	2,043.19	341.17
		For 2 Row Coil, Add	*749.41*	
		For 4 Row Coil, Add	*1,927.93*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 00-0150	EA	34" x 72" Steam Heating Coils, 1 Row Flanged Construction	3,063.05	510.82
		For 2 Row Coil, Add	*1,123.26*	
		For 4 Row Coil, Add	*2,889.78*	
23 82 16 00-0151	EA	34" x 84" Steam Heating Coils, 1 Row Flanged Construction	3,577.58	598.00
		For 2 Row Coil, Add	*1,312.47*	
		For 4 Row Coil, Add	*3,376.34*	

23 82 16 00-0152 Hot Water Preheat Coils For Multi-Zone Air Handling Units *(23 82 16)*

Note: 2 Row coils. Coils are sized by air handling unit capacity.

23 82 16 00-0153	EA	3,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	1,100.55	103.29
		For Units <16,500 CFM, Add	*178.93*	
23 82 16 00-0154	EA	4,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	1,397.82	102.47
		For Units <16,500 CFM, Add	*238.39*	
23 82 16 00-0155	EA	5,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	1,709.01	109.79
		For Units <16,500 CFM, Add	*297.84*	
23 82 16 00-0156	EA	6,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	1,982.79	119.55
		For Units <16,500 CFM, Add	*348.72*	
23 82 16 00-0157	EA	7,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	1,993.83	125.24
		For Units <16,500 CFM, Add	*348.72*	
23 82 16 00-0158	EA	9,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	2,406.10	131.75
		For Units <16,500 CFM, Add	*428.75*	
23 82 16 00-0159	EA	11,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	2,496.67	148.02
		For Units <16,500 CFM, Add	*440.19*	
23 82 16 00-0160	EA	13,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	2,761.55	165.90
		For Units <16,500 CFM, Add	*485.92*	
23 82 16 00-0161	EA	16,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	3,112.15	198.44
		For Units <16,500 CFM, Add	*543.09*	
23 82 16 00-0162	EA	19,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	3,389.76	208.20
		For Units >19,500 CFM, Add	*535.08*	
23 82 16 00-0163	EA	22,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	4,326.97	220.39
		For Units >19,500 CFM, Add	*699.72*	
23 82 16 00-0164	EA	27,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	5,518.80	301.72
		For Units >19,500 CFM, Add	*884.95*	
23 82 16 00-0165	EA	34,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	6,930.54	370.04
		For Units >19,500 CFM, Add	*1,114.41*	
23 82 16 00-0166	EA	40,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	8,057.88	387.12
		For Units >19,500 CFM, Add	*1,311.26*	
23 82 16 00-0167	EA	47,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	9,464.40	451.37
		For Units >19,500 CFM, Add	*1,540.94*	

23 82 16 00-0168 Standard Electric Slip-In Blast Coil Heater *(23 82 16)*

23 82 16 00-0169 Electric Slip-In Blast Coil Heater With Open Coil Element *(23 82 16 00-0168)*

23 82 16 00-0170	EA	1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	285.77	61.13
23 82 16 00-0171	EA	1 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	295.95	65.89
23 82 16 00-0172	EA	2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	307.97	72.24
23 82 16 00-0173	EA	3 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	312.02	74.62
23 82 16 00-0174	EA	4 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	322.40	79.39
23 82 16 00-0175	EA	5 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	334.36	85.73
23 82 16 00-0176	EA	6 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	383.30	96.05
23 82 16 00-0177	EA	7 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	392.99	100.82
23 82 16 00-0178	EA	8 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	400.92	103.99
23 82 16 00-0179	EA	9 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	412.53	110.34
23 82 16 00-0180	EA	10 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	448.88	116.69
23 82 16 00-0181	EA	12-1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	471.48	127.81
23 82 16 00-0182	EA	15 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	493.93	138.91
23 82 16 00-0183	EA	20 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	516.62	150.03
23 82 16 00-0184	EA	30 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	678.20	209.57
23 82 16 00-0185	EA	40 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,137.62	223.06
23 82 16 00-0186	EA	50 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,255.50	255.61
23 82 16 00-0187	EA	60 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,474.37	283.40
23 82 16 00-0188	EA	70 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,552.30	308.00
23 82 16 00-0189	EA	80 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,701.02	338.17
23 82 16 00-0190	EA	90 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	2,063.61	361.19
23 82 16 00-0191	EA	100 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	2,262.79	388.18
23 82 16 00-0192	EA	125 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	2,722.27	419.14
23 82 16 00-0193	EA	150 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	3,058.02	455.65

23 82 16 00-0194 Electric Slip-In Blast Coil Heater With Finned Tubular Element *(23 82 16 00-0168)*

23 82 16 00-0195	EA	1 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	713.39	87.32
23 82 16 00-0196	EA	2 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	745.45	95.26
23 82 16 00-0197	EA	3 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	762.15	95.26
23 82 16 00-0198	EA	4 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	796.61	104.78
23 82 16 00-0199	EA	5 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,075.46	104.78
23 82 16 00-0200	EA	6 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,102.18	104.78
23 82 16 00-0201	EA	8 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,119.83	116.69
23 82 16 00-0202	EA	9 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,141.87	130.98
23 82 16 00-0203	EA	10 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,156.90	130.98
23 82 16 00-0204	EA	15 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,343.89	150.03
23 82 16 00-0205	EA	20 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,604.37	150.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 00-0206	EA	30 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,747.36	174.64
23 82 16 00-0207	EA	40 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	2,363.50	174.64

23 82 19 Fan Coil Units *(23 82)*

23 82 19 00-0001 Ceiling Suspended Horizontal Fan Coil Units *(23 82 19)*

Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds.

23 82 19 00-0002 Horizontal Fan Coil Units With Electric Heating Coil *(23 82 19 00-0001)*

23 82 19 00-0003	EA	200 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	1,165.51	131.75
23 82 19 00-0004	EA	300 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	1,286.64	153.71
23 82 19 00-0005	EA	400 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	1,425.95	173.23
23 82 19 00-0006	EA	600 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	1,653.30	198.44
23 82 19 00-0007	EA	800 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	1,850.36	208.20
		For 2-Way Valve Instead Of 3-Way, Deduct	*-96.28*	
23 82 19 00-0008	EA	1,000 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	2,501.18	220.39
		For 2-Way Valve Instead Of 3-Way, Deduct	*-97.97*	
23 82 19 00-0009	EA	1,200 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	3,030.83	239.11
		For 2-Way Valve Instead Of 3-Way, Deduct	*-100.88*	

23 82 19 00-0010 Horizontal Fan Coil Units With Hot Water Heating Coil *(23 82 19 00-0001)*

23 82 19 00-0011	EA	200 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	659.93	131.75
		For 2-Way Valve Instead Of 3-Way, Deduct	*-48.12*	
23 82 19 00-0012	EA	300 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	801.68	153.71
		For 2-Way Valve Instead Of 3-Way, Deduct	*-50.35*	
23 82 19 00-0013	EA	400 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	948.85	173.23
		For 2-Way Valve Instead Of 3-Way, Deduct	*-52.30*	
23 82 19 00-0014	EA	600 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	1,771.10	198.44
		For 2-Way Valve Instead Of 3-Way, Deduct	*-54.84*	
23 82 19 00-0015	EA	800 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	1,987.79	209.01
		For 2-Way Valve Instead Of 3-Way, Deduct	*-96.28*	
23 82 19 00-0016	EA	1,000 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	2,697.53	220.39
		For 2-Way Valve Instead Of 3-Way, Deduct	*-97.97*	
23 82 19 00-0017	EA	1,200 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	3,403.87	239.11
		For 2-Way Valve Instead Of 3-Way, Deduct	*-100.88*	

23 82 19 00-0018 Floor Mounted Vertical Fan Coil Units *(23 82 19)*

Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds.

23 82 19 00-0019 Vertical Fan Coil Units With Electric Heating Coil *(23 82 19 00-0018)*

23 82 19 00-0020	EA	200 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	1,126.24	130.93
		For Fan Coil Units Without Cabinet, Deduct	*-142.70*	
		For Thru-Wall Sleeve, Add	*107.47*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-48.12*	
23 82 19 00-0021	EA	300 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	1,288.60	153.71
		For Fan Coil Units Without Cabinet, Deduct	*-162.60*	
		For Thru-Wall Sleeve, Add	*116.38*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-50.35*	
23 82 19 00-0022	EA	400 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	1,524.12	173.23
		For Fan Coil Units Without Cabinet, Deduct	*-194.01*	
		For Thru-Wall Sleeve, Add	*124.22*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-52.30*	
23 82 19 00-0023	EA	600 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	1,751.47	198.44
		For Fan Coil Units Without Cabinet, Deduct	*-223.05*	
		For Thru-Wall Sleeve, Add	*134.34*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-54.84*	
23 82 19 00-0024	EA	800 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	1,968.16	209.01
		For Fan Coil Units Without Cabinet, Deduct	*-253.52*	
		For Thru-Wall Sleeve, Add	*138.41*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-96.28*	
23 82 19 00-0025	EA	1,000 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	2,501.18	220.39
		For Fan Coil Units Without Cabinet, Deduct	*-331.22*	
		For Thru-Wall Sleeve, Add	*142.92*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-97.97*	
23 82 19 00-0026	EA	1,200 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	2,932.66	239.11
		For Fan Coil Units Without Cabinet, Deduct	*-392.06*	
		For Thru-Wall Sleeve, Add	*150.68*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-100.88*	

23 82 19 00-0027 Vertical Fan Coil Units With Hot Water Heating Coil *(23 82 19 00-0018)*

23 82 19 00-0028	EA	200 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	1,244.04	130.93
		For Fan Coil Units Without Cabinet, Deduct	*-160.37*	
		For Thru-Wall Sleeve, Add	*107.47*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-48.12*	
23 82 19 00-0029	EA	300 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	1,406.41	153.71
		For Fan Coil Units Without Cabinet, Deduct	*-180.27*	
		For Thru-Wall Sleeve, Add	*116.38*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-50.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 19 00-0030	EA	400 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	1,720.46	173.23
		For Fan Coil Units Without Cabinet, Deduct	*-223.46*	
		For Thru-Wall Sleeve, Add	*124.22*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-52.30*	
23 82 19 00-0031	EA	600 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	1,967.44	198.44
		For Fan Coil Units Without Cabinet, Deduct	*-255.44*	
		For Thru-Wall Sleeve, Add	*134.34*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-54.84*	
23 82 19 00-0032	EA	800 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	2,184.13	209.01
		For Fan Coil Units Without Cabinet, Deduct	*-285.91*	
		For Thru-Wall Sleeve, Add	*138.41*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-96.28*	
23 82 19 00-0033	EA	1,000 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	2,599.35	220.39
		For Fan Coil Units Without Cabinet, Deduct	*-345.94*	
		For Thru-Wall Sleeve, Add	*142.92*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-97.97*	
23 82 19 00-0034	EA	1,200 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	3,030.83	239.11
		For Fan Coil Units Without Cabinet, Deduct	*-406.78*	
		For Thru-Wall Sleeve, Add	*150.68*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-100.88*	

23 82 19 00-0035 Removal And Reinstallation Of Fan Coil Units *(23 82 19)*

Note: Includes storage and cleaning. Excludes supports.

23 82 19 00-0036	EA	Remove And Reinstall Fan Coil Unit Horizontal Or Vertical	345.78

23 82 29 Radiators *(23 82)*

23 82 29 00-0001 Demolish Cast Iron Radiators *(23 82 29)*

23 82 29 00-0002	LF	Demolish Cast Iron Radiator	24.38
23 82 29 00-0003	EA	Cap Radiator	33.92

23 82 29 00-0004 Cast Iron Radiator *(23 82 29)*

23 82 29 00-0005	EA	19" High Cast Iron Radiator Section, Free Standing	35.07
		For Wall Support Bracket, Add	*24.97*
23 82 29 00-0006	EA	25" High Cast Iron Radiator Section, Free Standing	49.34
		For Wall Support Bracket, Add	*26.02*
23 82 29 00-0007	EA	30" High Cast Iron Radiator Section, Free Standing	57.29
23 82 29 00-0008	EA	36" High Cast Iron Radiator Section, Free Standing	71.92
23 82 29 00-0009	EA	20" High Cast Iron Radiator Section, Recessed With Grille	48.84

23 82 29 00-0010 Radiator Covers *(23 82 29)*

Note: Includes field cutouts, vent grilles, and insulation backing. To calculate quantity, measure the surface area of front, top and sides.

23 82 29 00-0011	SF	Stainless Steel Radiator Cover	68.62	4.31
23 82 29 00-0012	SF	Galvanized Steel Radiator Cover Note: Primed and painted.	43.62	4.31

23 82 29 00-0013 Radiator Shields *(23 82 29)*

23 82 29 00-0014	SF	Stainless Steel Radiator Shield	453.04	4.31
23 82 29 00-0015	SF	Galvanized Steel Radiator Shield Note: Primed and painted.	32.04	4.31

23 82 29 00-0016 Remove And Reinstall Radiator *(23 82 29)*

Note: Includes storage and cleaning.

23 82 29 00-0017	LF	Remove And Reinstall Cast Iron Radiator	61.00
23 82 29 00-0018	LF	Remove And Reinstall Electric Radiator	40.66
23 82 29 00-0019	LF	Remove And Reinstall Hot Water Radiator	48.80

23 82 33 Convectors *(23 82)*

23 82 33 00-0001 Multi-Fin Convectors For Two-Pipe System *(23 82 33)*

Note: Complete with 6-1/4" deep cabinet enclosure.

23 82 33 00-0002 20" High Multi-Fin Convectors For Two-Pipe System *(23 82 33 00-0001)*

23 82 33 00-0003	EA	20" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	357.76	89.46
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*46.67*	
		For Snap-On Inlet Grille, Add	*37.11*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*77.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0004	EA	20" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	419.46	97.60
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*50.36*	
		For Snap-On Inlet Grille, Add	*39.57*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*95.06*	
23 82 33 00-0005	EA	20" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	483.45	115.48
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*58.45*	
		For Snap-On Inlet Grille, Add	*44.97*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*108.02*	
23 82 33 00-0006	EA	20" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	577.83	134.19
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*66.99*	
		For Snap-On Inlet Grille, Add	*50.66*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*131.09*	
23 82 33 00-0007	EA	20" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	689.32	161.03
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*79.18*	
		For Snap-On Inlet Grille, Add	*58.79*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*155.89*	
23 82 33 00-0008	EA	20" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	774.43	177.13
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*86.49*	
		For Snap-On Inlet Grille, Add	*63.66*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*177.14*	
23 82 33 00-0009	EA	20" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	902.19	214.70
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*103.56*	
		For Snap-On Inlet Grille, Add	*75.04*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*201.94*	
23 82 33 00-0010	EA	20" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	983.27	228.13
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*109.67*	
		For Snap-On Inlet Grille, Add	*79.11*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*223.20*	
23 82 33 00-0011	EA	20" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,074.51	254.96
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*121.85*	
		For Snap-On Inlet Grille, Add	*87.24*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*240.92*	
23 82 33 00-0012	EA	20" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,186.06	281.80
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*134.06*	
		For Snap-On Inlet Grille, Add	*95.38*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*265.71*	
23 82 33 00-0013	EA	20" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,277.31	308.64
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*146.25*	
		For Snap-On Inlet Grille, Add	*103.50*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*283.43*	

23 82 33 00-0014 26" High Multi-Fin Convectors For Two-Pipe System *(23 82 33 00-0001)*

23 82 33 00-0015	EA	26" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	423.39	117.68
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*58.95*	
		For Snap-On Inlet Grille, Add	*45.30*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*86.42*	
23 82 33 00-0016	EA	26" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	496.75	136.72
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*67.49*	
		For Snap-On Inlet Grille, Add	*50.99*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*102.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0017	EA	26" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	599.75	160.55
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*78.19*	
		For Snap-On Inlet Grille, Add	*58.12*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*125.70*	
23 82 33 00-0018	EA	26" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	700.66	179.00
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*86.47*	
		For Snap-On Inlet Grille, Add	*63.65*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*151.35*	
23 82 33 00-0019	EA	26" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	815.89	201.29
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*96.50*	
		For Snap-On Inlet Grille, Add	*70.33*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*179.98*	
23 82 33 00-0020	EA	26" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	911.23	218.04
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*104.06*	
		For Snap-On Inlet Grille, Add	*75.38*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*204.52*	
23 82 33 00-0021	EA	26" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,039.22	248.45
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*117.92*	
		For Snap-On Inlet Grille, Add	*84.61*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*233.16*	
23 82 33 00-0022	EA	26" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,131.84	263.66
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*124.67*	
		For Snap-On Inlet Grille, Add	*89.11*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*257.70*	
23 82 33 00-0023	EA	26" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,225.48	287.49
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*135.23*	
		For Snap-On Inlet Grille, Add	*96.15*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*278.15*	
23 82 33 00-0024	EA	26" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,342.85	310.84
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*145.90*	
		For Snap-On Inlet Grille, Add	*103.27*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*306.78*	
23 82 33 00-0025	EA	26" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,433.29	332.22
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*155.50*	
		For Snap-On Inlet Grille, Add	*109.67*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*327.24*	

23 82 33 00-0026 32" High Multi-Fin Convectors For Two-Pipe System *(23 82 33 00-0001)*

23 82 33 00-0027	EA	32" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	488.35	143.14
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*71.03*	
		For Snap-On Inlet Grille, Add	*53.35*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*95.06*	
23 82 33 00-0028	EA	32" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	583.31	173.23
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*84.70*	
		For Snap-On Inlet Grille, Add	*62.47*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*112.34*	
23 82 33 00-0029	EA	32" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	701.71	202.51
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*98.00*	
		For Snap-On Inlet Grille, Add	*71.33*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*138.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0030	EA	32" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	809.07	220.07
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*106.03*	
		For Snap-On Inlet Grille, Add	*76.68*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*166.48*	
23 82 33 00-0031	EA	32" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	925.63	237.80
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*114.00*	
		For Snap-On Inlet Grille, Add	*82.00*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*197.97*	
23 82 33 00-0032	EA	32" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,028.96	254.96
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*121.85*	
		For Snap-On Inlet Grille, Add	*87.24*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*224.97*	
23 82 33 00-0033	EA	32" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,151.64	276.43
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*131.66*	
		For Snap-On Inlet Grille, Add	*93.77*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*256.47*	
23 82 33 00-0034	EA	32" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,255.77	294.16
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*139.76*	
		For Snap-On Inlet Grille, Add	*99.17*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*283.47*	
23 82 33 00-0035	EA	32" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,349.33	314.00
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*148.55*	
		For Snap-On Inlet Grille, Add	*105.03*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*305.96*	
23 82 33 00-0036	EA	32" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,468.55	332.80
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*157.32*	
		For Snap-On Inlet Grille, Add	*110.88*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*337.46*	
23 82 33 00-0037	EA	32" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,556.81	348.90
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*164.51*	
		For Snap-On Inlet Grille, Add	*115.67*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*359.95*	

23 82 33 00-0038 Electric Convectors, Floor Standing Units *(23 82 33)*

23 82 33 00-0039 4" Deep Electric Convectors *(23 82 33 00-0038)*

23 82 33 00-0040	EA	38" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units	438.05	85.34
23 82 33 00-0041	EA	50" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units	484.72	85.34

23 82 33 00-0042 6" Deep Electric Convectors *(23 82 33 00-0038)*

23 82 33 00-0043	EA	38" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units	506.26	85.34
23 82 33 00-0044	EA	50" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units	578.06	85.34
23 82 33 00-0045	EA	62" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units	640.88	85.34
23 82 33 00-0046	EA	74" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units	739.61	85.34

23 82 36 Finned-Tube Radiation Heaters *(23 82)*

23 82 36 00-0001 Electric Baseboard Heating *(23 82 36)*
Note: Includes 24 gauge steel enclosure and heating element

23 82 36 00-0002 Electric Wall Heating 10" Enclosure *(23 82 36 00-0001)*

23 82 36 00-0003	LF	Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element <250 Watts/FT	101.81	47.41
23 82 36 00-0004	LF	Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element >= 250 Watts/FT	103.97	47.41

23 82 36 00-0005 Electric Wall Heating 16" Enclosure *(23 82 36 00-0001)*

23 82 36 00-0006	LF	Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element <350 Watts/FT	123.35	47.41
23 82 36 00-0007	LF	Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element >= 350 Watts/FT	128.74	47.41

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 36 00-0008		Finned Tube Baseboard Units *(23 82 36)*		
		Note: Complete with steel enclosure. Single heating element.		
23 82 36 00-0009		3/4" IPS Steel Tube With Steel Fins *(23 82 36 00-0008)*		
23 82 36 00-0010	EA	4' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	239.86	31.72
		For 90 Degree Corner, Add	*40.69*	
		For Valve Enclosure, Add	*40.69*	
		For Filler Piece, Add	*33.69*	
		For End Cap, Add	*27.95*	
		For Copper Tube With Aluminum Fins, Add	*4.75*	
23 82 36 00-0011	EA	6' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	314.46	47.98
		For 90 Degree Corner, Add	*46.97*	
		For Valve Enclosure, Add	*46.97*	
		For Filler Piece, Add	*39.97*	
		For End Cap, Add	*32.03*	
		For Copper Tube With Aluminum Fins, Add	*7.13*	
23 82 36 00-0012	EA	8' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	376.14	63.43
		For 90 Degree Corner, Add	*50.66*	
		For Valve Enclosure, Add	*50.66*	
		For Filler Piece, Add	*43.66*	
		For End Cap, Add	*34.43*	
		For Copper Tube With Aluminum Fins, Add	*9.51*	
23 82 36 00-0013	EA	10' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	468.64	88.81
		For 90 Degree Corner, Add	*60.75*	
		For Valve Enclosure, Add	*60.75*	
		For Filler Piece, Add	*53.75*	
		For End Cap, Add	*40.99*	
		For Copper Tube With Aluminum Fins, Add	*11.82*	
23 82 36 00-0014	EA	12' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	560.80	106.70
		For 90 Degree Corner, Add	*70.99*	
		For Valve Enclosure, Add	*70.99*	
		For Filler Piece, Add	*63.99*	
		For End Cap, Add	*47.65*	
		For Copper Tube With Aluminum Fins, Add	*14.07*	
23 82 36 00-0015	EA	14' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	632.30	113.86
		For 90 Degree Corner, Add	*75.06*	
		For Valve Enclosure, Add	*75.06*	
		For Filler Piece, Add	*68.06*	
		For End Cap, Add	*50.29*	
		For Copper Tube With Aluminum Fins, Add	*16.88*	
23 82 36 00-0016	EA	16' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	697.17	125.82
		For 90 Degree Corner, Add	*81.90*	
		For Valve Enclosure, Add	*81.90*	
		For Filler Piece, Add	*74.90*	
		For End Cap, Add	*54.73*	
		For Copper Tube With Aluminum Fins, Add	*18.57*	
23 82 36 00-0017	EA	18' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	795.50	142.33
		For 90 Degree Corner, Add	*91.33*	
		For Valve Enclosure, Add	*91.33*	
		For Filler Piece, Add	*84.33*	
		For End Cap, Add	*60.86*	
		For Copper Tube With Aluminum Fins, Add	*21.39*	
23 82 36 00-0018	EA	20' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	877.13	156.56
		For 90 Degree Corner, Add	*99.47*	
		For Valve Enclosure, Add	*99.47*	
		For Filler Piece, Add	*92.47*	
		For End Cap, Add	*66.15*	
		For Copper Tube With Aluminum Fins, Add	*23.64*	
23 82 36 00-0019		1" IPS Steel Tube With Steel Fins *(23 82 36 00-0008)*		
23 82 36 00-0020	EA	4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	276.90	31.72
		For 90 Degree Corner, Add	*40.69*	
		For Valve Enclosure, Add	*40.69*	
		For Filler Piece, Add	*33.69*	
		For End Cap, Add	*27.95*	
		For Copper Tube With Aluminum Fins, Add	*6.79*	
23 82 36 00-0021	EA	6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	370.01	47.98
		For 90 Degree Corner, Add	*46.97*	
		For Valve Enclosure, Add	*46.97*	
		For Filler Piece, Add	*39.97*	
		For End Cap, Add	*32.03*	
		For Copper Tube With Aluminum Fins, Add	*10.18*	
23 82 36 00-0022	EA	8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	450.22	63.43
		For 90 Degree Corner, Add	*50.66*	
		For Valve Enclosure, Add	*50.66*	
		For Filler Piece, Add	*43.66*	
		For End Cap, Add	*34.43*	
		For Copper Tube With Aluminum Fins, Add	*13.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 36 00-0023	EA	10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	560.83	88.81
		For 90 Degree Corner, Add	*60.77*	
		For Valve Enclosure, Add	*60.77*	
		For Filler Piece, Add	*53.77*	
		For End Cap, Add	*41.00*	
		For Copper Tube With Aluminum Fins, Add	*16.89*	
23 82 36 00-0024	EA	12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	670.30	106.70
		For 90 Degree Corner, Add	*70.97*	
		For Valve Enclosure, Add	*70.97*	
		For Filler Piece, Add	*63.97*	
		For End Cap, Add	*47.63*	
		For Copper Tube With Aluminum Fins, Add	*20.10*	
23 82 36 00-0025	EA	14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	763.88	113.86
		For 90 Degree Corner, Add	*75.06*	
		For Valve Enclosure, Add	*75.06*	
		For Filler Piece, Add	*68.06*	
		For End Cap, Add	*50.29*	
		For Copper Tube With Aluminum Fins, Add	*24.12*	
23 82 36 00-0026	EA	16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	841.65	125.82
		For 90 Degree Corner, Add	*81.84*	
		For Valve Enclosure, Add	*81.84*	
		For Filler Piece, Add	*74.84*	
		For End Cap, Add	*54.70*	
		For Copper Tube With Aluminum Fins, Add	*26.53*	
23 82 36 00-0027	EA	18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	962.16	142.33
		For 90 Degree Corner, Add	*91.33*	
		For Valve Enclosure, Add	*91.33*	
		For Filler Piece, Add	*84.33*	
		For End Cap, Add	*60.86*	
		For Copper Tube With Aluminum Fins, Add	*30.55*	
23 82 36 00-0028	EA	20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,060.86	156.56
		For 90 Degree Corner, Add	*99.37*	
		For Valve Enclosure, Add	*99.37*	
		For Filler Piece, Add	*92.37*	
		For End Cap, Add	*66.09*	
		For Copper Tube With Aluminum Fins, Add	*33.77*	
23 82 36 00-0029		1-1/4" IPS Steel Tube With Steel Fins *(23 82 36 00-0008)*		
23 82 36 00-0030	EA	4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	313.93	31.72
		For 90 Degree Corner, Add	*40.69*	
		For Valve Enclosure, Add	*40.69*	
		For Filler Piece, Add	*33.69*	
		For End Cap, Add	*27.95*	
		For Copper Tube With Aluminum Fins, Add	*8.83*	
23 82 36 00-0031	EA	6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	425.57	47.98
		For 90 Degree Corner, Add	*46.97*	
		For Valve Enclosure, Add	*46.97*	
		For Filler Piece, Add	*39.97*	
		For End Cap, Add	*32.03*	
		For Copper Tube With Aluminum Fins, Add	*13.24*	
23 82 36 00-0032	EA	8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	524.29	63.43
		For 90 Degree Corner, Add	*50.66*	
		For Valve Enclosure, Add	*50.66*	
		For Filler Piece, Add	*43.66*	
		For End Cap, Add	*34.43*	
		For Copper Tube With Aluminum Fins, Add	*17.65*	
23 82 36 00-0033	EA	10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	652.93	88.81
		For 90 Degree Corner, Add	*60.77*	
		For Valve Enclosure, Add	*60.77*	
		For Filler Piece, Add	*53.77*	
		For End Cap, Add	*41.00*	
		For Copper Tube With Aluminum Fins, Add	*21.95*	
23 82 36 00-0034	EA	12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	779.95	106.70
		For 90 Degree Corner, Add	*70.97*	
		For Valve Enclosure, Add	*70.97*	
		For Filler Piece, Add	*63.97*	
		For End Cap, Add	*47.63*	
		For Copper Tube With Aluminum Fins, Add	*26.13*	
23 82 36 00-0035	EA	14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	895.45	113.86
		For 90 Degree Corner, Add	*75.06*	
		For Valve Enclosure, Add	*75.06*	
		For Filler Piece, Add	*68.06*	
		For End Cap, Add	*50.29*	
		For Copper Tube With Aluminum Fins, Add	*31.36*	
23 82 36 00-0036	EA	16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	986.37	125.82
		For 90 Degree Corner, Add	*81.84*	
		For Valve Enclosure, Add	*81.84*	
		For Filler Piece, Add	*74.84*	
		For End Cap, Add	*54.70*	
		For Copper Tube With Aluminum Fins, Add	*34.49*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 36 00-0037	EA	18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,128.82	142.33
		For 90 Degree Corner, Add	*91.33*	
		For Valve Enclosure, Add	*91.33*	
		For Filler Piece, Add	*84.33*	
		For End Cap, Add	*60.86*	
		For Copper Tube With Aluminum Fins, Add	*39.72*	
23 82 36 00-0038	EA	20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,245.06	156.56
		For 90 Degree Corner, Add	*99.37*	
		For Valve Enclosure, Add	*99.37*	
		For Filler Piece, Add	*92.37*	
		For End Cap, Add	*66.09*	
		For Copper Tube With Aluminum Fins, Add	*43.90*	

23 82 39 Unit Heaters *(23 82)*

23 82 39 13 Cabinet Unit Heaters *(23 82 39)*

23 82 39 13-0001 Electric Cabinet Unit Heaters *(23 82 39 13)*

Note: Can be mounted on the ceiling, floor or wall. Includes built-in thermostat. 208, 240/208, 277, or 480 Volt.

23 82 39 13-0002 Electric Cabinet Unit Heaters, 35" Cabinet Length *(23 82 39 13-0001)*

23 82 39 13-0003	EA	2 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,177.54	107.75
23 82 39 13-0004	EA	3 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,194.76	107.75
23 82 39 13-0005	EA	4 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,211.98	107.75
23 82 39 13-0006	EA	5 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,229.19	107.75
23 82 39 13-0007	EA	6 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,246.41	107.75
23 82 39 13-0008	EA	7 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,263.63	107.75
23 82 39 13-0009	EA	8 KW, 250 CFM, 35" Electric Cabinet Unit Heater	2,281.54	107.75
23 82 39 13-0010	EA	For Ceiling Installation of 35" Cabinet Unit Heater, Add	143.96	71.55

23 82 39 13-0011 Electric Cabinet Unit Heaters, 45" Cabinet Length *(23 82 39 13-0001)*

23 82 39 13-0012	EA	4 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,313.61	129.30
23 82 39 13-0013	EA	6 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,348.05	129.30
23 82 39 13-0014	EA	8 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,382.48	129.30
23 82 39 13-0015	EA	10 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,416.92	129.30
23 82 39 13-0016	EA	12 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,451.35	129.30
23 82 39 13-0017	EA	14 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,485.79	129.30
23 82 39 13-0018	EA	16 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,520.22	129.30
23 82 39 13-0019	EA	For Ceiling Installation of 45" Cabinet Unit Heater, Add	172.40	86.20

23 82 39 13-0020 Electric Cabinet Unit Heaters, 58" Cabinet Length *(23 82 39 13-0001)*

23 82 39 13-0021	EA	6 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,904.62	172.40
23 82 39 13-0022	EA	8 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,939.05	172.40
23 82 39 13-0023	EA	10 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,973.49	172.40
23 82 39 13-0024	EA	12 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,007.91	172.40
23 82 39 13-0025	EA	14 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,042.35	172.40
23 82 39 13-0026	EA	16 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,076.78	172.40
23 82 39 13-0027	EA	For Ceiling Installation of 58" Cabinet Unit Heater, Add	215.50	107.75

23 82 39 13-0028 Electric Cabinet Unit Heaters, 68" Cabinet Length *(23 82 39 13-0001)*

23 82 39 13-0029	EA	6 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,426.76	215.50
23 82 39 13-0030	EA	9 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,478.41	215.50
23 82 39 13-0031	EA	12 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,530.05	215.50
23 82 39 13-0032	EA	15 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,581.70	215.50
23 82 39 13-0033	EA	18 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,633.36	215.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 13-0034	EA	21 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,685.01	215.50
23 82 39 13-0035	EA	24 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,736.66	215.50
23 82 39 13-0036	EA	For Ceiling Installation of 68" Cabinet Unit Heater, Add	287.91	143.96
23 82 39 13-0037		Electric Cabinet Unit Heaters, 78" Cabinet Length *(23 82 39 13-0001)*		
23 82 39 13-0038	EA	8 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,017.75	258.60
23 82 39 13-0039	EA	12 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,086.62	258.60
23 82 39 13-0040	EA	16 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,155.49	258.60
23 82 39 13-0041	EA	20 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,224.36	258.60
23 82 39 13-0042	EA	24 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,293.22	258.60
23 82 39 13-0043	EA	28 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,362.09	258.60
23 82 39 13-0044	EA	32 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,430.96	258.60
23 82 39 13-0045	EA	For Ceiling Installation of 78" Cabinet Unit Heater, Add	344.80	172.40
23 82 39 13-0046		Removal and Reinstallation of Cabinet Unit Heaters *(23 82 39 13)* Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 82 39 13-0047	EA	Remove And Reinstall Up To 58" Cabinet Unit Heater, Floor or Wall	223.65	
23 82 39 13-0048	EA	Remove And Reinstall >58" Cabinet Unit Heater, Floor or Wall	386.32	
23 82 39 13-0049	EA	Remove And Reinstall Up To 58" Cabinet Unit Heater, Ceiling	461.13	
23 82 39 13-0050	EA	Remove And Reinstall >58" Cabinet Unit Heater, Ceiling	623.78	
23 82 39 16		**Propeller Unit Heaters** *(23 82 39)*		
23 82 39 16-0001		Hydronic Unit Heaters Using Steam Or Hot Water *(23 82 39 16)* Note: For use with either steam or heating hot water. Heating output capacities for both are listed.		
23 82 39 16-0002		Horizontal Hydronic Unit Heaters, Fan Propelled, 115 Volt *(23 82 39 16-0001)*		
23 82 39 16-0003	EA	18 MBH Steam, 13 MBH Hot Water, 395 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	595.32	81.33
23 82 39 16-0004	EA	24 MBH Steam, 17.4 MBH Hot Water, 450 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	596.50	81.33
23 82 39 16-0005	EA	36 MBH Steam, 26.1 MBH Hot Water, 550 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	664.34	81.33
23 82 39 16-0006	EA	48 MBH Steam, 34.8 MBH Hot Water, 750 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	816.28	121.99
23 82 39 16-0007	EA	60 MBH Steam, 43.6 MBH Hot Water, 900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	850.99	121.99
23 82 39 16-0008	EA	72 MBH Steam, 52.3 MBH Hot Water, 1,100 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	902.67	121.99
23 82 39 16-0009	EA	84 MBH Steam, 61 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,085.74	162.65
23 82 39 16-0010	EA	96 MBH Steam, 69.7 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,189.86	162.65
23 82 39 16-0011	EA	108 MBH Steam, 78.4 MBH Hot Water, 2,800 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,256.12	162.65
23 82 39 16-0012	EA	120 MBH Steam, 87.1 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,309.76	162.65
23 82 39 16-0013	EA	132 MBH Steam, 95.8 MBH Hot Water, 2.000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,481.02	203.32
23 82 39 16-0014	EA	144 MBH Steam, 104 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,499.17	203.32
23 82 39 16-0015	EA	156 MBH Steam, 113 MBH Hot Water, 2,600 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,516.53	203.32
23 82 39 16-0016	EA	180 MBH Steam, 118 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,619.10	243.98
23 82 39 16-0017	EA	204 MBH Steam, 148 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,754.77	243.98
23 82 39 16-0018	EA	240 MBH Steam, 174 MBH Hot Water, 3,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,002.67	284.65
23 82 39 16-0019	EA	280 MBH Steam, 209.1 MBH Hot Water, 4,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,494.10	284.65
23 82 39 16-0020	EA	300 MBH Steam, 230 MBH Hot Water, 5,000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,655.82	325.31
23 82 39 16-0021	EA	360 MBH Steam, 261.3 MBH Hot Water, 5,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,160.67	325.31
23 82 39 16-0022	EA	Fan Guard For Fan Propelled Steam Unit Heater, Horizontal Note: Required only for unit heaters located within 7' of a working surface.	160.94	20.34
23 82 39 16-0023		Vertical Hydronic Unit Heaters, Fan Propelled, 115 Volt *(23 82 39 16-0001)*		
23 82 39 16-0024	EA	41.3 MBH Steam, 22.7 MBH Hot Water, 595 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	862.83	81.33
23 82 39 16-0025	EA	65.5 MBH Steam, 39.6 MBH Hot Water, 989 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	900.29	121.99
23 82 39 16-0026	EA	80.6 MBH Steam, 48.4 MBH Hot Water, 1,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	968.53	121.99
23 82 39 16-0027	EA	101.8 MBH Steam, 68.3 MBH Hot Water, 1,490 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	1,192.24	162.65
23 82 39 16-0028	EA	124.4 MBH Steam, 83.7 MBH Hot Water, 1,790 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	1,259.28	162.65
23 82 39 16-0029	EA	152 MBH Steam, 105.2 MBH Hot Water, 2,220 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	1,497.62	243.98
23 82 39 16-0030	EA	173 MBH Steam, 118.6 MBH Hot Water, 2,620 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	1,600.16	243.98
23 82 39 16-0031	EA	210.2 MBH Steam, 139.7 MBH Hot Water, 3,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	1,686.15	243.98
23 82 39 16-0032	EA	249.8 MBH Steam, 180.1 MBH Hot Water, 4,180 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	1,885.13	284.65
23 82 39 16-0033	EA	283.8 MBH Steam, 205.4 MBH Hot Water, 4,430 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	1,986.90	284.65
23 82 39 16-0034	EA	333.4 MBH Steam, 242.9 MBH Hot Water, 5,210 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	2,192.77	284.65
23 82 39 16-0035	EA	386 MBH Steam, 280.8 MBH Hot Water, 6,140 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	2,543.09	365.97
23 82 39 16-0036	EA	496 MBH Steam, 368.1 MBH Hot Water, 8,020 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	3,227.79	365.97
23 82 39 16-0037	EA	585 MBH Steam, 431.1 MBH Hot Water, 9,450 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	3,437.62	365.97
23 82 39 16-0038	EA	705 MBH Steam, 519.4 MBH Hot Water, 11,000 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	3,911.78	406.64
23 82 39 16-0039	EA	Fan Guard For Fan Propelled Steam Unit Heater, Vertical Note: Required only for unit heaters located within 7' of a working surface.	219.32	20.34

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 16-0040		**Removal and Reinstallation of Propeller Unit Heaters** *(23 82 39 16)* Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 82 39 16-0041	EA	Remove And Reinstall Up To 120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical	487.96	
23 82 39 16-0042	EA	Remove And Reinstall >120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical	650.63	
23 82 39 19		**Wall and Ceiling Unit Heaters** *(23 82 39)*		
23 82 39 19-0001		**Electric Unit Heaters** *(23 82 39 19)* Note: May be mounted both vertically and horizontally.		
23 82 39 19-0002	EA	3 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	632.00	86.20
23 82 39 19-0003	EA	5 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	632.00	86.20
23 82 39 19-0004	EA	7.5 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	848.12	107.75
23 82 39 19-0005	EA	10 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	972.47	129.30
23 82 39 19-0006	EA	15 KW, 910 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	1,419.77	172.40
23 82 39 19-0007	EA	20 KW, 1,320 CFM Electric Unit Heater, 208, 240/208, 277, or 480 Volt	2,069.85	215.50
23 82 39 19-0008	EA	30 KW, 2,100 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt	2,858.81	258.60
23 82 39 19-0009	EA	50 KW, 3,000 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt	4,182.53	301.70
23 82 39 19-0010	EA	3 KW, 350 CFM Electric Unit Heater - 480 Volt	781.41	86.20
23 82 39 19-0011	EA	5 KW, 350 CFM Electric Unit Heater - 480 Volt	752.24	86.20
23 82 39 19-0012	EA	7.5 KW, 650 CFM Electric Unit Heater - 480 Volt	890.82	107.75
23 82 39 19-0013	EA	10 KW, 650 CFM Electric Unit Heater - 480 Volt	1,028.02	129.30
23 82 39 19-0014	EA	15 KW, 910 CFM Electric Unit Heater - 480 Volt	1,530.88	172.40
23 82 39 19-0015		**Electric Ceiling and Wall Heaters** *(23 82 39 19)* Note: The "/" between wattages indicates two or three speed operation. 120, 240/208 or 277 Volt.		
23 82 39 19-0016	EA	1,000, 1,500 Or 2,000 Watt Recessed Electric Wall Heater	282.48	49.14
23 82 39 19-0017	EA	1,500/750 Or 2,000/1,000 Watt Recessed Electric Wall Heater	319.94	60.34
23 82 39 19-0018	EA	3,000, 3,600, 4,000 Or 4,800 Watt Recessed Electric Wall Heater	515.75	60.34
23 82 39 19-0019	EA	1,000, 1,500 Or 2,000 Watt Surface Mounted Electric Wall Heater	320.55	53.88
23 82 39 19-0020	EA	1,500/750 Or 2,000/1,000 Watt Surface Mounted Electric Wall Heater	390.50	60.34
23 82 39 19-0021	EA	3,000, 3,600, 4,000 Or 4,800 Watt Surface Mounted Electric Wall Heater	586.31	60.34
23 82 39 19-0022	EA	1,000, 1,500 Or 2,000/1,500 Watt Recessed Electric Ceiling Heater	421.58	71.11
23 82 39 19-0023	EA	3,000, 4,000 Or 4,000/3,000 Watt Recessed Electric Ceiling Heater	784.10	75.42
23 82 39 19-0024	EA	4,800/3,600 Watt Recessed Electric Ceiling Heater	882.04	75.42
23 82 39 19-0025	EA	4,000/3,000/2,000 Watt Recessed Or Surface Mounted Electric Ceiling Heater	1,023.62	79.73
23 82 39 19-0026	EA	5,000/3,800/2,500 Watt Recessed Or Surface Mounted Electric Ceiling Heater	1,109.61	79.73
23 82 39 19-0027	EA	1,000, 1,500 Or 2,000/1,500 Watt Surface Mounted Electric Ceiling Heater	472.45	71.11
23 82 39 19-0028	EA	3,000, 4,000 Or 4,000/3,000 Watt Surface Mounted Electric Ceiling Heater	864.23	75.42
23 82 39 19-0029	EA	4,800/3,600 Watt Surface Mounted Electric Ceiling Heater	962.17	75.42
23 82 39 19-0030		**Removal And Reinstallation Of Electric Unit Heaters** *(23 82 39 19)* Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 82 39 19-0031	EA	Remove And Reinstall Up To 15KW Electric Unit Heater	292.80	
23 82 39 19-0032	EA	Remove And Reinstall >15 KW Electric Unit Heater	601.90	
23 83		**Radiant Heating Units** *(23 80)*		
23 83 13		**Radiant-Heating Electric Cables** *(23 83)*		
23 83 13 00-0001		**Self Regulating Heating Cable** *(23 83 13)*		
23 83 13 00-0002	LF	3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, @ 50° F.	5.42	0.57
		For TPE Covering, Add	*1.07*	
23 83 13 00-0003	LF	5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, @ 50° F.	5.95	0.57
		For TPE Covering, Add	*1.20*	
23 83 13 00-0004	LF	8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, @ 50° F.	6.41	0.57
		For TPE Covering, Add	*1.32*	
23 83 13 00-0005	LF	3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, @ 50° F.	5.58	0.57
		For TPE Covering, Add	*1.11*	
23 83 13 00-0006	LF	5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, @ 50° F	6.09	0.57
		For TPE Covering, Add	*1.24*	
23 83 13 00-0007	LF	8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, @ 50° F.	6.62	0.57
		For TPE Covering, Add	*1.37*	
23 83 13 00-0008	EA	Power Connection Kit Note: Includes pre-set thermostat.	185.79	45.34
23 83 13 00-0009	EA	Splice And Tee Kit	185.79	45.34
23 83 13 00-0010	EA	End Seal Kit	111.60	8.24
23 83 13 00-0011	EA	Ambient Air Sensing Thermostat	301.75	20.61
23 83 13 00-0012	EA	Line Sensing Thermostat Note: Mechanical or electronic.	331.35	20.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 84 Humidity Control Equipment *(23 80)*

23 84 13 Humidifiers *(23 84)*

23 84 13 00-0001 Steam Type Pneumatically Controlled *(23 84 13)*

Note: For duct or air handling installation standard unit with integral operator distribution manifold strainer trap and pneumatic modulating valve. Excludes humidistat and piping.

23 84 13 00-0002	EA	3-191 LB/Hour Steam Humidifier, 24" Manifold, Pneumatic Controls	1,130.98	214.70
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*350.14*	
23 84 13 00-0003	EA	3-191 LB/Hour Steam Humidifier, 48" Manifold, Pneumatic Controls	1,130.98	214.70
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*350.14*	
23 84 13 00-0004	EA	65-334 LB/Hour Steam Humidifier, 36" Manifold, Pneumatic Controls	1,589.04	214.70
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*487.56*	
23 84 13 00-0005	EA	65-334 LB/Hour Steam Humidifier, 72" Manifold, Pneumatic Controls	1,670.37	268.39
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*514.67*	
23 84 13 00-0006	EA	100-690 LB/Hour Steam Humidifier, 48" Manifold, Pneumatic Controls	2,342.20	214.70
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*713.50*	
23 84 13 00-0007	EA	100-690 LB/Hour Steam Humidifier, 84" Manifold, Pneumatic Controls	2,423.53	268.39
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*740.61*	
23 84 13 00-0008	EA	220-2,000 LB/Hour Steam Humidifier, 72" Manifold, Pneumatic Controls	3,600.35	268.39
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*1,093.66*	
23 84 13 00-0009	EA	220-2,000 LB/Hour Steam Humidifier, 144" Manifold, Pneumatic Controls	3,702.01	335.89
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*1,127.55*	

23 84 13 00-0010 Electric Steam Humidifiers, Self-Steam Producing *(23 84 13)*

Note: Electronic modulating duct or air handling unit installation 208V-108V with 12"-72" manifolds included.

23 84 13 00-0011	EA	1-96 LB/Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold	6,624.88	335.07
23 84 13 00-0012	EA	20-168 LB/Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold	8,365.85	335.89

23 84 13 00-0013 Residential Humidifiers *(23 84 13)*

Note: Includes solenoid valve and flow through water supply.

23 84 13 00-0014	EA	Duct Or Furnace Mounted Humidifier, Residential Type	343.70	40.66

23 84 16 Mechanical Dehumidification Units *(23 84)*

23 84 16 16 Indoor, Mechanical Dehumidification Units *(23 84 16)*

23 84 16 16-0001 Mechanical Dehumidification Units *(23 84 16 16)*

Note: Sized by moisture removal per 24 hours.

23 84 16 16-0002	EA	65 Pint Per Day, 160 CFM, 8" Duct Connection, Refrigerant Dehumidifier	1,191.01	43.10
23 84 16 16-0003	EA	90 Pint Per Day, 235 CFM, 10"/6" Duct Connection, Refrigerant Dehumidifier	1,495.55	50.28
23 84 16 16-0004	EA	120 Pint Per Day, 350 CFM, 10"/6" Duct Connection, Refrigerant Dehumidifier	1,997.35	57.47

23 84 16 33 Portable Dehumidifiers *(23 84 16)*

23 84 16 33-0001 Self Contained Free Standing Unit *(23 84 16 33)*

Note: Sized by moisture removal per 24 hours.

23 84 16 33-0002	EA	12 Pint/24 Hour Dehumidifier	467.23	93.11
23 84 16 33-0003	EA	15 Pint/24 Hour Dehumidifier	503.44	93.11
23 84 16 33-0004	EA	20 Pint/24 Hour Dehumidifier	568.62	93.11
23 84 16 33-0005	EA	30 Pint/24 Hour Dehumidifier	648.28	93.11
23 84 16 33-0006	EA	40 Pint/24 Hour Dehumidifier	684.49	93.11
23 84 16 33-0007	EA	65 Pint/24 Hour Dehumidifier	754.82	93.11

END OF SECTION 23

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 Electrical

Note: Termination costs are included with all electrical equipment, panel boards, fixtures and devices. Terminations are not included with patch panels.

26 01 Operation and Maintenance of Electrical Systems *(26)*

26 01 10 Operation And Maintenance Of Medium-Voltage Electrical Distribution *(26 01)*

26 01 10 00-0001 Retrofit Distribution Enclosures *(26 01 10)*

Note: Includes removal of equipment housing, punch or drill hole for window, touch-up area, and reinstallation of equipment housing.

26 01 10 00-0002	EA	2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-2C)	285.54	
		Note: 2mm thick, aluminum frame, hinged cover.		
		For Up To 20, Add	*58.69*	
		For > 20 To 50, Add	*46.95*	
		For > 50 To 100, Add	*23.47*	
26 01 10 00-0003	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-3C)	369.68	
		Note: 2mm thick, aluminum frame, hinged cover.		
		For Up To 20, Add	*79.72*	
		For > 20 To 50, Add	*63.78*	
		For > 50 To 100, Add	*31.89*	
26 01 10 00-0004	EA	4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-4C)	554.77	
		Note: 4mm thick, aluminum frame, hinged cover.		
		For Up To 20, Add	*125.99*	
		For > 20 To 50, Add	*100.79*	
		For > 50 To 100, Add	*50.40*	
26 01 10 00-0005	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 1 Rated (Fluke CLKTO)	283.14	
		Note: 2mm thick, aluminum frame, twist cover.		
		For Up To 20, Add	*58.09*	
		For > 20 To 50, Add	*46.47*	
		For > 50 To 100, Add	*23.23*	
26 01 10 00-0006	EA	2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-2)	284.62	
		Note: 2mm thick, aluminum frame, twist cover.		
		For Up To 20, Add	*58.46*	
		For > 20 To 50, Add	*46.76*	
		For > 50 To 100, Add	*23.38*	
26 01 10 00-0007	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-3)	362.82	
		Note: 2mm thick, aluminum frame, twist cover.		
		For Up To 20, Add	*78.01*	
		For > 20 To 50, Add	*62.40*	
		For > 50 To 100, Add	*31.20*	
26 01 10 00-0008	EA	4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-4)	539.56	
		Note: 4mm thick, aluminum frame, twist cover.		
		For Up To 20, Add	*122.19*	
		For > 20 To 50, Add	*97.75*	
		For > 50 To 100, Add	*48.88*	
26 01 10 00-0009	EA	2" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPFR)	224.96	
		Note: 0.25mm thick, composite frame, metal grille reinforced polymer.		
		For Up To 20, Add	*43.54*	
		For > 20 To 50, Add	*34.83*	
		For > 50 To 100, Add	*17.42*	
26 01 10 00-0010	EA	3" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPFR)	315.83	
		Note: 0.25mm thick, composite frame, metal grille reinforced polymer.		
		For Up To 20, Add	*66.26*	
		For > 20 To 50, Add	*53.01*	
		For > 50 To 100, Add	*26.50*	
26 01 10 00-0011	EA	4" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPFR)	448.34	
		Note: 0.25mm thick, composite frame, metal grille reinforced polymer.		
		For Up To 20, Add	*99.39*	
		For > 20 To 50, Add	*79.51*	
		For > 50 To 100, Add	*39.75*	
26 01 10 00-0012	EA	2" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	409.02	
		Note: 4mm thick, aluminum frame, magnetic cover.		
		For Up To 20, Add	*89.56*	
		For > 20 To 50, Add	*71.64*	
		For > 50 To 100, Add	*35.82*	
26 01 10 00-0013	EA	3" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	561.05	
		Note: 4mm thick, aluminum frame, magnetic cover.		
		For Up To 20, Add	*127.56*	
		For > 20 To 50, Add	*102.05*	
		For > 50 To 100, Add	*51.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 10 00-0014	EA	4" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	1,025.39	
		Note: 4mm thick, aluminum frame, magnetic cover.		
		For Up To 20, Add	*243.65*	
		For > 20 To 50, Add	*194.92*	
		For > 50 To 100, Add	*97.46*	
26 01 10 00-0015	EA	3" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	469.45	
		Note: 4mm thick, aluminum frame, magnetic cover.		
		For Up To 20, Add	*104.66*	
		For > 20 To 50, Add	*83.73*	
		For > 50 To 100, Add	*41.87*	
26 01 10 00-0016	EA	4" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	689.58	
		Note: 4mm thick, aluminum frame, magnetic cover.		
		For Up To 20, Add	*159.70*	
		For > 20 To 50, Add	*127.76*	
		For > 50 To 100, Add	*63.88*	

26 01 20 Operation and Maintenance of Low-Voltage Electrical Distribution *(26 01)*

26 01 20 00-0001 Lock Out/Tag Out Devices *(26 01 20)*

Note: Includes the installation and removal of identifying markers and securing equipment.

26 01 20 00-0002	EA	Lock Out/Tag Out Local Disconnect	20.61
26 01 20 00-0003	EA	Lock Out/Tag Out Breaker Or Motor Starter	30.80
26 01 20 00-0004	EA	Lock Out/Tag Out Tags	2.56

26 01 20 00-0005 Existing Circuit Tracing *(26 01 20)*

26 01 20 00-0006	EA	Motors, Diconnects And Other Single Source Devices, Existing Circuit Tracing Per Device	17.15
26 01 20 00-0007	EA	Lighting, Existing Circuit Tracing Per Circuit	17.15

26 01 30 Operation And Maintenance Of Facility Electrical Power Generating And Storing Equipment *(26 01)*

26 01 30 00-0001 Emergency Generator Permits *(26 01 30)*

26 01 30 00-0002 Air Pollution Control Board *(26 01 30 00-0001)*

26 01 30 00-0003	EA	APCD Permit To Construct And Operate Emergency Generator	2,443.70

26 01 50 Operation and Maintenance of Lighting *(26 01)*

26 01 50 51 Luminaire Relamping ***(26 01 50)***

26 01 50 51-0001 Replace Lamps In Existing Fixtures *(26 01 50 51)*

Note: Includes removal of existing lamp from fixture and installation of new lamp. Excludes disposal of hazardous lamps. See CSI section 26 01 50 51-0139 for disposal of hazardous lamps.

26 01 50 51-0002 Halogen Lamps *(26 01 50 51-0001)*

26 01 50 51-0003	EA	300 Watt, T3, Tungsten Halogen Lamp	38.80
26 01 50 51-0004	EA	500 Watt, T3, Tungsten Halogen Lamp	51.98
26 01 50 51-0005	EA	1,000 Watt, T3, Tungsten Halogen Lamp	80.33
26 01 50 51-0006	EA	60 Watt, PAR38, Halogen Lamp	15.10
26 01 50 51-0007	EA	75 Watt, PAR38, Halogen Lamp	15.10
26 01 50 51-0008	EA	90 Watt, PAR38, Halogen Lamp	13.93
26 01 50 51-0009	EA	100 Watt, PAR38, Halogen Lamp	13.93
26 01 50 51-0010	EA	60-67 Watt, PAR38, Halogen IR Reflective Lamp	23.92
26 01 50 51-0011	EA	70 Watt, PAR38, Halogen IR Reflective Lamp	22.74
26 01 50 51-0012	EA	90 Watt, PAR38, Halogen IR Reflective Lamp	28.61
26 01 50 51-0013	EA	100 Watt, PAR38, Halogen IR Reflective Lamp	28.93

26 01 50 51-0014 Incandescent Lamps *(26 01 50 51-0001)*

26 01 50 51-0015	EA	100 Watt, Frosted, Interior Incandescent Lamp	2.83
		For Multiple Lamps In Fixture, Deduct	*-0.71*
26 01 50 51-0016	EA	150 Watt, Frosted, Interior Incandescent Lamp	4.34
		For Multiple Lamps In Fixture, Deduct	*-0.71*
26 01 50 51-0017	EA	200 Watt, Frosted, Interior Incandescent Lamp	6.02
		For Multiple Lamps In Fixture, Deduct	*-0.71*
26 01 50 51-0018	EA	300 Watt, PS25, Interior Incandescent Lamp	8.12
		For Multiple Lamps In Fixture, Deduct	*-0.71*
26 01 50 51-0019	EA	60 Watt, G25, Clear, Interior Incandescent Lamp	5.29
		For Multiple Lamps In Fixture, Deduct	*-0.71*
26 01 50 51-0020	EA	75 Watt, R20, Interior Incandescent Lamp	9.59
		For Multiple Lamps In Fixture, Deduct	*-0.84*
26 01 50 51-0021	EA	75 Watt, PAR38, Exterior Incandescent Lamp	12.54
		For Multiple Lamps In Fixture, Deduct	*-0.84*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0022	EA	100 Watt, PAR38, Exterior Incandescent Lamp	11.37	
		For Multiple Lamps In Fixture, Deduct	*-0.84*	
26 01 50 51-0023	EA	150 Watt, PAR38, Exterior Incandescent Lamp	22.53	
		For Multiple Lamps In Fixture, Deduct	*-0.84*	
26 01 50 51-0024	EA	250 Watt, PAR38, Exterior Incandescent Lamp	50.00	
		For Multiple Lamps In Fixture, Deduct	*-0.98*	
26 01 50 51-0025	EA	300 Watt, PAR56, Exterior Incandescent Lamp	58.19	
		For Multiple Lamps In Fixture, Deduct	*-0.98*	
26 01 50 51-0026		Exit Light Lamps *(26 01 50 51-0001)*		
26 01 50 51-0027	EA	Convert Exit Light Lamps To Red LED Lamps	53.08	
		For Green LED Lamps, Add	*25.00*	
26 01 50 51-0028	EA	Fluorescent Lamp For Exit Light	15.91	
		For Multiple Lamps In Fixture, Deduct	*-2.81*	
26 01 50 51-0029	EA	Lamp Replacement For Emergency Lights On Exit Sign	30.99	
		For Multiple Lamps In Fixture, Deduct	*-1.41*	
26 01 50 51-0030		Fluorescent Lamps *(26 01 50 51-0001)*		
26 01 50 51-0031	EA	18", 15 Watt, T8 Fluorescent Lamp	4.95	
		For Multiple Lamps In Fixture, Deduct	*-1.13*	
26 01 50 51-0032	EA	2', 17 Watt, T8 Fluorescent Lamp	6.27	
		For Multiple Lamps In Fixture, Deduct	*-1.13*	
26 01 50 51-0033	EA	3', 25 Watt, T8 Fluorescent Lamp	7.23	
		For Multiple Lamps In Fixture, Deduct	*-1.27*	
26 01 50 51-0034	EA	4', 32 Watt, T8 Fluorescent Lamp	7.16	
		For Multiple Lamps In Fixture, Deduct	*-1.27*	
26 01 50 51-0035	EA	4', 30 Watt, T8 Fluorescent Lamp	9.51	
		For Multiple Lamps In Fixture, Deduct	*-1.27*	
26 01 50 51-0036	EA	4', 28 Watt, T8 Fluorescent Lamp	8.12	
		For Multiple Lamps In Fixture, Deduct	*-1.27*	
26 01 50 51-0037	EA	4', 25 Watt, T8 Fluorescent Lamp	8.07	
		For Multiple Lamps In Fixture, Deduct	*-1.27*	
26 01 50 51-0038	EA	4', 44 Watt, T8HO Fluorescent Lamp	14.04	
		For Multiple Lamps In Fixture, Deduct	*-1.27*	
26 01 50 51-0039	EA	8', 59 Watt, T8 Fluorescent Lamp	10.29	
		For Multiple Lamps In Fixture, Deduct	*-1.27*	
26 01 50 51-0040	EA	18", 15 Watt, T12 Fluorescent Lamp	8.28	
		For Multiple Lamps In Fixture, Deduct	*-1.13*	
26 01 50 51-0041	EA	2', 20 Watt, T12 Fluorescent Lamp	5.89	
		For Multiple Lamps In Fixture, Deduct	*-1.13*	
26 01 50 51-0042	EA	3', 30 Watt, T12 Fluorescent Lamp	6.61	
		For Multiple Lamps In Fixture, Deduct	*-1.27*	
26 01 50 51-0043	EA	4', 34 Watt, T12 Fluorescent Lamp	6.65	
		For Multiple Lamps In Fixture, Deduct	*-1.27*	
26 01 50 51-0044	EA	4', 40 Watt, T12 Fluorescent Lamp	6.48	
		For Multiple Lamps In Fixture, Deduct	*-1.27*	
26 01 50 51-0045	EA	8', 60 Watt, T12 Fluorescent Lamp	10.60	
		For Multiple Lamps In Fixture, Deduct	*-1.27*	
26 01 50 51-0046	EA	8', 75 Watt, T12 Fluorescent Lamp	8.68	
		For Multiple Lamps In Fixture, Deduct	*-1.27*	
26 01 50 51-0047	EA	8', 95 Watt, Instant Start T12 Fluorescent Lamp	15.96	
26 01 50 51-0048	EA	6" Diameter, 20 Watt, Circular T9 Fluorescent Lamp	8.40	
		For Multiple Lamps In Fixture, Deduct	*-1.13*	
26 01 50 51-0049	EA	8" Diameter, 22 Watt, Circular T9 Fluorescent Lamp	6.63	
		For Multiple Lamps In Fixture, Deduct	*-1.13*	
26 01 50 51-0050	EA	12" Diameter, 32 Watt, Circular T9 Fluorescent Lamp	6.36	
		For Multiple Lamps In Fixture, Deduct	*-1.13*	
26 01 50 51-0051	EA	16" Diameter, 40 Watt, Circular T9 Fluorescent Lamp	7.20	
		For Multiple Lamps In Fixture, Deduct	*-1.13*	
26 01 50 51-0052	EA	32 Watt, Rapid Start, U-Shaped T8 Fluorescent Lamp	12.52	
		For Multiple Lamps In Fixture, Deduct	*-1.41*	
26 01 50 51-0053	EA	40 Watt, Rapid Start, U-Shaped T12 Fluorescent Lamp	12.00	
		For Multiple Lamps In Fixture, Deduct	*-1.41*	
26 01 50 51-0054	EA	6", 4 Watt, T5 Fluorescent Lamp	5.66	
		For Multiple Lamps In Fixture, Deduct	*-1.13*	
26 01 50 51-0055	EA	9", 6 Watt, T5 Fluorescent Lamp	5.55	
		For Multiple Lamps In Fixture, Deduct	*-1.13*	
26 01 50 51-0056	EA	12", 8 Watt, T5 Fluorescent Lamp	5.77	
		For Multiple Lamps In Fixture, Deduct	*-1.13*	
26 01 50 51-0057	EA	21", 13 Watt, T5 Fluorescent Lamp	6.11	
		For Multiple Lamps In Fixture, Deduct	*-1.13*	
26 01 50 51-0058	EA	24", 14 Watt, T5 Fluorescent Lamp	7.28	
		For Multiple Lamps In Fixture, Deduct	*-1.13*	
26 01 50 51-0059	EA	34", 21 Watt, T5 Fluorescent Lamp	7.85	
		For Multiple Lamps In Fixture, Deduct	*-1.27*	
26 01 50 51-0060	EA	46", 28 Watt, T5 Fluorescent Lamp	7.55	
		For Multiple Lamps In Fixture, Deduct	*-1.27*	
26 01 50 51-0061	EA	46", 54 Watt T5HO Fluorescent Lamp	8.43	
		For Multiple Lamps In Fixture, Deduct	*-1.27*	
26 01 50 51-0062	EA	46", 54 Watt T5 Fluorescent Lamp	9.68	
26 01 50 51-0063	EA	5-13 Watt, 2-Pin Compact Fluorescent Lamp	4.74	
		For Multiple Lamps In Fixture, Deduct	*-0.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0064	EA	9-26 Watt, 4-Pin Compact Fluorescent Lamp	5.35	
		For Multiple Lamps In Fixture, Deduct	*-0.71*	
26 01 50 51-0065	EA	27-55 Watt, 4-Pin Compact Fluorescent Lamp	12.04	
		For Multiple Lamps In Fixture, Deduct	*-0.71*	
26 01 50 51-0066	EA	Compact Fluorescent 13 Watt, 4-Pin Lamps CF13DD/E/827, Dulux	15.40	
26 01 50 51-0067	EA	Compact Fluorescent 18 Watt, 4-Pin Lamps CF18DD/E/827, Dulux	15.40	
26 01 50 51-0068	EA	32 Watt 2D (DoubleD) Fluorescent Lamp, 4-Pin	31.02	
26 01 50 51-0069	EA	26 Watt (1,600 Lumens) 4-pin Quad Tube PL Lamp	10.62	
26 01 50 51-0070	EA	9-27 Watt Spiral Compact Fluorescent Lamps, Screw-In	4.13	
26 01 50 51-0071	EA	29-32 Watt Spiral Compact Fluorescent Lamps, Screw-In	4.13	
26 01 50 51-0072	EA	33-42 Watt Spiral Compact Fluorescent Lamps, Screw-In	21.13	
26 01 50 51-0073	EA	43-65 Watt Spiral Compact Fluorescent Lamps, Screw-In	23.14	
26 01 50 51-0074	EA	85 Watt Spiral Compact Fluorescent Lamps, Screw-In	44.96	
26 01 50 51-0075	EA	105 Watt Spiral Compact Fluorescent Lamps, Screw-In	54.05	
26 01 50 51-0076	EA	11 Watt Compact Fluorescent Reflector Lamps, Screw-In	19.44	
26 01 50 51-0077	EA	15 Watt Compact Fluorescent Reflector Lamps, Screw-In	20.33	
26 01 50 51-0078	EA	20-28 Watt Compact Fluorescent Reflector Lamps, Screw-In	23.66	

26 01 50 51-0079 Metal Halide Lamps *(26 01 50 51-0001)*

26 01 50 51-0080	EA	50 Watt, Pulse Start Metal Halide Lamp	20.22	
		For Pulse Start Lamps, Add	*1.30*	
26 01 50 51-0081	EA	70 Watt, Pulse Start Metal Halide Lamp	23.99	
		For Pulse Start Lamps, Add	*1.68*	
26 01 50 51-0082	EA	100 Watt, Pulse Start Metal Halide Lamp	25.00	
		For Pulse Start Lamps, Add	*1.78*	
26 01 50 51-0083	EA	150 Watt, Pulse Start Metal Halide Lamp	26.62	
		For Pulse Start Lamps, Add	*1.94*	
26 01 50 51-0084	EA	175 Watt, Probe Start Metal Halide Lamp	22.67	
26 01 50 51-0085	EA	175 Watt, Pulse Start Metal Halide Lamp	31.46	
26 01 50 51-0086	EA	250 Watt, Probe Start Metal Halide Lamp	20.35	
26 01 50 51-0087	EA	250 Watt, Pulse Start Metal Halide Lamp	28.64	
26 01 50 51-0088	EA	400 Watt, Probe Start Metal Halide Lamp	22.92	
26 01 50 51-0089	EA	400 Watt, Pulse Start Metal Halide Lamp	28.89	
26 01 50 51-0090	EA	1,000 Watt, Probe Start Metal Halide Lamp	29.87	
26 01 50 51-0091	EA	1,000 Watt, Pulse Start Metal Halide Lamp	33.24	
26 01 50 51-0092	EA	1,500 Watt, Probe Start Metal Halide Lamp	37.58	

26 01 50 51-0093 High Pressure Sodium Lamps *(26 01 50 51-0001)*

26 01 50 51-0094	EA	35 Watt, High Pressure Sodium Lamp	19.48	
		For Enclosed And Gasket Light Fixtures, Add	*1.08*	
26 01 50 51-0095	EA	50 Watt, High Pressure Sodium Lamp	19.48	
		For Enclosed And Gasket Light Fixtures, Add	*1.08*	
26 01 50 51-0096	EA	70 Watt, High Pressure Sodium Lamp	19.79	
		For Enclosed And Gasket Light Fixtures, Add	*1.08*	
26 01 50 51-0097	EA	100 Watt, High Pressure Sodium Lamp	20.45	
		For Enclosed And Gasket Light Fixtures, Add	*1.08*	
26 01 50 51-0098	EA	150 Watt, High Pressure Sodium Lamp	21.02	
		For Enclosed And Gasket Light Fixtures, Add	*1.08*	
26 01 50 51-0099	EA	250 Watt, High Pressure Sodium Lamp	19.60	
		For Enclosed And Gasket Light Fixtures, Add	*1.08*	
26 01 50 51-0100	EA	400 Watt, High Pressure Sodium Lamp	21.60	
		For Enclosed And Gasket Light Fixtures, Add	*1.08*	
26 01 50 51-0101	EA	1,000 Watt, High Pressure Sodium Lamp	49.50	

26 01 50 51-0102 Low Pressure Sodium Lamps *(26 01 50 51-0001)*

26 01 50 51-0103	EA	35 Watt, Low Pressure Sodium Lamp	49.40	
26 01 50 51-0104	EA	55 Watt, Low Pressure Sodium Lamp	55.53	
26 01 50 51-0105	EA	70 Watt, Low Pressure Sodium Lamp	56.91	
26 01 50 51-0106	EA	90 Watt, Low Pressure Sodium Lamp	58.29	
26 01 50 51-0107	EA	135 Watt, Low Pressure Sodium Lamp	63.81	
26 01 50 51-0108	EA	180 Watt, Low Pressure Sodium Lamp	88.66	

26 01 50 51-0109 LED Lamps *(26 01 50 51-0001)*

26 01 50 51-0110	EA	3 Watt (25 Watt Incandescent Equivalent), Candelabra Base, CA10, Dimmable LED Lamp (Energy Star)	12.54	
26 01 50 51-0111	EA	8 Watt (40 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	22.01	
26 01 50 51-0112	EA	11 Watt (60 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	29.23	
26 01 50 51-0113	EA	13.5 Watt (60 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	24.06	
26 01 50 51-0114	EA	8 Watt (40 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star)	25.23	
26 01 50 51-0115	EA	17 Watt (75 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star)	42.53	
26 01 50 51-0116	EA	8 Watt (50 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star)	28.50	
26 01 50 51-0117	EA	11 Watt (65 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star)	35.11	
26 01 50 51-0118	EA	14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star)	41.27	
26 01 50 51-0119	EA	11 Watt (65 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	37.61	
26 01 50 51-0120	EA	14.5 Watt (75 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	38.81	
26 01 50 51-0121	EA	14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	42.00	
26 01 50 51-0122	EA	18 Watt (90 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	43.57	
26 01 50 51-0123	EA	7 Watt (45 Watt Halogen Equivalent), Medium Base, PAR20, Dimmable LED Lamp (Energy Star)	25.84	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0124	EA	12 Watt (60 Watt Halogen Equivalent), Medium Base, Short Neck Par30, Dimmable LED Lamp (Energy Star)	37.96	
26 01 50 51-0125	EA	16.3 Watt (65 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	39.13	
26 01 50 51-0126	EA	15.6 Watt (70 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	39.13	
26 01 50 51-0127	EA	12 Watt (50 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	26.19	
26 01 50 51-0128	EA	12 Watt (50 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star)	39.72	
26 01 50 51-0129	EA	15 Watt (75 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star)	35.60	
26 01 50 51-0130	EA	18 Watt (90 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star)	41.49	
26 01 50 51-0131	EA	15 Watt (75 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	39.72	
26 01 50 51-0132	EA	18 Watt (90 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	41.49	
26 01 50 51-0133	EA	19 Watt (120 Watt Halogen Equivalent), Medium Base, Par38, Dimmable LED Lamp (Energy Star)	44.08	
26 01 50 51-0134	EA	24 Watt (120 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	42.66	
26 01 50 51-0135	EA	4 Watt (20 Watt Halogen Equivalent), GU5.3 Base, MR16, LED Lamp (Energy Star)	20.93	
26 01 50 51-0136	EA	6 Watt (20 Watt Halogen Equivalent), GU5.3 Base, MR16, Dimmable LED Lamp (Energy Star)	25.46	
26 01 50 51-0137	EA	6 Watt (30 Watt Halogen Equivalent), GU10 Base, MR16, Dimmable LED Lamp (Energy Star)	28.50	
26 01 50 51-0138	EA	8 Watt (50 Watt Halogen Equivalent), GU5.3 Base, MR16, Dimmable LED Lamp (Energy Star)	36.27	

26 01 50 51-0139 Recycle Hazardous Lamps *(26 01 50 51)*

Note: Includes containers, shipping costs and recycling fees. Excludes lamp removal. See CSI section 01 22 23 00-0001 for work over 14' to add appropriate aerial lift.

26 01 50 51-0140	EA	Recycle 2' Length Linear Fluorescent Lamps	0.23
26 01 50 51-0141	EA	Recycle 3' Length Linear Fluorescent Lamps	0.35
26 01 50 51-0142	EA	Recycle 4' Length Linear Fluorescent Lamps	0.47
26 01 50 51-0143	EA	Recycle 6' Length Linear Fluorescent Lamps	0.70
26 01 50 51-0144	EA	Recycle 8' Length Linear Fluorescent Lamps	0.94
26 01 50 51-0145	EA	Recycle Compact Fluorescent Lamps	0.42
26 01 50 51-0146	EA	Recycle U-Shaped Or Circular Fluorescent Lamps	0.42
26 01 50 51-0147	EA	Recycle High Intensity Discharge (HID) Lamps	1.46

26 01 50 52 Ballasts And Accessories *(26 01 50)*

26 01 50 52-0001 Owner Supplied Ballasts *(26 01 50 52)*

26 01 50 52-0002	EA	Install Owner Supplied, 1 Lamp Fluorescent Ballast	8.52	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.56*	
26 01 50 52-0003	EA	Install Owner Supplied, 2 Lamp Fluorescent Ballast	10.66	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.20*	
26 01 50 52-0004	EA	Install Owner Supplied, 3 Lamp Fluorescent Ballast	12.36	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 01 50 52-0005	EA	Install Owner Supplied, 4 Lamp Fluorescent Ballast	13.22	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.97*	
26 01 50 52-0006	EA	Install Owner Supplied, 1 Lamp High Intensity Discharge (HID) Ballast	14.92	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	
26 01 50 52-0007	EA	Install Owner Supplied, 2 Lamp High Intensity Discharge (HID) Ballast	15.78	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.73*	

26 01 50 52-0008 High Intensity Discharge (HID) Ballasts *(26 01 50 52)*

26 01 50 52-0009 Magnetic High Intensity Discharge (HID) Ballasts *(26 01 50 52-0008)*

26 01 50 52-0010 Core And Coil High Intensity Discharge (HID) Ballasts *(26 01 50 52-0009)*

26 01 50 52-0011 Metal Halide, Core And Coil High Intensity Discharge (HID) Ballasts *(26 01 50 52-0010)*

26 01 50 52-0012	EA	1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	88.52	10.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	
26 01 50 52-0013	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	90.90	10.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	
26 01 50 52-0014	EA	1 Lamp, 250 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	90.90	10.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	
26 01 50 52-0015	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	80.20	10.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	
26 01 50 52-0016	EA	1 Lamp, 400 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	80.20	10.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	
26 01 50 52-0017	EA	1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	129.53	10.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	
26 01 50 52-0018	EA	1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	129.53	10.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	
26 01 50 52-0019	EA	1 Lamp, 1,500 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	169.53	10.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	
26 01 50 52-0020	EA	1 Lamp, 1,500 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	189.93	10.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	

26 01 50 52-0021 High Pressure Sodium, Core And Coil High Intensity Discharge (HID) Ballasts *(26 01 50 52-0010)*

26 01 50 52-0022	EA	1 Lamp, 50 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	79.11	10.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	
26 01 50 52-0023	EA	1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	84.43	10.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	
26 01 50 52-0024	EA	1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	82.14	10.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0025	EA	1 Lamp, 150 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	98.13	10.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	
26 01 50 52-0026	EA	1 Lamp, 150 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	95.85	10.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	
26 01 50 52-0027	EA	1 Lamp, 250 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	110.69	10.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	
26 01 50 52-0028	EA	1 Lamp, 250 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	110.69	10.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	
26 01 50 52-0029	EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	135.38	10.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	
26 01 50 52-0030	EA	1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	135.38	10.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	
26 01 50 52-0031	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	222.00	10.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	
26 01 50 52-0032	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	222.00	10.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	
26 01 50 52-0033		**Mounting Brackets For Core And Coil High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0010)*		
26 01 50 52-0034	EA	Single Mounting Bracket For Core And Coil Type	7.30	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.28*	
26 01 50 52-0035	EA	Double Mounting Bracket For Core And Coil Type	12.52	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.92*	
26 01 50 52-0036		**F-Can High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0009)*		
26 01 50 52-0037		**Metal Halide, F-Can High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0036)*		
26 01 50 52-0038	EA	1 Lamp, 70 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	114.73	10.66
		For Pulse Start Ballast, Add	*9.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	
26 01 50 52-0039	EA	1 Lamp, 100 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	121.33	10.66
		For Pulse Start Ballast, Add	*10.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	
26 01 50 52-0040	EA	1 Lamp, 175 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	109.73	10.66
		For Pulse Start Ballast, Add	*9.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	
26 01 50 52-0041	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	128.80	10.66
		For Pulse Start Ballast, Add	*11.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	
26 01 50 52-0042	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	182.22	10.66
		For Pulse Start Ballast, Add	*16.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	
26 01 50 52-0043		**High Pressure Sodium, F-Can High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0036)*		
26 01 50 52-0044	EA	1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	139.75	10.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	
26 01 50 52-0045	EA	1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	150.04	10.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	
26 01 50 52-0046		**Postline High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0009)*		
26 01 50 52-0047		**Metal Halide, Postline High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0046)*		
26 01 50 52-0048	EA	1 Lamp, 50 Watt Metal Halide, 120 Volt, Postline High Intensity Discharge (HID) Ballast	238.41	10.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	
26 01 50 52-0049		**High Pressure Sodium, Postline High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0046)*		
26 01 50 52-0050	EA	1 Lamp, 70 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast	386.01	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.66*	
26 01 50 52-0051	EA	1 Lamp, 100 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast	429.88	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.66*	
26 01 50 52-0052	EA	1 Lamp, 150 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast	414.70	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.66*	
26 01 50 52-0053		**Indoor Enclosed High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0009)*		
26 01 50 52-0054		**Metal Halide, Indoor Enclosed High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0053)*		
26 01 50 52-0055	EA	1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	295.56	10.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	
26 01 50 52-0056	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	336.64	10.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	
26 01 50 52-0057	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	447.43	10.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	
26 01 50 52-0058	EA	1 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	445.04	10.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	
26 01 50 52-0059	EA	2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	626.55	11.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.73*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0060	EA	2 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	626.55	11.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.73*	
26 01 50 52-0061	EA	1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	428.74	10.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	
26 01 50 52-0062	EA	1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	505.95	10.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	

26 01 50 52-0063 High Pressure Sodium, Indoor Enclosed High Intensity Discharge (HID) Ballasts *(26 01 50 52-0053)*

26 01 50 52-0064	EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	559.05	10.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	
26 01 50 52-0065	EA	1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	531.84	10.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	
26 01 50 52-0066	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	686.12	10.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	
26 01 50 52-0067	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	686.12	10.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	

26 01 50 52-0068 Outdoor Weatherproof High Intensity Discharge (HID) Ballasts *(26 01 50 52-0009)*

26 01 50 52-0069 Metal Halide, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts *(26 01 50 52-0068)*

26 01 50 52-0070	EA	1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	333.20	10.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	
26 01 50 52-0071	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	360.62	10.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	
26 01 50 52-0072	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	357.92	10.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	
26 01 50 52-0073	EA	1 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	376.29	10.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	
26 01 50 52-0074	EA	2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	602.59	11.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.73*	
26 01 50 52-0075	EA	2 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	742.86	11.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.73*	
26 01 50 52-0076	EA	1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	562.24	10.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	
26 01 50 52-0077	EA	1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	511.09	10.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	

26 01 50 52-0078 High Pressure Sodium, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts *(26 01 50 52-0068)*

26 01 50 52-0079	EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	432.69	10.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	
26 01 50 52-0080	EA	1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	467.28	10.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	
26 01 50 52-0081	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	702.09	10.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	
26 01 50 52-0082	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	602.88	10.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	

26 01 50 52-0083 Electronic High Intensity Discharge (HID) Ballasts *(26 01 50 52-0008)*

26 01 50 52-0084 Electronic Low Frequency High Intensity Discharge (HID) Ballasts *(26 01 50 52-0083)*

26 01 50 52-0085	EA	1 Lamp, 70 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	127.88	10.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	
26 01 50 52-0086	EA	1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	127.88	10.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	
26 01 50 52-0087	EA	1 Lamp, 150 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	145.22	10.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	
26 01 50 52-0088	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	388.12	10.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	
26 01 50 52-0089	EA	1 Lamp, 300 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	388.12	10.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	
26 01 50 52-0090	EA	1 Lamp, 320 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	388.12	10.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	
26 01 50 52-0091	EA	1 Lamp, 350 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	388.12	10.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	
26 01 50 52-0092	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	388.12	10.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	

26 01 50 52-0093 Retrofit Lighting Fixtures *(26 01 50 52)*

26 01 50 52-0094 Retrofit Existing (T12) Fluorescent Fixtures *(26 01 50 52-0093)*

Note: Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 02 84 16 00-0008 for leaking ballast disposal, 26 01 50 51-0139 for hazardous lamp recycling.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0095		Retrofit Existing (T12) Strip Style Fluorescent Fixtures Without Reflector *(26 01 50 52-0094)* Note: Includes ballast, white reflective ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 52-0096	EA	Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate One 4' (T8) Lamp	58.15	
		For Specular Ballast Cover, Add	*5.86*	
26 01 50 52-0097	EA	Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps	62.67	
		For Specular Ballast Cover, Add	*6.76*	
26 01 50 52-0098	EA	Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps	83.32	
		For Specular Ballast Cover, Add	*10.89*	
26 01 50 52-0099	EA	Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Four 4' (T8) Lamps	95.61	
		For Specular Ballast Cover, Add	*13.35*	
26 01 50 52-0100		Retrofit Existing (T12) Strip Style Fluorescent Fixtures With Reflector *(26 01 50 52-0094)* Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 52-0101	EA	Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate One 4' (T8) Lamp	61.19	
		For Specular Reflector, Add	*6.47*	
26 01 50 52-0102	EA	Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps	66.07	
		For Specular Reflector, Add	*7.44*	
26 01 50 52-0103	EA	Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps	87.57	
		For Specular Reflector, Add	*11.74*	
26 01 50 52-0104	EA	Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Four 4' (T8) Lamps	108.12	
		For Specular Reflector, Add	*15.85*	
26 01 50 52-0105		Retrofit Existing (T12) Troffer Style Fluorescent Fixtures *(26 01 50 52-0094)* Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 52-0106	EA	Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate One 4' (T8) Lamps	77.33	
		For Specular Reflector, Add	*8.05*	
26 01 50 52-0107	EA	Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps	81.85	
		For Specular Reflector, Add	*8.95*	
26 01 50 52-0108	EA	Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Two 2' (T8) Lamps	80.94	
		For Specular Reflector, Add	*8.77*	
26 01 50 52-0109	EA	Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Three 2' (T8) Lamps	88.92	
		For Specular Reflector, Add	*10.36*	
26 01 50 52-0110	EA	Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Four 2' (T8) Lamps	103.61	
		For Specular Reflector, Add	*13.30*	
26 01 50 52-0111	EA	Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps	85.50	
		For Specular Reflector, Add	*9.68*	
26 01 50 52-0112	EA	Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Three 4' (T8) Lamps	93.33	
		For Specular Reflector, Add	*11.25*	
26 01 50 52-0113	EA	Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Four 4' (T8) Lamps	100.21	
		For Specular Reflector, Add	*12.62*	
26 01 50 52-0114		Retrofit Existing Recessed Lay-In/Troffer Fixtures *(26 01 50 52-0093)*		
26 01 50 52-0115		Fluorescent Volumetric Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Lithonia) *(26 01 50 52-0114)* Note: Includes removing existing lamps and ballast. Includes installing adaptor frame, volumetric reflectors, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0139 for disposal of hazardous lamps.		
26 01 50 52-0116	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	153.29	
26 01 50 52-0117	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	153.29	
26 01 50 52-0118	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	153.29	
26 01 50 52-0119	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	168.75	
26 01 50 52-0120	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	153.29	
26 01 50 52-0121	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	153.29	
26 01 50 52-0122	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	153.29	
26 01 50 52-0123	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	168.75	
26 01 50 52-0124	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	153.79	
26 01 50 52-0125	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	153.79	
26 01 50 52-0126	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	153.79	
26 01 50 52-0127	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	169.25	
26 01 50 52-0128	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	153.79	
26 01 50 52-0129	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	153.79	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0130	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	153.79	
26 01 50 52-0131	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	169.25	

26 01 50 52-0132 LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (PlanLED) *(26 01 50 52-0114)*

Note: Includes adaptor frame, optical system, LEDs and driver. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0139 for disposal of hazardous lamps.

26 01 50 52-0133	EA	2,400 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-025)	226.41	
26 01 50 52-0134	EA	4,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-045)	236.92	

26 01 50 52-0135 LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Raffino™) *(26 01 50 52-0114)*

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0139 for disposal of hazardous lamps.

26 01 50 52-0136	EA	2,600 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-2600L)	256.58	
26 01 50 52-0137	EA	2,500 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-2500L)	263.48	
26 01 50 52-0138	EA	3,300 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-3300L)	263.48	
26 01 50 52-0139	EA	3,400 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-3400L)	291.09	
26 01 50 52-0140	EA	4,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-4000L)	297.71	
26 01 50 52-0141	EA	5,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-5000L)	318.69	

26 01 50 52-0142 Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components) *(26 01 50 52-0114)*

Note: Includes adaptor frame, optical system, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0139 for disposal of hazardous lamps.

26 01 50 52-0143	EA	1 T5 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	143.69	
26 01 50 52-0144	EA	1 T8 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	114.31	
26 01 50 52-0145	EA	2 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	147.63	
26 01 50 52-0146	EA	2 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	118.22	
26 01 50 52-0147	EA	3 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	154.76	
26 01 50 52-0148	EA	3 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	127.47	
26 01 50 52-0149	EA	1 T5 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	170.13	
26 01 50 52-0150	EA	1 T8 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	140.66	
26 01 50 52-0151	EA	2 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	173.82	
26 01 50 52-0152	EA	2 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	144.38	
26 01 50 52-0153	EA	3 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	180.85	
26 01 50 52-0154	EA	3 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	153.58	

26 01 50 52-0155 LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT) *(26 01 50 52-0114)*

Note: Includes removing existing lamps and ballast. Includes installing LED light engine assembly, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0139 for disposal of hazardous lamps.

26 01 50 52-0156	EA	3,300 Lumens, 2' x 2', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT)	333.99	
26 01 50 52-0157	EA	4,800 Lumens, 2' x 4', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL4R/RT)	370.07	

26 01 50 53 Lens and Accessory Replacement *(26 01 50)*

26 01 50 53-0001	EA	Parabolic Aluminum Louver Replacement	83.80	
26 01 50 53-0002	EA	Visor For Fixtures	159.82	
26 01 50 53-0003	EA	Replace Globe On Pole	201.98	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 53-0004	EA	Replace Lenses For Flat Top Pole Fixtures	74.69	
26 01 50 53-0005	EA	Replace 1' x 4' Diffuser With Prismatic Acrylic Diffuser, 0.125" Thick	24.06	
26 01 50 53-0006	EA	Replace 2' x 2' Diffuser With Prismatic Acrylic Diffuser, 0.125" Thick	25.27	
26 01 50 53-0007	EA	Replace 2' x 4' Diffuser With Prismatic Acrylic Diffuser, 0.125" Thick	30.55	
26 01 50 53-0008	EA	Replace Slide-On Lampholder	10.15	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.47*	
26 01 50 53-0009	EA	Replace Screw Mount Lampholder	10.34	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.47*	
26 01 50 53-0010	EA	Replace Medium Bi-Pin Lampholder	11.95	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.47*	
26 01 50 53-0011	EA	Replace Fixed High Output Lampholder, Recessed, Double Contact Double Pedestal Type	14.42	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.47*	
26 01 50 53-0012	EA	Replace Plunger High Output Lampholder, Recessed, Double Contact Double Pedestal Type	16.03	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.47*	
26 01 50 53-0013	EA	Replace Compact Twin-Tube Lampholder, Snap-in	11.70	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.47*	
26 01 50 53-0014	EA	Replace Exterior Light Globes	39.05	

26 05 Common Work Results For Electrical *(26)*

26 05 13 Medium-Voltage Cables *(26 05)*

26 05 13 00-0001 Wire And Cable *(26 05 13)*

Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. Excludes terminations.

26 05 13 00-0002 5 KV Cable *(26 05 13 00-0001)*

26 05 13 00-0003 Shielded, XLP Insulation 5 KV, Single Copper Conductor *(26 05 13 00-0002)*

Note: Conductor pulled in duct, 133 percent insulation.

26 05 13 00-0004	MLF	#6 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	2,550.97	650.74
26 05 13 00-0005	MLF	#4 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	3,025.75	710.56
26 05 13 00-0006	MLF	#2 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	3,615.87	802.82
26 05 13 00-0007	MLF	#1/0 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	4,697.64	989.10
26 05 13 00-0008	MLF	#2/0 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	5,351.81	1,113.82
26 05 13 00-0009	MLF	#3/0 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	6,582.33	1,236.31
26 05 13 00-0010	MLF	#4/0 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	7,409.33	1,389.12
26 05 13 00-0011	MLF	250 MCM Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	8,806.40	1,545.46
26 05 13 00-0012	MLF	350 MCM Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	10,261.19	1,845.24
26 05 13 00-0013	MLF	500 MCM Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	12,953.19	2,169.04
26 05 13 00-0014	MLF	750 MCM Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	17,618.27	1,854.51
26 05 13 00-0015	MLF	1,000 MCM Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	25,792.46	2,943.66

26 05 13 00-0016 Shielded, XLP Insulated, 5 KV, Single Copper Conductor *(26 05 13 00-0002)*

Note: Buried in trench, excludes excavation, 133 percent insulation.

26 05 13 00-0017	MLF	#6 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	2,469.63	
26 05 13 00-0018	MLF	#4 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	2,794.82	
26 05 13 00-0019	MLF	#2 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	3,154.24	
26 05 13 00-0020	MLF	#1/0 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	3,923.23	
26 05 13 00-0021	MLF	#2/0 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	4,265.53	
26 05 13 00-0022	MLF	#3/0 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	5,342.29	
26 05 13 00-0023	MLF	#4/0 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	5,787.28	
26 05 13 00-0024	MLF	250 MCM Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	6,949.89	
26 05 13 00-0025	MLF	350 MCM Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	7,736.39	
26 05 13 00-0026	MLF	500 MCM Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	9,692.06	

26 05 13 00-0027 Shielded, XLP Insulated, 5 KV, Single Copper Conductor *(26 05 13 00-0002)*

Note: Installed on poles, aerially, 133 percent insulation.

26 05 13 00-0028	MLF	#6 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	2,000.83	407.77
26 05 13 00-0029	MLF	#4 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	2,403.95	437.23
26 05 13 00-0030	MLF	#2 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	3,068.65	552.91
26 05 13 00-0031	MLF	#1/0 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	3,997.18	671.22
26 05 13 00-0032	MLF	#2/0 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	4,647.70	787.94
26 05 13 00-0033	MLF	#3/0 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	5,870.75	901.09
26 05 13 00-0034	MLF	#4/0 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	6,697.05	1,045.53
26 05 13 00-0035	MLF	250 MCM Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	8,415.81	1,315.34
26 05 13 00-0036	MLF	350 MCM Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	10,042.36	1,664.31
26 05 13 00-0037	MLF	500 MCM Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	13,051.78	2,091.05

26 05 13 00-0038 5 KV Non-Shielded Single Copper Conductor *(26 05 13 00-0002)*

26 05 13 00-0039	MLF	1/0 5 KV Non-Shielded, Single Copper Conductor	5,552.09	1,296.86
26 05 13 00-0040	MLF	3/0 5 KV Non-Shielded, Single Copper Conductor	7,262.34	1,334.14
26 05 13 00-0041	MLF	4/0 5 KV Non-Shielded, Single Copper Conductor	7,566.90	1,363.62
26 05 13 00-0042	MLF	350 MCM 5 KV Non-Shielded, Single Copper Conductor	9,066.74	1,415.64
26 05 13 00-0043	MLF	500 MCM 5 KV Non-Shielded, Single Copper Conductor	12,948.76	1,483.61
26 05 13 00-0044	MLF	750 MCM 5 KV Non-Shielded, Single Copper Conductor	20,035.85	1,854.51
26 05 13 00-0045	MLF	1,000 MCM 5 KV Non-Shielded, Single Copper Conductor	23,121.23	2,472.71

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 00-0046		Shielded, EPR Insulation 5 KV, Single Copper Conductor *(26 05 13 00-0002)*		
		Note: Conductor pulled in duct, 133 percent insulation.		
26 05 13 00-0047	MLF	#6 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	2,717.33	650.74
26 05 13 00-0048	MLF	#4 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	3,250.64	710.56
26 05 13 00-0049	MLF	#2 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	3,905.46	802.82
26 05 13 00-0050	MLF	#1 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	4,501.67	895.92
26 05 13 00-0051	MLF	#1/0 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	5,098.13	989.10
26 05 13 00-0052	MLF	#2/0 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	5,813.92	1,113.82
26 05 13 00-0053	MLF	#3/0 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	7,210.79	1,236.31
26 05 13 00-0054	MLF	#4/0 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	8,117.89	1,389.12
26 05 13 00-0055	MLF	250 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	9,696.11	1,545.46
26 05 13 00-0056	MLF	350 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	11,277.82	1,845.24
26 05 13 00-0057	MLF	500 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	14,308.70	2,169.04
26 05 13 00-0058	MLF	750 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	19,955.03	1,854.51
26 05 13 00-0059	MLF	1,000 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	29,110.45	2,943.66
26 05 13 00-0060		Shielded, EPR Insulated, 5 KV, Single Copper Conductor *(26 05 13 00-0002)*		
		Note: Buried in trench, excludes excavation, 133 percent insulation.		
26 05 13 00-0061	MLF	#6 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	2,635.99	
26 05 13 00-0062	MLF	#4 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	3,019.72	
26 05 13 00-0063	MLF	#2 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	3,443.83	
26 05 13 00-0064	MLF	#1 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	3,884.13	
26 05 13 00-0065	MLF	#1/0 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	4,323.72	
26 05 13 00-0066	MLF	#2/0 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	4,727.64	
26 05 13 00-0067	MLF	#3/0 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	5,970.75	
26 05 13 00-0068	MLF	#4/0 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	6,495.84	
26 05 13 00-0069	MLF	250 MCM Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	7,839.60	
26 05 13 00-0070	MLF	350 MCM Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	8,753.03	
26 05 13 00-0071	MLF	500 MCM Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	11,047.58	
26 05 13 00-0072		Shielded, EPR Insulated, 5 KV, Single Copper Conductor *(26 05 13 00-0002)*		
		Note: Installed on poles, aerially, 133 percent insulation.		
26 05 13 00-0073	MLF	#6 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	2,167.19	407.77
26 05 13 00-0074	MLF	#4 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	2,628.84	437.23
26 05 13 00-0075	MLF	#2 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	3,358.24	552.91
26 05 13 00-0076	MLF	#1 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	3,876.86	611.62
26 05 13 00-0077	MLF	#1/0 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	4,397.67	671.22
26 05 13 00-0078	MLF	#2/0 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	5,109.81	787.94
26 05 13 00-0079	MLF	#3/0 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	6,499.21	901.09
26 05 13 00-0080	MLF	#4/0 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	7,405.61	1,045.53
26 05 13 00-0081	MLF	250 MCM Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	9,305.52	1,315.34
26 05 13 00-0082	MLF	350 MCM Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	11,059.00	1,664.31
26 05 13 00-0083	MLF	500 MCM Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	14,407.29	2,091.05
26 05 13 00-0084		Greater Than 5 KV Cable *(26 05 13 00-0001)*		
26 05 13 00-0085		XLP, 15 KV, Shielded, Single Conductor, 133% Insulation Cable *(26 05 13 00-0084)*		
26 05 13 00-0086		Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable *(26 05 13 00-0085)*		
26 05 13 00-0087	MLF	#4 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	5,352.75	1,296.86
26 05 13 00-0088	MLF	#2 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	5,782.11	1,296.86
26 05 13 00-0089	MLF	#1 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	5,945.88	1,296.86
26 05 13 00-0090	MLF	#1/0 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	6,479.39	1,296.86
26 05 13 00-0091	MLF	#2/0 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	6,985.77	1,296.86
26 05 13 00-0092	MLF	#3/0 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	7,977.77	1,353.70
26 05 13 00-0093	MLF	#4/0 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	8,176.70	1,353.70
26 05 13 00-0094	MLF	250 MCM, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	9,416.81	1,415.64
26 05 13 00-0095	MLF	350 MCM, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	10,666.25	1,448.84
26 05 13 00-0096	MLF	500 MCM, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	12,769.68	1,483.61
26 05 13 00-0097		Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable *(26 05 13 00-0085)*		
		Note: Buried in trench, excludes excavation.		
26 05 13 00-0098	MLF	#1 AWG, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	4,550.85	
26 05 13 00-0099	MLF	#1/0 AWG, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	5,084.36	
26 05 13 00-0100	MLF	#2/0 AWG, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	5,590.74	
26 05 13 00-0101	MLF	#3/0 AWG, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	6,600.68	
26 05 13 00-0102	MLF	#4/0 AWG, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	6,799.61	
26 05 13 00-0103	MLF	250 MCM, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	8,116.47	
26 05 13 00-0104	MLF	350 MCM, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	9,368.11	
26 05 13 00-0105	MLF	500 MCM Cable, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation	11,456.67	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 00-0106			Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable *(26 05 13 00-0085)*		
			Note: Installed on poles.		
26 05 13 00-0107		MLF	#1 AWG, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	4,241.77	582.53
26 05 13 00-0108		MLF	#1/0 AWG, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	5,009.46	671.22
26 05 13 00-0109		MLF	#2/0 AWG, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	5,824.06	787.94
26 05 13 00-0110		MLF	#3/0 AWG, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	6,972.90	901.09
26 05 13 00-0111		MLF	#4/0 AWG, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	7,553.14	1,045.53
26 05 13 00-0112		MLF	250 MCM, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	9,091.48	1,217.13
26 05 13 00-0113		MLF	350 MCM, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	10,788.94	1,418.27
26 05 13 00-0114		MLF	500 MCM, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	13,410.65	1,647.45
26 05 13 00-0115			Shielded, EPR Insulated *(26 05 13 00-0084)*		
26 05 13 00-0116			Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable *(26 05 13 00-0115)*		
26 05 13 00-0117		MLF	#4 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	5,732.66	1,296.86
26 05 13 00-0118		MLF	#2 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	6,239.30	1,296.86
26 05 13 00-0119		MLF	#1 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	6,432.55	1,296.86
26 05 13 00-0120		MLF	#1/0 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	7,062.09	1,296.86
26 05 13 00-0121		MLF	#2/0 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	7,659.63	1,296.86
26 05 13 00-0122		MLF	#3/0 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	8,804.62	1,353.70
26 05 13 00-0123		MLF	#4/0 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	9,039.36	1,353.70
26 05 13 00-0124		MLF	250 MCM, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	10,474.79	1,415.64
26 05 13 00-0125		MLF	350 MCM, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	11,934.20	1,448.84
26 05 13 00-0126		MLF	500 MCM, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	14,400.59	1,483.61
26 05 13 00-0127			Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable *(26 05 13 00-0115)*		
			Note: Buried in trench, excludes excavation.		
26 05 13 00-0128		MLF	#1 AWG, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	5,037.52	
26 05 13 00-0129		MLF	#1/0 AWG, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	5,667.06	
26 05 13 00-0130		MLF	#2/0 AWG, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	6,264.59	
26 05 13 00-0131		MLF	#3/0 AWG, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	7,427.53	
26 05 13 00-0132		MLF	#4/0 AWG, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	7,662.27	
26 05 13 00-0133		MLF	250 MCM, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	9,171.37	
26 05 13 00-0134		MLF	350 MCM, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	10,630.24	
26 05 13 00-0135		MLF	500 MCM, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	13,087.59	
26 05 13 00-0136			Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable *(26 05 13 00-0115)*		
			Note: Installed on poles.		
26 05 13 00-0137		MLF	#1 AWG, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	4,728.44	582.53
26 05 13 00-0138		MLF	#1/0 AWG, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	5,592.16	671.22
26 05 13 00-0139		MLF	#2/0 AWG, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	6,497.91	787.94
26 05 13 00-0140		MLF	#3/0 AWG, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	7,799.75	901.09
26 05 13 00-0141		MLF	#4/0 AWG, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	8,415.80	1,045.53
26 05 13 00-0142		MLF	250 MCM, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	10,149.46	1,217.13
26 05 13 00-0143		MLF	350 MCM, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	12,056.89	1,418.27
26 05 13 00-0144		MLF	500 MCM, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	15,041.57	1,647.45
26 05 13 00-0145			15 KV Non-Shielded Single Copper Conductor *(26 05 13 00-0084)*		
26 05 13 00-0146		MLF	1/0 15 KV Non-Shielded, Single Copper Conductor	7,647.07	1,301.40
26 05 13 00-0147		MLF	3/0 15 KV Non-Shielded, Single Copper Conductor	9,917.98	1,363.62
26 05 13 00-0148		MLF	350 MCM 15 KV Non-Shielded, Single Copper Conductor	13,606.40	1,454.49
26 05 13 00-0149			Shielded Armored Copper, 15 KV, 3 Conductor *(26 05 13 00-0084)*		
			Note: Laid in cable tray or hung in vertical cable shaft.		
26 05 13 00-0150			Galvanized Steel Interlocked Armor Cable *(26 05 13 00-0149)*		
26 05 13 00-0151		LF	#2 AWG TC 3 Conductor 15 KV Galvanized Armored Shielded, Laid In Cable Tray Or Hung Vertically	36.55	9.92
26 05 13 00-0152		LF	#1/0 AWG TC 3 Conductor 15 KV Galvanized Armored Shielded, Laid In Cable Tray Or Hung Vertically	43.61	10.57
26 05 13 00-0153			Aluminum Interlocked Armor Cable *(26 05 13 00-0149)*		
26 05 13 00-0154		LF	#2 AWG TC 3 Conductor 15 KV Aluminum Armored Shielded, Laid In Cable Tray Or Hung Vertically	36.55	9.92
26 05 13 00-0155		LF	#1/0 AWG TC 3 Conductor 15 KV Aluminum Armored Shielded, Laid In Cable Tray Or Hung Vertically	43.61	10.57
26 05 13 00-0156			Type URD, 15 KV Primary Concentric UD Cable *(26 05 13 00-0084)*		
			Note: 0.175" XLPE insulation, copper conductor.		
26 05 13 00-0157		MLF	#4 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor	2,650.45	650.74
26 05 13 00-0158		MLF	#2 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor	3,160.22	710.56
26 05 13 00-0159		MLF	#1 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor	3,789.02	802.82

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 05 13 00-0160	MLF	#1/0 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor	4,930.54	986.41
	26 05 13 00-0161	MLF	#2/0 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor	5,619.79	1,110.48
	26 05 13 00-0162	MLF	#3/0 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor	6,958.11	1,236.31
	26 05 13 00-0163	MLF	#4/0 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor	7,820.06	1,383.93
26 05 13 00-0164			15 KV URD Cable Copper Direct Burial *(26 05 13 00-0084)*		
	26 05 13 00-0165	MLF	15 KV 3/C URD Cable Copper Direct Burial #6	12,756.79	
26 05 13 00-0166			Greater Than 25 KV Shielded Single Conductor Copper *(26 05 13 00-0084)*		
26 05 13 00-0167			35 KV Shielded Single Copper Conductor *(26 05 13 00-0166)*		
	26 05 13 00-0168	MLF	3/0 35 KV Shielded, Single Copper Conductor	13,569.85	2,146.01
26 05 13 00-0169			70 KV Shielded Single Copper Conductor *(26 05 13 00-0166)*		
	26 05 13 00-0170	MLF	350 MCM 70 KV Shielded, Single Copper Conductor	44,281.67	2,446.49
26 05 13 00-0171			Wire Connections *(26 05 13 00-0001)*		
26 05 13 00-0172			Medium Voltage Up To 5 KV *(26 05 13 00-0171)*		
26 05 13 00-0173			Shielded One Conductor Cable Splice *(26 05 13 00-0172)*		
	26 05 13 00-0174	EA	#6 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	205.49	82.30
	26 05 13 00-0175	EA	#2 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	241.35	82.30
	26 05 13 00-0176	EA	1/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	241.35	82.30
	26 05 13 00-0177	EA	2/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	265.83	98.75
	26 05 13 00-0178	EA	3/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	265.83	98.75
	26 05 13 00-0179	EA	4/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	265.83	98.75
	26 05 13 00-0180	EA	250 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	298.49	115.21
	26 05 13 00-0181	EA	350 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	298.49	115.21
	26 05 13 00-0182	EA	500 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	298.49	115.21
26 05 13 00-0183			Cable Termination Without Stress Cone *(26 05 13 00-0172)*		
	26 05 13 00-0184	EA	#6 To 4/0 AWG Cable Termination Without Stress Cone, Medium Voltage To 5 KV	198.96	98.75
	26 05 13 00-0185	EA	250 To 500 MCM Cable Termination Without Stress Cone, Medium Voltage To 5 KV	234.70	115.21
26 05 13 00-0186			Cable Termination With Stress Cone *(26 05 13 00-0172)*		
	26 05 13 00-0187	EA	#6 To 4/0 AWG Cable Termination With Stress Cone, Medium Voltage To 5 KV	700.00	197.51
	26 05 13 00-0188	EA	250 To 500 MCM Cable Termination With Stress Cone, Medium Voltage To 5 KV	968.00	271.56
26 05 13 00-0189			Connect To Pothead, Pothead Included *(26 05 13 00-0172)*		
	26 05 13 00-0190	EA	#6 To 4/0 AWG Connection To Pothead (Included) Medium Voltage To 5 KV	721.66	197.51
	26 05 13 00-0191	EA	250 To 500 MCM Connection To Pothead (Included) Medium Voltage To 5 KV	898.23	226.30
26 05 13 00-0192			Two Conductor Pothead *(26 05 13 00-0172)*		
			Note: Includes 5 KV pothead.		
	26 05 13 00-0193	EA	#6 To 4/0 AWG 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV	679.08	271.56
	26 05 13 00-0194	EA	250 To 350 MCM 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV	881.46	345.63
	26 05 13 00-0195	EA	400 To 700 MCM 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV	1,194.14	391.87
	26 05 13 00-0196	EA	750 MCM 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV	1,735.15	457.21
	26 05 13 00-0197	EA	1,000 MCM 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV	3,013.13	685.75
26 05 13 00-0198			Three Conductor Pothead *(26 05 13 00-0172)*		
			Note: Includes 5 KV pothead.		
	26 05 13 00-0199	EA	#6 To 4/0 3/c 5 KV Pothead (Included) Medium Voltage To 5 KV	1,926.72	395.00
	26 05 13 00-0200	EA	250 To 500 MCM 3/c 5 KV Pothead (Included) Medium Voltage To 5 KV	2,142.00	460.84
26 05 13 00-0201			Copper Cable Splice, Crimp Compression Connection *(26 05 13 00-0172)*		
			Note: For bare wire.		
	26 05 13 00-0202	EA	#6 AWG Crimp Compression Connection For Bare Copper Wire	52.47	
	26 05 13 00-0203	EA	#4 AWG Crimp Compression Connection For Bare Copper Wire	57.58	
	26 05 13 00-0204	EA	#3 AWG Crimp Compression Connection For Bare Copper Wire	67.16	
	26 05 13 00-0205	EA	#2 AWG Crimp Compression Connection For Bare Copper Wire	76.43	
	26 05 13 00-0206	EA	#1 AWG Crimp Compression Connection For Bare Copper Wire	86.12	
	26 05 13 00-0207	EA	1/0 AWG Crimp Compression Connection For Bare Copper Wire	95.66	
	26 05 13 00-0208	EA	2/0 AWG Crimp Compression Connection For Bare Copper Wire	105.12	
	26 05 13 00-0209	EA	3/0 AWG Crimp Compression Connection For Bare Copper Wire	114.88	
	26 05 13 00-0210	EA	4/0 AWG Crimp Compression Connection For Bare Copper Wire	124.44	
	26 05 13 00-0211	EA	250 MCM Crimp Compression Connection For Bare Copper Wire	134.16	
	26 05 13 00-0212	EA	300 MCM Crimp Compression Connection For Bare Copper Wire	144.03	
	26 05 13 00-0213	EA	350 MCM Crimp Compression Connection For Bare Copper Wire	153.50	
	26 05 13 00-0214	EA	400 MCM Crimp Compression Connection For Bare Copper Wire	173.14	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 00-0215	EA	500 MCM Crimp Compression Connection For Bare Copper Wire	193.18	
26 05 13 00-0216		**Aluminum Cable Splice, Crimp Compression Connection** *(26 05 13 00-0172)*		
		Note: For bare wire.		
26 05 13 00-0217	EA	#6 AWG Crimp Compression Connection For Bare Aluminum Wire	53.25	
26 05 13 00-0218	EA	#4 AWG Crimp Compression Connection For Bare Aluminum Wire	58.01	
26 05 13 00-0219	EA	#2 AWG Crimp Compression Connection For Bare Aluminum Wire	77.84	
26 05 13 00-0220	EA	#1 AWG Crimp Compression Connection For Bare Aluminum Wire	89.71	
26 05 13 00-0221	EA	1/0 AWG Crimp Compression Connection For Bare Aluminum Wire	99.05	
26 05 13 00-0222	EA	2/0 AWG Crimp Compression Connection For Bare Aluminum Wire	108.35	
26 05 13 00-0223	EA	3/0 AWG Crimp Compression Connection For Bare Aluminum Wire	118.63	
26 05 13 00-0224	EA	4/0 AWG Crimp Compression Connection For Bare Aluminum Wire	128.41	
26 05 13 00-0225	EA	250 MCM Crimp Compression Connection For Bare Aluminum Wire	138.03	
26 05 13 00-0226	EA	300 MCM Crimp Compression Connection For Bare Aluminum Wire	147.81	
26 05 13 00-0227	EA	350 MCM Crimp Compression Connection For Bare Aluminum Wire	157.47	
26 05 13 00-0228	EA	400 MCM Crimp Compression Connection For Bare Aluminum Wire	178.83	
26 05 13 00-0229	EA	500 MCM Crimp Compression Connection For Bare Aluminum Wire	200.29	
26 05 13 00-0230		**15 KV** *(26 05 13 00-0171)*		
26 05 13 00-0231		**Single Conductor Pothead On Racks** *(26 05 13 00-0230)*		
		Note: Includes pothead.		
26 05 13 00-0232	EA	#2 To 4/0 AWG 1/c 15 KV Pothead (Included), On Racks	836.22	345.63
26 05 13 00-0233	EA	250 To 500 MCM 1/c 15 KV Pothead (Included), On Racks	1,056.63	427.91
26 05 13 00-0234		**Two Conductor Pothead On Rack** *(26 05 13 00-0230)*		
		Note: Includes pothead.		
26 05 13 00-0235	EA	#2 To 4/0 AWG 2/c 15 KV Pothead (Included), On Racks	1,257.94	526.67
26 05 13 00-0236	EA	250 To 500 MCM 2/c 15 KV Pothead (Included), On Racks	1,500.04	625.42
26 05 13 00-0237		**Three Conductor Pothead On Rack** *(26 05 13 00-0230)*		
		Note: Includes pothead.		
26 05 13 00-0238	EA	#2 To 4/0 AWG 3/c 15 KV Pothead (Included), On Racks	1,620.34	683.03
26 05 13 00-0239	EA	250 To 500 MCM 3/c 15 KV Pothead (Included), On Racks	2,021.93	855.84
26 05 13 00-0240		**Stress Relief Cone On Rack** *(26 05 13 00-0230)*		
26 05 13 00-0241	EA	#2 To 4/0 AWG Stress Relief Cone, On Rack	810.05	345.63
26 05 13 00-0242	EA	250 To 500 MCM Stress Relief Cone, On Rack	1,027.21	427.91
26 05 13 00-0243		**Grounded, Shielded Cable Splice** *(26 05 13 00-0230)*		
26 05 13 00-0244	EA	#2 To 4/0 AWG Cable Splice, Grounded, Shielded, 15 KV	580.11	255.11
26 05 13 00-0245	EA	250 To 500 MCM Cable Splice, Grounded, Shielded, 15 KV	745.95	329.17
26 05 13 00-0246	EA	3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE 2-Way	2,799.42	905.21
26 05 13 00-0247	EA	3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE - CE 3-Way	3,391.94	987.51
26 05 13 00-0248		**Cable Termination** *(26 05 13 00-0230)*		
26 05 13 00-0249	EA	#2 To 3/0 AWG Cable Termination 15 KV	355.55	144.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*86.41*	
26 05 13 00-0250	EA	4/0 To 250 MCM Cable Termination 15 KV	452.94	185.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.09*	
26 05 13 00-0251	EA	350 To 500 MCM Cable Termination 15 KV	557.77	226.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*135.78*	
26 05 13 00-0252	EA	#2 To 3/0 AWG Cable Elbow Termination 15 KV	215.52	82.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.37*	
26 05 13 00-0253		**Stress Cones, 5-15 KV, 4 Skirted** *(26 05 13 00-0230)*		
26 05 13 00-0254	EA	#4 To 1/0 AWG Stress Cones, 5-15 KV, 4 Skirted	364.87	106.98
26 05 13 00-0255	EA	2/0 To 3/0 AWG Stress Cones, 5-15 KV, 4 Skirted	411.17	118.24
26 05 13 00-0256	EA	4/0 To 350 MCM Stress Cones, 5-15 KV, 4 Skirted	475.50	129.39
26 05 13 00-0257	EA	400 To 500 MCM Stress Cones, 5-15 KV, 4 Skirted	591.45	149.08
26 05 13 00-0258		**Stress Cones, 5-15 KV, 6 Skirted** *(26 05 13 00-0230)*		
26 05 13 00-0259	EA	#4 To 1/0 AWG Stress Cones, 5-15 KV, 6 Skirted	729.76	214.32
26 05 13 00-0260	EA	2/0 To 3/0 AWG Stress Cones, 5-15 KV, 6 Skirted	822.41	236.47
26 05 13 00-0261	EA	4/0 To 350 MCM Stress Cones, 5-15 KV, 6 Skirted	941.41	253.98
26 05 13 00-0262	EA	400 To 500 MCM Stress Cones, 5-15 KV, 6 Skirted	1,182.90	298.16
26 05 13 00-0263		**35 KV** *(26 05 13 00-0171)*		
26 05 13 00-0264		**35 KV One Conductor Splice** *(26 05 13 00-0263)*		

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 00-0265	EA	Cable Splicing, #1 Stranded To 4/0 Stranded, 35 KV	1,442.14	
26 05 13 00-0266		Cable Termination *(26 05 13 00-0263)*		
26 05 13 00-0267	EA	#2 To 3/0 AWG Cable Termination 35 KV	279.13	98.83
26 05 13 00-0268	EA	3/0 AWG To 250 MCM Cable Termination 35 KV	397.88	149.12
26 05 13 00-0269	EA	350 To 500 MCM Cable Termination 35 KV	445.87	159.48
26 05 13 00-0270	EA	#2 To 3/0 AWG Cable Elbow Termination 35 KV	226.06	82.30
26 05 13 00-0271		70 KV *(26 05 13 00-0171)*		
26 05 13 00-0272		Cable Splice *(26 05 13 00-0271)*		
26 05 13 00-0273	EA	Cable Splicing, 350 MCM 70 KV	4,738.24	
26 05 13 00-0274	EA	Cable Splicing, #2 To 4/0 70 KV	1,468.61	

26 05 19 Low-Voltage Electrical Power Conductors And Cables *(26 05)*

26 05 19 13 Undercarpet Electrical Power Cables *(26 05 19)*

26 05 19 13-0001		Under Carpet Power System *(26 05 19 13)* Note: Includes laying out, floor prep, taping, testing, drill floor, folds.		
26 05 19 13-0002	LF	Cable Flat 3 Conductor #12 With Attached Bottom Shield	3.11	0.38
26 05 19 13-0003	LF	Top Shield, Steel	6.83	0.38
26 05 19 13-0004	EA	Splice, 3-Conductor	20.40	6.40
26 05 19 13-0005	EA	Splice Top Shield For 3 Conductor	6.65	3.01
26 05 19 13-0006	EA	Tap 3-Conductor	25.14	7.52
26 05 19 13-0007	EA	Insulating Patch, Splice Tap And End	35.74	6.40
26 05 19 13-0008	EA	Transition Block Assembly 3-conductor	23.05	3.76
26 05 19 13-0009	EA	Receptacles, Direct Connected Single, With Box	69.98	12.04
26 05 19 13-0010	EA	Receptacles, Direct Connected Dual, With Box	115.82	18.81
26 05 19 13-0011	EA	Box, Floor Mounted With Cover	113.02	15.05
26 05 19 13-0012	LF	5-Conductor #12 With Attached Bottom Shield	4.80	0.38
26 05 19 13-0013	LF	Shield, Top, Steel For 5 Conductor	4.77	0.38
26 05 19 13-0014	EA	Splice, 5 Conductor	20.62	6.40
26 05 19 13-0015	EA	Insulating Patch Splice Tap And End	29.71	3.76
26 05 19 13-0016	EA	Transition Block Assembly 5 Conductor	29.71	3.76
26 05 19 13-0017	EA	Box, Wall, Flush With Cover	56.11	15.05
26 05 19 13-0018	EA	Telephone Transition Fitting Wall Box	38.59	12.41
26 05 19 13-0019	EA	Telephone Fitting With Duplex Jack And Cover RJ-45	49.46	14.30
26 05 19 13-0020	EA	Telephone Miniature With Duplex RJ-45	20.97	5.64
26 05 19 13-0021	LF	Telephone 4-Pair Level 5 Under Carpet Wire	1.25	0.38
26 05 19 13-0022	EA	BNC Coax Connector Plug	18.68	7.52
26 05 19 13-0023	EA	TNC Connector Coax Plug	18.68	7.52
26 05 19 13-0024	CLF	Flat RG A/U 59, 75 Ohm, RG A/U 62, 93 Ohm, RG A/U 58, 50 Ohm	96.97	37.62

26 05 19 16 Low-Voltage, Single-And Multi-Conductor Cables *(26 05 19)*

26 05 19 16-0001		Cable Installation Methods *(26 05 19 16)*		
26 05 19 16-0002		Pull Cord *(26 05 19 16-0001)* Note: Left in conduit for others to pull cable. Not to be used when contractor has priced new wire in a conduit. Priced when owner wants a pull cord left in a conduit for owner to pull wire at a later time.		
26 05 19 16-0003	LF	Pull String Installed To Remain In Place, In Existing Conduit	0.26	
26 05 19 16-0004	LF	Pull String Installed To Remain In Place, In New Conduits	0.13	
26 05 19 16-0005	LF	1/4" Nylon Pull Cord Installed To Remain In Place, In Existing Conduit	0.58	
26 05 19 16-0006	LF	1/4" Nylon Pull Cord Installed To Remain In Place, In New Conduits	0.34	
26 05 19 16-0007		Bore Conduit Into Dirt Or Sand *(26 05 19 16-0001)* Note: For installation under roads, driveways or other structures up to 20'.		
26 05 19 16-0008	LF	Bore 1" To 4" Conduit Into Dirt Or Sand	2.30	
26 05 19 16-0009	LF	Bore 5" To 8" Conduit Into Dirt Or Sand	2.93	
26 05 19 16-0010	EA	Boring Minimum Set-Up Charge Note: For projects where the total boring charge is less than the minimum set-up charge. Use this item exclusively. This item should not be used in conjunction with any other items in this section.	322.37	
26 05 19 16-0011		Wire and Cable *(26 05 19 16)* Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. Excludes terminations.		
26 05 19 16-0012		Multi-Conductor Cords, Cables And Associated Equipment *(26 05 19 16-0011)*		
26 05 19 16-0013		Multi-Conductor Cords *(26 05 19 16-0012)* Note: Includes installation in cable tray, surface mounting or installation between junction boxes. Excludes strain relief devices, plugs and connector bodies.		
26 05 19 16-0014		Multi-Conductor Type SOOW And SJOOW Cord *(26 05 19 16-0013)* Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0015		300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0014)*		
26 05 19 16-0016		#18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0015)*		
26 05 19 16-0017	LF	2/c #18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	0.91	0.33
26 05 19 16-0018	LF	3/c #18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	0.95	0.33
26 05 19 16-0019	LF	4/c #18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.09	0.33
26 05 19 16-0020		#16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0015)*		
26 05 19 16-0021	LF	2/c #16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.04	0.33
26 05 19 16-0022	LF	3/c #16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.13	0.33
26 05 19 16-0023	LF	4/c #16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.25	0.33
26 05 19 16-0024		#14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0015)*		
26 05 19 16-0025	LF	2/c #14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.20	0.33
26 05 19 16-0026	LF	3/c #14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.33	0.33
26 05 19 16-0027	LF	4/c #14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.59	0.33
26 05 19 16-0028		#12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0015)*		
26 05 19 16-0029	LF	2/c #12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.42	0.33
26 05 19 16-0030	LF	3/c #12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.58	0.33
26 05 19 16-0031	LF	4/c #12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.81	0.33
26 05 19 16-0032		#10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0015)*		
26 05 19 16-0033	LF	2/c #10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.90	0.41
26 05 19 16-0034	LF	3/c #10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	2.01	0.41
26 05 19 16-0035	LF	4/c #10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	2.18	0.41
26 05 19 16-0036		600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0014)*		
26 05 19 16-0037		#18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0036)*		
26 05 19 16-0038	LF	2/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	0.95	0.33
26 05 19 16-0039	LF	3/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.05	0.33
26 05 19 16-0040	LF	4/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.17	0.33
26 05 19 16-0041	LF	5/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.12	0.44
26 05 19 16-0042	LF	6/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.34	0.46
26 05 19 16-0043	LF	7/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.49	0.47
26 05 19 16-0044	LF	8/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.75	0.48
26 05 19 16-0045	LF	10/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.19	0.50
26 05 19 16-0046	LF	12/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.67	0.52
26 05 19 16-0047	LF	14/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.93	0.53
26 05 19 16-0048	LF	16/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.01	0.54
26 05 19 16-0049	LF	18/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.15	0.55
26 05 19 16-0050	LF	20/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.76	0.57
26 05 19 16-0051	LF	24/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.34	0.58
26 05 19 16-0052	LF	30/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.66	0.62
26 05 19 16-0053		#16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0036)*		
26 05 19 16-0054	LF	2/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.12	0.33
26 05 19 16-0055	LF	3/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.21	0.33
26 05 19 16-0056	LF	4/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.37	0.33
26 05 19 16-0057	LF	5/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.23	0.44
26 05 19 16-0058	LF	6/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.48	0.46
26 05 19 16-0059	LF	7/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.72	0.47
26 05 19 16-0060	LF	8/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.04	0.48
26 05 19 16-0061	LF	9/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.16	0.49
26 05 19 16-0062	LF	10/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.54	0.50
26 05 19 16-0063	LF	12/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.17	0.52
26 05 19 16-0064	LF	14/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.49	0.53
26 05 19 16-0065	LF	16/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.10	0.54
26 05 19 16-0066	LF	18/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.93	0.55
26 05 19 16-0067	LF	20/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.69	0.57
26 05 19 16-0068	LF	24/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.14	0.58
26 05 19 16-0069	LF	26/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.99	0.59
26 05 19 16-0070	LF	30/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	10.51	0.62
26 05 19 16-0071		#14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0036)*		
26 05 19 16-0072	LF	2/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.36	0.33
26 05 19 16-0073	LF	3/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.45	0.33
26 05 19 16-0074	LF	4/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.69	0.33

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0075	LF	5/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.97	0.44
26 05 19 16-0076	LF	6/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.60	0.46
26 05 19 16-0077	LF	7/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.81	0.47
26 05 19 16-0078	LF	8/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.32	0.48
26 05 19 16-0079	LF	9/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.65	0.49
26 05 19 16-0080	LF	10/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.22	0.50
26 05 19 16-0081	LF	12/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.76	0.52
26 05 19 16-0082	LF	14/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.39	0.53
26 05 19 16-0083	LF	16/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.73	0.54
26 05 19 16-0084	LF	20/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.70	0.57
26 05 19 16-0085	LF	24/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	10.31	0.58
26 05 19 16-0086	LF	30/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	12.24	0.62
26 05 19 16-0087		#12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0036)*		
26 05 19 16-0088	LF	2/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.59	0.33
26 05 19 16-0089	LF	3/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.77	0.33
26 05 19 16-0090	LF	4/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.95	0.33
26 05 19 16-0091	LF	5/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.44	0.44
26 05 19 16-0092	LF	6/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.02	0.46
26 05 19 16-0093	LF	7/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.61	0.47
26 05 19 16-0094	LF	8/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.26	0.48
26 05 19 16-0095	LF	9/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.71	0.49
26 05 19 16-0096	LF	10/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.50	0.50
26 05 19 16-0097	LF	12/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.43	0.52
26 05 19 16-0098	LF	14/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.30	0.53
26 05 19 16-0099	LF	16/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	9.17	0.54
26 05 19 16-0100	LF	18/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	9.58	0.55
26 05 19 16-0101	LF	20/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	11.08	0.57
26 05 19 16-0102	LF	24/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	12.62	0.58
26 05 19 16-0103	LF	26/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	14.18	0.59
26 05 19 16-0104	LF	28/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	14.67	0.60
26 05 19 16-0105	LF	30/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	15.21	0.62
26 05 19 16-0106		#10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0036)*		
26 05 19 16-0107	LF	2/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.86	0.41
26 05 19 16-0108	LF	3/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.01	0.41
26 05 19 16-0109	LF	4/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.17	0.41
26 05 19 16-0110	LF	5/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.94	0.44
26 05 19 16-0111	LF	6/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.98	0.46
26 05 19 16-0112	LF	7/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.89	0.47
26 05 19 16-0113	LF	10/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.64	0.50
26 05 19 16-0114	LF	12/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.79	0.52
26 05 19 16-0115	LF	16/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	11.27	0.54
26 05 19 16-0116	LF	20/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	16.53	0.57
26 05 19 16-0117		#8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0036)*		
26 05 19 16-0118	LF	3/c #8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	3.86	0.49
26 05 19 16-0119	LF	4/c #8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	4.21	0.57
26 05 19 16-0120	LF	5/c #8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	5.85	0.57
26 05 19 16-0121		#6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0036)*		
26 05 19 16-0122	LF	3/c #6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	5.64	0.57
26 05 19 16-0123	LF	4/c #6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	6.83	0.66
26 05 19 16-0124	LF	5/c #6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	8.19	0.82
26 05 19 16-0125		#4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0036)*		
26 05 19 16-0126	LF	3/c #4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	9.08	0.82
26 05 19 16-0127	LF	4/c #4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	9.99	0.90
26 05 19 16-0128	LF	5/c #4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	12.10	0.99
26 05 19 16-0129		#2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0036)*		
26 05 19 16-0130	LF	3/c #2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	13.38	1.64
26 05 19 16-0131	LF	4/c #2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	17.06	2.05
26 05 19 16-0132	LF	5/c #2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	20.47	2.72
26 05 19 16-0133		300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0014)*		
26 05 19 16-0134		#18, 300 Volt, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0133)*		
26 05 19 16-0135	LF	2/c #18, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.25	0.33
26 05 19 16-0136	LF	3/c #18, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.40	0.33

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26 05 19 16-0137	LF	4/c #18, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.70	0.33
26 05 19 16-0138		#16, 300 Volt, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0133)*		
26 05 19 16-0139	LF	2/c #16, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.34	0.33
26 05 19 16-0140	LF	3/c #16, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.58	0.33
26 05 19 16-0141	LF	4/c #16, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.69	0.33
26 05 19 16-0142		#14, 300 Volt, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0133)*		
26 05 19 16-0143	LF	2/c #14, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.94	0.33
26 05 19 16-0144	LF	3/c #14, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	2.90	0.33
26 05 19 16-0145	LF	4/c #14, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	3.76	0.41
26 05 19 16-0146		600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0014)*		
26 05 19 16-0147		#18, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0146)*		
26 05 19 16-0148	LF	2/c #18, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	1.86	0.33
26 05 19 16-0149	LF	3/c #18, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.27	0.33
26 05 19 16-0150	LF	4/c #18, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.69	0.33
26 05 19 16-0151		#16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0146)*		
26 05 19 16-0152	LF	2/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.00	0.33
26 05 19 16-0153	LF	3/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.42	0.33
26 05 19 16-0154	LF	4/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.07	0.33
26 05 19 16-0155	LF	5/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.33	0.41
26 05 19 16-0156		#14, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0146)*		
26 05 19 16-0157	LF	3/c #14, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.52	0.33
26 05 19 16-0158	LF	4/c #14, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.05	0.33
26 05 19 16-0159	LF	5/c #14, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.42	0.41
26 05 19 16-0160		#12, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0146)*		
26 05 19 16-0161	LF	3/c #12, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.02	0.33
26 05 19 16-0162	LF	4/c #12, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.49	0.33
26 05 19 16-0163	LF	5/c #12, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.91	0.41
26 05 19 16-0164		#10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0146)*		
26 05 19 16-0165	LF	3/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.48	0.41
26 05 19 16-0166	LF	4/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.90	0.41
26 05 19 16-0167	LF	5/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	4.30	0.41
26 05 19 16-0168		Multi-Conductor Type SEOW Cord *(26 05 19 16-0013)* Note: Includes thermoplastic elastomeric (TPE) insulation.		
26 05 19 16-0169		600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0168)*		
26 05 19 16-0170		#16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0169)*		
26 05 19 16-0171	LF	3/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.36	0.33
26 05 19 16-0172	LF	4/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.52	0.33
26 05 19 16-0173	LF	5/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.41	0.41
26 05 19 16-0174		#14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0169)*		
26 05 19 16-0175	LF	3/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.85	0.33
26 05 19 16-0176	LF	4/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.16	0.33
26 05 19 16-0177	LF	5/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.18	0.41
26 05 19 16-0178		#12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0169)*		
26 05 19 16-0179	LF	3/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.36	0.33
26 05 19 16-0180	LF	4/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.75	0.33
26 05 19 16-0181	LF	5/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.51	0.41
26 05 19 16-0182		#10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0169)*		
26 05 19 16-0183	LF	3/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.03	0.41
26 05 19 16-0184	LF	4/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.51	0.41
26 05 19 16-0185	LF	5/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.76	0.41

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0186		Multi-Conductor Type W Cord *(26 05 19 16-0013)* Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
26 05 19 16-0187		2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord *(26 05 19 16-0186)*		
26 05 19 16-0188		#8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord *(26 05 19 16-0187)*		
26 05 19 16-0189	LF	3/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	4.26	0.49
26 05 19 16-0190	LF	4/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	4.58	0.57
26 05 19 16-0191	LF	5/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	5.46	0.57
26 05 19 16-0192		#6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord *(26 05 19 16-0187)*		
26 05 19 16-0193	LF	3/c #6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	4.56	0.57
26 05 19 16-0194	LF	4/c #6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	5.45	0.66
26 05 19 16-0195	LF	5/c #6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	6.79	0.82
26 05 19 16-0196		#4, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord *(26 05 19 16-0187)*		
26 05 19 16-0197	LF	3/c #4, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	6.33	0.57
26 05 19 16-0198	LF	4/c #4, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	7.49	0.66
26 05 19 16-0199	LF	5/c #4, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	9.66	0.82
26 05 19 16-0200		Cord Grips, Cable Reels, Extension Cords, And Accessories *(26 05 19 16-0012)*		
26 05 19 16-0201		Cord Grips *(26 05 19 16-0200)*		
26 05 19 16-0202	EA	Cord Grip With Watertight Connector For 1/2" NPT Zinc Plated Steel	51.70	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.96*	
26 05 19 16-0203	EA	Cord Grip With Watertight Connector For 3/4" NPT Zinc Plated Steel	51.90	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.96*	
26 05 19 16-0204		Cable Reels *(26 05 19 16-0200)* Note: Includes handling, mounting, electrical connections and installing cord.		
26 05 19 16-0205	EA	30', 16-3, SJO, Extension Cord Reel (Cox Reels PC10-3016-A)	509.35	41.14
26 05 19 16-0206	EA	50', 10-4, SEOOW, Extension Cord Reel (Reelcraft L 7050 104 X 1)	1,426.90	41.14
26 05 19 16-0207	EA	50', 16-3, SOOW, Extension Cord Reel (KH Industries RTFD3L-WW-B16K)	1,064.20	41.14
26 05 19 16-0208		Extension Cords *(26 05 19 16-0200)*		
26 05 19 16-0209	EA	Extension Cord, 120 Volt 12/3, 100 Ft	86.27	
26 05 19 16-0210	EA	Extension Cord, 240 Volt 10/3, 100 Ft	129.84	
26 05 19 16-0211		Plugs And Connector Bodies *(26 05 19 16-0200)* Note: Up to 277 volts.		
26 05 19 16-0212		NEMA Twist-Lock Plugs *(26 05 19 16-0211)*		
26 05 19 16-0213	EA	15 Amp, 2 Pole 2 Wire, NEMA Twist-Lock Plug	58.37	
26 05 19 16-0214	EA	15 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Plug	59.69	
26 05 19 16-0215	EA	20 Amp, 2 Pole 2 Wire, NEMA Twist-Lock Plug	54.11	
26 05 19 16-0216	EA	20 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Plug	58.20	
26 05 19 16-0217	EA	20 Amp, 3 Pole 4 Wire, NEMA Twist-Lock Plug	77.36	
26 05 19 16-0218	EA	20 Amp, 4 Pole 4 Wire, NEMA Twist-Lock Plug	82.55	
26 05 19 16-0219	EA	20 Amp, 4 Pole 5 Wire, NEMA Twist-Lock Plug	87.63	
26 05 19 16-0220	EA	30 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Plug	78.13	
26 05 19 16-0221	EA	30 Amp, 3 Pole 4 Wire, NEMA Twist-Lock Plug	90.61	
26 05 19 16-0222	EA	30 Amp, 4 Pole 4 Wire, NEMA Twist-Lock Plug	93.04	
26 05 19 16-0223	EA	30 Amp, 4 Pole 5 Wire, NEMA Twist-Lock Plug	96.13	
26 05 19 16-0224		NEMA Twist-Lock Connector Bodies *(26 05 19 16-0211)*		
26 05 19 16-0225	EA	15 Amp, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body	62.12	
26 05 19 16-0226	EA	15 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body	66.81	
26 05 19 16-0227	EA	20 Amp, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body	56.93	
26 05 19 16-0228	EA	20 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body	78.13	
26 05 19 16-0229	EA	20 Amp, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body	91.82	
26 05 19 16-0230	EA	20 Amp, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body	98.45	
26 05 19 16-0231	EA	20 Amp, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body	120.75	
26 05 19 16-0232	EA	30 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body	115.12	
26 05 19 16-0233	EA	30 Amp, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body	143.06	
26 05 19 16-0234	EA	30 Amp, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body	150.46	
26 05 19 16-0235	EA	30 Amp, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body	142.40	
26 05 19 16-0236		Accessories *(26 05 19 16-0200)*		
26 05 19 16-0237	EA	1/2" Straight Steel Cord Connector	35.52	8.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0238	EA	1/2" Straight Nylon Cord Connector	21.88	6.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 19 16-0239	EA	1/2" 90 Degree Steel Cord Connector	41.07	10.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.17*	
26 05 19 16-0240	EA	1/2" 90 Degree Nylon Cord Connector	26.70	8.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 05 19 16-0241	EA	1/2" Straight Steel Cord Connector With Strain Relief Mesh	40.60	10.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.17*	
26 05 19 16-0242	EA	1/2" 90 Degree Steel Cord Connector With Strain Relief Mesh	67.72	12.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.41*	
26 05 19 16-0243	EA	1/2" Straight Nylon Cord Connector With Strain Relief Mesh	26.34	8.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 05 19 16-0244	EA	1/2" 90 Degree Nylon Cord Connector With Strain Relief Mesh	42.81	10.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.17*	
26 05 19 16-0245	EA	3/4" Straight Steel Cord Connector	36.86	8.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 05 19 16-0246	EA	3/4" Straight Nylon Cord Connector	22.55	6.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 19 16-0247	EA	3/4" 90 Degree Steel Cord Connector	45.25	10.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.17*	
26 05 19 16-0248	EA	3/4" 90 Degree Nylon Cord Connector	28.80	8.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 05 19 16-0249	EA	3/4" Straight Steel Cord Connector With Strain Relief Mesh	46.12	12.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.41*	
26 05 19 16-0250	EA	3/4" 90 Degree Steel Cord Connector With Strain Relief Mesh	54.72	14.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.64*	
26 05 19 16-0251	EA	3/4" Straight Nylon Cord Connector With Strain Relief Mesh	31.87	10.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.17*	
26 05 19 16-0252	EA	3/4" 90 Degree Nylon Cord Connector With Strain Relief Mesh	38.45	12.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.41*	
26 05 19 16-0253	EA	1" Straight Steel Cord Connector	45.47	8.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 05 19 16-0254	EA	1" Straight Nylon Cord Connector	26.86	6.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 19 16-0255	EA	1" 90 Degree Steel Cord Connector	50.94	10.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.17*	
26 05 19 16-0256	EA	1" 90 Degree Nylon Cord Connector	31.64	8.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 05 19 16-0257	EA	1" Straight Steel Cord Connector With Strain Relief Mesh	55.16	12.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.41*	
26 05 19 16-0258	EA	1" 90 Degree Steel Cord Connector With Strain Relief Mesh	60.68	14.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.64*	
26 05 19 16-0259	EA	1" Straight Nylon Cord Connector With Strain Relief Mesh	36.46	10.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.17*	
26 05 19 16-0260	EA	1" 90 Degree Nylon Cord Connector With Strain Relief Mesh	42.33	12.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.41*	

26 05 19 16-0261 600 Volt Wire *(26 05 19 16-0011)*

26 05 19 16-0262 Single Solid Conductor, Copper *(26 05 19 16-0261)*

26 05 19 16-0263	MLF	#14 AWG Cable - Type THHN-THWN, 600 Volt Copper, Single Solid, Placed In Conduit	442.39	182.59
26 05 19 16-0264	MLF	#12 AWG Cable - Type THHN-THWN, 600 Volt Copper, Single Solid, Placed In Conduit	550.86	214.79
26 05 19 16-0265	MLF	#10 AWG Cable - Type THHN-THWN, 600 Volt Copper, Single Solid, Placed In Conduit	676.82	262.64
26 05 19 16-0266	MLF	#14 AWG Cable - Type XHHW, 600 Volt Copper, Single Solid, Placed In Conduit	579.96	182.59
26 05 19 16-0267	MLF	#12 AWG Cable - Type XHHW, 600 Volt Copper, Single Solid, Placed In Conduit	700.61	214.79
26 05 19 16-0268	MLF	#10 AWG Cable - Type XHHW, 600 Volt Copper, Single Solid, Placed In Conduit	839.96	262.64

26 05 19 16-0269 Power Cable, Stranded Conductor, Copper *(26 05 19 16-0261)*

26 05 19 16-0270 Power Cable, Stranded, Single Conductor, XHHW *(26 05 19 16-0269)*

26 05 19 16-0271	MLF	#16 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	462.66	150.47
26 05 19 16-0272	MLF	#14 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	547.04	180.56
26 05 19 16-0273	MLF	#12 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	670.02	210.66
26 05 19 16-0274	MLF	#10 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	819.07	240.74
26 05 19 16-0275	MLF	#8 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	1,085.94	300.93
26 05 19 16-0276	MLF	#6 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	1,454.37	361.11
26 05 19 16-0277	MLF	#4 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	1,979.05	451.40
26 05 19 16-0278	MLF	#3 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	2,335.28	511.58
26 05 19 16-0279	MLF	#2 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	2,755.66	571.77
26 05 19 16-0280	MLF	#1 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	3,394.69	631.96
26 05 19 16-0281	MLF	1/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	4,062.85	722.24
26 05 19 16-0282	MLF	2/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	4,852.26	812.51
26 05 19 16-0283	MLF	3/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	5,788.53	902.80
26 05 19 16-0284	MLF	4/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	6,911.92	993.08
26 05 19 16-0285	MLF	250 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	7,333.61	1,083.35
26 05 19 16-0286	MLF	300 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	8,664.89	1,173.64
26 05 19 16-0287	MLF	350 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	9,246.78	1,263.91
26 05 19 16-0288	MLF	400 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	10,326.54	1,354.19
26 05 19 16-0289	MLF	500 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	11,923.20	1,444.48
26 05 19 16-0290	MLF	600 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	13,703.84	1,564.85
26 05 19 16-0291	MLF	750 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	20,654.59	1,745.41

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0292	MLF	1,000 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	29,017.73	2,046.34
26 05 19 16-0293		**Power Cable, Stranded, Multi Conductor, XHHW** *(26 05 19 16-0269)*		
26 05 19 16-0294	MLF	2/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	1,094.08	361.04
26 05 19 16-0295	MLF	3/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	1,340.19	421.38
26 05 19 16-0296	MLF	4/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	1,661.60	511.58
26 05 19 16-0297	MLF	6/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	1,965.05	556.50
26 05 19 16-0298	MLF	7/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	2,109.26	586.74
26 05 19 16-0299	MLF	9/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	2,477.85	646.85
26 05 19 16-0300	MLF	10/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	1,781.15	674.23
26 05 19 16-0301	MLF	12/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	2,990.94	737.29
26 05 19 16-0302	MLF	14/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	3,295.36	782.58
26 05 19 16-0303	MLF	24/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	4,778.28	993.15
26 05 19 16-0304	MLF	37/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	7,225.20	1,474.57
26 05 19 16-0305	MLF	2/c #12 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	1,340.23	421.38
26 05 19 16-0306	MLF	3/c #12 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	1,709.21	511.58
26 05 19 16-0307	MLF	4/c #12 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	2,078.23	601.87
26 05 19 16-0308	MLF	2/c #10 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	1,788.01	541.45
26 05 19 16-0309	MLF	3/c #10 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	2,305.32	661.45
26 05 19 16-0310	MLF	4/c #10 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	2,975.69	842.76
26 05 19 16-0311	MLF	6/c #10 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	4,012.53	1,083.73
26 05 19 16-0312	MLF	9/c #10 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	5,415.69	1,384.36
26 05 19 16-0313	MLF	2/c #8 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	2,209.49	616.91
26 05 19 16-0314	MLF	3/c #8 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	2,806.41	722.24
26 05 19 16-0315	MLF	4/c #8 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	3,629.03	917.85
26 05 19 16-0316	MLF	2/c #6 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	2,833.58	692.14
26 05 19 16-0317	MLF	3/c #6 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	3,798.85	857.66
26 05 19 16-0318	MLF	4/c #6 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	4,850.73	1,057.78
26 05 19 16-0319	MLF	2/c #4 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	3,800.44	839.75
26 05 19 16-0320	MLF	3/c #4 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	4,952.96	960.50
26 05 19 16-0321	MLF	4/c #4 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	6,398.72	1,198.61
26 05 19 16-0322	MLF	2/c #2 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	5,209.62	1,022.87
26 05 19 16-0323	MLF	3/c #2 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	6,838.29	1,143.84
26 05 19 16-0324	MLF	4/c #2 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	9,066.59	1,504.66
26 05 19 16-0325	MLF	3/c #1 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	9,054.95	1,444.25
26 05 19 16-0326	MLF	4/c #1 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	11,771.24	1,804.84
26 05 19 16-0327	MLF	3/c #1/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	10,684.56	1,565.15
26 05 19 16-0328	MLF	3/c #2/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	12,974.96	1,804.84
26 05 19 16-0329	MLF	3/c #3/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	15,858.66	2,105.62
26 05 19 16-0330	MLF	4/c #3/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	20,894.22	2,707.26
26 05 19 16-0331	MLF	3/c #4/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	19,311.48	2,409.49
26 05 19 16-0332	MLF	3/c 250 MCM Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	20,643.70	2,707.26
26 05 19 16-0333	MLF	3/c 350 MCM Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	25,784.25	3,009.32
26 05 19 16-0334	MLF	3/c 500 MCM Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	33,204.53	3,307.39
26 05 19 16-0335		**Underground Feeder And Branch Circuit Suitable, Single Stranded Copper** *(26 05 19 16-0261)* Note: Direct bury.		
26 05 19 16-0336	MLF	#10 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	986.04	
26 05 19 16-0337	MLF	#8 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	1,419.31	
26 05 19 16-0338	MLF	#6 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	1,902.41	
26 05 19 16-0339	MLF	#4 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	2,252.27	
26 05 19 16-0340	MLF	#2 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	3,113.25	
26 05 19 16-0341	MLF	#1 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	3,937.26	
26 05 19 16-0342	MLF	#1/0 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	4,508.37	
26 05 19 16-0343	MLF	#2/0 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	5,342.42	
26 05 19 16-0344	MLF	#3/0 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	6,366.82	
26 05 19 16-0345	MLF	#4/0 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	7,356.60	
26 05 19 16-0346	MLF	250 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	10,309.94	
26 05 19 16-0347	MLF	300 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	11,970.15	
26 05 19 16-0348	MLF	350 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	13,411.86	
26 05 19 16-0349	MLF	400 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	15,300.60	
26 05 19 16-0350	MLF	500 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	19,392.47	
26 05 19 16-0351	MLF	750 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	22,957.67	
26 05 19 16-0352	MLF	#14 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	691.71	
26 05 19 16-0353	MLF	#12 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	848.29	
26 05 19 16-0354	MLF	#10 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	1,053.13	
26 05 19 16-0355	MLF	#8 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	1,273.38	
26 05 19 16-0356	MLF	#6 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	1,722.41	
26 05 19 16-0357	MLF	#4 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	2,384.45	
26 05 19 16-0358	MLF	#2 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	3,371.51	
26 05 19 16-0359	MLF	#1 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	4,134.48	
26 05 19 16-0360	MLF	#1/0 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	4,657.58	
26 05 19 16-0361	MLF	#2/0 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	5,254.23	
26 05 19 16-0362	MLF	#3/0 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	6,240.83	
26 05 19 16-0363	MLF	#4/0 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	7,495.22	
26 05 19 16-0364	MLF	250 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	8,642.26	
26 05 19 16-0365	MLF	300 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	9,868.31	
26 05 19 16-0366	MLF	350 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	11,224.20	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0367	MLF	400 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	12,636.62	
26 05 19 16-0368	MLF	500 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	15,150.99	
26 05 19 16-0369	MLF	750 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	27,524.72	
26 05 19 16-0370	MLF	#14 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	458.43	
26 05 19 16-0371	MLF	#12 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	569.10	
26 05 19 16-0372	MLF	#10 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	703.44	
26 05 19 16-0373	MLF	#8 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	984.86	
26 05 19 16-0374	MLF	#6 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	1,336.43	
26 05 19 16-0375	MLF	#4 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	1,762.29	
26 05 19 16-0376	MLF	#2 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	2,513.16	
26 05 19 16-0377	MLF	#1 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	2,990.24	
26 05 19 16-0378	MLF	#1/0 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	3,478.41	
26 05 19 16-0379	MLF	#2/0 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	3,945.22	
26 05 19 16-0380	MLF	#3/0 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	4,674.09	
26 05 19 16-0381	MLF	#4/0 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	5,564.19	
26 05 19 16-0382	MLF	250 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	6,526.47	
26 05 19 16-0383	MLF	300 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	7,528.75	
26 05 19 16-0384	MLF	350 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	8,605.47	
26 05 19 16-0385	MLF	400 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	9,644.63	
26 05 19 16-0386	MLF	500 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	11,439.60	
26 05 19 16-0387	MLF	600 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	14,244.54	
26 05 19 16-0388	MLF	750 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	21,651.95	
26 05 19 16-0389	MLF	#2 AWG Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	4,206.44	
26 05 19 16-0390	MLF	#1/0 AWG Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	6,073.35	
26 05 19 16-0391	MLF	#2/0 AWG Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	6,739.44	
26 05 19 16-0392	MLF	#3/0 AWG Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	7,661.88	
26 05 19 16-0393	MLF	#4/0 AWG Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	8,518.89	
26 05 19 16-0394	MLF	250 MCM Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	9,175.98	
26 05 19 16-0395	MLF	350 MCM Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	13,257.43	
26 05 19 16-0396	MLF	400 MCM Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	14,419.49	
26 05 19 16-0397	MLF	500 MCM Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	16,480.00	

26 05 19 16-0398 600 Volt, Armored Cable, Copper Conductors *(26 05 19 16-0261)*

26 05 19 16-0399 ACTHH, Solid *(26 05 19 16-0398)*

26 05 19 16-0400	MLF	#8 AWG Cable - Type ACT, 1 Conductor, Solid	1,769.37	493.75
26 05 19 16-0401	MLF	#6 AWG Cable - Type ACT, 1 Conductor, Solid	2,040.95	559.59
26 05 19 16-0402	MLF	#4 AWG Cable - Type ACT, 1 Conductor, Solid	2,336.73	592.51
26 05 19 16-0403	MLF	#14 AWG Cable - Type ACTHH, 2 Conductors, Solid	2,548.57	822.92
26 05 19 16-0404	MLF	#12 AWG Cable - Type ACTHH, 2 Conductors, Solid	2,729.47	921.51
26 05 19 16-0405	MLF	#10 AWG Cable - Type ACTHH, 2 Conductors, Solid	3,459.73	1,021.00
26 05 19 16-0406	MLF	#8 AWG Cable - Type ACTHH, 2 Conductors, Solid	4,528.03	1,119.58
26 05 19 16-0407	MLF	#14 AWG Cable - Type ACTHH, 3 Conductors, Solid	3,083.80	921.51
26 05 19 16-0408	MLF	#12 AWG Cable - Type ACTHH, 3 Conductors, Solid	3,229.10	1,021.00
26 05 19 16-0409	MLF	#10 AWG Cable - Type ACTHH, 3 Conductors, Solid	4,133.46	1,152.59
26 05 19 16-0410	MLF	#8 AWG Cable - Type ACTHH, 3 Conductors, Solid	5,376.26	1,250.68
26 05 19 16-0411	MLF	#14 AWG Cable - Type ACTHH, 4 Conductors, Solid	3,679.34	1,021.00
26 05 19 16-0412	MLF	#12 AWG Cable - Type ACTHH, 4 Conductors, Solid	4,030.84	1,152.59
26 05 19 16-0413	MLF	#10 AWG Cable - Type ACTHH, 4 Conductors, Solid	5,134.18	1,283.84
26 05 19 16-0414	MLF	#8 AWG Cable - Type ACTHH, 4 Conductors, Solid	6,667.90	1,383.09

26 05 19 16-0415 ACTHH, Stranded *(26 05 19 16-0398)*

26 05 19 16-0416	MLF	#8 AWG Cable - Type ACTHH, 2 Conductors, Stranded	4,693.38	1,185.75
26 05 19 16-0417	MLF	#6 AWG Cable - Type ACTHH, 2 Conductors, Stranded	5,727.65	1,349.02
26 05 19 16-0418	MLF	#8 AWG Cable - Type ACTHH, 3 Conductors, Stranded	5,541.34	1,316.68
26 05 19 16-0419	MLF	#6 AWG Cable - Type ACTHH, 3 Conductors, Stranded	6,957.66	1,480.11
26 05 19 16-0420	MLF	#4 AWG Cable - Type ACTHH, 3 Conductors, Stranded	8,815.73	1,645.84
26 05 19 16-0421	MLF	#3 AWG Cable - Type ACTHH, 3 Conductors, Stranded	10,139.50	1,808.62
26 05 19 16-0422	MLF	#2 AWG Cable - Type ACTHH, 3 Conductors, Stranded	11,623.69	1,973.45
26 05 19 16-0423	MLF	#8 AWG Cable - Type ACTHH, 4 Conductors, Stranded	7,159.01	1,579.52
26 05 19 16-0424	MLF	#6 AWG Cable - Type ACTHH, 4 Conductors, Stranded	8,675.97	1,743.44
26 05 19 16-0425	MLF	#4 AWG Cable - Type ACTHH, 4 Conductors, Stranded	11,178.11	1,909.34
26 05 19 16-0426	MLF	#3 AWG Cable - Type ACTHH, 4 Conductors, Stranded	12,251.26	2,072.86
26 05 19 16-0427	MLF	#2 AWG Cable - Type ACTHH, 4 Conductors, Stranded	14,547.41	2,236.21

26 05 19 16-0428 HCFC, Solid *(26 05 19 16-0398)*

26 05 19 16-0429	MLF	#14 AWG Cable - Type HCF, 2 Conductors, Solid	2,857.14	822.92
26 05 19 16-0430	MLF	#12 AWG Cable - Type HCF, 2 Conductors, Solid	3,127.14	924.63
26 05 19 16-0431	MLF	#10 AWG Cable - Type HCF, 2 Conductors, Solid	3,496.23	1,015.98
26 05 19 16-0432	MLF	#14 AWG Cable - Type HCF, 3 Conductors, Solid	3,467.19	924.63
26 05 19 16-0433	MLF	#12 AWG Cable - Type HCF, 3 Conductors, Solid	3,718.75	1,015.98
26 05 19 16-0434	MLF	#10 AWG Cable - Type HCF, 3 Conductors, Solid	4,872.20	1,159.08
26 05 19 16-0435	MLF	#14 AWG Cable - Type HCF, 4 Conductors, Solid	4,266.12	1,015.98
26 05 19 16-0436	MLF	#12 AWG Cable - Type HCF, 4 Conductors, Solid	4,658.74	1,159.08

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0437		MLF	#10 AWG Cable - Type HCF, 4 Conductors, Solid	6,383.76	1,285.82
26 05 19 16-0438			**MC, Solid Or Stranded, Galvanized Steel Armor** *(26 05 19 16-0398)*		
26 05 19 16-0439		MLF	#14 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor	2,573.70	822.92
26 05 19 16-0440		MLF	#12 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor	2,873.22	924.63
26 05 19 16-0441		MLF	#10 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor	3,479.02	1,015.98
26 05 19 16-0442		MLF	#8 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor	4,505.66	1,085.68
26 05 19 16-0443		MLF	#6 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor	5,663.10	1,150.93
26 05 19 16-0444		MLF	#14 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor	2,979.44	924.63
26 05 19 16-0445		MLF	#12 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor	3,368.86	1,015.98
26 05 19 16-0446		MLF	#10 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor	4,315.96	1,159.08
26 05 19 16-0447		MLF	#8 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor	5,676.89	1,250.68
26 05 19 16-0448		MLF	#6 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor	6,669.26	1,349.02
26 05 19 16-0449		MLF	#4 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor	8,312.21	1,448.84
26 05 19 16-0450		MLF	#2 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor	10,735.80	1,546.85
26 05 19 16-0451		MLF	#14 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	3,469.38	1,015.98
26 05 19 16-0452		MLF	#12 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	3,975.83	1,159.08
26 05 19 16-0453		MLF	#10 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	6,134.30	1,285.82
26 05 19 16-0454		MLF	#8 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	8,409.79	1,416.41
26 05 19 16-0455		MLF	#6 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	10,337.59	1,515.50
26 05 19 16-0456		MLF	#4 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	13,747.96	1,613.59
26 05 19 16-0457		MLF	#2 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	17,864.59	1,710.86
26 05 19 16-0458			**MC, Solid Or Stranded, Aluminum Armor** *(26 05 19 16-0398)*		
26 05 19 16-0459		MLF	#14 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Aluminum Armor	2,550.84	822.92
26 05 19 16-0460		MLF	#12 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Aluminum Armor	2,813.94	924.63
26 05 19 16-0461		MLF	#10 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Aluminum Armor	3,426.60	1,015.98
26 05 19 16-0462		MLF	#14 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Aluminum Armor	3,074.91	924.63
26 05 19 16-0463		MLF	#12 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Aluminum Armor	3,316.20	1,015.98
26 05 19 16-0464		MLF	#10 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Aluminum Armor	4,274.32	1,159.08
26 05 19 16-0465		MLF	#14 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Aluminum Armor	3,923.25	1,015.98
26 05 19 16-0466		MLF	#12 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Aluminum Armor	4,304.79	1,159.08
26 05 19 16-0467		MLF	#10 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Aluminum Armor	6,134.30	1,285.82
26 05 19 16-0468			**FPLP Solid TFN Red Armored Cable** *(26 05 19 16-0398)* Note: Color coded red.		
26 05 19 16-0469		MLF	#18/2 With Bare #18 Ground Type TFN FPLP Red Armored Cable	2,410.78	625.42
26 05 19 16-0470		MLF	#18/4 With Bare #18 Ground Type TFN FPLP Red Armored Cable	2,743.50	724.17
26 05 19 16-0471		MLF	#18/6 With Bare #18 Ground Type TFN FPLP Red Armored Cable	3,369.81	822.92
26 05 19 16-0472		MLF	#18/8 With Bare #18 Ground Type TFN FPLP Red Armored Cable	3,855.91	921.68
26 05 19 16-0473		MLF	#16/2 With Bare #16 Ground Type TFN FPLP Red Armored Cable	2,749.09	724.17
26 05 19 16-0474		MLF	#16/4 With Bare #16 Ground Type TFN FPLP Red Armored Cable	3,235.71	822.92
26 05 19 16-0475		MLF	#16/6 With Bare #16 Ground Type TFN FPLP Red Armored Cable	4,016.93	921.68
26 05 19 16-0476		MLF	#16/8 With Bare #16 Ground Type TFN FPLP Red Armored Cable	4,557.90	1,020.42
26 05 19 16-0477			**FPLP Solid THHN Red Armored Cable** *(26 05 19 16-0398)* Note: Color coded red.		
26 05 19 16-0478		MLF	#14/2 With #14 Ground Type THHN FPLP Red Armored Cable	3,061.49	822.92
26 05 19 16-0479		MLF	#14/4 With #14 Ground Type THHN FPLP Red Armored Cable	3,759.91	921.68
26 05 19 16-0480		MLF	#14/6 With #14 Ground Type THHN FPLP Red Armored Cable	4,917.01	1,020.42
26 05 19 16-0481		MLF	#14/8 With #14 Ground Type THHN FPLP Red Armored Cable	5,674.36	1,119.17
26 05 19 16-0482		MLF	#12/2 With #12 Ground Type THHN FPLP Red Armored Cable	3,813.75	921.68
26 05 19 16-0483		MLF	#12/4 With #12 Ground Type THHN FPLP Red Armored Cable	4,621.90	1,020.42
26 05 19 16-0484			**FPLP Twisted Shielded Pair Red Armored Cable** *(26 05 19 16-0398)* Note: Color coded red.		
26 05 19 16-0485		MLF	#18/2 With #18 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	2,593.64	625.42
26 05 19 16-0486		MLF	#18/2 With #18 Tinned Ground And #14/2 With #14 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	4,122.58	921.68
26 05 19 16-0487		MLF	#16/2 With #16 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	3,171.18	724.17
26 05 19 16-0488		MLF	#16/4 With Two #16 Tinned Grounds FPLP Twisted Shielded Pair Red Armored Cable	3,732.47	822.92
26 05 19 16-0489		MLF	#16/2 With #16 Tinned Ground And #12/2 With #12 Ground FPLP Twisted Shielded Pair Red Armored Cable	5,138.97	1,020.42
26 05 19 16-0490		MLF	#14/2 With One #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable	3,717.73	855.84
26 05 19 16-0491		MLF	#14/4 With Two #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable	4,563.98	987.51
26 05 19 16-0492			**Armored Cable Connectors** *(26 05 19 16-0398)*		
26 05 19 16-0493		EA	3/4" Armored Cable Connector	4.89	1.80
			For Work In Restricted Working Space, Add	*1.35*	
			For Installation Above 14', Add	*0.68*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.35*	
26 05 19 16-0494		EA	1" Armored Cable Connector	5.77	2.11
			For Work In Restricted Working Space, Add	*1.58*	
			For Installation Above 14', Add	*0.79*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0495	EA	1-1/4" Armored Cable Connector	8.19	3.01
		For Work In Restricted Working Space, Add	*2.26*	
		For Installation Above 14', Add	*1.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.26*	
26 05 19 16-0496		**600 Volt, Feeder Wire, Single Stranded Copper** *(26 05 19 16-0261)*		
26 05 19 16-0497	MLF	#14 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	606.49	120.60
		For EPR Insulation, Add	*23.26*	
		For Hypalon (CSPE) Jacket, Add	*54.28*	
26 05 19 16-0498	MLF	#12 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	684.72	133.54
		For EPR Insulation, Add	*23.71*	
		For Hypalon (CSPE) Jacket, Add	*55.33*	
26 05 19 16-0499	MLF	#10 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	832.69	166.94
		For EPR Insulation, Add	*34.62*	
		For Hypalon (CSPE) Jacket, Add	*80.79*	
26 05 19 16-0500	MLF	#8 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	1,131.79	265.58
		For EPR Insulation, Add	*56.92*	
		For Hypalon (CSPE) Jacket, Add	*132.81*	
26 05 19 16-0501	MLF	#6 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	1,540.44	318.68
		For EPR Insulation, Add	*95.65*	
		For Hypalon (CSPE) Jacket, Add	*223.17*	
26 05 19 16-0502	MLF	#4 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	2,093.16	370.00
		For EPR Insulation, Add	*144.70*	
		For Hypalon (CSPE) Jacket, Add	*337.63*	
26 05 19 16-0503	MLF	#3 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	2,387.60	423.49
		For EPR Insulation, Add	*166.30*	
		For Hypalon (CSPE) Jacket, Add	*388.02*	
26 05 19 16-0504	MLF	#2 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	2,996.18	476.97
		For EPR Insulation, Add	*235.01*	
		For Hypalon (CSPE) Jacket, Add	*548.36*	
26 05 19 16-0505	MLF	#1 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	3,696.83	531.22
		For EPR Insulation, Add	*317.54*	
		For Hypalon (CSPE) Jacket, Add	*740.93*	
26 05 19 16-0506	MLF	#1/0 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	4,449.50	599.31
		For EPR Insulation, Add	*396.59*	
		For Hypalon (CSPE) Jacket, Add	*925.37*	
26 05 19 16-0507	MLF	#2/0 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	5,354.75	664.61
		For EPR Insulation, Add	*498.52*	
		For Hypalon (CSPE) Jacket, Add	*1,163.21*	
26 05 19 16-0508	MLF	#3/0 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	6,410.05	741.95
		For EPR Insulation, Add	*622.96*	
		For Hypalon (CSPE) Jacket, Add	*1,453.57*	
26 05 19 16-0509	MLF	#4/0 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	7,225.48	824.93
		For EPR Insulation, Add	*711.42*	
		For Hypalon (CSPE) Jacket, Add	*1,659.97*	
26 05 19 16-0510	MLF	250 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	7,699.62	904.75
		For EPR Insulation, Add	*748.68*	
		For Hypalon (CSPE) Jacket, Add	*1,746.93*	
26 05 19 16-0511	MLF	300 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	9,064.99	994.58
		For EPR Insulation, Add	*919.64*	
		For Hypalon (CSPE) Jacket, Add	*2,145.82*	
26 05 19 16-0512	MLF	350 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	10,103.31	1,054.39
		For EPR Insulation, Add	*1,041.53*	
		For Hypalon (CSPE) Jacket, Add	*2,430.23*	
26 05 19 16-0513	MLF	400 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	11,307.69	1,178.45
		For EPR Insulation, Add	*1,188.33*	
		For Hypalon (CSPE) Jacket, Add	*2,772.77*	
26 05 19 16-0514	MLF	500 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	12,900.75	1,310.63
		For EPR Insulation, Add	*1,393.43*	
		For Hypalon (CSPE) Jacket, Add	*3,251.35*	
26 05 19 16-0515	MLF	600 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	15,079.92	1,363.60
		For EPR Insulation, Add	*1,675.17*	
		For Hypalon (CSPE) Jacket, Add	*3,908.73*	
26 05 19 16-0516	MLF	750 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	24,306.89	1,416.49
		For EPR Insulation, Add	*2,991.51*	
		For Hypalon (CSPE) Jacket, Add	*6,980.18*	
26 05 19 16-0517	MLF	1,000 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	30,540.28	1,513.54
		For EPR Insulation, Add	*3,881.37*	
		For Hypalon (CSPE) Jacket, Add	*9,056.54*	
26 05 19 16-0518	MLF	#16 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit	1,064.44	270.69
26 05 19 16-0519	MLF	#14 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit	1,327.70	300.93
26 05 19 16-0520	MLF	#12 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit	1,664.90	361.42
26 05 19 16-0521	MLF	#10 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit	1,973.24	421.15
26 05 19 16-0522	MLF	#8 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit	2,923.99	450.95
26 05 19 16-0523	MLF	#18 AWG Cable - Type TFFN 600 Volt Copper, Single Stranded, Placed In Conduit	346.94	150.47
26 05 19 16-0524	MLF	#16 AWG Cable - Type TFFN 600 Volt Copper, Single Stranded, Placed In Conduit	432.78	165.51
26 05 19 16-0525	MLF	#14 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	458.43	120.67
26 05 19 16-0526	MLF	#12 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	569.10	143.84
26 05 19 16-0527	MLF	#10 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	703.46	180.94
26 05 19 16-0528	MLF	#8 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	984.86	238.49
26 05 19 16-0529	MLF	#6 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	1,336.43	288.00
26 05 19 16-0530	MLF	#4 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	1,762.29	340.35
26 05 19 16-0531	MLF	#3 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	2,104.77	385.27

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0532	MLF	#2 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	2,513.16	431.46
26 05 19 16-0533	MLF	#1 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	2,990.24	486.91
26 05 19 16-0534	MLF	#1/0 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	3,478.41	533.18
26 05 19 16-0535	MLF	#2/0 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	3,945.22	589.22
26 05 19 16-0536	MLF	#3/0 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	4,674.09	623.23
26 05 19 16-0537	MLF	#4/0 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	5,564.19	701.17
26 05 19 16-0538	MLF	250 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	6,526.47	745.93
26 05 19 16-0539	MLF	300 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	7,528.75	844.80
26 05 19 16-0540	MLF	350 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	8,605.48	934.92
26 05 19 16-0541	MLF	400 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	9,644.64	960.50
26 05 19 16-0542	MLF	500 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	11,439.60	1,016.17
26 05 19 16-0543	MLF	600 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	14,169.31	1,195.82
26 05 19 16-0544	MLF	750 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	21,651.94	1,416.49
26 05 19 16-0545	MLF	1,000 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	25,933.46	1,710.20
26 05 19 16-0546	MLF	#16 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit	1,788.00	361.42
26 05 19 16-0547	MLF	#14 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit	1,991.44	421.15
26 05 19 16-0548	MLF	#12 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit	2,306.18	481.87
26 05 19 16-0549	MLF	#10 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit	2,979.18	541.45
26 05 19 16-0550	MLF	#8 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit	3,373.42	601.87
26 05 19 16-0551	MLF	#6 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit	4,279.99	661.45
26 05 19 16-0552		600 Volt, Feeder Wire, Single Stranded Aluminum *(26 05 19 16-0261)*		
26 05 19 16-0553	MLF	#6 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	1,273.04	236.63
26 05 19 16-0554	MLF	#4 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	1,532.20	275.16
26 05 19 16-0555	MLF	#2 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	2,028.25	353.21
26 05 19 16-0556	MLF	#1 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	2,658.96	394.42
26 05 19 16-0557	MLF	#1/0 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	3,118.80	444.37
26 05 19 16-0558	MLF	#2/0 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	3,601.35	490.46
26 05 19 16-0559	MLF	#3/0 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	4,329.79	553.51
26 05 19 16-0560	MLF	#4/0 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	4,806.18	610.67
26 05 19 16-0561	MLF	250 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	5,678.30	671.32
26 05 19 16-0562	MLF	300 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	7,353.49	730.05
26 05 19 16-0563	MLF	350 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	7,591.55	788.76
26 05 19 16-0564	MLF	400 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	8,761.41	877.33
26 05 19 16-0565	MLF	500 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	9,659.00	965.85
26 05 19 16-0566	MLF	600 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	11,993.20	1,125.11
26 05 19 16-0567	MLF	700 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	13,679.13	1,233.43
26 05 19 16-0568	MLF	750 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	13,905.33	1,279.16
26 05 19 16-0569	MLF	1,000 MCM Cable - Type THHN-THWN, 600 Volt, Aluminum, Single Stranded, Placed In Conduit	19,818.12	1,551.68
26 05 19 16-0570	MLF	#8 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	1,173.13	267.15
26 05 19 16-0571	MLF	#6 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	1,384.87	300.93
26 05 19 16-0572	MLF	#4 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	1,709.23	370.22
26 05 19 16-0573	MLF	#2 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	2,197.68	453.80
26 05 19 16-0574	MLF	#1 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	2,888.48	534.23
26 05 19 16-0575	MLF	1/0 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	3,369.05	602.09
26 05 19 16-0576	MLF	2/0 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	3,876.65	668.75
26 05 19 16-0577	MLF	3/0 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	4,558.60	729.61
26 05 19 16-0578	MLF	4/0 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	4,985.37	776.48
26 05 19 16-0579	MLF	250 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	5,789.91	830.80
26 05 19 16-0580	MLF	300 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	7,357.57	890.38
26 05 19 16-0581	MLF	350 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	7,620.86	961.85
26 05 19 16-0582	MLF	400 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	8,718.95	1,048.89
26 05 19 16-0583	MLF	500 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	9,733.79	1,203.73
26 05 19 16-0584	MLF	600 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	11,688.67	1,266.78
26 05 19 16-0585	MLF	700 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	13,174.04	1,335.54
26 05 19 16-0586	MLF	750 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	13,487.58	1,419.34
26 05 19 16-0587	MLF	1,000 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	19,767.87	1,989.16
26 05 19 16-0588	MLF	#6 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	925.53	300.93
26 05 19 16-0589	MLF	#4 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	1,147.96	370.15
26 05 19 16-0590	MLF	#2 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	1,423.07	454.41
26 05 19 16-0591	MLF	#1 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	1,738.71	531.22
26 05 19 16-0592	MLF	#1/0 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	1,963.39	599.31
26 05 19 16-0593	MLF	#2/0 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	2,205.88	664.61
26 05 19 16-0594	MLF	#3/0 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	2,506.97	729.61
26 05 19 16-0595	MLF	#4/0 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	2,713.20	776.48
26 05 19 16-0596	MLF	250 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	3,015.93	830.27
26 05 19 16-0597	MLF	300 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	3,515.40	891.51
26 05 19 16-0598	MLF	350 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	3,743.98	963.13
26 05 19 16-0599	MLF	400 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	4,120.67	1,046.49
26 05 19 16-0600	MLF	500 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	4,741.32	1,203.73
26 05 19 16-0601	MLF	600 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	5,286.31	1,263.39
26 05 19 16-0602	MLF	700 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	5,783.50	1,335.54
26 05 19 16-0603	MLF	750 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	6,041.67	1,415.06
26 05 19 16-0604		Non-Metallic Sheathed Cable *(26 05 19 16-0261)*		
26 05 19 16-0605		Indoor Installation *(26 05 19 16-0604)*		

Note: For NM, NM-B, NMC-B and NMS-B.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0606	MLF	#14-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	1,677.54	571.70
		For Installation In Wood Stud Wall (Includes Drilling), Add	*214.38*	
26 05 19 16-0607	MLF	#14-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	2,067.74	692.14
		For Installation In Wood Stud Wall (Includes Drilling), Add	*259.57*	
26 05 19 16-0608	MLF	#12-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	1,862.67	650.01
		For Installation In Wood Stud Wall (Includes Drilling), Add	*231.34*	
26 05 19 16-0609	MLF	#12-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	2,300.24	722.09
		For Installation In Wood Stud Wall (Includes Drilling), Add	*270.79*	
26 05 19 16-0610	MLF	#10-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	2,335.53	722.46
		For Installation In Wood Stud Wall (Includes Drilling), Add	*270.93*	
26 05 19 16-0611	MLF	#10-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	2,874.48	842.76
		For Installation In Wood Stud Wall (Includes Drilling), Add	*316.03*	
26 05 19 16-0612	MLF	#8-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	3,000.32	865.18
		For Installation In Wood Stud Wall (Includes Drilling), Add	*308.08*	
26 05 19 16-0613	MLF	#8-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	3,911.32	1,045.74
		For Installation In Wood Stud Wall (Includes Drilling), Add	*372.41*	
26 05 19 16-0614	MLF	#6-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	3,622.53	985.55
		For Installation In Wood Stud Wall (Includes Drilling), Add	*349.83*	
26 05 19 16-0615	MLF	#6-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	4,686.43	1,188.69
		For Installation In Wood Stud Wall (Includes Drilling), Add	*423.18*	
26 05 19 16-0616	MLF	#4-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	6,128.11	1,309.06
		For Installation In Wood Stud Wall (Includes Drilling), Add	*465.50*	
26 05 19 16-0617	MLF	#2-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	8,612.17	1,421.90
		For Installation In Wood Stud Wall (Includes Drilling), Add	*507.82*	

26 05 19 16-0618 Direct Burial Cable *(26 05 19 16-0604)*

Note: Excludes trench and backfill. For NM, NM-B, NMC-B and NMS-B. Copper.

26 05 19 16-0619	MLF	#14-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	1,767.16	
26 05 19 16-0620	MLF	#14-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	2,241.36	
26 05 19 16-0621	MLF	#12-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	2,236.80	
26 05 19 16-0622	MLF	#12-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	2,627.00	
26 05 19 16-0623	MLF	#10-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	2,486.59	
26 05 19 16-0624	MLF	#10-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	3,127.55	
26 05 19 16-0625	MLF	#8-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	3,333.04	
26 05 19 16-0626	MLF	#8-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	4,213.15	
26 05 19 16-0627	MLF	#6-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	4,291.17	
26 05 19 16-0628	MLF	#6-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	5,110.50	

26 05 19 16-0629 SEU Cable Copper, 3 Conductor *(26 05 19 16-0604)*

26 05 19 16-0630	MLF	12-12-12 Cable SEU Copper	2,145.80	724.42
26 05 19 16-0631	MLF	10-10-10 Cable SEU Copper	2,655.81	822.92
26 05 19 16-0632	MLF	8-8-8 Cable SEU Copper	3,260.45	921.51
26 05 19 16-0633	MLF	6-6-8 Cable SEU Copper	3,883.87	987.92
26 05 19 16-0634	MLF	6-6-6 Cable SEU Copper	4,160.07	1,021.00
26 05 19 16-0635	MLF	4-4-6 Cable SEU Copper	5,017.82	1,119.58
26 05 19 16-0636	MLF	4-4-4 Cable SEU Copper	5,383.79	1,152.59
26 05 19 16-0637	MLF	3-3-5 Cable SEU Copper	6,229.71	1,250.68
26 05 19 16-0638	MLF	3-3-3 Cable SEU Copper	6,612.05	1,316.68
26 05 19 16-0639	MLF	2-2-4 Cable SEU Copper	7,053.49	1,383.09
26 05 19 16-0640	MLF	2-2-2 Cable SEU Copper	7,528.54	1,448.84
26 05 19 16-0641	MLF	1-1-1 Cable SEU Copper	9,161.56	1,645.84
26 05 19 16-0642	MLF	1/0-1/0-1/0 Cable SEU Copper	10,855.21	1,845.16
26 05 19 16-0643	MLF	2/0-2/0-2/0 Cable SEU Copper	13,011.44	2,078.12
26 05 19 16-0644	MLF	3/0-3/0-3/0 Cable SEU Copper	15,575.26	2,311.59
26 05 19 16-0645	MLF	4/0-4/0-4/0 Cable SEU Copper	17,404.69	2,579.69

26 05 19 16-0646 SEU Cable Aluminum, 3 Conductor *(26 05 19 16-0604)*

26 05 19 16-0647	MLF	8-8-8 Cable SEU Aluminum	3,386.85	924.63
26 05 19 16-0648	MLF	6-6-6 Cable SEU Aluminum	3,922.35	1,015.98
26 05 19 16-0649	MLF	4-4-6 Cable SEU Aluminum	4,451.64	1,112.10
26 05 19 16-0650	MLF	4-4-4 Cable SEU Aluminum	4,670.09	1,159.08
26 05 19 16-0651	MLF	2-2-4 Cable SEU Aluminum	5,612.22	1,371.56
26 05 19 16-0652	MLF	2-2-2 Cable SEU Aluminum	5,977.26	1,443.73
26 05 19 16-0653	MLF	1-1-1 Cable SEU Aluminum	7,323.52	1,645.84
26 05 19 16-0654	MLF	1/0-1/0-2 Cable SEU Aluminum	7,768.18	1,732.49
26 05 19 16-0655	MLF	1/0-1/0-1/0 Cable SEU Aluminum	9,892.29	1,828.70
26 05 19 16-0656	MLF	2/0-2/0-1 Cable SEU Aluminum	8,765.40	1,959.38
26 05 19 16-0657	MLF	2/0-2/0-2/0 Cable SEU Aluminum	9,280.19	2,057.31
26 05 19 16-0658	MLF	3/0-3/0-1/0 Cable SEU Aluminum	10,250.89	2,154.25
26 05 19 16-0659	MLF	3/0-3/0-3/0 Cable SEU Aluminum	10,997.34	2,285.91
26 05 19 16-0660	MLF	4/0-4/0-2/0 Cable SEU Aluminum	11,516.42	2,471.23
26 05 19 16-0661	MLF	4/0-4/0-4/0 Cable SEU Aluminum	12,225.32	2,571.64

26 05 19 16-0662 SER Cable Copper, 4 Conductor *(26 05 19 16-0604)*

26 05 19 16-0663	MLF	6-6-6-6 Cable SER Copper	5,750.86	1,185.75
26 05 19 16-0664	MLF	4-4-4-6 Cable SER Copper	7,225.55	1,283.84
26 05 19 16-0665	MLF	3-3-3-5 Cable SER Copper	8,438.25	1,448.84

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	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0666	MLF	2-2-2-4 Cable SER Copper	9,763.53	1,579.52
26 05 19 16-0667	MLF	1-1-1-3 Cable SER Copper	11,802.67	1,808.62
26 05 19 16-0668	MLF	1/0-1/0-1/0-2 Cable SER Copper	14,837.21	2,072.86
26 05 19 16-0669	MLF	2/0-2/0-2/0-1 Cable SER Copper	17,535.41	2,236.21
26 05 19 16-0670	MLF	3/0-3/0-3/0-1/0 Cable SER Copper	20,999.40	2,501.27
26 05 19 16-0671		**Control Tray Cable, Low Voltage** *(26 05 19 16-0011)*		
		Note: Type "TC" multi-conductor (individually numbered conductors) control cables installed in conduit.		
26 05 19 16-0672	MLF	2 Conductor #18 AWG, Stranded, Type TC Control Cable	784.18	364.95
26 05 19 16-0673	MLF	3 Conductor #18 AWG, Stranded, Type TC Control Cable	906.61	408.25
26 05 19 16-0674	MLF	4 Conductor #18 AWG, Stranded, Type TC Control Cable	952.68	408.22
26 05 19 16-0675	MLF	5 Conductor #18 AWG, Stranded, Type TC Control Cable	1,192.66	512.03
26 05 19 16-0676	MLF	7 Conductor #18 AWG, Stranded, Type TC Control Cable	1,504.87	623.94
26 05 19 16-0677	MLF	9 Conductor #18 AWG, Stranded, Type TC Control Cable	1,721.59	686.13
26 05 19 16-0678	MLF	12 Conductor #18 AWG, Stranded, Type TC Control Cable	2,053.33	779.61
26 05 19 16-0679	MLF	15 Conductor #18 AWG, Stranded, Type TC Control Cable	2,601.86	952.91
26 05 19 16-0680	MLF	19 Conductor #18 AWG, Stranded, Type TC Control Cable	2,980.87	1,039.57
26 05 19 16-0681	MLF	25 Conductor #18 AWG, Stranded, Type TC Control Cable	3,554.45	1,072.07
26 05 19 16-0682	MLF	30 Conductor #18 AWG, Stranded, Type TC Control Cable	4,355.89	1,339.30
26 05 19 16-0683	MLF	37 Conductor #18 AWG, Stranded, Type TC Control Cable	5,230.89	1,565.22
26 05 19 16-0684	MLF	2 Conductor #16 AWG, Stranded, Type TC Control Cable	860.15	384.44
		For Installation On Exposed Surface, Deduct	*-128.05*	
26 05 19 16-0685	MLF	3 Conductor #16 AWG, Stranded, Type TC Control Cable	998.95	429.73
26 05 19 16-0686	MLF	4 Conductor #16 AWG, Stranded, Type TC Control Cable	1,164.89	494.73
26 05 19 16-0687	MLF	5 Conductor #16 AWG, Stranded, Type TC Control Cable	1,322.40	538.96
26 05 19 16-0688	MLF	7 Conductor #16 AWG, Stranded, Type TC Control Cable	1,675.84	656.78
26 05 19 16-0689	MLF	9 Conductor #16 AWG, Stranded, Type TC Control Cable	1,926.30	722.24
26 05 19 16-0690	MLF	12 Conductor #16 AWG, Stranded, Type TC Control Cable	2,310.22	820.64
26 05 19 16-0691	MLF	15 Conductor #16 AWG, Stranded, Type TC Control Cable	2,938.79	1,003.01
26 05 19 16-0692	MLF	19 Conductor #16 AWG, Stranded, Type TC Control Cable	3,383.98	1,094.19
26 05 19 16-0693	MLF	25 Conductor #16 AWG, Stranded, Type TC Control Cable	4,090.42	1,128.49
		For Installation On Exposed Surface, Deduct	*-376.17*	
26 05 19 16-0694	MLF	30 Conductor #16 AWG, Stranded, Type TC Control Cable	5,004.18	1,409.72
26 05 19 16-0695	MLF	37 Conductor #16 AWG, Stranded, Type TC Control Cable	6,023.75	1,647.60
26 05 19 16-0696	MLF	2 Conductor #14 AWG, Stranded, Type TC Control Cable	935.86	401.29
26 05 19 16-0697	MLF	3 Conductor #14 AWG, Stranded, Type TC Control Cable	1,124.09	451.40
		For Installation On Exposed Surface, Deduct	*-150.47*	
26 05 19 16-0698	MLF	4 Conductor #14 AWG, Stranded, Type TC Control Cable	1,320.69	515.95
		For Installation On Exposed Surface, Deduct	*-171.98*	
26 05 19 16-0699	MLF	5 Conductor #14 AWG, Stranded, Type TC Control Cable	1,491.61	555.67
		For Installation On Exposed Surface, Deduct	*-185.22*	
26 05 19 16-0700	MLF	7 Conductor #14 AWG, Stranded, Type TC Control Cable	1,999.21	681.16
		For Installation On Exposed Surface, Deduct	*-227.05*	
26 05 19 16-0701	MLF	9 Conductor #14 AWG, Stranded, Type TC Control Cable	2,311.81	752.33
		For Installation On Exposed Surface, Deduct	*-250.83*	
26 05 19 16-0702	MLF	12 Conductor #14 AWG, Stranded, Type TC Control Cable	2,854.94	839.60
		For Installation On Exposed Surface, Deduct	*-279.87*	
26 05 19 16-0703	MLF	15 Conductor #14 AWG, Stranded, Type TC Control Cable	3,410.03	1,002.86
26 05 19 16-0704	MLF	19 Conductor #14 AWG, Stranded, Type TC Control Cable	5,879.24	1,165.36
26 05 19 16-0705	MLF	25 Conductor #14 AWG, Stranded, Type TC Control Cable	5,140.62	1,362.47
		For Installation On Exposed Surface, Deduct	*-454.26*	
26 05 19 16-0706	MLF	30 Conductor #14 AWG, Stranded, Type TC Control Cable	5,988.66	1,522.57
26 05 19 16-0707	MLF	37 Conductor #14 AWG, Stranded, Type TC Control Cable	7,226.75	1,779.41
		For Installation On Exposed Surface, Deduct	*-593.14*	
26 05 19 16-0708	MLF	2 Conductor #12 AWG, Stranded, Type TC Control Cable	1,098.44	429.73
26 05 19 16-0709	MLF	3 Conductor #12 AWG, Stranded, Type TC Control Cable	1,321.04	475.47
		For Installation On Exposed Surface, Deduct	*-158.44*	
26 05 19 16-0710	MLF	4 Conductor #12 AWG, Stranded, Type TC Control Cable	1,613.44	547.10
26 05 19 16-0711	MLF	5 Conductor #12 AWG, Stranded, Type TC Control Cable	1,834.44	582.31
26 05 19 16-0712	MLF	7 Conductor #12 AWG, Stranded, Type TC Control Cable	2,434.66	694.25
26 05 19 16-0713	MLF	9 Conductor #12 AWG, Stranded, Type TC Control Cable	3,011.84	820.64
26 05 19 16-0714	MLF	12 Conductor #12 AWG, Stranded, Type TC Control Cable	3,679.32	925.82
26 05 19 16-0715	MLF	15 Conductor #12 AWG, Stranded, Type TC Control Cable	4,388.23	1,062.14
26 05 19 16-0716	MLF	19 Conductor #12 AWG, Stranded, Type TC Control Cable	5,200.42	1,203.88
26 05 19 16-0717	MLF	25 Conductor #12 AWG, Stranded, Type TC Control Cable	6,690.89	1,407.01
26 05 19 16-0718	MLF	30 Conductor #12 AWG, Stranded, Type TC Control Cable	7,744.76	1,644.45
26 05 19 16-0719	MLF	37 Conductor #12 AWG, Stranded, Type TC Control Cable	9,381.95	1,922.05
26 05 19 16-0720	MLF	2 Conductor #10 AWG, Stranded, Type TC Control Cable	1,323.05	451.40
26 05 19 16-0721	MLF	3 Conductor #10 AWG, Stranded, Type TC Control Cable	1,667.55	495.03
		For Installation On Exposed Surface, Deduct	*-164.91*	
26 05 19 16-0722	MLF	4 Conductor #10 AWG, Stranded, Type TC Control Cable	2,039.97	564.25
26 05 19 16-0723	MLF	5 Conductor #10 AWG, Stranded, Type TC Control Cable	2,381.52	612.09
26 05 19 16-0724	MLF	7 Conductor #10 AWG, Stranded, Type TC Control Cable	3,238.72	768.28
26 05 19 16-0725	MLF	9 Conductor #10 AWG, Stranded, Type TC Control Cable	3,852.22	859.92
26 05 19 16-0726	MLF	12 Conductor #10 AWG, Stranded, Type TC Control Cable	4,488.65	1,003.01
26 05 19 16-0727	MLF	15 Conductor #10 AWG, Stranded, Type TC Control Cable	5,315.07	1,147.00
26 05 19 16-0728	MLF	19 Conductor #10 AWG, Stranded, Type TC Control Cable	6,318.86	1,300.02
26 05 19 16-0729	MLF	25 Conductor #10 AWG, Stranded, Type TC Control Cable	8,181.98	1,519.40
26 05 19 16-0730	MLF	30 Conductor #10 AWG, Stranded, Type TC Control Cable	9,464.89	1,775.80
26 05 19 16-0731	MLF	37 Conductor #10 AWG, Stranded, Type TC Control Cable	11,492.05	2,075.98

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0732		ACSR (Aluminum Conductor Steel Reinforced) *(26 05 19 16-0011)* Note: Concentric lay stranded Class A galvanizing installed on poles, aerially.		
26 05 19 16-0733		ACSR Cable *(26 05 19 16-0732)*		
26 05 19 16-0734	MLF	#4 AWG ACSR Cable Swan 6/1 Installed On Poles, Aluminum Cable	1,082.32	378.16
26 05 19 16-0735	MLF	#4 AWG ACSR Cable Swanate 7/1 Installed On Poles, Aluminum Cable	1,137.71	392.66
26 05 19 16-0736	MLF	#2 AWG ACSR Cable Sparrow 6/1 Installed On Poles, Aluminum Cable	1,206.85	407.77
26 05 19 16-0737	MLF	#2 AWG ACSR Cable Sparate 7/1 Installed On Poles, Aluminum Cable	1,262.71	422.55
26 05 19 16-0738	MLF	#1/0 AWG ACSR Cable Raven 6/1 Installed On Poles, Aluminum Cable	1,361.05	436.87
26 05 19 16-0739	MLF	#2/0 AWG ACSR Cable Quail 6/1 Installed On Poles, Aluminum Cable	1,567.27	495.24
26 05 19 16-0740	MLF	#3/0 AWG ACSR Cable Pigeon 6/1 Installed On Poles, Aluminum Cable	1,785.03	552.29
26 05 19 16-0741	MLF	#4/0 AWG ACSR Cable Penguin 6/1 Installed On Poles, Aluminum Cable	2,019.26	610.14
26 05 19 16-0742	MLF	#1 Bare Aluminum Wire	1,489.10	519.40
26 05 19 16-0743	MLF	336 AWG ACSR Cable Merlin 18/1 Installed On Pole, Aluminum Cable	2,458.96	784.10
26 05 19 16-0744	MLF	477 AWG ACSR Cable Hawk 26/1 Installed On Pole, Aluminum Cable	2,807.14	899.43
26 05 19 16-0745		All Aluminum Conductors *(26 05 19 16-0732)*		
26 05 19 16-0746	MLF	795.0 ACSR Conductor Aluminum	20,626.86	7,418.04
26 05 19 16-0747		Single Copper Conductor Installed On Poles *(26 05 19 16-0011)*		
26 05 19 16-0748		Bare Stranded Conductor *(26 05 19 16-0747)*		
26 05 19 16-0749	MLF	#12 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	964.52	320.40
26 05 19 16-0750	MLF	#10 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	1,131.72	349.24
26 05 19 16-0751	MLF	#8 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	1,299.86	378.42
26 05 19 16-0752	MLF	#6 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	1,595.96	407.77
26 05 19 16-0753	MLF	#4 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	1,944.19	437.23
26 05 19 16-0754	MLF	#2 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	2,790.90	524.42
26 05 19 16-0755	MLF	#1 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	3,208.43	582.53
26 05 19 16-0756	MLF	#1/0 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	3,662.92	639.58
26 05 19 16-0757	MLF	#2/0 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	4,918.62	758.59
26 05 19 16-0758	MLF	#3/0 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	5,971.73	872.17
26 05 19 16-0759	MLF	#4/0 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	6,406.35	988.47
26 05 19 16-0760	MLF	250 MCM 1/c Bare Stranded Copper Cable, Installed On Poles	8,114.58	1,164.97
26 05 19 16-0761	MLF	300 MCM 1/c Bare Stranded Copper Cable, Installed On Poles	8,298.50	1,226.30
26 05 19 16-0762	MLF	350 MCM 1/c Bare Stranded Copper Cable, Installed On Poles	10,376.22	1,284.23
26 05 19 16-0763	MLF	400 MCM 1/c Bare Stranded Copper Cable, Installed On Poles	11,471.88	1,336.92
26 05 19 16-0764	MLF	500 MCM 1/c Bare Stranded Copper Cable, Installed On Poles	13,384.24	1,393.97
26 05 19 16-0765		Insulated Stranded Conductor *(26 05 19 16-0747)*		
26 05 19 16-0766	MLF	#12 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	1,044.45	320.40
26 05 19 16-0767	MLF	#10 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	1,234.86	349.24
26 05 19 16-0768	MLF	#8 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	1,503.47	378.42
26 05 19 16-0769	MLF	#6 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	1,634.50	407.77
26 05 19 16-0770	MLF	#4 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	2,002.99	437.23
26 05 19 16-0771	MLF	#2 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	2,705.98	524.42
26 05 19 16-0772	MLF	#1 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	3,199.96	582.53
26 05 19 16-0773	MLF	#1/0 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	3,781.16	639.58
26 05 19 16-0774	MLF	#2/0 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	4,555.53	758.59
26 05 19 16-0775	MLF	#3/0 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	5,465.63	872.17
26 05 19 16-0776	MLF	#4/0 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	6,445.83	988.47
26 05 19 16-0777	MLF	250 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles	7,873.01	1,164.97
26 05 19 16-0778	MLF	300 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles	8,937.93	1,226.30
26 05 19 16-0779	MLF	350 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles	9,805.83	1,284.23
26 05 19 16-0780	MLF	400 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles	10,998.95	1,336.92
26 05 19 16-0781	MLF	500 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles	12,378.33	1,393.97
26 05 19 16-0782		Bare Solid Conductor *(26 05 19 16-0747)*		
26 05 19 16-0783	MLF	#12 AWG 1/c Bare Solid Copper Cable, Installed On Poles	964.52	320.40
26 05 19 16-0784	MLF	#8 AWG 1/c Bare Solid Copper Cable, Installed On Poles	1,299.86	378.42
26 05 19 16-0785	MLF	#6 AWG 1/c Bare Solid Copper Cable, Installed On Poles	1,595.96	407.77
26 05 19 16-0786	MLF	#4 AWG 1/c Bare Solid Copper Cable, Installed On Poles	1,919.89	437.23
26 05 19 23		**Manufactured Wiring Assemblies** *(26 05 19)*		
26 05 19 23-0001		Festoon Cable Systems Complete System *(26 05 19 23)*		
26 05 19 23-0002		Components *(26 05 19 23-0001)*		
26 05 19 23-0003	LF	20' C Channel Type Track, Galvanized Steel Festoon Cable System Components	11.16	4.94
26 05 19 23-0004	EA	Channel Track Hanger, Plated Steel Festoon Cable System Components	44.32	18.10
26 05 19 23-0005	EA	Channel Track Joint Clamp Assembly Festoon Cable System Components	36.44	18.10
26 05 19 23-0006	EA	End Stop For Channel Track Festoon Cable System Components	9.29	4.12
26 05 19 23-0007	EA	End Clamp And Cable Saddle Assembly With Steel Saddle, Festoon Cable System	46.43	20.58
26 05 19 23-0008	EA	Cable Supplying Trolley, Steel Saddle With Stainless Steel Ball Bearing Wheel, Festoon Cable	42.10	1.64
26 05 19 23-0009	EA	Towing Trolley Assembly With Steel Saddle With Stainless Steel Ball Bearing Wheel, Festoon Cable	48.22	1.64
26 05 19 23-0010	EA	J-Box With 2 Terminal Blocks And Bracket Festoon Cable System Components	276.29	102.86

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 23-0011	EA	Watertight Connector For Flat Cable Festoon Cable System Components	25.30	8.24
26 05 19 23-0012		**Cable** *(26 05 19 23-0001)*		
26 05 19 23-0013	LF	12/c #16 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt	5.71	1.64
26 05 19 23-0014	LF	12/c #14 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt	6.17	1.64
26 05 19 23-0015	LF	8/c #16 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt	5.25	1.64
26 05 19 23-0016	LF	8/c #14 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt	5.28	1.64
26 05 19 23-0017	LF	7/c #12 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt	5.77	1.64
26 05 19 23-0018	LF	4/c #14 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt	4.37	1.64
26 05 19 23-0019	LF	4/c #12 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt	4.61	1.64
26 05 19 23-0020		**Complete Systems** *(26 05 19 23-0001)*		
26 05 19 23-0021	EA	Festoon System, 80' Long, Complete With 7/c #12 And 4/c #14, Wet Environment Note: Includes 10 each cable trolleys with steel saddle, stainless steel wheels, 1 each J-box with terminal strips and brackets, 80 LF C type track, 20' sections, 9 each hangars, 3 each joints, 2 each end stop, 1 each end clamp with steel saddle, 1 each towing trolley with steel saddle, 2 each watertight connectors for 4/c #14, 2 each watertight connectors for 7/c #12, 80 LF each type cable as listed.	4,623.45	1,645.84
26 05 23		**Control-Voltage Electrical Power Cables** *(26 05)*		
26 05 23 00-0001		**Cable For Sound System** *(26 05 23)*		
26 05 23 00-0002		**Shielded Conductors** *(26 05 23 00-0001)* Note: One pair, stranded or solid, copper, PVC jacketed, sizes as indicated on tasks.		
26 05 23 00-0003	MLF	1 Pair #20 AWG Sound System, Placed In Conduit, Shielded	701.90	300.93
26 05 23 00-0004	MLF	1 Pair #14 AWG Sound System, Placed In Conduit, Shielded	1,099.41	300.93
26 05 23 00-0005	MLF	3 Conductor, #16 AWG Sound System, Placed In Conduit, Shielded	922.10	178.38
26 05 23 00-0006	MLF	6 Conductor, #18 AWG Sound System, Placed In Conduit, Shielded	970.00	182.36
26 05 23 00-0007		**Cable For HVAC System Controls** *(26 05 23)*		
26 05 23 00-0008		**Low Voltage Thermostat Cable To 300 Volts** *(26 05 23 00-0007)* Note: For surface or conduit installation.		
26 05 23 00-0009	MLF	#20/2 Conductor, Low Volt Thermostat Cable	334.32	95.92
26 05 23 00-0010	MLF	#20/3 Conductor, Low Volt Thermostat Cable	383.67	101.04
26 05 23 00-0011	MLF	#20/4 Conductor, Low Volt Thermostat Cable	416.48	106.83
26 05 23 00-0012	MLF	#20/5 Conductor, Low Volt Thermostat Cable	503.28	111.35
26 05 23 00-0013	MLF	#20/6 Conductor, Low Volt Thermostat Cable	528.02	116.61
26 05 23 00-0014	MLF	#20/7 Conductor, Low Volt Thermostat Cable	582.33	121.46
26 05 23 00-0015	MLF	#20/8 Conductor, Low Volt Thermostat Cable	629.27	126.32
26 05 23 00-0016	MLF	#20/9 Conductor, Low Volt Thermostat Cable	684.58	131.36
26 05 23 00-0017	MLF	#20/10 Conductor, Low Volt Thermostat Cable	737.96	135.30
26 05 23 00-0018	MLF	#18/2 Conductor, Low Volt Thermostat Cable	365.05	95.92
26 05 23 00-0019	MLF	#18/3 Conductor, Low Volt Thermostat Cable	438.50	101.04
26 05 23 00-0020	MLF	#18/4 Conductor, Low Volt Thermostat Cable	503.47	106.83
26 05 23 00-0021	MLF	#18/5 Conductor, Low Volt Thermostat Cable	539.19	111.35
26 05 23 00-0022	MLF	#18/6 Conductor, Low Volt Thermostat Cable	600.16	116.61
26 05 23 00-0023	MLF	#18/7 Conductor, Low Volt Thermostat Cable	615.45	121.46
26 05 23 00-0024	MLF	#18/8 Conductor, Low Volt Thermostat Cable	679.81	126.32
26 05 23 00-0025	MLF	#18/9 Conductor, Low Volt Thermostat Cable	805.86	131.36
26 05 23 00-0026	MLF	#18/10 Conductor, Low Volt Thermostat Cable	887.54	135.30
26 05 26		**Grounding And Bonding For Electrical Systems** *(26 05)*		
26 05 26 00-0001		**Conductors, Straps And Conduit Jumpers** *(26 05 26)*		
26 05 26 00-0002		**Single Conductor** *(26 05 26 00-0001)*		
26 05 26 00-0003		**Copper Bare Stranded Conductors** *(26 05 26 00-0002)*		
26 05 26 00-0004	MLF	12 AWG Copper Bare Single Stranded Conductor	441.82	160.18
26 05 26 00-0005	MLF	10 AWG Copper Bare Single Stranded Conductor	589.05	160.18
26 05 26 00-0006	MLF	8 AWG Copper Bare Single Stranded Conductor	736.94	192.95
26 05 26 00-0007	MLF	6 AWG Copper Bare Single Stranded Conductor	1,024.03	192.95
26 05 26 00-0008	MLF	4 AWG Copper Bare Single Stranded Conductor	1,384.06	233.00
26 05 26 00-0009	MLF	2 AWG Copper Bare Single Stranded Conductor	2,193.32	233.00
26 05 26 00-0010	MLF	1 AWG Copper Bare Single Stranded Conductor	2,542.78	280.33
26 05 26 00-0011	MLF	1/0 AWG Copper Bare Single Stranded Conductor	2,984.18	280.33
26 05 26 00-0012	MLF	2/0 AWG Copper Bare Single Stranded Conductor	4,196.82	353.13
26 05 26 00-0013	MLF	3/0 AWG Copper Bare Single Stranded Conductor	5,181.59	353.13
26 05 26 00-0014	MLF	4/0 AWG Copper Bare Single Stranded Conductor	5,487.55	469.63
26 05 26 00-0015	MLF	250 MCM Copper Bare Single Stranded Conductor	7,063.14	469.63
26 05 26 00-0016	MLF	300 MCM Copper Bare Single Stranded Conductor	7,079.44	542.44
26 05 26 00-0017	MLF	350 MCM Copper Bare Single Stranded Conductor	9,566.45	542.44
26 05 26 00-0018	MLF	500 MCM Copper Bare Single Stranded Conductor	13,075.59	669.87
26 05 26 00-0019		**Copper Insulated Single Stranded Conductors** *(26 05 26 00-0002)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0020	MLF	12 AWG Copper Insulated Single Stranded Conductor	847.34	218.43
26 05 26 00-0021	MLF	10 AWG Copper Insulated Single Stranded Conductor	896.68	218.43
26 05 26 00-0022	MLF	8 AWG Copper Insulated Single Stranded Conductor	1,155.28	218.43
26 05 26 00-0023	MLF	6 AWG Copper Insulated Single Stranded Conductor	1,305.62	378.63
26 05 26 00-0024	MLF	4 AWG Copper Insulated Single Stranded Conductor	1,777.15	378.63
26 05 26 00-0025	MLF	2 AWG Copper Insulated Single Stranded Conductor	2,525.63	378.63
26 05 26 00-0026	MLF	1 AWG Copper Insulated Single Stranded Conductor	3,061.30	662.59
26 05 26 00-0027	MLF	1/0 AWG Copper Insulated Single Stranded Conductor	3,743.56	662.59
26 05 26 00-0028	MLF	2/0 AWG Copper Insulated Single Stranded Conductor	4,401.12	662.59
26 05 26 00-0029	MLF	3/0 AWG Copper Insulated Single Stranded Conductor	5,258.46	662.59
26 05 26 00-0030	MLF	4/0 AWG Copper Insulated Single Stranded Conductor	6,215.84	866.46
26 05 26 00-0031	MLF	250 MCM Copper Insulated Single Stranded Conductor	7,536.58	866.46
26 05 26 00-0032	MLF	300 MCM Copper Insulated Single Stranded Conductor	8,793.04	866.46
26 05 26 00-0033	MLF	350 MCM Copper Insulated Single Stranded Conductor	10,260.93	1,347.02
26 05 26 00-0034	MLF	500 MCM Copper Insulated Single Stranded Conductor	13,438.46	1,347.02

26 05 26 00-0035 Copper Bare Single Solid Conductors *(26 05 26 00-0002)*

26 05 26 00-0036	MLF	12 AWG Copper Bare Single Solid Conductor	441.82	160.18
26 05 26 00-0037	MLF	10 AWG Copper Bare Single Solid Conductor	589.05	160.18
26 05 26 00-0038	MLF	8 AWG Copper Bare Single Solid Conductor	736.94	192.95
26 05 26 00-0039	MLF	6 AWG Copper Bare Single Solid Conductor	1,024.03	192.95
26 05 26 00-0040	MLF	4 AWG Copper Bare Single Solid Conductor	1,384.06	233.00
26 05 26 00-0041	MLF	2 AWG Copper Bare Single Solid Conductor	2,193.32	233.00
26 05 26 00-0042	MLF	1/0 AWG Copper Bare Single Solid Conductor	2,984.18	280.33
26 05 26 00-0043	MLF	4/0 AWG Copper Bare Single Solid Conductor	5,487.55	371.34

26 05 26 00-0044 Aluminum Bare Single Stranded Conductors *(26 05 26 00-0002)*

26 05 26 00-0045	MLF	8 AWG Aluminum Bare Single Stranded Conductor	478.84	192.95
26 05 26 00-0046	MLF	6 AWG Aluminum Bare Single Stranded Conductor	525.24	192.95
26 05 26 00-0047	MLF	4 AWG Aluminum Bare Single Stranded Conductor	597.10	233.00
26 05 26 00-0048	MLF	2 AWG Aluminum Bare Single Stranded Conductor	743.36	233.00
26 05 26 00-0049	MLF	1 AWG Aluminum Bare Single Stranded Conductor	854.38	280.33
26 05 26 00-0050	MLF	1/0 AWG Aluminum Bare Single Stranded Conductor	978.55	280.33
26 05 26 00-0051	MLF	2/0 AWG Aluminum Bare Single Stranded Conductor	1,116.65	353.13
26 05 26 00-0052	MLF	3/0 AWG Aluminum Bare Single Stranded Conductor	1,282.97	353.13
26 05 26 00-0053	MLF	4/0 AWG Aluminum Bare Single Stranded Conductor	1,527.70	469.63
26 05 26 00-0054	MLF	250 MCM Aluminum Bare Single Stranded Conductor	1,710.01	469.63
26 05 26 00-0055	MLF	300 MCM Aluminum Bare Single Stranded Conductor	2,026.73	542.44
26 05 26 00-0056	MLF	350 MCM Aluminum Bare Single Stranded Conductor	2,297.11	542.44
26 05 26 00-0057	MLF	500 MCM Aluminum Bare Single Stranded Conductor	2,705.18	669.87

26 05 26 00-0058 Aluminum Bare Single Solid Conductors *(26 05 26 00-0002)*

26 05 26 00-0059	MLF	8 AWG Aluminum Bare Single Solid Conductor	478.84	192.95
26 05 26 00-0060	MLF	6 AWG Aluminum Bare Single Solid Conductor	525.24	192.95
26 05 26 00-0061	MLF	4 AWG Aluminum Bare Single Solid Conductor	597.10	233.00
26 05 26 00-0062	MLF	2 AWG Aluminum Bare Single Solid Conductor	743.36	233.00
26 05 26 00-0063	MLF	1 AWG Aluminum Bare Single Solid Conductor	825.00	371.34
26 05 26 00-0064	MLF	1/0 AWG Aluminum Bare Single Solid Conductor	978.55	371.34
26 05 26 00-0065	MLF	2/0 AWG Aluminum Bare Single Solid Conductor	1,043.86	353.13
26 05 26 00-0066	MLF	3/0 AWG Aluminum Bare Single Solid Conductor	1,136.39	353.13
26 05 26 00-0067	MLF	4/0 AWG Aluminum Bare Single Solid Conductor	1,527.70	469.63
26 05 26 00-0068	MLF	250 MCM Aluminum Bare Single Solid Conductor	1,710.01	469.63
26 05 26 00-0069	MLF	300 MCM Aluminum Bare Single Solid Conductor	2,026.73	542.44
26 05 26 00-0070	MLF	350 MCM Aluminum Bare Single Solid Conductor	2,297.11	542.44
26 05 26 00-0071	MLF	500 MCM Aluminum Bare Single Solid Conductor	2,705.18	669.87

26 05 26 00-0072 Aluminum Smooth Woven Conductors *(26 05 26 00-0002)*

26 05 26 00-0073	LF	10 Strand x 14 AWG Smooth Weave Aluminum Conductor	1.83	0.57
26 05 26 00-0074	LF	16 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.02	0.62
26 05 26 00-0075	LF	24 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.39	0.71
26 05 26 00-0076	LF	26 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.33	0.73
26 05 26 00-0077	LF	28 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.52	0.76

26 05 26 00-0078 Copper Flexible Braid Connector Jumper Strap *(26 05 26 00-0001)*

Note: Manufactured from flat extra flexible tinned braid. Ferrules are tin plated pure electrolytic copper with 2 holes, on each end.

26 05 26 00-0079	EA	100 Amp, Copper Flexible Braid Jumper Strap, 12" Length	90.35	20.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.34*	
26 05 26 00-0080	EA	225 Amp, Copper Flexible Braid Jumper Strap, 12" Length	153.93	24.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.81*	
26 05 26 00-0081	EA	225 Amp, Copper Flexible Braid Jumper Strap, 18" Length	195.80	24.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.81*	
26 05 26 00-0082	EA	225 Amp, Copper Flexible Braid Jumper Strap, 24" Length	237.09	24.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.81*	
26 05 26 00-0083	EA	400 Amp, Copper Flexible Braid Jumper Strap, 12" Length	206.82	26.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.52*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0084		EA	400 Amp, Copper Flexible Braid Jumper Strap, 18" Length	267.04	26.74
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.52*	
26 05 26 00-0085		EA	400 Amp, Copper Flexible Braid Jumper Strap, 24" Length	319.37	26.74
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.52*	
26 05 26 00-0086		EA	600 Amp, Copper Flexible Braid Jumper Strap, 12" Length	268.08	33.95
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.37*	
26 05 26 00-0087		EA	800 Amp, Copper Flexible Braid Jumper Strap, 12" Length	322.45	41.14
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.69*	

26 05 26 00-0088 Bonding Jumper For Metallic Conduit *(26 05 26 00-0001)*

26 05 26 00-0089		EA	1/2" To 1" Conductor, Bonding Jumper - Metallic Conduit	123.27	45.26
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.72*	
26 05 26 00-0090		EA	1-1/4" To 2" Conductor, Bonding Jumper - Metallic Conduit	151.86	45.26
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.65*	
26 05 26 00-0091		EA	2-1/2" To 4" Conductor, Bonding Jumper - Metallic Conduit	219.89	69.95
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.40*	
26 05 26 00-0092		EA	5" To 6" Conductor, Bonding Jumper - Metallic Conduit	322.29	69.95
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.72*	

26 05 26 00-0093 Ground Rods *(26 05 26)*

26 05 26 00-0094 Copper-Clad Ground Rods *(26 05 26 00-0093)*

26 05 26 00-0095		EA	1/2" Diameter x 8' Long Copper-Clad Ground Rods	73.08	61.72
26 05 26 00-0096		EA	5/8" Diameter x 8' Long Copper-Clad Ground Rods	76.58	61.72
26 05 26 00-0097		EA	3/4" Diameter x 8' Long Copper-Clad Ground Rods	90.71	61.72
26 05 26 00-0098		EA	1/2" Diameter x 10' Long Copper-Clad Ground Rods	86.22	61.72
26 05 26 00-0099		EA	5/8" Diameter x 10' Long Copper-Clad Ground Rods	90.60	61.72
26 05 26 00-0100		EA	3/4" Diameter x 10' Long Copper-Clad Ground Rods	108.26	61.72

26 05 26 00-0101 Copper Grounding Shaft *(26 05 26 00-0093)*

26 05 26 00-0102		EA	2-1/8" Diameter x 10' Long Copper Grounding Shaft	247.64	61.72
26 05 26 00-0103		EA	2-1/8" Diameter "L" Shaped; 3' Riser x 10' Horizontal Copper Grounding Shaft	308.76	61.72
26 05 26 00-0104		EA	2-1/8" Diameter "L" Shaped; 3' Riser x 20' Horizontal Copper Grounding Shaft	482.34	61.72

26 05 26 00-0105 Ground Access Wells *(26 05 26 00-0093)*

26 05 26 00-0106 Precast Ground Access Wells *(26 05 26 00-0105)*

26 05 26 00-0107		EA	8" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	163.63	
26 05 26 00-0108		EA	10" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	170.92	
26 05 26 00-0109		EA	12" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	456.32	
26 05 26 00-0110		EA	18" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	463.61	

26 05 26 00-0111 Polyvinyl Chloride (PVC) Ground Access Well *(26 05 26 00-0105)*

26 05 26 00-0112		EA	10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with cast iron grated cover.	278.61	
26 05 26 00-0113		EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with cast iron grated cover.	325.44	
26 05 26 00-0114		EA	18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with cast iron grated cover.	592.32	
26 05 26 00-0115		EA	10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with flat steel cover.	266.93	
26 05 26 00-0116		EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with flat steel cover.	269.09	
26 05 26 00-0117		EA	18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with flat steel cover.	568.66	
26 05 26 00-0118		EA	8" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well Note: Schedule 40 with flat steel cover.	154.76	
26 05 26 00-0119		EA	10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well Note: Schedule 40 with flat steel cover.	165.63	
26 05 26 00-0120		EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well Note: Schedule 40 with flat steel cover.	174.68	
26 05 26 00-0121		EA	8" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover	122.09	
26 05 26 00-0122		EA	10" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover	175.05	
26 05 26 00-0123		EA	8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with flat steel cover.	299.92	
26 05 26 00-0124		EA	10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with flat steel cover.	394.10	
26 05 26 00-0125		EA	8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with plastic cover.	244.59	
26 05 26 00-0126		EA	10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with plastic cover.	348.87	
26 05 26 00-0127		EA	10" Diameter x 36" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron grate, heavy duty.	365.14	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0128	EA	10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron grate, heavy duty.	444.70	
26 05 26 00-0129	EA	12" Diameter x 12" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron grate, heavy duty.	203.40	
26 05 26 00-0130	EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron grate, heavy duty.	345.20	
26 05 26 00-0131	EA	12" Diameter x 30" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron grate, heavy duty.	370.99	
26 05 26 00-0132		**Polymer Concrete Ground Access Well** *(26 05 26 00-0105)*		
26 05 26 00-0133	EA	12" x 12" x 12" Polymer Concrete Ground Access Well	290.74	
26 05 26 00-0134	EA	12" x 12" x 12" Heavy Duty Polymer Concrete Ground Access Well	317.71	
26 05 26 00-0135	EA	12" x 12" x 18" Polymer Concrete Ground Access Well	319.53	
26 05 26 00-0136	EA	12" x 12" x 18" Heavy Duty Polymer Concrete Ground Access Well	349.18	
26 05 26 00-0137	EA	12" x 12" x 24" Polymer Concrete Ground Access Well	349.41	
26 05 26 00-0138	EA	12" x 12" x 24" Heavy Duty Polymer Concrete Ground Access Well	381.95	
26 05 26 00-0139	EA	13" x 24" x 18" Polymer Concrete Ground Access Well	461.57	
26 05 26 00-0140	EA	13" x 24" x 18" Heavy Duty Polymer Concrete Ground Access Well	505.77	
26 05 26 00-0141		**High Density Polyethylene (HDPE) Ground Access Well** *(26 05 26 00-0105)*		
26 05 26 00-0142	EA	9" Diameter x 10" Deep High Density Polyethylene (HDPE) Ground Access Well Note: With cover.	112.79	
26 05 26 00-0143	EA	14" Diameter x 18" Deep High Density Polyethylene (HDPE) Ground Access Well Note: With cover.	155.42	
26 05 26 00-0144		**Ground Rod Clamps And Fittings** *(26 05 26)*		
26 05 26 00-0145		**Ground Rod Clamps** *(26 05 26 00-0144)*		
26 05 26 00-0146	EA	1/2" Ground Rod Clamp	17.31	9.30
26 05 26 00-0147	EA	5/8" Ground Rod Clamp	18.19	9.30
26 05 26 00-0148	EA	3/4" Ground Rod Clamp	19.44	9.30
26 05 26 00-0149		**Bronze Pipe Clamps** *(26 05 26 00-0144)*		
26 05 26 00-0150	EA	1/2" To 1" Bronze Pipe Ground Clamps	22.81	15.47
26 05 26 00-0151	EA	1-1/4" To 2" Bronze Ground Clamps For Pipe	29.63	18.51
26 05 26 00-0152	EA	2-1/2" To 3" Bronze Ground Clamps For Pipe	47.36	21.64
26 05 26 00-0153	EA	2-1/2" To 4" Bronze Ground Clamps For Pipe	57.19	27.81
26 05 26 00-0154	EA	4" To 6" Bronze Ground Clamps For Pipe	88.85	40.16
26 05 26 00-0155		**Grounding Fittings** *(26 05 26 00-0144)*		
26 05 26 00-0156		**Embedded Fittings** *(26 05 26 00-0155)*		
26 05 26 00-0157	EA	Ground Insert With 2 - 3/8 x 16 Holes #2-250 MCM Cable Range, Embedded	116.62	
26 05 26 00-0158	EA	Ground Insert With 4 - 3/8 x 16 Holes #2-250 MCM Cable Range, Embedded	124.62	
26 05 26 00-0159	EA	Ground Insert With 4 - 3/8 x 16 Holes 250-500 MCM Cable Range, Embedded	138.80	
26 05 26 00-0160	EA	Grounding Wire Splice, Copper To Aluminum, #8 - 1 AWG	109.81	
26 05 26 00-0161	EA	Grounding Wire Splice, Copper To Aluminum, 1/0 - 3/0 AWG	131.55	
26 05 26 00-0162	EA	Grounding Wire Splice, Copper To Aluminum, 4/0 - 300 MCM	154.43	
26 05 26 00-0163	EA	Grounding Wire Splice, Copper To Aluminum, 350 MCM And Up	174.36	
26 05 26 00-0164		**Ground Rod Receptacle** *(26 05 26 00-0155)*		
26 05 26 00-0165	EA	1/2" Ground Rod Receptacle	252.63	85.58
26 05 26 00-0166	EA	5/8" Ground Rod Receptacle	264.54	88.00
26 05 26 00-0167	EA	3/4" Ground Rod Receptacle	276.72	90.39
26 05 26 00-0168		**Ground Kits For Circuit Breaker Panels** *(26 05 26 00-0155)*		
26 05 26 00-0169	EA	14-8 AWG Copper Ground Kit	56.20	20.58
26 05 26 00-0170	EA	12-8 AWG Aluminum Ground Kit	47.77	20.58
26 05 26 00-0171	EA	14-4 AWG Copper Ground Kit	62.92	20.58
26 05 26 00-0172	EA	12-4 AWG Aluminum Ground Kit	52.41	20.58
26 05 26 00-0173		**Insulated Grounding Bars** *(26 05 26 00-0144)*		
26 05 26 00-0174	EA	Insulated Ground Bar 1/2" x 4" x 10"	241.72	20.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.03*	
26 05 26 00-0175	EA	Insulated Ground Bar SK 9560 1/2" x 4" x 20"	254.70	20.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.03*	
26 05 26 00-0176		**Ground Conductor Bonding** *(26 05 26)*		
26 05 26 00-0177		**Ground Conductor Bonding** *(26 05 26 00-0176)*		
26 05 26 00-0178		**Splice, Lug, Ground Rod, Rebar Or Structural Steel Cadweld** *(26 05 26 00-0177)*		

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0179	EA	Up To #6 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	100.16	
26 05 26 00-0180	EA	#4 To #1 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel. Note: Includes molds, materials and all necessary tools to make connections.	108.38	
26 05 26 00-0181	EA	1/0 To 4/0 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel. Note: Includes molds, materials and all necessary tools to make connections.	116.61	
26 05 26 00-0182	EA	250 To 1,000 MCM AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	165.98	
26 05 26 00-0183		Tee, Wye Or Cross Cadweld *(26 05 26 00-0177)*		
26 05 26 00-0184	EA	Up To #6 AWG Cadweld Connection For Tee, Wye Or Cross. Note: Includes molds, materials and all necessary tools to make connections.	112.49	
26 05 26 00-0185	EA	#4 To #1 AWG Cadweld Connection For Tee, Wye Or Cross Note: Includes molds, materials and all necessary tools to make connections.	128.95	
26 05 26 00-0186	EA	1/0 To 4/0 AWG Cadweld Connection For Tee, Wye Or Cross Note: Includes molds, materials and all necessary tools to make connections.	157.76	
26 05 26 00-0187	EA	250 To 1,000 MCM AWG Cadweld Connection For Tee, Wye Or Cross. Note: Includes molds, materials and all necessary tools to make connections.	190.67	
26 05 26 00-0188		Grounding Equipment *(26 05 26)*		
26 05 26 00-0189		Special Grounding Equipment *(26 05 26 00-0188)*		
26 05 26 00-0190		Ground Reels And Ground Bus *(26 05 26 00-0189)*		
26 05 26 00-0191	EA	Ground Reel With 50' Of Galvanized Steel Cable	586.96	
26 05 26 00-0192		Copper Bars *(26 05 26 00-0189)*		
26 05 26 00-0193	LF	1/4" x 2" Copper Bar	33.55	
26 05 26 00-0194		Phenolic Insulators *(26 05 26 00-0189)*		
26 05 26 00-0195	EA	2" x 2" x 1" Long Phenolic Insulators	22.49	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 05 26 00-0196		Grounding Studs *(26 05 26 00-0189)*		
26 05 26 00-0197	EA	Ball Grounding Stud	32.45	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.37*	
26 05 26 00-0198		Equipment Ground Bar Kits *(26 05 26 00-0189)*		
26 05 26 00-0199	EA	Switch Rating 30 Ground Bar Kit	25.50	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 05 26 00-0200	EA	Switch Rating 60 Ground Bar Kit	32.98	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.43*	
26 05 26 00-0201	EA	Switch Rating 100 Ground Bar Kit	38.52	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.17*	
26 05 26 00-0202	EA	Switch Rating 200 Ground Bar Kit	68.35	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.41*	
26 05 26 00-0203		Panelboard Ground Bar Kits *(26 05 26 00-0189)*		
26 05 26 00-0204	EA	Panelboard Ground Bar Kit	101.22	6.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.17*	
26 05 26 00-0205		Circuit Breaker Ground Bar Kits *(26 05 26 00-0189)*		
26 05 26 00-0206	EA	3 Circuit, Ground Bar Kit	21.39	3.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 26 00-0207	EA	4 Circuit, Ground Bar Kit	20.97	3.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 26 00-0208	EA	7 Circuit, Ground Bar Kit	21.67	3.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 26 00-0209	EA	12 Circuit, Ground Bar Kit	24.56	4.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.20*	
26 05 26 00-0210	EA	20 Circuit, Ground Bar Kit	28.01	4.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.69*	
26 05 26 00-0211	EA	24 Circuit, Ground Bar Kit	30.91	5.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.18*	
26 05 26 00-0212	EA	30 Circuit, Ground Bar Kit	34.49	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.93*	
26 05 26 00-0213	EA	54 Circuit, Ground Bar Kit	39.86	6.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.91*	
26 05 26 00-0214	EA	24 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug	44.95	5.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.18*	
26 05 26 00-0215	EA	30 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug	49.64	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.93*	
26 05 26 00-0216	EA	54 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug	55.16	6.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 Hangers And Supports For Electrical Systems *(26 05)*				
26 05 29 00-0001		**Metal Framing Channel And Fittings** *(26 05 29)*		
26 05 29 00-0002		**Metal Framing Channel** *(26 05 29 00-0001)*		
26 05 29 00-0003		**14 Gauge Metal Framing Channels** *(26 05 29 00-0002)*		
26 05 29 00-0004	EA	Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	14.61	4.51
26 05 29 00-0005	EA	>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	16.40	4.51
26 05 29 00-0006	LF	>2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	7.47	1.69
26 05 29 00-0007		**12 Gauge Metal Framing Channels** *(26 05 29 00-0002)*		
26 05 29 00-0008	EA	Up To 1' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	15.60	4.51
26 05 29 00-0009	EA	Up To 1' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	15.26	4.51
26 05 29 00-0010	EA	Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	15.04	4.51
26 05 29 00-0011	EA	>1' To 2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	18.38	4.51
26 05 29 00-0012	EA	>1' To 2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	17.71	4.51
26 05 29 00-0013	EA	>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	17.28	4.51
26 05 29 00-0014	LF	>2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	8.46	1.69
26 05 29 00-0015	LF	>2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	8.12	1.69
26 05 29 00-0016	LF	>2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	7.90	1.69
26 05 29 00-0017		**Metal Framing Channel Fittings** *(26 05 29 00-0001)*		
26 05 29 00-0018		**Unistrut Channel Closure Strips And Caps** *(26 05 29 00-0017)*		
26 05 29 00-0019	LF	Raceway Closure Strip For Unistrut Channel	4.21	0.41
26 05 29 00-0020	EA	End Cap For Unistrut Channel	9.57	4.13
26 05 29 00-0021		**Flat Splice Plate, Unistrut Channel Fittings** *(26 05 29 00-0017)*		
26 05 29 00-0022	EA	2-Hole, 3-1/4" Length, In-Line, Flat Splice Plate, Unistrut Channel Fitting	4.25	
26 05 29 00-0023	EA	3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, Unistrut Channel Fitting	4.22	
26 05 29 00-0024	EA	4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, Unistrut Channel Fitting	5.10	
26 05 29 00-0025		**90 Degree Angle, Unistrut Channel Fittings** *(26 05 29 00-0017)*		
26 05 29 00-0026	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, Unistrut Channel Fitting	4.12	
26 05 29 00-0027	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, Unistrut Channel Fitting	3.48	
26 05 29 00-0028	EA	3-Hole, 1-7/16" x 4-1/8", 90 Degree Angle, Unistrut Channel Fitting	5.87	
26 05 29 00-0029	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, Unistrut Channel Fitting	5.79	
26 05 29 00-0030		**60 Degree Angle, Unistrut Channel Fittings** *(26 05 29 00-0017)*		
26 05 29 00-0031	EA	2-Hole, 1-7/8" x 3-3/8", 60 Degree Angle, Unistrut Channel Fitting	8.31	
26 05 29 00-0032		**U-Connector, Unistrut Channel Fittings** *(26 05 29 00-0017)*		
26 05 29 00-0033	EA	3-Hole, 1-5/8" x 13/16", U-Connector, Unistrut Channel Fitting	4.76	
26 05 29 00-0034	EA	5-Hole, 1-5/8" x 1-5/8", U-Connector, Unistrut Channel Fitting	5.46	
26 05 29 00-0035		**Z-Bracket, Unistrut Channel Fittings** *(26 05 29 00-0017)*		
26 05 29 00-0036	EA	3-Hole, Z-Bracket, Unistrut Channel Fitting	8.53	
26 05 29 00-0037		**Unistrut Channel Pipe Clamps** *(26 05 29 00-0017)* Note: Includes hex screw and nut.		
26 05 29 00-0038	EA	1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	3.41	1.23
26 05 29 00-0039	EA	3/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	3.43	1.23
26 05 29 00-0040	EA	1" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	3.50	1.23
26 05 29 00-0041	EA	1-1/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	4.42	1.65
26 05 29 00-0042	EA	1-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	4.81	1.65
26 05 29 00-0043	EA	2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	4.85	1.65
26 05 29 00-0044	EA	2-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.96	2.06
26 05 29 00-0045	EA	3" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.30	2.06
26 05 29 00-0046	EA	3-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.63	2.06
26 05 29 00-0047	EA	4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.74	2.06
26 05 29 00-0048		**Beam Clamps** *(26 05 29 00-0017)*		
26 05 29 00-0049	EA	Set Screw Beam Clamp, Unistrut Channel Fitting	24.94	7.52
26 05 29 00-0050	EA	"C" Beam Clamp Use With 1/2" Rod Metal Framing Channel Fittings	19.77	7.52
26 05 29 00-0051	EA	"U" Bolt Beam Clamp, Unistrut Channel Fitting	24.17	7.52
26 05 29 00-0052		**Square Washers For Unistrut Channel** *(26 05 29 00-0017)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0053	EA	1/2" Bolt Size, Square Washer For Unistrut Channel	3.01	
26 05 29 00-0054		Strut Braces, Unistrut Channel Fittings *(26 05 29 00-0017)*		
26 05 29 00-0055	EA	16" Diagonal Bar Brace For Unistrut Channel	23.10	
26 05 29 00-0056		Trolley Hangers, Unistrut Channel Fittings *(26 05 29 00-0017)*		
26 05 29 00-0057	EA	Trolley Track Hanger For Unistrut Channel	28.76	
26 05 29 00-0058		Lock Nuts With Spring For Unistrut Channel *(26 05 29 00-0017)*		
		Note: Includes hex bolt.		
26 05 29 00-0059	EA	1/4-20 Lock Nut With Spring For Unistrut Channel	5.44	
26 05 29 00-0060	EA	3/8-16 Lock Nut With Spring For Unistrut Channel	5.90	
26 05 29 00-0061	EA	1/2-13 Lock Nut With Spring For Unistrut Channel	6.25	
26 05 29 00-0062	EA	5/8-11 Lock Nut With Spring For Unistrut Channel	8.13	
26 05 29 00-0063		Lock Nuts Without Spring For Unistrut Channel *(26 05 29 00-0017)*		
		Note: Includes hex bolt.		
26 05 29 00-0064	EA	1/4-20 Lock Nut Without Spring For Unistrut Channel	5.45	
26 05 29 00-0065	EA	3/8-16 Lock Nut Without Spring For Unistrut Channel	5.97	
26 05 29 00-0066	EA	1/2-13 Lock Nut Without Spring For Unistrut Channel	6.28	
26 05 29 00-0067	EA	5/8-11 Lock Nut Without Spring For Unistrut Channel	8.68	
26 05 29 00-0068		Mounting Assemblies *(26 05 29)*		
26 05 29 00-0069		Galvanized Steel Mounting Assemblies *(26 05 29 00-0068)*		
26 05 29 00-0070		Galvanized Steel Back Plate *(26 05 29 00-0069)*		
26 05 29 00-0071	EA	1/4" x 4' x 4', Galvanized Steel Back Plate, Painted	313.84	49.37
26 05 29 00-0072	EA	3/8" x 14" x 16", Galvanized Steel Back Plate, Painted	78.48	16.46
26 05 29 00-0073	EA	3/16" x 30" x 48", Galvanized Steel Back Plate, Painted	198.59	41.14
26 05 29 00-0074		Aluminum Mounting Assemblies *(26 05 29 00-0068)*		
26 05 29 00-0075		Aluminum Back Plate *(26 05 29 00-0074)*		
26 05 29 00-0076	EA	3/16" x 2' x 2' Aluminum Back Plate	180.80	61.72
26 05 29 00-0077	EA	3/16" x 4' x 4' Aluminum Back Plate	421.55	61.72
26 05 29 00-0078		Supports *(26 05 29)*		
26 05 29 00-0079		One Hole Steel Conduit Straps *(26 05 29 00-0078)*		
26 05 29 00-0080	EA	1/2", One Hole Steel Conduit Strap	2.94	
		For Work In Restricted Working Space, Add	*0.79*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.76*	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.55*	
		For >500, Deduct	*-0.82*	
26 05 29 00-0081	EA	3/4", One Hole Steel Conduit Strap	2.98	
		For Work In Restricted Working Space, Add	*0.79*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.76*	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.55*	
		For >500, Deduct	*-0.83*	
26 05 29 00-0082	EA	1", One Hole Steel Conduit Strap	3.15	
		For Work In Restricted Working Space, Add	*0.79*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.76*	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.57*	
		For >500, Deduct	*-0.84*	
26 05 29 00-0083	EA	1-1/4", One Hole Steel Conduit Strap	3.28	
		For Work In Restricted Working Space, Add	*0.79*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.76*	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-0.58*	
		For >500, Deduct	*-0.86*	
26 05 29 00-0084	EA	1-1/2", One Hole Steel Conduit Strap	3.36	
		For Work In Restricted Working Space, Add	*0.79*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.76*	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-0.58*	
		For >500, Deduct	*-0.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0085	EA	2", One Hole Steel Conduit Strap	3.88	
		For Work In Restricted Working Space, Add	*0.79*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.76*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.62*	
		For >500, Deduct	*-0.92*	
26 05 29 00-0086	EA	2-1/2", One Hole Steel Conduit Strap	4.41	
		For Work In Restricted Working Space, Add	*0.79*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.76*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.66*	
		For >500, Deduct	*-0.97*	
26 05 29 00-0087	EA	3", One Hole Steel Conduit Strap	4.59	
		For Work In Restricted Working Space, Add	*0.79*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.76*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.67*	
		For >500, Deduct	*-0.99*	
26 05 29 00-0088	EA	3-1/2", One Hole Steel Conduit Strap	5.46	
		For Work In Restricted Working Space, Add	*0.79*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.76*	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.74*	
		For >500, Deduct	*-1.07*	
26 05 29 00-0089	EA	4", One Hole Steel Conduit Strap	6.15	
		For Work In Restricted Working Space, Add	*0.79*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.76*	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.79*	
		For >500, Deduct	*-1.14*	

26 05 29 00-0090 One Hole Iron Conduit Straps *(26 05 29 00-0078)*

26 05 29 00-0091	EA	1/2", One Hole Iron Conduit Strap	3.03	
		For Work In Restricted Working Space, Add	*0.79*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.76*	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.56*	
		For >500, Deduct	*-0.83*	
26 05 29 00-0092	EA	3/4", One Hole Iron Conduit Strap	3.11	
		For Work In Restricted Working Space, Add	*0.79*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.76*	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.56*	
		For >500, Deduct	*-0.84*	
26 05 29 00-0093	EA	1", One Hole Iron Conduit Strap	3.26	
		For Work In Restricted Working Space, Add	*0.79*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.76*	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-0.57*	
		For >500, Deduct	*-0.85*	
26 05 29 00-0094	EA	1-1/4", One Hole Iron Conduit Strap	3.62	
		For Work In Restricted Working Space, Add	*0.79*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.76*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.60*	
		For >500, Deduct	*-0.89*	
26 05 29 00-0095	EA	1-1/2", One Hole Iron Conduit Strap	3.77	
		For Work In Restricted Working Space, Add	*0.79*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.76*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.61*	
		For >500, Deduct	*-0.91*	
26 05 29 00-0096	EA	2", One Hole Iron Conduit Strap	4.68	
		For Work In Restricted Working Space, Add	*0.79*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.76*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.68*	
		For >500, Deduct	*-1.00*	
26 05 29 00-0097	EA	2-1/2", One Hole Iron Conduit Strap	6.66	
		For Work In Restricted Working Space, Add	*0.79*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.76*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.83*	
		For >500, Deduct	*-1.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0098	EA	3", One Hole Iron Conduit Strap	8.30	
		For Work In Restricted Working Space, Add	*0.79*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.76*	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.55*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.36*	
26 05 29 00-0099	EA	3-1/2", One Hole Iron Conduit Strap	10.70	
		For Work In Restricted Working Space, Add	*0.79*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.76*	
		For >50 To 100, Deduct	*-0.33*	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-1.13*	
		For >500, Deduct	*-1.60*	
26 05 29 00-0100	EA	4", One Hole Iron Conduit Strap	20.32	
		For Work In Restricted Working Space, Add	*0.79*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.76*	
		For >50 To 100, Deduct	*-0.57*	
		For >100 To 250, Deduct	*-1.15*	
		For >250 To 500, Deduct	*-1.85*	
		For >500, Deduct	*-2.56*	
26 05 29 00-0101	EA	5", One Hole Iron Conduit Strap	25.49	
		For Work In Restricted Working Space, Add	*0.79*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.76*	
		For >50 To 100, Deduct	*-0.70*	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-2.24*	
		For >500, Deduct	*-3.08*	

26 05 29 00-0102 Two Hole Steel Conduit Straps *(26 05 29 00-0078)*

26 05 29 00-0103	EA	1/2", Two Hole Steel Conduit Strap	3.37	
		For Work In Restricted Working Space, Add	*0.89*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.94*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.62*	
		For >500, Deduct	*-0.93*	
26 05 29 00-0104	EA	3/4", Two Hole Steel Conduit Strap	3.43	
		For Work In Restricted Working Space, Add	*0.89*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.94*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.63*	
		For >500, Deduct	*-0.94*	
26 05 29 00-0105	EA	1", Two Hole Steel Conduit Strap	3.46	
		For Work In Restricted Working Space, Add	*0.89*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.94*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.63*	
		For >500, Deduct	*-0.94*	
26 05 29 00-0106	EA	1-1/4", Two Hole Steel Conduit Strap	3.50	
		For Work In Restricted Working Space, Add	*0.89*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.94*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.63*	
		For >500, Deduct	*-0.94*	
26 05 29 00-0107	EA	1-1/2", Two Hole Steel Conduit Strap	3.53	
		For Work In Restricted Working Space, Add	*0.89*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.94*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.64*	
		For >500, Deduct	*-0.95*	
26 05 29 00-0108	EA	2", Two Hole Steel Conduit Strap	3.60	
		For Work In Restricted Working Space, Add	*0.89*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.94*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.64*	
		For >500, Deduct	*-0.95*	
26 05 29 00-0109	EA	2-1/2", Two Hole Steel Conduit Strap	4.00	
		For Work In Restricted Working Space, Add	*0.89*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.94*	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.67*	
		For >500, Deduct	*-0.99*	
26 05 29 00-0110	EA	3", Two Hole Steel Conduit Strap	4.08	
		For Work In Restricted Working Space, Add	*0.89*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.94*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.68*	
		For >500, Deduct	*-1.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0111	EA	3-1/2", Two Hole Steel Conduit Strap	4.39	
		For Work In Restricted Working Space, Add	*0.89*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.94*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.70*	
		For >500, Deduct	*-1.03*	
26 05 29 00-0112	EA	4", Two Hole Steel Conduit Strap	4.61	
		For Work In Restricted Working Space, Add	*0.89*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.94*	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.38*	
		For >250 To 500, Deduct	*-0.72*	
		For >500, Deduct	*-1.06*	
26 05 29 00-0113	EA	5", Two Hole Steel Conduit Strap	4.89	
		For Work In Restricted Working Space, Add	*0.89*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.94*	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.74*	
		For >500, Deduct	*-1.08*	

26 05 29 00-0114 Clamp Back Spacers *(26 05 29 00-0078)*

26 05 29 00-0115	EA	1/2" Conduit, Clamp Back Spacer	2.65	
		For Work In Restricted Working Space, Add	*0.62*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.61*	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.46*	
		For >500, Deduct	*-0.68*	
26 05 29 00-0116	EA	3/4" Conduit, Clamp Back Spacer	2.85	
		For Work In Restricted Working Space, Add	*0.62*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.61*	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.47*	
		For >500, Deduct	*-0.70*	
26 05 29 00-0117	EA	1" Conduit, Clamp Back Spacer	3.04	
		For Work In Restricted Working Space, Add	*0.62*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.61*	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.48*	
		For >500, Deduct	*-0.71*	
26 05 29 00-0118	EA	1-1/4" Conduit, Clamp Back Spacer	3.78	
		For Work In Restricted Working Space, Add	*0.62*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.61*	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.54*	
		For >500, Deduct	*-0.79*	
26 05 29 00-0119	EA	1-1/2" Conduit, Clamp Back Spacer	4.37	
		For Work In Restricted Working Space, Add	*0.62*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.61*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.58*	
		For >500, Deduct	*-0.85*	
26 05 29 00-0120	EA	2" Conduit, Clamp Back Spacer	5.00	
		For Work In Restricted Working Space, Add	*0.62*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.61*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.63*	
		For >500, Deduct	*-0.91*	
26 05 29 00-0121	EA	2-1/2" Conduit, Clamp Back Spacer	7.54	
		For Work In Restricted Working Space, Add	*0.62*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.61*	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.48*	
		For >250 To 500, Deduct	*-0.82*	
		For >500, Deduct	*-1.16*	
26 05 29 00-0122	EA	3" Conduit, Clamp Back Spacer	10.58	
		For Work In Restricted Working Space, Add	*0.62*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.61*	
		For >50 To 100, Deduct	*-0.32*	
		For >100 To 250, Deduct	*-0.63*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.47*	
26 05 29 00-0123	EA	3-1/2" Conduit, Clamp Back Spacer	13.53	
		For Work In Restricted Working Space, Add	*0.62*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.61*	
		For >50 To 100, Deduct	*-0.39*	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.76*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0124	EA	4" Conduit, Clamp Back Spacer	27.37	
		For Work In Restricted Working Space, Add	*0.62*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.61*	
		For >50 To 100, Deduct	*-0.74*	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-2.31*	
		For >500, Deduct	*-3.15*	
26 05 29 00-0125	EA	5" Conduit, Clamp Back Spacer	50.74	
		For Work In Restricted Working Space, Add	*0.62*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.61*	
		For >50 To 100, Deduct	*-1.32*	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-4.06*	
		For >500, Deduct	*-5.48*	

26 05 29 00-0126 Conduit Clips *(26 05 29 00-0078)*

Note: Push in or clip.

26 05 29 00-0127	EA	1/2" Conduit Clip	3.30	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.76*	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-0.58*	
		For >500, Deduct	*-0.86*	
26 05 29 00-0128	EA	3/4" Conduit Clip	3.30	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.76*	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-0.58*	
		For >500, Deduct	*-0.86*	
26 05 29 00-0129	EA	1" Conduit Clip	3.18	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.76*	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.57*	
		For >500, Deduct	*-0.85*	
26 05 29 00-0130	EA	1-1/4" Conduit Clip	3.29	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.76*	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-0.58*	
		For >500, Deduct	*-0.86*	

26 05 29 00-0131 Bolt And Nut Conduit Clips *(26 05 29 00-0078)*

26 05 29 00-0132	EA	3/4" Bolt And Nut Conduit Clip (Minerallac 1B)	4.16	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.92*	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.72*	
		For >500, Deduct	*-1.07*	
26 05 29 00-0133	EA	1" Bolt And Nut Conduit Clip (Minerallac 2B)	4.31	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.92*	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.38*	
		For >250 To 500, Deduct	*-0.73*	
		For >500, Deduct	*-1.09*	
26 05 29 00-0134	EA	1-1/4" Bolt And Nut Conduit Clip (Minerallac 2-1/2B)	4.60	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.98*	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.78*	
		For >500, Deduct	*-1.16*	
26 05 29 00-0135	EA	1-1/2" Bolt And Nut Conduit Clip (Minerallac 3B)	4.68	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.98*	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.79*	
		For >500, Deduct	*-1.17*	
26 05 29 00-0136	EA	2" Bolt And Nut Conduit Clip (Minerallac 5B)	5.24	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.98*	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.83*	
		For >500, Deduct	*-1.22*	
26 05 29 00-0137	EA	2-1/2" Bolt And Nut Conduit Clip (Minerallac 6B)	5.68	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.03*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.89*	
		For >500, Deduct	*-1.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0138	EA	3" Bolt And Nut Conduit Clip (Minerallac 7B)	6.18	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.03*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.36*	
26 05 29 00-0139	EA	4" Bolt And Nut Conduit Clip (Minerallac 9B)	11.28	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.13*	
		For >50 To 100, Deduct	*-0.39*	
		For >100 To 250, Deduct	*-0.77*	
		For >250 To 500, Deduct	*-1.36*	
		For >500, Deduct	*-1.95*	

26 05 29 00-0140 Conduit Hanger From Flange, Wire Or Rod *(26 05 29 00-0078)*

Note: Bat wing.

26 05 29 00-0141	EA	1/2", Conduit Hanger From Flange, Wire Or Rod	2.33	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.59*	
		For >50 To 100, Deduct	*-0.11*	
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.42*	
		For >500, Deduct	*-0.63*	
26 05 29 00-0142	EA	3/4", Conduit Hanger From Flange, Wire Or Rod	2.36	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.59*	
		For >50 To 100, Deduct	*-0.11*	
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.42*	
		For >500, Deduct	*-0.63*	
26 05 29 00-0143	EA	1", Conduit Hanger From Flange, Wire Or Rod	2.45	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.59*	
		For >50 To 100, Deduct	*-0.11*	
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.43*	
		For >500, Deduct	*-0.64*	
26 05 29 00-0144	EA	1-1/4", Conduit Hanger From Flange, Wire Or Rod	2.66	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.59*	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.45*	
		For >500, Deduct	*-0.66*	

26 05 29 00-0145 Beam Flange Clamps *(26 05 29 00-0078)*

Note: For threaded rod, nut not required.

26 05 29 00-0146	EA	1/8" To 1/4" Flange Thickness, Beam Clamp (Caddy 6TA24)	3.25	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.50*	
		For >500, Deduct	*-0.74*	
26 05 29 00-0147	EA	5/16" To 1/2" Flange Thickness, Beam Clamp (Caddy 6TA58)	3.20	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.50*	
		For >500, Deduct	*-0.73*	
26 05 29 00-0148	EA	9/16" To 3/4" Flange Thickness, Beam Clamp (Caddy 6TA912)	3.53	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.52*	
		For >500, Deduct	*-0.76*	

26 05 29 00-0149 T-Bar Support Clips *(26 05 29 00-0078)*

26 05 29 00-0150	EA	9/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS95)	5.58	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.38*	
26 05 29 00-0151	EA	15/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS)	5.32	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.36*	
26 05 29 00-0152	EA	15/16 Grid Size, Twist On T-Bar Support Clip (Caddy 4G16)	1.92	
		For >50 To 100, Deduct	*-0.07*	
		For >100 To 250, Deduct	*-0.15*	
		For >250 To 500, Deduct	*-0.27*	
		For >500, Deduct	*-0.40*	
26 05 29 00-0153	EA	24" Long Snap On T-Bar Electrical Box Hanger (Caddy 512)	14.50	
		For >50 To 100, Deduct	*-0.40*	
		For >100 To 250, Deduct	*-0.81*	
		For >250 To 500, Deduct	*-1.29*	
		For >500, Deduct	*-1.78*	

26 05 29 00-0154 Switch And Outlet Box Type Supports *(26 05 29 00-0078)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0155	EA	1/4" To 3/4" Drywall Thickness, Adjustable Switch And Outlet Box Support (Caddy MFS)	3.84	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.49*	
		For >500, Deduct	*-0.71*	
26 05 29 00-0156	EA	1/2" Drywall Thickness, Riveted Switch And Outlet Box Support (Caddy MF500)	3.30	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.45*	
		For >500, Deduct	*-0.66*	
26 05 29 00-0157	EA	Flush, Riveted Switch And Outlet Box Support (Caddy MFO)	3.76	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.49*	
		For >500, Deduct	*-0.70*	
26 05 29 00-0158	EA	Snap On, Switch And Outlet Box Support (Caddy MSF)	2.52	
		For >50 To 100, Deduct	*-0.10*	
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.39*	
		For >500, Deduct	*-0.58*	
26 05 29 00-0159	EA	1/4-20 Thread Impression, Switch And Outlet Box Support (Caddy MFI)	2.62	
		For >50 To 100, Deduct	*-0.11*	
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.40*	
		For >500, Deduct	*-0.59*	

26 05 29 00-0160 Lighting Fixture Hanger *(26 05 29 00-0078)*

Note: For existing or owner furnished fixtures.

26 05 29 00-0161	EA	Lay-In/Troffer, Straight Lip Type Fixture Support Clip (Caddy 515)	3.82	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.70*	
		For >500, Deduct	*-1.04*	
26 05 29 00-0162	PR	Support Bars For Recessed "High Hat" Light Fixtures (Caddy 517)	11.85	
		For >50 To 100, Deduct	*-0.38*	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.84*	
26 05 29 00-0163	PR	Support Bars For Recessed "Lightolier" Light Fixtures (Caddy 520)	16.07	
		For >50 To 100, Deduct	*-0.48*	
		For >100 To 250, Deduct	*-0.97*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-2.27*	

26 05 29 00-0164 Rigid Steel Conduit Clamps For Unistrut Channel *(26 05 29 00-0078)*

26 05 29 00-0165	EA	1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	3.41	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.56*	
		For >500, Deduct	*-0.84*	
		For Work In Restricted Working Space, Add	*0.74*	
26 05 29 00-0166	EA	3/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	3.43	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-0.57*	
		For >500, Deduct	*-0.84*	
		For Work In Restricted Working Space, Add	*0.74*	
26 05 29 00-0167	EA	1" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	3.50	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-0.57*	
		For >500, Deduct	*-0.84*	
		For Work In Restricted Working Space, Add	*0.74*	
26 05 29 00-0168	EA	1-1/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	4.42	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.74*	
		For >500, Deduct	*-1.10*	
		For Work In Restricted Working Space, Add	*0.99*	
26 05 29 00-0169	EA	1-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	4.81	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.77*	
		For >500, Deduct	*-1.14*	
		For Work In Restricted Working Space, Add	*0.99*	
26 05 29 00-0170	EA	2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	4.85	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.78*	
		For >500, Deduct	*-1.14*	
		For Work In Restricted Working Space, Add	*0.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0171	EA	2-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.95	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.96*	
		For >500, Deduct	*-1.42*	
		For Work In Restricted Working Space, Add	*1.24*	
26 05 29 00-0172	EA	3" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.29	
		For >50 To 100, Deduct	*-0.26*	
		For >100 To 250, Deduct	*-0.52*	
		For >250 To 500, Deduct	*-0.99*	
		For >500, Deduct	*-1.45*	
		For Work In Restricted Working Space, Add	*1.24*	
26 05 29 00-0173	EA	3-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.62	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-1.01*	
		For >500, Deduct	*-1.49*	
		For Work In Restricted Working Space, Add	*1.24*	
26 05 29 00-0174	EA	4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.73	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-1.02*	
		For >500, Deduct	*-1.50*	
		For Work In Restricted Working Space, Add	*1.24*	

26 05 29 00-0175 Electrical Metallic Tubing (EMT) Conduit Clamps For Unistrut Channel *(26 05 29 00-0078)*

26 05 29 00-0176	EA	1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	3.66	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.58*	
		For >500, Deduct	*-0.86*	
		For Work In Restricted Working Space, Add	*0.74*	
26 05 29 00-0177	EA	3/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	3.63	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.58*	
		For >500, Deduct	*-0.86*	
		For Work In Restricted Working Space, Add	*0.74*	
26 05 29 00-0178	EA	1" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	3.59	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-0.58*	
		For >500, Deduct	*-0.85*	
		For Work In Restricted Working Space, Add	*0.74*	
26 05 29 00-0179	EA	1-1/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	4.73	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 500, Deduct	*-0.77*	
		For >500, Deduct	*-1.13*	
		For Work In Restricted Working Space, Add	*0.99*	
26 05 29 00-0180	EA	1-1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	5.39	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.82*	
		For >500, Deduct	*-1.20*	
		For Work In Restricted Working Space, Add	*0.99*	
26 05 29 00-0181	EA	2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	5.43	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.82*	
		For >500, Deduct	*-1.20*	
		For Work In Restricted Working Space, Add	*0.99*	

26 05 29 00-0182 "J" Type Conduit Hangers *(26 05 29 00-0078)*

26 05 29 00-0183	EA	1/2", "J" Type Conduit Hanger (Unistrut J1205)	14.62	
		For >50 To 100, Deduct	*-0.51*	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.61*	
		For Work In Restricted Working Space, Add	*1.73*	
26 05 29 00-0184	EA	3/4", "J" Type Conduit Hanger (Unistrut J1207)	14.77	
		For >50 To 100, Deduct	*-0.51*	
		For >100 To 250, Deduct	*-1.03*	
		For >250 To 500, Deduct	*-1.83*	
		For >500, Deduct	*-2.63*	
		For Work In Restricted Working Space, Add	*1.73*	
26 05 29 00-0185	EA	1", "J" Type Conduit Hanger (Unistrut J1210)	15.73	
		For >50 To 100, Deduct	*-0.56*	
		For >100 To 250, Deduct	*-1.12*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.89*	
		For Work In Restricted Working Space, Add	*1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0186	EA	1-1/4", "J" Type Conduit Hanger (Unistrut J1212)	15.90	
		For >50 To 100, Deduct	*-0.56*	
		For >100 To 250, Deduct	*-1.12*	
		For >250 To 500, Deduct	*-2.02*	
		For >500, Deduct	*-2.91*	
		For Work In Restricted Working Space, Add	*1.97*	
26 05 29 00-0187	EA	1-1/2", "J" Type Conduit Hanger (Unistrut J1215)	16.84	
		For >50 To 100, Deduct	*-0.61*	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-2.19*	
		For >500, Deduct	*-3.17*	
		For Work In Restricted Working Space, Add	*2.22*	
26 05 29 00-0188	EA	2", "J" Type Conduit Hanger (Unistrut J1220)	17.47	
		For >50 To 100, Deduct	*-0.62*	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-2.24*	
		For >500, Deduct	*-3.23*	
		For Work In Restricted Working Space, Add	*2.22*	
26 05 29 00-0189	EA	2-1/2", "J" Type Conduit Hanger (Unistrut J1225)	27.28	
		For >50 To 100, Deduct	*-0.89*	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-3.07*	
		For >500, Deduct	*-4.37*	
		For Work In Restricted Working Space, Add	*2.47*	
26 05 29 00-0190	EA	3", "J" Type Conduit Hanger (Unistrut J1230)	29.05	
		For >50 To 100, Deduct	*-0.95*	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-3.31*	
		For >500, Deduct	*-4.72*	
		For Work In Restricted Working Space, Add	*2.72*	
26 05 29 00-0191	EA	3-1/2", "J" Type Conduit Hanger (Unistrut J1235)	31.29	
		For >50 To 100, Deduct	*-1.03*	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-3.58*	
		For >500, Deduct	*-5.10*	
		For Work In Restricted Working Space, Add	*2.96*	
26 05 29 00-0192	EA	4", "J" Type Conduit Hanger (Unistrut J1240)	41.04	
		For >50 To 100, Deduct	*-1.27*	
		For >100 To 250, Deduct	*-2.55*	
		For >250 To 500, Deduct	*-4.31*	
		For >500, Deduct	*-6.08*	
		For Work In Restricted Working Space, Add	*2.96*	
26 05 29 00-0193	EA	5", "J" Type Conduit Hanger (Unistrut J1250)	45.06	
		For >50 To 100, Deduct	*-1.39*	
		For >100 To 250, Deduct	*-2.79*	
		For >250 To 500, Deduct	*-4.72*	
		For >500, Deduct	*-6.64*	
		For Work In Restricted Working Space, Add	*3.21*	
26 05 29 00-0194	EA	6", "J" Type Conduit Hanger (Unistrut J1260)	63.07	
		For >50 To 100, Deduct	*-1.89*	
		For >100 To 250, Deduct	*-3.77*	
		For >250 To 500, Deduct	*-6.27*	
		For >500, Deduct	*-8.78*	
		For Work In Restricted Working Space, Add	*3.71*	

26 05 29 00-0195 Between Studs Box Brackets *(26 05 29 00-0078)*

26 05 29 00-0196	EA	16" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB16A)	5.34	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.71*	
		For >500, Deduct	*-1.03*	
		For Work In Restricted Working Space, Add	*0.74*	
26 05 29 00-0197	EA	24" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB24A)	6.33	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.78*	
		For >500, Deduct	*-1.13*	
		For Work In Restricted Working Space, Add	*0.74*	

26 05 29 00-0198 Hangers And Brackets *(26 05 29 00-0078)*

26 05 29 00-0199	EA	Rod Hangers Only With 1/4" Thread Impression (Caddy 4TI)	2.02	
		For >50 To 100, Deduct	*-0.09*	
		For >100 To 250, Deduct	*-0.18*	
		For >250 To 500, Deduct	*-0.36*	
		For >500, Deduct	*-0.53*	
26 05 29 00-0200	EA	Angle Bracket Only With 1/4" Hole (Caddy AB)	1.96	
		For >50 To 100, Deduct	*-0.09*	
		For >100 To 250, Deduct	*-0.18*	
		For >250 To 500, Deduct	*-0.35*	
		For >500, Deduct	*-0.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0201	EA	Offset Bracket Only With 1/4" Hole (Caddy AO)	1.96	
		For >50 To 100, Deduct	*-0.09*	
		For >100 To 250, Deduct	*-0.18*	
		For >250 To 500, Deduct	*-0.35*	
		For >500, Deduct	*-0.52*	
26 05 29 00-0202	EA	Angle Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIB)	2.56	
		For >50 To 100, Deduct	*-0.11*	
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.40*	
		For >500, Deduct	*-0.58*	
26 05 29 00-0203	EA	Angle Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIB)	2.57	
		For >50 To 100, Deduct	*-0.11*	
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.40*	
		For >500, Deduct	*-0.59*	
26 05 29 00-0204	EA	Angle Bracket Mount, 1/4" Or 3/8" Threaded Rod Hanger With Nut (Caddy 6TB)	2.50	
		For >50 To 100, Deduct	*-0.10*	
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.39*	
		For >500, Deduct	*-0.58*	
26 05 29 00-0205	EA	Offset Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIO)	2.56	
		For >50 To 100, Deduct	*-0.11*	
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.40*	
		For >500, Deduct	*-0.58*	
26 05 29 00-0206	EA	Offset Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIO)	2.57	
		For >50 To 100, Deduct	*-0.11*	
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.40*	
		For >500, Deduct	*-0.59*	

26 05 29 00-0207 Clips And Accessories *(26 05 29 00-0078)*

26 05 29 00-0208	EA	1/2" Diameter Center, Bridle Ring (Caddy 2BR)	1.36	
		For >50 To 100, Deduct	*-0.06*	
		For >100 To 250, Deduct	*-0.12*	
		For >250 To 500, Deduct	*-0.23*	
		For >500, Deduct	*-0.34*	
26 05 29 00-0209	EA	3/4" Diameter Center, Bridle Ring (Caddy 2BR12)	1.38	
		For >50 To 100, Deduct	*-0.06*	
		For >100 To 250, Deduct	*-0.12*	
		For >250 To 500, Deduct	*-0.23*	
		For >500, Deduct	*-0.34*	
26 05 29 00-0210	EA	1-1/4" Diameter Center, Bridle Ring (Caddy 2BR20)	1.47	
		For >50 To 100, Deduct	*-0.06*	
		For >100 To 250, Deduct	*-0.13*	
		For >250 To 500, Deduct	*-0.24*	
		For >500, Deduct	*-0.35*	
26 05 29 00-0211	EA	2" Diameter Center, Bridle Ring (Caddy 2BR32)	1.66	
		For >50 To 100, Deduct	*-0.07*	
		For >100 To 250, Deduct	*-0.13*	
		For >250 To 500, Deduct	*-0.25*	
		For >500, Deduct	*-0.37*	

26 05 29 00-0212 Wire Ties *(26 05 29 00-0078)*

Note: Per hundred (C).

26 05 29 00-0213	C	3" Length, 18 LB Tensile Strength, Nylon Cable Ties	11.43	
		For UV Black, Add	*0.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.57*	
26 05 29 00-0214	C	4" Length, 18 LB Tensile Strength, Nylon Cable Ties	11.54	
		For UV Black, Add	*0.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.57*	
26 05 29 00-0215	C	4-3/4" Length, 18 LB Tensile Strength, Nylon Cable Ties	11.62	
		For UV Black, Add	*0.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.57*	
26 05 29 00-0216	C	5-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties	11.65	
		For UV Black, Add	*0.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.57*	
26 05 29 00-0217	C	6-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties	12.06	
		For UV Black, Add	*0.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 05 29 00-0218	C	8" Length, 18 LB Tensile Strength, Nylon Cable Ties	14.88	
		For UV Black, Add	*0.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.81*	
26 05 29 00-0219	C	4-3/4" Length, 40 LB Tensile Strength, Nylon Cable Ties	14.49	
		For UV Black, Add	*0.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.57*	
26 05 29 00-0220	C	6" Length, 40 LB Tensile Strength, Nylon Cable Ties	14.91	
		For UV Black, Add	*0.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 05 29 00-0221	C	8" Length, 40 LB Tensile Strength, Nylon Cable Ties	15.35	
		For UV Black, Add	*0.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.81*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0222		C	10" Length, 40 LB Tensile Strength, Nylon Cable Ties	23.90	
			For UV Black, Add	*2.07*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.03*	
26 05 29 00-0223		C	11-1/2" Length, 40 LB Tensile Strength, Nylon Cable Ties	25.15	
			For UV Black, Add	*2.26*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.03*	
26 05 29 00-0224		C	7" Length, 50 LB Tensile Strength, Nylon Cable Ties	16.23	
			For UV Black, Add	*1.03*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.81*	
26 05 29 00-0225		C	8" Length, 50 LB Tensile Strength, Nylon Cable Ties	15.12	
			For UV Black, Add	*0.86*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.81*	
26 05 29 00-0226		C	11" Length, 50 LB Tensile Strength, Nylon Cable Ties	24.24	
			For UV Black, Add	*2.12*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.03*	
26 05 29 00-0227		C	14-1/2" Length, 50 LB Tensile Strength, Nylon Cable Ties	28.12	
			For UV Black, Add	*2.61*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.22*	
26 05 29 00-0228		C	8" Length, 120 LB Tensile Strength, Nylon Cable Ties	28.03	
			For UV Black, Add	*2.80*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.81*	
26 05 29 00-0229		C	11" Length, 120 LB Tensile Strength, Nylon Cable Ties	30.76	
			For UV Black, Add	*3.10*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.03*	
26 05 29 00-0230		C	15" Length, 120 LB Tensile Strength, Nylon Cable Ties	37.90	
			For UV Black, Add	*4.08*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.22*	
26 05 29 00-0231		C	17" Length, 120 LB Tensile Strength, Nylon Cable Ties	55.96	
			For UV Black, Add	*6.68*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.43*	
26 05 29 00-0232		C	17-3/4" Length, 175 LB Tensile Strength, Nylon Cable Ties	54.06	
			For UV Black, Add	*6.39*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.43*	
26 05 29 00-0233		C	21-11/16" Length, 175 LB Tensile Strength, Nylon Cable Ties	66.75	
			For UV Black, Add	*8.22*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.59*	
26 05 29 00-0234		C	30" Length, 175 LB Tensile Strength, Nylon Cable Ties	77.85	
			For UV Black, Add	*9.79*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.77*	
26 05 29 00-0235		C	46" Length, 175 LB Tensile Strength, Nylon Cable Ties	108.40	
			For UV Black, Add	*14.23*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.07*	
26 05 29 00-0236		C	3/4" x 3/4" Self Adhesive Tie Mounts	27.15	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.73*	
26 05 29 00-0237		C	1.1" x 1.1" Tie Mounts With Screw	53.95	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.46*	
26 05 29 00-0238		EA	6" Length x 1/2" Width, Velcro Grip Cable Tie	1.30	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.12*	
26 05 29 00-0239		EA	8" Length x 1/2" Width, Velcro Grip Cable Tie	1.29	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.10*	
26 05 29 00-0240		EA	12" Length x 1/2" Width, Velcro Grip Cable Tie	1.57	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.10*	
26 05 29 00-0241		EA	15" Length x 3/4" Width, Velcro Grip Cable Tie	2.16	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.10*	
26 05 29 00-0242		EA	180" Length x 3/4" Width, Velcro Grip Cable Tie Roll	53.98	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.77*	

26 05 29 00-0243 Fastening Devices For Wireway And Conduit *(26 05 29)*

Note: Bolts include drilling of holes with power tools in concrete, brick, concrete block, wood, tile or steel and alignment of hangers and supports.

26 05 29 00-0244 Toggle Bolts *(26 05 29 00-0243)*

Note: Includes machine screw, toggle wing and drilling in concrete, concrete block, wood or steel.

26 05 29 00-0245		EA	1/8" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt	6.32	
			For >50 To 100, Deduct	*-0.61*	
			For >100 To 250, Deduct	*-1.22*	
			For >250 To 500, Deduct	*-2.13*	
			For >500, Deduct	*-3.04*	
26 05 29 00-0246		EA	1/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	6.49	
			For >50 To 100, Deduct	*-0.63*	
			For >100 To 250, Deduct	*-1.25*	
			For >250 To 500, Deduct	*-2.18*	
			For >500, Deduct	*-3.12*	
26 05 29 00-0247		EA	3/16" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt	6.81	
			For >50 To 100, Deduct	*-0.64*	
			For >100 To 250, Deduct	*-1.29*	
			For >250 To 500, Deduct	*-2.25*	
			For >500, Deduct	*-3.21*	
26 05 29 00-0248		EA	3/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	6.98	
			For >50 To 100, Deduct	*-0.66*	
			For >100 To 250, Deduct	*-1.32*	
			For >250 To 500, Deduct	*-2.30*	
			For >500, Deduct	*-3.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0249	EA	1/4" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	7.14	
		For >50 To 100, Deduct	*-0.68*	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-2.36*	
		For >500, Deduct	*-3.36*	
26 05 29 00-0250	EA	5/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	7.93	
		For >50 To 100, Deduct	*-0.71*	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-3.50*	
26 05 29 00-0251	EA	3/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	8.23	
		For >50 To 100, Deduct	*-0.72*	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.59*	

26 05 29 00-0252 Machine Screws *(26 05 29 00-0243)*

Note: Includes drilling in concrete, concrete block, wood or steel.

26 05 29 00-0253	EA	#8 Diameter, 2" Length, Zinc Plated Steel, Machine Screw	1.87	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.64*	
		For >500, Deduct	*-0.92*	
26 05 29 00-0254	EA	#10 Diameter, 2" Length, Zinc Plated Steel, Machine Screw	1.90	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.64*	
		For >500, Deduct	*-0.92*	
26 05 29 00-0255	EA	1/4" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	2.39	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-1.16*	
26 05 29 00-0256	EA	5/16" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	2.48	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.82*	
		For >500, Deduct	*-1.17*	
26 05 29 00-0257	EA	3/8" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	3.03	
		For >50 To 100, Deduct	*-0.28*	
		For >100 To 250, Deduct	*-0.56*	
		For >250 To 500, Deduct	*-0.98*	
		For >500, Deduct	*-1.40*	

26 05 29 00-0258 Hex Lag Bolts With Lag Shield Expansion Anchors *(26 05 29 00-0243)*

Note: Includes lag bolt, lag shield expansion anchor and drilling in concrete, concrete block, wood or steel.

26 05 29 00-0259	EA	1/4" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	2.94	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.85*	
		For >500, Deduct	*-1.21*	
26 05 29 00-0260	EA	5/16" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	2.91	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.85*	
		For >500, Deduct	*-1.21*	
26 05 29 00-0261	EA	3/8" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	4.01	
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.61*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.50*	
26 05 29 00-0262	EA	1/2" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	5.05	
		For >50 To 100, Deduct	*-0.37*	
		For >100 To 250, Deduct	*-0.73*	
		For >250 To 500, Deduct	*-1.26*	
		For >500, Deduct	*-1.78*	

26 05 29 00-0263 Hanger Lag Bolts With Hex Nuts *(26 05 29 00-0243)*

Note: Includes hanger lag bolt (threaded one side), hex nut and drilling in concrete, concrete block, wood or steel.

26 05 29 00-0264	EA	1/4" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	2.20	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.38*	
		For >250 To 500, Deduct	*-0.67*	
		For >500, Deduct	*-0.95*	
26 05 29 00-0265	EA	5/16" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	2.23	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.38*	
		For >250 To 500, Deduct	*-0.67*	
		For >500, Deduct	*-0.95*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0266	EA	3/8" Diameter, 2-1/2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	2.63	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.76*	
		For >500, Deduct	*-1.08*	

26 05 29 00-0267 Hollow Wall Screw Anchors *(26 05 29 00-0243)*

26 05 29 00-0268	EA	6-32 Screw Size, 5/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.30	
		For >50 To 100, Deduct	*-0.11*	
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.40*	
		For >500, Deduct	*-0.57*	
26 05 29 00-0269	EA	6-32 Screw Size, 5/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.33	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.40*	
		For >500, Deduct	*-0.57*	
26 05 29 00-0270	EA	6-32 Screw Size, 5/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.39	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.40*	
		For >500, Deduct	*-0.58*	
26 05 29 00-0271	EA	10-24 Screw Size, 3/8" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.74	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.48*	
		For >500, Deduct	*-0.68*	
26 05 29 00-0272	EA	10-24 Screw Size, 3/8" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.81	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.49*	
		For >500, Deduct	*-0.69*	
26 05 29 00-0273	EA	10-24 Screw Size, 3/8" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.83	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.49*	
		For >500, Deduct	*-0.69*	
26 05 29 00-0274	EA	1/4-20 Screw Size, 7/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.85	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.49*	
		For >500, Deduct	*-0.69*	
26 05 29 00-0275	EA	1/4-20 Screw Size, 7/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.95	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.50*	
		For >500, Deduct	*-0.70*	
26 05 29 00-0276	EA	1/4-20 Screw Size, 7/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.99	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.50*	
		For >500, Deduct	*-0.71*	

26 05 29 00-0277 Lead Screw Anchors *(26 05 29 00-0243)*

Note: Includes screw.

26 05 29 00-0278	EA	#6-8 Screw Size, 1/4" Hole Diameter, Lead Screw Anchor With Screw	3.09	
		For >50 To 100, Deduct	*-0.29*	
		For >100 To 250, Deduct	*-0.58*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.43*	
26 05 29 00-0279	EA	#10-14 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw	3.65	
		For >50 To 100, Deduct	*-0.34*	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-1.17*	
		For >500, Deduct	*-1.67*	
26 05 29 00-0280	EA	#16-18 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw	4.88	
		For >50 To 100, Deduct	*-0.43*	
		For >100 To 250, Deduct	*-0.86*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-2.14*	

26 05 29 00-0281 Acoustical T-Bar Clips *(26 05 29 00-0243)*

Note: For conduit installation above suspended ceilings up to 15' height.

26 05 29 00-0282	EA	1/2" Conduit, Push-In Acoustical T-Bar Clip	4.98	
		For >50 To 100, Deduct	*-0.39*	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0283	EA	3/4" Conduit, Push-In Acoustical T-Bar Clip	5.22	
		For >50 To 100, Deduct	*-0.41*	
		For >100 To 250, Deduct	*-0.81*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-2.00*	
26 05 29 00-0284	EA	1" Conduit, Push-In Acoustical T-Bar Clip	5.67	
		For >50 To 100, Deduct	*-0.43*	
		For >100 To 250, Deduct	*-0.87*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-2.13*	

26 05 29 00-0285 Threaded Rod, Accessories And Attachments *(26 05 29)*

26 05 29 00-0286 Threaded Rod And Rod Accessories *(26 05 29 00-0285)*

26 05 29 00-0287 Carbon Steel Threaded Rod *(26 05 29 00-0286)*

Note: Includes plain finish.

26 05 29 00-0288	LF	3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.32	0.52
		For Galvanized, Add	*0.52*	
		For Zinc Coated, Add	*0.37*	
26 05 29 00-0289	LF	1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.14	0.55
		For Galvanized, Add	*0.82*	
		For Zinc Coated, Add	*0.58*	
26 05 29 00-0290	LF	5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.31	0.57
		For Galvanized, Add	*1.27*	
		For Zinc Coated, Add	*0.91*	
26 05 29 00-0291	LF	3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	6.95	0.58
		For Galvanized, Add	*2.31*	
		For Zinc Coated, Add	*1.65*	
26 05 29 00-0292	LF	7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.56	0.60
		For Galvanized, Add	*2.54*	
		For Zinc Coated, Add	*1.81*	
26 05 29 00-0293	LF	1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	10.30	0.68
		For Galvanized, Add	*3.57*	
		For Zinc Coated, Add	*2.54*	
26 05 29 00-0294	LF	1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	12.78	0.76
		For Galvanized, Add	*4.50*	
		For Zinc Coated, Add	*3.21*	

26 05 29 00-0295 Threaded Rod Couplings *(26 05 29 00-0286)*

26 05 29 00-0296	EA	3/8" Diameter, Threaded Rod Coupling Nut	6.37
26 05 29 00-0297	EA	1/2" Diameter, Threaded Rod Coupling Nut	7.21
26 05 29 00-0298	EA	5/8" Diameter, Threaded Rod Coupling Nut	8.84
26 05 29 00-0299	EA	3/4" Diameter, Threaded Rod Coupling Nut	10.58
26 05 29 00-0300	EA	7/8" Diameter, Threaded Rod Coupling Nut	14.89
26 05 29 00-0301	EA	1" Diameter, Threaded Rod Coupling Nut	17.64
26 05 29 00-0302	EA	1-1/8" Diameter, Threaded Rod Coupling Nut	32.04

26 05 29 00-0303 Flat Washers *(26 05 29 00-0286)*

26 05 29 00-0304	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.55	0.21
		For Galvanized, Add	*0.02*	
26 05 29 00-0305	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.68	0.21
		For Galvanized, Add	*0.04*	
26 05 29 00-0306	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.87	0.21
		For Galvanized, Add	*0.08*	
26 05 29 00-0307	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.04	0.41
		For Galvanized, Add	*0.12*	
26 05 29 00-0308	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.16	0.41
		For Galvanized, Add	*0.14*	
26 05 29 00-0309	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.36	0.41
		For Galvanized, Add	*0.17*	
26 05 29 00-0310	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.53	0.41
		For Galvanized, Add	*0.19*	

26 05 29 00-0311 Malleable Iron Eye Sockets *(26 05 29 00-0286)*

Note: Type 16.

26 05 29 00-0312	EA	3/8" Rod Size, Malleable Iron Eye Socket	7.76
26 05 29 00-0313	EA	1/2" Rod Size, Malleable Iron Eye Socket	9.29
26 05 29 00-0314	EA	5/8" Rod Size, Malleable Iron Eye Socket	16.20
26 05 29 00-0315	EA	3/4" Rod Size, Malleable Iron Eye Socket	23.13
26 05 29 00-0316	EA	7/8" Rod Size, Malleable Iron Eye Socket	24.64

26 05 29 00-0317 Hex Nuts *(26 05 29 00-0286)*

26 05 29 00-0318	EA	3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.53	0.21
		For Galvanized, Add	*0.02*	
26 05 29 00-0319	EA	1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.65	0.21
		For Galvanized, Add	*0.04*	
26 05 29 00-0320	EA	5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.87	0.21
		For Galvanized, Add	*0.08*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0321	EA	3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.01	0.41
		For Galvanized, Add	*0.11*	
26 05 29 00-0322	EA	7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.42	0.41
		For Galvanized, Add	*0.21*	
26 05 29 00-0323	EA	1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.80	0.41
		For Galvanized, Add	*0.28*	
26 05 29 00-0324	EA	1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.88	0.41
		For Galvanized, Add	*0.53*	

26 05 29 00-0325 Forged Steel Turnbuckles *(26 05 29 00-0286)*

Note: Type 13.

26 05 29 00-0326	EA	3/8" Thread Diameter, Forged Steel Turnbuckle Body	19.03	
26 05 29 00-0327	EA	1/2" Thread Diameter, Forged Steel Turnbuckle Body	23.50	
26 05 29 00-0328	EA	5/8" Thread Diameter, Forged Steel Turnbuckle Body	31.42	
26 05 29 00-0329	EA	3/4" Thread Diameter, Forged Steel Turnbuckle Body	38.87	
26 05 29 00-0330	EA	7/8" Thread Diameter, Forged Steel Turnbuckle Body	95.37	
26 05 29 00-0331	EA	1" Thread Diameter, Forged Steel Turnbuckle Body	63.62	
26 05 29 00-0332	EA	1-1/4" Thread Diameter, Forged Steel Turnbuckle Body	127.69	

26 05 29 00-0333 Attachments *(26 05 29 00-0285)*

26 05 29 00-0334 Welded Beam Attachments *(26 05 29 00-0333)*

Note: Type 22.

26 05 29 00-0335	EA	3/8" Rod Size, Welded Beam Attachment	34.98	8.23
26 05 29 00-0336	EA	1/2" Rod Size, Welded Beam Attachment	37.30	8.64
26 05 29 00-0337	EA	5/8" Rod Size, Welded Beam Attachment	39.70	9.13
26 05 29 00-0338	EA	3/4" Rod Size, Welded Beam Attachment	50.38	9.71
26 05 29 00-0339	EA	7/8" Rod Size, Welded Beam Attachment	60.27	10.28
26 05 29 00-0340	EA	1" Rod Size, Welded Beam Attachment	84.10	11.77
26 05 29 00-0341	EA	1-1/8" Rod Size, Welded Beam Attachment	118.51	12.35

26 05 29 00-0342 C-Clamp Style Beam Clamps *(26 05 29 00-0333)*

Note: Type 23. Top or bottom flange mount.

26 05 29 00-0343	EA	3/8" Rod Size, C-Clamp Style Beam Clamp	12.57	6.18
26 05 29 00-0344	EA	1/2" Rod Size, C-Clamp Style Beam Clamp	14.91	6.60
26 05 29 00-0345	EA	5/8" Rod Size, C-Clamp Style Beam Clamp	16.88	7.07
26 05 29 00-0346	EA	3/4" Rod Size, C-Clamp Style Beam Clamp	21.53	7.61
26 05 29 00-0347	EA	7/8" Rod Size, C-Clamp Style Beam Clamp	30.92	8.24

26 05 29 00-0348 Bottom Mount I-Beam Clamps *(26 05 29 00-0333)*

Note: Type 21. For attaching threaded rod centered under beam flanges.

26 05 29 00-0349	EA	3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	33.62	8.24
26 05 29 00-0350	EA	1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	49.07	9.00
26 05 29 00-0351	EA	5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	69.76	9.89
26 05 29 00-0352	EA	3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	83.42	10.99
26 05 29 00-0353	EA	1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	200.35	12.37

26 05 29 00-0354 Steel U-Bolts *(26 05 29 00-0333)*

Note: Type 24. Includes plate and nuts.

26 05 29 00-0355	EA	1/2" Pipe Size, Zinc Plated Steel, U-Bolt	10.23	4.95
26 05 29 00-0356	EA	3/4" Pipe Size, Zinc Plated Steel, U-Bolt	11.08	5.21
26 05 29 00-0357	EA	1" Pipe Size, Zinc Plated Steel, U-Bolt	11.92	5.49
26 05 29 00-0358	EA	1-1/4" Pipe Size, Zinc Plated Steel, U-Bolt	13.51	5.82
26 05 29 00-0359	EA	1-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	13.96	6.18
26 05 29 00-0360	EA	2" Pipe Size, Zinc Plated Steel, U-Bolt	14.94	6.60
26 05 29 00-0361	EA	2-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	21.25	7.07
26 05 29 00-0362	EA	3" Pipe Size, Zinc Plated Steel, U-Bolt	23.40	7.61
26 05 29 00-0363	EA	4" Pipe Size, Zinc Plated Steel, U-Bolt	28.16	8.24

26 05 29 00-0364 Stainless Steel Threaded Rod *(26 05 29 00-0285)*

26 05 29 00-0365	LF	1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	1.95	0.41
		For 316 Stainless Steel, Add	*0.46*	
26 05 29 00-0366	LF	5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	2.84	0.45
		For 316 Stainless Steel, Add	*0.79*	
26 05 29 00-0367	LF	3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	3.61	0.52
		For 316 Stainless Steel, Add	*1.04*	
26 05 29 00-0368	LF	7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	4.90	0.53
		For 316 Stainless Steel, Add	*1.56*	
26 05 29 00-0369	LF	1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod	5.83	0.55
		For 316 Stainless Steel, Add	*1.92*	
26 05 29 00-0370	LF	5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	8.57	0.56
		For 316 Stainless Steel, Add	*3.02*	
26 05 29 00-0371	LF	3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	11.87	0.57
		For 316 Stainless Steel, Add	*4.35*	
26 05 29 00-0372	LF	7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	16.22	0.58
		For 316 Stainless Steel, Add	*6.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0373	LF	1" Diameter, 304/18-8 Stainless Steel Threaded Rod	20.81	0.68
		For 316 Stainless Steel, Add	*7.87*	
26 05 29 00-0374	LF	1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	43.67	0.82
		For 316 Stainless Steel, Add	*16.99*	
26 05 29 00-0375		Polyvinyl Chloride (PVC) Coated Supports *(26 05 29)*		
		Note: Includes stainless steel and/or Polyvinyl Chloride (PVC) coated hardware.		
26 05 29 00-0376		Polyvinyl Chloride (PVC) Coated Beam Clamps *(26 05 29 00-0375)*		
26 05 29 00-0377		Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamps *(26 05 29 00-0376)*		
26 05 29 00-0378	EA	1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	41.76	16.46
26 05 29 00-0379	EA	3/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	45.40	17.94
26 05 29 00-0380	EA	1", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	48.57	19.75
26 05 29 00-0381	EA	1-1/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	57.85	21.97
26 05 29 00-0382	EA	1-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	66.68	24.69
26 05 29 00-0383	EA	2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	79.21	27.16
26 05 29 00-0384	EA	2-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	86.60	29.63
26 05 29 00-0385	EA	3", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	95.26	32.09
26 05 29 00-0386	EA	3-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	100.75	34.56
26 05 29 00-0387	EA	4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	108.82	37.03
26 05 29 00-0388		Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamps *(26 05 29 00-0376)*		
26 05 29 00-0389	EA	1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	44.52	16.46
26 05 29 00-0390	EA	3/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	47.28	17.94
26 05 29 00-0391	EA	1", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	54.18	19.75
26 05 29 00-0392	EA	1-1/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	59.85	21.97
26 05 29 00-0393	EA	1-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	67.45	24.69
26 05 29 00-0394	EA	2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	77.89	27.16
26 05 29 00-0395	EA	2-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	89.10	29.63
26 05 29 00-0396	EA	3", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	98.57	32.09
26 05 29 00-0397	EA	3-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	104.92	34.56
26 05 29 00-0398	EA	4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	109.38	37.03
26 05 29 00-0399		Edge, Polyvinyl Chloride (PVC) Coated Beam Clamps *(26 05 29 00-0376)*		
26 05 29 00-0400	EA	1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	42.23	16.30
26 05 29 00-0401	EA	3/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	45.47	17.78
26 05 29 00-0402	EA	1", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	51.39	19.75
26 05 29 00-0403	EA	1-1/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	59.95	21.73
26 05 29 00-0404	EA	1-1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	77.25	24.69
26 05 29 00-0405	EA	2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	84.73	27.16
26 05 29 00-0406		Polyvinyl Chloride (PVC) Coated Conduit Straps *(26 05 29 00-0375)*		
26 05 29 00-0407		One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps *(26 05 29 00-0406)*		
26 05 29 00-0408	EA	1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	4.76	0.49
26 05 29 00-0409	EA	3/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	5.16	0.49
26 05 29 00-0410	EA	1", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	7.52	0.49
26 05 29 00-0411	EA	1-1/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	9.12	0.49
26 05 29 00-0412	EA	1-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	11.97	0.49
26 05 29 00-0413	EA	2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	17.91	0.49
26 05 29 00-0414	EA	2-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	23.82	0.49
26 05 29 00-0415	EA	3", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	31.87	0.49
26 05 29 00-0416	EA	3-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	56.30	0.49
26 05 29 00-0417	EA	4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	59.83	0.49
26 05 29 00-0418		Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps *(26 05 29 00-0406)*		
26 05 29 00-0419	EA	1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	9.38	0.99
26 05 29 00-0420	EA	3/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	9.42	0.99
26 05 29 00-0421	EA	1", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	9.66	0.99
26 05 29 00-0422	EA	1-1/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	12.10	0.99
26 05 29 00-0423	EA	1-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	12.43	0.99
26 05 29 00-0424	EA	2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	14.22	0.99
26 05 29 00-0425	EA	2-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	15.97	0.99
26 05 29 00-0426	EA	3", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	16.68	0.99
26 05 29 00-0427	EA	3-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	17.80	0.99
26 05 29 00-0428	EA	4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	19.29	0.99
26 05 29 00-0429		Polyvinyl Chloride (PVC) Coated Clamp Back Spacer *(26 05 29 00-0375)*		
26 05 29 00-0430		Polyvinyl Chloride (PVC) Coated Clamp Back Spacer *(26 05 29 00-0429)*		
26 05 29 00-0431	EA	1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	8.53	0.99
26 05 29 00-0432	EA	3/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	9.89	0.99
26 05 29 00-0433	EA	1" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	12.37	0.99
26 05 29 00-0434	EA	1-1/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	14.44	0.99

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0435	EA	1-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	19.25	0.99
26 05 29 00-0436	EA	2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	30.84	0.99
26 05 29 00-0437	EA	2-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	46.95	0.99
26 05 29 00-0438	EA	3" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	64.03	0.99
26 05 29 00-0439	EA	3-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	111.90	0.99
26 05 29 00-0440	EA	4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	111.90	0.99
26 05 29 00-0441		**Polyvinyl Chloride (PVC) Coated Threaded Rod And Accessories** *(26 05 29 00-0375)*		
26 05 29 00-0442		**Polyvinyl Chloride (PVC) Coated Threaded Rod** *(26 05 29 00-0441)*		
26 05 29 00-0443	LF	3/8" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod	5.87	0.66
26 05 29 00-0444	LF	1/2" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod	7.21	0.74
26 05 29 00-0445		**Attachments** *(26 05 29 00-0375)*		
26 05 29 00-0446		**Polyvinyl Chloride (PVC) Coated U-Bolts And Encapsulation Nuts** *(26 05 29 00-0445)*		
26 05 29 00-0447	EA	1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	12.34	4.95
26 05 29 00-0448	EA	3/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	12.77	5.19
26 05 29 00-0449	EA	1" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	13.46	5.52
26 05 29 00-0450	EA	1-1/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	14.32	5.85
26 05 29 00-0451	EA	1-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	15.24	6.18
26 05 29 00-0452	EA	2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	17.04	6.60
26 05 29 00-0453	EA	2-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	24.00	7.09
26 05 29 00-0454	EA	3" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	25.22	7.58
26 05 29 00-0455	EA	4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	26.91	8.24
26 05 29 00-0456	EA	5" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	42.93	9.40
26 05 29 00-0457	EA	6" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	53.02	10.88
26 05 29 00-0458		**Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamps** *(26 05 29 00-0445)*		
26 05 29 00-0459	EA	1/4", 20 Hole, 15/16" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	42.64	16.30
26 05 29 00-0460	EA	5/16", 18 Hole, 7/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	49.23	16.30
26 05 29 00-0461	EA	3/8", 16 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	51.94	16.30
26 05 29 00-0462	EA	1/2", 13 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	57.13	17.28
26 05 29 00-0463	EA	1/2", 13 Hole, 2-1/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	66.78	19.75
26 05 29 00-0464		**Polyvinyl Chloride (PVC) Coated Pipe Straps** *(26 05 29 00-0445)* Note: Includes stainless steel nuts and bolts.		
26 05 29 00-0465	EA	1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	14.90	5.43
26 05 29 00-0466	EA	3/4" Polyvinyl Chloride (PVC) Coated Pipe Strap	15.74	5.92
26 05 29 00-0467	EA	1" Polyvinyl Chloride (PVC) Coated Pipe Strap	17.13	6.41
26 05 29 00-0468	EA	1-1/4" Polyvinyl Chloride (PVC) Coated Pipe Strap	19.35	7.41
26 05 29 00-0469	EA	1-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	22.12	8.39
26 05 29 00-0470	EA	2" Polyvinyl Chloride (PVC) Coated Pipe Strap	24.45	8.89
26 05 29 00-0471	EA	2-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	27.04	9.87
26 05 29 00-0472	EA	3" Polyvinyl Chloride (PVC) Coated Pipe Strap	31.88	10.86
26 05 29 00-0473	EA	3-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	34.69	11.36
26 05 29 00-0474	EA	4" Polyvinyl Chloride (PVC) Coated Pipe Strap	36.59	12.35
26 05 29 00-0475	EA	5" Polyvinyl Chloride (PVC) Coated Pipe Strap	39.29	13.82
26 05 29 00-0476		**Polyvinyl Chloride (PVC) Coated Channel** *(26 05 29 00-0375)*		
26 05 29 00-0477	LF	Polyvinyl Chloride (PVC) Coated Channel, A12	14.46	2.47
26 05 29 00-0478	LF	Polyvinyl Chloride (PVC) Coated Channel, A12A	25.31	3.46
26 05 29 00-0479	LF	Polyvinyl Chloride (PVC) Coated Channel, A12P	15.39	2.47
26 05 29 00-0480	LF	Polyvinyl Chloride (PVC) Coated Channel, C14	11.61	2.47
26 05 29 00-0481	LF	Polyvinyl Chloride (PVC) Coated Channel, C14P	12.19	2.47
26 05 29 00-0482		**Polymer Concrete Pads** *(26 05 29)* Note: Excludes excavation and backfill.		
26 05 29 00-0483		**Polymer Concrete, Box Pads** *(26 05 29 00-0482)*		
26 05 29 00-0484	EA	24" x 36", 18" Depth, Polymer Concrete, Box Pad	738.78	90.05
26 05 29 00-0485	EA	25" x 25", 24" Depth, Polymer Concrete, Box Pad	761.87	90.05
26 05 29 00-0486	EA	40" x 44", 15" Depth, Polymer Concrete, Box Pad	974.01	90.05
26 05 29 00-0487	EA	40" x 44", 24" Depth, Polymer Concrete, Box Pad	1,009.18	90.05
26 05 29 00-0488	EA	52" x 36", 18" Depth, Polymer Concrete, Box Pad	941.26	90.05
26 05 29 00-0489	EA	44" x 44", 32" Depth, Polymer Concrete, Box Pad	1,107.37	90.05
26 05 29 00-0490	EA	40" x 58", 24" Depth, Polymer Concrete, Box Pad	1,234.74	90.05
26 05 29 00-0491	EA	52" x 50", 18" Depth, Polymer Concrete, Box Pad	1,196.47	112.56
26 05 29 00-0492	EA	74" x 76", 36" Depth, Polymer Concrete, Box Pad	1,791.57	112.56
26 05 29 00-0493	EA	93" x 93", 36" Depth, Polymer Concrete, Box Pad	2,389.61	112.56
26 05 29 00-0494		**Polymer Concrete, Telecommunications Equipment Pads** *(26 05 29 00-0482)*		
26 05 29 00-0495	EA	42" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	363.62	51.22
26 05 29 00-0496	EA	48" x 46", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	426.69	51.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0497	EA	60" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	548.50	67.53
26 05 29 00-0498	EA	54" x 48", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	571.94	67.53
26 05 29 00-0499	EA	57" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	810.54	67.53
26 05 29 00-0500	EA	72" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	843.70	67.53
26 05 29 00-0501	EA	64" x 72", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	905.49	67.53
26 05 29 00-0502	EA	72" x 64", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	905.49	67.53
26 05 29 00-0503	EA	76" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,681.77	67.53
26 05 29 00-0504	EA	96" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,903.28	67.53

26 05 29 00-0505 Polymer Concrete, Electrical Equipment Pads *(26 05 29 00-0482)*

26 05 29 00-0506	EA	24" x 25", 2" Thick, Polymer Concrete, Electrical Equipment Pad	230.05	51.22
26 05 29 00-0507	EA	24" x 36", 2" Thick, Polymer Concrete, Electrical Equipment Pad	246.27	51.22
26 05 29 00-0508	EA	24" x 44", 2" Thick, Polymer Concrete, Electrical Equipment Pad	261.04	51.22
26 05 29 00-0509	EA	24" x 58", 2" Thick, Polymer Concrete, Electrical Equipment Pad	310.09	51.22
26 05 29 00-0510	EA	40" x 40", 3" Thick, Polymer Concrete, Electrical Equipment Pad	288.20	51.22
26 05 29 00-0511	EA	42" x 42", 3" Thick, Polymer Concrete, Electrical Equipment Pad	298.51	51.22
26 05 29 00-0512	EA	48" x 42", 4" Thick, Polymer Concrete, Electrical Equipment Pad	325.26	51.22
26 05 29 00-0513	EA	48" x 46", 3" Thick, Polymer Concrete, Electrical Equipment Pad	340.86	51.22
26 05 29 00-0514	EA	54" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad	392.96	51.22
26 05 29 00-0515	EA	56" x 44", 3" Thick, Polymer Concrete, Electrical Equipment Pad	478.78	51.22
26 05 29 00-0516	EA	64" x 64", 4" Thick, Polymer Concrete, Electrical Equipment Pad	695.59	67.53
26 05 29 00-0517	EA	66" x 72", 4" Thick, Polymer Concrete, Electrical Equipment Pad	726.96	67.53
26 05 29 00-0518	EA	75" x 52", 4" Thick, Polymer Concrete, Electrical Equipment Pad	736.85	67.53
26 05 29 00-0519	EA	90" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad	802.79	67.53
26 05 29 00-0520	EA	84" x 96", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,684.75	67.53
26 05 29 00-0521	EA	96" x 80", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,980.17	67.53

26 05 33 Raceway And Boxes For Electrical Systems *(26 05)*

26 05 33 13 Conduit For Electrical Systems *(26 05 33)*

26 05 33 13-0001 Conduit Assemblies *(26 05 33 13)*

Note: With fittings and wire.

26 05 33 13-0002 Electrical Metallic Tubing (EMT) Conduit Assemblies *(26 05 33 13-0001)*

26 05 33 13-0003	CLF	1/2" Electrical Metallic Tubing (EMT) With 3 #12 THHN/THWN Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	538.08	247.59
		For Work In Restricted Working Space, Add	*148.55*	
26 05 33 13-0004	CLF	1/2" Electrical Metallic Tubing (EMT) With 4 #12 THHN/THWN Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	589.26	270.54
		For Work In Restricted Working Space, Add	*162.31*	
26 05 33 13-0005	CLF	1/2" Electrical Metallic Tubing (EMT) With 3 #10 THHN/THWN Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	569.98	258.95
		For Work In Restricted Working Space, Add	*155.36*	
26 05 33 13-0006	CLF	1/2" Electrical Metallic Tubing (EMT) With 4 #10 THHN/THWN Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	632.46	285.96
		For Work In Restricted Working Space, Add	*171.58*	
26 05 33 13-0007	CLF	3/4" Electrical Metallic Tubing (EMT) With 3 #12 THHN/THWN Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	619.09	282.27
		For Work In Restricted Working Space, Add	*169.37*	
26 05 33 13-0008	CLF	3/4" Electrical Metallic Tubing (EMT) With 4 #12 THHN/THWN Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	671.05	305.37
		For Work In Restricted Working Space, Add	*183.23*	
26 05 33 13-0009	CLF	3/4" Electrical Metallic Tubing (EMT) With 5 #12 THHN/THWN Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	722.13	328.24
		For Work In Restricted Working Space, Add	*196.96*	
26 05 33 13-0010	CLF	3/4" Electrical Metallic Tubing (EMT) With 6 #12 THHN/THWN Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	773.51	351.26
		For Work In Restricted Working Space, Add	*210.77*	
26 05 33 13-0011	CLF	3/4" Electrical Metallic Tubing (EMT) With 3 #10 THHN/THWN Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	651.42	293.63
		For Work In Restricted Working Space, Add	*176.18*	
26 05 33 13-0012	CLF	3/4" Electrical Metallic Tubing (EMT) With 4 #10 THHN/THWN Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	713.50	320.49
		For Work In Restricted Working Space, Add	*192.28*	
26 05 33 13-0013	CLF	3/4" Electrical Metallic Tubing (EMT) With 5 #10 THHN/THWN Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	775.21	347.13
		For Work In Restricted Working Space, Add	*208.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0014	CLF	3/4" Electrical Metallic Tubing (EMT) With 6 #10 THHN/THWN Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	836.89	373.76
		For Work In Restricted Working Space, Add	*224.25*	
26 05 33 13-0015	CLF	1" Electrical Metallic Tubing (EMT) With 3 #12 THHN/THWN Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	759.66	340.35
		For Work In Restricted Working Space, Add	*204.23*	
26 05 33 13-0016	CLF	1" Electrical Metallic Tubing (EMT) With 4 #12 THHN/THWN Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	810.09	362.92
		For Work In Restricted Working Space, Add	*217.76*	
26 05 33 13-0017	CLF	1" Electrical Metallic Tubing (EMT) With 5 #12 THHN/THWN Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	856.46	385.95
		For Work In Restricted Working Space, Add	*231.67*	
26 05 33 13-0018	CLF	1" Electrical Metallic Tubing (EMT) With 6 #12 THHN/THWN Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	912.11	408.97
		For Work In Restricted Working Space, Add	*245.16*	
26 05 33 13-0019	CLF	1" Electrical Metallic Tubing (EMT) With 3 #10 THHN/THWN Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	790.72	351.26
		For Work In Restricted Working Space, Add	*210.77*	
26 05 33 13-0020	CLF	1" Electrical Metallic Tubing (EMT) With 4 #10 THHN/THWN Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	852.12	377.82
		For Work In Restricted Working Space, Add	*226.67*	
26 05 33 13-0021	CLF	1" Electrical Metallic Tubing (EMT) With 5 #10 THHN/THWN Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	914.62	404.91
		For Work In Restricted Working Space, Add	*242.90*	
26 05 33 13-0022	CLF	1" Electrical Metallic Tubing (EMT) With 6 #10 THHN/THWN Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	977.76	431.31
		For Work In Restricted Working Space, Add	*259.05*	

26 05 33 13-0023 Rigid Galvanized Steel (RGS) Conduit Assemblies *(26 05 33 13-0001)*

Note: Includes conduit, terminations, straps, wire as indicated. Per CLF.

26 05 33 13-0024	CLF	1/2" Rigid Galvanized Steel (RGS) With 3 #12 THHN/THWN Wire Assembly Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.	637.18	276.49
		For Work In Restricted Working Space, Add	*165.89*	
26 05 33 13-0025	CLF	1/2" Rigid Galvanized Steel (RGS) With 4 #12 THHN/THWN Wire Assembly Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.	688.83	299.66
		For Work In Restricted Working Space, Add	*179.79*	
26 05 33 13-0026	CLF	1/2" Rigid Galvanized Steel (RGS) With 3 #10 THHN/THWN Wire Assembly Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.	669.11	287.84
		For Work In Restricted Working Space, Add	*172.70*	
26 05 33 13-0027	CLF	1/2" Rigid Galvanized Steel (RGS) With 4 #10 THHN/THWN Wire Assembly Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.	730.13	314.17
		For Work In Restricted Working Space, Add	*188.49*	
26 05 33 13-0028	CLF	3/4" Rigid Galvanized Steel (RGS) With 3 #12 THHN/THWN Wire Assembly Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.	726.20	313.04
		For Work In Restricted Working Space, Add	*187.82*	
26 05 33 13-0029	CLF	3/4" Rigid Galvanized Steel (RGS) With 4 #12 THHN/THWN Wire Assembly Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.	898.66	396.63
		For Work In Restricted Working Space, Add	*237.95*	
26 05 33 13-0030	CLF	3/4" Rigid Galvanized Steel (RGS) With 5 #12 THHN/THWN Wire Assembly Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.	827.76	358.49
		For Work In Restricted Working Space, Add	*215.09*	
26 05 33 13-0031	CLF	3/4" Rigid Galvanized Steel (RGS) With 3 #10 THHN/THWN Wire Assembly Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.	757.42	324.26
		For Work In Restricted Working Space, Add	*194.41*	
26 05 33 13-0032	CLF	3/4" Rigid Galvanized Steel (RGS) With 4 #10 THHN/THWN Wire Assembly Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.	818.96	350.96
		For Work In Restricted Working Space, Add	*210.35*	
26 05 33 13-0033	CLF	3/4" Rigid Galvanized Steel (RGS) With 5 #10 THHN/THWN Wire Assembly Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.	881.77	377.60
		For Work In Restricted Working Space, Add	*226.67*	
26 05 33 13-0034	CLF	1" Rigid Galvanized Steel (RGS) With 4 #12 THHN/THWN Wire Assembly Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.	926.11	391.96
		For Work In Restricted Working Space, Add	*235.29*	
26 05 33 13-0035	CLF	1" Rigid Galvanized Steel (RGS) With 5 #12 THHN/THWN Wire Assembly Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.	975.93	414.91
		For Work In Restricted Working Space, Add	*248.64*	
26 05 33 13-0036	CLF	1" Rigid Galvanized Steel (RGS) With 6 #12 THHN/THWN Wire Assembly Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.	1,028.93	437.78
		For Work In Restricted Working Space, Add	*262.94*	
26 05 33 13-0037	CLF	1" Rigid Galvanized Steel (RGS) With 4 #10 THHN/THWN Wire Assembly Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.	967.54	407.01
		For Work In Restricted Working Space, Add	*244.03*	
26 05 33 13-0038	CLF	1" Rigid Galvanized Steel (RGS) With 5 #10 THHN/THWN Wire Assembly Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.	1,030.30	433.64
		For Work In Restricted Working Space, Add	*260.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0039	CLF	1" Rigid Galvanized Steel (RGS) With 6 #10 THHN/THWN Wire Assembly	1,091.09	460.35
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*276.05*	
26 05 33 13-0040		**Conduit** *(26 05 33 13)*		
		Note: Includes warning tape for underground conduits. Where 4-1/2" conduit is required, use tasks for 5" conduit. Add couplings as required at each fitting.		
26 05 33 13-0041		**Conduit Installed Above Grade** *(26 05 33 13-0040)*		
		See CSI section 26 05 29 00-0000 for supporting strap, hanger and fastening.		
26 05 33 13-0042		**Rigid Galvanized Steel (RGS) Conduit** *(26 05 33 13-0041)*		
		Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0043		**Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling** *(26 05 33 13-0042)*		
		Note: Includes field bending for conduit up to 1".		
26 05 33 13-0044	LF	1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	5.62	1.65
		For >250 To 500, Deduct	*-0.07*	
		For >500 To 1,000, Deduct	*-0.32*	
		For >1,000, Deduct	*-0.46*	
		For Installation In Metal Stud Wall, Add	*0.41*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.04*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.62*	
		For Work In Restricted Working Space, Add	*1.24*	
		For Installation Above 14', Add	*0.62*	
26 05 33 13-0045	LF	3/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	6.34	1.80
		For >250 To 500, Deduct	*-0.09*	
		For >500 To 1,000, Deduct	*-0.36*	
		For >1,000, Deduct	*-0.52*	
		For Installation In Metal Stud Wall, Add	*0.45*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.13*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.68*	
		For Work In Restricted Working Space, Add	*1.35*	
		For Installation Above 14', Add	*0.68*	
26 05 33 13-0046	LF	1" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	8.09	2.11
		For >250 To 500, Deduct	*-0.14*	
		For >500 To 1,000, Deduct	*-0.48*	
		For >1,000, Deduct	*-0.68*	
		For Installation In Metal Stud Wall, Add	*0.53*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.32*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.79*	
		For Work In Restricted Working Space, Add	*1.58*	
		For Installation Above 14', Add	*0.79*	
26 05 33 13-0047	LF	1-1/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	9.79	2.41
		For >250 To 500, Deduct	*-0.19*	
		For >500 To 1,000, Deduct	*-0.58*	
		For >1,000, Deduct	*-0.83*	
		For Installation In Metal Stud Wall, Add	*0.60*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.51*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.90*	
		For Work In Restricted Working Space, Add	*1.81*	
		For Installation Above 14', Add	*0.90*	
26 05 33 13-0048	LF	1-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	11.38	2.71
		For >250 To 500, Deduct	*-0.23*	
		For >500 To 1,000, Deduct	*-0.68*	
		For >1,000, Deduct	*-0.97*	
		For Installation In Metal Stud Wall, Add	*0.68*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.69*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.02*	
		For Work In Restricted Working Space, Add	*2.03*	
		For Installation Above 14', Add	*1.02*	
26 05 33 13-0049	LF	2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	14.44	3.31
		For >250 To 500, Deduct	*-0.31*	
		For >500 To 1,000, Deduct	*-0.88*	
		For >1,000, Deduct	*-1.24*	
		For Installation In Metal Stud Wall, Add	*0.83*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.07*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.24*	
		For Work In Restricted Working Space, Add	*2.48*	
		For Installation Above 14', Add	*1.24*	
26 05 33 13-0050	LF	2-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	21.52	4.51
		For >250 To 500, Deduct	*-0.51*	
		For >500 To 1,000, Deduct	*-1.33*	
		For >1,000, Deduct	*-1.87*	
		For Installation In Metal Stud Wall, Add	*1.13*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.82*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.69*	
		For Work In Restricted Working Space, Add	*3.39*	
		For Installation Above 14', Add	*1.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0051	LF	3" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	28.06	6.02
		For >250 To 500, Deduct	*-0.65*	
		For >500 To 1,000, Deduct	*-1.73*	
		For >1,000, Deduct	*-2.43*	
		For Installation In Metal Stud Wall, Add	*1.51*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*3.76*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*2.26*	
		For Work In Restricted Working Space, Add	*4.52*	
		For Installation Above 14', Add	*2.26*	
26 05 33 13-0052	LF	3-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	34.69	7.52
		For >250 To 500, Deduct	*-0.79*	
		For >500 To 1,000, Deduct	*-2.13*	
		For >1,000, Deduct	*-3.00*	
		For Installation In Metal Stud Wall, Add	*1.88*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*4.70*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*2.82*	
		For Work In Restricted Working Space, Add	*5.64*	
		For Installation Above 14', Add	*2.82*	
26 05 33 13-0053	LF	4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	41.04	9.02
		For >250 To 500, Deduct	*-0.92*	
		For >500 To 1,000, Deduct	*-2.51*	
		For >1,000, Deduct	*-3.54*	
		For Installation In Metal Stud Wall, Add	*2.26*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*5.64*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*3.39*	
		For Work In Restricted Working Space, Add	*6.77*	
		For Installation Above 14', Add	*3.39*	
26 05 33 13-0054	LF	5" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	66.02	11.44
		For >250 To 500, Deduct	*-1.87*	
		For >500 To 1,000, Deduct	*-4.24*	
		For >1,000, Deduct	*-5.89*	
		For Installation In Metal Stud Wall, Add	*2.86*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*7.15*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*4.29*	
		For Work In Restricted Working Space, Add	*8.57*	
		For Installation Above 14', Add	*4.29*	
26 05 33 13-0055	LF	6" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	88.74	14.45
		For >250 To 500, Deduct	*-2.63*	
		For >500 To 1,000, Deduct	*-5.75*	
		For >1,000, Deduct	*-7.97*	
		For Installation In Metal Stud Wall, Add	*3.61*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*9.03*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*5.42*	
		For Work In Restricted Working Space, Add	*10.83*	
		For Installation Above 14', Add	*5.42*	

26 05 33 13-0056 Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow *(26 05 33 13-0042)*

See CSI section 26 05 33 13-2157 for conduit field bending.

26 05 33 13-0057	EA	1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	22.58	7.45
		For Work In Restricted Working Space, Add	*5.60*	
		For Installation Above 14', Add	*2.80*	
26 05 33 13-0058	EA	3/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	28.37	9.25
		For Work In Restricted Working Space, Add	*6.97*	
		For Installation Above 14', Add	*3.48*	
26 05 33 13-0059	EA	1" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	36.24	11.36
		For Work In Restricted Working Space, Add	*8.50*	
		For Installation Above 14', Add	*4.25*	
26 05 33 13-0060	EA	1-1/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	46.44	13.16
		For Work In Restricted Working Space, Add	*9.87*	
		For Installation Above 14', Add	*4.93*	
26 05 33 13-0061	EA	1-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	53.91	15.12
		For Work In Restricted Working Space, Add	*11.33*	
		For Installation Above 14', Add	*5.66*	
26 05 33 13-0062	EA	2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	63.73	16.62
		For Work In Restricted Working Space, Add	*12.46*	
		For Installation Above 14', Add	*6.23*	
26 05 33 13-0063	EA	2-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	91.48	20.76
		For Work In Restricted Working Space, Add	*15.57*	
		For Installation Above 14', Add	*7.79*	
26 05 33 13-0064	EA	3" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	129.64	28.28
		For Work In Restricted Working Space, Add	*21.21*	
		For Installation Above 14', Add	*10.61*	
26 05 33 13-0065	EA	3-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	171.89	31.90
		For Work In Restricted Working Space, Add	*23.93*	
		For Installation Above 14', Add	*11.96*	
26 05 33 13-0066	EA	4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	209.97	41.53
		For Work In Restricted Working Space, Add	*31.14*	
		For Installation Above 14', Add	*15.57*	
26 05 33 13-0067	EA	5" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	343.49	67.71
		For Work In Restricted Working Space, Add	*50.79*	
		For Installation Above 14', Add	*25.39*	
26 05 33 13-0068	EA	6" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	516.39	101.71
		For Work In Restricted Working Space, Add	*76.28*	
		For Installation Above 14', Add	*38.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0069		**Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow** *(26 05 33 13-0042)*		
		See CSI section 26 05 33 13-2157 for conduit field bending.		
26 05 33 13-0070	EA	1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	22.58	7.45
		For Work In Restricted Working Space, Add	*5.60*	
		For Installation Above 14', Add	*2.80*	
26 05 33 13-0071	EA	3/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	28.37	9.25
		For Work In Restricted Working Space, Add	*6.97*	
		For Installation Above 14', Add	*3.48*	
26 05 33 13-0072	EA	1" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	36.24	11.36
		For Work In Restricted Working Space, Add	*8.50*	
		For Installation Above 14', Add	*4.25*	
26 05 33 13-0073	EA	1-1/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	46.44	13.16
		For Work In Restricted Working Space, Add	*9.87*	
		For Installation Above 14', Add	*4.93*	
26 05 33 13-0074	EA	1-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	53.91	15.12
		For Work In Restricted Working Space, Add	*11.33*	
		For Installation Above 14', Add	*5.66*	
26 05 33 13-0075	EA	2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	63.73	16.62
		For Work In Restricted Working Space, Add	*12.46*	
		For Installation Above 14', Add	*6.23*	
26 05 33 13-0076	EA	2-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	89.87	20.76
		For Work In Restricted Working Space, Add	*15.57*	
		For Installation Above 14', Add	*7.79*	
26 05 33 13-0077	EA	3" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	123.38	28.28
		For Work In Restricted Working Space, Add	*21.21*	
		For Installation Above 14', Add	*10.61*	
26 05 33 13-0078	EA	3-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	163.08	31.90
		For Work In Restricted Working Space, Add	*23.93*	
		For Installation Above 14', Add	*11.96*	
26 05 33 13-0079	EA	4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	198.26	41.53
		For Work In Restricted Working Space, Add	*31.14*	
		For Installation Above 14', Add	*15.57*	
26 05 33 13-0080	EA	5" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	343.49	67.71
		For Work In Restricted Working Space, Add	*50.79*	
		For Installation Above 14', Add	*25.39*	
26 05 33 13-0081	EA	6" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	516.39	101.71
		For Work In Restricted Working Space, Add	*76.28*	
		For Installation Above 14', Add	*38.14*	
26 05 33 13-0082		**Rigid Galvanized Steel (RGS) 12" Large Radius Elbow** *(26 05 33 13-0042)*		
		See CSI section 26 05 33 13-2157 for conduit field bending.		
26 05 33 13-0083	EA	1" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	56.04	18.58
		For Work In Restricted Working Space, Add	*11.15*	
		For Installation Above 14', Add	*5.58*	
26 05 33 13-0084	EA	1-1/4" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	64.56	21.52
		For Work In Restricted Working Space, Add	*12.91*	
		For Installation Above 14', Add	*6.45*	
26 05 33 13-0085	EA	1-1/2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	74.70	24.45
		For Work In Restricted Working Space, Add	*14.67*	
		For Installation Above 14', Add	*7.34*	
26 05 33 13-0086	EA	2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	84.18	26.90
		For Work In Restricted Working Space, Add	*16.14*	
		For Installation Above 14', Add	*8.07*	
26 05 33 13-0087		**Rigid Galvanized Steel (RGS) 15" Large Radius Elbow** *(26 05 33 13-0042)*		
		See CSI section 26 05 33 13-2157 for conduit field bending.		
26 05 33 13-0088	EA	1" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	60.93	18.58
		For Work In Restricted Working Space, Add	*11.15*	
		For Installation Above 14', Add	*5.58*	
26 05 33 13-0089	EA	1-1/4" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	70.85	21.52
		For Work In Restricted Working Space, Add	*12.91*	
		For Installation Above 14', Add	*6.45*	
26 05 33 13-0090	EA	1-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	77.56	24.45
		For Work In Restricted Working Space, Add	*14.67*	
		For Installation Above 14', Add	*7.34*	
26 05 33 13-0091	EA	2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	87.39	26.90
		For Work In Restricted Working Space, Add	*16.14*	
		For Installation Above 14', Add	*8.07*	
26 05 33 13-0092	EA	2-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	116.24	33.74
		For Work In Restricted Working Space, Add	*20.24*	
		For Installation Above 14', Add	*10.12*	
26 05 33 13-0093	EA	3" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	156.42	45.97
		For Work In Restricted Working Space, Add	*27.58*	
		For Installation Above 14', Add	*13.79*	
26 05 33 13-0094		**Rigid Galvanized Steel (RGS) 18" Large Radius Elbow** *(26 05 33 13-0042)*		
		See CSI section 26 05 33 13-2157 for conduit field bending.		
26 05 33 13-0095	EA	1" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	61.16	18.58
		For Work In Restricted Working Space, Add	*11.15*	
		For Installation Above 14', Add	*5.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0096	EA	1-1/4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	70.23	21.52
		For Work In Restricted Working Space, Add	*12.91*	
		For Installation Above 14', Add	*6.45*	
26 05 33 13-0097	EA	1-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	80.66	24.45
		For Work In Restricted Working Space, Add	*14.67*	
		For Installation Above 14', Add	*7.34*	
26 05 33 13-0098	EA	2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	94.32	26.90
		For Work In Restricted Working Space, Add	*16.14*	
		For Installation Above 14', Add	*8.07*	
26 05 33 13-0099	EA	2-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	122.69	33.74
		For Work In Restricted Working Space, Add	*20.24*	
		For Installation Above 14', Add	*10.12*	
26 05 33 13-0100	EA	3" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	161.63	45.97
		For Work In Restricted Working Space, Add	*27.58*	
		For Installation Above 14', Add	*13.79*	
26 05 33 13-0101	EA	3-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	202.18	51.83
		For Work In Restricted Working Space, Add	*31.10*	
		For Installation Above 14', Add	*15.55*	
26 05 33 13-0102	EA	4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	245.04	67.48
		For Work In Restricted Working Space, Add	*40.49*	
		For Installation Above 14', Add	*20.25*	

26 05 33 13-0103 Rigid Galvanized Steel (RGS) 24" Large Radius Elbow *(26 05 33 13-0042)*

See CSI section 26 05 33 13-2157 for conduit field bending.

26 05 33 13-0104	EA	1" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	68.96	18.58
		For Work In Restricted Working Space, Add	*11.15*	
		For Installation Above 14', Add	*5.58*	
26 05 33 13-0105	EA	1-1/4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	77.89	21.52
		For Work In Restricted Working Space, Add	*12.91*	
		For Installation Above 14', Add	*6.45*	
26 05 33 13-0106	EA	1-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	86.39	24.45
		For Work In Restricted Working Space, Add	*14.67*	
		For Installation Above 14', Add	*7.34*	
26 05 33 13-0107	EA	2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	102.77	26.90
		For Work In Restricted Working Space, Add	*16.14*	
		For Installation Above 14', Add	*8.07*	
26 05 33 13-0108	EA	2-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	134.22	33.74
		For Work In Restricted Working Space, Add	*20.24*	
		For Installation Above 14', Add	*10.12*	
26 05 33 13-0109	EA	3" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	179.70	45.97
		For Work In Restricted Working Space, Add	*27.58*	
		For Installation Above 14', Add	*13.79*	
26 05 33 13-0110	EA	3-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	219.75	51.83
		For Work In Restricted Working Space, Add	*31.10*	
		For Installation Above 14', Add	*15.55*	
26 05 33 13-0111	EA	4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	259.05	67.48
		For Work In Restricted Working Space, Add	*40.49*	
		For Installation Above 14', Add	*20.25*	

26 05 33 13-0112 Rigid Galvanized Steel (RGS) 30" Large Radius Elbow *(26 05 33 13-0042)*

See CSI section 26 05 33 13-2157 for conduit field bending.

26 05 33 13-0113	EA	1" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	68.49	18.58
		For Work In Restricted Working Space, Add	*11.15*	
		For Installation Above 14', Add	*5.58*	
26 05 33 13-0114	EA	1-1/4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	83.58	21.52
		For Work In Restricted Working Space, Add	*12.91*	
		For Installation Above 14', Add	*6.45*	
26 05 33 13-0115	EA	1-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	92.55	24.45
		For Work In Restricted Working Space, Add	*14.67*	
		For Installation Above 14', Add	*7.34*	
26 05 33 13-0116	EA	2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	110.82	26.90
		For Work In Restricted Working Space, Add	*16.14*	
		For Installation Above 14', Add	*8.07*	
26 05 33 13-0117	EA	2-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	145.28	33.74
		For Work In Restricted Working Space, Add	*20.24*	
		For Installation Above 14', Add	*10.12*	
26 05 33 13-0118	EA	3" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	193.97	45.97
		For Work In Restricted Working Space, Add	*27.58*	
		For Installation Above 14', Add	*13.79*	
26 05 33 13-0119	EA	3-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	237.11	51.83
		For Work In Restricted Working Space, Add	*31.10*	
		For Installation Above 14', Add	*15.55*	
26 05 33 13-0120	EA	4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	284.75	67.48
		For Work In Restricted Working Space, Add	*40.49*	
		For Installation Above 14', Add	*20.25*	
26 05 33 13-0121	EA	5" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	412.44	110.02
		For Work In Restricted Working Space, Add	*66.02*	
		For Installation Above 14', Add	*33.01*	

26 05 33 13-0122 Rigid Galvanized Steel (RGS) 36" Large Radius Elbow *(26 05 33 13-0042)*

See CSI section 26 05 33 13-2157 for conduit field bending.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0123	EA	1" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	72.66	18.58
		For Work In Restricted Working Space, Add	*11.15*	
		For Installation Above 14', Add	*5.58*	
26 05 33 13-0124	EA	1-1/4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	86.38	21.52
		For Work In Restricted Working Space, Add	*12.91*	
		For Installation Above 14', Add	*6.45*	
26 05 33 13-0125	EA	1-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	103.35	24.45
		For Work In Restricted Working Space, Add	*14.67*	
		For Installation Above 14', Add	*7.34*	
26 05 33 13-0126	EA	2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	117.11	26.90
		For Work In Restricted Working Space, Add	*16.14*	
		For Installation Above 14', Add	*8.07*	
26 05 33 13-0127	EA	2-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	158.39	33.74
		For Work In Restricted Working Space, Add	*20.24*	
		For Installation Above 14', Add	*10.12*	
26 05 33 13-0128	EA	3" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	206.17	45.97
		For Work In Restricted Working Space, Add	*27.58*	
		For Installation Above 14', Add	*13.79*	
26 05 33 13-0129	EA	3-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	259.54	51.83
		For Work In Restricted Working Space, Add	*31.10*	
		For Installation Above 14', Add	*15.55*	
26 05 33 13-0130	EA	4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	296.84	67.48
		For Work In Restricted Working Space, Add	*40.49*	
		For Installation Above 14', Add	*20.25*	
26 05 33 13-0131	EA	5" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	511.10	110.02
		For Work In Restricted Working Space, Add	*66.02*	
		For Installation Above 14', Add	*33.01*	
26 05 33 13-0132	EA	6" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	650.33	165.29
		For Work In Restricted Working Space, Add	*99.17*	
		For Installation Above 14', Add	*49.59*	

26 05 33 13-0133 Rigid Galvanized Steel (RGS) 42" Large Radius Elbow *(26 05 33 13-0042)*

See CSI section 26 05 33 13-2157 for conduit field bending.

26 05 33 13-0134	EA	1" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	78.76	18.58
		For Work In Restricted Working Space, Add	*11.15*	
		For Installation Above 14', Add	*5.58*	
26 05 33 13-0135	EA	1-1/4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	93.83	21.52
		For Work In Restricted Working Space, Add	*12.91*	
		For Installation Above 14', Add	*6.45*	
26 05 33 13-0136	EA	1-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	111.28	24.45
		For Work In Restricted Working Space, Add	*14.67*	
		For Installation Above 14', Add	*7.34*	
26 05 33 13-0137	EA	2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	125.39	26.90
		For Work In Restricted Working Space, Add	*16.14*	
		For Installation Above 14', Add	*8.07*	
26 05 33 13-0138	EA	2-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	168.42	33.74
		For Work In Restricted Working Space, Add	*20.24*	
		For Installation Above 14', Add	*10.12*	
26 05 33 13-0139	EA	3" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	224.05	45.97
		For Work In Restricted Working Space, Add	*27.58*	
		For Installation Above 14', Add	*13.79*	
26 05 33 13-0140	EA	3-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	277.47	51.83
		For Work In Restricted Working Space, Add	*31.10*	
		For Installation Above 14', Add	*15.55*	
26 05 33 13-0141	EA	4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	348.44	67.48
		For Work In Restricted Working Space, Add	*40.49*	
		For Installation Above 14', Add	*20.25*	
26 05 33 13-0142	EA	5" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	582.28	110.02
		For Work In Restricted Working Space, Add	*66.02*	
		For Installation Above 14', Add	*33.01*	
26 05 33 13-0143	EA	6" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	711.96	165.29
		For Work In Restricted Working Space, Add	*99.17*	
		For Installation Above 14', Add	*49.59*	

26 05 33 13-0144 Rigid Galvanized Steel (RGS) 48" Large Radius Elbow *(26 05 33 13-0042)*

See CSI section 26 05 33 13-2157 for conduit field bending.

26 05 33 13-0145	EA	1" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	83.84	18.58
		For Work In Restricted Working Space, Add	*11.15*	
		For Installation Above 14', Add	*5.58*	
26 05 33 13-0146	EA	1-1/4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	99.58	21.52
		For Work In Restricted Working Space, Add	*12.91*	
		For Installation Above 14', Add	*6.45*	
26 05 33 13-0147	EA	1-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	116.29	24.45
		For Work In Restricted Working Space, Add	*14.67*	
		For Installation Above 14', Add	*7.34*	
26 05 33 13-0148	EA	2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	140.87	26.90
		For Work In Restricted Working Space, Add	*16.14*	
		For Installation Above 14', Add	*8.07*	
26 05 33 13-0149	EA	2-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	186.92	33.74
		For Work In Restricted Working Space, Add	*20.24*	
		For Installation Above 14', Add	*10.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0150	EA	3" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	242.07	45.97
		For Work In Restricted Working Space, Add	*27.58*	
		For Installation Above 14', Add	*13.79*	
26 05 33 13-0151	EA	3-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	300.01	51.83
		For Work In Restricted Working Space, Add	*31.10*	
		For Installation Above 14', Add	*15.55*	
26 05 33 13-0152	EA	4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	375.82	67.48
		For Work In Restricted Working Space, Add	*40.49*	
		For Installation Above 14', Add	*20.25*	
26 05 33 13-0153	EA	5" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	604.56	110.02
		For Work In Restricted Working Space, Add	*66.02*	
		For Installation Above 14', Add	*33.01*	
26 05 33 13-0154	EA	6" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	724.43	165.29
		For Work In Restricted Working Space, Add	*99.17*	
		For Installation Above 14', Add	*49.59*	

26 05 33 13-0155 Rigid Galvanized Steel (RGS) Plastic Insulating Bushing *(26 05 33 13-0042)*

26 05 33 13-0156	EA	1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	9.86	4.79
		For Work In Restricted Working Space, Add	*2.88*	
		For Installation Above 14', Add	*1.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.88*	
26 05 33 13-0157	EA	3/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	10.60	5.11
		For Work In Restricted Working Space, Add	*3.07*	
		For Installation Above 14', Add	*1.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.07*	
26 05 33 13-0158	EA	1" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	12.06	5.75
		For Work In Restricted Working Space, Add	*3.45*	
		For Installation Above 14', Add	*1.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.45*	
26 05 33 13-0159	EA	1-1/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	13.59	6.40
		For Work In Restricted Working Space, Add	*3.84*	
		For Installation Above 14', Add	*1.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 05 33 13-0160	EA	1-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	17.08	7.99
		For Work In Restricted Working Space, Add	*4.80*	
		For Installation Above 14', Add	*2.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.80*	
26 05 33 13-0161	EA	2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	21.20	9.59
		For Work In Restricted Working Space, Add	*5.75*	
		For Installation Above 14', Add	*2.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.75*	
26 05 33 13-0162	EA	2-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	26.85	11.19
		For Work In Restricted Working Space, Add	*6.71*	
		For Installation Above 14', Add	*3.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.71*	
26 05 33 13-0163	EA	3" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	30.29	12.79
		For Work In Restricted Working Space, Add	*7.67*	
		For Installation Above 14', Add	*3.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.67*	
26 05 33 13-0164	EA	3-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	35.32	12.04
		For Work In Restricted Working Space, Add	*8.63*	
		For Installation Above 14', Add	*4.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.63*	
26 05 33 13-0165	EA	4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	39.18	15.99
		For Work In Restricted Working Space, Add	*9.59*	
		For Installation Above 14', Add	*4.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.59*	
26 05 33 13-0166	EA	5" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	47.47	17.59
		For Work In Restricted Working Space, Add	*10.55*	
		For Installation Above 14', Add	*5.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.55*	
26 05 33 13-0167	EA	6" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	69.51	19.18
		For Work In Restricted Working Space, Add	*11.51*	
		For Installation Above 14', Add	*5.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.51*	

26 05 33 13-0168 Rigid Galvanized Steel (RGS) Steel Bushing *(26 05 33 13-0042)*

26 05 33 13-0169	EA	1/2" Rigid Galvanized Steel (RGS) Steel Bushing	11.97	5.64
		For Work In Restricted Working Space, Add	*3.39*	
		For Installation Above 14', Add	*1.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.39*	
26 05 33 13-0170	EA	3/4" Rigid Galvanized Steel (RGS) Steel Bushing	13.04	6.02
		For Work In Restricted Working Space, Add	*3.61*	
		For Installation Above 14', Add	*1.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.61*	
26 05 33 13-0171	EA	1" Rigid Galvanized Steel (RGS) Steel Bushing	15.28	6.77
		For Work In Restricted Working Space, Add	*4.07*	
		For Installation Above 14', Add	*2.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.07*	
26 05 33 13-0172	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Bushing	17.19	7.52
		For Work In Restricted Working Space, Add	*4.52*	
		For Installation Above 14', Add	*2.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0173	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	21.98	9.40
		For Work In Restricted Working Space, Add	*5.64*	
		For Installation Above 14', Add	*2.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.64*	
26 05 33 13-0174	EA	2" Rigid Galvanized Steel (RGS) Steel Bushing	25.98	11.29
		For Work In Restricted Working Space, Add	*6.77*	
		For Installation Above 14', Add	*3.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	
26 05 33 13-0175	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	37.03	13.16
		For Work In Restricted Working Space, Add	*7.90*	
		For Installation Above 14', Add	*3.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.90*	
26 05 33 13-0176	EA	3" Rigid Galvanized Steel (RGS) Steel Bushing	44.15	15.05
		For Work In Restricted Working Space, Add	*9.03*	
		For Installation Above 14', Add	*4.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.03*	
26 05 33 13-0177	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	66.66	16.92
		For Work In Restricted Working Space, Add	*10.16*	
		For Installation Above 14', Add	*5.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.16*	
26 05 33 13-0178	EA	4" Rigid Galvanized Steel (RGS) Steel Bushing	90.82	18.81
		For Work In Restricted Working Space, Add	*11.29*	
		For Installation Above 14', Add	*5.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.29*	
26 05 33 13-0179	EA	5" Rigid Galvanized Steel (RGS) Steel Bushing	122.07	20.69
		For Work In Restricted Working Space, Add	*12.41*	
		For Installation Above 14', Add	*6.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.41*	
26 05 33 13-0180	EA	6" Rigid Galvanized Steel (RGS) Steel Bushing	181.33	22.57
		For Work In Restricted Working Space, Add	*13.54*	
		For Installation Above 14', Add	*6.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.54*	

26 05 33 13-0181 Rigid Galvanized Steel (RGS) Steel Insulated Bushing *(26 05 33 13-0042)*

26 05 33 13-0182	EA	1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	12.78	5.64
		For Work In Restricted Working Space, Add	*3.39*	
		For Installation Above 14', Add	*1.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.39*	
26 05 33 13-0183	EA	3/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	14.25	6.02
		For Work In Restricted Working Space, Add	*3.61*	
		For Installation Above 14', Add	*1.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.61*	
26 05 33 13-0184	EA	1" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	16.81	6.77
		For Work In Restricted Working Space, Add	*4.07*	
		For Installation Above 14', Add	*2.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.07*	
26 05 33 13-0185	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	19.78	7.52
		For Work In Restricted Working Space, Add	*4.52*	
		For Installation Above 14', Add	*2.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.52*	
26 05 33 13-0186	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	24.67	9.40
		For Work In Restricted Working Space, Add	*5.64*	
		For Installation Above 14', Add	*2.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.64*	
26 05 33 13-0187	EA	2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	30.76	11.29
		For Work In Restricted Working Space, Add	*6.77*	
		For Installation Above 14', Add	*3.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	
26 05 33 13-0188	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	43.51	13.16
		For Work In Restricted Working Space, Add	*7.90*	
		For Installation Above 14', Add	*3.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.90*	
26 05 33 13-0189	EA	3" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	51.74	15.05
		For Work In Restricted Working Space, Add	*9.03*	
		For Installation Above 14', Add	*4.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.03*	
26 05 33 13-0190	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	68.08	16.92
		For Work In Restricted Working Space, Add	*10.16*	
		For Installation Above 14', Add	*5.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.16*	
26 05 33 13-0191	EA	4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	97.15	18.81
		For Work In Restricted Working Space, Add	*11.29*	
		For Installation Above 14', Add	*5.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.29*	
26 05 33 13-0192	EA	5" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	128.97	20.69
		For Work In Restricted Working Space, Add	*12.41*	
		For Installation Above 14', Add	*6.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.41*	
26 05 33 13-0193	EA	6" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	183.76	22.57
		For Work In Restricted Working Space, Add	*13.54*	
		For Installation Above 14', Add	*6.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.54*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0194		Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing *(26 05 33 13-0042)*			
26 05 33 13-0195	EA	1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing		19.56	6.77
		For Work In Restricted Working Space, Add		*4.07*	
		For Installation Above 14', Add		*2.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*4.07*	
26 05 33 13-0196	EA	3/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing		21.91	7.52
		For Work In Restricted Working Space, Add		*4.52*	
		For Installation Above 14', Add		*2.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*4.52*	
26 05 33 13-0197	EA	1" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing		25.11	8.27
		For Work In Restricted Working Space, Add		*4.97*	
		For Installation Above 14', Add		*2.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*4.97*	
26 05 33 13-0198	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing		29.88	9.40
		For Work In Restricted Working Space, Add		*5.64*	
		For Installation Above 14', Add		*2.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*5.64*	
26 05 33 13-0199	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing		36.10	11.66
		For Work In Restricted Working Space, Add		*7.00*	
		For Installation Above 14', Add		*3.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*7.00*	
26 05 33 13-0200	EA	2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing		45.59	13.92
		For Work In Restricted Working Space, Add		*8.35*	
		For Installation Above 14', Add		*4.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*8.35*	
26 05 33 13-0201	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing		61.35	16.17
		For Work In Restricted Working Space, Add		*9.71*	
		For Installation Above 14', Add		*4.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*9.71*	
26 05 33 13-0202	EA	3" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing		67.54	18.81
		For Work In Restricted Working Space, Add		*11.29*	
		For Installation Above 14', Add		*5.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*11.29*	
26 05 33 13-0203	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing		76.40	21.06
		For Work In Restricted Working Space, Add		*12.64*	
		For Installation Above 14', Add		*6.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*12.64*	
26 05 33 13-0204	EA	4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing		99.09	23.32
		For Work In Restricted Working Space, Add		*13.99*	
		For Installation Above 14', Add		*7.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*13.99*	
26 05 33 13-0205	EA	5" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing		141.44	25.58
		For Work In Restricted Working Space, Add		*15.35*	
		For Installation Above 14', Add		*7.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*15.35*	
26 05 33 13-0206	EA	6" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing		195.60	28.21
		For Work In Restricted Working Space, Add		*16.93*	
		For Installation Above 14', Add		*8.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*16.93*	
26 05 33 13-0207		Rigid Galvanized Steel (RGS) Box Connectors With Set Screw *(26 05 33 13-0042)*			
26 05 33 13-0208	EA	1/2" Rigid Galvanized Steel (RGS) Box Connector With Set Screw		10.96	3.46
		For Work In Restricted Working Space, Add		*2.57*	
		For Installation Above 14', Add		*1.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*2.57*	
26 05 33 13-0209	EA	3/4" Rigid Galvanized Steel (RGS) Box Connector With Set Screw		13.24	3.99
		For Work In Restricted Working Space, Add		*2.98*	
		For Installation Above 14', Add		*1.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*2.98*	
26 05 33 13-0210	EA	1" Rigid Galvanized Steel (RGS) Box Connector With Set Screw		17.24	4.81
		For Work In Restricted Working Space, Add		*3.59*	
		For Installation Above 14', Add		*1.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*3.59*	
26 05 33 13-0211	EA	1-1/4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw		25.22	5.95
		For Work In Restricted Working Space, Add		*4.47*	
		For Installation Above 14', Add		*2.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*4.47*	
26 05 33 13-0212	EA	1-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw		34.12	7.97
		For Work In Restricted Working Space, Add		*5.99*	
		For Installation Above 14', Add		*2.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*5.99*	
26 05 33 13-0213	EA	2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw		57.66	11.96
		For Work In Restricted Working Space, Add		*8.97*	
		For Installation Above 14', Add		*4.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*8.97*	
26 05 33 13-0214	EA	2-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw		101.83	13.24
		For Work In Restricted Working Space, Add		*9.93*	
		For Installation Above 14', Add		*4.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*9.93*	
26 05 33 13-0215	EA	3" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw		121.43	16.02
		For Work In Restricted Working Space, Add		*12.03*	
		For Installation Above 14', Add		*6.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*12.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0216	EA	3-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	163.79	20.09
		For Work In Restricted Working Space, Add	*15.06*	
		For Installation Above 14', Add	*7.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.06*	
26 05 33 13-0217	EA	4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	192.02	24.07
		For Work In Restricted Working Space, Add	*18.06*	
		For Installation Above 14', Add	*9.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.06*	
26 05 33 13-0218	EA	5" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	333.34	26.78
		For Work In Restricted Working Space, Add	*20.06*	
		For Installation Above 14', Add	*10.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.06*	
26 05 33 13-0219	EA	6" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	397.77	30.10
		For Work In Restricted Working Space, Add	*22.56*	
		For Installation Above 14', Add	*11.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.56*	

26 05 33 13-0220 Rigid Galvanized Steel (RGS) Nipples *(26 05 33 13-0042)*

26 05 33 13-0221	EA	1/2" x 2" Long Rigid Galvanized Steel (RGS) Nipple	10.68	4.89
		For Work In Restricted Working Space, Add	*2.93*	
		For Installation Above 14', Add	*1.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.93*	
26 05 33 13-0222	EA	3/4" x 2" Long Rigid Galvanized Steel (RGS) Nipple	12.29	5.64
		For Work In Restricted Working Space, Add	*3.38*	
		For Installation Above 14', Add	*1.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.38*	
26 05 33 13-0223	EA	1" x 2" Long Rigid Galvanized Steel (RGS) Nipple	15.71	7.15
		For Work In Restricted Working Space, Add	*4.29*	
		For Installation Above 14', Add	*2.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.29*	
26 05 33 13-0224	EA	1-1/4" x 2" Long Rigid Galvanized Steel (RGS) Nipple	18.34	8.27
		For Work In Restricted Working Space, Add	*4.97*	
		For Installation Above 14', Add	*2.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.97*	
26 05 33 13-0225	EA	1-1/2" x 2" Long Rigid Galvanized Steel (RGS) Nipple	20.93	9.40
		For Work In Restricted Working Space, Add	*5.64*	
		For Installation Above 14', Add	*2.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.64*	
26 05 33 13-0226	EA	1/2" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple	10.75	4.89
		For Work In Restricted Working Space, Add	*2.93*	
		For Installation Above 14', Add	*1.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.93*	
26 05 33 13-0227	EA	3/4" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple	12.40	5.64
		For Work In Restricted Working Space, Add	*3.38*	
		For Installation Above 14', Add	*1.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.38*	
26 05 33 13-0228	EA	1" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple	15.83	7.15
		For Work In Restricted Working Space, Add	*4.29*	
		For Installation Above 14', Add	*2.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.29*	
26 05 33 13-0229	EA	1-1/4" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple	18.51	8.27
		For Work In Restricted Working Space, Add	*4.97*	
		For Installation Above 14', Add	*2.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.97*	
26 05 33 13-0230	EA	1-1/2" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple	21.20	9.40
		For Work In Restricted Working Space, Add	*5.64*	
		For Installation Above 14', Add	*2.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.64*	
26 05 33 13-0231	EA	2" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple	23.95	10.54
		For Work In Restricted Working Space, Add	*6.32*	
		For Installation Above 14', Add	*3.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.32*	
26 05 33 13-0232	EA	1/2" x 3" Long Rigid Galvanized Steel (RGS) Nipple	10.83	4.89
		For Work In Restricted Working Space, Add	*2.93*	
		For Installation Above 14', Add	*1.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.93*	
26 05 33 13-0233	EA	3/4" x 3" Long Rigid Galvanized Steel (RGS) Nipple	12.50	5.64
		For Work In Restricted Working Space, Add	*3.38*	
		For Installation Above 14', Add	*1.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.38*	
26 05 33 13-0234	EA	1" x 3" Long Rigid Galvanized Steel (RGS) Nipple	16.01	7.15
		For Work In Restricted Working Space, Add	*4.29*	
		For Installation Above 14', Add	*2.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.29*	
26 05 33 13-0235	EA	1-1/4" x 3" Long Rigid Galvanized Steel (RGS) Nipple	18.66	8.27
		For Work In Restricted Working Space, Add	*4.97*	
		For Installation Above 14', Add	*2.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.97*	
26 05 33 13-0236	EA	1-1/2" x 3" Long Rigid Galvanized Steel (RGS) Nipple	21.39	9.40
		For Work In Restricted Working Space, Add	*5.64*	
		For Installation Above 14', Add	*2.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0237	EA	2" x 3" Long Rigid Galvanized Steel (RGS) Nipple	24.41	10.54
		For Work In Restricted Working Space, Add	*6.32*	
		For Installation Above 14', Add	*3.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.32*	
26 05 33 13-0238	EA	2-1/2" x 3" Long Rigid Galvanized Steel (RGS) Nipple	32.49	12.79
		For Work In Restricted Working Space, Add	*7.67*	
		For Installation Above 14', Add	*3.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.67*	
26 05 33 13-0239	EA	3" x 3" Long Rigid Galvanized Steel (RGS) Nipple	43.85	17.68
		For Work In Restricted Working Space, Add	*10.61*	
		For Installation Above 14', Add	*5.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.61*	
26 05 33 13-0240	EA	1/2" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	10.93	4.89
		For Work In Restricted Working Space, Add	*2.93*	
		For Installation Above 14', Add	*1.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.93*	
26 05 33 13-0241	EA	3/4" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	12.56	5.64
		For Work In Restricted Working Space, Add	*3.38*	
		For Installation Above 14', Add	*1.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.38*	
26 05 33 13-0242	EA	1" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	16.24	7.15
		For Work In Restricted Working Space, Add	*4.29*	
		For Installation Above 14', Add	*2.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.29*	
26 05 33 13-0243	EA	1-1/4" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	18.95	8.27
		For Work In Restricted Working Space, Add	*4.97*	
		For Installation Above 14', Add	*2.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.97*	
26 05 33 13-0244	EA	1-1/2" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	21.77	9.40
		For Work In Restricted Working Space, Add	*5.64*	
		For Installation Above 14', Add	*2.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.64*	
26 05 33 13-0245	EA	2" x 3-1/2" Long Rigid Galvanized Steel (RGS), Nipple	24.87	10.54
		For Work In Restricted Working Space, Add	*6.32*	
		For Installation Above 14', Add	*3.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.32*	
26 05 33 13-0246	EA	2-1/2" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	33.75	12.79
		For Work In Restricted Working Space, Add	*7.67*	
		For Installation Above 14', Add	*3.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.67*	
26 05 33 13-0247	EA	3" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	44.94	17.68
		For Work In Restricted Working Space, Add	*10.61*	
		For Installation Above 14', Add	*5.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.61*	
26 05 33 13-0248	EA	1/2" x 4" Long Rigid Galvanized Steel (RGS) Nipple	11.02	4.89
		For Work In Restricted Working Space, Add	*2.93*	
		For Installation Above 14', Add	*1.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.93*	
26 05 33 13-0249	EA	3/4" x 4" Long Rigid Galvanized Steel (RGS) Nipple	12.73	5.64
		For Work In Restricted Working Space, Add	*3.38*	
		For Installation Above 14', Add	*1.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.38*	
26 05 33 13-0250	EA	1" x 4" Long Rigid Galvanized Steel (RGS) Nipple	16.38	7.15
		For Work In Restricted Working Space, Add	*4.29*	
		For Installation Above 14', Add	*2.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.29*	
26 05 33 13-0251	EA	1-1/4" x 4" Long Rigid Galvanized Steel (RGS) Nipple	19.09	8.27
		For Work In Restricted Working Space, Add	*4.97*	
		For Installation Above 14', Add	*2.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.97*	
26 05 33 13-0252	EA	1-1/2" x 4" Long Rigid Galvanized Steel (RGS) Nipple	22.03	9.40
		For Work In Restricted Working Space, Add	*5.64*	
		For Installation Above 14', Add	*2.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.64*	
26 05 33 13-0253	EA	2" x 4" Long Rigid Galvanized Steel (RGS) Nipple	25.27	10.54
		For Work In Restricted Working Space, Add	*6.32*	
		For Installation Above 14', Add	*3.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.32*	
26 05 33 13-0254	EA	2-1/2" x 4" Long Rigid Galvanized Steel (RGS) Nipple	34.13	12.79
		For Work In Restricted Working Space, Add	*7.67*	
		For Installation Above 14', Add	*3.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.67*	
26 05 33 13-0255	EA	3" x 4" Long Rigid Galvanized Steel (RGS) Nipple	45.75	17.68
		For Work In Restricted Working Space, Add	*10.61*	
		For Installation Above 14', Add	*5.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.61*	
26 05 33 13-0256	EA	3-1/2" x 4" Long Rigid Galvanized Steel (RGS) Nipple	52.51	19.94
		For Work In Restricted Working Space, Add	*11.96*	
		For Installation Above 14', Add	*5.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.96*	
26 05 33 13-0257	EA	4" x 4" Long Rigid Galvanized Steel (RGS) Nipple	66.10	25.96
		For Work In Restricted Working Space, Add	*15.57*	
		For Installation Above 14', Add	*7.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0258	EA	1/2" x 5" Long Rigid Galvanized Steel (RGS) Nipple	11.17	4.89
		For Work In Restricted Working Space, Add	*2.93*	
		For Installation Above 14', Add	*1.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.93*	
26 05 33 13-0259	EA	3/4" x 5" Long Rigid Galvanized Steel (RGS) Nipple	12.95	5.64
		For Work In Restricted Working Space, Add	*3.38*	
		For Installation Above 14', Add	*1.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.38*	
26 05 33 13-0260	EA	1" x 5" Long Rigid Galvanized Steel (RGS) Nipple	16.65	7.15
		For Work In Restricted Working Space, Add	*4.29*	
		For Installation Above 14', Add	*2.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.29*	
26 05 33 13-0261	EA	1-1/4" x 5" Long Rigid Galvanized Steel (RGS) Nipple	19.50	8.27
		For Work In Restricted Working Space, Add	*4.97*	
		For Installation Above 14', Add	*2.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.97*	
26 05 33 13-0262	EA	1-1/2" x 5" Long Rigid Galvanized Steel (RGS) Nipple	22.43	9.40
		For Work In Restricted Working Space, Add	*5.64*	
		For Installation Above 14', Add	*2.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.64*	
26 05 33 13-0263	EA	2" x 5" Long Rigid Galvanized Steel (RGS) Nipple	25.97	10.54
		For Work In Restricted Working Space, Add	*6.32*	
		For Installation Above 14', Add	*3.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.32*	
26 05 33 13-0264	EA	2-1/2" x 5" Long Rigid Galvanized Steel (RGS) Nipple	35.69	12.79
		For Work In Restricted Working Space, Add	*7.67*	
		For Installation Above 14', Add	*3.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.67*	
26 05 33 13-0265	EA	3" x 5" Long Rigid Galvanized Steel (RGS) Nipple	47.44	17.68
		For Work In Restricted Working Space, Add	*10.61*	
		For Installation Above 14', Add	*5.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.61*	
26 05 33 13-0266	EA	3-1/2" x 5" Long Rigid Galvanized Steel (RGS) Nipple	54.19	19.94
		For Work In Restricted Working Space, Add	*11.96*	
		For Installation Above 14', Add	*5.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.96*	
26 05 33 13-0267	EA	4" x 5" Long Rigid Galvanized Steel (RGS) Nipple	68.55	25.96
		For Work In Restricted Working Space, Add	*15.57*	
		For Installation Above 14', Add	*7.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.57*	
26 05 33 13-0268	EA	5" x 5" Long Rigid Galvanized Steel (RGS) Nipple	103.77	35.73
		For Work In Restricted Working Space, Add	*21.44*	
		For Installation Above 14', Add	*10.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.44*	
26 05 33 13-0269	EA	6" x 5" Long Rigid Galvanized Steel (RGS) Nipple	131.97	45.82
		For Work In Restricted Working Space, Add	*27.51*	
		For Installation Above 14', Add	*13.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.51*	
26 05 33 13-0270	EA	1/2" x 6" Long Rigid Galvanized Steel (RGS) Nipple	11.44	4.89
		For Work In Restricted Working Space, Add	*2.93*	
		For Installation Above 14', Add	*1.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.93*	
26 05 33 13-0271	EA	3/4" x 6" Long Rigid Galvanized Steel (RGS) Nipple	13.22	5.64
		For Work In Restricted Working Space, Add	*3.38*	
		For Installation Above 14', Add	*1.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.38*	
26 05 33 13-0272	EA	1" x 6" Long Rigid Galvanized Steel (RGS) Nipple	16.87	7.15
		For Work In Restricted Working Space, Add	*4.29*	
		For Installation Above 14', Add	*2.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.29*	
26 05 33 13-0273	EA	1-1/4" x 6" Long Rigid Galvanized Steel (RGS) Nipple	19.87	8.27
		For Work In Restricted Working Space, Add	*4.97*	
		For Installation Above 14', Add	*2.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.97*	
26 05 33 13-0274	EA	1-1/2" x 6" Long Rigid Galvanized Steel (RGS) Nipple	23.26	9.40
		For Work In Restricted Working Space, Add	*5.64*	
		For Installation Above 14', Add	*2.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.64*	
26 05 33 13-0275	EA	2" x 6" Long Rigid Galvanized Steel (RGS) Nipple	26.67	10.54
		For Work In Restricted Working Space, Add	*6.32*	
		For Installation Above 14', Add	*3.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.32*	
26 05 33 13-0276	EA	2-1/2" x 6" Long Rigid Galvanized Steel (RGS) Nipple	37.05	12.79
		For Work In Restricted Working Space, Add	*7.67*	
		For Installation Above 14', Add	*3.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.67*	
26 05 33 13-0277	EA	3" x 6" Long Rigid Galvanized Steel (RGS) Nipple	49.15	17.68
		For Work In Restricted Working Space, Add	*10.61*	
		For Installation Above 14', Add	*5.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.61*	
26 05 33 13-0278	EA	3-1/2" x 6" Long Rigid Galvanized Steel (RGS) Nipple	56.24	19.94
		For Work In Restricted Working Space, Add	*11.96*	
		For Installation Above 14', Add	*5.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0279	EA	4" x 6" Long Rigid Galvanized Steel (RGS) Nipple	70.49	25.96
		For Work In Restricted Working Space, Add	*15.57*	
		For Installation Above 14', Add	*7.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.57*	
26 05 33 13-0280	EA	5" x 6" Long Rigid Galvanized Steel (RGS) Nipple	106.62	35.73
		For Work In Restricted Working Space, Add	*21.44*	
		For Installation Above 14', Add	*10.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.44*	
26 05 33 13-0281	EA	6" x 6" Long Rigid Galvanized Steel (RGS) Nipple	136.14	45.82
		For Work In Restricted Working Space, Add	*27.51*	
		For Installation Above 14', Add	*13.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.51*	
26 05 33 13-0282	EA	1/2" x 8" Long Rigid Galvanized Steel (RGS) Nipple	12.43	4.89
		For Work In Restricted Working Space, Add	*2.93*	
		For Installation Above 14', Add	*1.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.93*	
26 05 33 13-0283	EA	3/4" x 8" Long Rigid Galvanized Steel (RGS) Nipple	14.48	5.64
		For Work In Restricted Working Space, Add	*3.38*	
		For Installation Above 14', Add	*1.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.38*	
26 05 33 13-0284	EA	1" x 8" Long Rigid Galvanized Steel (RGS) Nipple	18.36	7.15
		For Work In Restricted Working Space, Add	*4.29*	
		For Installation Above 14', Add	*2.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.29*	
26 05 33 13-0285	EA	1-1/4" x 8" Long Rigid Galvanized Steel (RGS) Nipple	21.98	8.27
		For Work In Restricted Working Space, Add	*4.97*	
		For Installation Above 14', Add	*2.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.97*	
26 05 33 13-0286	EA	1-1/2" x 8" Long Rigid Galvanized Steel (RGS) Nipple	25.61	9.40
		For Work In Restricted Working Space, Add	*5.64*	
		For Installation Above 14', Add	*2.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.64*	
26 05 33 13-0287	EA	2" x 8" Long Rigid Galvanized Steel (RGS) Nipple	29.16	10.54
		For Work In Restricted Working Space, Add	*6.32*	
		For Installation Above 14', Add	*3.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.32*	
26 05 33 13-0288	EA	2-1/2" x 8" Long Rigid Galvanized Steel (RGS) Nipple	40.67	12.79
		For Work In Restricted Working Space, Add	*7.67*	
		For Installation Above 14', Add	*3.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.67*	
26 05 33 13-0289	EA	3" x 8" Long Rigid Galvanized Steel (RGS) Nipple	53.31	17.68
		For Work In Restricted Working Space, Add	*10.61*	
		For Installation Above 14', Add	*5.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.61*	
26 05 33 13-0290	EA	3-1/2" x 8" Long Rigid Galvanized Steel (RGS) Nipple	60.38	19.94
		For Work In Restricted Working Space, Add	*11.96*	
		For Installation Above 14', Add	*5.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.96*	
26 05 33 13-0291	EA	4" x 8" Long Rigid Galvanized Steel (RGS) Nipple	75.07	25.96
		For Work In Restricted Working Space, Add	*15.57*	
		For Installation Above 14', Add	*7.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.57*	
26 05 33 13-0292	EA	5" x 8" Long Rigid Galvanized Steel (RGS) Nipple	113.22	35.73
		For Work In Restricted Working Space, Add	*21.44*	
		For Installation Above 14', Add	*10.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.44*	
26 05 33 13-0293	EA	6" x 8" Long Rigid Galvanized Steel (RGS) Nipple	143.55	45.82
		For Work In Restricted Working Space, Add	*27.51*	
		For Installation Above 14', Add	*13.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.51*	
26 05 33 13-0294	EA	1/2" x 10" Long Rigid Galvanized Steel (RGS) Nipple	13.09	4.89
		For Work In Restricted Working Space, Add	*2.93*	
		For Installation Above 14', Add	*1.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.93*	
26 05 33 13-0295	EA	3/4" x 10" Long Rigid Galvanized Steel (RGS) Nipple	15.13	5.64
		For Work In Restricted Working Space, Add	*3.38*	
		For Installation Above 14', Add	*1.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.38*	
26 05 33 13-0296	EA	1" x 10" Long Rigid Galvanized Steel (RGS) Nipple	19.54	7.15
		For Work In Restricted Working Space, Add	*4.29*	
		For Installation Above 14', Add	*2.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.29*	
26 05 33 13-0297	EA	1-1/4" x 10" Long Rigid Galvanized Steel (RGS) Nipple	23.38	8.27
		For Work In Restricted Working Space, Add	*4.97*	
		For Installation Above 14', Add	*2.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.97*	
26 05 33 13-0298	EA	1-1/2" x 10" Long Rigid Galvanized Steel (RGS) Nipple	26.99	9.40
		For Work In Restricted Working Space, Add	*5.64*	
		For Installation Above 14', Add	*2.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.64*	
26 05 33 13-0299	EA	2" x 10" Long Rigid Galvanized Steel (RGS) Nipple	30.76	10.54
		For Work In Restricted Working Space, Add	*6.32*	
		For Installation Above 14', Add	*3.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0300	EA	2-1/2" x 10" Long Rigid Galvanized Steel (RGS) Nipple	43.10	12.79
		For Work In Restricted Working Space, Add	*7.67*	
		For Installation Above 14', Add	*3.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.67*	
26 05 33 13-0301	EA	3" x 10" Long Rigid Galvanized Steel (RGS) Nipple	56.57	17.68
		For Work In Restricted Working Space, Add	*10.61*	
		For Installation Above 14', Add	*5.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.61*	
26 05 33 13-0302	EA	3-1/2" x 10" Long Rigid Galvanized Steel (RGS) Nipple	64.68	19.94
		For Work In Restricted Working Space, Add	*11.96*	
		For Installation Above 14', Add	*5.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.96*	
26 05 33 13-0303	EA	4" x 10" Long Rigid Galvanized Steel (RGS) Nipple	80.51	25.96
		For Work In Restricted Working Space, Add	*15.57*	
		For Installation Above 14', Add	*7.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.57*	
26 05 33 13-0304	EA	5" x 10" Long Rigid Galvanized Steel (RGS) Nipple	120.42	35.73
		For Work In Restricted Working Space, Add	*21.44*	
		For Installation Above 14', Add	*10.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.44*	
26 05 33 13-0305	EA	6" x 10" Long Rigid Galvanized Steel (RGS) Nipple	156.50	45.82
		For Work In Restricted Working Space, Add	*27.51*	
		For Installation Above 14', Add	*13.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.51*	
26 05 33 13-0306	EA	1/2" x 12" Long Rigid Galvanized Steel (RGS) Nipple	13.60	4.89
		For Work In Restricted Working Space, Add	*2.93*	
		For Installation Above 14', Add	*1.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.93*	
26 05 33 13-0307	EA	3/4" x 12" Long Rigid Galvanized Steel (RGS) Nipple	15.60	5.64
		For Work In Restricted Working Space, Add	*3.38*	
		For Installation Above 14', Add	*1.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.38*	
26 05 33 13-0308	EA	1" x 12" Long Rigid Galvanized Steel (RGS) Nipple	20.24	7.15
		For Work In Restricted Working Space, Add	*4.29*	
		For Installation Above 14', Add	*2.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.29*	
26 05 33 13-0309	EA	1-1/4" x 12" Long Rigid Galvanized Steel (RGS) Nipple	24.51	8.27
		For Work In Restricted Working Space, Add	*4.97*	
		For Installation Above 14', Add	*2.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.97*	
26 05 33 13-0310	EA	1-1/2" x 12" Long Rigid Galvanized Steel (RGS) Nipple	27.69	9.40
		For Work In Restricted Working Space, Add	*5.64*	
		For Installation Above 14', Add	*2.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.64*	
26 05 33 13-0311	EA	2" x 12" Long Rigid Galvanized Steel (RGS) Nipple	32.10	10.54
		For Work In Restricted Working Space, Add	*6.32*	
		For Installation Above 14', Add	*3.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.32*	
26 05 33 13-0312	EA	2-1/2" x 12" Long Rigid Galvanized Steel (RGS) Nipple	45.96	12.79
		For Work In Restricted Working Space, Add	*7.67*	
		For Installation Above 14', Add	*3.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.67*	
26 05 33 13-0313	EA	3" x 12" Long Rigid Galvanized Steel (RGS) Nipple	61.11	17.68
		For Work In Restricted Working Space, Add	*10.61*	
		For Installation Above 14', Add	*5.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.61*	
26 05 33 13-0314	EA	3-1/2" x 12" Long Rigid Galvanized Steel (RGS) Nipple	68.87	19.94
		For Work In Restricted Working Space, Add	*11.96*	
		For Installation Above 14', Add	*5.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.96*	
26 05 33 13-0315	EA	4" x 12" Long Rigid Galvanized Steel (RGS) Nipple	85.97	25.96
		For Work In Restricted Working Space, Add	*15.57*	
		For Installation Above 14', Add	*7.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.57*	
26 05 33 13-0316	EA	5" x 12" Long Rigid Galvanized Steel (RGS) Nipple	130.77	35.73
		For Work In Restricted Working Space, Add	*21.44*	
		For Installation Above 14', Add	*10.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.44*	
26 05 33 13-0317	EA	6" x 12" Long Rigid Galvanized Steel (RGS) Nipple	163.70	45.82
		For Work In Restricted Working Space, Add	*27.51*	
		For Installation Above 14', Add	*13.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.51*	

26 05 33 13-0318 Rigid Galvanized Steel (RGS) Off-Set Nipples *(26 05 33 13-0042)*

26 05 33 13-0319	EA	1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple	11.13	3.91
		For Work In Restricted Working Space, Add	*2.96*	
		For Installation Above 14', Add	*1.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.96*	
26 05 33 13-0320	EA	3/4" Rigid Galvanized Steel (RGS) Off-Set Nipple	13.16	4.51
		For Work In Restricted Working Space, Add	*3.37*	
		For Installation Above 14', Add	*1.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0321		EA	1" Rigid Galvanized Steel (RGS) Off-Set Nipple	16.57	5.71
			For Work In Restricted Working Space, Add	*4.31*	
			For Installation Above 14', Add	*2.15*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.31*	
26 05 33 13-0322		EA	1-1/4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	20.78	6.85
			For Work In Restricted Working Space, Add	*5.16*	
			For Installation Above 14', Add	*2.58*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.16*	
26 05 33 13-0323		EA	1-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	22.74	7.52
			For Work In Restricted Working Space, Add	*5.65*	
			For Installation Above 14', Add	*2.82*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.65*	
26 05 33 13-0324		EA	2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	29.42	9.25
			For Work In Restricted Working Space, Add	*6.96*	
			For Installation Above 14', Add	*3.48*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.96*	
26 05 33 13-0325		EA	2-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	48.00	15.05
			For Work In Restricted Working Space, Add	*11.29*	
			For Installation Above 14', Add	*5.64*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.29*	
26 05 33 13-0326		EA	3" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	75.48	20.76
			For Work In Restricted Working Space, Add	*15.57*	
			For Installation Above 14', Add	*7.79*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.57*	
26 05 33 13-0327		EA	3-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	92.81	24.52
			For Work In Restricted Working Space, Add	*18.29*	
			For Installation Above 14', Add	*9.15*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.29*	
26 05 33 13-0328		EA	4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	110.77	28.28
			For Work In Restricted Working Space, Add	*21.22*	
			For Installation Above 14', Add	*10.61*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.22*	

26 05 33 13-0329 Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling *(26 05 33 13-0042)*

Note: Erickson fittings.

26 05 33 13-0330		EA	1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	32.01	12.04
			For Work In Restricted Working Space, Add	*9.04*	
			For Installation Above 14', Add	*4.52*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.04*	
26 05 33 13-0331		EA	3/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	36.04	13.46
			For Work In Restricted Working Space, Add	*10.09*	
			For Installation Above 14', Add	*5.04*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.09*	
26 05 33 13-0332		EA	1" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	41.90	14.97
			For Work In Restricted Working Space, Add	*11.24*	
			For Installation Above 14', Add	*5.62*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.24*	
26 05 33 13-0333		EA	1-1/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	50.46	16.40
			For Work In Restricted Working Space, Add	*12.30*	
			For Installation Above 14', Add	*6.15*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.30*	
26 05 33 13-0334		EA	1-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	56.20	17.91
			For Work In Restricted Working Space, Add	*13.46*	
			For Installation Above 14', Add	*6.73*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.46*	
26 05 33 13-0335		EA	2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	71.30	19.41
			For Work In Restricted Working Space, Add	*14.57*	
			For Installation Above 14', Add	*7.29*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.57*	
26 05 33 13-0336		EA	2-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	112.84	24.07
			For Work In Restricted Working Space, Add	*18.06*	
			For Installation Above 14', Add	*9.03*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.06*	
26 05 33 13-0337		EA	3" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	155.15	30.10
			For Work In Restricted Working Space, Add	*22.57*	
			For Installation Above 14', Add	*11.28*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.57*	
26 05 33 13-0338		EA	3-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	223.43	36.11
			For Work In Restricted Working Space, Add	*27.09*	
			For Installation Above 14', Add	*13.55*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.09*	
26 05 33 13-0339		EA	4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	254.33	39.12
			For Work In Restricted Working Space, Add	*29.34*	
			For Installation Above 14', Add	*14.67*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.34*	
26 05 33 13-0340		EA	5" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	441.64	48.14
			For Work In Restricted Working Space, Add	*36.11*	
			For Installation Above 14', Add	*18.05*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.11*	
26 05 33 13-0341		EA	6" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	567.41	55.67
			For Work In Restricted Working Space, Add	*41.75*	
			For Installation Above 14', Add	*20.88*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0342		**Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connectors** *(26 05 33 13-0042)*		
26 05 33 13-0343	EA	1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	18.45	6.02
		For Work In Restricted Working Space, Add	*4.52*	
		For Installation Above 14', Add	*2.26*	
26 05 33 13-0344	EA	3/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	20.57	6.62
		For Work In Restricted Working Space, Add	*4.97*	
		For Installation Above 14', Add	*2.48*	
26 05 33 13-0345	EA	1" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	23.60	7.52
		For Work In Restricted Working Space, Add	*5.64*	
		For Installation Above 14', Add	*2.82*	
26 05 33 13-0346	EA	1-1/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	26.63	8.12
		For Work In Restricted Working Space, Add	*6.09*	
		For Installation Above 14', Add	*3.05*	
26 05 33 13-0347	EA	1-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	31.38	9.02
		For Work In Restricted Working Space, Add	*6.77*	
		For Installation Above 14', Add	*3.39*	
26 05 33 13-0348	EA	2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	37.84	9.94
		For Work In Restricted Working Space, Add	*7.45*	
		For Installation Above 14', Add	*3.72*	
26 05 33 13-0349	EA	2-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	50.98	12.04
		For Work In Restricted Working Space, Add	*9.03*	
		For Installation Above 14', Add	*4.52*	
26 05 33 13-0350	EA	3" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	63.09	15.05
		For Work In Restricted Working Space, Add	*11.29*	
		For Installation Above 14', Add	*5.64*	
26 05 33 13-0351	EA	3-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	75.79	18.06
		For Work In Restricted Working Space, Add	*13.54*	
		For Installation Above 14', Add	*6.77*	
26 05 33 13-0352	EA	4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	85.30	19.56
		For Work In Restricted Working Space, Add	*14.67*	
		For Installation Above 14', Add	*7.34*	
26 05 33 13-0353		**Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs** *(26 05 33 13-0042)*		
26 05 33 13-0354	EA	1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	16.86	6.77
		For Work In Restricted Working Space, Add	*4.07*	
		For Installation Above 14', Add	*2.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.07*	
26 05 33 13-0355	EA	3/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	18.78	7.52
		For Work In Restricted Working Space, Add	*4.52*	
		For Installation Above 14', Add	*2.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.52*	
26 05 33 13-0356	EA	1" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	23.19	9.40
		For Work In Restricted Working Space, Add	*5.64*	
		For Installation Above 14', Add	*2.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.64*	
26 05 33 13-0357	EA	1-1/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	28.52	11.29
		For Work In Restricted Working Space, Add	*6.77*	
		For Installation Above 14', Add	*3.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	
26 05 33 13-0358	EA	1-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	36.64	15.05
		For Work In Restricted Working Space, Add	*9.03*	
		For Installation Above 14', Add	*4.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.03*	
26 05 33 13-0359	EA	2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	42.60	16.92
		For Work In Restricted Working Space, Add	*10.16*	
		For Installation Above 14', Add	*5.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.16*	
26 05 33 13-0360	EA	2-1/2" Water Tight Conduit Hubs	52.45	18.81
		For Work In Restricted Working Space, Add	*11.29*	
		For Installation Above 14', Add	*5.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.29*	
26 05 33 13-0361	EA	3" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	70.64	23.70
		For Work In Restricted Working Space, Add	*14.22*	
		For Installation Above 14', Add	*7.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.22*	
26 05 33 13-0362	EA	3-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	83.88	28.58
		For Work In Restricted Working Space, Add	*17.15*	
		For Installation Above 14', Add	*8.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.15*	
26 05 33 13-0363	EA	4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	102.91	33.86
		For Work In Restricted Working Space, Add	*20.31*	
		For Installation Above 14', Add	*10.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.31*	
26 05 33 13-0364		**Rigid Galvanized Steel (RGS) Expansion Fittings, 4" Conduit Movement** *(26 05 33 13-0042)* Note: Type AX		
26 05 33 13-0365	EA	1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	79.33	12.04
		For Work In Restricted Working Space, Add	*9.03*	
		For Installation Above 14', Add	*4.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0366	EA	3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	90.06	13.55
		For Work In Restricted Working Space, Add	*10.16*	
		For Installation Above 14', Add	*5.08*	
26 05 33 13-0367	EA	1" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	106.76	15.05
		For Work In Restricted Working Space, Add	*11.29*	
		For Installation Above 14', Add	*5.64*	
26 05 33 13-0368	EA	1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	130.93	16.55
		For Work In Restricted Working Space, Add	*12.41*	
		For Installation Above 14', Add	*6.21*	
26 05 33 13-0369	EA	1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	164.82	18.06
		For Work In Restricted Working Space, Add	*13.54*	
		For Installation Above 14', Add	*6.77*	
26 05 33 13-0370	EA	2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	228.42	19.56
		For Work In Restricted Working Space, Add	*14.67*	
		For Installation Above 14', Add	*7.34*	
26 05 33 13-0371	EA	2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	350.39	24.07
		For Work In Restricted Working Space, Add	*18.06*	
		For Installation Above 14', Add	*9.03*	
26 05 33 13-0372	EA	3" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	449.00	30.10
		For Work In Restricted Working Space, Add	*22.57*	
		For Installation Above 14', Add	*11.28*	
26 05 33 13-0373	EA	3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	656.29	36.11
		For Work In Restricted Working Space, Add	*27.08*	
		For Installation Above 14', Add	*13.54*	
26 05 33 13-0374	EA	4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	699.54	39.12
		For Work In Restricted Working Space, Add	*29.34*	
		For Installation Above 14', Add	*14.67*	
26 05 33 13-0375	EA	5" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	1,072.73	48.14
		For Work In Restricted Working Space, Add	*36.11*	
		For Installation Above 14', Add	*18.06*	
26 05 33 13-0376	EA	6" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	1,318.37	53.42
		For Work In Restricted Working Space, Add	*40.09*	
		For Installation Above 14', Add	*20.04*	

26 05 33 13-0377 Rigid Galvanized Steel (RGS) Expansion Fittings, 8" Conduit Movement *(26 05 33 13-0042)*

Note: Type AX-8

26 05 33 13-0378	EA	1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	87.56	12.04
		For Work In Restricted Working Space, Add	*9.03*	
		For Installation Above 14', Add	*4.52*	
26 05 33 13-0379	EA	3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	97.35	13.55
		For Work In Restricted Working Space, Add	*10.16*	
		For Installation Above 14', Add	*5.08*	
26 05 33 13-0380	EA	1" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	118.20	15.05
		For Work In Restricted Working Space, Add	*11.29*	
		For Installation Above 14', Add	*5.64*	
26 05 33 13-0381	EA	1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	148.95	16.55
		For Work In Restricted Working Space, Add	*12.41*	
		For Installation Above 14', Add	*6.21*	
26 05 33 13-0382	EA	1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	200.63	18.06
		For Work In Restricted Working Space, Add	*13.54*	
		For Installation Above 14', Add	*6.77*	
26 05 33 13-0383	EA	2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	245.53	19.56
		For Work In Restricted Working Space, Add	*14.67*	
		For Installation Above 14', Add	*7.34*	
26 05 33 13-0384	EA	2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	461.31	24.07
		For Work In Restricted Working Space, Add	*18.06*	
		For Installation Above 14', Add	*9.03*	
26 05 33 13-0385	EA	3" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	524.74	30.10
		For Work In Restricted Working Space, Add	*22.57*	
		For Installation Above 14', Add	*11.28*	
26 05 33 13-0386	EA	3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	805.97	36.11
		For Work In Restricted Working Space, Add	*27.08*	
		For Installation Above 14', Add	*13.54*	
26 05 33 13-0387	EA	4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	872.54	39.12
		For Work In Restricted Working Space, Add	*29.34*	
		For Installation Above 14', Add	*14.67*	
26 05 33 13-0388	EA	5" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	1,218.55	48.14
		For Work In Restricted Working Space, Add	*36.11*	
		For Installation Above 14', Add	*18.06*	
26 05 33 13-0389	EA	6" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	1,505.99	53.42
		For Work In Restricted Working Space, Add	*40.09*	
		For Installation Above 14', Add	*20.04*	

26 05 33 13-0390 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fittings, 8" Conduit Movement *(26 05 33 13-0042)*

Note: Type EX

26 05 33 13-0391	EA	1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	99.61	12.04
		For Work In Restricted Working Space, Add	*9.03*	
		For Installation Above 14', Add	*4.52*	
26 05 33 13-0392	EA	3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	125.75	13.55
		For Work In Restricted Working Space, Add	*10.16*	
		For Installation Above 14', Add	*5.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0393	EA	1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	156.57	15.05
		For Work In Restricted Working Space, Add	*11.29*	
		For Installation Above 14', Add	*5.64*	
26 05 33 13-0394	EA	1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	190.50	16.55
		For Work In Restricted Working Space, Add	*12.41*	
		For Installation Above 14', Add	*6.21*	
26 05 33 13-0395	EA	1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	256.88	18.06
		For Work In Restricted Working Space, Add	*13.54*	
		For Installation Above 14', Add	*6.77*	
26 05 33 13-0396	EA	2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	354.23	19.56
		For Work In Restricted Working Space, Add	*14.67*	
		For Installation Above 14', Add	*7.34*	
26 05 33 13-0397	EA	2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	550.80	24.07
		For Work In Restricted Working Space, Add	*18.06*	
		For Installation Above 14', Add	*9.03*	
26 05 33 13-0398	EA	3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	742.63	30.10
		For Work In Restricted Working Space, Add	*22.57*	
		For Installation Above 14', Add	*11.28*	
26 05 33 13-0399	EA	3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	1,115.88	36.11
		For Work In Restricted Working Space, Add	*27.08*	
		For Installation Above 14', Add	*13.54*	
26 05 33 13-0400	EA	4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	1,154.82	39.12
		For Work In Restricted Working Space, Add	*29.34*	
		For Installation Above 14', Add	*14.67*	
26 05 33 13-0401	EA	5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	1,738.91	48.14
		For Work In Restricted Working Space, Add	*36.11*	
		For Installation Above 14', Add	*18.06*	
26 05 33 13-0402	EA	6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	2,156.27	53.42
		For Work In Restricted Working Space, Add	*40.09*	
		For Installation Above 14', Add	*20.04*	

26 05 33 13-0403 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fittings *(26 05 33 13-0042)*

Note: Type DX

26 05 33 13-0404	EA	1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	173.88	12.04
		For Work In Restricted Working Space, Add	*9.03*	
		For Installation Above 14', Add	*4.52*	
26 05 33 13-0405	EA	3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	207.21	13.55
		For Work In Restricted Working Space, Add	*10.16*	
		For Installation Above 14', Add	*5.08*	
26 05 33 13-0406	EA	1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	250.57	15.05
		For Work In Restricted Working Space, Add	*11.29*	
		For Installation Above 14', Add	*5.64*	
26 05 33 13-0407	EA	1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	294.65	16.55
		For Work In Restricted Working Space, Add	*12.41*	
		For Installation Above 14', Add	*6.21*	
26 05 33 13-0408	EA	1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	325.86	18.06
		For Work In Restricted Working Space, Add	*13.54*	
		For Installation Above 14', Add	*6.77*	
26 05 33 13-0409	EA	2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	402.94	19.56
		For Work In Restricted Working Space, Add	*14.67*	
		For Installation Above 14', Add	*7.34*	
26 05 33 13-0410	EA	2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	532.71	24.07
		For Work In Restricted Working Space, Add	*18.06*	
		For Installation Above 14', Add	*9.03*	
26 05 33 13-0411	EA	3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	675.61	30.10
		For Work In Restricted Working Space, Add	*22.57*	
		For Installation Above 14', Add	*11.28*	
26 05 33 13-0412	EA	3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	760.02	36.11
		For Work In Restricted Working Space, Add	*27.08*	
		For Installation Above 14', Add	*13.54*	
26 05 33 13-0413	EA	4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	921.98	39.12
		For Work In Restricted Working Space, Add	*29.34*	
		For Installation Above 14', Add	*14.67*	
26 05 33 13-0414	EA	5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	1,578.34	48.14
		For Work In Restricted Working Space, Add	*36.11*	
		For Installation Above 14', Add	*18.06*	
26 05 33 13-0415	EA	6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	2,511.36	53.42
		For Work In Restricted Working Space, Add	*40.09*	
		For Installation Above 14', Add	*20.04*	

26 05 33 13-0416 Rigid Galvanized Steel (RGS) Conduit Bonding Jumpers *(26 05 33 13-0042)*

26 05 33 13-0417	EA	1/2" To 3/4" Conduit, 14" Bonding Jumper	44.69	6.02
		For Work In Restricted Working Space, Add	*4.52*	
		For Installation Above 14', Add	*2.26*	
26 05 33 13-0418	EA	1" To 1-1/4" Conduit, 14" Bonding Jumper	51.45	7.52
		For Work In Restricted Working Space, Add	*5.64*	
		For Installation Above 14', Add	*2.82*	
26 05 33 13-0419	EA	1-1/2" To 2" Conduit, 14" Bonding Jumper	63.45	9.02
		For Work In Restricted Working Space, Add	*6.77*	
		For Installation Above 14', Add	*3.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0420	EA	2-1/2" To 3" Conduit, 14" Bonding Jumper	89.17	12.04
		For Work In Restricted Working Space, Add	*9.03*	
		For Installation Above 14', Add	*4.52*	
26 05 33 13-0421	EA	3-1/2" To 4" Conduit, 14" Bonding Jumper	135.11	18.06
		For Work In Restricted Working Space, Add	*13.55*	
		For Installation Above 14', Add	*6.77*	
26 05 33 13-0422	EA	5" To 6" Conduit, 14" Bonding Jumper	231.11	24.07
		For Work In Restricted Working Space, Add	*18.06*	
		For Installation Above 14', Add	*9.03*	
26 05 33 13-0423	EA	1/2" To 3/4" Conduit, 24" Bonding Jumper	49.77	6.02
		For Work In Restricted Working Space, Add	*4.52*	
		For Installation Above 14', Add	*2.26*	
26 05 33 13-0424	EA	1" To 1-1/4" Conduit, 24" Bonding Jumper	57.87	7.52
		For Work In Restricted Working Space, Add	*5.64*	
		For Installation Above 14', Add	*2.82*	
26 05 33 13-0425	EA	1-1/2" To 2" Conduit, 24" Bonding Jumper	69.32	9.02
		For Work In Restricted Working Space, Add	*6.77*	
		For Installation Above 14', Add	*3.39*	
26 05 33 13-0426	EA	2-1/2" To 3" Conduit, 24" Bonding Jumper	96.97	12.04
		For Work In Restricted Working Space, Add	*9.03*	
		For Installation Above 14', Add	*4.52*	
26 05 33 13-0427	EA	3-1/2" To 4" Conduit, 24" Bonding Jumper	145.46	18.06
		For Work In Restricted Working Space, Add	*13.55*	
		For Installation Above 14', Add	*6.77*	
26 05 33 13-0428	EA	5" To 6" Conduit, 24" Bonding Jumper	264.48	24.07
		For Work In Restricted Working Space, Add	*18.06*	
		For Installation Above 14', Add	*9.03*	

26 05 33 13-0429 Rigid Galvanized Steel (RGS) Sealing Fittings, Vertical/Horizontal *(26 05 33 13-0042)*

26 05 33 13-0430	EA	1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	61.21	18.81
		For Work In Restricted Working Space, Add	*11.29*	
		For Installation Above 14', Add	*5.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.29*	
26 05 33 13-0431	EA	3/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	72.84	22.57
		For Work In Restricted Working Space, Add	*13.54*	
		For Installation Above 14', Add	*6.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.54*	
26 05 33 13-0432	EA	1" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	88.27	26.33
		For Work In Restricted Working Space, Add	*15.80*	
		For Installation Above 14', Add	*7.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.80*	
26 05 33 13-0433	EA	1-1/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	103.42	30.10
		For Work In Restricted Working Space, Add	*18.06*	
		For Installation Above 14', Add	*9.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.06*	
26 05 33 13-0434	EA	1-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	132.80	33.86
		For Work In Restricted Working Space, Add	*20.31*	
		For Installation Above 14', Add	*10.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.31*	
26 05 33 13-0435	EA	2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	159.56	37.62
		For Work In Restricted Working Space, Add	*22.57*	
		For Installation Above 14', Add	*11.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.57*	
26 05 33 13-0436	EA	2-1/2" Rigid Galvanized Steel (RGS) Conduit Sealing Fitting, Vertical/Horizontal	221.30	45.14
		For Work In Restricted Working Space, Add	*27.08*	
		For Installation Above 14', Add	*13.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.08*	
26 05 33 13-0437	EA	3" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	265.36	52.67
		For Work In Restricted Working Space, Add	*31.60*	
		For Installation Above 14', Add	*15.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.60*	
26 05 33 13-0438	EA	3-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	581.94	60.19
		For Work In Restricted Working Space, Add	*36.11*	
		For Installation Above 14', Add	*18.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.11*	
26 05 33 13-0439	EA	4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	669.62	67.71
		For Work In Restricted Working Space, Add	*40.63*	
		For Installation Above 14', Add	*20.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.63*	

26 05 33 13-0440 Rigid Galvanized Steel (RGS) Threaded Couplings *(26 05 33 13-0042)*

26 05 33 13-0441	EA	1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	10.00	4.51
		For Work In Restricted Working Space, Add	*2.71*	
		For Installation Above 14', Add	*1.35*	
26 05 33 13-0442	EA	3/4" Rigid Galvanized Steel (RGS) Threaded Coupling	14.02	6.40
		For Work In Restricted Working Space, Add	*3.84*	
		For Installation Above 14', Add	*1.92*	
26 05 33 13-0443	EA	1" Rigid Galvanized Steel (RGS) Threaded Coupling	18.43	8.27
		For Work In Restricted Working Space, Add	*4.97*	
		For Installation Above 14', Add	*2.48*	
26 05 33 13-0444	EA	1-1/4" Rigid Galvanized Steel (RGS) Threaded Coupling	21.18	9.40
		For Work In Restricted Working Space, Add	*5.64*	
		For Installation Above 14', Add	*2.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0445	EA	1-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	25.54	11.29
		For Work In Restricted Working Space, Add	*6.77*	
		For Installation Above 14', Add	*3.39*	
26 05 33 13-0446	EA	2" Rigid Galvanized Steel (RGS) Threaded Coupling	30.00	12.79
		For Work In Restricted Working Space, Add	*7.67*	
		For Installation Above 14', Add	*3.84*	
26 05 33 13-0447	EA	2-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	38.51	14.30
		For Work In Restricted Working Space, Add	*8.57*	
		For Installation Above 14', Add	*4.29*	
26 05 33 13-0448	EA	3" Rigid Galvanized Steel (RGS) Threaded Coupling	45.26	16.17
		For Work In Restricted Working Space, Add	*9.71*	
		For Installation Above 14', Add	*4.85*	
26 05 33 13-0449	EA	3-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	52.80	17.68
		For Work In Restricted Working Space, Add	*10.61*	
		For Installation Above 14', Add	*5.30*	
26 05 33 13-0450	EA	4" Threaded Rigid Galvanized Steel (RGS) Coupling	55.79	18.81
		For Work In Restricted Working Space, Add	*11.29*	
		For Installation Above 14', Add	*5.64*	
26 05 33 13-0451		**Rigid Galvanized Steel (RGS) Sealing Locknut** *(26 05 33 13-0042)*		
26 05 33 13-0452	EA	1/2" Rigid Galvanized Steel (RGS) Sealing Locknut	2.37	0.75
26 05 33 13-0453	EA	3/4" Rigid Galvanized Steel (RGS) Sealing Locknut	3.26	1.13
26 05 33 13-0454	EA	1" Rigid Galvanized Steel (RGS) Sealing Locknut	5.41	1.88
26 05 33 13-0455	EA	1-1/4" Rigid Galvanized Steel (RGS) Sealing Locknut	7.84	2.64
26 05 33 13-0456	EA	1-1/2" Rigid Galvanized Steel (RGS) Sealing Locknut	9.43	3.01
26 05 33 13-0457	EA	2" Rigid Galvanized Steel (RGS) Sealing Locknut	11.11	3.39
26 05 33 13-0458		**Rigid Galvanized Steel (RGS) Fire Stop Fittings** *(26 05 33 13-0042)*		
26 05 33 13-0459	EA	1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	116.79	9.13
		For Work In Restricted Working Space, Add	*6.85*	
		For Installation Above 14', Add	*3.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.85*	
26 05 33 13-0460	EA	3/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting	118.98	10.01
		For Work In Restricted Working Space, Add	*7.51*	
		For Installation Above 14', Add	*3.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.51*	
26 05 33 13-0461	EA	1" Rigid Galvanized Steel (RGS) Fire Stop Fitting	142.41	10.99
		For Work In Restricted Working Space, Add	*8.22*	
		For Installation Above 14', Add	*4.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.22*	
26 05 33 13-0462	EA	1-1/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting	156.34	12.04
		For Work In Restricted Working Space, Add	*9.04*	
		For Installation Above 14', Add	*4.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.04*	
26 05 33 13-0463	EA	1-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	178.31	13.55
		For Work In Restricted Working Space, Add	*10.16*	
		For Installation Above 14', Add	*5.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.16*	
26 05 33 13-0464	EA	2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	262.03	15.05
		For Work In Restricted Working Space, Add	*11.29*	
		For Installation Above 14', Add	*5.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.29*	
26 05 33 13-0465	EA	2-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	302.62	20.09
		For Work In Restricted Working Space, Add	*15.05*	
		For Installation Above 14', Add	*7.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.05*	
26 05 33 13-0466	EA	3" Rigid Galvanized Steel (RGS) Fire Stop Fitting	335.63	22.05
		For Work In Restricted Working Space, Add	*16.54*	
		For Installation Above 14', Add	*8.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.54*	
26 05 33 13-0467	EA	3-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	389.77	24.07
		For Work In Restricted Working Space, Add	*18.06*	
		For Installation Above 14', Add	*9.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.06*	
26 05 33 13-0468	EA	4" Rigid Galvanized Steel (RGS) Fire Stop Fitting	439.36	27.08
		For Work In Restricted Working Space, Add	*20.31*	
		For Installation Above 14', Add	*10.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.31*	
26 05 33 13-0469	EA	5" Rigid Galvanized Steel (RGS) Fire Stop Fitting	587.12	30.10
		For Work In Restricted Working Space, Add	*22.57*	
		For Installation Above 14', Add	*11.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.57*	
26 05 33 13-0470	EA	6" Rigid Galvanized Steel (RGS) Fire Stop Fitting	728.63	33.41
		For Work In Restricted Working Space, Add	*25.05*	
		For Installation Above 14', Add	*12.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.05*	
26 05 33 13-0471		**Rigid Galvanized Steel (RGS) Reducing Bushings** *(26 05 33 13-0042)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0472	EA	3/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	12.33	5.84
		For Work In Restricted Working Space, Add	*3.50*	
		For Installation Above 14', Add	*1.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.50*	
26 05 33 13-0473	EA	1" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	13.64	6.21
		For Work In Restricted Working Space, Add	*3.72*	
		For Installation Above 14', Add	*1.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.72*	
26 05 33 13-0474	EA	1" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	14.02	6.40
		For Work In Restricted Working Space, Add	*3.84*	
		For Installation Above 14', Add	*1.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 05 33 13-0475	EA	1-1/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	16.36	6.59
		For Work In Restricted Working Space, Add	*3.95*	
		For Installation Above 14', Add	*1.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	
26 05 33 13-0476	EA	1-1/4" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	16.75	6.77
		For Work In Restricted Working Space, Add	*4.07*	
		For Installation Above 14', Add	*2.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.07*	
26 05 33 13-0477	EA	1-1/4" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	17.50	7.15
		For Work In Restricted Working Space, Add	*4.29*	
		For Installation Above 14', Add	*2.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.29*	
26 05 33 13-0478	EA	1-1/2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	18.93	7.52
		For Work In Restricted Working Space, Add	*4.52*	
		For Installation Above 14', Add	*2.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.52*	
26 05 33 13-0479	EA	1-1/2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	19.30	7.71
		For Work In Restricted Working Space, Add	*4.63*	
		For Installation Above 14', Add	*2.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.63*	
26 05 33 13-0480	EA	1-1/2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	20.05	8.09
		For Work In Restricted Working Space, Add	*4.85*	
		For Installation Above 14', Add	*2.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.85*	
26 05 33 13-0481	EA	1-1/2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing	20.80	8.46
		For Work In Restricted Working Space, Add	*5.08*	
		For Installation Above 14', Add	*2.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.08*	
26 05 33 13-0482	EA	2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	25.43	8.46
		For Work In Restricted Working Space, Add	*5.08*	
		For Installation Above 14', Add	*2.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.08*	
26 05 33 13-0483	EA	2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	25.81	8.65
		For Work In Restricted Working Space, Add	*5.19*	
		For Installation Above 14', Add	*2.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.19*	
26 05 33 13-0484	EA	2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	26.57	9.02
		For Work In Restricted Working Space, Add	*5.42*	
		For Installation Above 14', Add	*2.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 05 33 13-0485	EA	2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing	27.32	9.40
		For Work In Restricted Working Space, Add	*5.64*	
		For Installation Above 14', Add	*2.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.64*	
26 05 33 13-0486	EA	2" x 1-1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	29.20	10.35
		For Work In Restricted Working Space, Add	*6.21*	
		For Installation Above 14', Add	*3.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.21*	
26 05 33 13-0487	EA	2-1/2" x 2" Rigid Galvanized Steel (RGS) Reducing Bushing	37.06	12.22
		For Work In Restricted Working Space, Add	*7.34*	
		For Installation Above 14', Add	*3.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.34*	

26 05 33 13-0488 Rigid Galvanized Steel (RGS) Locknuts *(26 05 33 13-0042)*

26 05 33 13-0489	EA	1/2" Rigid Galvanized Steel (RGS) Locknuts	1.56	0.75
		For Work In Restricted Working Space, Add	*0.45*	
		For Installation Above 14', Add	*0.23*	
26 05 33 13-0490	EA	3/4" Rigid Galvanized Steel (RGS) Locknuts	2.35	1.13
		For Work In Restricted Working Space, Add	*0.68*	
		For Installation Above 14', Add	*0.34*	
26 05 33 13-0491	EA	1" Rigid Galvanized Steel (RGS) Locknuts	3.91	1.88
		For Work In Restricted Working Space, Add	*1.13*	
		For Installation Above 14', Add	*0.56*	
26 05 33 13-0492	EA	1-1/4" Rigid Galvanized Steel (RGS) Locknuts	5.50	2.64
		For Work In Restricted Working Space, Add	*1.58*	
		For Installation Above 14', Add	*0.79*	
26 05 33 13-0493	EA	1-1/2" Rigid Galvanized Steel (RGS) Locknuts	6.33	3.01
		For Work In Restricted Working Space, Add	*1.81*	
		For Installation Above 14', Add	*0.90*	
26 05 33 13-0494	EA	2" Rigid Galvanized Steel (RGS) Locknuts	7.15	3.39
		For Work In Restricted Working Space, Add	*2.03*	
		For Installation Above 14', Add	*1.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0495	EA	2-1/2" Rigid Galvanized Steel (RGS) Locknuts	10.03	4.51
		For Work In Restricted Working Space, Add	*2.71*	
		For Installation Above 14', Add	*1.35*	
26 05 33 13-0496	EA	3" Rigid Galvanized Steel (RGS) Locknuts	12.40	5.64
		For Work In Restricted Working Space, Add	*3.39*	
		For Installation Above 14', Add	*1.69*	
26 05 33 13-0497	EA	3-1/2" Rigid Galvanized Steel (RGS) Locknuts	14.64	6.40
		For Work In Restricted Working Space, Add	*3.84*	
		For Installation Above 14', Add	*1.92*	
26 05 33 13-0498	EA	4" Rigid Galvanized Steel (RGS) Locknuts	16.43	7.15
		For Work In Restricted Working Space, Add	*4.29*	
		For Installation Above 14', Add	*2.15*	

26 05 33 13-0499 Rigid Galvanized Steel (RGS) Grounding Locknuts *(26 05 33 13-0042)*

26 05 33 13-0500	EA	1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	2.42	0.75
		For Work In Restricted Working Space, Add	*0.45*	
		For Installation Above 14', Add	*0.23*	
26 05 33 13-0501	EA	3/4" Rigid Galvanized Steel (RGS) Grounding Locknuts	3.37	1.13
		For Work In Restricted Working Space, Add	*0.68*	
		For Installation Above 14', Add	*0.34*	
26 05 33 13-0502	EA	1" Rigid Galvanized Steel (RGS) Grounding Locknuts	5.34	1.88
		For Work In Restricted Working Space, Add	*1.13*	
		For Installation Above 14', Add	*0.56*	
26 05 33 13-0503	EA	1-1/4" Rigid Galvanized Steel (RGS) Grounding Locknuts	7.46	2.64
		For Work In Restricted Working Space, Add	*1.58*	
		For Installation Above 14', Add	*0.79*	
26 05 33 13-0504	EA	1-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	8.43	3.01
		For Work In Restricted Working Space, Add	*1.81*	
		For Installation Above 14', Add	*0.90*	
26 05 33 13-0505	EA	2" Rigid Galvanized Steel (RGS) Grounding Locknuts	9.92	3.39
		For Work In Restricted Working Space, Add	*2.03*	
		For Installation Above 14', Add	*1.02*	
26 05 33 13-0506	EA	2-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	14.87	4.51
		For Work In Restricted Working Space, Add	*2.71*	
		For Installation Above 14', Add	*1.35*	
26 05 33 13-0507	EA	3" Rigid Galvanized Steel (RGS) Grounding Locknuts	18.72	5.64
		For Work In Restricted Working Space, Add	*3.39*	
		For Installation Above 14', Add	*1.69*	
26 05 33 13-0508	EA	3-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	24.85	6.40
		For Work In Restricted Working Space, Add	*3.84*	
		For Installation Above 14', Add	*1.92*	
26 05 33 13-0509	EA	4" Rigid Galvanized Steel (RGS) Grounding Locknuts	29.85	7.15
		For Work In Restricted Working Space, Add	*4.29*	
		For Installation Above 14', Add	*2.15*	

26 05 33 13-0510 Rigid Galvanized Steel (RGS) Insulated Ground Bushing *(26 05 33 13-0042)*

26 05 33 13-0511	EA	1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	6.82	2.26
		For Work In Restricted Working Space, Add	*1.35*	
		For Installation Above 14', Add	*0.68*	
26 05 33 13-0512	EA	3/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	8.52	3.01
		For Work In Restricted Working Space, Add	*1.81*	
		For Installation Above 14', Add	*0.90*	
26 05 33 13-0513	EA	1" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	10.89	3.76
		For Work In Restricted Working Space, Add	*2.26*	
		For Installation Above 14', Add	*1.13*	
26 05 33 13-0514	EA	1-1/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	15.81	6.02
		For Work In Restricted Working Space, Add	*3.61*	
		For Installation Above 14', Add	*1.81*	
26 05 33 13-0515	EA	1-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	17.81	6.77
		For Work In Restricted Working Space, Add	*4.07*	
		For Installation Above 14', Add	*2.03*	
26 05 33 13-0516	EA	2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	20.27	7.52
		For Work In Restricted Working Space, Add	*4.52*	
		For Installation Above 14', Add	*2.26*	
26 05 33 13-0517	EA	2-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	28.16	9.02
		For Work In Restricted Working Space, Add	*5.42*	
		For Installation Above 14', Add	*2.71*	
26 05 33 13-0518	EA	3" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	34.13	11.29
		For Work In Restricted Working Space, Add	*6.77*	
		For Installation Above 14', Add	*3.39*	
26 05 33 13-0519	EA	3-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	42.05	15.05
		For Work In Restricted Working Space, Add	*9.03*	
		For Installation Above 14', Add	*4.52*	
26 05 33 13-0520	EA	4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	51.12	18.81
		For Work In Restricted Working Space, Add	*11.29*	
		For Installation Above 14', Add	*5.64*	

26 05 33 13-0521 Rigid Galvanized Steel (RGS) Threadless Compression Connectors *(26 05 33 13-0042)*

26 05 33 13-0522	EA	1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	15.17	6.77
		For Work In Restricted Working Space, Add	*4.07*	
		For Installation Above 14', Add	*2.03*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0523		EA	3/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	17.66	7.52
			For Work In Restricted Working Space, Add	*4.52*	
			For Installation Above 14', Add	*2.26*	
26 05 33 13-0524		EA	1" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	22.88	9.40
			For Work In Restricted Working Space, Add	*5.64*	
			For Installation Above 14', Add	*2.82*	
26 05 33 13-0525		EA	1-1/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	30.23	11.29
			For Work In Restricted Working Space, Add	*6.77*	
			For Installation Above 14', Add	*3.39*	
26 05 33 13-0526		EA	1-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	40.71	15.05
			For Work In Restricted Working Space, Add	*9.03*	
			For Installation Above 14', Add	*4.52*	
26 05 33 13-0527		EA	2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	57.98	18.81
			For Work In Restricted Working Space, Add	*11.29*	
			For Installation Above 14', Add	*5.64*	
26 05 33 13-0528		EA	2-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	92.10	22.57
			For Work In Restricted Working Space, Add	*13.54*	
			For Installation Above 14', Add	*6.77*	
26 05 33 13-0529		EA	3" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	114.92	26.33
			For Work In Restricted Working Space, Add	*15.80*	
			For Installation Above 14', Add	*7.90*	
26 05 33 13-0530		EA	3-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	145.30	31.97
			For Work In Restricted Working Space, Add	*19.19*	
			For Installation Above 14', Add	*9.59*	
26 05 33 13-0531		EA	4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	174.82	37.62
			For Work In Restricted Working Space, Add	*22.57*	
			For Installation Above 14', Add	*11.28*	

26 05 33 13-0532 Rigid Galvanized Steel (RGS) Compression Coupling *(26 05 33 13-0042)*

26 05 33 13-0533		EA	1/2" Rigid Galvanized Steel (RGS) Compression Coupling	21.42	9.40
			For Work In Restricted Working Space, Add	*5.64*	
			For Installation Above 14', Add	*2.82*	
26 05 33 13-0534		EA	3/4" Rigid Galvanized Steel (RGS) Compression Coupling	26.76	11.29
			For Work In Restricted Working Space, Add	*6.77*	
			For Installation Above 14', Add	*3.39*	
26 05 33 13-0535		EA	1" Rigid Galvanized Steel (RGS) Compression Coupling	37.40	15.05
			For Work In Restricted Working Space, Add	*9.03*	
			For Installation Above 14', Add	*4.52*	
26 05 33 13-0536		EA	1-1/4" Rigid Galvanized Steel (RGS) Compression Coupling	48.43	18.81
			For Work In Restricted Working Space, Add	*11.29*	
			For Installation Above 14', Add	*5.64*	
26 05 33 13-0537		EA	1-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	59.22	22.57
			For Work In Restricted Working Space, Add	*13.54*	
			For Installation Above 14', Add	*6.77*	
26 05 33 13-0538		EA	2" Rigid Galvanized Steel (RGS) Compression Connector	83.45	26.33
			For Work In Restricted Working Space, Add	*15.80*	
			For Installation Above 14', Add	*7.90*	
26 05 33 13-0539		EA	2-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	125.03	30.10
			For Work In Restricted Working Space, Add	*18.06*	
			For Installation Above 14', Add	*9.03*	
26 05 33 13-0540		EA	3" Rigid Galvanized Steel (RGS) Compression Coupling	137.82	25.96
			For Work In Restricted Working Space, Add	*15.57*	
			For Installation Above 14', Add	*7.79*	
26 05 33 13-0541		EA	3-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	192.08	39.50
			For Work In Restricted Working Space, Add	*23.70*	
			For Installation Above 14', Add	*11.85*	
26 05 33 13-0542		EA	4" Rigid Galvanized Steel (RGS) Compression Coupling	234.99	45.14
			For Work In Restricted Working Space, Add	*27.08*	
			For Installation Above 14', Add	*13.54*	

26 05 33 13-0543 Rigid Galvanized Steel (RGS) Knock Out Seal *(26 05 33 13-0042)*

26 05 33 13-0544		EA	1/2" Snap-in Knock Out Seal	3.96	1.88
			For Work In Restricted Working Space, Add	*1.13*	
			For Installation Above 14', Add	*0.56*	
26 05 33 13-0545		EA	3/4" Snap-in Knock Out Seal	4.77	2.26
			For Work In Restricted Working Space, Add	*1.35*	
			For Installation Above 14', Add	*0.68*	
26 05 33 13-0546		EA	1" Snap-in Knock Out Seal	5.67	2.64
			For Work In Restricted Working Space, Add	*1.58*	
			For Installation Above 14', Add	*0.79*	
26 05 33 13-0547		EA	1-1/4" Snap-in Knock Out Seal	7.30	3.39
			For Work In Restricted Working Space, Add	*2.03*	
			For Installation Above 14', Add	*1.02*	
26 05 33 13-0548		EA	1-1/2" Snap-in Knock Out Seal	8.26	3.76
			For Work In Restricted Working Space, Add	*2.26*	
			For Installation Above 14', Add	*1.13*	
26 05 33 13-0549		EA	2" Snap-in Knock Out Seal	10.07	4.51
			For Work In Restricted Working Space, Add	*2.71*	
			For Installation Above 14', Add	*1.35*	
26 05 33 13-0550		EA	2-1/2" 3-Piece Knock Out Seal	13.74	5.64
			For Work In Restricted Working Space, Add	*3.39*	
			For Installation Above 14', Add	*1.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0551	EA	3" 3-Piece Knock Out Seal	15.90	6.40
		For Work In Restricted Working Space, Add	*3.84*	
		For Installation Above 14', Add	*1.92*	
26 05 33 13-0552	EA	3-1/2" 3-Piece Knock Out Seal	17.91	7.15
		For Work In Restricted Working Space, Add	*4.29*	
		For Installation Above 14', Add	*2.15*	
26 05 33 13-0553	EA	4" 3-Piece Knock Out Seal	20.57	7.90
		For Work In Restricted Working Space, Add	*4.74*	
		For Installation Above 14', Add	*2.37*	

26 05 33 13-0554 Rigid Galvanized Steel (RGS) Chase Nipples *(26 05 33 13-0042)*

26 05 33 13-0555	EA	1/2" Rigid Galvanized Steel (RGS) Chase Nipple	9.32	4.51
		For Work In Restricted Working Space, Add	*2.71*	
		For Installation Above 14', Add	*1.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.71*	
26 05 33 13-0556	EA	3/4" Rigid Galvanized Steel (RGS) Chase Nipple	11.04	5.26
		For Work In Restricted Working Space, Add	*3.16*	
		For Installation Above 14', Add	*1.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.16*	
26 05 33 13-0557	EA	1" Rigid Galvanized Steel (RGS) Chase Nipple	13.88	6.40
		For Work In Restricted Working Space, Add	*3.84*	
		For Installation Above 14', Add	*1.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.84*	
26 05 33 13-0558	EA	1-1/4" Rigid Galvanized Steel (RGS) Chase Nipple	16.95	7.52
		For Work In Restricted Working Space, Add	*4.52*	
		For Installation Above 14', Add	*2.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.52*	
26 05 33 13-0559	EA	1-1/2" Rigid Galvanized Steel (RGS) Chase Nipple	21.25	9.40
		For Work In Restricted Working Space, Add	*5.64*	
		For Installation Above 14', Add	*2.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.64*	
26 05 33 13-0560	EA	2" Rigid Galvanized Steel (RGS) Chase Nipple	26.53	11.29
		For Work In Restricted Working Space, Add	*6.77*	
		For Installation Above 14', Add	*3.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	
26 05 33 13-0561	EA	2-1/2" Rigid Galvanized Steel (RGS) Chase Nipple	33.86	13.16
		For Work In Restricted Working Space, Add	*7.90*	
		For Installation Above 14', Add	*3.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.90*	
26 05 33 13-0562	EA	3" Rigid Galvanized Steel (RGS) Chase Nipple	37.83	15.05
		For Work In Restricted Working Space, Add	*9.03*	
		For Installation Above 14', Add	*4.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.03*	
26 05 33 13-0563	EA	3-1/2" Rigid Galvanized Steel (RGS) Chase Nipple	47.52	16.92
		For Work In Restricted Working Space, Add	*10.16*	
		For Installation Above 14', Add	*5.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.16*	
26 05 33 13-0564	EA	4" Rigid Galvanized Steel (RGS) Chase Nipple	66.25	18.81
		For Work In Restricted Working Space, Add	*11.29*	
		For Installation Above 14', Add	*5.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.29*	

26 05 33 13-0565 Rigid Galvanized Steel (RGS) Pulling Elbow *(26 05 33 13-0042)*

26 05 33 13-0566	EA	1/2" Rigid Galvanized Steel (RGS) Pulling Elbow	18.74	6.77
		For Work In Restricted Working Space, Add	*4.07*	
		For Installation Above 14', Add	*2.03*	
26 05 33 13-0567	EA	3/4" Rigid Galvanized Steel (RGS) Pulling Elbow	21.76	7.90
		For Work In Restricted Working Space, Add	*4.74*	
		For Installation Above 14', Add	*2.37*	
26 05 33 13-0568	EA	1" Rigid Galvanized Steel (RGS) Pulling Elbow	27.96	9.02
		For Work In Restricted Working Space, Add	*5.42*	
		For Installation Above 14', Add	*2.71*	
26 05 33 13-0569	EA	1-1/4" Rigid Galvanized Steel (RGS) Pulling Elbow	35.90	11.29
		For Work In Restricted Working Space, Add	*6.77*	
		For Installation Above 14', Add	*3.39*	
26 05 33 13-0570	EA	1-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow	48.24	13.55
		For Work In Restricted Working Space, Add	*8.12*	
		For Installation Above 14', Add	*4.06*	
26 05 33 13-0571	EA	2" Rigid Galvanized Steel (RGS) Pulling Elbow	65.09	15.80
		For Work In Restricted Working Space, Add	*9.48*	
		For Installation Above 14', Add	*4.74*	
26 05 33 13-0572	EA	2-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow	91.40	18.06
		For Work In Restricted Working Space, Add	*10.83*	
		For Installation Above 14', Add	*5.42*	
26 05 33 13-0573	EA	3" Rigid Galvanized Steel (RGS) Pulling Elbow	162.27	22.57
		For Work In Restricted Working Space, Add	*13.54*	
		For Installation Above 14', Add	*6.77*	

26 05 33 13-0574 Electrical Metallic Tubing (EMT) Thinwall Conduit *(26 05 33 13-0041)*

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0575		Electrical Metallic Tubing (EMT) Thinwall Conduit *(26 05 33 13-0574)*			
		Note: Includes field bending conduit up to and including 1".			
26 05 33 13-0576	LF	1/2" Electrical Metallic Tubing (EMT) Conduit		3.74	1.35
		For >250 To 500, Deduct		*-0.02*	
		For >500 To 1,000, Deduct		*-0.20*	
		For >1,000, Deduct		*-0.29*	
		For Installation In Metal Stud Wall, Add		*0.34*	
		For Installation In Wood Stud Wall (Includes Drilling), Add		*0.85*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add		*0.51*	
		For Work In Restricted Working Space, Add		*1.02*	
		For Installation Above 14', Add		*0.51*	
26 05 33 13-0577	LF	3/4" Electrical Metallic Tubing (EMT) Conduit		4.39	1.50
		For >250 To 500, Deduct		*-0.03*	
		For >500 To 1,000, Deduct		*-0.24*	
		For >1,000, Deduct		*-0.35*	
		For Installation In Metal Stud Wall, Add		*0.38*	
		For Installation In Wood Stud Wall (Includes Drilling), Add		*0.94*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add		*0.56*	
		For Work In Restricted Working Space, Add		*1.13*	
		For Installation Above 14', Add		*0.56*	
26 05 33 13-0578	LF	1" Electrical Metallic Tubing (EMT) Conduit		5.26	1.65
		For >250 To 500, Deduct		*-0.06*	
		For >500 To 1,000, Deduct		*-0.29*	
		For >1,000, Deduct		*-0.42*	
		For Installation In Metal Stud Wall, Add		*0.41*	
		For Installation In Wood Stud Wall (Includes Drilling), Add		*1.04*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add		*0.62*	
		For Work In Restricted Working Space, Add		*1.24*	
		For Installation Above 14', Add		*0.62*	
26 05 33 13-0579	LF	1-1/4" Electrical Metallic Tubing (EMT) Conduit		6.24	1.86
		For >250 To 500, Deduct		*-0.08*	
		For >500 To 1,000, Deduct		*-0.35*	
		For >1,000, Deduct		*-0.51*	
		For Installation In Metal Stud Wall, Add		*0.47*	
		For Installation In Wood Stud Wall (Includes Drilling), Add		*1.17*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add		*0.70*	
		For Work In Restricted Working Space, Add		*1.40*	
		For Installation Above 14', Add		*0.70*	
26 05 33 13-0580	LF	1-1/2" Electrical Metallic Tubing (EMT) Conduit		7.20	2.11
		For >250 To 500, Deduct		*-0.10*	
		For >500 To 1,000, Deduct		*-0.41*	
		For >1,000, Deduct		*-0.59*	
		For Installation In Metal Stud Wall, Add		*0.53*	
		For Installation In Wood Stud Wall (Includes Drilling), Add		*1.32*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add		*0.79*	
		For Work In Restricted Working Space, Add		*1.58*	
		For Installation Above 14', Add		*0.79*	
26 05 33 13-0581	LF	2" Electrical Metallic Tubing (EMT) Conduit		8.41	2.41
		For >250 To 500, Deduct		*-0.12*	
		For >500 To 1,000, Deduct		*-0.48*	
		For >1,000, Deduct		*-0.69*	
		For Installation In Metal Stud Wall, Add		*0.60*	
		For Installation In Wood Stud Wall (Includes Drilling), Add		*1.51*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add		*0.90*	
		For Work In Restricted Working Space, Add		*1.81*	
		For Installation Above 14', Add		*0.90*	
26 05 33 13-0582	LF	2-1/2" Electrical Metallic Tubing (EMT) Conduit		10.76	2.86
		For >250 To 500, Deduct		*-0.18*	
		For >500 To 1,000, Deduct		*-0.63*	
		For >1,000, Deduct		*-0.90*	
		For Installation In Metal Stud Wall, Add		*0.72*	
		For Installation In Wood Stud Wall (Includes Drilling), Add		*1.79*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add		*1.07*	
		For Work In Restricted Working Space, Add		*2.15*	
		For Installation Above 14', Add		*1.07*	
26 05 33 13-0583	LF	3" Electrical Metallic Tubing (EMT) Conduit		12.87	3.31
		For >250 To 500, Deduct		*-0.23*	
		For >500 To 1,000, Deduct		*-0.76*	
		For >1,000, Deduct		*-1.08*	
		For Installation In Metal Stud Wall, Add		*0.83*	
		For Installation In Wood Stud Wall (Includes Drilling), Add		*2.07*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add		*1.24*	
		For Work In Restricted Working Space, Add		*2.48*	
		For Installation Above 14', Add		*1.24*	
26 05 33 13-0584	LF	3-1/2" Electrical Metallic Tubing (EMT) Conduit		16.12	3.91
		For >250 To 500, Deduct		*-0.32*	
		For >500 To 1,000, Deduct		*-0.96*	
		For >1,000, Deduct		*-1.37*	
		For Installation In Metal Stud Wall, Add		*0.98*	
		For Installation In Wood Stud Wall (Includes Drilling), Add		*2.45*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add		*1.47*	
		For Work In Restricted Working Space, Add		*2.94*	
		For Installation Above 14', Add		*1.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0585	LF	4" Electrical Metallic Tubing (EMT) Conduit	21.79	5.94
		For >250 To 500, Deduct	*-0.35*	
		For >500 To 1,000, Deduct	*-1.26*	
		For >1,000, Deduct	*-1.81*	
		For Installation In Metal Stud Wall, Add	*1.48*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*3.71*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*2.23*	
		For Work In Restricted Working Space, Add	*4.45*	
		For Installation Above 14', Add	*2.23*	

26 05 33 13-0586 Electrical Metallic Tubing (EMT) 90 Degree Elbows *(26 05 33 13-0574)*

See CSI section 26 05 33 13-2157 for conduit field bending.

26 05 33 13-0587 Electrical Metallic Tubing (EMT) Set Screw Couplings *(26 05 33 13-0574)*

26 05 33 13-0588	EA	1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	3.96	1.80
		For Work In Restricted Working Space, Add	*1.13*	
		For Installation Above 14', Add	*0.56*	
26 05 33 13-0589	EA	3/4" Electrical Metallic Tubing (EMT) Set Screw Coupling	4.86	1.80
		For Work In Restricted Working Space, Add	*1.35*	
		For Installation Above 14', Add	*0.68*	
26 05 33 13-0590	EA	1" Electrical Metallic Tubing (EMT) Set Screw Coupling	5.86	2.11
		For Work In Restricted Working Space, Add	*1.58*	
		For Installation Above 14', Add	*0.79*	
26 05 33 13-0591	EA	1-1/4" Electrical Metallic Tubing (EMT) Set Screw Coupling	7.84	2.71
		For Work In Restricted Working Space, Add	*2.03*	
		For Installation Above 14', Add	*1.02*	
26 05 33 13-0592	EA	1-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	9.82	3.31
		For Work In Restricted Working Space, Add	*2.48*	
		For Installation Above 14', Add	*1.24*	
26 05 33 13-0593	EA	2" Electrical Metallic Tubing (EMT) Set Screw Coupling	13.31	4.51
		For Work In Restricted Working Space, Add	*3.38*	
		For Installation Above 14', Add	*1.69*	
26 05 33 13-0594	EA	2-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	19.46	6.02
		For Work In Restricted Working Space, Add	*4.52*	
		For Installation Above 14', Add	*2.26*	
26 05 33 13-0595	EA	3" Electrical Metallic Tubing (EMT) Set Screw Coupling	24.18	6.92
		For Work In Restricted Working Space, Add	*5.64*	
		For Installation Above 14', Add	*2.82*	
26 05 33 13-0596	EA	3-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	29.09	7.52
		For Work In Restricted Working Space, Add	*6.77*	
		For Installation Above 14', Add	*3.39*	
26 05 33 13-0597	EA	4" Electrical Metallic Tubing (EMT) Set Screw Coupling	77.30	21.52
		For Work In Restricted Working Space, Add	*20.89*	
		For Installation Above 14', Add	*10.45*	

26 05 33 13-0598 Electrical Metallic Tubing (EMT) Compression Couplings *(26 05 33 13-0574)*

26 05 33 13-0599	EA	1/2 Electrical Metallic Tubing (EMT) Compression Coupling	5.28	1.97
		For Work In Restricted Working Space, Add	*1.48*	
		For Installation Above 14', Add	*0.74*	
26 05 33 13-0600	EA	3/4" Electrical Metallic Tubing (EMT) Compression Coupling	5.76	2.11
		For Work In Restricted Working Space, Add	*1.58*	
		For Installation Above 14', Add	*0.79*	
26 05 33 13-0601	EA	1" Electrical Metallic Tubing (EMT) Compression Coupling	8.37	3.01
		For Work In Restricted Working Space, Add	*2.26*	
		For Installation Above 14', Add	*1.13*	
26 05 33 13-0602	EA	1-1/4" Electrical Metallic Tubing (EMT) Compression Coupling	10.51	3.61
		For Work In Restricted Working Space, Add	*2.71*	
		For Installation Above 14', Add	*1.35*	
26 05 33 13-0603	EA	1-1/2" Electrical Metallic Tubing (EMT) Compression Coupling	12.66	4.21
		For Work In Restricted Working Space, Add	*3.16*	
		For Installation Above 14', Add	*1.58*	
26 05 33 13-0604	EA	2" Electrical Metallic Tubing (EMT) Compression Coupling	15.84	5.11
		For Work In Restricted Working Space, Add	*3.84*	
		For Installation Above 14', Add	*1.92*	
26 05 33 13-0605	EA	2-1/2" Electrical Metallic Tubing (EMT) Compression Coupling	27.40	7.57
		For Work In Restricted Working Space, Add	*5.68*	
		For Installation Above 14', Add	*2.84*	
26 05 33 13-0606	EA	3" Electrical Metallic Tubing (EMT) Compression Coupling	31.51	8.42
		For Work In Restricted Working Space, Add	*6.32*	
		For Installation Above 14', Add	*3.16*	
26 05 33 13-0607	EA	3-1/2" Electrical Metallic Tubing (EMT) Compression Coupling	40.00	10.54
		For Work In Restricted Working Space, Add	*7.90*	
		For Installation Above 14', Add	*3.95*	
26 05 33 13-0608	EA	4" Electrical Metallic Tubing (EMT) Compression Coupling	48.73	13.55
		For Work In Restricted Working Space, Add	*10.16*	
		For Installation Above 14', Add	*5.08*	

26 05 33 13-0609 Electrical Metallic Tubing (EMT) Box Connectors With Set Screw *(26 05 33 13-0574)*

26 05 33 13-0610	EA	1/2" Electrical Metallic Tubing (EMT) Box Connector With Set Screw	3.99	1.50
		For Work In Restricted Working Space, Add	*1.13*	
		For Installation Above 14', Add	*0.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.13*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0611		EA	3/4" Electrical Metallic Tubing (EMT) Box Connector With Set Screw	4.91	1.80
			For Work In Restricted Working Space, Add	*1.35*	
			For Installation Above 14', Add	*0.68*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.35*	
26 05 33 13-0612		EA	1" Electrical Metallic Tubing (EMT) Box Connector With Set Screw	5.85	2.11
			For Work In Restricted Working Space, Add	*1.58*	
			For Installation Above 14', Add	*0.79*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.58*	
26 05 33 13-0613		EA	1-1/4" Electrical Metallic Tubing (EMT) Box Connector With Set Screw	8.49	3.01
			For Work In Restricted Working Space, Add	*2.26*	
			For Installation Above 14', Add	*1.13*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.26*	
26 05 33 13-0614		EA	1-1/2" Electrical Metallic Tubing (EMT) Box Connector With Set Screw	10.70	3.61
			For Work In Restricted Working Space, Add	*2.71*	
			For Installation Above 14', Add	*1.35*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.71*	
26 05 33 13-0615		EA	2" Electrical Metallic Tubing (EMT) Box Connector With Set Screw	13.47	4.51
			For Work In Restricted Working Space, Add	*3.39*	
			For Installation Above 14', Add	*1.69*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.39*	
26 05 33 13-0616		EA	2-1/2" Electrical Metallic Tubing (EMT) Box Connector With Set Screw	20.33	6.02
			For Work In Restricted Working Space, Add	*4.52*	
			For Installation Above 14', Add	*2.26*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.52*	
26 05 33 13-0617		EA	3" Electrical Metallic Tubing (EMT) Box Connector With Set Screw	25.10	7.52
			For Work In Restricted Working Space, Add	*5.64*	
			For Installation Above 14', Add	*2.82*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.64*	
26 05 33 13-0618		EA	3-1/2" Electrical Metallic Tubing (EMT) Box Connector With Set Screw	30.03	9.02
			For Work In Restricted Working Space, Add	*6.77*	
			For Installation Above 14', Add	*3.39*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	
26 05 33 13-0619		EA	4" Electrical Metallic Tubing (EMT) Box Connector With Set Screw	34.97	10.54
			For Work In Restricted Working Space, Add	*7.90*	
			For Installation Above 14', Add	*3.95*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.90*	

26 05 33 13-0620 Electrical Metallic Tubing (EMT) Insulated Box Connectors With Set Screw

(26 05 33 13-0574)

26 05 33 13-0621		EA	1/2" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw	5.80	2.04
			For Work In Restricted Working Space, Add	*1.51*	
			For Installation Above 14', Add	*0.76*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.51*	
26 05 33 13-0622		EA	3/4" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw	6.71	2.19
			For Work In Restricted Working Space, Add	*1.65*	
			For Installation Above 14', Add	*0.82*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.65*	
26 05 33 13-0623		EA	1" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw	8.74	2.71
			For Work In Restricted Working Space, Add	*2.01*	
			For Installation Above 14', Add	*1.01*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.01*	
26 05 33 13-0624		EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw	12.14	3.46
			For Work In Restricted Working Space, Add	*2.57*	
			For Installation Above 14', Add	*1.29*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.57*	
26 05 33 13-0625		EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw	15.26	3.99
			For Work In Restricted Working Space, Add	*3.00*	
			For Installation Above 14', Add	*1.50*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.00*	
26 05 33 13-0626		EA	2" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw	19.64	4.81
			For Work In Restricted Working Space, Add	*3.61*	
			For Installation Above 14', Add	*1.81*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.61*	
26 05 33 13-0627		EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw	50.34	6.70
			For Work In Restricted Working Space, Add	*5.01*	
			For Installation Above 14', Add	*2.51*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.01*	
26 05 33 13-0628		EA	3" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw	62.03	8.87
			For Work In Restricted Working Space, Add	*6.68*	
			For Installation Above 14', Add	*3.34*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.68*	
26 05 33 13-0629		EA	3-1/2" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw	82.70	11.44
			For Work In Restricted Working Space, Add	*8.60*	
			For Installation Above 14', Add	*4.30*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.60*	
26 05 33 13-0630		EA	4" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw	96.75	15.05
			For Work In Restricted Working Space, Add	*11.29*	
			For Installation Above 14', Add	*5.64*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.29*	

26 05 33 13-0631 Electrical Metallic Tubing (EMT) Box Compression Connectors *(26 05 33 13-0574)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0632	EA	1/2" Electrical Metallic Tubing (EMT) Box Compression Connector	5.89	1.80
		For Work In Restricted Working Space, Add	*1.35*	
		For Installation Above 14', Add	*0.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.35*	
26 05 33 13-0633	EA	3/4" Electrical Metallic Tubing (EMT) Box Compression Connector	7.15	2.11
		For Work In Restricted Working Space, Add	*1.58*	
		For Installation Above 14', Add	*0.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.58*	
26 05 33 13-0634	EA	1" Electrical Metallic Tubing (EMT) Box Compression Connector	9.33	2.41
		For Work In Restricted Working Space, Add	*1.81*	
		For Installation Above 14', Add	*0.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.81*	
26 05 33 13-0635	EA	1-1/4" Electrical Metallic Tubing (EMT) Box Compression Connector	15.44	3.61
		For Work In Restricted Working Space, Add	*2.71*	
		For Installation Above 14', Add	*1.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.71*	
26 05 33 13-0636	EA	1-1/2" Electrical Metallic Tubing (EMT) Box Compression Connector	19.97	4.21
		For Work In Restricted Working Space, Add	*3.16*	
		For Installation Above 14', Add	*1.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.16*	
26 05 33 13-0637	EA	2" Electrical Metallic Tubing (EMT) Box Compression Connector	27.57	5.41
		For Work In Restricted Working Space, Add	*4.07*	
		For Installation Above 14', Add	*2.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.07*	
26 05 33 13-0638	EA	2-1/2" Electrical Metallic Tubing (EMT) Box Compression Connector	65.98	7.22
		For Work In Restricted Working Space, Add	*5.42*	
		For Installation Above 14', Add	*2.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 05 33 13-0639	EA	3" Electrical Metallic Tubing (EMT) Box Compression Connector	86.80	9.02
		For Work In Restricted Working Space, Add	*6.77*	
		For Installation Above 14', Add	*3.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	
26 05 33 13-0640	EA	3-1/2" Electrical Metallic Tubing (EMT) Box Compression Connector	119.11	10.54
		For Work In Restricted Working Space, Add	*7.90*	
		For Installation Above 14', Add	*3.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.90*	
26 05 33 13-0641	EA	4" Electrical Metallic Tubing (EMT) Box Compression Connector	125.94	12.04
		For Work In Restricted Working Space, Add	*9.03*	
		For Installation Above 14', Add	*4.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.03*	

26 05 33 13-0642 Electrical Metallic Tubing (EMT) Insulated Box Compression Connectors *(26 05 33 13-0574)*

26 05 33 13-0643	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector	6.57	2.04
		For Work In Restricted Working Space, Add	*1.51*	
		For Installation Above 14', Add	*0.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.51*	
26 05 33 13-0644	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector	7.63	2.19
		For Work In Restricted Working Space, Add	*1.65*	
		For Installation Above 14', Add	*0.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.65*	
26 05 33 13-0645	EA	1" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector	10.37	2.71
		For Work In Restricted Working Space, Add	*2.01*	
		For Installation Above 14', Add	*1.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.01*	
26 05 33 13-0646	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector	15.91	3.46
		For Work In Restricted Working Space, Add	*2.57*	
		For Installation Above 14', Add	*1.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.57*	
26 05 33 13-0647	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector	20.66	3.99
		For Work In Restricted Working Space, Add	*3.00*	
		For Installation Above 14', Add	*1.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.00*	
26 05 33 13-0648	EA	2" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector	27.54	4.81
		For Work In Restricted Working Space, Add	*3.61*	
		For Installation Above 14', Add	*1.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.61*	
26 05 33 13-0649	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector	76.85	6.70
		For Work In Restricted Working Space, Add	*5.01*	
		For Installation Above 14', Add	*2.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.01*	
26 05 33 13-0650	EA	3" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector	99.76	8.87
		For Work In Restricted Working Space, Add	*6.68*	
		For Installation Above 14', Add	*3.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.68*	
26 05 33 13-0651	EA	3-1/2" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector	135.71	11.44
		For Work In Restricted Working Space, Add	*8.60*	
		For Installation Above 14', Add	*4.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.60*	
26 05 33 13-0652	EA	4" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector	152.83	15.05
		For Work In Restricted Working Space, Add	*11.29*	
		For Installation Above 14', Add	*5.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.29*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0653		**Electrical Metallic Tubing (EMT) Expansion Fittings** *(26 05 33 13-0574)* Note: Excludes jumper.		
26 05 33 13-0654	EA	1/2" Electrical Metallic Tubing (EMT) Expansion Fitting	55.62	10.01
		For Work In Restricted Working Space, Add	*7.51*	
		For Installation Above 14', Add	*3.75*	
26 05 33 13-0655	EA	3/4" Electrical Metallic Tubing (EMT) Expansion Fitting	66.84	12.11
		For Work In Restricted Working Space, Add	*9.11*	
		For Installation Above 14', Add	*4.55*	
26 05 33 13-0656	EA	1" Electrical Metallic Tubing (EMT) Expansion Fitting	84.09	15.20
		For Work In Restricted Working Space, Add	*11.38*	
		For Installation Above 14', Add	*5.69*	
26 05 33 13-0657	EA	1-1/4" Electrical Metallic Tubing (EMT) Expansion Fitting	103.55	18.66
		For Work In Restricted Working Space, Add	*14.00*	
		For Installation Above 14', Add	*7.00*	
26 05 33 13-0658	EA	1-1/2" Electrical Metallic Tubing (EMT) Expansion Fitting	132.00	21.90
		For Work In Restricted Working Space, Add	*16.42*	
		For Installation Above 14', Add	*8.21*	
26 05 33 13-0659	EA	2" Electrical Metallic Tubing (EMT) Expansion Fitting	181.48	26.63
		For Work In Restricted Working Space, Add	*20.00*	
		For Installation Above 14', Add	*10.00*	
26 05 33 13-0660	EA	2-1/2" Electrical Metallic Tubing (EMT) Expansion Fitting	266.97	34.23
		For Work In Restricted Working Space, Add	*25.68*	
		For Installation Above 14', Add	*12.84*	
26 05 33 13-0661	EA	3" Electrical Metallic Tubing (EMT) Expansion Fitting	322.24	40.02
		For Work In Restricted Working Space, Add	*30.03*	
		For Installation Above 14', Add	*15.01*	
26 05 33 13-0662	EA	3-1/2" Electrical Metallic Tubing (EMT) Expansion Fitting	414.98	43.63
		For Work In Restricted Working Space, Add	*32.74*	
		For Installation Above 14', Add	*16.37*	
26 05 33 13-0663	EA	4" Electrical Metallic Tubing (EMT) Expansion Fitting	506.76	48.14
		For Work In Restricted Working Space, Add	*36.12*	
		For Installation Above 14', Add	*18.06*	
26 05 33 13-0664		**Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapters** *(26 05 33 13-0574)*		
26 05 33 13-0665	EA	1/2" To 3/8" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	8.50	2.71
		For Work In Restricted Working Space, Add	*2.00*	
		For Installation Above 14', Add	*1.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.00*	
26 05 33 13-0666	EA	1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	10.01	2.71
		For Work In Restricted Working Space, Add	*2.00*	
		For Installation Above 14', Add	*1.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.00*	
26 05 33 13-0667	EA	3/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	11.71	2.94
		For Work In Restricted Working Space, Add	*2.23*	
		For Installation Above 14', Add	*1.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.23*	
26 05 33 13-0668	EA	1" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	19.72	3.39
		For Work In Restricted Working Space, Add	*2.54*	
		For Installation Above 14', Add	*1.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.54*	
26 05 33 13-0669	EA	1-1/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	23.90	4.06
		For Work In Restricted Working Space, Add	*3.07*	
		For Installation Above 14', Add	*1.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.07*	
26 05 33 13-0670	EA	1-1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	27.18	4.66
		For Work In Restricted Working Space, Add	*3.50*	
		For Installation Above 14', Add	*1.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.50*	
26 05 33 13-0671	EA	2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	37.14	5.87
		For Work In Restricted Working Space, Add	*4.38*	
		For Installation Above 14', Add	*2.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.38*	
26 05 33 13-0672		**Intermediate Metal Conduit (IMC)** *(26 05 33 13-0041)* Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0673		**Intermediate Metal Conduit (IMC) Conduit** *(26 05 33 13-0672)* Note: Includes field bending conduit up to 1".		
26 05 33 13-0674	LF	1/2" Intermediate Metal Conduit (IMC) Conduit	4.83	1.50
		For >250 To 500, Deduct	*-0.05*	
		For >500 To 1,000, Deduct	*-0.08*	
		For >1,000, Deduct	*-0.11*	
		For Installation In Metal Stub Wall, Add	*0.38*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.94*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.56*	
		For Work In Restricted Working Space, Add	*1.13*	
		For Installation Above 14', Add	*0.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0675	LF	3/4" Intermediate Metal Conduit (IMC) Conduit	5.42	1.65
		For >250 To 500, Deduct	*-0.06*	
		For >500 To 1,000, Deduct	*-0.10*	
		For >1,000, Deduct	*-0.13*	
		For Installation In Metal Stub Wall, Add	*0.41*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.04*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.62*	
		For Work In Restricted Working Space, Add	*1.24*	
		For Installation Above 14', Add	*0.62*	
26 05 33 13-0676	LF	1" Intermediate Metal Conduit (IMC) Conduit	6.48	1.80
		For >250 To 500, Deduct	*-0.10*	
		For >500 To 1,000, Deduct	*-0.15*	
		For >1,000, Deduct	*-0.20*	
		For Installation In Metal Stub Wall, Add	*0.45*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.13*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.68*	
		For Work In Restricted Working Space, Add	*1.35*	
		For Installation Above 14', Add	*0.68*	
26 05 33 13-0677	LF	1-1/4" Intermediate Metal Conduit (IMC) Conduit	7.76	3.61
		For >250 To 500, Deduct	*-0.13*	
		For >500 To 1,000, Deduct	*-0.19*	
		For >1,000, Deduct	*-0.25*	
		For Installation In Metal Stub Wall, Add	*0.53*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.32*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.79*	
		For Work In Restricted Working Space, Add	*1.58*	
		For Installation Above 14', Add	*0.79*	
26 05 33 13-0678	LF	1-1/2" Intermediate Metal Conduit (IMC) Conduit	8.97	2.41
		For >250 To 500, Deduct	*-0.15*	
		For >500 To 1,000, Deduct	*-0.22*	
		For >1,000, Deduct	*-0.30*	
		For Installation In Metal Stub Wall, Add	*0.60*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.51*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.90*	
		For Work In Restricted Working Space, Add	*1.81*	
		For Installation Above 14', Add	*0.90*	
26 05 33 13-0679	LF	2" Intermediate Metal Conduit (IMC) Conduit	10.77	2.71
		For >250 To 500, Deduct	*-0.20*	
		For >500 To 1,000, Deduct	*-0.30*	
		For >1,000, Deduct	*-0.40*	
		For Installation In Metal Stub Wall, Add	*0.68*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.69*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.02*	
		For Work In Restricted Working Space, Add	*2.03*	
		For Installation Above 14', Add	*1.02*	
26 05 33 13-0680	LF	2-1/2" Intermediate Metal Conduit (IMC) Conduit	17.88	3.61
		For >250 To 500, Deduct	*-0.44*	
		For >500 To 1,000, Deduct	*-0.66*	
		For >1,000, Deduct	*-0.89*	
		For Installation In Metal Stub Wall, Add	*0.90*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.26*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.35*	
		For Work In Restricted Working Space, Add	*2.71*	
		For Installation Above 14', Add	*1.35*	
26 05 33 13-0681	LF	3" Intermediate Metal Conduit (IMC) Conduit	22.20	4.51
		For >250 To 500, Deduct	*-0.55*	
		For >500 To 1,000, Deduct	*-0.82*	
		For >1,000, Deduct	*-1.09*	
		For Installation In Metal Stub Wall, Add	*1.13*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.82*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.69*	
		For Work In Restricted Working Space, Add	*3.39*	
		For Installation Above 14', Add	*1.69*	
26 05 33 13-0682	LF	3-1/2" Intermediate Metal Conduit (IMC) Conduit	26.18	5.41
		For >250 To 500, Deduct	*-0.63*	
		For >500 To 1,000, Deduct	*-0.95*	
		For >1,000, Deduct	*-1.26*	
		For Installation In Metal Stub Wall, Add	*1.36*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*3.39*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*2.03*	
		For Work In Restricted Working Space, Add	*4.07*	
		For Installation Above 14', Add	*2.03*	
26 05 33 13-0683	LF	4" Intermediate Metal Conduit (IMC) Conduit	30.67	6.32
		For >250 To 500, Deduct	*-0.74*	
		For >500 To 1,000, Deduct	*-1.12*	
		For >1,000, Deduct	*-1.49*	
		For Installation In Metal Stub Wall, Add	*1.58*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*3.95*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*2.37*	
		For Work In Restricted Working Space, Add	*4.74*	
		For Installation Above 14', Add	*2.37*	

26 05 33 13-0684 Intermediate Metal Conduit (IMC) 90 Degree Elbows *(26 05 33 13-0672)*
See CSI section 26 05 33 13-2157 for conduit field bending.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0685	EA	1" Intermediate Metal Conduit (IMC) 90 Degree Elbow	37.39	11.36
		For Work In Restricted Working Space, Add	*8.50*	
		For Installation Above 14', Add	*4.25*	
26 05 33 13-0686	EA	1-1/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	45.61	13.16
		For Work In Restricted Working Space, Add	*9.87*	
		For Installation Above 14', Add	*4.93*	
26 05 33 13-0687	EA	1-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	53.84	15.12
		For Work In Restricted Working Space, Add	*11.33*	
		For Installation Above 14', Add	*5.66*	
26 05 33 13-0688	EA	2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	64.68	16.62
		For Work In Restricted Working Space, Add	*12.46*	
		For Installation Above 14', Add	*6.23*	
26 05 33 13-0689	EA	2-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	91.22	20.76
		For Work In Restricted Working Space, Add	*15.57*	
		For Installation Above 14', Add	*7.79*	
26 05 33 13-0690	EA	3" Intermediate Metal Conduit (IMC) 90 Degree Elbow	130.91	28.28
		For Work In Restricted Working Space, Add	*21.21*	
		For Installation Above 14', Add	*10.61*	
26 05 33 13-0691	EA	3-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	186.03	31.90
		For Work In Restricted Working Space, Add	*23.93*	
		For Installation Above 14', Add	*11.96*	
26 05 33 13-0692	EA	4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	227.07	41.53
		For Work In Restricted Working Space, Add	*31.14*	
		For Installation Above 14', Add	*15.57*	

26 05 33 13-0693 Intermediate Metal Conduit (IMC) Bushing Sets With Locknut *(26 05 33 13-0672)*

26 05 33 13-0694	EA	1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	10.18	3.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.94*	
26 05 33 13-0695	EA	3/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	11.96	0.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.39*	
26 05 33 13-0696	EA	1" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	15.42	5.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.29*	
26 05 33 13-0697	EA	1-1/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	18.80	6.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.19*	
26 05 33 13-0698	EA	1-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	20.94	7.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.64*	
26 05 33 13-0699	EA	2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	26.84	9.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.00*	
26 05 33 13-0700	EA	2-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	48.58	15.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.29*	
26 05 33 13-0701	EA	3" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	60.91	20.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.35*	
26 05 33 13-0702	EA	3-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	78.56	24.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.28*	
26 05 33 13-0703	EA	4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	92.51	28.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.22*	

26 05 33 13-0704 Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fittings *(26 05 33 13-0672)*

Note: 3-Piece coupling.

26 05 33 13-0705	EA	1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	33.18	12.04
		For Work In Restricted Working Space, Add	*9.04*	
		For Installation Above 14', Add	*4.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.04*	
26 05 33 13-0706	EA	3/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	37.56	13.46
		For Work In Restricted Working Space, Add	*10.09*	
		For Installation Above 14', Add	*5.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.09*	
26 05 33 13-0707	EA	1" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	45.04	14.97
		For Work In Restricted Working Space, Add	*11.24*	
		For Installation Above 14', Add	*5.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.24*	
26 05 33 13-0708	EA	1-1/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	54.93	16.40
		For Work In Restricted Working Space, Add	*12.30*	
		For Installation Above 14', Add	*6.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.30*	
26 05 33 13-0709	EA	1-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	62.34	17.91
		For Work In Restricted Working Space, Add	*13.46*	
		For Installation Above 14', Add	*6.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.46*	
26 05 33 13-0710	EA	2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	83.55	19.41
		For Work In Restricted Working Space, Add	*14.57*	
		For Installation Above 14', Add	*7.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.57*	
26 05 33 13-0711	EA	2-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	135.02	24.07
		For Work In Restricted Working Space, Add	*18.06*	
		For Installation Above 14', Add	*9.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.06*	
26 05 33 13-0712	EA	3" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	189.34	30.10
		For Work In Restricted Working Space, Add	*22.57*	
		For Installation Above 14', Add	*11.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0713	EA	3-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	273.63	36.11
		For Work In Restricted Working Space, Add	*27.09*	
		For Installation Above 14', Add	*13.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.09*	
26 05 33 13-0714	EA	4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	314.78	39.12
		For Work In Restricted Working Space, Add	*29.34*	
		For Installation Above 14', Add	*14.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.34*	
26 05 33 13-0715		Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connectors *(26 05 33 13-0672)*		
26 05 33 13-0716	EA	1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	18.37	6.02
		For Work In Restricted Working Space, Add	*4.52*	
		For Installation Above 14', Add	*2.26*	
26 05 33 13-0717	EA	3/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	20.48	6.62
		For Work In Restricted Working Space, Add	*4.97*	
		For Installation Above 14', Add	*2.48*	
26 05 33 13-0718	EA	1" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	23.49	7.52
		For Work In Restricted Working Space, Add	*5.64*	
		For Installation Above 14', Add	*2.82*	
26 05 33 13-0719	EA	1-1/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	26.48	8.12
		For Work In Restricted Working Space, Add	*6.09*	
		For Installation Above 14', Add	*3.05*	
26 05 33 13-0720	EA	1-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	31.17	9.02
		For Work In Restricted Working Space, Add	*6.77*	
		For Installation Above 14', Add	*3.39*	
26 05 33 13-0721	EA	2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	37.54	9.94
		For Work In Restricted Working Space, Add	*7.45*	
		For Installation Above 14', Add	*3.72*	
26 05 33 13-0722	EA	2-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	50.49	12.04
		For Work In Restricted Working Space, Add	*9.03*	
		For Installation Above 14', Add	*4.52*	
26 05 33 13-0723	EA	3" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	62.50	15.05
		For Work In Restricted Working Space, Add	*11.29*	
		For Installation Above 14', Add	*5.64*	
26 05 33 13-0724	EA	3-1/2"" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	75.07	18.06
		For Work In Restricted Working Space, Add	*13.54*	
		For Installation Above 14', Add	*6.77*	
26 05 33 13-0725	EA	4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	84.45	19.56
		For Work In Restricted Working Space, Add	*14.67*	
		For Installation Above 14', Add	*7.34*	
26 05 33 13-0726		Intermediate Metal Conduit (IMC) Rain Tight Threaded Hubs *(26 05 33 13-0672)*		
26 05 33 13-0727	EA	1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	16.43	6.02
		For Work In Restricted Working Space, Add	*4.52*	
		For Installation Above 14', Add	*2.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.52*	
26 05 33 13-0728	EA	3/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	20.89	7.52
		For Work In Restricted Working Space, Add	*5.64*	
		For Installation Above 14', Add	*2.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.64*	
26 05 33 13-0729	EA	1" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	25.64	9.02
		For Work In Restricted Working Space, Add	*6.77*	
		For Installation Above 14', Add	*3.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	
26 05 33 13-0730	EA	1-1/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	30.68	10.54
		For Work In Restricted Working Space, Add	*7.90*	
		For Installation Above 14', Add	*3.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.90*	
26 05 33 13-0731	EA	1-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	35.68	12.04
		For Work In Restricted Working Space, Add	*9.03*	
		For Installation Above 14', Add	*4.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.03*	
26 05 33 13-0732	EA	2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	41.93	13.55
		For Work In Restricted Working Space, Add	*10.16*	
		For Installation Above 14', Add	*5.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.16*	
26 05 33 13-0733	EA	2-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	51.16	15.05
		For Work In Restricted Working Space, Add	*11.29*	
		For Installation Above 14', Add	*5.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.29*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0734	EA	3" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	59.62	16.55
		For Work In Restricted Working Space, Add	*12.41*	
		For Installation Above 14', Add	*6.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.41*	
26 05 33 13-0735	EA	3-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	72.55	19.56
		For Work In Restricted Working Space, Add	*14.67*	
		For Installation Above 14', Add	*7.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.67*	
26 05 33 13-0736	EA	4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	82.50	21.06
		For Work In Restricted Working Space, Add	*15.80*	
		For Installation Above 14', Add	*7.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.80*	

26 05 33 13-0737 Intermediate Metal Conduit (IMC) Expansion Fittings *(26 05 33 13-0672)*

26 05 33 13-0738	EA	1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	89.96	12.04
		For Work In Restricted Working Space, Add	*9.03*	
		For Installation Above 14', Add	*4.52*	
26 05 33 13-0739	EA	3/4" Intermediate Metal Conduit (IMC) Expansion Fitting	99.71	13.55
		For Work In Restricted Working Space, Add	*10.16*	
		For Installation Above 14', Add	*5.08*	
26 05 33 13-0740	EA	1" Intermediate Metal Conduit (IMC) Expansion Fitting	110.80	15.05
		For Work In Restricted Working Space, Add	*11.29*	
		For Installation Above 14', Add	*5.64*	
26 05 33 13-0741	EA	1-1/4" Intermediate Metal Conduit (IMC) Expansion Fitting	132.67	16.55
		For Work In Restricted Working Space, Add	*12.41*	
		For Installation Above 14', Add	*6.21*	
26 05 33 13-0742	EA	1-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	160.93	18.06
		For Work In Restricted Working Space, Add	*13.54*	
		For Installation Above 14', Add	*6.77*	
26 05 33 13-0743	EA	2" Intermediate Metal Conduit (IMC) Expansion Fitting	208.58	19.56
		For Work In Restricted Working Space, Add	*14.67*	
		For Installation Above 14', Add	*7.34*	
26 05 33 13-0744	EA	2-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	311.00	24.07
		For Work In Restricted Working Space, Add	*18.06*	
		For Installation Above 14', Add	*9.03*	
26 05 33 13-0745	EA	3" Intermediate Metal Conduit (IMC) Expansion Fitting	374.72	30.10
		For Work In Restricted Working Space, Add	*22.57*	
		For Installation Above 14', Add	*11.28*	
26 05 33 13-0746	EA	3-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	518.13	36.11
		For Work In Restricted Working Space, Add	*27.08*	
		For Installation Above 14', Add	*13.54*	
26 05 33 13-0747	EA	4" Intermediate Metal Conduit (IMC) Expansion Fitting	597.32	39.12
		For Work In Restricted Working Space, Add	*29.34*	
		For Installation Above 14', Add	*14.67*	

26 05 33 13-0748 Intermediate Metal Conduit (IMC) Sealing Fittings, Vertical/Horizontal *(26 05 33 13-0672)*

26 05 33 13-0749	EA	1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	60.65	18.81
		For Work In Restricted Working Space, Add	*11.29*	
		For Installation Above 14', Add	*5.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.29*	
26 05 33 13-0750	EA	3/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	72.19	22.57
		For Work In Restricted Working Space, Add	*13.54*	
		For Installation Above 14', Add	*6.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.54*	
26 05 33 13-0751	EA	1" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	87.44	26.33
		For Work In Restricted Working Space, Add	*15.80*	
		For Installation Above 14', Add	*7.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.80*	
26 05 33 13-0752	EA	1-1/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	102.41	30.10
		For Work In Restricted Working Space, Add	*18.06*	
		For Installation Above 14', Add	*9.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.06*	
26 05 33 13-0753	EA	1-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	131.28	33.86
		For Work In Restricted Working Space, Add	*20.31*	
		For Installation Above 14', Add	*10.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.31*	
26 05 33 13-0754	EA	2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	157.59	37.62
		For Work In Restricted Working Space, Add	*22.57*	
		For Installation Above 14', Add	*11.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.57*	
26 05 33 13-0755	EA	2-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	218.24	45.14
		For Work In Restricted Working Space, Add	*27.08*	
		For Installation Above 14', Add	*13.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.08*	
26 05 33 13-0756	EA	3" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	261.62	52.67
		For Work In Restricted Working Space, Add	*31.60*	
		For Installation Above 14', Add	*15.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.60*	
26 05 33 13-0757	EA	3-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	571.16	60.19
		For Work In Restricted Working Space, Add	*36.11*	
		For Installation Above 14', Add	*18.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0758	EA	4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	657.14	67.71
		For Work In Restricted Working Space, Add	*40.63*	
		For Installation Above 14', Add	*20.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.63*	

26 05 33 13-0759 Intermediate Metal Conduit (IMC) Threaded Couplings *(26 05 33 13-0672)*

26 05 33 13-0760	EA	1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	9.81	3.61
		For Work In Restricted Working Space, Add	*2.71*	
		For Installation Above 14', Add	*1.35*	
26 05 33 13-0761	EA	3/4" Intermediate Metal Conduit (IMC) Threaded Coupling	13.74	5.11
		For Work In Restricted Working Space, Add	*3.84*	
		For Installation Above 14', Add	*1.92*	
26 05 33 13-0762	EA	1" Intermediate Metal Conduit (IMC) Threaded Coupling	17.96	6.62
		For Work In Restricted Working Space, Add	*4.96*	
		For Installation Above 14', Add	*2.48*	
26 05 33 13-0763	EA	1-1/4" Intermediate Metal Conduit (IMC) Threaded Coupling	20.59	7.52
		For Work In Restricted Working Space, Add	*5.64*	
		For Installation Above 14', Add	*2.82*	
26 05 33 13-0764	EA	1-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	24.80	9.02
		For Work In Restricted Working Space, Add	*6.77*	
		For Installation Above 14', Add	*3.38*	
26 05 33 13-0765	EA	2" Intermediate Metal Conduit (IMC) Threaded Coupling	28.55	10.24
		For Work In Restricted Working Space, Add	*7.68*	
		For Installation Above 14', Add	*3.84*	
26 05 33 13-0766	EA	2-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	35.13	11.44
		For Work In Restricted Working Space, Add	*8.57*	
		For Installation Above 14', Add	*4.29*	
26 05 33 13-0767	EA	3" Intermediate Metal Conduit (IMC) Threaded Coupling	41.29	12.94
		For Work In Restricted Working Space, Add	*9.71*	
		For Installation Above 14', Add	*4.85*	
26 05 33 13-0768	EA	3-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	47.32	14.15
		For Work In Restricted Working Space, Add	*10.61*	
		For Installation Above 14', Add	*5.31*	
26 05 33 13-0769	EA	4" Intermediate Metal Conduit (IMC) Threaded Coupling	49.66	15.05
		For Work In Restricted Working Space, Add	*11.28*	
		For Installation Above 14', Add	*5.64*	

26 05 33 13-0770 Intermediate Metal Conduit (IMC) Reducer Bushings *(26 05 33 13-0672)*

26 05 33 13-0771	EA	1/2" To 3/4" Intermediate Metal Conduit (IMC) Reducing Bushing	4.64	1.50
		For Work In Restricted Working Space, Add	*1.13*	
		For Installation Above 14', Add	*0.56*	
26 05 33 13-0772	EA	3/4" To 1" Intermediate Metal Conduit (IMC) Reducing Bushing	5.14	1.50
		For Work In Restricted Working Space, Add	*1.13*	
		For Installation Above 14', Add	*0.56*	

26 05 33 13-0773 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit *(26 05 33 13-0041)*

Note: 40 mil polyvinyl chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney). Used in hazardous locations. Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-0774 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit *(26 05 33 13-0773)*

Note: Includes field bending for conduit up to 1".

26 05 33 13-0775	LF	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	9.54	2.11
		For >250 To 500, Deduct	*-0.35*	
		For >500 To 1,000, Deduct	*-0.58*	
		For >1,000, Deduct	*-0.82*	
		For Installation Above 14', Add	*0.79*	
		For Work In Restricted Working Space, Add	*1.58*	
26 05 33 13-0776	LF	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	10.98	2.41
		For >250 To 500, Deduct	*-0.40*	
		For >500 To 1,000, Deduct	*-0.67*	
		For >1,000, Deduct	*-0.95*	
		For Installation Above 14', Add	*0.90*	
		For Work In Restricted Working Space, Add	*1.81*	
26 05 33 13-0777	LF	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	13.94	3.01
		For >250 To 500, Deduct	*-0.51*	
		For >500 To 1,000, Deduct	*-0.86*	
		For >1,000, Deduct	*-1.21*	
		For Installation Above 14', Add	*1.13*	
		For Work In Restricted Working Space, Add	*2.26*	
26 05 33 13-0778	LF	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	17.16	3.61
		For >250 To 500, Deduct	*-0.63*	
		For >500 To 1,000, Deduct	*-1.06*	
		For >1,000, Deduct	*-1.49*	
		For Installation Above 14', Add	*1.35*	
		For Work In Restricted Working Space, Add	*2.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0779	LF	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	21.19	4.51
		For >250 To 500, Deduct	*-0.78*	
		For >500 To 1,000, Deduct	*-1.31*	
		For >1,000, Deduct	*-1.84*	
		For Installation Above 14', Add	*1.69*	
		For Work In Restricted Working Space, Add	*3.39*	
26 05 33 13-0780	LF	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	26.45	5.41
		For >250 To 500, Deduct	*-0.98*	
		For >500 To 1,000, Deduct	*-1.65*	
		For >1,000, Deduct	*-2.31*	
		For Installation Above 14', Add	*2.03*	
		For Work In Restricted Working Space, Add	*4.07*	
26 05 33 13-0781	LF	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	35.36	6.32
		For >250 To 500, Deduct	*-1.37*	
		For >500 To 1,000, Deduct	*-2.26*	
		For >1,000, Deduct	*-3.14*	
		For Installation Above 14', Add	*2.37*	
		For Work In Restricted Working Space, Add	*4.74*	
26 05 33 13-0782	LF	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	44.22	7.82
		For >250 To 500, Deduct	*-1.72*	
		For >500 To 1,000, Deduct	*-2.83*	
		For >1,000, Deduct	*-3.93*	
		For Installation Above 14', Add	*2.93*	
		For Work In Restricted Working Space, Add	*5.87*	
26 05 33 13-0783	LF	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	54.24	9.62
		For >250 To 500, Deduct	*-2.11*	
		For >500 To 1,000, Deduct	*-3.47*	
		For >1,000, Deduct	*-4.82*	
		For Installation Above 14', Add	*3.61*	
		For Work In Restricted Working Space, Add	*7.22*	
26 05 33 13-0784	LF	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	64.14	11.44
		For >250 To 500, Deduct	*-2.49*	
		For >500 To 1,000, Deduct	*-4.10*	
		For >1,000, Deduct	*-5.70*	
		For Installation Above 14', Add	*4.29*	
		For Work In Restricted Working Space, Add	*8.57*	
26 05 33 13-0785	LF	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	96.88	13.55
		For >250 To 500, Deduct	*-4.00*	
		For >500 To 1,000, Deduct	*-6.42*	
		For >1,000, Deduct	*-8.84*	
		For Installation Above 14', Add	*5.08*	
		For Work In Restricted Working Space, Add	*10.16*	
26 05 33 13-0786	LF	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	131.51	18.06
		For >250 To 500, Deduct	*-5.45*	
		For >500 To 1,000, Deduct	*-8.73*	
		For >1,000, Deduct	*-12.02*	
		For Installation Above 14', Add	*6.77*	
		For Work In Restricted Working Space, Add	*13.54*	

26 05 33 13-0787 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings *(26 05 33 13-0773)*

26 05 33 13-0788	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	10.39	2.94
		For Installation Above 14', Add	*0.88*	
		For Work In Restricted Working Space, Add	*1.76*	
26 05 33 13-0789	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	12.56	3.91
		For Installation Above 14', Add	*1.17*	
		For Work In Restricted Working Space, Add	*2.35*	
26 05 33 13-0790	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	15.94	4.89
		For Installation Above 14', Add	*1.47*	
		For Work In Restricted Working Space, Add	*2.94*	
26 05 33 13-0791	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	17.93	5.38
		For Installation Above 14', Add	*1.61*	
		For Work In Restricted Working Space, Add	*3.23*	
26 05 33 13-0792	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	21.24	6.36
		For Installation Above 14', Add	*1.91*	
		For Work In Restricted Working Space, Add	*3.81*	
26 05 33 13-0793	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	27.15	7.34
		For Installation Above 14', Add	*2.20*	
		For Work In Restricted Working Space, Add	*4.40*	
26 05 33 13-0794	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	48.49	8.80
		For Installation Above 14', Add	*2.64*	
		For Work In Restricted Working Space, Add	*5.28*	
26 05 33 13-0795	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	61.95	12.22
		For Installation Above 14', Add	*3.67*	
		For Work In Restricted Working Space, Add	*7.34*	
26 05 33 13-0796	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	76.47	14.18
		For Installation Above 14', Add	*4.25*	
		For Work In Restricted Working Space, Add	*8.51*	
26 05 33 13-0797	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	95.37	19.56
		For Installation Above 14', Add	*5.87*	
		For Work In Restricted Working Space, Add	*11.74*	
26 05 33 13-0798	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	237.11	26.90
		For Installation Above 14', Add	*8.07*	
		For Work In Restricted Working Space, Add	*16.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0799	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	235.09	15.16
		For Installation Above 14', Add	*4.55*	
		For Work In Restricted Working Space, Add	*9.10*	

26 05 33 13-0800 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows *(26 05 33 13-0773)*

Note: 90, 45, or 30 degree.

26 05 33 13-0801	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	40.29	12.22
		For Installation Above 14', Add	*3.67*	
		For Work In Restricted Working Space, Add	*7.34*	
26 05 33 13-0802	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	46.77	15.16
		For Installation Above 14', Add	*4.55*	
		For Work In Restricted Working Space, Add	*9.10*	
26 05 33 13-0803	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	56.03	18.58
		For Installation Above 14', Add	*5.58*	
		For Work In Restricted Working Space, Add	*11.15*	
26 05 33 13-0804	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	66.21	21.52
		For Installation Above 14', Add	*6.45*	
		For Work In Restricted Working Space, Add	*12.91*	
26 05 33 13-0805	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	77.38	24.45
		For Installation Above 14', Add	*7.34*	
		For Work In Restricted Working Space, Add	*14.67*	
26 05 33 13-0806	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	93.54	26.90
		For Installation Above 14', Add	*8.07*	
		For Work In Restricted Working Space, Add	*16.14*	
26 05 33 13-0807	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	142.38	33.74
		For Installation Above 14', Add	*10.12*	
		For Work In Restricted Working Space, Add	*20.24*	
26 05 33 13-0808	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	211.62	45.97
		For Installation Above 14', Add	*13.79*	
		For Work In Restricted Working Space, Add	*27.58*	
26 05 33 13-0809	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	260.71	51.83
		For Installation Above 14', Add	*15.55*	
		For Work In Restricted Working Space, Add	*31.10*	
26 05 33 13-0810	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	300.97	67.48
		For Installation Above 14', Add	*20.25*	
		For Work In Restricted Working Space, Add	*40.49*	
26 05 33 13-0811	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	620.10	110.02
		For Installation Above 14', Add	*33.01*	
		For Work In Restricted Working Space, Add	*66.02*	
26 05 33 13-0812	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	973.60	165.29
		For Installation Above 14', Add	*49.59*	
		For Work In Restricted Working Space, Add	*99.17*	

26 05 33 13-0813 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows *(26 05 33 13-0773)*

26 05 33 13-0814	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	93.37	18.58
		For Installation Above 14', Add	*5.58*	
		For Work In Restricted Working Space, Add	*11.15*	
26 05 33 13-0815	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	105.19	21.52
		For Installation Above 14', Add	*6.45*	
		For Work In Restricted Working Space, Add	*12.91*	
26 05 33 13-0816	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	120.06	24.45
		For Installation Above 14', Add	*7.34*	
		For Work In Restricted Working Space, Add	*14.67*	
26 05 33 13-0817	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	142.79	26.90
		For Installation Above 14', Add	*8.07*	
		For Work In Restricted Working Space, Add	*16.14*	
26 05 33 13-0818	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	198.12	33.74
		For Installation Above 14', Add	*10.12*	
		For Work In Restricted Working Space, Add	*20.24*	

26 05 33 13-0819 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows *(26 05 33 13-0773)*

26 05 33 13-0820	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	103.47	18.58
		For Installation Above 14', Add	*5.58*	
		For Work In Restricted Working Space, Add	*11.15*	
26 05 33 13-0821	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	121.88	21.52
		For Installation Above 14', Add	*6.45*	
		For Work In Restricted Working Space, Add	*12.91*	
26 05 33 13-0822	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	132.03	24.45
		For Installation Above 14', Add	*7.34*	
		For Work In Restricted Working Space, Add	*14.67*	
26 05 33 13-0823	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	168.88	26.90
		For Installation Above 14', Add	*8.07*	
		For Work In Restricted Working Space, Add	*16.14*	
26 05 33 13-0824	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	223.27	33.74
		For Installation Above 14', Add	*10.12*	
		For Work In Restricted Working Space, Add	*20.24*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0825		EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	286.22	45.97
			For Installation Above 14', Add	*13.79*	
			For Work In Restricted Working Space, Add	*27.58*	

26 05 33 13-0826 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows *(26 05 33 13-0773)*

26 05 33 13-0827		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	115.54	18.58
			For Installation Above 14', Add	*5.58*	
			For Work In Restricted Working Space, Add	*11.15*	
26 05 33 13-0828		EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	130.57	21.52
			For Installation Above 14', Add	*6.45*	
			For Work In Restricted Working Space, Add	*12.91*	
26 05 33 13-0829		EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	147.38	24.45
			For Installation Above 14', Add	*7.34*	
			For Work In Restricted Working Space, Add	*14.67*	
26 05 33 13-0830		EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	177.53	26.90
			For Installation Above 14', Add	*8.07*	
			For Work In Restricted Working Space, Add	*16.14*	
26 05 33 13-0831		EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	252.18	33.74
			For Installation Above 14', Add	*10.12*	
			For Work In Restricted Working Space, Add	*20.24*	
26 05 33 13-0832		EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	320.16	45.97
			For Installation Above 14', Add	*13.79*	
			For Work In Restricted Working Space, Add	*27.58*	
26 05 33 13-0833		EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	402.83	51.83
			For Installation Above 14', Add	*15.55*	
			For Work In Restricted Working Space, Add	*31.10*	
26 05 33 13-0834		EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	455.81	67.48
			For Installation Above 14', Add	*20.25*	
			For Work In Restricted Working Space, Add	*40.49*	

26 05 33 13-0835 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows *(26 05 33 13-0773)*

26 05 33 13-0836		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	136.40	18.58
			For Installation Above 14', Add	*5.58*	
			For Work In Restricted Working Space, Add	*11.15*	
26 05 33 13-0837		EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	150.97	21.52
			For Installation Above 14', Add	*6.45*	
			For Work In Restricted Working Space, Add	*12.91*	
26 05 33 13-0838		EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	170.54	24.45
			For Installation Above 14', Add	*7.34*	
			For Work In Restricted Working Space, Add	*14.67*	
26 05 33 13-0839		EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	210.88	26.90
			For Installation Above 14', Add	*8.07*	
			For Work In Restricted Working Space, Add	*16.14*	
26 05 33 13-0840		EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	303.91	33.74
			For Installation Above 14', Add	*10.12*	
			For Work In Restricted Working Space, Add	*20.24*	
26 05 33 13-0841		EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	377.66	45.97
			For Installation Above 14', Add	*13.79*	
			For Work In Restricted Working Space, Add	*27.58*	
26 05 33 13-0842		EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	437.94	51.83
			For Installation Above 14', Add	*15.55*	
			For Work In Restricted Working Space, Add	*31.10*	
26 05 33 13-0843		EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	520.26	67.48
			For Installation Above 14', Add	*20.25*	
			For Work In Restricted Working Space, Add	*40.49*	

26 05 33 13-0844 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows *(26 05 33 13-0773)*

26 05 33 13-0845		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	152.62	18.58
			For Installation Above 14', Add	*5.58*	
			For Work In Restricted Working Space, Add	*11.15*	
26 05 33 13-0846		EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	169.95	21.52
			For Installation Above 14', Add	*6.45*	
			For Work In Restricted Working Space, Add	*12.91*	
26 05 33 13-0847		EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	193.33	24.45
			For Installation Above 14', Add	*7.34*	
			For Work In Restricted Working Space, Add	*14.67*	
26 05 33 13-0848		EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	239.91	26.90
			For Installation Above 14', Add	*8.07*	
			For Work In Restricted Working Space, Add	*16.14*	
26 05 33 13-0849		EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	332.14	33.74
			For Installation Above 14', Add	*10.12*	
			For Work In Restricted Working Space, Add	*20.24*	
26 05 33 13-0850		EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	423.65	45.97
			For Installation Above 14', Add	*13.79*	
			For Work In Restricted Working Space, Add	*27.58*	
26 05 33 13-0851		EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	523.30	51.83
			For Installation Above 14', Add	*15.55*	
			For Work In Restricted Working Space, Add	*31.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0852	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	579.43	67.48
		For Installation Above 14', Add	*20.25*	
		For Work In Restricted Working Space, Add	*40.49*	
26 05 33 13-0853	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	965.49	110.02
		For Installation Above 14', Add	*33.01*	
		For Work In Restricted Working Space, Add	*66.02*	

26 05 33 13-0854 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows *(26 05 33 13-0773)*

26 05 33 13-0855	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	173.85	18.58
		For Installation Above 14', Add	*5.58*	
		For Work In Restricted Working Space, Add	*11.15*	
26 05 33 13-0856	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	192.90	21.52
		For Installation Above 14', Add	*6.45*	
		For Work In Restricted Working Space, Add	*12.91*	
26 05 33 13-0857	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	218.32	24.45
		For Installation Above 14', Add	*7.34*	
		For Work In Restricted Working Space, Add	*14.67*	
26 05 33 13-0858	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	272.11	26.90
		For Installation Above 14', Add	*8.07*	
		For Work In Restricted Working Space, Add	*16.14*	
26 05 33 13-0859	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	379.18	33.74
		For Installation Above 14', Add	*10.12*	
		For Work In Restricted Working Space, Add	*20.24*	
26 05 33 13-0860	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	482.24	45.97
		For Installation Above 14', Add	*13.79*	
		For Work In Restricted Working Space, Add	*27.58*	
26 05 33 13-0861	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	566.07	51.83
		For Installation Above 14', Add	*15.55*	
		For Work In Restricted Working Space, Add	*31.10*	
26 05 33 13-0862	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	655.80	67.48
		For Installation Above 14', Add	*20.25*	
		For Work In Restricted Working Space, Add	*40.49*	
26 05 33 13-0863	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	1,019.02	110.02
		For Installation Above 14', Add	*33.01*	
		For Work In Restricted Working Space, Add	*66.02*	
26 05 33 13-0864	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	1,396.56	165.29
		For Installation Above 14', Add	*49.59*	
		For Work In Restricted Working Space, Add	*99.17*	

26 05 33 13-0865 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows *(26 05 33 13-0773)*

26 05 33 13-0866	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	203.39	18.58
		For Installation Above 14', Add	*5.58*	
		For Work In Restricted Working Space, Add	*11.15*	
26 05 33 13-0867	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	213.35	21.52
		For Installation Above 14', Add	*6.45*	
		For Work In Restricted Working Space, Add	*12.91*	
26 05 33 13-0868	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	251.77	24.45
		For Installation Above 14', Add	*7.34*	
		For Work In Restricted Working Space, Add	*14.67*	
26 05 33 13-0869	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	316.93	26.90
		For Installation Above 14', Add	*8.07*	
		For Work In Restricted Working Space, Add	*16.14*	
26 05 33 13-0870	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	442.60	33.74
		For Installation Above 14', Add	*10.12*	
		For Work In Restricted Working Space, Add	*20.24*	
26 05 33 13-0871	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	561.24	45.97
		For Installation Above 14', Add	*13.79*	
		For Work In Restricted Working Space, Add	*27.58*	
26 05 33 13-0872	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	684.98	51.83
		For Installation Above 14', Add	*15.55*	
		For Work In Restricted Working Space, Add	*31.10*	
26 05 33 13-0873	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	804.39	67.48
		For Installation Above 14', Add	*20.25*	
		For Work In Restricted Working Space, Add	*40.49*	
26 05 33 13-0874	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	1,193.62	110.02
		For Installation Above 14', Add	*33.01*	
		For Work In Restricted Working Space, Add	*66.02*	
26 05 33 13-0875	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	1,476.71	165.29
		For Installation Above 14', Add	*49.59*	
		For Work In Restricted Working Space, Add	*99.17*	

26 05 33 13-0876 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows *(26 05 33 13-0773)*

26 05 33 13-0877	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	210.51	18.58
		For Installation Above 14', Add	*5.58*	
		For Work In Restricted Working Space, Add	*11.15*	
26 05 33 13-0878	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	247.94	21.52
		For Installation Above 14', Add	*6.45*	
		For Work In Restricted Working Space, Add	*12.91*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0879	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	280.70	24.45
		For Installation Above 14', Add	*7.34*	
		For Work In Restricted Working Space, Add	*14.67*	
26 05 33 13-0880	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	330.42	26.90
		For Installation Above 14', Add	*8.07*	
		For Work In Restricted Working Space, Add	*16.14*	
26 05 33 13-0881	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	458.44	33.74
		For Installation Above 14', Add	*10.12*	
		For Work In Restricted Working Space, Add	*20.24*	
26 05 33 13-0882	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	585.53	45.97
		For Installation Above 14', Add	*13.79*	
		For Work In Restricted Working Space, Add	*27.58*	
26 05 33 13-0883	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	749.74	51.83
		For Installation Above 14', Add	*15.55*	
		For Work In Restricted Working Space, Add	*31.10*	
26 05 33 13-0884	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	838.09	67.48
		For Installation Above 14', Add	*20.25*	
		For Work In Restricted Working Space, Add	*40.49*	
26 05 33 13-0885	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	1,240.52	110.02
		For Installation Above 14', Add	*33.01*	
		For Work In Restricted Working Space, Add	*66.02*	
26 05 33 13-0886	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	1,517.43	165.29
		For Installation Above 14', Add	*49.59*	
		For Work In Restricted Working Space, Add	*99.17*	

26 05 33 13-0887 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fittings *(26 05 33 13-0773)*

26 05 33 13-0888	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	77.72	12.22
		For Installation Above 14', Add	*3.67*	
		For Work In Restricted Working Space, Add	*7.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.34*	
26 05 33 13-0889	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	95.09	16.14
		For Installation Above 14', Add	*4.84*	
		For Work In Restricted Working Space, Add	*9.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.68*	
26 05 33 13-0890	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	126.88	18.58
		For Installation Above 14', Add	*5.58*	
		For Work In Restricted Working Space, Add	*11.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.15*	
26 05 33 13-0891	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	208.68	21.52
		For Installation Above 14', Add	*6.45*	
		For Work In Restricted Working Space, Add	*12.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.91*	
26 05 33 13-0892	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	230.40	24.45
		For Installation Above 14', Add	*7.34*	
		For Work In Restricted Working Space, Add	*14.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.67*	
26 05 33 13-0893	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	291.25	26.90
		For Installation Above 14', Add	*8.07*	
		For Work In Restricted Working Space, Add	*16.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.14*	
26 05 33 13-0894	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	794.87	33.74
		For Installation Above 14', Add	*10.12*	
		For Work In Restricted Working Space, Add	*20.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.24*	
26 05 33 13-0895	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	948.54	45.97
		For Installation Above 14', Add	*13.79*	
		For Work In Restricted Working Space, Add	*27.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.59*	
26 05 33 13-0896	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	1,260.08	67.48
		For Installation Above 14', Add	*20.24*	
		For Work In Restricted Working Space, Add	*40.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.49*	

26 05 33 13-0897 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fittings *(26 05 33 13-0773)*

26 05 33 13-0898	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	74.48	12.22
		For Installation Above 14', Add	*3.67*	
		For Work In Restricted Working Space, Add	*7.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.34*	
26 05 33 13-0899	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	91.43	16.14
		For Installation Above 14', Add	*4.84*	
		For Work In Restricted Working Space, Add	*9.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.68*	
26 05 33 13-0900	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	126.88	18.58
		For Installation Above 14', Add	*5.58*	
		For Work In Restricted Working Space, Add	*11.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0901	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	206.80	21.52
		For Installation Above 14', Add	*6.45*	
		For Work In Restricted Working Space, Add	*12.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.91*	
26 05 33 13-0902	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	222.80	24.45
		For Installation Above 14', Add	*7.34*	
		For Work In Restricted Working Space, Add	*14.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.67*	
26 05 33 13-0903	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	291.34	26.90
		For Installation Above 14', Add	*8.07*	
		For Work In Restricted Working Space, Add	*16.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.14*	
26 05 33 13-0904	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	762.47	33.74
		For Installation Above 14', Add	*10.12*	
		For Work In Restricted Working Space, Add	*20.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.24*	
26 05 33 13-0905	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	924.90	45.97
		For Installation Above 14', Add	*13.79*	
		For Work In Restricted Working Space, Add	*27.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.59*	
26 05 33 13-0906	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	1,260.03	67.48
		For Installation Above 14', Add	*20.24*	
		For Work In Restricted Working Space, Add	*40.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.49*	

26 05 33 13-0907 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fittings *(26 05 33 13-0773)*

26 05 33 13-0908	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	67.31	12.22
		For Installation Above 14', Add	*3.67*	
		For Work In Restricted Working Space, Add	*7.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.34*	
26 05 33 13-0909	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	80.55	16.14
		For Installation Above 14', Add	*4.84*	
		For Work In Restricted Working Space, Add	*9.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.68*	
26 05 33 13-0910	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	95.07	18.58
		For Installation Above 14', Add	*5.58*	
		For Work In Restricted Working Space, Add	*11.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.15*	
26 05 33 13-0911	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	135.21	21.52
		For Installation Above 14', Add	*6.45*	
		For Work In Restricted Working Space, Add	*12.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.91*	
26 05 33 13-0912	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	157.97	24.45
		For Installation Above 14', Add	*7.34*	
		For Work In Restricted Working Space, Add	*14.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.67*	
26 05 33 13-0913	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	244.49	26.90
		For Installation Above 14', Add	*8.07*	
		For Work In Restricted Working Space, Add	*16.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.14*	
26 05 33 13-0914	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	672.25	33.74
		For Installation Above 14', Add	*10.12*	
		For Work In Restricted Working Space, Add	*20.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.24*	
26 05 33 13-0915	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	756.37	45.97
		For Installation Above 14', Add	*13.79*	
		For Work In Restricted Working Space, Add	*27.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.59*	
26 05 33 13-0916	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	965.57	67.48
		For Installation Above 14', Add	*20.24*	
		For Work In Restricted Working Space, Add	*40.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.49*	

26 05 33 13-0917 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fittings *(26 05 33 13-0773)*

26 05 33 13-0918	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	115.28	12.22
		For Installation Above 14', Add	*3.67*	
		For Work In Restricted Working Space, Add	*7.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.34*	
26 05 33 13-0919	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	173.83	16.14
		For Installation Above 14', Add	*4.84*	
		For Work In Restricted Working Space, Add	*9.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.68*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0920	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	218.61	18.58
		For Installation Above 14', Add	*5.58*	
		For Work In Restricted Working Space, Add	*11.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.15*	
26 05 33 13-0921	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	252.33	21.52
		For Installation Above 14', Add	*6.45*	
		For Work In Restricted Working Space, Add	*12.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.91*	
26 05 33 13-0922	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	286.58	24.45
		For Installation Above 14', Add	*7.34*	
		For Work In Restricted Working Space, Add	*14.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.67*	
26 05 33 13-0923	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	377.34	26.90
		For Installation Above 14', Add	*8.07*	
		For Work In Restricted Working Space, Add	*16.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.14*	
26 05 33 13-0924	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	1,189.26	33.74
		For Installation Above 14', Add	*10.12*	
		For Work In Restricted Working Space, Add	*20.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.24*	
26 05 33 13-0925	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	1,388.38	45.97
		For Installation Above 14', Add	*13.79*	
		For Work In Restricted Working Space, Add	*27.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.59*	
26 05 33 13-0926	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	1,706.63	67.48
		For Installation Above 14', Add	*20.24*	
		For Work In Restricted Working Space, Add	*40.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.49*	

26 05 33 13-0927 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fittings *(26 05 33 13-0773)*

26 05 33 13-0928	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	128.01	12.22
		For Installation Above 14', Add	*3.67*	
		For Work In Restricted Working Space, Add	*7.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.34*	
26 05 33 13-0929	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	185.85	16.14
		For Installation Above 14', Add	*4.84*	
		For Work In Restricted Working Space, Add	*9.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.68*	
26 05 33 13-0930	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	220.90	18.58
		For Installation Above 14', Add	*5.58*	
		For Work In Restricted Working Space, Add	*11.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.15*	
26 05 33 13-0931	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	256.10	21.52
		For Installation Above 14', Add	*6.45*	
		For Work In Restricted Working Space, Add	*12.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.91*	
26 05 33 13-0932	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	296.91	24.45
		For Installation Above 14', Add	*7.34*	
		For Work In Restricted Working Space, Add	*14.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.67*	
26 05 33 13-0933	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	468.19	26.90
		For Installation Above 14', Add	*8.07*	
		For Work In Restricted Working Space, Add	*16.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.14*	
26 05 33 13-0934	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	1,326.33	33.74
		For Installation Above 14', Add	*10.12*	
		For Work In Restricted Working Space, Add	*20.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.24*	
26 05 33 13-0935	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	1,866.95	45.97
		For Installation Above 14', Add	*13.79*	
		For Work In Restricted Working Space, Add	*27.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.59*	
26 05 33 13-0936	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	1,948.89	67.48
		For Installation Above 14', Add	*20.24*	
		For Work In Restricted Working Space, Add	*40.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0937		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fittings *(26 05 33 13-0773)*		
26 05 33 13-0938	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	101.25	12.22
		For Installation Above 14', Add	*3.67*	
		For Work In Restricted Working Space, Add	*7.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.34*	
26 05 33 13-0939	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	127.73	16.14
		For Installation Above 14', Add	*4.84*	
		For Work In Restricted Working Space, Add	*9.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.68*	
26 05 33 13-0940	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	153.06	18.58
		For Installation Above 14', Add	*5.58*	
		For Work In Restricted Working Space, Add	*11.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.15*	
26 05 33 13-0941	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	169.57	21.52
		For Installation Above 14', Add	*6.45*	
		For Work In Restricted Working Space, Add	*12.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.91*	
26 05 33 13-0942	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	228.49	24.45
		For Installation Above 14', Add	*7.34*	
		For Work In Restricted Working Space, Add	*14.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.67*	
26 05 33 13-0943	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	323.19	26.90
		For Installation Above 14', Add	*8.07*	
		For Work In Restricted Working Space, Add	*16.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.14*	
26 05 33 13-0944	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	1,075.72	33.74
		For Installation Above 14', Add	*10.12*	
		For Work In Restricted Working Space, Add	*20.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.24*	
26 05 33 13-0945	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	1,210.85	45.97
		For Installation Above 14', Add	*13.79*	
		For Work In Restricted Working Space, Add	*27.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.59*	
26 05 33 13-0946	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	1,438.58	67.48
		For Installation Above 14', Add	*20.24*	
		For Work In Restricted Working Space, Add	*40.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.49*	
26 05 33 13-0947		Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover *(26 05 33 13-0773)*		
		Note: Suitable for use in hazardous locations. Class I, Div 2.		
26 05 33 13-0948	EA	1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	91.31	23.47
		For Installation Above 14', Add	*7.04*	
		For Work In Restricted Working Space, Add	*14.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.09*	
26 05 33 13-0949	EA	3/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	102.98	26.90
		For Installation Above 14', Add	*8.07*	
		For Work In Restricted Working Space, Add	*16.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.14*	
26 05 33 13-0950	EA	1" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	127.44	30.81
		For Installation Above 14', Add	*9.24*	
		For Work In Restricted Working Space, Add	*18.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.49*	
26 05 33 13-0951	EA	1-1/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	166.94	35.70
		For Installation Above 14', Add	*10.71*	
		For Work In Restricted Working Space, Add	*21.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.42*	
26 05 33 13-0952	EA	1-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	194.92	39.12
		For Installation Above 14', Add	*11.74*	
		For Work In Restricted Working Space, Add	*23.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.47*	
26 05 33 13-0953	EA	2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	265.91	46.94
		For Installation Above 14', Add	*14.08*	
		For Work In Restricted Working Space, Add	*28.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.17*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0954		EA	2-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	447.72	66.02
			For Installation Above 14', Add	*19.81*	
			For Work In Restricted Working Space, Add	*39.61*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.61*	
26 05 33 13-0955		EA	3" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	573.17	88.02
			For Installation Above 14', Add	*26.41*	
			For Work In Restricted Working Space, Add	*52.82*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.82*	
26 05 33 13-0956		EA	3-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	797.02	110.02
			For Installation Above 14', Add	*33.01*	
			For Work In Restricted Working Space, Add	*66.02*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*66.02*	
26 05 33 13-0957		EA	4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	914.71	133.99
			For Installation Above 14', Add	*40.20*	
			For Work In Restricted Working Space, Add	*80.39*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.39*	

26 05 33 13-0958 Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover *(26 05 33 13-0773)*

Note: Suitable for use in hazardous locations. Class I, Div 2.

26 05 33 13-0959		EA	1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	119.29	30.81
			For Installation Above 14', Add	*9.24*	
			For Work In Restricted Working Space, Add	*18.48*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.48*	
26 05 33 13-0960		EA	3/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	136.00	34.23
			For Installation Above 14', Add	*10.27*	
			For Work In Restricted Working Space, Add	*20.54*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.54*	
26 05 33 13-0961		EA	1" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	166.28	37.66
			For Installation Above 14', Add	*11.30*	
			For Work In Restricted Working Space, Add	*22.59*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.59*	
26 05 33 13-0962		EA	1-1/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	223.91	43.03
			For Installation Above 14', Add	*12.91*	
			For Work In Restricted Working Space, Add	*25.82*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.82*	
26 05 33 13-0963		EA	1-1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	264.76	46.94
			For Installation Above 14', Add	*14.08*	
			For Work In Restricted Working Space, Add	*28.17*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.17*	
26 05 33 13-0964		EA	2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	360.84	57.70
			For Installation Above 14', Add	*17.31*	
			For Work In Restricted Working Space, Add	*34.62*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.62*	

26 05 33 13-0965 Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover *(26 05 33 13-0773)*

Note: Suitable for use in hazardous locations. Class I, Div 2.

26 05 33 13-0966		EA	1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	105.01	26.90
			For Installation Above 14', Add	*8.07*	
			For Work In Restricted Working Space, Add	*16.14*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.14*	
26 05 33 13-0967		EA	3/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	119.78	31.30
			For Installation Above 14', Add	*9.39*	
			For Work In Restricted Working Space, Add	*18.78*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.78*	
26 05 33 13-0968		EA	1" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	145.08	34.23
			For Installation Above 14', Add	*10.27*	
			For Work In Restricted Working Space, Add	*20.54*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.54*	
26 05 33 13-0969		EA	1-1/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	186.10	39.12
			For Installation Above 14', Add	*11.74*	
			For Work In Restricted Working Space, Add	*23.47*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.47*	
26 05 33 13-0970		EA	1-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	220.77	43.03
			For Installation Above 14', Add	*12.91*	
			For Work In Restricted Working Space, Add	*25.82*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.82*	
26 05 33 13-0971		EA	2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	296.34	50.37
			For Installation Above 14', Add	*15.11*	
			For Work In Restricted Working Space, Add	*30.22*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.22*	
26 05 33 13-0972		EA	2-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	477.12	73.35
			For Installation Above 14', Add	*22.01*	
			For Work In Restricted Working Space, Add	*44.01*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0973	EA	3" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	631.62	95.36
		For Installation Above 14', Add	*28.61*	
		For Work In Restricted Working Space, Add	*57.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*57.21*	
26 05 33 13-0974	EA	3-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	868.46	117.36
		For Installation Above 14', Add	*35.21*	
		For Work In Restricted Working Space, Add	*70.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.42*	
26 05 33 13-0975	EA	4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	970.17	141.33
		For Installation Above 14', Add	*42.40*	
		For Work In Restricted Working Space, Add	*84.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*84.80*	

26 05 33 13-0976 Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined *(26 05 33 13-0773)*

26 05 33 13-0977	EA	1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	17.48	2.94
		For Installation Above 14', Add	*0.88*	
		For Work In Restricted Working Space, Add	*1.76*	
26 05 33 13-0978	EA	3/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	19.67	3.42
		For Installation Above 14', Add	*1.03*	
		For Work In Restricted Working Space, Add	*2.06*	
26 05 33 13-0979	EA	1" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	25.62	4.40
		For Installation Above 14', Add	*1.32*	
		For Work In Restricted Working Space, Add	*2.64*	
26 05 33 13-0980	EA	1-1/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	32.82	5.38
		For Installation Above 14', Add	*1.61*	
		For Work In Restricted Working Space, Add	*3.23*	
26 05 33 13-0981	EA	1-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	36.90	6.36
		For Installation Above 14', Add	*1.91*	
		For Work In Restricted Working Space, Add	*3.81*	
26 05 33 13-0982	EA	2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	45.42	7.34
		For Installation Above 14', Add	*2.20*	
		For Work In Restricted Working Space, Add	*4.40*	
26 05 33 13-0983	EA	2-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	58.20	8.31
		For Installation Above 14', Add	*2.49*	
		For Work In Restricted Working Space, Add	*4.99*	
26 05 33 13-0984	EA	3" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	65.05	11.74
		For Installation Above 14', Add	*3.52*	
		For Work In Restricted Working Space, Add	*7.04*	
26 05 33 13-0985	EA	3-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	78.54	13.20
		For Installation Above 14', Add	*3.96*	
		For Work In Restricted Working Space, Add	*7.92*	
26 05 33 13-0986	EA	4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	85.39	16.62
		For Installation Above 14', Add	*4.99*	
		For Work In Restricted Working Space, Add	*9.98*	

26 05 33 13-0987 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Bodies *(26 05 33 13-0773)*

26 05 33 13-0988	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	103.23	23.47
		For Installation Above 14', Add	*7.04*	
		For Work In Restricted Working Space, Add	*14.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.08*	
26 05 33 13-0989	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	114.33	26.90
		For Installation Above 14', Add	*8.07*	
		For Work In Restricted Working Space, Add	*16.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.14*	
26 05 33 13-0990	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	133.53	30.81
		For Installation Above 14', Add	*9.24*	
		For Work In Restricted Working Space, Add	*18.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.49*	
26 05 33 13-0991	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	158.49	35.70
		For Installation Above 14', Add	*10.71*	
		For Work In Restricted Working Space, Add	*21.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.42*	
26 05 33 13-0992	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	197.30	39.12
		For Installation Above 14', Add	*11.74*	
		For Work In Restricted Working Space, Add	*23.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.47*	
26 05 33 13-0993	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	239.11	46.94
		For Installation Above 14', Add	*14.08*	
		For Work In Restricted Working Space, Add	*28.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.17*	
26 05 33 13-0994	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	346.27	66.02
		For Installation Above 14', Add	*19.80*	
		For Work In Restricted Working Space, Add	*39.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.61*	

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	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0995	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	444.00	88.02
	For Installation Above 14', Add	*26.41*	
	For Work In Restricted Working Space, Add	*52.82*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.82*	
26 05 33 13-0996	EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	888.49	110.02
	For Installation Above 14', Add	*33.01*	
	For Work In Restricted Working Space, Add	*66.02*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*66.02*	
26 05 33 13-0997	EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	1,301.23	133.99
	For Installation Above 14', Add	*40.20*	
	For Work In Restricted Working Space, Add	*80.39*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.39*	

26 05 33 13-0998 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Bodies *(26 05 33 13-0773)*

26 05 33 13-0999	EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	176.50	23.47
	For Installation Above 14', Add	*7.04*	
	For Work In Restricted Working Space, Add	*14.08*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.08*	
26 05 33 13-1000	EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	190.08	26.90
	For Installation Above 14', Add	*8.07*	
	For Work In Restricted Working Space, Add	*16.14*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.14*	
26 05 33 13-1001	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	217.06	30.81
	For Installation Above 14', Add	*9.24*	
	For Work In Restricted Working Space, Add	*18.49*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.49*	
26 05 33 13-1002	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	242.97	35.70
	For Installation Above 14', Add	*10.71*	
	For Work In Restricted Working Space, Add	*21.42*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.42*	
26 05 33 13-1003	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	294.55	39.12
	For Installation Above 14', Add	*11.74*	
	For Work In Restricted Working Space, Add	*23.47*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.47*	
26 05 33 13-1004	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	331.62	46.94
	For Installation Above 14', Add	*14.08*	
	For Work In Restricted Working Space, Add	*28.17*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.17*	
26 05 33 13-1005	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	466.56	66.02
	For Installation Above 14', Add	*19.80*	
	For Work In Restricted Working Space, Add	*39.61*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.61*	
26 05 33 13-1006	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	650.00	88.02
	For Installation Above 14', Add	*26.41*	
	For Work In Restricted Working Space, Add	*52.82*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.82*	
26 05 33 13-1007	EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	948.31	110.02
	For Installation Above 14', Add	*33.01*	
	For Work In Restricted Working Space, Add	*66.02*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*66.02*	
26 05 33 13-1008	EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	1,379.51	133.99
	For Installation Above 14', Add	*40.20*	
	For Work In Restricted Working Space, Add	*80.39*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.39*	

26 05 33 13-1009 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Bodies *(26 05 33 13-0773)*

26 05 33 13-1010	EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	141.23	23.47
	For Installation Above 14', Add	*7.04*	
	For Work In Restricted Working Space, Add	*14.08*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.08*	
26 05 33 13-1011	EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	150.58	26.90
	For Installation Above 14', Add	*8.07*	
	For Work In Restricted Working Space, Add	*16.14*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.14*	
26 05 33 13-1012	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	173.01	30.81
	For Installation Above 14', Add	*9.24*	
	For Work In Restricted Working Space, Add	*18.49*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.49*	
26 05 33 13-1013	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	193.01	35.70
	For Installation Above 14', Add	*10.71*	
	For Work In Restricted Working Space, Add	*21.42*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.42*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1014	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	265.46	39.12
		For Installation Above 14', Add	*11.74*	
		For Work In Restricted Working Space, Add	*23.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.47*	
26 05 33 13-1015	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	333.38	46.94
		For Installation Above 14', Add	*14.08*	
		For Work In Restricted Working Space, Add	*28.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.17*	
26 05 33 13-1016	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	517.71	66.02
		For Installation Above 14', Add	*19.80*	
		For Work In Restricted Working Space, Add	*39.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.61*	
26 05 33 13-1017	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	754.07	88.02
		For Installation Above 14', Add	*26.41*	
		For Work In Restricted Working Space, Add	*52.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.82*	
26 05 33 13-1018	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	948.31	110.02
		For Installation Above 14', Add	*33.01*	
		For Work In Restricted Working Space, Add	*66.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*66.02*	
26 05 33 13-1019		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Bodies *(26 05 33 13-0773)*		
26 05 33 13-1020	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	186.85	23.47
		For Installation Above 14', Add	*7.04*	
		For Work In Restricted Working Space, Add	*14.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.08*	
26 05 33 13-1021	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	207.35	26.90
		For Installation Above 14', Add	*8.07*	
		For Work In Restricted Working Space, Add	*16.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.14*	
26 05 33 13-1022	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	257.02	30.81
		For Installation Above 14', Add	*9.24*	
		For Work In Restricted Working Space, Add	*18.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.49*	
26 05 33 13-1023	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	316.86	35.70
		For Installation Above 14', Add	*10.71*	
		For Work In Restricted Working Space, Add	*21.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.42*	
26 05 33 13-1024	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	440.44	39.12
		For Installation Above 14', Add	*11.74*	
		For Work In Restricted Working Space, Add	*23.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.47*	
26 05 33 13-1025	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	527.86	46.94
		For Installation Above 14', Add	*14.08*	
		For Work In Restricted Working Space, Add	*28.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.17*	
26 05 33 13-1026		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Couplings *(26 05 33 13-0773)*		
26 05 33 13-1027	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	35.95	9.40
		For Installation Above 14', Add	*2.82*	
		For Work In Restricted Working Space, Add	*5.64*	
26 05 33 13-1028	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	47.69	11.29
		For Installation Above 14', Add	*3.39*	
		For Work In Restricted Working Space, Add	*6.77*	
26 05 33 13-1029	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	60.60	15.05
		For Installation Above 14', Add	*4.52*	
		For Work In Restricted Working Space, Add	*9.03*	
26 05 33 13-1030	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	83.39	18.81
		For Installation Above 14', Add	*5.64*	
		For Work In Restricted Working Space, Add	*11.29*	
26 05 33 13-1031	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	109.44	22.57
		For Installation Above 14', Add	*6.77*	
		For Work In Restricted Working Space, Add	*13.54*	
26 05 33 13-1032	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	188.63	26.33
		For Installation Above 14', Add	*7.90*	
		For Work In Restricted Working Space, Add	*15.80*	
26 05 33 13-1033	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	274.25	30.10
		For Installation Above 14', Add	*9.03*	
		For Work In Restricted Working Space, Add	*18.06*	
26 05 33 13-1034	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	342.21	33.86
		For Installation Above 14', Add	*10.16*	
		For Work In Restricted Working Space, Add	*20.31*	
26 05 33 13-1035	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	476.47	39.50
		For Installation Above 14', Add	*11.85*	
		For Work In Restricted Working Space, Add	*23.70*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1036		EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	578.57	45.14
			For Installation Above 14', Add	*13.54*	
			For Work In Restricted Working Space, Add	*27.08*	
26 05 33 13-1037		EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	926.02	71.47
			For Installation Above 14', Add	*21.44*	
			For Work In Restricted Working Space, Add	*42.88*	
26 05 33 13-1038		EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	1,265.65	109.09
			For Installation Above 14', Add	*32.73*	
			For Work In Restricted Working Space, Add	*65.45*	

26 05 33 13-1039 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbows *(26 05 33 13-0773)*

26 05 33 13-1040		EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	133.18	23.47
			For Installation Above 14', Add	*7.04*	
			For Work In Restricted Working Space, Add	*14.08*	
26 05 33 13-1041		EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	157.48	25.92
			For Installation Above 14', Add	*7.77*	
			For Work In Restricted Working Space, Add	*15.55*	
26 05 33 13-1042		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	173.74	30.81
			For Installation Above 14', Add	*9.24*	
			For Work In Restricted Working Space, Add	*18.49*	
26 05 33 13-1043		EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	249.81	35.70
			For Installation Above 14', Add	*10.71*	
			For Work In Restricted Working Space, Add	*21.42*	
26 05 33 13-1044		EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	329.66	39.12
			For Installation Above 14', Add	*11.74*	
			For Work In Restricted Working Space, Add	*23.47*	
26 05 33 13-1045		EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	355.75	46.94
			For Installation Above 14', Add	*14.08*	
			For Work In Restricted Working Space, Add	*28.17*	
26 05 33 13-1046		EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	841.03	65.04
			For Installation Above 14', Add	*19.51*	
			For Work In Restricted Working Space, Add	*39.02*	
26 05 33 13-1047		EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	887.17	88.02
			For Installation Above 14', Add	*26.41*	
			For Work In Restricted Working Space, Add	*52.82*	
26 05 33 13-1048		EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	1,451.83	110.02
			For Installation Above 14', Add	*33.01*	
			For Work In Restricted Working Space, Add	*66.02*	
26 05 33 13-1049		EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	1,511.71	133.99
			For Installation Above 14', Add	*40.20*	
			For Work In Restricted Working Space, Add	*80.40*	

26 05 33 13-1050 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbows *(26 05 33 13-0773)*

26 05 33 13-1051		EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	194.56	23.47
			For Installation Above 14', Add	*7.04*	
			For Work In Restricted Working Space, Add	*14.08*	
26 05 33 13-1052		EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	221.64	26.90
			For Installation Above 14', Add	*8.07*	
			For Work In Restricted Working Space, Add	*16.14*	
26 05 33 13-1053		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	437.78	30.81
			For Installation Above 14', Add	*9.24*	
			For Work In Restricted Working Space, Add	*18.49*	
26 05 33 13-1054		EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	459.17	35.70
			For Installation Above 14', Add	*10.71*	
			For Work In Restricted Working Space, Add	*21.42*	
26 05 33 13-1055		EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	627.89	39.12
			For Installation Above 14', Add	*11.74*	
			For Work In Restricted Working Space, Add	*23.47*	
26 05 33 13-1056		EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	669.61	46.94
			For Installation Above 14', Add	*14.08*	
			For Work In Restricted Working Space, Add	*28.17*	
26 05 33 13-1057		EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	1,288.05	66.02
			For Installation Above 14', Add	*19.80*	
			For Work In Restricted Working Space, Add	*39.61*	
26 05 33 13-1058		EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	1,354.92	88.02
			For Installation Above 14', Add	*26.41*	
			For Work In Restricted Working Space, Add	*52.82*	
26 05 33 13-1059		EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	1,985.39	110.02
			For Installation Above 14', Add	*33.01*	
			For Work In Restricted Working Space, Add	*66.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1060	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	2,247.90	133.99
		For Installation Above 14', Add	*40.20*	
		For Work In Restricted Working Space, Add	*80.39*	

26 05 33 13-1061 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbows *(26 05 33 13-0773)*

26 05 33 13-1062	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	74.56	12.22
		For Installation Above 14', Add	*3.67*	
		For Work In Restricted Working Space, Add	*7.34*	
26 05 33 13-1063	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	86.74	15.16
		For Installation Above 14', Add	*4.55*	
		For Work In Restricted Working Space, Add	*9.10*	
26 05 33 13-1064	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	103.32	18.58
		For Installation Above 14', Add	*5.58*	
		For Work In Restricted Working Space, Add	*11.15*	
26 05 33 13-1065	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	121.97	21.52
		For Installation Above 14', Add	*6.45*	
		For Work In Restricted Working Space, Add	*12.91*	

26 05 33 13-1066 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbows *(26 05 33 13-0773)*

26 05 33 13-1067	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	58.57	12.22
		For Installation Above 14', Add	*3.67*	
		For Work In Restricted Working Space, Add	*7.34*	
26 05 33 13-1068	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	67.55	15.16
		For Installation Above 14', Add	*4.55*	
		For Work In Restricted Working Space, Add	*9.10*	
26 05 33 13-1069	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	93.97	18.58
		For Installation Above 14', Add	*5.58*	
		For Work In Restricted Working Space, Add	*11.15*	
26 05 33 13-1070	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	122.04	21.52
		For Installation Above 14', Add	*6.45*	
		For Work In Restricted Working Space, Add	*12.91*	
26 05 33 13-1071	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	148.82	24.45
		For Installation Above 14', Add	*7.34*	
		For Work In Restricted Working Space, Add	*14.67*	
26 05 33 13-1072	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	214.45	26.90
		For Installation Above 14', Add	*8.07*	
		For Work In Restricted Working Space, Add	*16.14*	
26 05 33 13-1073	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	293.23	33.74
		For Installation Above 14', Add	*10.12*	
		For Work In Restricted Working Space, Add	*20.24*	

26 05 33 13-1074 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbows *(26 05 33 13-0773)*

26 05 33 13-1075	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	74.59	12.22
		For Installation Above 14', Add	*3.67*	
		For Work In Restricted Working Space, Add	*7.34*	
26 05 33 13-1076	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	88.95	15.16
		For Installation Above 14', Add	*4.55*	
		For Work In Restricted Working Space, Add	*9.10*	
26 05 33 13-1077	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	103.34	18.58
		For Installation Above 14', Add	*5.58*	
		For Work In Restricted Working Space, Add	*11.15*	
26 05 33 13-1078	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	122.01	21.52
		For Installation Above 14', Add	*6.45*	
		For Work In Restricted Working Space, Add	*12.91*	

26 05 33 13-1079 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbows *(26 05 33 13-0773)*

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	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1080	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	58.62	12.22
		For Installation Above 14', Add	*3.67*	
		For Work In Restricted Working Space, Add	*7.34*	
26 05 33 13-1081	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	67.55	15.16
		For Installation Above 14', Add	*4.55*	
		For Work In Restricted Working Space, Add	*9.10*	
26 05 33 13-1082	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	87.35	18.58
		For Installation Above 14', Add	*5.58*	
		For Work In Restricted Working Space, Add	*11.15*	
26 05 33 13-1083	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	109.18	21.52
		For Installation Above 14', Add	*6.45*	
		For Work In Restricted Working Space, Add	*12.91*	
26 05 33 13-1084	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	127.88	24.45
		For Installation Above 14', Add	*7.34*	
		For Work In Restricted Working Space, Add	*14.67*	
26 05 33 13-1085	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	147.36	26.90
		For Installation Above 14', Add	*8.07*	
		For Work In Restricted Working Space, Add	*16.14*	
26 05 33 13-1086	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	276.12	33.74
		For Installation Above 14', Add	*10.12*	
		For Work In Restricted Working Space, Add	*20.24*	
26 05 33 13-1087	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	316.08	45.97
		For Installation Above 14', Add	*13.79*	
		For Work In Restricted Working Space, Add	*27.58*	
26 05 33 13-1088	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	340.89	51.83
		For Installation Above 14', Add	*15.55*	
		For Work In Restricted Working Space, Add	*31.10*	
26 05 33 13-1089	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	420.38	67.48
		For Installation Above 14', Add	*20.25*	
		For Work In Restricted Working Space, Add	*40.49*	

26 05 33 13-1090 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbows *(26 05 33 13-0773)*

26 05 33 13-1091	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	122.82	23.47
		For Installation Above 14', Add	*7.04*	
		For Work In Restricted Working Space, Add	*14.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.08*	
26 05 33 13-1092	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	132.66	26.90
		For Installation Above 14', Add	*8.07*	
		For Work In Restricted Working Space, Add	*16.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.14*	
26 05 33 13-1093	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	145.15	30.81
		For Installation Above 14', Add	*9.24*	
		For Work In Restricted Working Space, Add	*18.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.49*	
26 05 33 13-1094	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	195.24	35.70
		For Installation Above 14', Add	*10.71*	
		For Work In Restricted Working Space, Add	*21.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.42*	
26 05 33 13-1095	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	248.76	39.12
		For Installation Above 14', Add	*11.74*	
		For Work In Restricted Working Space, Add	*23.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.47*	

26 05 33 13-1096 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Boxes With Cast Iron Cover *(26 05 33 13-0773)*

26 05 33 13-1097	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	148.16	23.47
		For Installation Above 14', Add	*7.04*	
		For Work In Restricted Working Space, Add	*14.08*	
26 05 33 13-1098	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	159.55	26.90
		For Installation Above 14', Add	*8.07*	
		For Work In Restricted Working Space, Add	*16.14*	
26 05 33 13-1099	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	186.53	30.81
		For Installation Above 14', Add	*9.24*	
		For Work In Restricted Working Space, Add	*18.49*	
26 05 33 13-1100	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	267.06	35.70
		For Installation Above 14', Add	*10.71*	
		For Work In Restricted Working Space, Add	*21.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1101	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	434.87	39.12
		For Installation Above 14', Add	*11.74*	
		For Work In Restricted Working Space, Add	*23.47*	
26 05 33 13-1102	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	469.63	46.94
		For Installation Above 14', Add	*14.08*	
		For Work In Restricted Working Space, Add	*28.17*	

26 05 33 13-1103 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Boxes With Cast Iron Cover *(26 05 33 13-0773)*

26 05 33 13-1104	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	162.54	23.47
		For Installation Above 14', Add	*7.04*	
		For Work In Restricted Working Space, Add	*14.08*	
26 05 33 13-1105	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	183.53	26.90
		For Installation Above 14', Add	*8.07*	
		For Work In Restricted Working Space, Add	*16.14*	
26 05 33 13-1106	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	200.22	30.81
		For Installation Above 14', Add	*9.24*	
		For Work In Restricted Working Space, Add	*18.49*	
26 05 33 13-1107	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	280.97	35.70
		For Installation Above 14', Add	*10.71*	
		For Work In Restricted Working Space, Add	*21.42*	
26 05 33 13-1108	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	468.03	39.12
		For Installation Above 14', Add	*11.74*	
		For Work In Restricted Working Space, Add	*23.47*	
26 05 33 13-1109	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	500.07	46.94
		For Installation Above 14', Add	*14.08*	
		For Work In Restricted Working Space, Add	*28.17*	

26 05 33 13-1110 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Boxes With Cast Iron Cover *(26 05 33 13-0773)*

26 05 33 13-1111	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	162.65	23.47
		For Installation Above 14', Add	*7.04*	
		For Work In Restricted Working Space, Add	*14.08*	
26 05 33 13-1112	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	179.29	26.90
		For Installation Above 14', Add	*8.07*	
		For Work In Restricted Working Space, Add	*16.14*	
26 05 33 13-1113	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	213.42	30.81
		For Installation Above 14', Add	*9.24*	
		For Work In Restricted Working Space, Add	*18.49*	
26 05 33 13-1114	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	291.56	35.70
		For Installation Above 14', Add	*10.71*	
		For Work In Restricted Working Space, Add	*21.42*	
26 05 33 13-1115	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	483.84	39.12
		For Installation Above 14', Add	*11.74*	
		For Work In Restricted Working Space, Add	*23.47*	
26 05 33 13-1116	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	519.56	46.94
		For Installation Above 14', Add	*14.08*	
		For Work In Restricted Working Space, Add	*28.17*	

26 05 33 13-1117 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Boxes With Cast Iron Cover *(26 05 33 13-0773)*

26 05 33 13-1118	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	202.46	23.47
		For Installation Above 14', Add	*7.04*	
		For Work In Restricted Working Space, Add	*14.08*	
26 05 33 13-1119	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	223.54	26.90
		For Installation Above 14', Add	*8.07*	
		For Work In Restricted Working Space, Add	*16.14*	
26 05 33 13-1120	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	242.20	30.81
		For Installation Above 14', Add	*9.24*	
		For Work In Restricted Working Space, Add	*18.49*	
26 05 33 13-1121	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	613.28	35.70
		For Installation Above 14', Add	*10.71*	
		For Work In Restricted Working Space, Add	*21.42*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1122		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Boxes *(26 05 33 13-0773)*			
		Note: Excludes cover.			
26 05 33 13-1123	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box		96.32	23.47
		For Installation Above 14', Add		*7.04*	
		For Work In Restricted Working Space, Add		*14.08*	
26 05 33 13-1124	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box		105.84	26.90
		For Installation Above 14', Add		*8.07*	
		For Work In Restricted Working Space, Add		*16.14*	
26 05 33 13-1125	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box		118.13	30.81
		For Installation Above 14', Add		*9.24*	
		For Work In Restricted Working Space, Add		*18.49*	
26 05 33 13-1126	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box		107.11	23.47
		For Installation Above 14', Add		*7.04*	
		For Work In Restricted Working Space, Add		*14.08*	
26 05 33 13-1127	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box		115.28	26.90
		For Installation Above 14', Add		*8.07*	
		For Work In Restricted Working Space, Add		*16.14*	
26 05 33 13-1128	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box		131.25	30.81
		For Installation Above 14', Add		*9.24*	
		For Work In Restricted Working Space, Add		*18.49*	
26 05 33 13-1129		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Boxes *(26 05 33 13-0773)*			
		Note: Excludes cover.			
26 05 33 13-1130	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box		101.42	23.47
		For Installation Above 14', Add		*7.04*	
		For Work In Restricted Working Space, Add		*14.08*	
26 05 33 13-1131	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box		111.58	26.90
		For Installation Above 14', Add		*8.07*	
		For Work In Restricted Working Space, Add		*16.14*	
26 05 33 13-1132	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box		122.10	30.81
		For Installation Above 14', Add		*9.24*	
		For Work In Restricted Working Space, Add		*18.49*	
26 05 33 13-1133	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box		114.41	23.47
		For Installation Above 14', Add		*7.04*	
		For Work In Restricted Working Space, Add		*14.08*	
26 05 33 13-1134	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box		124.70	26.90
		For Installation Above 14', Add		*8.07*	
		For Work In Restricted Working Space, Add		*16.14*	
26 05 33 13-1135	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box		140.94	30.81
		For Installation Above 14', Add		*9.24*	
		For Work In Restricted Working Space, Add		*18.49*	
26 05 33 13-1136		Polyvinyl Chloride (PVC) Coated, Urethane Lined, FS And FD Series Covers *(26 05 33 13-0773)*			
26 05 33 13-1137	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS23, FS And FD Series Cover		36.42	2.94
		For Installation Above 14', Add		*0.88*	
		For Work In Restricted Working Space, Add		*1.76*	
26 05 33 13-1138	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS21G, FS And FD Series Cover		49.59	3.42
		For Installation Above 14', Add		*1.03*	
		For Work In Restricted Working Space, Add		*2.06*	
26 05 33 13-1139	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS32G, FS And FD Series Cover		46.79	3.42
		For Installation Above 14', Add		*1.03*	
		For Work In Restricted Working Space, Add		*2.06*	
26 05 33 13-1140	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS100G, FS And FD Series Cover		41.55	3.42
		For Installation Above 14', Add		*1.03*	
		For Work In Restricted Working Space, Add		*2.06*	
26 05 33 13-1141	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRD1, FS And FD Series Cover		203.71	4.89
		For Installation Above 14', Add		*1.47*	
		For Work In Restricted Working Space, Add		*2.94*	
26 05 33 13-1142	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRS1, FS And FD Series Cover		181.02	4.89
		For Installation Above 14', Add		*1.47*	
		For Work In Restricted Working Space, Add		*2.94*	
26 05 33 13-1143		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Mogul Conduit Bodies *(26 05 33 13-0773)*			
		Note: Includes covers.			
26 05 33 13-1144	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body		210.50	30.81
		For Installation Above 14', Add		*9.24*	
		For Work In Restricted Working Space, Add		*18.49*	
26 05 33 13-1145	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body		236.33	35.70
		For Installation Above 14', Add		*10.71*	
		For Work In Restricted Working Space, Add		*21.42*	
26 05 33 13-1146	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body		327.24	39.12
		For Installation Above 14', Add		*11.74*	
		For Work In Restricted Working Space, Add		*23.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1147	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	389.91	46.94
		For Installation Above 14', Add	*14.08*	
		For Work In Restricted Working Space, Add	*28.17*	
26 05 33 13-1148	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	563.44	66.02
		For Installation Above 14', Add	*19.80*	
		For Work In Restricted Working Space, Add	*39.61*	
26 05 33 13-1149	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	710.53	88.02
		For Installation Above 14', Add	*26.41*	
		For Work In Restricted Working Space, Add	*52.82*	
26 05 33 13-1150	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	1,043.22	110.02
		For Installation Above 14', Add	*33.01*	
		For Work In Restricted Working Space, Add	*66.02*	
26 05 33 13-1151	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	1,294.66	133.99
		For Installation Above 14', Add	*40.20*	
		For Work In Restricted Working Space, Add	*80.39*	
26 05 33 13-1152	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	210.50	30.81
		For Installation Above 14', Add	*9.24*	
		For Work In Restricted Working Space, Add	*18.49*	
26 05 33 13-1153	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	236.33	35.70
		For Installation Above 14', Add	*10.71*	
		For Work In Restricted Working Space, Add	*21.42*	
26 05 33 13-1154	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	326.33	39.12
		For Installation Above 14', Add	*11.74*	
		For Work In Restricted Working Space, Add	*23.47*	
26 05 33 13-1155	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	380.67	46.94
		For Installation Above 14', Add	*14.08*	
		For Work In Restricted Working Space, Add	*28.17*	
26 05 33 13-1156	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	571.95	66.02
		For Installation Above 14', Add	*19.80*	
		For Work In Restricted Working Space, Add	*39.61*	
26 05 33 13-1157	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	748.69	88.02
		For Installation Above 14', Add	*26.41*	
		For Work In Restricted Working Space, Add	*52.82*	
26 05 33 13-1158	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	1,089.29	110.02
		For Installation Above 14', Add	*33.01*	
		For Work In Restricted Working Space, Add	*66.02*	
26 05 33 13-1159	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	1,323.35	133.99
		For Installation Above 14', Add	*40.20*	
		For Work In Restricted Working Space, Add	*80.39*	
26 05 33 13-1160	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	210.50	30.81
		For Installation Above 14', Add	*9.24*	
		For Work In Restricted Working Space, Add	*18.49*	
26 05 33 13-1161	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	236.33	35.70
		For Installation Above 14', Add	*10.71*	
		For Work In Restricted Working Space, Add	*21.42*	
26 05 33 13-1162	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	326.33	39.12
		For Installation Above 14', Add	*11.74*	
		For Work In Restricted Working Space, Add	*23.47*	
26 05 33 13-1163	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	380.67	46.94
		For Installation Above 14', Add	*14.08*	
		For Work In Restricted Working Space, Add	*28.17*	
26 05 33 13-1164	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	571.95	66.02
		For Installation Above 14', Add	*19.80*	
		For Work In Restricted Working Space, Add	*39.61*	
26 05 33 13-1165	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	748.69	88.02
		For Installation Above 14', Add	*26.41*	
		For Work In Restricted Working Space, Add	*52.82*	
26 05 33 13-1166	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	1,089.29	110.02
		For Installation Above 14', Add	*33.01*	
		For Work In Restricted Working Space, Add	*66.02*	
26 05 33 13-1167	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	1,323.35	133.99
		For Installation Above 14', Add	*40.20*	
		For Work In Restricted Working Space, Add	*80.39*	
26 05 33 13-1168	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	210.50	30.81
		For Installation Above 14', Add	*9.24*	
		For Work In Restricted Working Space, Add	*18.49*	
26 05 33 13-1169	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	236.33	35.70
		For Installation Above 14', Add	*10.71*	
		For Work In Restricted Working Space, Add	*21.42*	
26 05 33 13-1170	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	327.24	39.12
		For Installation Above 14', Add	*11.74*	
		For Work In Restricted Working Space, Add	*23.47*	
26 05 33 13-1171	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	385.64	46.94
		For Installation Above 14', Add	*14.08*	
		For Work In Restricted Working Space, Add	*28.17*	
26 05 33 13-1172	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	563.44	66.02
		For Installation Above 14', Add	*19.80*	
		For Work In Restricted Working Space, Add	*39.61*	
26 05 33 13-1173	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	710.53	88.02
		For Installation Above 14', Add	*26.41*	
		For Work In Restricted Working Space, Add	*52.82*	
26 05 33 13-1174	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	1,043.22	110.02
		For Installation Above 14', Add	*33.01*	
		For Work In Restricted Working Space, Add	*66.02*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1175		EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	1,306.61	133.99
			For Installation Above 14', Add	*40.20*	
			For Work In Restricted Working Space, Add	*80.39*	

26 05 33 13-1176 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Covers *(26 05 33 13-0773)*

26 05 33 13-1177		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	105.80	4.40
			For Installation Above 14', Add	*1.32*	
			For Work In Restricted Working Space, Add	*2.64*	
26 05 33 13-1178		EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	106.79	4.89
			For Installation Above 14', Add	*1.47*	
			For Work In Restricted Working Space, Add	*2.94*	
26 05 33 13-1179		EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	150.96	6.85
			For Installation Above 14', Add	*2.06*	
			For Work In Restricted Working Space, Add	*4.11*	
26 05 33 13-1180		EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	152.91	7.82
			For Installation Above 14', Add	*2.35*	
			For Work In Restricted Working Space, Add	*4.70*	
26 05 33 13-1181		EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	267.65	9.29
			For Installation Above 14', Add	*2.79*	
			For Work In Restricted Working Space, Add	*5.57*	
26 05 33 13-1182		EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	272.54	11.74
			For Installation Above 14', Add	*3.52*	
			For Work In Restricted Working Space, Add	*7.04*	
26 05 33 13-1183		EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	410.97	13.20
			For Installation Above 14', Add	*3.96*	
			For Work In Restricted Working Space, Add	*7.92*	
26 05 33 13-1184		EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	418.79	17.11
			For Installation Above 14', Add	*5.13*	
			For Work In Restricted Working Space, Add	*10.27*	

26 05 33 13-1185 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings *(26 05 33 13-0773)*

26 05 33 13-1186		EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	181.71	12.22
			For Installation Above 14', Add	*3.67*	
			For Work In Restricted Working Space, Add	*7.34*	
26 05 33 13-1187		EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	214.61	15.16
			For Installation Above 14', Add	*4.55*	
			For Work In Restricted Working Space, Add	*9.10*	
26 05 33 13-1188		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	253.97	18.58
			For Installation Above 14', Add	*5.58*	
			For Work In Restricted Working Space, Add	*11.15*	
26 05 33 13-1189		EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	313.01	21.52
			For Installation Above 14', Add	*6.45*	
			For Work In Restricted Working Space, Add	*12.91*	
26 05 33 13-1190		EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	418.90	24.45
			For Installation Above 14', Add	*7.34*	
			For Work In Restricted Working Space, Add	*14.67*	
26 05 33 13-1191		EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	580.72	26.90
			For Installation Above 14', Add	*8.07*	
			For Work In Restricted Working Space, Add	*16.14*	
26 05 33 13-1192		EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	829.85	33.74
			For Installation Above 14', Add	*10.12*	
			For Work In Restricted Working Space, Add	*20.24*	
26 05 33 13-1193		EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	1,031.45	45.97
			For Installation Above 14', Add	*13.79*	
			For Work In Restricted Working Space, Add	*27.58*	
26 05 33 13-1194		EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	1,448.51	51.83
			For Installation Above 14', Add	*15.55*	
			For Work In Restricted Working Space, Add	*31.10*	
26 05 33 13-1195		EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	1,668.64	67.48
			For Installation Above 14', Add	*20.25*	
			For Work In Restricted Working Space, Add	*40.49*	

26 05 33 13-1196 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings With Bonding Jumper *(26 05 33 13-0773)*

26 05 33 13-1197		EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	289.44	12.22
			For Installation Above 14', Add	*3.67*	
			For Work In Restricted Working Space, Add	*7.34*	
26 05 33 13-1198		EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	300.30	15.16
			For Installation Above 14', Add	*4.55*	
			For Work In Restricted Working Space, Add	*9.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1199	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	337.12	18.58
		For Installation Above 14', Add	*5.58*	
		For Work In Restricted Working Space, Add	*11.15*	
26 05 33 13-1200	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	408.03	21.52
		For Installation Above 14', Add	*6.45*	
		For Work In Restricted Working Space, Add	*12.91*	
26 05 33 13-1201	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	494.76	24.45
		For Installation Above 14', Add	*7.34*	
		For Work In Restricted Working Space, Add	*14.67*	
26 05 33 13-1202	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	632.94	26.90
		For Installation Above 14', Add	*8.07*	
		For Work In Restricted Working Space, Add	*16.14*	
26 05 33 13-1203	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	935.06	33.74
		For Installation Above 14', Add	*10.12*	
		For Work In Restricted Working Space, Add	*20.24*	
26 05 33 13-1204	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	1,172.04	45.97
		For Installation Above 14', Add	*13.79*	
		For Work In Restricted Working Space, Add	*27.58*	
26 05 33 13-1205	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	1,493.89	51.83
		For Installation Above 14', Add	*15.55*	
		For Work In Restricted Working Space, Add	*31.10*	
26 05 33 13-1206	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	1,869.65	67.48
		For Installation Above 14', Add	*20.25*	
		For Work In Restricted Working Space, Add	*40.49*	

26 05 33 13-1207 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STG Knockout Hubs *(26 05 33 13-0773)*

26 05 33 13-1208	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	59.85	5.87
		For Installation Above 14', Add	*1.76*	
		For Work In Restricted Working Space, Add	*3.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.52*	
26 05 33 13-1209	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	64.81	7.34
		For Installation Above 14', Add	*2.20*	
		For Work In Restricted Working Space, Add	*4.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.40*	
26 05 33 13-1210	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	71.25	8.80
		For Installation Above 14', Add	*2.64*	
		For Work In Restricted Working Space, Add	*5.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.28*	
26 05 33 13-1211	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	80.54	10.76
		For Installation Above 14', Add	*3.23*	
		For Work In Restricted Working Space, Add	*6.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.46*	
26 05 33 13-1212	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	108.51	12.22
		For Installation Above 14', Add	*3.67*	
		For Work In Restricted Working Space, Add	*7.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.34*	
26 05 33 13-1213	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	132.70	13.70
		For Installation Above 14', Add	*4.11*	
		For Work In Restricted Working Space, Add	*8.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.21*	
26 05 33 13-1214	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	190.17	17.11
		For Installation Above 14', Add	*5.13*	
		For Work In Restricted Working Space, Add	*10.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.27*	
26 05 33 13-1215	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	248.21	22.98
		For Installation Above 14', Add	*6.90*	
		For Work In Restricted Working Space, Add	*13.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.79*	
26 05 33 13-1216	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	317.20	25.92
		For Installation Above 14', Add	*7.77*	
		For Work In Restricted Working Space, Add	*15.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.55*	
26 05 33 13-1217	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	398.86	33.74
		For Installation Above 14', Add	*10.12*	
		For Work In Restricted Working Space, Add	*20.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.24*	
26 05 33 13-1218	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	494.92	54.77
		For Installation Above 14', Add	*16.43*	
		For Work In Restricted Working Space, Add	*32.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.86*	
26 05 33 13-1219	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	746.42	82.64
		For Installation Above 14', Add	*24.79*	
		For Work In Restricted Working Space, Add	*49.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.59*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1220		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTB Knockout Hubs *(26 05 33 13-0773)*			
26 05 33 13-1221	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub		90.46	5.87
		For Installation Above 14', Add		*1.76*	
		For Work In Restricted Working Space, Add		*3.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*3.52*	
26 05 33 13-1222	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub		95.64	7.34
		For Installation Above 14', Add		*2.20*	
		For Work In Restricted Working Space, Add		*4.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*4.40*	
26 05 33 13-1223	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub		102.75	8.80
		For Installation Above 14', Add		*2.64*	
		For Work In Restricted Working Space, Add		*5.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*5.28*	
26 05 33 13-1224	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub		117.27	10.76
		For Installation Above 14', Add		*3.23*	
		For Work In Restricted Working Space, Add		*6.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*6.46*	
26 05 33 13-1225	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub		125.85	12.22
		For Installation Above 14', Add		*3.67*	
		For Work In Restricted Working Space, Add		*7.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*7.34*	
26 05 33 13-1226	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub		142.36	13.70
		For Installation Above 14', Add		*4.11*	
		For Work In Restricted Working Space, Add		*8.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*8.21*	
26 05 33 13-1227	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub		217.28	17.11
		For Installation Above 14', Add		*5.13*	
		For Work In Restricted Working Space, Add		*10.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*10.27*	
26 05 33 13-1228	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub		259.90	22.98
		For Installation Above 14', Add		*6.90*	
		For Work In Restricted Working Space, Add		*13.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*13.79*	
26 05 33 13-1229	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub		319.73	25.92
		For Installation Above 14', Add		*7.77*	
		For Work In Restricted Working Space, Add		*15.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*15.55*	
26 05 33 13-1230	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub		415.16	33.74
		For Installation Above 14', Add		*10.12*	
		For Work In Restricted Working Space, Add		*20.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*20.24*	
26 05 33 13-1231	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub		645.67	54.77
		For Installation Above 14', Add		*16.43*	
		For Work In Restricted Working Space, Add		*32.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*32.86*	
26 05 33 13-1232	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub		1,057.07	82.64
		For Installation Above 14', Add		*24.79*	
		For Work In Restricted Working Space, Add		*49.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*49.59*	
26 05 33 13-1233		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTTB Knockout Hubs *(26 05 33 13-0773)*			
26 05 33 13-1234	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub		97.26	5.87
		For Installation Above 14', Add		*1.76*	
		For Work In Restricted Working Space, Add		*3.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*3.52*	
26 05 33 13-1235	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub		102.10	7.34
		For Installation Above 14', Add		*2.20*	
		For Work In Restricted Working Space, Add		*4.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*4.40*	
26 05 33 13-1236	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub		109.50	8.80
		For Installation Above 14', Add		*2.64*	
		For Work In Restricted Working Space, Add		*5.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*5.28*	
26 05 33 13-1237	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub		137.76	10.76
		For Installation Above 14', Add		*3.23*	
		For Work In Restricted Working Space, Add		*6.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*6.46*	
26 05 33 13-1238	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub		150.59	12.22
		For Installation Above 14', Add		*3.67*	
		For Work In Restricted Working Space, Add		*7.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*7.34*	
26 05 33 13-1239	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub		159.43	13.70
		For Installation Above 14', Add		*4.11*	
		For Work In Restricted Working Space, Add		*8.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*8.21*	
26 05 33 13-1240		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions *(26 05 33 13-0773)*			

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1241	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	71.67	12.22
		For Installation Above 14', Add	*3.67*	
		For Work In Restricted Working Space, Add	*7.34*	
26 05 33 13-1242	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	78.40	15.16
		For Installation Above 14', Add	*4.55*	
		For Work In Restricted Working Space, Add	*9.10*	
26 05 33 13-1243	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	101.62	18.58
		For Installation Above 14', Add	*5.58*	
		For Work In Restricted Working Space, Add	*11.15*	
26 05 33 13-1244	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	146.76	21.52
		For Installation Above 14', Add	*6.45*	
		For Work In Restricted Working Space, Add	*12.91*	
26 05 33 13-1245	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	174.01	24.45
		For Installation Above 14', Add	*7.34*	
		For Work In Restricted Working Space, Add	*14.67*	
26 05 33 13-1246	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	220.52	26.90
		For Installation Above 14', Add	*8.07*	
		For Work In Restricted Working Space, Add	*16.14*	
26 05 33 13-1247	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	293.21	33.74
		For Installation Above 14', Add	*10.12*	
		For Work In Restricted Working Space, Add	*20.24*	
26 05 33 13-1248	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	378.68	33.74
		For Installation Above 14', Add	*10.12*	
		For Work In Restricted Working Space, Add	*20.24*	
26 05 33 13-1249	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	489.69	51.83
		For Installation Above 14', Add	*15.55*	
		For Work In Restricted Working Space, Add	*31.10*	
26 05 33 13-1250	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	630.63	67.48
		For Installation Above 14', Add	*20.25*	
		For Work In Restricted Working Space, Add	*40.49*	
26 05 33 13-1251	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	1,146.51	110.02
		For Installation Above 14', Add	*33.01*	
		For Work In Restricted Working Space, Add	*66.02*	
26 05 33 13-1252	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	1,433.97	165.29
		For Installation Above 14', Add	*49.59*	
		For Work In Restricted Working Space, Add	*99.17*	

26 05 33 13-1253 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions *(26 05 33 13-0773)*

26 05 33 13-1254	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	73.26	12.22
		For Installation Above 14', Add	*3.67*	
		For Work In Restricted Working Space, Add	*7.34*	
26 05 33 13-1255	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	84.47	15.16
		For Installation Above 14', Add	*4.55*	
		For Work In Restricted Working Space, Add	*9.10*	
26 05 33 13-1256	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	104.86	18.58
		For Installation Above 14', Add	*5.58*	
		For Work In Restricted Working Space, Add	*11.15*	
26 05 33 13-1257	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	152.70	21.52
		For Installation Above 14', Add	*6.45*	
		For Work In Restricted Working Space, Add	*12.91*	
26 05 33 13-1258	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	182.26	24.45
		For Installation Above 14', Add	*7.34*	
		For Work In Restricted Working Space, Add	*14.67*	
26 05 33 13-1259	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	238.34	26.90
		For Installation Above 14', Add	*8.07*	
		For Work In Restricted Working Space, Add	*16.14*	
26 05 33 13-1260	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	331.34	33.74
		For Installation Above 14', Add	*10.12*	
		For Work In Restricted Working Space, Add	*20.24*	
26 05 33 13-1261	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	417.45	33.74
		For Installation Above 14', Add	*10.12*	
		For Work In Restricted Working Space, Add	*20.24*	
26 05 33 13-1262	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	559.78	51.83
		For Installation Above 14', Add	*15.55*	
		For Work In Restricted Working Space, Add	*31.10*	
26 05 33 13-1263	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	700.46	67.48
		For Installation Above 14', Add	*20.25*	
		For Work In Restricted Working Space, Add	*40.49*	
26 05 33 13-1264	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	1,274.51	110.02
		For Installation Above 14', Add	*33.01*	
		For Work In Restricted Working Space, Add	*66.02*	
26 05 33 13-1265	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	1,640.66	165.29
		For Installation Above 14', Add	*49.59*	
		For Work In Restricted Working Space, Add	*99.17*	

26 05 33 13-1266 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Reducing Couplings *(26 05 33 13-0773)*

26 05 33 13-1267	EA	3/4" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	39.76	3.91
		For Installation Above 14', Add	*1.17*	
		For Work In Restricted Working Space, Add	*2.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1268	EA	1" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	43.65	4.89
		For Installation Above 14', Add	*1.47*	
		For Work In Restricted Working Space, Add	*2.94*	
26 05 33 13-1269	EA	1" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	49.62	4.89
		For Installation Above 14', Add	*1.47*	
		For Work In Restricted Working Space, Add	*2.94*	
26 05 33 13-1270	EA	1-1/4" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	61.29	5.38
		For Installation Above 14', Add	*1.61*	
		For Work In Restricted Working Space, Add	*3.23*	
26 05 33 13-1271	EA	1-1/4" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	64.73	5.38
		For Installation Above 14', Add	*1.61*	
		For Work In Restricted Working Space, Add	*3.23*	
26 05 33 13-1272	EA	1-1/2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	55.65	6.36
		For Installation Above 14', Add	*1.91*	
		For Work In Restricted Working Space, Add	*3.81*	
26 05 33 13-1273	EA	1-1/2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	63.33	6.36
		For Installation Above 14', Add	*1.91*	
		For Work In Restricted Working Space, Add	*3.81*	
26 05 33 13-1274	EA	1-1/2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	97.89	6.36
		For Installation Above 14', Add	*1.91*	
		For Work In Restricted Working Space, Add	*3.81*	
26 05 33 13-1275	EA	2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	108.83	7.34
		For Installation Above 14', Add	*2.20*	
		For Work In Restricted Working Space, Add	*4.40*	
26 05 33 13-1276	EA	2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	105.85	7.34
		For Installation Above 14', Add	*2.20*	
		For Work In Restricted Working Space, Add	*4.40*	
26 05 33 13-1277	EA	2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	111.39	7.34
		For Installation Above 14', Add	*2.20*	
		For Work In Restricted Working Space, Add	*4.40*	
26 05 33 13-1278	EA	2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	125.33	7.34
		For Installation Above 14', Add	*2.20*	
		For Work In Restricted Working Space, Add	*4.40*	
26 05 33 13-1279	EA	2-1/2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	124.52	8.80
		For Installation Above 14', Add	*2.64*	
		For Work In Restricted Working Space, Add	*5.28*	
26 05 33 13-1280	EA	3" x 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	158.80	12.22
		For Installation Above 14', Add	*3.67*	
		For Work In Restricted Working Space, Add	*7.34*	
26 05 33 13-1281	EA	3-1/2" x 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	233.71	14.18
		For Installation Above 14', Add	*4.25*	
		For Work In Restricted Working Space, Add	*8.51*	
26 05 33 13-1282	EA	4" x 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	312.71	19.56
		For Installation Above 14', Add	*5.87*	
		For Work In Restricted Working Space, Add	*11.74*	
26 05 33 13-1283	EA	5" x 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	391.12	26.90
		For Installation Above 14', Add	*8.07*	
		For Work In Restricted Working Space, Add	*16.14*	

26 05 33 13-1284 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples *(26 05 33 13-0773)*

26 05 33 13-1285	EA	1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	25.13	5.87
		For Installation Above 14', Add	*1.76*	
		For Work In Restricted Working Space, Add	*3.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.52*	
26 05 33 13-1286	EA	3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	28.32	7.34
		For Installation Above 14', Add	*2.20*	
		For Work In Restricted Working Space, Add	*4.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.40*	
26 05 33 13-1287	EA	1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	32.98	9.29
		For Installation Above 14', Add	*2.79*	
		For Work In Restricted Working Space, Add	*5.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.57*	
26 05 33 13-1288	EA	1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	39.23	10.76
		For Installation Above 14', Add	*3.23*	
		For Work In Restricted Working Space, Add	*6.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.46*	
26 05 33 13-1289	EA	1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	42.74	12.22
		For Installation Above 14', Add	*3.67*	
		For Work In Restricted Working Space, Add	*7.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.34*	
26 05 33 13-1290	EA	1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	27.82	6.36
		For Installation Above 14', Add	*1.91*	
		For Work In Restricted Working Space, Add	*3.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.81*	
26 05 33 13-1291	EA	3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	30.15	7.34
		For Installation Above 14', Add	*2.20*	
		For Work In Restricted Working Space, Add	*4.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1292	EA	1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	34.83	9.29
		For Installation Above 14', Add	*2.79*	
		For Work In Restricted Working Space, Add	*5.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.57*	
26 05 33 13-1293	EA	1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	41.19	10.76
		For Installation Above 14', Add	*3.23*	
		For Work In Restricted Working Space, Add	*6.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.46*	
26 05 33 13-1294	EA	1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	44.85	12.22
		For Installation Above 14', Add	*3.67*	
		For Work In Restricted Working Space, Add	*7.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.34*	
26 05 33 13-1295	EA	2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	48.69	13.70
		For Installation Above 14', Add	*4.11*	
		For Work In Restricted Working Space, Add	*8.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.21*	
26 05 33 13-1296	EA	1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	27.95	6.36
		For Installation Above 14', Add	*1.91*	
		For Work In Restricted Working Space, Add	*3.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.81*	
26 05 33 13-1297	EA	3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	30.27	7.34
		For Installation Above 14', Add	*2.20*	
		For Work In Restricted Working Space, Add	*4.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.40*	
26 05 33 13-1298	EA	1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	35.06	9.29
		For Installation Above 14', Add	*2.79*	
		For Work In Restricted Working Space, Add	*5.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.57*	
26 05 33 13-1299	EA	1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	41.44	10.76
		For Installation Above 14', Add	*3.23*	
		For Work In Restricted Working Space, Add	*6.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.46*	
26 05 33 13-1300	EA	1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	45.10	12.22
		For Installation Above 14', Add	*3.67*	
		For Work In Restricted Working Space, Add	*7.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.34*	
26 05 33 13-1301	EA	2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	49.35	13.70
		For Installation Above 14', Add	*4.11*	
		For Work In Restricted Working Space, Add	*8.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.21*	
26 05 33 13-1302	EA	1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	29.69	6.36
		For Installation Above 14', Add	*1.91*	
		For Work In Restricted Working Space, Add	*3.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.81*	
26 05 33 13-1303	EA	3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	32.01	7.34
		For Installation Above 14', Add	*2.20*	
		For Work In Restricted Working Space, Add	*4.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.40*	
26 05 33 13-1304	EA	1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	36.93	9.29
		For Installation Above 14', Add	*2.79*	
		For Work In Restricted Working Space, Add	*5.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.57*	
26 05 33 13-1305	EA	1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	42.50	10.76
		For Installation Above 14', Add	*3.23*	
		For Work In Restricted Working Space, Add	*6.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.46*	
26 05 33 13-1306	EA	1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	46.27	12.22
		For Installation Above 14', Add	*3.67*	
		For Work In Restricted Working Space, Add	*7.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.34*	
26 05 33 13-1307	EA	2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	51.40	13.70
		For Installation Above 14', Add	*4.11*	
		For Work In Restricted Working Space, Add	*8.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.21*	
26 05 33 13-1308	EA	2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	71.37	16.62
		For Installation Above 14', Add	*4.99*	
		For Work In Restricted Working Space, Add	*9.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.98*	
26 05 33 13-1309	EA	3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	92.62	22.98
		For Installation Above 14', Add	*6.90*	
		For Work In Restricted Working Space, Add	*13.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.79*	
26 05 33 13-1310	EA	1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	29.81	6.36
		For Installation Above 14', Add	*1.91*	
		For Work In Restricted Working Space, Add	*3.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.81*	
26 05 33 13-1311	EA	3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	32.25	7.34
		For Installation Above 14', Add	*2.20*	
		For Work In Restricted Working Space, Add	*4.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.40*	
26 05 33 13-1312	EA	1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	37.19	9.29
		For Installation Above 14', Add	*2.79*	
		For Work In Restricted Working Space, Add	*5.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1313	EA	1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	43.56	10.76
		For Installation Above 14', Add	*3.23*	
		For Work In Restricted Working Space, Add	*6.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.46*	
26 05 33 13-1314	EA	1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	47.45	12.22
		For Installation Above 14', Add	*3.67*	
		For Work In Restricted Working Space, Add	*7.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.34*	
26 05 33 13-1315	EA	2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	53.45	13.70
		For Installation Above 14', Add	*4.11*	
		For Work In Restricted Working Space, Add	*8.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.21*	
26 05 33 13-1316	EA	2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	73.19	16.62
		For Installation Above 14', Add	*4.99*	
		For Work In Restricted Working Space, Add	*9.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.98*	
26 05 33 13-1317	EA	3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	96.52	22.98
		For Installation Above 14', Add	*6.90*	
		For Work In Restricted Working Space, Add	*13.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.79*	
26 05 33 13-1318	EA	3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	114.87	25.92
		For Installation Above 14', Add	*7.77*	
		For Work In Restricted Working Space, Add	*15.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.55*	
26 05 33 13-1319	EA	4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	134.92	33.74
		For Installation Above 14', Add	*10.12*	
		For Work In Restricted Working Space, Add	*20.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.24*	
26 05 33 13-1320	EA	1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	30.05	6.36
		For Installation Above 14', Add	*1.91*	
		For Work In Restricted Working Space, Add	*3.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.81*	
26 05 33 13-1321	EA	3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	32.51	7.34
		For Installation Above 14', Add	*2.20*	
		For Work In Restricted Working Space, Add	*4.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.40*	
26 05 33 13-1322	EA	1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	37.46	9.29
		For Installation Above 14', Add	*2.79*	
		For Work In Restricted Working Space, Add	*5.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.57*	
26 05 33 13-1323	EA	1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	44.06	10.76
		For Installation Above 14', Add	*3.23*	
		For Work In Restricted Working Space, Add	*6.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.46*	
26 05 33 13-1324	EA	1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	47.96	12.22
		For Installation Above 14', Add	*3.67*	
		For Work In Restricted Working Space, Add	*7.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.34*	
26 05 33 13-1325	EA	2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	54.57	13.70
		For Installation Above 14', Add	*4.11*	
		For Work In Restricted Working Space, Add	*8.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.21*	
26 05 33 13-1326	EA	2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	80.39	16.62
		For Installation Above 14', Add	*4.99*	
		For Work In Restricted Working Space, Add	*9.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.98*	
26 05 33 13-1327	EA	3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	102.35	22.98
		For Installation Above 14', Add	*6.90*	
		For Work In Restricted Working Space, Add	*13.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.79*	
26 05 33 13-1328	EA	3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	116.12	25.92
		For Installation Above 14', Add	*7.77*	
		For Work In Restricted Working Space, Add	*15.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.55*	
26 05 33 13-1329	EA	4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	138.25	33.74
		For Installation Above 14', Add	*10.12*	
		For Work In Restricted Working Space, Add	*20.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.24*	
26 05 33 13-1330	EA	5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	203.00	46.46
		For Installation Above 14', Add	*13.94*	
		For Work In Restricted Working Space, Add	*27.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.87*	
26 05 33 13-1331	EA	1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	30.51	6.36
		For Installation Above 14', Add	*1.91*	
		For Work In Restricted Working Space, Add	*3.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.81*	
26 05 33 13-1332	EA	3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	32.96	7.34
		For Installation Above 14', Add	*2.20*	
		For Work In Restricted Working Space, Add	*4.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.40*	
26 05 33 13-1333	EA	1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	37.95	9.29
		For Installation Above 14', Add	*2.79*	
		For Work In Restricted Working Space, Add	*5.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1334	EA	1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	44.97	10.76
		For Installation Above 14', Add	*3.23*	
		For Work In Restricted Working Space, Add	*6.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.46*	
26 05 33 13-1335	EA	1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	49.06	12.22
		For Installation Above 14', Add	*3.67*	
		For Work In Restricted Working Space, Add	*7.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.34*	
26 05 33 13-1336	EA	2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	55.68	13.70
		For Installation Above 14', Add	*4.11*	
		For Work In Restricted Working Space, Add	*8.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.21*	
26 05 33 13-1337	EA	2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	87.71	16.62
		For Installation Above 14', Add	*4.99*	
		For Work In Restricted Working Space, Add	*9.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.98*	
26 05 33 13-1338	EA	3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	110.11	22.98
		For Installation Above 14', Add	*6.90*	
		For Work In Restricted Working Space, Add	*13.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.79*	
26 05 33 13-1339	EA	3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	123.10	25.92
		For Installation Above 14', Add	*7.77*	
		For Work In Restricted Working Space, Add	*15.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.55*	
26 05 33 13-1340	EA	4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	150.03	33.74
		For Installation Above 14', Add	*10.12*	
		For Work In Restricted Working Space, Add	*20.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.24*	
26 05 33 13-1341	EA	5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	220.62	46.46
		For Installation Above 14', Add	*13.94*	
		For Work In Restricted Working Space, Add	*27.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.87*	
26 05 33 13-1342	EA	1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	31.22	6.36
		For Installation Above 14', Add	*1.91*	
		For Work In Restricted Working Space, Add	*3.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.81*	
26 05 33 13-1343	EA	3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	33.66	7.34
		For Installation Above 14', Add	*2.20*	
		For Work In Restricted Working Space, Add	*4.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.40*	
26 05 33 13-1344	EA	1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	39.05	9.29
		For Installation Above 14', Add	*2.79*	
		For Work In Restricted Working Space, Add	*5.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.57*	
26 05 33 13-1345	EA	1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	45.21	10.76
		For Installation Above 14', Add	*3.23*	
		For Work In Restricted Working Space, Add	*6.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.46*	
26 05 33 13-1346	EA	1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	51.29	12.22
		For Installation Above 14', Add	*3.67*	
		For Work In Restricted Working Space, Add	*7.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.34*	
26 05 33 13-1347	EA	2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	61.13	13.70
		For Installation Above 14', Add	*4.11*	
		For Work In Restricted Working Space, Add	*8.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.21*	
26 05 33 13-1348	EA	2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	96.71	16.62
		For Installation Above 14', Add	*4.99*	
		For Work In Restricted Working Space, Add	*9.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.98*	
26 05 33 13-1349	EA	3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	120.72	22.98
		For Installation Above 14', Add	*6.90*	
		For Work In Restricted Working Space, Add	*13.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.79*	
26 05 33 13-1350	EA	3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	140.59	25.92
		For Installation Above 14', Add	*7.77*	
		For Work In Restricted Working Space, Add	*15.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.55*	
26 05 33 13-1351	EA	4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	167.72	33.74
		For Installation Above 14', Add	*10.12*	
		For Work In Restricted Working Space, Add	*20.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.24*	
26 05 33 13-1352	EA	5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	232.70	46.46
		For Installation Above 14', Add	*13.94*	
		For Work In Restricted Working Space, Add	*27.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.87*	
26 05 33 13-1353	EA	1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	31.97	6.36
		For Installation Above 14', Add	*1.91*	
		For Work In Restricted Working Space, Add	*3.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.81*	
26 05 33 13-1354	EA	3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	34.39	7.34
		For Installation Above 14', Add	*2.20*	
		For Work In Restricted Working Space, Add	*4.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.40*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1355	EA	1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	40.13	9.29
		For Installation Above 14', Add	*2.79*	
		For Work In Restricted Working Space, Add	*5.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.57*	
26 05 33 13-1356	EA	1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	48.50	10.76
		For Installation Above 14', Add	*3.23*	
		For Work In Restricted Working Space, Add	*6.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.46*	
26 05 33 13-1357	EA	1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	56.59	12.22
		For Installation Above 14', Add	*3.67*	
		For Work In Restricted Working Space, Add	*7.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.34*	
26 05 33 13-1358	EA	2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	69.15	13.70
		For Installation Above 14', Add	*4.11*	
		For Work In Restricted Working Space, Add	*8.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.21*	
26 05 33 13-1359	EA	2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	106.23	16.62
		For Installation Above 14', Add	*4.99*	
		For Work In Restricted Working Space, Add	*9.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.98*	
26 05 33 13-1360	EA	3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	134.31	22.98
		For Installation Above 14', Add	*6.90*	
		For Work In Restricted Working Space, Add	*13.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.79*	
26 05 33 13-1361	EA	3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	158.96	25.92
		For Installation Above 14', Add	*7.77*	
		For Work In Restricted Working Space, Add	*15.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.55*	
26 05 33 13-1362	EA	4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	198.68	33.74
		For Installation Above 14', Add	*10.12*	
		For Work In Restricted Working Space, Add	*20.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.24*	
26 05 33 13-1363	EA	5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	256.79	46.46
		For Installation Above 14', Add	*13.94*	
		For Work In Restricted Working Space, Add	*27.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.87*	
26 05 33 13-1364	EA	1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	32.74	6.36
		For Installation Above 14', Add	*1.91*	
		For Work In Restricted Working Space, Add	*3.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.81*	
26 05 33 13-1365	EA	3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	35.25	7.34
		For Installation Above 14', Add	*2.20*	
		For Work In Restricted Working Space, Add	*4.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.40*	
26 05 33 13-1366	EA	1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	42.87	9.29
		For Installation Above 14', Add	*2.79*	
		For Work In Restricted Working Space, Add	*5.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.57*	
26 05 33 13-1367	EA	1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	53.92	10.76
		For Installation Above 14', Add	*3.23*	
		For Work In Restricted Working Space, Add	*6.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.46*	
26 05 33 13-1368	EA	1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	63.01	12.22
		For Installation Above 14', Add	*3.67*	
		For Work In Restricted Working Space, Add	*7.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.34*	
26 05 33 13-1369	EA	2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	75.58	13.70
		For Installation Above 14', Add	*4.11*	
		For Work In Restricted Working Space, Add	*8.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.21*	
26 05 33 13-1370	EA	2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	118.92	16.62
		For Installation Above 14', Add	*4.99*	
		For Work In Restricted Working Space, Add	*9.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.98*	
26 05 33 13-1371	EA	3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	154.69	22.98
		For Installation Above 14', Add	*6.90*	
		For Work In Restricted Working Space, Add	*13.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.79*	
26 05 33 13-1372	EA	3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	170.23	25.92
		For Installation Above 14', Add	*7.77*	
		For Work In Restricted Working Space, Add	*15.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.55*	
26 05 33 13-1373	EA	4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	208.17	33.74
		For Installation Above 14', Add	*10.12*	
		For Work In Restricted Working Space, Add	*20.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.24*	
26 05 33 13-1374	EA	5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	260.23	46.46
		For Installation Above 14', Add	*13.94*	
		For Work In Restricted Working Space, Add	*27.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.87*	

26 05 33 13-1375 Aluminum Conduit *(26 05 33 13-0041)*

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1376		**Aluminum Conduit With Threaded Coupling** *(26 05 33 13-1375)* Note: Includes field bend conduit up to 1".		
26 05 33 13-1377	LF	1/2" Aluminum Conduit With Threaded Coupling	4.79	1.50
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.56*	
		For Work In Restricted Working Space, Add	*1.13*	
26 05 33 13-1378	LF	3/4" Aluminum Conduit With Threaded Coupling	5.52	1.65
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.62*	
		For Work In Restricted Working Space, Add	*1.24*	
26 05 33 13-1379	LF	1" Aluminum Conduit With Threaded Coupling	6.47	1.80
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.68*	
		For Work In Restricted Working Space, Add	*1.35*	
26 05 33 13-1380	LF	1-1/4" Aluminum Conduit With Threaded Coupling	7.46	1.96
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.73*	
		For Work In Restricted Working Space, Add	*1.47*	
26 05 33 13-1381	LF	1-1/2" Aluminum Conduit With Threaded Coupling	8.45	2.11
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.79*	
		For Work In Restricted Working Space, Add	*1.58*	
26 05 33 13-1382	LF	2" Aluminum Conduit With Threaded Coupling	10.29	2.41
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.90*	
		For Work In Restricted Working Space, Add	*1.81*	
26 05 33 13-1383	LF	2-1/2" Aluminum Conduit With Threaded Coupling	14.26	3.01
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.13*	
		For Work In Restricted Working Space, Add	*2.26*	
26 05 33 13-1384	LF	3" Aluminum Conduit With Threaded Coupling	17.88	3.61
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.35*	
		For Work In Restricted Working Space, Add	*2.71*	
26 05 33 13-1385	LF	3-1/2" Aluminum Conduit With Threaded Coupling	21.92	4.51
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.69*	
		For Work In Restricted Working Space, Add	*3.39*	
26 05 33 13-1386	LF	4" Aluminum Conduit With Threaded Coupling	26.89	5.71
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*2.15*	
		For Work In Restricted Working Space, Add	*4.29*	
26 05 33 13-1387	LF	5" Aluminum Conduit With Threaded Coupling	36.08	7.22
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*2.71*	
		For Work In Restricted Working Space, Add	*5.42*	
26 05 33 13-1388	LF	6" Aluminum Conduit With Threaded Coupling	46.29	9.02
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*3.39*	
		For Work In Restricted Working Space, Add	*6.77*	
26 05 33 13-1389		**Aluminum 90 Degree Elbows** *(26 05 33 13-1375)*		
26 05 33 13-1390	EA	1" Aluminum 90 Degree Elbow	30.54	7.82
		For Work In Restricted Working Space, Add	*5.87*	
26 05 33 13-1391	EA	1-1/4" Aluminum 90 Degree Elbow	39.64	8.87
		For Work In Restricted Working Space, Add	*6.66*	
26 05 33 13-1392	EA	1-1/2" Aluminum 90 Degree Elbow	48.79	10.24
		For Work In Restricted Working Space, Add	*7.67*	
26 05 33 13-1393	EA	2" Aluminum 90 Degree Elbow	63.51	11.74
		For Work In Restricted Working Space, Add	*8.80*	
26 05 33 13-1394	EA	2-1/2" Aluminum 90 Degree Elbow	93.31	14.30
		For Work In Restricted Working Space, Add	*10.72*	
26 05 33 13-1395	EA	3" Aluminum 90 Degree Elbow	135.21	18.51
		For Work In Restricted Working Space, Add	*13.88*	
26 05 33 13-1396	EA	3-1/2" Aluminum 90 Degree Elbow	190.63	20.76
		For Work In Restricted Working Space, Add	*15.57*	
26 05 33 13-1397	EA	4" Aluminum 90 Degree Elbow	229.56	26.03
		For Work In Restricted Working Space, Add	*19.52*	
26 05 33 13-1398	EA	5" Aluminum 90 Degree Elbow	592.40	42.43
		For Work In Restricted Working Space, Add	*31.82*	
26 05 33 13-1399	EA	6" Aluminum 90 Degree Elbow	832.37	63.80
		For Work In Restricted Working Space, Add	*47.85*	
26 05 33 13-1400		**Aluminum Bushing Set With Locknut** *(26 05 33 13-1375)*		
26 05 33 13-1401	EA	1/2" Aluminum Bushing Set With Locknut	8.35	3.01
		For Work In Restricted Working Space, Add	*2.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.26*	
26 05 33 13-1402	EA	3/4" Aluminum Bushing Set With Locknut	13.15	3.91
		For Work In Restricted Working Space, Add	*2.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.94*	
26 05 33 13-1403	EA	1" Aluminum Bushing Set With Locknut	12.58	4.81
		For Work In Restricted Working Space, Add	*3.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.61*	
26 05 33 13-1404	EA	1-1/4" Aluminum Bushing Set With Locknut	14.15	5.41
		For Work In Restricted Working Space, Add	*4.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.07*	
26 05 33 13-1405	EA	1-1/2" Aluminum Bushing Set With Locknut	17.32	6.62
		For Work In Restricted Working Space, Add	*4.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.97*	
26 05 33 13-1406	EA	2" Aluminum Bushing Set With Locknut	21.22	7.97
		For Work In Restricted Working Space, Add	*5.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1407		EA	2-1/2" Aluminum Bushing Set With Locknut	26.30	9.47
			For Work In Restricted Working Space, Add	*7.11*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.11*	
26 05 33 13-1408		EA	3" Aluminum Bushing Set With Locknut	30.93	10.84
			For Work In Restricted Working Space, Add	*8.12*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.12*	
26 05 33 13-1409		EA	3-1/2" Aluminum Bushing Set With Locknut	33.44	11.74
			For Work In Restricted Working Space, Add	*8.80*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.80*	
26 05 33 13-1410		EA	4" Aluminum Bushing Set With Locknut	36.52	12.64
			For Work In Restricted Working Space, Add	*9.48*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.48*	
26 05 33 13-1411		EA	5" Aluminum Bushing Set With Locknut	48.29	16.85
			For Work In Restricted Working Space, Add	*12.64*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.64*	
26 05 33 13-1412		EA	6" Aluminum Bushing Set With Locknut	71.65	25.28
			For Work In Restricted Working Space, Add	*18.96*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.96*	

26 05 33 13-1413 Schedule 40 Polyvinyl Chloride (PVC) Conduit *(26 05 33 13-0041)*

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-1414 Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings *(26 05 33 13-1413)*

Note: Includes field bend conduit up to 1".

26 05 33 13-1415		LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings	3.15	1.19
			For Schedule 60, Add	*0.19*	
			For Schedule 80, Add	*0.36*	
26 05 33 13-1416		LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings	3.50	1.31
			For Schedule 60, Add	*0.22*	
			For Schedule 80, Add	*0.41*	
26 05 33 13-1417		LF	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings	4.15	1.53
			For Schedule 60, Add	*0.27*	
			For Schedule 80, Add	*0.50*	
26 05 33 13-1418		LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings	4.80	1.74
			For Schedule 60, Add	*0.33*	
			For Schedule 80, Add	*0.59*	
26 05 33 13-1419		LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings	5.62	2.04
			For Schedule 60, Add	*0.39*	
			For Schedule 80, Add	*0.69*	
26 05 33 13-1420		LF	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings	6.51	2.33
			For Schedule 60, Add	*0.46*	
			For Schedule 80, Add	*0.82*	
26 05 33 13-1421		LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings	8.01	2.76
			For Schedule 60, Add	*0.62*	
			For Schedule 80, Add	*1.07*	
26 05 33 13-1422		LF	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings	9.31	3.21
			For Schedule 60, Add	*0.73*	
			For Schedule 80, Add	*1.26*	
26 05 33 13-1423		LF	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings	11.13	3.79
			For Schedule 60, Add	*0.89*	
			For Schedule 80, Add	*1.53*	
26 05 33 13-1424		LF	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings	13.47	4.66
			For Schedule 60, Add	*1.04*	
			For Schedule 80, Add	*1.80*	
26 05 33 13-1425		LF	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings	19.02	6.55
			For Schedule 60, Add	*1.48*	
			For Schedule 80, Add	*2.56*	
26 05 33 13-1426		LF	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings	25.34	8.73
			For Schedule 60, Add	*1.97*	
			For Schedule 80, Add	*3.41*	

26 05 33 13-1427 Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows *(26 05 33 13-1413)*

See CSI section 26 05 33 13-2167 for conduit field bending.

26 05 33 13-1428		EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2167 for conduit field bending.	15.18	5.83
			For 45 Degree Elbows, Deduct	*-0.04*	
			For Schedule 60, Add	*0.88*	
			For Schedule 80, Add	*1.67*	
26 05 33 13-1429		EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2167 for conduit field bending.	16.72	6.41
			For 45 Degree Elbows, Deduct	*-0.04*	
			For Schedule 60, Add	*0.98*	
			For Schedule 80, Add	*1.85*	
26 05 33 13-1430		EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2167 for conduit field bending.	19.33	7.28
			For 45 Degree Elbows, Deduct	*-0.07*	
			For Schedule 60, Add	*1.19*	
			For Schedule 80, Add	*2.22*	
26 05 33 13-1431		EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2167 for conduit field bending.	24.94	9.32
			For 45 Degree Elbows, Deduct	*-0.10*	
			For Schedule 60, Add	*1.58*	
			For Schedule 80, Add	*2.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1432	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2167 for conduit field bending.	31.35	11.65
		For 45 Degree Elbows, Deduct	*-0.13*	
		For Schedule 60, Add	*2.01*	
		For Schedule 80, Add	*3.69*	
26 05 33 13-1433	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2167 for conduit field bending.	39.36	14.56
		For 45 Degree Elbows, Deduct	*-0.18*	
		For Schedule 60, Add	*2.56*	
		For Schedule 80, Add	*4.68*	
26 05 33 13-1434	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2167 for conduit field bending.	49.23	17.47
		For 45 Degree Elbows, Deduct	*-0.33*	
		For Schedule 60, Add	*3.57*	
		For Schedule 80, Add	*6.31*	
26 05 33 13-1435	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2167 for conduit field bending.	60.30	20.38
		For 45 Degree Elbows, Deduct	*-0.56*	
		For Schedule 60, Add	*4.88*	
		For Schedule 80, Add	*8.36*	
26 05 33 13-1436	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2167 for conduit field bending.	75.01	24.75
		For 45 Degree Elbows, Deduct	*-0.79*	
		For Schedule 60, Add	*6.37*	
		For Schedule 80, Add	*10.78*	
26 05 33 13-1437	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2167 for conduit field bending.	89.72	29.13
		For 45 Degree Elbows, Deduct	*-1.01*	
		For Schedule 60, Add	*7.87*	
		For Schedule 80, Add	*13.20*	
26 05 33 13-1438	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2167 for conduit field bending.	120.24	36.40
		For 45 Degree Elbows, Deduct	*-1.75*	
		For Schedule 60, Add	*11.86*	
		For Schedule 80, Add	*19.33*	
26 05 33 13-1439	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2167 for conduit field bending.	146.52	43.68
		For 45 Degree Elbows, Deduct	*-2.24*	
		For Schedule 60, Add	*14.79*	
		For Schedule 80, Add	*23.98*	

26 05 33 13-1440 Polyvinyl Chloride (PVC) Conduit Adapters *(26 05 33 13-1413)*

26 05 33 13-1441	EA	1/2" Polyvinyl Chloride (PVC) Conduit Adapter	10.48	4.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.06*	
26 05 33 13-1442	EA	3/4" Polyvinyl Chloride (PVC) Conduit Adapter	12.02	4.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.50*	
26 05 33 13-1443	EA	1" Polyvinyl Chloride (PVC) Conduit Adapter	13.61	5.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.93*	
26 05 33 13-1444	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Adapter	15.26	5.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.37*	
26 05 33 13-1445	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Adapter	18.94	7.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.46*	
26 05 33 13-1446	EA	2" Polyvinyl Chloride (PVC) Conduit Adapter	22.85	8.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.56*	
26 05 33 13-1447	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Adapter	31.16	11.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.74*	
26 05 33 13-1448	EA	3" Polyvinyl Chloride (PVC) Conduit Adapter	39.22	14.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.92*	
26 05 33 13-1449	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Adapter	50.94	18.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.20*	
26 05 33 13-1450	EA	4" Polyvinyl Chloride (PVC) Conduit Adapter	61.95	23.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.48*	
26 05 33 13-1451	EA	5" Polyvinyl Chloride (PVC) Conduit Adapter	80.10	29.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.84*	
26 05 33 13-1452	EA	6" Polyvinyl Chloride (PVC) Conduit Adapter	99.77	36.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.31*	

26 05 33 13-1453 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug *(26 05 33 13-1413)*

26 05 33 13-1454	EA	1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	11.22	3.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.62*	
26 05 33 13-1455	EA	3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	12.82	4.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.06*	
26 05 33 13-1456	EA	1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	14.43	4.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.50*	
26 05 33 13-1457	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	16.92	5.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.93*	
26 05 33 13-1458	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	18.80	5.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.37*	
26 05 33 13-1459	EA	2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	22.20	6.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.03*	
26 05 33 13-1460	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	24.89	7.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.68*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1461		EA	3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	28.30	8.73
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.56*	
26 05 33 13-1462		EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	33.41	10.20
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.64*	
26 05 33 13-1463		EA	4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	37.06	11.65
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.74*	
26 05 33 13-1464		EA	5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	44.60	13.10
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.83*	
26 05 33 13-1465		EA	6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	49.74	14.56
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.92*	

26 05 33 13-1466 Polyvinyl Chloride (PVC) Conduit Terminal Adapters *(26 05 33 13-1413)*

26 05 33 13-1467		EA	1/2" Polyvinyl Chloride (PVC) Conduit Terminal Adapter	11.43	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.36*	
26 05 33 13-1468		EA	3/4" Polyvinyl Chloride (PVC) Conduit Terminal Adapter	13.79	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.03*	
26 05 33 13-1469		EA	1" Polyvinyl Chloride (PVC) Conduit Terminal Adapter	15.35	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.47*	
26 05 33 13-1470		EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Terminal Adapter	17.19	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.98*	

26 05 33 13-1471 Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover *(26 05 33 13-1413)*

26 05 33 13-1472		EA	1/2" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	31.98	11.65
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.74*	
26 05 33 13-1473		EA	3/4" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	36.79	13.10
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.83*	
26 05 33 13-1474		EA	1" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	40.82	14.56
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.92*	
26 05 33 13-1475		EA	1-1/4" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	50.00	17.47
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.10*	
26 05 33 13-1476		EA	1-1/2" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	61.97	21.85
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.38*	
26 05 33 13-1477		EA	2" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	78.58	26.21
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.66*	
26 05 33 13-1478		EA	2-1/2" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	123.04	29.13
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.84*	
26 05 33 13-1479		EA	3" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	132.02	32.03
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.03*	
26 05 33 13-1480		EA	3-1/2" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	144.59	36.40
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.31*	
26 05 33 13-1481		EA	4" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	162.52	42.23
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.67*	

26 05 33 13-1482 Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover *(26 05 33 13-1413)*

26 05 33 13-1483		EA	1/2" Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	41.41	15.05
			For Schedule 60, Add	*2.83*	
			For Schedule 80, Add	*5.09*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.29*	
26 05 33 13-1484		EA	3/4" Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	46.08	16.55
			For Schedule 60, Add	*3.24*	
			For Schedule 80, Add	*5.78*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.41*	
26 05 33 13-1485		EA	1" Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	49.90	18.06
			For Schedule 60, Add	*3.45*	
			For Schedule 80, Add	*6.18*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.54*	
26 05 33 13-1486		EA	1-1/4" Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	61.35	21.06
			For Schedule 60, Add	*4.80*	
			For Schedule 80, Add	*8.31*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.80*	
26 05 33 13-1487		EA	1-1/2" Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	74.15	25.58
			For Schedule 60, Add	*5.75*	
			For Schedule 80, Add	*9.97*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.19*	
26 05 33 13-1488		EA	2" Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	90.01	30.10
			For Schedule 60, Add	*7.46*	
			For Schedule 80, Add	*12.70*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.57*	

26 05 33 13-1489 Polyvinyl Chloride (PVC) Conduit Expansion Joint *(26 05 33 13-1413)*

26 05 33 13-1490		EA	1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	61.25	14.56
26 05 33 13-1491		EA	3/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint	69.11	17.47
26 05 33 13-1492		EA	1" Polyvinyl Chloride (PVC) Conduit Expansion Joint	77.37	20.38
26 05 33 13-1493		EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint	85.23	23.30
26 05 33 13-1494		EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	92.92	26.21
26 05 33 13-1495		EA	2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	101.66	29.13
26 05 33 13-1496		EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	122.84	33.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1497	EA	3" Polyvinyl Chloride (PVC) Conduit Expansion Joint	145.49	37.86
26 05 33 13-1498	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	169.84	43.68
26 05 33 13-1499	EA	4" Polyvinyl Chloride (PVC) Conduit Expansion Joint	201.25	50.97
26 05 33 13-1500	EA	5" Polyvinyl Chloride (PVC) Conduit Expansion Joint	260.45	61.16
26 05 33 13-1501	EA	6" Polyvinyl Chloride (PVC) Conduit Expansion Joint	341.29	78.63

26 05 33 13-1502 Polyvinyl Chloride (PVC) Conduit End Caps *(26 05 33 13-1413)*

26 05 33 13-1503	EA	1/2" Polyvinyl Chloride (PVC) Conduit End Cap	8.56	2.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.18*	
26 05 33 13-1504	EA	3/4" Polyvinyl Chloride (PVC) Conduit End Cap	10.13	3.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.62*	
26 05 33 13-1505	EA	1" Polyvinyl Chloride (PVC) Conduit End Cap	11.70	4.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.06*	
26 05 33 13-1506	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit End Cap	13.81	4.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.50*	
26 05 33 13-1507	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit End Cap	15.94	5.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.93*	
26 05 33 13-1508	EA	2" Polyvinyl Chloride (PVC) Conduit End Cap	18.48	5.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.37*	
26 05 33 13-1509	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit End Cap	25.30	6.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.03*	
26 05 33 13-1510	EA	3" Polyvinyl Chloride (PVC) Conduit End Cap	27.86	7.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.68*	
26 05 33 13-1511	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit End Cap	34.76	8.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.34*	
26 05 33 13-1512	EA	4" Polyvinyl Chloride (PVC) Conduit End Cap	41.17	9.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	
26 05 33 13-1513	EA	5" Polyvinyl Chloride (PVC) Conduit End Cap	47.08	10.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.64*	
26 05 33 13-1514	EA	6" Polyvinyl Chloride (PVC) Conduit End Cap	58.68	11.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.74*	

26 05 33 13-1515 Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) *(26 05 33 13-1413)*

26 05 33 13-1516	EA	2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways EZLB200)	83.80	26.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.66*	
26 05 33 13-1517	EA	3/4" To 1-1/4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB121)	81.48	17.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.10*	
26 05 33 13-1518	EA	1-1/2" To 2-1/2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB251)	188.73	29.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.84*	
26 05 33 13-1519	EA	3" To 4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB401)	357.96	42.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.67*	

26 05 33 13-1520 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit *(26 05 33 13-0041)*

Note: Exposed installation. Excludes supporting strap, hanger and fastening.

26 05 33 13-1521 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit *(26 05 33 13-1520)*

26 05 33 13-1522	LF	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	5.25	1.19
26 05 33 13-1523	LF	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	5.83	1.31
26 05 33 13-1524	LF	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	6.53	1.51
26 05 33 13-1525	LF	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	7.22	1.74
26 05 33 13-1526	LF	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	8.18	2.04
26 05 33 13-1527	LF	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	8.99	2.33
26 05 33 13-1528	LF	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	10.71	2.76
26 05 33 13-1529	LF	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	12.55	3.21
26 05 33 13-1530	LF	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	14.58	3.79
26 05 33 13-1531	LF	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	17.33	4.66
26 05 33 13-1532	LF	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	23.47	6.55
26 05 33 13-1533	LF	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	30.72	8.73

26 05 33 13-1534 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-1520)*

26 05 33 13-1535	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	56.48	5.83
		For 24" Radius, Add	*3.87*	
		For 36" Radius, Add	*5.65*	
		For 48" Radius, Add	*7.42*	
26 05 33 13-1536	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	62.95	6.41
		For 24" Radius, Add	*4.32*	
		For 36" Radius, Add	*6.30*	
		For 48" Radius, Add	*8.27*	
26 05 33 13-1537	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	65.61	7.28
		For 24" Radius, Add	*4.47*	
		For 36" Radius, Add	*6.56*	
		For 48" Radius, Add	*8.66*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1538	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	71.17	9.32
		For 24" Radius, Add	*4.76*	
		For 36" Radius, Add	*7.12*	
		For 48" Radius, Add	*9.48*	
26 05 33 13-1539	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	77.48	11.65
		For 24" Radius, Add	*5.08*	
		For 36" Radius, Add	*7.75*	
		For 48" Radius, Add	*10.41*	
26 05 33 13-1540	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	91.42	14.56
		For 24" Radius, Add	*5.95*	
		For 36" Radius, Add	*9.14*	
		For 48" Radius, Add	*12.34*	
26 05 33 13-1541	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	109.53	17.47
		For 24" Radius, Add	*7.12*	
		For 36" Radius, Add	*10.95*	
		For 48" Radius, Add	*14.78*	
26 05 33 13-1542	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	129.99	20.38
		For 24" Radius, Add	*8.48*	
		For 36" Radius, Add	*13.00*	
		For 48" Radius, Add	*17.52*	
26 05 33 13-1543	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	150.79	24.75
		For 24" Radius, Add	*9.76*	
		For 36" Radius, Add	*15.08*	
		For 48" Radius, Add	*20.40*	
26 05 33 13-1544	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	171.58	29.13
		For 24" Radius, Add	*11.05*	
		For 36" Radius, Add	*17.16*	
		For 48" Radius, Add	*23.27*	
26 05 33 13-1545	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	214.49	36.40
		For 24" Radius, Add	*13.81*	
		For 36" Radius, Add	*21.45*	
		For 48" Radius, Add	*29.09*	
26 05 33 13-1546	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	263.56	43.68
		For 24" Radius, Add	*17.04*	
		For 36" Radius, Add	*26.36*	
		For 48" Radius, Add	*35.68*	

26 05 33 13-1547 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-1520)*

26 05 33 13-1548	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	48.94	5.83
		For 24" Radius, Add	*3.31*	
		For 36" Radius, Add	*4.89*	
		For 48" Radius, Add	*6.48*	
26 05 33 13-1549	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	54.51	6.41
		For 24" Radius, Add	*3.69*	
		For 36" Radius, Add	*5.45*	
		For 48" Radius, Add	*7.21*	
26 05 33 13-1550	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	57.08	7.28
		For 24" Radius, Add	*3.83*	
		For 36" Radius, Add	*5.71*	
		For 48" Radius, Add	*7.59*	
26 05 33 13-1551	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	62.56	9.32
		For 24" Radius, Add	*4.11*	
		For 36" Radius, Add	*6.26*	
		For 48" Radius, Add	*8.40*	
26 05 33 13-1552	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	68.78	11.65
		For 24" Radius, Add	*4.43*	
		For 36" Radius, Add	*6.88*	
		For 48" Radius, Add	*9.33*	
26 05 33 13-1553	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	81.51	14.56
		For 24" Radius, Add	*5.20*	
		For 36" Radius, Add	*8.15*	
		For 48" Radius, Add	*11.10*	
26 05 33 13-1554	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	97.68	17.47
		For 24" Radius, Add	*6.23*	
		For 36" Radius, Add	*9.77*	
		For 48" Radius, Add	*13.30*	
26 05 33 13-1555	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	115.77	20.38
		For 24" Radius, Add	*7.41*	
		For 36" Radius, Add	*11.58*	
		For 48" Radius, Add	*15.75*	
26 05 33 13-1556	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	134.79	24.75
		For 24" Radius, Add	*8.56*	
		For 36" Radius, Add	*13.48*	
		For 48" Radius, Add	*18.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1557	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	153.81	29.13
		For 24" Radius, Add	*9.72*	
		For 36" Radius, Add	*15.38*	
		For 48" Radius, Add	*21.05*	
26 05 33 13-1558	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	192.26	36.40
		For 24" Radius, Add	*12.14*	
		For 36" Radius, Add	*19.23*	
		For 48" Radius, Add	*26.31*	
26 05 33 13-1559	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	235.77	43.68
		For 24" Radius, Add	*14.95*	
		For 36" Radius, Add	*23.58*	
		For 48" Radius, Add	*32.20*	

26 05 33 13-1560 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-1520)*

26 05 33 13-1561	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	45.38	5.24
		For 24" Radius, Add	*3.08*	
		For 36" Radius, Add	*4.54*	
		For 48" Radius, Add	*6.00*	
26 05 33 13-1562	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	50.55	5.77
		For 24" Radius, Add	*3.43*	
		For 36" Radius, Add	*5.06*	
		For 48" Radius, Add	*6.68*	
26 05 33 13-1563	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	52.89	6.55
		For 24" Radius, Add	*3.56*	
		For 36" Radius, Add	*5.29*	
		For 48" Radius, Add	*7.02*	
26 05 33 13-1564	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	57.83	8.38
		For 24" Radius, Add	*3.81*	
		For 36" Radius, Add	*5.78*	
		For 48" Radius, Add	*7.75*	
26 05 33 13-1565	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	63.44	10.49
		For 24" Radius, Add	*4.10*	
		For 36" Radius, Add	*6.34*	
		For 48" Radius, Add	*8.59*	
26 05 33 13-1566	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	75.13	13.10
		For 24" Radius, Add	*4.82*	
		For 36" Radius, Add	*7.51*	
		For 48" Radius, Add	*10.21*	
26 05 33 13-1567	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	90.02	15.73
		For 24" Radius, Add	*5.77*	
		For 36" Radius, Add	*9.00*	
		For 48" Radius, Add	*12.24*	
26 05 33 13-1568	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	106.72	18.35
		For 24" Radius, Add	*6.86*	
		For 36" Radius, Add	*10.67*	
		For 48" Radius, Add	*14.49*	
26 05 33 13-1569	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	124.15	22.28
		For 24" Radius, Add	*7.92*	
		For 36" Radius, Add	*12.42*	
		For 48" Radius, Add	*16.91*	
26 05 33 13-1570	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	141.59	26.21
		For 24" Radius, Add	*8.98*	
		For 36" Radius, Add	*14.16*	
		For 48" Radius, Add	*19.34*	
26 05 33 13-1571	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	176.98	32.77
		For 24" Radius, Add	*11.23*	
		For 36" Radius, Add	*17.70*	
		For 48" Radius, Add	*24.17*	
26 05 33 13-1572	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	217.14	39.32
		For 24" Radius, Add	*13.83*	
		For 36" Radius, Add	*21.71*	
		For 48" Radius, Add	*29.60*	

26 05 33 13-1573 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-1520)*

26 05 33 13-1574	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	43.28	5.24
		For 24" Radius, Add	*2.92*	
		For 36" Radius, Add	*4.33*	
		For 48" Radius, Add	*5.74*	
26 05 33 13-1575	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	48.20	5.77
		For 24" Radius, Add	*3.25*	
		For 36" Radius, Add	*4.82*	
		For 48" Radius, Add	*6.39*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1576	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	50.52	6.55
		For 24" Radius, Add	*3.38*	
		For 36" Radius, Add	*5.05*	
		For 48" Radius, Add	*6.72*	
26 05 33 13-1577	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	55.44	8.38
		For 24" Radius, Add	*3.63*	
		For 36" Radius, Add	*5.54*	
		For 48" Radius, Add	*7.45*	
26 05 33 13-1578	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	61.02	10.49
		For 24" Radius, Add	*3.92*	
		For 36" Radius, Add	*6.10*	
		For 48" Radius, Add	*8.28*	
26 05 33 13-1579	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	72.38	13.10
		For 24" Radius, Add	*4.61*	
		For 36" Radius, Add	*7.24*	
		For 48" Radius, Add	*9.87*	
26 05 33 13-1580	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	86.73	15.73
		For 24" Radius, Add	*5.52*	
		For 36" Radius, Add	*8.67*	
		For 48" Radius, Add	*11.82*	
26 05 33 13-1581	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	102.76	18.35
		For 24" Radius, Add	*6.56*	
		For 36" Radius, Add	*10.28*	
		For 48" Radius, Add	*13.99*	
26 05 33 13-1582	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	119.71	22.28
		For 24" Radius, Add	*7.59*	
		For 36" Radius, Add	*11.97*	
		For 48" Radius, Add	*16.36*	
26 05 33 13-1583	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	136.65	26.21
		For 24" Radius, Add	*8.61*	
		For 36" Radius, Add	*13.67*	
		For 48" Radius, Add	*18.72*	
26 05 33 13-1584	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	170.81	32.77
		For 24" Radius, Add	*10.76*	
		For 36" Radius, Add	*17.08*	
		For 48" Radius, Add	*23.40*	
26 05 33 13-1585	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	209.42	39.32
		For 24" Radius, Add	*13.25*	
		For 36" Radius, Add	*20.94*	
		For 48" Radius, Add	*28.64*	

26 05 33 13-1586 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings *(26 05 33 13-1520)*

26 05 33 13-1587	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	27.56	4.08
26 05 33 13-1588	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	30.99	4.66
26 05 33 13-1589	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	32.64	5.24
26 05 33 13-1590	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	34.26	5.83
26 05 33 13-1591	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	38.30	7.28
26 05 33 13-1592	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	45.79	8.73
26 05 33 13-1593	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	57.94	11.65
26 05 33 13-1594	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	70.97	14.56
26 05 33 13-1595	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	86.22	18.93
26 05 33 13-1596	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	101.46	23.30
26 05 33 13-1597	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	126.82	29.13
26 05 33 13-1598	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	158.52	36.40

26 05 33 13-1599 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings *(26 05 33 13-1520)*

26 05 33 13-1600	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	19.99	4.08
26 05 33 13-1601	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	22.53	4.66
26 05 33 13-1602	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	24.10	5.24
26 05 33 13-1603	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	25.67	5.83
26 05 33 13-1604	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	29.43	7.28
26 05 33 13-1605	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	33.14	8.73
26 05 33 13-1606	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	42.68	11.65
26 05 33 13-1607	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	52.67	14.56
26 05 33 13-1608	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	65.63	18.93
26 05 33 13-1609	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	78.58	23.30
26 05 33 13-1610	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	98.24	29.13
26 05 33 13-1611	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	122.79	36.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1612		**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings** *(26 05 33 13-1520)*		
26 05 33 13-1613	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	22.37	3.35
26 05 33 13-1614	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	25.18	4.66
26 05 33 13-1615	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	26.78	5.24
26 05 33 13-1616	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	28.32	5.83
26 05 33 13-1617	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	32.28	7.28
26 05 33 13-1618	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	38.61	8.73
26 05 33 13-1619	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	49.23	11.65
26 05 33 13-1620	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	60.52	14.56
26 05 33 13-1621	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	74.46	18.93
26 05 33 13-1622	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	88.39	23.30
26 05 33 13-1623	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	110.48	29.13
26 05 33 13-1624	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	138.12	36.40
26 05 33 13-1625		**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints** *(26 05 33 13-1520)*		
26 05 33 13-1626	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	49.82	14.56
26 05 33 13-1627	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	58.56	17.47
26 05 33 13-1628	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	66.02	20.38
26 05 33 13-1629	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	73.40	23.30
26 05 33 13-1630	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	81.02	26.21
26 05 33 13-1631	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	91.25	29.13
26 05 33 13-1632	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	105.86	33.50
26 05 33 13-1633	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	121.20	37.86
26 05 33 13-1634	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	139.09	43.68
26 05 33 13-1635	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	160.61	50.97
26 05 33 13-1636	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	187.12	58.25
26 05 33 13-1637	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	215.69	65.53
26 05 33 13-1638		**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints** *(26 05 33 13-1520)*		
26 05 33 13-1639	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	55.26	14.56
26 05 33 13-1640	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	64.67	17.47
26 05 33 13-1641	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	72.16	20.38
26 05 33 13-1642	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	79.60	23.30
26 05 33 13-1643	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	87.28	26.21
26 05 33 13-1644	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	98.39	29.13
26 05 33 13-1645	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	114.43	33.50
26 05 33 13-1646	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	131.49	37.86
26 05 33 13-1647	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	150.67	43.68
26 05 33 13-1648	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	173.48	50.97
26 05 33 13-1649	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	203.25	58.25
26 05 33 13-1650	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	235.85	65.53
26 05 33 13-1651		**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters** *(26 05 33 13-1520)*		
26 05 33 13-1652	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	55.06	4.08
26 05 33 13-1653	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	61.48	4.66
26 05 33 13-1654	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	64.46	5.24
26 05 33 13-1655	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	67.52	5.83
26 05 33 13-1656	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	71.98	7.28
26 05 33 13-1657	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	80.75	8.73
26 05 33 13-1658	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	99.82	11.65
26 05 33 13-1659	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	121.18	14.56
26 05 33 13-1660	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	142.71	18.93
26 05 33 13-1661	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	164.24	23.30
26 05 33 13-1662	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	205.33	29.13
26 05 33 13-1663	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	255.64	36.40
26 05 33 13-1664		**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints** *(26 05 33 13-1520)*		
26 05 33 13-1665	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	64.74	14.56
26 05 33 13-1666	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	75.17	17.47
26 05 33 13-1667	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	89.87	20.38
26 05 33 13-1668	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	110.70	23.30
26 05 33 13-1669	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	137.43	26.21
26 05 33 13-1670	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	179.38	29.13
26 05 33 13-1671	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	251.42	33.50
26 05 33 13-1672	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	302.58	37.86
26 05 33 13-1673	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	364.94	43.68
26 05 33 13-1674	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	430.94	50.97
26 05 33 13-1675	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	506.16	58.25
26 05 33 13-1676	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	775.89	65.53

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1677		Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover *(26 05 33 13-1520)*		
26 05 33 13-1678	EA	1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover	54.22	11.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.74*	
26 05 33 13-1679	EA	3/4" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover	62.69	13.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.83*	
26 05 33 13-1680	EA	1" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover	82.01	14.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.92*	
26 05 33 13-1681	EA	1-1/4" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover	100.02	17.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.10*	
26 05 33 13-1682	EA	1-1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover	127.05	21.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.38*	
26 05 33 13-1683	EA	2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover	172.85	26.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.66*	
26 05 33 13-1684	EA	2-1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover	277.68	30.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.94*	
26 05 33 13-1685	EA	3" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover	355.68	34.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.21*	
26 05 33 13-1686	EA	3-1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover	427.24	40.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.58*	
26 05 33 13-1687	EA	4" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover	498.83	46.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.95*	
26 05 33 13-1688	EA	5" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover	587.17	52.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.32*	
26 05 33 13-1689	EA	6" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover	665.46	58.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.69*	
26 05 33 13-1690		Explosion Proof Conduit Fittings *(26 05 33 13-0041)*		
		Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT) and Intermediate Metal Conduit (IMC) conduit.		
26 05 33 13-1691		Explosion Proof Malleable Iron Conduit Unions *(26 05 33 13-1690)*		
26 05 33 13-1692	EA	1/2" Explosion Proof Malleable Iron Conduit Union	35.11	6.26
26 05 33 13-1693	EA	3/4" Explosion Proof Malleable Iron Conduit Union	43.99	6.93
26 05 33 13-1694	EA	1" Explosion Proof Malleable Iron Conduit Union	71.41	9.24
26 05 33 13-1695	EA	1-1/4" Explosion Proof Malleable Iron Conduit Union	98.34	10.22
26 05 33 13-1696	EA	1-1/2" Explosion Proof Malleable Iron Conduit Union	124.68	12.53
26 05 33 13-1697	EA	2" Explosion Proof Malleable Iron Conduit Union	156.27	14.51
26 05 33 13-1698	EA	2-1/2" Explosion Proof Malleable Iron Conduit Union	221.18	20.74
26 05 33 13-1699	EA	3" Explosion Proof Malleable Iron Conduit Union	310.64	24.69
26 05 33 13-1700	EA	3-1/2" Explosion Proof Malleable Iron Conduit Union	485.32	29.63
26 05 33 13-1701	EA	4" Explosion Proof Malleable Iron Conduit Union	531.05	37.86
26 05 33 13-1702		Explosion Proof Malleable Iron Hub Bodies *(26 05 33 13-1690)*		
26 05 33 13-1703	EA	1/2" Explosion Proof Malleable Iron Two Hub Body	70.32	19.79
26 05 33 13-1704	EA	3/4" Explosion Proof Malleable Iron Two Hub Body	84.88	22.42
26 05 33 13-1705	EA	1" Explosion Proof Malleable Iron Two Hub Body	93.86	24.73
26 05 33 13-1706	EA	1/2" Explosion Proof Malleable Iron Three Hub Body	92.35	24.73
26 05 33 13-1707	EA	3/4" Explosion Proof Malleable Iron Three Hub Body	110.12	29.68
26 05 33 13-1708	EA	1" Explosion Proof Malleable Iron Three Hub Body	123.80	33.96
26 05 33 13-1709		Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical *(26 05 33 13-1690)*		
26 05 33 13-1710	EA	1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	70.36	16.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.36*	
26 05 33 13-1711	EA	3/4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	80.35	18.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.85*	
26 05 33 13-1712	EA	1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	94.44	20.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.08*	
26 05 33 13-1713	EA	1-1/4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	115.14	24.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.55*	
26 05 33 13-1714	EA	1-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	153.35	29.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.76*	
26 05 33 13-1715	EA	2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	187.42	32.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.73*	
26 05 33 13-1716	EA	2-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	284.86	49.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1717	EA	3" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	353.61	61.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.41*	
26 05 33 13-1718	EA	3-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	751.58	68.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.11*	
26 05 33 13-1719	EA	4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	1,016.04	74.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.55*	

26 05 33 13-1720 Explosion Proof Flexible Conduit Couplings *(26 05 33 13-1690)*

26 05 33 13-1721	EA	1/2" x 12" Explosion Proof Flexible Conduit Coupling	366.65	7.58
26 05 33 13-1722	EA	3/4" x 15" Explosion Proof Flexible Conduit Coupling	513.24	8.57

26 05 33 13-1723 Conduit Installed Below Grade *(26 05 33 13-0040)*

Note: By direct burial In trench or in concrete slabs or duct banks. Excludes trenching, backfilling and concrete.

26 05 33 13-1724 Schedule 40 Polyvinyl Chloride (PVC) Conduit, Direct Burial *(26 05 33 13-1723)*

26 05 33 13-1725 Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial *(26 05 33 13-1724)*

Note: Includes field bend conduit up to 1".

26 05 33 13-1726	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	2.52	
		For Schedule 60, Add	*0.16*	
		For Schedule 80, Add	*0.29*	
26 05 33 13-1727	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	2.76	
		For Schedule 60, Add	*0.18*	
		For Schedule 80, Add	*0.33*	
26 05 33 13-1728	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	3.05	
		For Schedule 60, Add	*0.22*	
		For Schedule 80, Add	*0.39*	
26 05 33 13-1729	LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	3.34	
		For Schedule 60, Add	*0.25*	
		For Schedule 80, Add	*0.44*	
26 05 33 13-1730	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	3.62	
		For Schedule 60, Add	*0.29*	
		For Schedule 80, Add	*0.49*	
26 05 33 13-1731	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	3.96	
		For Schedule 60, Add	*0.33*	
		For Schedule 80, Add	*0.57*	
26 05 33 13-1732	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	4.55	
		For Schedule 60, Add	*0.45*	
		For Schedule 80, Add	*0.73*	
26 05 33 13-1733	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	4.94	
		For Schedule 60, Add	*0.51*	
		For Schedule 80, Add	*0.82*	
26 05 33 13-1734	LF	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	5.49	
		For Schedule 60, Add	*0.61*	
		For Schedule 80, Add	*0.96*	
26 05 33 13-1735	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	5.83	
		For Schedule 60, Add	*0.66*	
		For Schedule 80, Add	*1.04*	
26 05 33 13-1736	LF	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	6.83	
		For Schedule 60, Add	*0.87*	
		For Schedule 80, Add	*1.34*	
26 05 33 13-1737	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	7.86	
		For Schedule 60, Add	*1.09*	
		For Schedule 80, Add	*1.66*	

26 05 33 13-1738 Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows, Direct Burial *(26 05 33 13-1724)*

See CSI section 26 05 33 13-2167 for conduit field bending.

26 05 33 13-1739	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	18.82	
		For 45 Degree Elbows, Deduct	*-0.04*	
		For Schedule 60, Add	*1.07*	
		For Schedule 80, Add	*2.04*	
26 05 33 13-1740	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	22.55	
		For 45 Degree Elbows, Deduct	*-0.04*	
		For Schedule 60, Add	*1.27*	
		For Schedule 80, Add	*2.43*	
26 05 33 13-1741	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	26.61	
		For 45 Degree Elbows, Deduct	*-0.07*	
		For Schedule 60, Add	*1.56*	
		For Schedule 80, Add	*2.94*	
26 05 33 13-1742	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	30.77	
		For 45 Degree Elbows, Deduct	*-0.10*	
		For Schedule 60, Add	*1.87*	
		For Schedule 80, Add	*3.49*	
26 05 33 13-1743	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	34.99	
		For 45 Degree Elbows, Deduct	*-0.13*	
		For Schedule 60, Add	*2.19*	
		For Schedule 80, Add	*4.05*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1744	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	39.36	
		For 45 Degree Elbows, Deduct	*-0.18*	
		For Schedule 60, Add	*2.56*	
		For Schedule 80, Add	*4.68*	
26 05 33 13-1745	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	45.60	
		For 45 Degree Elbows, Deduct	*-0.33*	
		For Schedule 60, Add	*3.39*	
		For Schedule 80, Add	*5.95*	
26 05 33 13-1746	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	53.01	
		For 45 Degree Elbows, Deduct	*-0.56*	
		For Schedule 60, Add	*4.52*	
		For Schedule 80, Add	*7.63*	
26 05 33 13-1747	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	64.09	
		For 45 Degree Elbows, Deduct	*-0.79*	
		For Schedule 60, Add	*5.83*	
		For Schedule 80, Add	*9.69*	
26 05 33 13-1748	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	75.16	
		For 45 Degree Elbows, Deduct	*-1.01*	
		For Schedule 60, Add	*7.14*	
		For Schedule 80, Add	*11.74*	
26 05 33 13-1749	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	94.75	
		For 45 Degree Elbows, Deduct	*-1.75*	
		For Schedule 60, Add	*10.58*	
		For Schedule 80, Add	*16.78*	
26 05 33 13-1750	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	110.11	
		For 45 Degree Elbows, Deduct	*-2.24*	
		For Schedule 60, Add	*12.97*	
		For Schedule 80, Add	*20.34*	

26 05 33 13-1751 Polyvinyl Chloride (PVC) Conduit Adapters, Direct Burial *(26 05 33 13-1724)*

26 05 33 13-1752	EA	1/2" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	10.48	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.06*	
26 05 33 13-1753	EA	3/4" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	12.02	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.50*	
26 05 33 13-1754	EA	1" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	13.61	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.93*	
26 05 33 13-1755	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	15.26	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.37*	
26 05 33 13-1756	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	16.76	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 05 33 13-1757	EA	2" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	18.47	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.24*	
26 05 33 13-1758	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	21.69	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
26 05 33 13-1759	EA	3" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	24.67	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.56*	
26 05 33 13-1760	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	29.09	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.64*	
26 05 33 13-1761	EA	4" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	32.83	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.74*	
26 05 33 13-1762	EA	5" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	40.06	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.83*	
26 05 33 13-1763	EA	6" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	45.15	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.92*	

26 05 33 13-1764 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug, Direct Burial *(26 05 33 13-1724)*

26 05 33 13-1765	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	18.38
26 05 33 13-1766	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	20.26
26 05 33 13-1767	EA	2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	22.92
26 05 33 13-1768	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	25.62
26 05 33 13-1769	EA	3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	28.30
26 05 33 13-1770	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	33.41
26 05 33 13-1771	EA	4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	37.06
26 05 33 13-1772	EA	5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	44.60
26 05 33 13-1773	EA	6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	49.74

26 05 33 13-1774 Polyvinyl Chloride (PVC) Conduit Terminal Adapters, Direct Burial *(26 05 33 13-1724)*

26 05 33 13-1775	EA	1/2" Polyvinyl Chloride (PVC) Conduit Terminal Adapters, Direct Burial	10.43
26 05 33 13-1776	EA	3/4" Polyvinyl Chloride (PVC) Conduit Terminal Adapters, Direct Burial	12.02
26 05 33 13-1777	EA	1" Polyvinyl Chloride (PVC) Conduit Terminal Adapters, Direct Burial	13.54
26 05 33 13-1778	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Terminal Adapters, Direct Burial	15.14
26 05 33 13-1779	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial	16.65
26 05 33 13-1780	EA	2" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial	18.33
26 05 33 13-1781	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial	21.39
26 05 33 13-1782	EA	3" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial	24.25
26 05 33 13-1783	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial	28.56
26 05 33 13-1784	EA	4" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial	32.28
26 05 33 13-1785	EA	5" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial	38.98
26 05 33 13-1786	EA	6" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial	43.86

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1787			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial *(26 05 33 13-1723)* Note: 40 mil Polyvinyl Chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney).		
26 05 33 13-1788			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial *(26 05 33 13-1787)* Note: Includes field bending for conduit up to 1".		
26 05 33 13-1789	LF		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	8.42	1.58
			For >250 To 500, Deduct	*-0.32*	
			For >500 To 1,000, Deduct	*-0.53*	
			For >1,000, Deduct	*-0.74*	
26 05 33 13-1790	LF		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	9.47	1.96
			For >250 To 500, Deduct	*-0.36*	
			For >500 To 1,000, Deduct	*-0.60*	
			For >1,000, Deduct	*-0.83*	
26 05 33 13-1791	LF		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	11.68	2.19
			For >250 To 500, Deduct	*-0.45*	
			For >500 To 1,000, Deduct	*-0.74*	
			For >1,000, Deduct	*-1.04*	
26 05 33 13-1792	LF		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	14.16	2.94
			For >250 To 500, Deduct	*-0.56*	
			For >500 To 1,000, Deduct	*-0.91*	
			For >1,000, Deduct	*-1.27*	
26 05 33 13-1793	LF		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	16.67	3.31
			For >250 To 500, Deduct	*-0.66*	
			For >500 To 1,000, Deduct	*-1.08*	
			For >1,000, Deduct	*-1.50*	
26 05 33 13-1794	LF		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	21.17	3.61
			For >250 To 500, Deduct	*-0.85*	
			For >500 To 1,000, Deduct	*-1.38*	
			For >1,000, Deduct	*-1.91*	
26 05 33 13-1795	LF		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	30.85	5.41
			For >250 To 500, Deduct	*-1.26*	
			For >500 To 1,000, Deduct	*-2.03*	
			For >1,000, Deduct	*-2.80*	
26 05 33 13-1796	LF		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	39.71	6.77
			For >250 To 500, Deduct	*-1.61*	
			For >500 To 1,000, Deduct	*-2.60*	
			For >1,000, Deduct	*-3.59*	
26 05 33 13-1797	LF		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	48.98	7.15
			For >250 To 500, Deduct	*-1.98*	
			For >500 To 1,000, Deduct	*-3.20*	
			For >1,000, Deduct	*-4.43*	
26 05 33 13-1798	LF		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	58.13	7.90
			For >250 To 500, Deduct	*-2.34*	
			For >500 To 1,000, Deduct	*-3.80*	
			For >1,000, Deduct	*-5.25*	
26 05 33 13-1799	LF		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	91.60	10.91
			For >250 To 500, Deduct	*-3.87*	
			For >500 To 1,000, Deduct	*-6.16*	
			For >1,000, Deduct	*-8.45*	
26 05 33 13-1800	LF		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	122.48	14.30
			For >250 To 500, Deduct	*-5.22*	
			For >500 To 1,000, Deduct	*-8.28*	
			For >1,000, Deduct	*-11.35*	
26 05 33 13-1801			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings, Direct Burial *(26 05 33 13-1787)*		
26 05 33 13-1802	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	9.03	2.26
26 05 33 13-1803	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	10.76	3.01
26 05 33 13-1804	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	13.68	3.76
26 05 33 13-1805	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	15.44	4.14
26 05 33 13-1806	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	18.32	4.89
26 05 33 13-1807	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	23.77	5.64
26 05 33 13-1808	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	44.43	6.77
26 05 33 13-1809	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	56.31	9.40
26 05 33 13-1810	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	69.93	10.91
26 05 33 13-1811	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	86.35	15.05
26 05 33 13-1812	EA		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	224.69	20.69
26 05 33 13-1813	EA		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	228.09	11.66
26 05 33 13-1814			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows, Direct Burial *(26 05 33 13-1787)* Note: 90, 45, or 30 degree.		
26 05 33 13-1815	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	34.65	9.40
26 05 33 13-1816	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	39.77	11.66

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1817	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	47.44	14.30
26 05 33 13-1818	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	56.29	16.55
26 05 33 13-1819	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	66.10	18.81
26 05 33 13-1820	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	81.13	20.69
26 05 33 13-1821	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	126.81	25.96
26 05 33 13-1822	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	190.40	35.36
26 05 33 13-1823	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	236.79	39.87
26 05 33 13-1824	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	269.82	51.91
26 05 33 13-1825	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	569.32	84.64
26 05 33 13-1826	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	897.31	127.14
26 05 33 13-1827		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows, Direct Burial *(26 05 33 13-1787)*		
26 05 33 13-1828	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	84.78	14.30
26 05 33 13-1829	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	95.27	16.55
26 05 33 13-1830	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	108.78	18.81
26 05 33 13-1831	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	130.38	20.69
26 05 33 13-1832	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	182.55	25.96
26 05 33 13-1833		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows, Direct Burial *(26 05 33 13-1787)*		
26 05 33 13-1834	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	94.88	14.30
26 05 33 13-1835	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	111.96	16.55
26 05 33 13-1836	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	120.75	18.81
26 05 33 13-1837	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	156.47	20.69
26 05 33 13-1838	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	207.70	25.96
26 05 33 13-1839	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	265.00	35.36
26 05 33 13-1840		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows, Direct Burial *(26 05 33 13-1787)*		
26 05 33 13-1841	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	106.95	14.30
26 05 33 13-1842	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	120.65	16.55
26 05 33 13-1843	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	136.10	18.81
26 05 33 13-1844	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	165.12	20.69
26 05 33 13-1845	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	236.61	25.96
26 05 33 13-1846	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	298.94	35.36
26 05 33 13-1847	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	378.91	39.87
26 05 33 13-1848	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	424.66	51.91
26 05 33 13-1849		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows, Direct Burial *(26 05 33 13-1787)*		
26 05 33 13-1850	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	127.81	14.30
26 05 33 13-1851	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	141.05	16.55
26 05 33 13-1852	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	159.26	18.81
26 05 33 13-1853	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	198.47	20.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1854	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	288.34	25.96
26 05 33 13-1855	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	356.44	35.36
26 05 33 13-1856	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	414.02	39.87
26 05 33 13-1857	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	489.11	51.91
26 05 33 13-1858		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows, Direct Burial *(26 05 33 13-1787)*		
26 05 33 13-1859	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	144.03	14.30
26 05 33 13-1860	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	160.03	16.55
26 05 33 13-1861	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	182.05	18.81
26 05 33 13-1862	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	227.50	20.69
26 05 33 13-1863	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	316.57	25.96
26 05 33 13-1864	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	402.43	35.36
26 05 33 13-1865	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	499.38	39.87
26 05 33 13-1866	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	548.28	51.91
26 05 33 13-1867	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	914.71	84.64
26 05 33 13-1868		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows, Direct Burial *(26 05 33 13-1787)*		
26 05 33 13-1869	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	165.26	14.30
26 05 33 13-1870	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	182.98	16.55
26 05 33 13-1871	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	207.04	18.81
26 05 33 13-1872	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	259.70	20.69
26 05 33 13-1873	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	363.61	25.96
26 05 33 13-1874	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	461.02	35.36
26 05 33 13-1875	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	542.15	39.87
26 05 33 13-1876	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	624.65	51.91
26 05 33 13-1877	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	968.24	84.64
26 05 33 13-1878	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	1,320.27	127.14
26 05 33 13-1879		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows, Direct Burial *(26 05 33 13-1787)*		
26 05 33 13-1880	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	194.80	14.30
26 05 33 13-1881	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	203.43	16.55
26 05 33 13-1882	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	240.48	18.81
26 05 33 13-1883	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	304.52	20.69
26 05 33 13-1884	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	427.03	25.96
26 05 33 13-1885	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	540.02	35.36
26 05 33 13-1886	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	661.06	39.87
26 05 33 13-1887	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	773.24	51.91
26 05 33 13-1888	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	1,142.84	84.64
26 05 33 13-1889	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	1,400.42	127.14
26 05 33 13-1890		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows, Direct Burial *(26 05 33 13-1787)*		

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1891	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	201.92	14.30
26 05 33 13-1892	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	238.02	16.55
26 05 33 13-1893	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	269.41	18.81
26 05 33 13-1894	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	318.01	20.69
26 05 33 13-1895	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	442.87	25.96
26 05 33 13-1896	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	564.31	35.36
26 05 33 13-1897	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	725.82	39.87
26 05 33 13-1898	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	806.94	51.91
26 05 33 13-1899	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	1,189.74	84.64
26 05 33 13-1900	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	1,441.14	127.14
26 05 33 13-1901		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions, Direct Burial** *(26 05 33 13-1787)*		
26 05 33 13-1902	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	66.03	9.40
26 05 33 13-1903	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	71.40	11.66
26 05 33 13-1904	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	93.03	14.30
26 05 33 13-1905	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	136.84	16.55
26 05 33 13-1906	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	162.73	18.81
26 05 33 13-1907	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	208.11	20.69
26 05 33 13-1908	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	277.64	25.96
26 05 33 13-1909	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	363.11	25.96
26 05 33 13-1910	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	465.77	39.87
26 05 33 13-1911	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	599.48	51.91
26 05 33 13-1912	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	1,095.73	84.64
26 05 33 13-1913	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	1,357.68	127.14
26 05 33 13-1914		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions, Direct Burial** *(26 05 33 13-1787)*		
26 05 33 13-1915	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	67.62	9.40
26 05 33 13-1916	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	77.47	11.66
26 05 33 13-1917	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	96.27	14.30
26 05 33 13-1918	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	142.78	16.55
26 05 33 13-1919	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	170.98	18.81
26 05 33 13-1920	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	225.93	20.69
26 05 33 13-1921	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	315.77	25.96
26 05 33 13-1922	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	401.88	25.96
26 05 33 13-1923	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	535.86	39.87
26 05 33 13-1924	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	669.31	51.91
26 05 33 13-1925	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	1,223.73	84.64
26 05 33 13-1926	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	1,564.37	127.14
26 05 33 13-1927		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples, Direct Burial** *(26 05 33 13-1787)*		
26 05 33 13-1928	EA	1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	22.41	4.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1929	EA	3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	24.94	5.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.39*	
26 05 33 13-1930	EA	1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	28.70	7.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.29*	
26 05 33 13-1931	EA	1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	34.26	8.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.97*	
26 05 33 13-1932	EA	1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.10	9.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.64*	
26 05 33 13-1933	EA	1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	24.90	4.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.94*	
26 05 33 13-1934	EA	3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	26.77	5.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.39*	
26 05 33 13-1935	EA	1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	30.55	7.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.29*	
26 05 33 13-1936	EA	1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	36.22	8.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.97*	
26 05 33 13-1937	EA	1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.21	9.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.64*	
26 05 33 13-1938	EA	2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.37	10.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.32*	
26 05 33 13-1939	EA	1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	25.02	4.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.93*	
26 05 33 13-1940	EA	3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	26.88	5.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.38*	
26 05 33 13-1941	EA	1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	30.78	7.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.29*	
26 05 33 13-1942	EA	1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	36.47	8.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.97*	
26 05 33 13-1943	EA	1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.46	9.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.64*	
26 05 33 13-1944	EA	2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.03	10.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.32*	
26 05 33 13-1945	EA	1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	26.76	4.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.93*	
26 05 33 13-1946	EA	3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	28.62	5.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.38*	
26 05 33 13-1947	EA	1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	32.65	7.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.29*	
26 05 33 13-1948	EA	1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.53	8.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.97*	
26 05 33 13-1949	EA	1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.63	9.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.64*	
26 05 33 13-1950	EA	2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.08	10.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.32*	
26 05 33 13-1951	EA	2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	63.70	12.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.67*	
26 05 33 13-1952	EA	3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	82.01	17.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.61*	
26 05 33 13-1953	EA	1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	26.88	4.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.93*	
26 05 33 13-1954	EA	3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	28.86	5.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.38*	
26 05 33 13-1955	EA	1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	32.91	7.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.29*	
26 05 33 13-1956	EA	1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	38.59	8.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.97*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1957	EA	1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	41.81	9.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.64*	
26 05 33 13-1958	EA	2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	47.13	10.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.32*	
26 05 33 13-1959	EA	2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	65.52	12.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.67*	
26 05 33 13-1960	EA	3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	85.91	17.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.61*	
26 05 33 13-1961	EA	3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	102.91	19.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.96*	
26 05 33 13-1962	EA	4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	119.35	25.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.57*	
26 05 33 13-1963	EA	1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	27.12	4.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.93*	
26 05 33 13-1964	EA	3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	29.12	5.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.38*	
26 05 33 13-1965	EA	1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	33.18	7.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.29*	
26 05 33 13-1966	EA	1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.09	8.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.97*	
26 05 33 13-1967	EA	1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.32	9.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.64*	
26 05 33 13-1968	EA	2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	48.25	10.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.32*	
26 05 33 13-1969	EA	2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	72.72	12.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.67*	
26 05 33 13-1970	EA	3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	91.74	17.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.61*	
26 05 33 13-1971	EA	3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	104.16	19.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.96*	
26 05 33 13-1972	EA	4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	122.68	25.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.57*	
26 05 33 13-1973	EA	5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	181.55	35.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.44*	
26 05 33 13-1974	EA	1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	27.58	4.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.93*	
26 05 33 13-1975	EA	3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	29.57	5.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.38*	
26 05 33 13-1976	EA	1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	33.67	7.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.29*	
26 05 33 13-1977	EA	1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.00	8.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.97*	
26 05 33 13-1978	EA	1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.42	9.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.64*	
26 05 33 13-1979	EA	2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	49.36	10.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.32*	
26 05 33 13-1980	EA	2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	80.04	12.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.67*	
26 05 33 13-1981	EA	3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	99.50	17.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.61*	
26 05 33 13-1982	EA	3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	111.14	19.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.96*	
26 05 33 13-1983	EA	4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	134.46	25.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.57*	
26 05 33 13-1984	EA	5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	199.17	35.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1985	EA	1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	28.29	4.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.93*	
26 05 33 13-1986	EA	3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	30.27	5.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.38*	
26 05 33 13-1987	EA	1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	34.77	7.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.29*	
26 05 33 13-1988	EA	1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.24	8.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.97*	
26 05 33 13-1989	EA	1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.65	9.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.64*	
26 05 33 13-1990	EA	2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	54.81	10.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.32*	
26 05 33 13-1991	EA	2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	89.04	12.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.67*	
26 05 33 13-1992	EA	3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	110.11	17.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.61*	
26 05 33 13-1993	EA	3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	128.63	19.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.96*	
26 05 33 13-1994	EA	4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	152.15	25.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.57*	
26 05 33 13-1995	EA	5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	211.25	35.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.44*	
26 05 33 13-1996	EA	1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	29.04	4.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.93*	
26 05 33 13-1997	EA	3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	31.00	5.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.38*	
26 05 33 13-1998	EA	1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	35.85	7.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.29*	
26 05 33 13-1999	EA	1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.53	8.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.97*	
26 05 33 13-2000	EA	1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	50.95	9.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.64*	
26 05 33 13-2001	EA	2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	62.83	10.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.32*	
26 05 33 13-2002	EA	2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	98.56	12.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.67*	
26 05 33 13-2003	EA	3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	123.70	17.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.61*	
26 05 33 13-2004	EA	3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	147.00	19.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.96*	
26 05 33 13-2005	EA	4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	183.11	25.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.57*	
26 05 33 13-2006	EA	5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	235.34	35.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.44*	
26 05 33 13-2007	EA	1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	29.81	4.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.93*	
26 05 33 13-2008	EA	3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	31.86	5.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.38*	
26 05 33 13-2009	EA	1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	38.59	7.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.29*	
26 05 33 13-2010	EA	1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	48.95	8.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.97*	
26 05 33 13-2011	EA	1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	57.37	9.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.64*	
26 05 33 13-2012	EA	2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	69.26	10.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.32*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2013		EA	2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	111.25	12.79
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.67*	
26 05 33 13-2014		EA	3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	144.08	17.68
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.61*	
26 05 33 13-2015		EA	3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	158.27	19.94
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.96*	
26 05 33 13-2016		EA	4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	192.60	25.96
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.57*	
26 05 33 13-2017		EA	5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	238.78	35.73
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.44*	

26 05 33 13-2018 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit *(26 05 33 13-1723)*

Note: Direct burial or encased application.

26 05 33 13-2019 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit *(26 05 33 13-2018)*

26 05 33 13-2020		LF	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	4.62	0.94
			For Work In Restricted Working Space, Add	*0.71*	
26 05 33 13-2021		LF	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	5.09	1.02
			For Work In Restricted Working Space, Add	*0.76*	
26 05 33 13-2022		LF	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	5.43	1.09
			For Work In Restricted Working Space, Add	*0.82*	
26 05 33 13-2023		LF	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	5.76	1.16
			For Work In Restricted Working Space, Add	*0.87*	
26 05 33 13-2024		LF	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	6.18	1.24
			For Work In Restricted Working Space, Add	*0.93*	
26 05 33 13-2025		LF	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	6.44	1.31
			For Work In Restricted Working Space, Add	*0.98*	
26 05 33 13-2026		LF	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	7.25	1.38
			For Work In Restricted Working Space, Add	*1.04*	
26 05 33 13-2027		LF	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	8.18	1.45
			For Work In Restricted Working Space, Add	*1.09*	
26 05 33 13-2028		LF	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	8.94	1.53
			For Work In Restricted Working Space, Add	*1.15*	
26 05 33 13-2029		LF	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	9.69	1.60
			For Work In Restricted Working Space, Add	*1.20*	
26 05 33 13-2030		LF	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	11.28	1.67
			For Work In Restricted Working Space, Add	*1.26*	
26 05 33 13-2031		LF	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	13.24	1.74
			For Work In Restricted Working Space, Add	*1.31*	

26 05 33 13-2032 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-2018)*

26 05 33 13-2033		EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	60.12	7.28
			For Work In Restricted Working Space, Add	*5.46*	
			For 24" Radius, Add	*4.05*	
			For 36" Radius, Add	*6.01*	
			For 48" Radius, Add	*7.97*	
26 05 33 13-2034		EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	68.78	8.73
			For Work In Restricted Working Space, Add	*6.56*	
			For 24" Radius, Add	*4.61*	
			For 36" Radius, Add	*6.88*	
			For 48" Radius, Add	*9.14*	
26 05 33 13-2035		EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	72.89	10.20
			For Work In Restricted Working Space, Add	*7.64*	
			For 24" Radius, Add	*4.83*	
			For 36" Radius, Add	*7.29*	
			For 48" Radius, Add	*9.75*	
26 05 33 13-2036		EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	77.00	11.65
			For Work In Restricted Working Space, Add	*8.74*	
			For 24" Radius, Add	*5.05*	
			For 36" Radius, Add	*7.70*	
			For 48" Radius, Add	*10.35*	
26 05 33 13-2037		EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	81.12	13.10
			For Work In Restricted Working Space, Add	*9.83*	
			For 24" Radius, Add	*5.26*	
			For 36" Radius, Add	*8.11*	
			For 48" Radius, Add	*10.96*	
26 05 33 13-2038		EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	91.42	14.56
			For Work In Restricted Working Space, Add	*10.92*	
			For 24" Radius, Add	*5.95*	
			For 36" Radius, Add	*9.14*	
			For 48" Radius, Add	*12.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2039	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	105.90	16.02
		For Work In Restricted Working Space, Add	*12.02*	
		For 24" Radius, Add	*6.94*	
		For 36" Radius, Add	*10.59*	
		For 48" Radius, Add	*14.24*	
26 05 33 13-2040	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	122.70	17.47
		For Work In Restricted Working Space, Add	*13.10*	
		For 24" Radius, Add	*8.11*	
		For 36" Radius, Add	*12.27*	
		For 48" Radius, Add	*16.43*	
26 05 33 13-2041	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	139.87	20.38
		For Work In Restricted Working Space, Add	*15.29*	
		For 24" Radius, Add	*9.22*	
		For 36" Radius, Add	*13.99*	
		For 48" Radius, Add	*18.76*	
26 05 33 13-2042	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	157.02	26.21
		For Work In Restricted Working Space, Add	*17.48*	
		For 24" Radius, Add	*10.32*	
		For 36" Radius, Add	*15.70*	
		For 48" Radius, Add	*21.08*	
26 05 33 13-2043	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	189.00	26.21
		For Work In Restricted Working Space, Add	*19.66*	
		For 24" Radius, Add	*12.54*	
		For 36" Radius, Add	*18.90*	
		For 48" Radius, Add	*25.26*	
26 05 33 13-2044	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	227.15	29.13
		For Work In Restricted Working Space, Add	*21.84*	
		For 24" Radius, Add	*15.22*	
		For 36" Radius, Add	*22.72*	
		For 48" Radius, Add	*30.21*	

26 05 33 13-2045 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings *(26 05 33 13-2018)*

26 05 33 13-2046	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	27.56	4.08
		For Work In Restricted Working Space, Add	*3.06*	
26 05 33 13-2047	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	30.99	4.66
		For Work In Restricted Working Space, Add	*3.50*	
26 05 33 13-2048	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	32.64	5.24
		For Work In Restricted Working Space, Add	*3.93*	
26 05 33 13-2049	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	34.26	5.83
		For Work In Restricted Working Space, Add	*4.37*	
26 05 33 13-2050	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	36.12	6.41
		For Work In Restricted Working Space, Add	*4.81*	
26 05 33 13-2051	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	41.41	6.99
		For Work In Restricted Working Space, Add	*5.24*	
26 05 33 13-2052	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	48.47	7.86
		For Work In Restricted Working Space, Add	*5.90*	
26 05 33 13-2053	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	56.42	8.73
		For Work In Restricted Working Space, Add	*6.56*	
26 05 33 13-2054	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	64.37	10.20
		For Work In Restricted Working Space, Add	*7.64*	
26 05 33 13-2055	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	72.34	11.65
		For Work In Restricted Working Space, Add	*8.74*	
26 05 33 13-2056	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	86.78	13.10
		For Work In Restricted Working Space, Add	*9.83*	
26 05 33 13-2057	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	103.90	14.56
		For Work In Restricted Working Space, Add	*10.92*	

26 05 33 13-2058 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings *(26 05 33 13-2018)*

26 05 33 13-2059	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	19.99	4.08
		For Work In Restricted Working Space, Add	*3.06*	
26 05 33 13-2060	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	22.53	4.66
		For Work In Restricted Working Space, Add	*3.50*	
26 05 33 13-2061	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	24.10	5.24
		For Work In Restricted Working Space, Add	*3.93*	
26 05 33 13-2062	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	25.67	5.83
		For Work In Restricted Working Space, Add	*4.37*	
26 05 33 13-2063	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	27.25	6.41
		For Work In Restricted Working Space, Add	*4.81*	
26 05 33 13-2064	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	28.76	6.99
		For Work In Restricted Working Space, Add	*5.24*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2065		EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	33.21	7.86
			For Work In Restricted Working Space, Add	*5.90*	
26 05 33 13-2066		EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	38.12	8.73
			For Work In Restricted Working Space, Add	*6.56*	
26 05 33 13-2067		EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	43.78	10.20
			For Work In Restricted Working Space, Add	*7.64*	
26 05 33 13-2068		EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	49.46	11.65
			For Work In Restricted Working Space, Add	*8.74*	
26 05 33 13-2069		EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	58.20	13.10
			For Work In Restricted Working Space, Add	*9.83*	
26 05 33 13-2070		EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	68.17	14.56
			For Work In Restricted Working Space, Add	*10.92*	

26 05 33 13-2071 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings *(26 05 33 13-2018)*

26 05 33 13-2072		EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	18.00	2.33
			For Work In Restricted Working Space, Add	*1.75*	
26 05 33 13-2073		EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	20.08	2.62
			For Work In Restricted Working Space, Add	*1.97*	
26 05 33 13-2074		EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	20.96	2.91
			For Work In Restricted Working Space, Add	*2.18*	
26 05 33 13-2075		EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	21.77	3.21
			For Work In Restricted Working Space, Add	*2.40*	
26 05 33 13-2076		EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	22.81	3.50
			For Work In Restricted Working Space, Add	*2.62*	
26 05 33 13-2077		EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	26.96	4.08
			For Work In Restricted Working Space, Add	*3.06*	
26 05 33 13-2078		EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	32.48	4.95
			For Work In Restricted Working Space, Add	*3.71*	
26 05 33 13-2079		EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	38.68	5.83
			For Work In Restricted Working Space, Add	*4.37*	
26 05 33 13-2080		EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	45.33	7.28
			For Work In Restricted Working Space, Add	*5.46*	
26 05 33 13-2081		EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	51.99	8.73
			For Work In Restricted Working Space, Add	*6.56*	
26 05 33 13-2082		EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	63.15	10.20
			For Work In Restricted Working Space, Add	*7.64*	
26 05 33 13-2083		EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	76.23	11.65
			For Work In Restricted Working Space, Add	*8.74*	

26 05 33 13-2084 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints *(26 05 33 13-2018)*

26 05 33 13-2085		EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	49.82	14.56
			For Work In Restricted Working Space, Add	*10.92*	
26 05 33 13-2086		EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	58.56	17.47
			For Work In Restricted Working Space, Add	*13.10*	
26 05 33 13-2087		EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	66.02	20.38
			For Work In Restricted Working Space, Add	*15.29*	
26 05 33 13-2088		EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	73.40	23.30
			For Work In Restricted Working Space, Add	*17.48*	
26 05 33 13-2089		EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	77.38	24.75
			For Work In Restricted Working Space, Add	*18.57*	
26 05 33 13-2090		EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	83.97	26.21
			For Work In Restricted Working Space, Add	*19.66*	
26 05 33 13-2091		EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	91.30	27.67
			For Work In Restricted Working Space, Add	*20.75*	
26 05 33 13-2092		EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	99.36	29.13
			For Work In Restricted Working Space, Add	*21.84*	
26 05 33 13-2093		EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	106.32	30.58
			For Work In Restricted Working Space, Add	*22.94*	
26 05 33 13-2094		EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	113.29	32.03
			For Work In Restricted Working Space, Add	*24.03*	
26 05 33 13-2095		EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	125.22	33.50
			For Work In Restricted Working Space, Add	*25.12*	
26 05 33 13-2096		EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	139.24	34.95
			For Work In Restricted Working Space, Add	*26.21*	

26 05 33 13-2097 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints *(26 05 33 13-2018)*

26 05 33 13-2098		EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	55.26	14.56
			For Work In Restricted Working Space, Add	*10.92*	
26 05 33 13-2099		EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	64.67	17.47
			For Work In Restricted Working Space, Add	*13.10*	
26 05 33 13-2100		EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	72.16	20.38
			For Work In Restricted Working Space, Add	*15.29*	
26 05 33 13-2101		EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	79.60	23.30
			For Work In Restricted Working Space, Add	*17.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2102	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	83.64	24.75
		For Work In Restricted Working Space, Add	*18.57*	
26 05 33 13-2103	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	91.11	26.21
		For Work In Restricted Working Space, Add	*19.66*	
26 05 33 13-2104	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	99.87	27.67
		For Work In Restricted Working Space, Add	*20.75*	
26 05 33 13-2105	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	109.65	29.13
		For Work In Restricted Working Space, Add	*21.84*	
26 05 33 13-2106	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	117.90	30.58
		For Work In Restricted Working Space, Add	*22.94*	
26 05 33 13-2107	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	126.16	32.03
		For Work In Restricted Working Space, Add	*24.03*	
26 05 33 13-2108	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	141.35	33.50
		For Work In Restricted Working Space, Add	*25.12*	
26 05 33 13-2109	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	159.40	34.95
		For Work In Restricted Working Space, Add	*26.21*	

26 05 33 13-2110 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters

(26 05 33 13-2018)

26 05 33 13-2111	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	55.06	4.08
		For Work In Restricted Working Space, Add	*3.06*	
26 05 33 13-2112	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	61.48	4.66
		For Work In Restricted Working Space, Add	*3.50*	
26 05 33 13-2113	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	64.46	5.24
		For Work In Restricted Working Space, Add	*3.93*	
26 05 33 13-2114	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	67.52	5.83
		For Work In Restricted Working Space, Add	*4.37*	
26 05 33 13-2115	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	69.80	6.41
		For Work In Restricted Working Space, Add	*4.81*	
26 05 33 13-2116	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	76.37	6.99
		For Work In Restricted Working Space, Add	*5.24*	
26 05 33 13-2117	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	90.35	7.86
		For Work In Restricted Working Space, Add	*5.90*	
26 05 33 13-2118	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	106.63	8.73
		For Work In Restricted Working Space, Add	*6.56*	
26 05 33 13-2119	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	135.12	11.65
		For Work In Restricted Working Space, Add	*8.74*	
26 05 33 13-2120	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	165.29	13.10
		For Work In Restricted Working Space, Add	*9.83*	
26 05 33 13-2121	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	201.02	14.56
		For Work In Restricted Working Space, Add	*10.92*	

26 05 33 13-2122 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints *(26 05 33 13-2018)*

26 05 33 13-2123	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	64.74	14.56
		For Work In Restricted Working Space, Add	*10.92*	
26 05 33 13-2124	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	75.17	17.47
		For Work In Restricted Working Space, Add	*13.10*	
26 05 33 13-2125	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	89.87	20.38
		For Work In Restricted Working Space, Add	*15.29*	
26 05 33 13-2126	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	110.70	23.30
		For Work In Restricted Working Space, Add	*17.48*	
26 05 33 13-2127	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	133.79	24.75
		For Work In Restricted Working Space, Add	*18.57*	
26 05 33 13-2128	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	172.10	26.21
		For Work In Restricted Working Space, Add	*19.66*	
26 05 33 13-2129	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	236.86	27.67
		For Work In Restricted Working Space, Add	*20.75*	
26 05 33 13-2130	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	280.74	29.13
		For Work In Restricted Working Space, Add	*21.84*	
26 05 33 13-2131	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	332.17	30.58
		For Work In Restricted Working Space, Add	*22.94*	
26 05 33 13-2132	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	383.62	32.03
		For Work In Restricted Working Space, Add	*24.03*	
26 05 33 13-2133	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	444.26	33.50
		For Work In Restricted Working Space, Add	*25.12*	
26 05 33 13-2134	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	699.44	34.95
		For Work In Restricted Working Space, Add	*26.21*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2135		**Spacers** *(26 05 33 13-1723)* Note: For concrete encasement applications. See CSI section 03 31 13 00-0039 for concrete., 26 05 33 13-1723 for conduit.		
26 05 33 13-2136	EA	1" Base Spacers, Average 4" Wide, Direct Burial	7.14	
26 05 33 13-2137	EA	1" Intermediate Spacers, Average 4" Wide, Direct Burial	8.10	
26 05 33 13-2138	EA	1-1/4" Base Spacer, Average 4" Wide, Direct Burial	8.97	
26 05 33 13-2139	EA	1-1/4" Intermediate Spacers, Average 4" Wide, Direct Burial	9.68	
26 05 33 13-2140	EA	1-1/2" Base Spacer, Average 4" Wide, Direct Burial	9.03	
26 05 33 13-2141	EA	1-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	9.73	
26 05 33 13-2142	EA	2" Base Spacer, Average 4" Wide, Direct Burial	11.26	
26 05 33 13-2143	EA	2" Intermediate Spacers, Average 4" Wide, Direct Burial	10.46	
26 05 33 13-2144	EA	2-1/2" Base Spacer, Average 4" Wide, Direct Burial	12.46	
26 05 33 13-2145	EA	2-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	12.04	
26 05 33 13-2146	EA	3" Base Spacer, Average 4" Wide, Direct Burial	14.28	
26 05 33 13-2147	EA	3" Intermediate Spacers, Average 4" Wide, Direct Burial	13.61	
26 05 33 13-2148	EA	3-1/2" Base Spacer, Average 4" Wide, Direct Burial	15.47	
26 05 33 13-2149	EA	3-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	14.78	
26 05 33 13-2150	EA	4" Base Spacer, Average 4" Wide, Direct Burial	15.93	
26 05 33 13-2151	EA	4" Intermediate Spacers, Average 4" Wide, Direct Burial	15.20	
26 05 33 13-2152	EA	5" Base Spacer, Average 4" Wide, Direct Burial	17.61	
26 05 33 13-2153	EA	5" Intermediate Spacers, Average 4" Wide, Direct Burial	16.75	
26 05 33 13-2154	EA	6" Base Spacer, Average 4" Wide, Direct Burial	19.72	
26 05 33 13-2155	EA	6" Intermediate Spacers, Average 4" Wide, Direct Burial	19.00	
26 05 33 13-2156		**Conduit Field Bending** *(26 05 33 13-0040)*		
26 05 33 13-2157		**Metallic Conduit Field Bending** *(26 05 33 13-2156)* Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT), Intermediate Metal Conduit (IMC) and aluminum conduits.		
26 05 33 13-2158	EA	1-1/4" Metallic Conduit Field Bending	12.70	
26 05 33 13-2159	EA	1-1/2" Metallic Conduit Field Bending	16.93	
26 05 33 13-2160	EA	2" Metallic Conduit Field Bending	21.16	
26 05 33 13-2161	EA	2-1/2" Metallic Conduit Field Bending	29.63	
26 05 33 13-2162	EA	3" Metallic Conduit Field Bending	38.10	
26 05 33 13-2163	EA	3-1/2" Metallic Conduit Field Bending	46.56	
26 05 33 13-2164	EA	4" Metallic Conduit Field Bending	55.03	
26 05 33 13-2165	EA	5" Metallic Conduit Field Bending	67.73	
26 05 33 13-2166	EA	6" Metallic Conduit Field Bending	80.42	
26 05 33 13-2167		**Plastic Conduit Field Bending** *(26 05 33 13-2156)* Note: For PVC conduits.		
26 05 33 13-2168	EA	1" Plastic Conduit Field Bending	19.47	
26 05 33 13-2169	EA	1-1/4" Plastic Conduit Field Bending	21.16	
26 05 33 13-2170	EA	1-1/2" Plastic Conduit Field Bending	25.39	
26 05 33 13-2171	EA	2" Plastic Conduit Field Bending	33.86	
26 05 33 13-2172	EA	2-1/2" Plastic Conduit Field Bending	42.33	
26 05 33 13-2173	EA	3" Plastic Conduit Field Bending	50.80	
26 05 33 13-2174	EA	3-1/2" Plastic Conduit Field Bending	59.26	
26 05 33 13-2175	EA	4" Plastic Conduit Field Bending	67.73	
26 05 33 13-2176	EA	5" Plastic Conduit Field Bending	76.19	
26 05 33 13-2177	EA	6" Plastic Conduit Field Bending	84.66	
26 05 33 13-2178		**Cut And Thread Existing In-Place Threaded Conduit** *(26 05 33 13-0040)* Note: For use when connecting conduit to an existing in-place system.		
26 05 33 13-2179	EA	1/2", Cut And Thread Existing In-Place Threaded Conduit	24.73	
		For Work In Restricted Working Space, Add	*7.42*	
26 05 33 13-2180	EA	3/4", Cut And Thread Existing In-Place Threaded Conduit	27.21	
		For Work In Restricted Working Space, Add	*8.16*	
26 05 33 13-2181	EA	1", Cut And Thread Existing In-Place Threaded Conduit	29.68	
		For Work In Restricted Working Space, Add	*8.90*	
26 05 33 13-2182	EA	1-1/4", Cut And Thread Existing In-Place Threaded Conduit	32.15	
		For Work In Restricted Working Space, Add	*9.65*	
26 05 33 13-2183	EA	1-1/2", Cut And Thread Existing In-Place Threaded Conduit	33.79	
		For Work In Restricted Working Space, Add	*10.14*	
26 05 33 13-2184	EA	2", Cut And Thread Existing In-Place Threaded Conduit	35.45	
		For Work In Restricted Working Space, Add	*10.64*	
26 05 33 13-2185	EA	2-1/2", Cut And Thread Existing In-Place Threaded Conduit	37.10	
		For Work In Restricted Working Space, Add	*11.13*	
26 05 33 13-2186	EA	3", Cut And Thread Existing In-Place Threaded Conduit	38.74	
		For Work In Restricted Working Space, Add	*11.62*	
26 05 33 13-2187	EA	3-1/2", Cut And Thread Existing In-Place Threaded Conduit	39.56	
		For Work In Restricted Working Space, Add	*11.87*	
26 05 33 13-2188	EA	4", Cut And Thread Existing In-Place Threaded Conduit	40.39	
		For Work In Restricted Working Space, Add	*12.12*	
26 05 33 13-2189	EA	5", Cut And Thread Existing In-Place Threaded Conduit	42.03	
		For Work In Restricted Working Space, Add	*12.61*	
26 05 33 13-2190	EA	6", Cut And Thread Existing In-Place Threaded Conduit	43.69	
		For Work In Restricted Working Space, Add	*13.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2191		**Flexible Conduit** *(26 05 33 13-0040)*		
26 05 33 13-2192		**Liquid Tight Flexible Conduit And Connectors** *(26 05 33 13-2191)*		
		Note: Steel inner core with PVC cover.		
26 05 33 13-2193		**Liquid Tight Flexible Conduit** *(26 05 33 13-2192)*		
26 05 33 13-2194	LF	3/8" Liquid Tight Flex Conduit	2.83	0.90
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.34*	
		For Work In Restricted Working Space, Add	*0.68*	
26 05 33 13-2195	LF	1/2" Liquid Tight Flex Conduit	2.91	0.90
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.34*	
		For Work In Restricted Working Space, Add	*0.68*	
26 05 33 13-2196	LF	3/4" Liquid Tight Flex Conduit	3.90	1.20
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.45*	
		For Work In Restricted Working Space, Add	*0.90*	
26 05 33 13-2197	LF	1" Liquid Tight Flex Conduit	4.35	1.20
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.45*	
		For Work In Restricted Working Space, Add	*0.90*	
26 05 33 13-2198	LF	1-1/4" Liquid Tight Flex Conduit	5.59	1.50
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.56*	
		For Work In Restricted Working Space, Add	*1.13*	
26 05 33 13-2199	LF	1-1/2" Liquid Tight Flex Conduit	7.08	1.80
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.68*	
		For Work In Restricted Working Space, Add	*1.35*	
26 05 33 13-2200	LF	2" Liquid Tight Flex Conduit	9.34	2.41
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.90*	
		For Work In Restricted Working Space, Add	*1.81*	
26 05 33 13-2201	LF	2-1/2" Liquid Tight Flex Conduit	12.25	2.71
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.02*	
		For Work In Restricted Working Space, Add	*2.03*	
26 05 33 13-2202	LF	3" Liquid Tight Flex Conduit	17.49	3.31
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.24*	
		For Work In Restricted Working Space, Add	*2.48*	
26 05 33 13-2203	LF	4" Liquid Tight Flex Conduit	23.70	4.21
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.58*	
		For Work In Restricted Working Space, Add	*3.16*	
26 05 33 13-2204		**Straight Connector** *(26 05 33 13-2192)*		
26 05 33 13-2205	EA	3/8" Straight Liquid Tight Connector	7.65	2.41
		For Work In Restricted Working Space, Add	*1.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.81*	
26 05 33 13-2206	EA	1/2" Straight Liquid Tight Connector	7.65	2.41
		For Work In Restricted Working Space, Add	*1.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.81*	
26 05 33 13-2207	EA	3/4" Straight Liquid Tight Connector	9.10	2.71
		For Work In Restricted Working Space, Add	*2.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.03*	
26 05 33 13-2208	EA	1" Straight Liquid Tight Connector	11.68	3.01
		For Work In Restricted Working Space, Add	*2.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.26*	
26 05 33 13-2209	EA	1-1/4" Straight Liquid Tight Connector	14.56	3.31
		For Work In Restricted Working Space, Add	*2.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.48*	
26 05 33 13-2210	EA	1-1/2" Straight Liquid Tight Connector	17.99	3.61
		For Work In Restricted Working Space, Add	*2.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.71*	
26 05 33 13-2211	EA	2" Straight Liquid Tight Connector	24.21	4.21
		For Work In Restricted Working Space, Add	*3.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.16*	
26 05 33 13-2212	EA	2-1/2" Straight Liquid Tight Connector	75.59	5.41
		For Work In Restricted Working Space, Add	*4.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.07*	
26 05 33 13-2213	EA	3" Straight Liquid Tight Connector	96.47	5.71
		For Work In Restricted Working Space, Add	*4.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.29*	
26 05 33 13-2214	EA	4" Straight Liquid Tight Connector	119.19	8.42
		For Work In Restricted Working Space, Add	*6.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.32*	
26 05 33 13-2215		**90 Degree Angle Connector** *(26 05 33 13-2192)*		
26 05 33 13-2216	EA	3/8" 90 Degree Angle Liquid Tight Connector	10.99	3.31
		For Work In Restricted Working Space, Add	*2.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.48*	
26 05 33 13-2217	EA	1/2" 90 Degree Angle Liquid Tight Connector	11.34	3.31
		For Work In Restricted Working Space, Add	*2.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.48*	
26 05 33 13-2218	EA	3/4" 90 Degree Angle Liquid Tight Connector	12.71	3.61
		For Work In Restricted Working Space, Add	*2.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.71*	
26 05 33 13-2219	EA	1" 90 Degree Angle Liquid Tight Connector	17.25	4.21
		For Work In Restricted Working Space, Add	*3.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.16*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2220		EA	1-1/4" 90 Degree Angle Liquid Tight Connector	21.10	4.51
			For Work In Restricted Working Space, Add	*3.39*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.39*	
26 05 33 13-2221		EA	1-1/2" 90 Degree Angle Liquid Tight Connector	25.07	4.81
			For Work In Restricted Working Space, Add	*3.61*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.61*	
26 05 33 13-2222		EA	2" 90 Degree Angle Liquid Tight Connector	32.41	5.41
			For Work In Restricted Working Space, Add	*4.07*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.07*	
26 05 33 13-2223		EA	2-1/2" 90 Degree Angle Liquid Tight Connector	104.15	5.71
			For Work In Restricted Working Space, Add	*4.29*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.29*	
26 05 33 13-2224		EA	3" 90 Degree Angle Liquid Tight Connector	122.95	6.62
			For Work In Restricted Working Space, Add	*4.97*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.97*	
26 05 33 13-2225		EA	4" 90 Degree Angle Liquid Tight Connector	171.16	10.54
			For Work In Restricted Working Space, Add	*7.90*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.90*	

26 05 33 13-2226 45 Degree Angle Connector *(26 05 33 13-2192)*

26 05 33 13-2227		EA	3/8" 45 Degree Angle Liquid Tight Connector	10.87	3.31
			For Work In Restricted Working Space, Add	*2.48*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.48*	
26 05 33 13-2228		EA	1/2" 45 Degree Angle Liquid Tight Connector	10.95	3.31
			For Work In Restricted Working Space, Add	*2.48*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.48*	
26 05 33 13-2229		EA	3/4" 45 Degree Angle Liquid Tight Connector	12.71	3.61
			For Work In Restricted Working Space, Add	*2.71*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.71*	
26 05 33 13-2230		EA	1" 45 Degree Angle Liquid Tight Connector	18.20	4.21
			For Work In Restricted Working Space, Add	*3.16*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.16*	
26 05 33 13-2231		EA	1-1/4" 45 Degree Angle Liquid Tight Connector	20.48	4.51
			For Work In Restricted Working Space, Add	*3.39*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.39*	
26 05 33 13-2232		EA	1-1/2" 45 Degree Angle Liquid Tight Connector	22.76	4.81
			For Work In Restricted Working Space, Add	*3.61*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.61*	

26 05 33 13-2233 Flexible Metallic Conduit And Connectors *(26 05 33 13-2191)*

26 05 33 13-2234 Flexible Steel Conduit *(26 05 33 13-2233)*

26 05 33 13-2235		LF	3/8" Flexible Metallic Conduit	2.96	0.99
			For Flexible Aluminum Conduit, Add	*0.09*	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.36*	
			For Installation In Metal Stud Wall, Add	*0.24*	
			For Installation In Wood Stud Wall (Includes Drilling), Add	*0.61*	
			For Work In Restricted Working Space, Add	*0.73*	
26 05 33 13-2236		LF	1/2" Flexible Metallic Conduit	3.06	0.99
			For Flexible Aluminum Conduit, Add	*0.10*	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.37*	
			For Installation In Metal Stud Wall, Add	*0.25*	
			For Installation In Wood Stud Wall (Includes Drilling), Add	*0.62*	
			For Work In Restricted Working Space, Add	*0.74*	
26 05 33 13-2237		LF	3/4" Flexible Metallic Conduit	3.49	1.31
			For Flexible Aluminum Conduit, Add	*0.13*	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.40*	
			For Installation In Metal Stud Wall, Add	*0.27*	
			For Installation In Wood Stud Wall (Includes Drilling), Add	*0.67*	
			For Work In Restricted Working Space, Add	*0.80*	
26 05 33 13-2238		LF	1" Flexible Metallic Conduit	4.39	1.31
			For Flexible Aluminum Conduit, Add	*0.25*	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.43*	
			For Installation In Metal Stud Wall, Add	*0.29*	
			For Installation In Wood Stud Wall (Includes Drilling), Add	*0.72*	
			For Work In Restricted Working Space, Add	*0.86*	
26 05 33 13-2239		LF	1-1/4" Flexible Metallic Conduit	5.01	1.64
			For Flexible Aluminum Conduit, Add	*0.32*	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.46*	
			For Installation In Metal Stud Wall, Add	*0.31*	
			For Installation In Wood Stud Wall (Includes Drilling), Add	*0.76*	
			For Work In Restricted Working Space, Add	*0.92*	
26 05 33 13-2240		LF	1-1/2" Flexible Metallic Conduit	6.61	1.97
			For Flexible Aluminum Conduit, Add	*0.57*	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.48*	
			For Installation In Metal Stud Wall, Add	*0.32*	
			For Installation In Wood Stud Wall (Includes Drilling), Add	*0.79*	
			For Work In Restricted Working Space, Add	*0.95*	
26 05 33 13-2241		LF	2" Flexible Metallic Conduit	7.51	2.64
			For Flexible Aluminum Conduit, Add	*0.70*	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.49*	
			For Installation In Metal Stud Wall, Add	*0.33*	
			For Installation In Wood Stud Wall (Includes Drilling), Add	*0.82*	
			For Work In Restricted Working Space, Add	*0.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2242	LF	2-1/2" Flexible Steel Conduit	9.23	2.97
		For Flexible Aluminum Conduit, Add	*0.84*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.62*	
		For Installation In Metal Stud Wall, Add	*0.41*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.03*	
		For Work In Restricted Working Space, Add	*1.24*	
26 05 33 13-2243	LF	3" Flexible Metallic Conduit	13.81	3.62
		For Flexible Aluminum Conduit, Add	*1.46*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.74*	
		For Installation In Metal Stud Wall, Add	*0.49*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.24*	
		For Work In Restricted Working Space, Add	*1.48*	
26 05 33 13-2244	LF	3-1/2" Flexible Metallic Conduit	16.94	3.95
		For Flexible Aluminum Conduit, Add	*1.84*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.86*	
		For Installation In Metal Stud Wall, Add	*0.58*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.44*	
		For Work In Restricted Working Space, Add	*1.73*	
26 05 33 13-2245	LF	4" Flexible Metallic Conduit	19.48	4.61
		For Flexible Aluminum Conduit, Add	*2.13*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.99*	
		For Installation In Metal Stud Wall, Add	*0.66*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.65*	
		For Work In Restricted Working Space, Add	*1.97*	
26 05 33 13-2246		**Plain Squeeze Type Straight Connector** *(26 05 33 13-2233)*		
26 05 33 13-2247	EA	3/8" Flexible Straight Connectors, Plain	5.06	2.64
		For Work In Restricted Working Space, Add	*1.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.11*	
26 05 33 13-2248	EA	1/2" Flexible Straight Connectors, Plain	6.28	2.97
		For Work In Restricted Working Space, Add	*1.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.24*	
26 05 33 13-2249	EA	3/4" Flexible Straight Connectors, Plain	7.22	3.62
		For Work In Restricted Working Space, Add	*1.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.48*	
26 05 33 13-2250	EA	1" Flexible Straight Connectors, Plain	11.58	3.95
		For Work In Restricted Working Space, Add	*1.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.97*	
26 05 33 13-2251	EA	1-1/4" Flexible Straight Connectors, Plain	16.41	4.61
		For Work In Restricted Working Space, Add	*2.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.47*	
26 05 33 13-2252	EA	1-1/2" Flexible Straight Connectors, Plain	21.64	5.59
		For Work In Restricted Working Space, Add	*3.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.08*	
26 05 33 13-2253	EA	2" Flexible Straight Connectors, Plain	28.50	5.59
		For Work In Restricted Working Space, Add	*3.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-2254	EA	2-1/2" Flexible Straight Connectors, Plain	46.13	6.92
		For Work In Restricted Working Space, Add	*4.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.32*	
26 05 33 13-2255	EA	3" Flexible Straight Connectors, Plain	60.45	7.57
		For Work In Restricted Working Space, Add	*4.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 05 33 13-2256	EA	3-1/2" Flexible Straight Connectors, Plain	188.64	8.89
		For Work In Restricted Working Space, Add	*5.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.55*	
26 05 33 13-2257	EA	4" Flexible Straight Connectors, Plain	235.81	10.86
		For Work In Restricted Working Space, Add	*6.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.17*	
26 05 33 13-2258		**Insulated Throat Squeeze Type Straight Connector** *(26 05 33 13-2233)*		
26 05 33 13-2259	EA	1/2" Flexible Straight Connectors, Insulated	7.02	2.97
		For Work In Restricted Working Space, Add	*1.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.24*	
26 05 33 13-2260	EA	3/4" Flexible Straight Connectors, Insulated	8.19	3.62
		For Work In Restricted Working Space, Add	*1.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.48*	
26 05 33 13-2261	EA	1" Flexible Straight Connectors, Insulated	12.90	3.95
		For Work In Restricted Working Space, Add	*1.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.97*	
26 05 33 13-2262	EA	1-1/4" Flexible Straight Connectors, Insulated	18.85	4.61
		For Work In Restricted Working Space, Add	*2.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.47*	
26 05 33 13-2263	EA	1-1/2" Flexible Straight Connectors, Insulated	25.98	4.94
		For Work In Restricted Working Space, Add	*3.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.08*	
26 05 33 13-2264	EA	2" Flexible Straight Connectors, Insulated	36.17	5.59
		For Work In Restricted Working Space, Add	*3.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-2265	EA	2-1/2" Flexible Straight Connectors, Insulated	62.53	6.92
		For Work In Restricted Working Space, Add	*4.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2266	EA	3" Flexible Straight Connectors, Insulated	79.79	7.57
		For Work In Restricted Working Space, Add	*4.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 05 33 13-2267	EA	3-1/2" Flexible Straight Connectors, Insulated	218.45	8.89
		For Work In Restricted Working Space, Add	*5.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.55*	
26 05 33 13-2268	EA	4" Flexible Straight Connectors, Insulated	280.63	10.86
		For Work In Restricted Working Space, Add	*6.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.17*	

26 05 33 13-2269 Plain Squeeze Type 90 Degree Connector *(26 05 33 13-2233)*

26 05 33 13-2270	EA	3/8" Flexible 90 Degree Connector, Plain	7.12	3.29
		For Work In Restricted Working Space, Add	*1.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.48*	
26 05 33 13-2271	EA	1/2" Flexible 90 Degree Connector, Plain	9.41	3.62
		For Work In Restricted Working Space, Add	*1.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.73*	
26 05 33 13-2272	EA	3/4" Flexible 90 Degree Connector, Plain	12.29	3.95
		For Work In Restricted Working Space, Add	*1.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.97*	
26 05 33 13-2273	EA	1" Flexible 90 Degree Connector, Plain	17.25	4.61
		For Work In Restricted Working Space, Add	*2.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.47*	
26 05 33 13-2274	EA	1-1/4" Flexible 90 Degree Connector, Plain	26.99	4.94
		For Work In Restricted Working Space, Add	*2.96*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.96*	
26 05 33 13-2275	EA	1-1/2" Flexible 90 Degree Connector, Plain	42.27	5.76
		For Work In Restricted Working Space, Add	*3.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-2276	EA	2" Flexible 90 Degree Connector, Plain	50.99	7.08
		For Work In Restricted Working Space, Add	*4.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.20*	
26 05 33 13-2277	EA	2-1/2" Flexible 90 Degree Connector, Plain	112.90	7.57
		For Work In Restricted Working Space, Add	*4.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 05 33 13-2278	EA	3" Flexible 90 Degree Connector, Plain	145.12	8.89
		For Work In Restricted Working Space, Add	*5.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.55*	
26 05 33 13-2279	EA	3-1/2" Flexible 90 Degree Connector, Plain	308.50	10.86
		For Work In Restricted Working Space, Add	*6.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.17*	
26 05 33 13-2280	EA	4" Flexible 90 Degree Connector, Plain	551.54	12.35
		For Work In Restricted Working Space, Add	*7.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.41*	

26 05 33 13-2281 Insulated Throat Squeeze Type 90 Degree Connector *(26 05 33 13-2233)*

26 05 33 13-2282	EA	1/2" Flexible 90 Degree Connector, Insulated	10.44	3.62
		For Work In Restricted Working Space, Add	*1.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.73*	
26 05 33 13-2283	EA	3/4" Flexible 90 Degree Connector, Insulated	13.57	3.95
		For Work In Restricted Working Space, Add	*1.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.97*	
26 05 33 13-2284	EA	1" Flexible 90 Degree Connector, Insulated	17.25	4.61
		For Work In Restricted Working Space, Add	*2.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.47*	
26 05 33 13-2285	EA	1-1/4" Flexible 90 Degree Connector, Insulated	31.51	4.94
		For Work In Restricted Working Space, Add	*2.96*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.96*	
26 05 33 13-2286	EA	1-1/2" Flexible 90 Degree Connector, Insulated	50.49	5.76
		For Work In Restricted Working Space, Add	*3.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-2287	EA	2" Flexible 90 Degree Connector, Insulated	64.35	7.08
		For Work In Restricted Working Space, Add	*4.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.20*	
26 05 33 13-2288	EA	2-1/2" Flexible 90 Degree Connector, Insulated	154.67	7.57
		For Work In Restricted Working Space, Add	*4.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 05 33 13-2289	EA	3" Flexible 90 Degree Connector, Insulated	190.37	8.89
		For Work In Restricted Working Space, Add	*5.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.55*	
26 05 33 13-2290	EA	3-1/2" Flexible 90 Degree Connector, Insulated	513.59	10.86
		For Work In Restricted Working Space, Add	*6.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.17*	
26 05 33 13-2291	EA	4" Flexible 90 Degree Connector, Insulated	766.36	12.35
		For Work In Restricted Working Space, Add	*7.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.41*	

26 05 33 13-2292 Plain Squeeze Type 45 Degree Connector *(26 05 33 13-2233)*

26 05 33 13-2293	EA	3/8" Flexible 45 Degree Connector, Plain	7.95	3.29
		For Work In Restricted Working Space, Add	*1.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2294	EA	1/2" Flexible 45 Degree Connector, Plain	10.74	3.62
		For Work In Restricted Working Space, Add	*1.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.73*	
26 05 33 13-2295	EA	3/4" Flexible 45 Degree Connector, Plain	13.78	3.95
		For Work In Restricted Working Space, Add	*1.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.97*	
26 05 33 13-2296		**Insulated Squeeze Type 45 Degree Connector** *(26 05 33 13-2233)*		
26 05 33 13-2297	EA	3/8" Flexible 45 Degree Connector, Insulated	8.53	3.95
		For Work In Restricted Working Space, Add	*1.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.48*	
26 05 33 13-2298	EA	1/2" Flexible 45 Degree Connector, Insulated	11.69	3.62
		For Work In Restricted Working Space, Add	*1.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.73*	
26 05 33 13-2299	EA	3/4" Flexible 45 Degree Connector, Insulated	15.12	3.95
		For Work In Restricted Working Space, Add	*1.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.97*	
26 05 33 13-2300		**Plain Screw-In Connector** *(26 05 33 13-2233)*		
26 05 33 13-2301	EA	3/8" Flexible Steel Screw-in Connector, Plain	4.20	2.64
		For Work In Restricted Working Space, Add	*1.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.11*	
26 05 33 13-2302	EA	1/2" Flexible Steel Screw-in Connector, Plain	4.54	2.97
		For Work In Restricted Working Space, Add	*1.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.24*	
26 05 33 13-2303	EA	3/4" Flexible Steel Screw-in Connector, Plain	5.79	3.62
		For Work In Restricted Working Space, Add	*1.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.48*	
26 05 33 13-2304	EA	1" Flexible Steel Screw-in Connector, Plain	8.29	3.95
		For Work In Restricted Working Space, Add	*1.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.97*	
26 05 33 13-2305	EA	1-1/4" Flexible Steel Screw-in Connector, Plain	12.22	4.61
		For Work In Restricted Working Space, Add	*2.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.47*	
26 05 33 13-2306	EA	1-1/2" Flexible Steel Screw-in Connector, Plain	14.93	4.94
		For Work In Restricted Working Space, Add	*3.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.08*	
26 05 33 13-2307	EA	2" Flexible Steel Screw-in Connector, Plain	22.00	5.59
		For Work In Restricted Working Space, Add	*3.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-2308		**Insulated Screw-In Connector** *(26 05 33 13-2233)*		
26 05 33 13-2309	EA	3/8" Flexible Steel Screw-in Connector, Insulated	4.45	2.64
		For Work In Restricted Working Space, Add	*1.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.11*	
26 05 33 13-2310	EA	1/2" Flexible Steel Screw-in Connector, Insulated	4.73	2.97
		For Work In Restricted Working Space, Add	*1.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.24*	
26 05 33 13-2311	EA	3/4" Flexible Steel Screw-in Connector, Insulated	6.29	3.62
		For Work In Restricted Working Space, Add	*1.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.48*	
26 05 33 13-2312	EA	1" Flexible Steel Screw-in Connector, Insulated	9.06	3.95
		For Work In Restricted Working Space, Add	*1.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.97*	
26 05 33 13-2313	EA	1-1/4" Flexible Steel Screw-in Connector, Insulated	13.32	4.61
		For Work In Restricted Working Space, Add	*2.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.47*	
26 05 33 13-2314	EA	1-1/2" Flexible Steel Screw-in Connector, Insulated	16.24	4.94
		For Work In Restricted Working Space, Add	*3.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.08*	
26 05 33 13-2315	EA	2" Flexible Steel Screw-in Connector, Insulated	23.16	5.59
		For Work In Restricted Working Space, Add	*3.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-2316		**Screw-In Coupling** *(26 05 33 13-2233)*		
26 05 33 13-2317	EA	1/2" Flexible Steel Screw-in Coupling	5.02	2.97
		For Work In Restricted Working Space, Add	*1.24*	
26 05 33 13-2318	EA	3/4" Flexible Steel Screw-in Coupling	6.59	3.62
		For Work In Restricted Working Space, Add	*1.48*	
26 05 33 13-2319		**Flexible To Electrical Metallic Tubing (EMT) Coupling** *(26 05 33 13-2233)*		
26 05 33 13-2320	EA	3/8" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	6.77	2.64
		For Work In Restricted Working Space, Add	*1.11*	
26 05 33 13-2321	EA	1/2" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	9.23	2.97
		For Work In Restricted Working Space, Add	*1.24*	
26 05 33 13-2322	EA	3/4" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	12.21	3.62
		For Work In Restricted Working Space, Add	*1.48*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2323			**Die Cast Squeeze Type Straight Connector** *(26 05 33 13-2233)*		
26 05 33 13-2324		EA	3/8" Flexible Straight Connector, Die Cast	4.36	2.64
			For Work In Restricted Working Space, Add	*1.11*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.11*	
26 05 33 13-2325		EA	1/2" Flexible Straight Connector, Die Cast	4.94	2.97
			For Work In Restricted Working Space, Add	*1.24*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.24*	
26 05 33 13-2326		EA	3/4" Flexible Straight Connector, Die Cast	6.13	3.62
			For Work In Restricted Working Space, Add	*1.48*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.48*	
26 05 33 13-2327		EA	1" Flexible Straight Connector, Die Cast	9.23	3.95
			For Work In Restricted Working Space, Add	*1.97*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.97*	
26 05 33 13-2328		EA	1-1/4" Flexible Straight Connector, Die Cast	12.45	4.61
			For Work In Restricted Working Space, Add	*2.47*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.47*	
26 05 33 13-2329		EA	1-1/2" Flexible Straight Connector, Die Cast	16.91	4.94
			For Work In Restricted Working Space, Add	*3.08*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.08*	
26 05 33 13-2330		EA	2" Flexible Straight Connector, Die Cast	21.89	5.59
			For Work In Restricted Working Space, Add	*3.71*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-2331			**Die Cast Squeeze Type 90 Degree Connector** *(26 05 33 13-2233)*		
26 05 33 13-2332		EA	3/8" Flexible 90 Degree Connector, Die Cast	5.78	3.29
			For Work In Restricted Working Space, Add	*1.48*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.48*	
26 05 33 13-2333		EA	1/2" Flexible 90 Degree Connector, Die Cast	7.16	3.62
			For Work In Restricted Working Space, Add	*1.73*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.73*	
26 05 33 13-2334		EA	3/4" Flexible 90 Degree Connector, Die Cast	8.70	3.95
			For Work In Restricted Working Space, Add	*1.97*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.97*	
26 05 33 13-2335		EA	1" Flexible 90 Degree Connector, Die Cast	13.83	4.61
			For Work In Restricted Working Space, Add	*2.47*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.47*	
26 05 33 13-2336		EA	1-1/4" Flexible 90 Degree Connector, Die Cast	19.64	4.94
			For Work In Restricted Working Space, Add	*2.96*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.96*	
26 05 33 13-2337		EA	1-1/2" Flexible 90 Degree Connector, Die Cast	30.59	5.76
			For Work In Restricted Working Space, Add	*3.71*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-2338		EA	2" Flexible 90 Degree Connector, Die Cast	36.58	7.08
			For Work In Restricted Working Space, Add	*4.20*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.20*	
26 05 33 13-2339			**Non-Metallic Liquid Tight Flexible Conduit And Connectors** *(26 05 33 13-2191)*		
			Note: Carlon - CARFLEX.		
26 05 33 13-2340			**Non-Metallic Liquid Tight Flexible Conduit** *(26 05 33 13-2339)*		
26 05 33 13-2341		LF	3/8" Non-Metallic Liquid Tight Flex Conduit	2.91	0.90
			For Work In Restricted Working Space, Add	*0.68*	
26 05 33 13-2342		LF	1/2" Non-Metallic Liquid Tight Flex Conduit	2.96	0.90
			For Work In Restricted Working Space, Add	*0.68*	
26 05 33 13-2343		LF	3/4" Non-Metallic Liquid Tight Flex Conduit	3.98	1.20
			For Work In Restricted Working Space, Add	*0.90*	
26 05 33 13-2344		LF	1" Non-Metallic Liquid Tight Flex Conduit	4.98	1.20
			For Work In Restricted Working Space, Add	*0.90*	
26 05 33 13-2345		LF	1-1/4" Non-Metallic Liquid Tight Flex Conduit	6.32	1.50
			For Work In Restricted Working Space, Add	*1.13*	
26 05 33 13-2346		LF	1-1/2" Non-Metallic Liquid Tight Flex Conduit	8.07	1.80
			For Work In Restricted Working Space, Add	*1.35*	
26 05 33 13-2347		LF	2" Non-Metallic Liquid Tight Flex Conduit	10.36	2.41
			For Work In Restricted Working Space, Add	*1.81*	
26 05 33 13-2348			**Straight Connector** *(26 05 33 13-2339)*		
26 05 33 13-2349		EA	3/8" Non-Metallic Straight Connector	8.41	2.41
			For Work In Restricted Working Space, Add	*1.81*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.81*	
26 05 33 13-2350		EA	1/2" Non-Metallic Straight Connector	8.41	2.41
			For Work In Restricted Working Space, Add	*1.81*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.81*	
26 05 33 13-2351		EA	3/4" Non-Metallic Straight Connector	10.31	2.71
			For Work In Restricted Working Space, Add	*2.03*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.03*	
26 05 33 13-2352		EA	1" Non-Metallic Straight Connector	12.84	3.01
			For Work In Restricted Working Space, Add	*2.26*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.26*	
26 05 33 13-2353		EA	1-1/4" Non-Metallic Straight Connector	17.82	3.31
			For Work In Restricted Working Space, Add	*2.48*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2354	EA	1-1/2" Non-Metallic Straight Connector	22.32	3.61
		For Work In Restricted Working Space, Add	*2.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.71*	
26 05 33 13-2355	EA	2" Non-Metallic Straight Connector	34.93	4.21
		For Work In Restricted Working Space, Add	*3.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.16*	

26 05 33 13-2356 90 Degree Angle Connector *(26 05 33 13-2339)*

26 05 33 13-2357	EA	3/8" Non-Metallic 90 Degree Angle Connector	12.16	3.31
		For Work In Restricted Working Space, Add	*2.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.48*	
26 05 33 13-2358	EA	1/2" Non-Metallic 90 Degree Angle Connector	12.16	3.31
		For Work In Restricted Working Space, Add	*2.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.48*	
26 05 33 13-2359	EA	3/4" Non-Metallic 90 Degree Angle Connector	15.01	3.61
		For Work In Restricted Working Space, Add	*2.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.71*	
26 05 33 13-2360	EA	1" Non-Metallic 90 Degree Angle Connector	21.35	4.21
		For Work In Restricted Working Space, Add	*3.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.16*	
26 05 33 13-2361	EA	1-1/4" Non-Metallic 90 Degree Angle Connector	22.05	4.51
		For Work In Restricted Working Space, Add	*3.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.39*	
26 05 33 13-2362	EA	1-1/2" Non-Metallic 90 Degree Angle Connector	35.11	4.81
		For Work In Restricted Working Space, Add	*3.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.61*	
26 05 33 13-2363	EA	2" Non-Metallic 90 Degree Angle Connector	47.30	5.41
		For Work In Restricted Working Space, Add	*4.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.07*	

26 05 33 13-2364 45 Degree Angle Connector *(26 05 33 13-2339)*

26 05 33 13-2365	EA	3/8" Non-Metallic 45 Degree Angle Connector	12.16	3.31
		For Work In Restricted Working Space, Add	*2.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.48*	
26 05 33 13-2366	EA	1/2" Non-Metallic 45 Degree Angle Connector	12.16	3.31
		For Work In Restricted Working Space, Add	*2.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.48*	
26 05 33 13-2367	EA	3/4" Non-Metallic 45 Degree Angle Connector	15.01	3.61
		For Work In Restricted Working Space, Add	*2.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.71*	
26 05 33 13-2368	EA	1" Non-Metallic 45 Degree Angle Connector	21.35	4.21
		For Work In Restricted Working Space, Add	*3.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.16*	
26 05 33 13-2369	EA	1-1/4" Non-Metallic 45 Degree Angle Connector	22.05	4.51
		For Work In Restricted Working Space, Add	*3.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.39*	
26 05 33 13-2370	EA	1-1/2" Non-Metallic 45 Degree Angle Connector	35.11	4.81
		For Work In Restricted Working Space, Add	*3.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.61*	
26 05 33 13-2371	EA	2" Non-Metallic 45 Degree Angle Connector	47.30	5.41
		For Work In Restricted Working Space, Add	*4.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.07*	

26 05 33 13-2372 Blue ENT Electrical Non-Metallic Tubing *(26 05 33 13-2191)*

Note: Carlon - FLEX-PLUS.

26 05 33 13-2373 Blue ENT Electrical Non-Metallic Tubing *(26 05 33 13-2372)*

26 05 33 13-2374	LF	1/2" Blue ENT Electrical Non-Metallic Tubing	2.73	0.99
		For Work In Restricted Working Space, Add	*0.74*	
26 05 33 13-2375	LF	3/4" Blue ENT Electrical Non-Metallic Tubing	3.65	1.31
		For Work In Restricted Working Space, Add	*0.99*	
26 05 33 13-2376	LF	1" Blue ENT Electrical Non-Metallic Tubing	3.87	1.31
		For Work In Restricted Working Space, Add	*0.99*	

26 05 33 13-2377 Terminal Adapter *(26 05 33 13-2372)*

26 05 33 13-2378	EA	1/2" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing	7.01	2.64
		For Work In Restricted Working Space, Add	*1.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.97*	
26 05 33 13-2379	EA	3/4" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing	8.19	2.97
		For Work In Restricted Working Space, Add	*2.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.22*	
26 05 33 13-2380	EA	1" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing	9.23	3.29
		For Work In Restricted Working Space, Add	*2.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.47*	

26 05 33 13-2381 Coupling *(26 05 33 13-2372)*

26 05 33 13-2382	EA	1/2" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing	6.95	2.64
		For Work In Restricted Working Space, Add	*1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2383	EA	3/4" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing	7.89	2.97
		For Work In Restricted Working Space, Add	*2.22*	
26 05 33 13-2384	EA	1" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing	8.95	3.29
		For Work In Restricted Working Space, Add	*2.47*	

26 05 33 13-2385 Conduit Bodies *(26 05 33 13-0040)*

26 05 33 13-2386 Threaded, Cast Aluminum Conduit Body *(26 05 33 13-2385)*

26 05 33 13-2387 Type LB, Threaded, Two Hub Cast Aluminum Conduit Body *(26 05 33 13-2386)*

26 05 33 13-2388	EA	1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	43.01	14.45
		For Mogul LB, Add	*3.37*	
		For Work In Restricted Working Space, Add	*10.83*	
		For Installation Above 14', Add	*5.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.83*	
26 05 33 13-2389	EA	3/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	50.75	16.55
		For Mogul LB, Add	*4.96*	
		For Work In Restricted Working Space, Add	*12.41*	
		For Installation Above 14', Add	*6.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.41*	
26 05 33 13-2390	EA	1" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	61.48	19.26
		For Mogul LB, Add	*7.60*	
		For Work In Restricted Working Space, Add	*14.44*	
		For Installation Above 14', Add	*7.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.44*	
26 05 33 13-2391	EA	1-1/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	74.84	21.97
		For Mogul LB, Add	*12.19*	
		For Work In Restricted Working Space, Add	*16.48*	
		For Installation Above 14', Add	*8.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.48*	
26 05 33 13-2392	EA	1-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	85.89	24.07
		For Mogul LB, Add	*16.27*	
		For Work In Restricted Working Space, Add	*18.06*	
		For Installation Above 14', Add	*9.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.06*	
26 05 33 13-2393	EA	2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	113.74	28.88
		For Mogul LB, Add	*27.52*	
		For Work In Restricted Working Space, Add	*21.67*	
		For Installation Above 14', Add	*10.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.67*	
26 05 33 13-2394	EA	2-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	193.43	40.63
		For Mogul LB, Add	*63.82*	
		For Work In Restricted Working Space, Add	*30.47*	
		For Installation Above 14', Add	*15.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.47*	
26 05 33 13-2395	EA	3" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	254.04	54.17
		For Mogul LB, Add	*82.19*	
		For Work In Restricted Working Space, Add	*40.63*	
		For Installation Above 14', Add	*20.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.63*	
26 05 33 13-2396	EA	3-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	338.93	67.71
		For Mogul LB, Add	*118.77*	
		For Work In Restricted Working Space, Add	*50.78*	
		For Installation Above 14', Add	*25.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.78*	
26 05 33 13-2397	EA	4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	441.87	82.45
		For Mogul LB, Add	*166.50*	
		For Work In Restricted Working Space, Add	*61.84*	
		For Installation Above 14', Add	*30.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.84*	

26 05 33 13-2398 Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2386)*

26 05 33 13-2399	EA	1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	43.85	14.45
		For Mogul LB, Add	*4.00*	
		For Work In Restricted Working Space, Add	*10.83*	
		For Installation Above 14', Add	*5.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.83*	
26 05 33 13-2400	EA	3/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	51.57	16.55
		For Mogul LB, Add	*5.57*	
		For Work In Restricted Working Space, Add	*12.41*	
		For Installation Above 14', Add	*6.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.41*	
26 05 33 13-2401	EA	1" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	63.13	19.26
		For Mogul LB, Add	*8.84*	
		For Work In Restricted Working Space, Add	*14.44*	
		For Installation Above 14', Add	*7.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.44*	
26 05 33 13-2402	EA	1-1/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	76.85	21.97
		For Mogul LB, Add	*13.70*	
		For Work In Restricted Working Space, Add	*16.48*	
		For Installation Above 14', Add	*8.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2403	EA	1-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	89.31	24.07
		For Mogul LB, Add	*18.83*	
		For Work In Restricted Working Space, Add	*18.06*	
		For Installation Above 14', Add	*9.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.06*	
26 05 33 13-2404	EA	2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	121.08	28.88
		For Mogul LB, Add	*33.03*	
		For Work In Restricted Working Space, Add	*21.67*	
		For Installation Above 14', Add	*10.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.67*	
26 05 33 13-2405	EA	2-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	189.73	40.63
		For Mogul LB, Add	*61.05*	
		For Work In Restricted Working Space, Add	*30.47*	
		For Installation Above 14', Add	*15.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.47*	
26 05 33 13-2406	EA	3" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	241.59	54.17
		For Mogul LB, Add	*72.86*	
		For Work In Restricted Working Space, Add	*40.63*	
		For Installation Above 14', Add	*20.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.63*	
26 05 33 13-2407	EA	3-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	349.54	67.71
		For Mogul LB, Add	*126.73*	
		For Work In Restricted Working Space, Add	*50.78*	
		For Installation Above 14', Add	*25.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.78*	
26 05 33 13-2408	EA	4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	463.56	82.45
		For Mogul LB, Add	*182.77*	
		For Work In Restricted Working Space, Add	*61.84*	
		For Installation Above 14', Add	*30.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.84*	

26 05 33 13-2409 Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2386)*

26 05 33 13-2410	EA	1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	50.53	16.55
		For Work In Restricted Working Space, Add	*12.41*	
		For Installation Above 14', Add	*6.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.41*	
26 05 33 13-2411	EA	3/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	59.92	19.26
		For Work In Restricted Working Space, Add	*14.44*	
		For Installation Above 14', Add	*7.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.44*	
26 05 33 13-2412	EA	1" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	69.34	21.06
		For Work In Restricted Working Space, Add	*15.80*	
		For Installation Above 14', Add	*7.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.80*	
26 05 33 13-2413	EA	1-1/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	85.46	24.07
		For Work In Restricted Working Space, Add	*18.06*	
		For Installation Above 14', Add	*9.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.06*	
26 05 33 13-2414	EA	1-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	99.04	26.48
		For Work In Restricted Working Space, Add	*19.86*	
		For Installation Above 14', Add	*9.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.86*	
26 05 33 13-2415	EA	2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	133.66	31.00
		For Work In Restricted Working Space, Add	*23.25*	
		For Installation Above 14', Add	*11.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.25*	
26 05 33 13-2416	EA	2-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	212.10	45.14
		For Work In Restricted Working Space, Add	*33.86*	
		For Installation Above 14', Add	*16.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.86*	
26 05 33 13-2417	EA	3" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	273.93	58.68
		For Work In Restricted Working Space, Add	*44.01*	
		For Installation Above 14', Add	*22.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.01*	
26 05 33 13-2418	EA	3-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	444.81	72.23
		For Work In Restricted Working Space, Add	*54.17*	
		For Installation Above 14', Add	*27.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.17*	
26 05 33 13-2419	EA	4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	508.37	86.97
		For Work In Restricted Working Space, Add	*65.23*	
		For Installation Above 14', Add	*32.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.23*	

26 05 33 13-2420 Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2386)*

26 05 33 13-2421	EA	1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	44.02	14.45
		For Work In Restricted Working Space, Add	*10.83*	
		For Installation Above 14', Add	*5.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.83*	
26 05 33 13-2422	EA	3/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	50.99	16.55
		For Work In Restricted Working Space, Add	*12.41*	
		For Installation Above 14', Add	*6.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.41*	

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	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2423	EA 1" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	61.71	18.96
	For Work In Restricted Working Space, Add	*14.22*	
	For Installation Above 14', Add	*7.11*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.22*	
26 05 33 13-2424	EA 1-1/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	76.05	21.97
	For Work In Restricted Working Space, Add	*16.48*	
	For Installation Above 14', Add	*8.24*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.48*	
26 05 33 13-2425	EA 1-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	85.33	24.07
	For Work In Restricted Working Space, Add	*18.06*	
	For Installation Above 14', Add	*9.03*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.06*	
26 05 33 13-2426	EA 2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	113.80	28.88
	For Work In Restricted Working Space, Add	*21.67*	
	For Installation Above 14', Add	*10.83*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.67*	
26 05 33 13-2427	EA 2-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	186.61	40.63
	For Work In Restricted Working Space, Add	*30.47*	
	For Installation Above 14', Add	*15.23*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.47*	
26 05 33 13-2428	EA 3" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	239.60	54.17
	For Work In Restricted Working Space, Add	*40.63*	
	For Installation Above 14', Add	*20.31*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.63*	
26 05 33 13-2429	EA 3-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	343.16	67.71
	For Work In Restricted Working Space, Add	*50.78*	
	For Installation Above 14', Add	*25.39*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.78*	
26 05 33 13-2430	EA 4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	443.86	82.45
	For Work In Restricted Working Space, Add	*61.84*	
	For Installation Above 14', Add	*30.92*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.84*	

26 05 33 13-2431 Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2386)*

26 05 33 13-2432	EA 1/2"Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	58.62	18.96
	For Work In Restricted Working Space, Add	*14.22*	
	For Installation Above 14', Add	*7.11*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.22*	
26 05 33 13-2433	EA 3/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	67.86	21.06
	For Work In Restricted Working Space, Add	*15.80*	
	For Installation Above 14', Add	*7.90*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.80*	
26 05 33 13-2434	EA 1" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	83.63	23.17
	For Work In Restricted Working Space, Add	*17.38*	
	For Installation Above 14', Add	*8.69*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.38*	
26 05 33 13-2435	EA 1-1/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	96.46	26.48
	For Work In Restricted Working Space, Add	*19.86*	
	For Installation Above 14', Add	*9.93*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.86*	
26 05 33 13-2436	EA 1-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	125.23	28.88
	For Work In Restricted Working Space, Add	*21.67*	
	For Installation Above 14', Add	*10.83*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.67*	
26 05 33 13-2437	EA 2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	151.28	35.51
	For Work In Restricted Working Space, Add	*26.63*	
	For Installation Above 14', Add	*13.32*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.63*	
26 05 33 13-2438	EA 2-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	285.23	52.06
	For Work In Restricted Working Space, Add	*39.05*	
	For Installation Above 14', Add	*19.52*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.05*	
26 05 33 13-2439	EA 3" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	350.94	67.71
	For Work In Restricted Working Space, Add	*50.78*	
	For Installation Above 14', Add	*25.39*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.78*	
26 05 33 13-2440	EA 3-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	503.64	83.66
	For Work In Restricted Working Space, Add	*63.20*	
	For Installation Above 14', Add	*31.60*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*63.20*	
26 05 33 13-2441	EA 4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	608.70	100.51
	For Work In Restricted Working Space, Add	*75.38*	
	For Installation Above 14', Add	*37.69*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.38*	

26 05 33 13-2442 Threaded, Malleable Iron Conduit Body *(26 05 33 13-2385)*

26 05 33 13-2443 Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2442)*

26 05 33 13-2444	EA 1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	45.36	14.45
	For Work In Restricted Working Space, Add	*10.83*	
	For Installation Above 14', Add	*5.42*	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2445	EA	3/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	52.72	16.55
		For Work In Restricted Working Space, Add	*12.41*	
		For Installation Above 14', Add	*6.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.41*	
26 05 33 13-2446	EA	1" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	65.04	19.26
		For Work In Restricted Working Space, Add	*14.44*	
		For Installation Above 14', Add	*7.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.44*	
26 05 33 13-2447	EA	1-1/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	85.24	21.97
		For Work In Restricted Working Space, Add	*16.48*	
		For Installation Above 14', Add	*8.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.48*	
26 05 33 13-2448	EA	1-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	97.38	24.07
		For Work In Restricted Working Space, Add	*18.06*	
		For Installation Above 14', Add	*9.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.06*	
26 05 33 13-2449	EA	2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	134.47	28.88
		For Work In Restricted Working Space, Add	*21.67*	
		For Installation Above 14', Add	*10.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.67*	
26 05 33 13-2450	EA	2-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	228.97	40.63
		For Work In Restricted Working Space, Add	*30.47*	
		For Installation Above 14', Add	*15.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.47*	
26 05 33 13-2451	EA	3" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	325.47	54.17
		For Work In Restricted Working Space, Add	*40.63*	
		For Installation Above 14', Add	*20.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.63*	
26 05 33 13-2452	EA	3-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	450.64	67.71
		For Work In Restricted Working Space, Add	*50.78*	
		For Installation Above 14', Add	*25.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.78*	
26 05 33 13-2453	EA	4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	538.85	82.45
		For Work In Restricted Working Space, Add	*61.84*	
		For Installation Above 14', Add	*30.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.84*	

26 05 33 13-2454 Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2442)*

26 05 33 13-2455	EA	1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	47.50	14.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.83*	
26 05 33 13-2456	EA	3/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	53.35	16.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.41*	
26 05 33 13-2457	EA	1" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	68.31	19.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.44*	
26 05 33 13-2458	EA	1-1/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	87.43	21.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.48*	
26 05 33 13-2459	EA	1-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	100.06	24.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.06*	
26 05 33 13-2460	EA	2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	128.97	28.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.67*	
26 05 33 13-2461	EA	2-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	198.42	40.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.47*	
26 05 33 13-2462	EA	3" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	270.54	54.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.63*	
26 05 33 13-2463	EA	3-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	482.99	67.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.78*	
26 05 33 13-2464	EA	4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	562.71	82.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.84*	

26 05 33 13-2465 Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2442)*

26 05 33 13-2466	EA	1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	56.65	16.55
		For Work In Restricted Working Space, Add	*12.41*	
		For Installation Above 14', Add	*6.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.41*	
26 05 33 13-2467	EA	3/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	66.76	19.26
		For Work In Restricted Working Space, Add	*14.67*	
		For Installation Above 14', Add	*7.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.67*	
26 05 33 13-2468	EA	1" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	79.68	21.06
		For Work In Restricted Working Space, Add	*15.80*	
		For Installation Above 14', Add	*7.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.80*	
26 05 33 13-2469	EA	1-1/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	101.28	24.07
		For Work In Restricted Working Space, Add	*17.83*	
		For Installation Above 14', Add	*8.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.83*	
26 05 33 13-2470	EA	1-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	116.49	26.48
		For Work In Restricted Working Space, Add	*19.86*	
		For Installation Above 14', Add	*9.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.86*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2471		EA	2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	156.28	31.00
			For Work In Restricted Working Space, Add	*23.25*	
			For Installation Above 14', Add	*11.62*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.25*	
26 05 33 13-2472		EA	2-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	195.51	45.14
			For Work In Restricted Working Space, Add	*33.86*	
			For Installation Above 14', Add	*16.93*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.86*	
26 05 33 13-2473		EA	3" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	284.06	58.68
			For Work In Restricted Working Space, Add	*44.01*	
			For Installation Above 14', Add	*22.01*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.01*	
26 05 33 13-2474		EA	3-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	509.21	72.23
			For Work In Restricted Working Space, Add	*54.17*	
			For Installation Above 14', Add	*27.08*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.17*	
26 05 33 13-2475		EA	4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	587.65	86.97
			For Work In Restricted Working Space, Add	*65.45*	
			For Installation Above 14', Add	*32.73*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.45*	
26 05 33 13-2476			Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2442)*		
26 05 33 13-2477		EA	1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	45.52	14.45
			For Work In Restricted Working Space, Add	*10.83*	
			For Installation Above 14', Add	*5.42*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.83*	
26 05 33 13-2478		EA	3/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	55.49	16.55
			For Work In Restricted Working Space, Add	*12.41*	
			For Installation Above 14', Add	*6.21*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.41*	
26 05 33 13-2479		EA	1" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	65.07	18.96
			For Work In Restricted Working Space, Add	*14.22*	
			For Installation Above 14', Add	*7.11*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.22*	
26 05 33 13-2480		EA	1-1/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	89.27	21.97
			For Work In Restricted Working Space, Add	*16.48*	
			For Installation Above 14', Add	*8.24*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.48*	
26 05 33 13-2481		EA	1-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	104.94	24.07
			For Work In Restricted Working Space, Add	*18.06*	
			For Installation Above 14', Add	*9.03*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.06*	
26 05 33 13-2482		EA	2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	136.63	28.88
			For Work In Restricted Working Space, Add	*21.67*	
			For Installation Above 14', Add	*10.83*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.67*	
26 05 33 13-2483		EA	2-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	301.13	76.21
			For Work In Restricted Working Space, Add	*57.13*	
			For Installation Above 14', Add	*28.57*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*57.13*	
26 05 33 13-2484		EA	3" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	293.61	54.17
			For Work In Restricted Working Space, Add	*40.63*	
			For Installation Above 14', Add	*20.31*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.63*	
26 05 33 13-2485		EA	3-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	482.99	67.71
			For Work In Restricted Working Space, Add	*50.78*	
			For Installation Above 14', Add	*25.39*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.78*	
26 05 33 13-2486		EA	4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	562.70	82.45
			For Work In Restricted Working Space, Add	*61.84*	
			For Installation Above 14', Add	*30.92*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.84*	
26 05 33 13-2487			Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2442)*		
26 05 33 13-2488		EA	1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	64.32	18.96
			For Work In Restricted Working Space, Add	*14.22*	
			For Installation Above 14', Add	*7.11*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.22*	
26 05 33 13-2489		EA	3/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	70.23	21.06
			For Work In Restricted Working Space, Add	*15.80*	
			For Installation Above 14', Add	*7.90*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.80*	
26 05 33 13-2490		EA	1" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	82.03	23.17
			For Work In Restricted Working Space, Add	*17.38*	
			For Installation Above 14', Add	*8.69*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.38*	
26 05 33 13-2491		EA	1-1/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	98.02	26.48
			For Work In Restricted Working Space, Add	*19.86*	
			For Installation Above 14', Add	*9.93*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2492	EA	1-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	113.75	28.88
		For Work In Restricted Working Space, Add	*21.67*	
		For Installation Above 14', Add	*10.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.67*	
26 05 33 13-2493	EA	2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	161.06	35.51
		For Work In Restricted Working Space, Add	*26.63*	
		For Installation Above 14', Add	*13.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.63*	
26 05 33 13-2494	EA	2-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	259.21	52.06
		For Work In Restricted Working Space, Add	*39.05*	
		For Installation Above 14', Add	*19.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.05*	
26 05 33 13-2495	EA	3" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	383.73	67.71
		For Work In Restricted Working Space, Add	*50.78*	
		For Installation Above 14', Add	*25.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.78*	
26 05 33 13-2496	EA	3-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	579.99	83.66
		For Work In Restricted Working Space, Add	*62.75*	
		For Installation Above 14', Add	*31.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*62.75*	
26 05 33 13-2497	EA	4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	645.02	100.51
		For Work In Restricted Working Space, Add	*75.38*	
		For Installation Above 14', Add	*37.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.38*	

26 05 33 13-2498 Set Screw, Cast Aluminum Conduit Body *(26 05 33 13-2385)*

26 05 33 13-2499 Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2498)*

26 05 33 13-2500	EA	1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	22.33	5.71
		For Work In Restricted Working Space, Add	*4.29*	
		For Installation Above 14', Add	*2.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.29*	
26 05 33 13-2501	EA	3/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	28.46	7.52
		For Work In Restricted Working Space, Add	*5.64*	
		For Installation Above 14', Add	*2.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.64*	
26 05 33 13-2502	EA	1" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	38.90	9.32
		For Work In Restricted Working Space, Add	*7.00*	
		For Installation Above 14', Add	*3.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.00*	
26 05 33 13-2503	EA	1-1/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	50.74	11.44
		For Work In Restricted Working Space, Add	*8.57*	
		For Installation Above 14', Add	*4.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.57*	
26 05 33 13-2504	EA	1-1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	67.58	13.24
		For Work In Restricted Working Space, Add	*9.93*	
		For Installation Above 14', Add	*4.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.93*	
26 05 33 13-2505	EA	2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	90.67	15.05
		For Work In Restricted Working Space, Add	*11.29*	
		For Installation Above 14', Add	*5.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.29*	

26 05 33 13-2506 Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2498)*

26 05 33 13-2507	EA	1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	22.55	5.71
		For Work In Restricted Working Space, Add	*4.29*	
		For Installation Above 14', Add	*2.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.29*	
26 05 33 13-2508	EA	3/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	29.31	7.52
		For Work In Restricted Working Space, Add	*5.64*	
		For Installation Above 14', Add	*2.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.64*	
26 05 33 13-2509	EA	1" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	35.95	9.32
		For Work In Restricted Working Space, Add	*7.00*	
		For Installation Above 14', Add	*3.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.00*	
26 05 33 13-2510	EA	1-1/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	50.49	11.44
		For Work In Restricted Working Space, Add	*8.57*	
		For Installation Above 14', Add	*4.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.57*	
26 05 33 13-2511	EA	1-1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	62.68	13.24
		For Work In Restricted Working Space, Add	*9.93*	
		For Installation Above 14', Add	*4.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.93*	
26 05 33 13-2512	EA	2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	90.25	15.05
		For Work In Restricted Working Space, Add	*11.29*	
		For Installation Above 14', Add	*5.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.29*	

26 05 33 13-2513 Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2498)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2514	EA	1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	28.92	7.52
		For Work In Restricted Working Space, Add	*5.64*	
		For Installation Above 14', Add	*2.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.64*	
26 05 33 13-2515	EA	3/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	37.89	9.32
		For Work In Restricted Working Space, Add	*7.00*	
		For Installation Above 14', Add	*3.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.00*	
26 05 33 13-2516	EA	1" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	45.61	11.44
		For Work In Restricted Working Space, Add	*8.57*	
		For Installation Above 14', Add	*4.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.57*	
26 05 33 13-2517	EA	1-1/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	64.01	13.24
		For Work In Restricted Working Space, Add	*10.38*	
		For Installation Above 14', Add	*5.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.38*	
26 05 33 13-2518	EA	1-1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	82.77	15.05
		For Work In Restricted Working Space, Add	*12.19*	
		For Installation Above 14', Add	*6.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.19*	
26 05 33 13-2519	EA	2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	112.86	16.85
		For Work In Restricted Working Space, Add	*13.99*	
		For Installation Above 14', Add	*7.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.99*	

26 05 33 13-2520 Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2498)*

26 05 33 13-2521	EA	1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	23.27	5.71
		For Work In Restricted Working Space, Add	*4.29*	
		For Installation Above 14', Add	*2.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.29*	
26 05 33 13-2522	EA	3/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	31.19	7.52
		For Work In Restricted Working Space, Add	*5.64*	
		For Installation Above 14', Add	*2.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.64*	
26 05 33 13-2523	EA	1" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	39.97	9.32
		For Work In Restricted Working Space, Add	*7.00*	
		For Installation Above 14', Add	*3.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.00*	
26 05 33 13-2524	EA	1-1/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	52.02	11.44
		For Work In Restricted Working Space, Add	*8.57*	
		For Installation Above 14', Add	*4.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.57*	
26 05 33 13-2525	EA	1-1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	35.65	13.24
		For Work In Restricted Working Space, Add	*9.93*	
		For Installation Above 14', Add	*4.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.93*	
26 05 33 13-2526	EA	2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	98.43	15.05
		For Work In Restricted Working Space, Add	*11.29*	
		For Installation Above 14', Add	*5.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.29*	

26 05 33 13-2527 Aluminum Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) *(26 05 33 13-2385)*

26 05 33 13-2528	EA	3/4" To 1-1/4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB120)	91.63	16.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 05 33 13-2529	EA	1-1/2" To 2-1/2" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB250)	324.01	30.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.86*	
26 05 33 13-2530	EA	3" To 4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB400)	625.15	61.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.38*	

26 05 33 13-2531 Replacement Covers And Gaskets For Conduit Body *(26 05 33 13-2385)*

26 05 33 13-2532 Replacement Stamped Aluminum Conduit Body Cover *(26 05 33 13-2531)*

26 05 33 13-2533	1/2" Replacement Stamped Aluminum Conduit Body Cover	8.13	2.94
26 05 33 13-2534	3/4" Replacement Stamped Aluminum Conduit Body Cover	10.01	3.42
26 05 33 13-2535	1" Replacement Stamped Aluminum Conduit Body Cover	12.81	4.40
26 05 33 13-2536	1-1/4" Replacement Stamped Aluminum Conduit Body Cover	15.59	5.38
26 05 33 13-2537	1-1/2" Replacement Stamped Aluminum Conduit Body Cover	19.25	6.36
26 05 33 13-2538	2" Replacement Stamped Aluminum Conduit Body Cover	22.91	7.34
26 05 33 13-2539	2-1/2" Replacement Stamped Aluminum Conduit Body Cover	30.87	8.31
26 05 33 13-2540	3" Replacement Stamped Aluminum Conduit Body Cover	39.40	11.74
26 05 33 13-2541	3-1/2" Replacement Stamped Aluminum Conduit Body Cover	42.74	13.20
26 05 33 13-2542	4" Replacement Stamped Aluminum Conduit Body Cover	53.87	16.62

26 05 33 13-2543 Replacement Cast Steel Conduit Body Cover *(26 05 33 13-2531)*

26 05 33 13-2544	1/2" Replacement Cast Steel Conduit Body Cover	9.67	2.94
26 05 33 13-2545	3/4" Replacement Cast Steel Conduit Body Cover	11.35	3.42
26 05 33 13-2546	1" Replacement Cast Steel Conduit Body Cover	16.12	4.40
26 05 33 13-2547	1-1/4" Replacement Cast Steel Conduit Body Cover	20.07	5.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2548		1-1/2" Replacement Cast Steel Conduit Body Cover	24.47	6.36
26 05 33 13-2549		2" Replacement Cast Steel Conduit Body Cover	28.88	7.34
26 05 33 13-2550		2-1/2" Replacement Cast Steel Conduit Body Cover	33.24	8.31
26 05 33 13-2551		3" Replacement Cast Steel Conduit Body Cover	45.00	11.74
26 05 33 13-2552		3-1/2" Replacement Cast Steel Conduit Body Cover	51.56	13.20
26 05 33 13-2553		4" Replacement Cast Steel Conduit Body Cover	65.03	16.62
26 05 33 13-2554		Replacement Velbuna Composition Conduit Body Gasket *(26 05 33 13-2531)*		
26 05 33 13-2555		1/2" Replacement Velbuna Composition Conduit Body Gasket	7.44	2.94
26 05 33 13-2556		3/4" Replacement Velbuna Composition Conduit Body Gasket	8.47	3.42
26 05 33 13-2557		1" Replacement Velbuna Composition Conduit Body Gasket	11.09	4.40
26 05 33 13-2558		1-1/4" Replacement Velbuna Composition Conduit Body Gasket	14.55	5.38
26 05 33 13-2559		1-1/2" Replacement Velbuna Composition Conduit Body Gasket	16.50	6.36
26 05 33 13-2560		2" Replacement Velbuna Composition Conduit Body Gasket	19.73	7.34
26 05 33 13-2561		2-1/2" Replacement Velbuna Composition Conduit Body Gasket	26.52	8.31
26 05 33 13-2562		3" Replacement Velbuna Composition Conduit Body Gasket	33.97	11.74
26 05 33 13-2563		3-1/2" Replacement Velbuna Composition Conduit Body Gasket	37.60	13.20
26 05 33 13-2564		4" Replacement Velbuna Composition Conduit Body Gasket	44.38	16.62
26 05 33 13-2565		Replacement Neoprene Conduit Body Gasket *(26 05 33 13-2531)*		
26 05 33 13-2566		1/2" Replacement Neoprene Conduit Body Gasket	8.51	2.94
26 05 33 13-2567		3/4" Replacement Neoprene Conduit Body Gasket	9.49	3.42
26 05 33 13-2568		1" Replacement Neoprene Conduit Body Gasket	12.43	4.40
26 05 33 13-2569		1-1/4" Replacement Neoprene Conduit Body Gasket	15.23	5.38
26 05 33 13-2570		1-1/2" Replacement Neoprene Conduit Body Gasket	17.18	6.36
26 05 33 13-2571		2" Replacement Neoprene Conduit Body Gasket	19.80	7.34
26 05 33 13-2572		2-1/2" Replacement Neoprene Conduit Body Gasket	26.69	8.31
26 05 33 13-2573		3" Replacement Neoprene Conduit Body Gasket	34.14	11.74
26 05 33 13-2574		3-1/2" Replacement Neoprene Conduit Body Gasket	38.74	13.20
26 05 33 13-2575		4" Replacement Neoprene Conduit Body Gasket	45.52	16.62

26 05 33 16 Boxes For Electrical Systems *(26 05 33)*

See CSI section 26 27 16 00-0000 for larger junction boxes and enclosures.

26 05 33 16-0001 Steel Junction, Device, And Fixture Boxes, Rings And Covers *(26 05 33 16)*

Note: Thin wall metal. See CSI section 26 27 26 00-0003 for steel box/receptacle assemblies, 26 27 26 00-0114 for steel box/switch assemblies.

26 05 33 16-0002 4" Square Steel Boxes, Rings And Covers *(26 05 33 16-0001)*

26 05 33 16-0003	EA	1-1/2" Depth, 4" Square Steel Box	26.58	12.35
		For Stud Bracket, Add	*0.46*	
26 05 33 16-0004	EA	2-1/8" Depth, 4" Square Steel Box	27.43	12.35
		For Stud Bracket, Add	*0.83*	
26 05 33 16-0005	EA	3-1/2" Depth, 4" Square Steel Box	30.38	12.35
		For Stud Bracket, Add	*0.91*	
26 05 33 16-0006	EA	1-1/2" Depth, 4" Square Steel Extension Ring	20.66	8.23
26 05 33 16-0007	EA	2-1/8" Depth, 4" Square Steel Extension Ring	17.68	8.23
26 05 33 16-0008	EA	1/2" Depth, 1 Gang, 4" Square Steel Mud Ring	9.13	4.12
26 05 33 16-0009	EA	5/8" Depth, 1 Gang, 4" Square Steel Mud Ring	9.27	4.12
26 05 33 16-0010	EA	3/4" Depth, 1 Gang, 4" Square Steel Mud Ring	9.37	4.12
26 05 33 16-0011	EA	1" Depth, 1 Gang, 4" Square Steel Mud Ring	9.68	4.12
26 05 33 16-0012	EA	1-1/4" Depth, 1 Gang, 4" Square Steel Mud Ring	9.78	4.12
26 05 33 16-0013	EA	1-1/2" Depth, 1 Gang, 4" Square Steel Mud Ring	10.80	4.12
26 05 33 16-0014	EA	1/2" Depth, 2 Gang, 4" Square Steel Mud Ring	9.52	4.12
26 05 33 16-0015	EA	5/8" Depth, 2 Gang, 4" Square Steel Mud Ring	9.61	4.12
26 05 33 16-0016	EA	3/4" Depth, 2 Gang, 4" Square Steel Mud Ring	9.74	4.12
26 05 33 16-0017	EA	1" Depth, 2 Gang, 4" Square Steel Mud Ring	10.78	4.12
26 05 33 16-0018	EA	1-1/4" Depth, 2 Gang, 4" Square Steel Mud Ring	10.99	4.12
26 05 33 16-0019	EA	1-1/2" Depth, 2 Gang, 4" Square Steel Mud Ring	12.32	4.12
26 05 33 16-0020	EA	3/4" Depth, Fixture Cover, 4" Square Mud Rings	10.02	4.12
26 05 33 16-0021	EA	1" Depth, Fixture Cover, 4" Square Mud Rings	10.87	4.12
26 05 33 16-0022	EA	One Toggle Switch, 4" Square Steel Exposed Work Cover	9.50	4.12
26 05 33 16-0023	EA	Two Toggle Switches, 4" Square Steel Exposed Work Cover	9.58	4.12
26 05 33 16-0024	EA	One Duplex Receptacle, 4" Square Steel Exposed Work Cover	9.48	4.12
26 05 33 16-0025	EA	Two Duplex Receptacles, 4" Square Steel Exposed Work Cover	9.71	4.12
26 05 33 16-0026	EA	One Toggle Switch And One Duplex Receptacle, 4" Square Steel Exposed Work Cover	9.89	4.12
26 05 33 16-0027	EA	One Toggle Switch And One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover	12.23	4.12
26 05 33 16-0028	EA	One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover	9.86	4.12
26 05 33 16-0029	EA	Two 1.406" Diameter Receptacles, 4" Square Steel Exposed Work Cover	12.23	4.12
26 05 33 16-0030	EA	One 1.620" Diameter Receptacle, 4" Square Steel Exposed Work Cover	9.86	4.12
26 05 33 16-0031	EA	One 1.719" Diameter Receptacle, 4" Square Steel Exposed Work Cover	10.41	4.12
26 05 33 16-0032	EA	One 2.165" Diameter Receptacle, 4" Square Steel Exposed Work Cover	12.23	4.12
26 05 33 16-0033	EA	One 2.480" Diameter Receptacle, 4" Square Steel Exposed Work Cover	12.23	4.12
26 05 33 16-0034	EA	Flat, 4" Square Steel Exposed Work Cover	8.83	4.12

26 05 33 16-0035 4-11/16" Square Steel Boxes, Rings And Covers *(26 05 33 16-0001)*

26 05 33 16-0036	EA	1-1/2" Depth, 4-11/16" Square Steel Box	29.75	12.35

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0037	EA	2-1/8" Depth, 4-11/16" Square Steel Box	27.81	12.35
		For Stud Bracket, Add	*0.44*	
26 05 33 16-0038	EA	3-1/4" Depth, 4-11/16" Square Steel Box	37.55	12.35
26 05 33 16-0039	EA	1-1/2" Depth, 4-11/16" Square Extension Ring	21.47	8.23
26 05 33 16-0040	EA	2-1/8" Depth, 4-11/16" Square Extension Ring	21.94	8.23
26 05 33 16-0041	EA	1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	11.07	4.12
26 05 33 16-0042	EA	5/8" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	11.09	4.12
26 05 33 16-0043	EA	3/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	11.92	4.12
26 05 33 16-0044	EA	1" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	11.59	4.12
26 05 33 16-0045	EA	1-1/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	11.51	4.12
26 05 33 16-0046	EA	1-1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	14.95	4.12
26 05 33 16-0047	EA	1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	11.73	4.12
26 05 33 16-0048	EA	5/8" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	11.91	4.12
26 05 33 16-0049	EA	3/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	11.92	4.12
26 05 33 16-0050	EA	1" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	13.14	4.12
26 05 33 16-0051	EA	1-1/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	13.39	4.12
26 05 33 16-0052	EA	1-1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	16.34	4.12
26 05 33 16-0053	EA	1/2" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring	11.57	4.12
26 05 33 16-0054	EA	5/8" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring	11.65	4.12
26 05 33 16-0055	EA	One Toggle Switch, 4-11/16" Square Steel Exposed Work Cover	13.94	4.12
26 05 33 16-0056	EA	Two Toggle Switches, 4-11/16" Square Steel Exposed Work Cover	14.58	4.12
26 05 33 16-0057	EA	One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover	13.75	4.12
26 05 33 16-0058	EA	Two Duplex Receptacles, 4-11/16" Square Steel Exposed Work Cover	13.05	4.12
26 05 33 16-0059	EA	One Toggle Switch And One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover	15.38	4.12
26 05 33 16-0060	EA	One 1.594" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover	14.57	4.12
26 05 33 16-0061	EA	One 2.141" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover	14.57	4.12
26 05 33 16-0062	EA	One 2.625" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover	14.57	4.12
26 05 33 16-0063	EA	Flat, 4-11/16" Square Steel Exposed Work Cover	9.36	4.12
26 05 33 16-0064		**Steel Square Box Brackets** *(26 05 33 16-0001)*		
26 05 33 16-0065	EA	16" Or 24" Width Box Bracket, For Multiple 1-1/2" And 2-1/8" Deep Boxes	13.24	6.18
26 05 33 16-0066	EA	Single Box Bracket, One 4" Or 4-11/16" Square Box	9.58	4.13
26 05 33 16-0067	EA	16" Box Bracket, Up To Three 4" Or 4-11/16" Square Boxes	15.31	6.18
26 05 33 16-0068	EA	24" Box Bracket, Up To Four 4" Or 4-11/16" Square Boxes	16.37	6.18
26 05 33 16-0069		**4" Octagon Steel Boxes And Covers** *(26 05 33 16-0001)*		
26 05 33 16-0070	EA	1-1/2" Depth, 4" Steel Octagon Box	22.13	10.28
		For Stud Bracket, Add	*1.13*	
26 05 33 16-0071	EA	2-1/8" Depth, 4" Steel Octagon Box	22.88	10.28
26 05 33 16-0072	EA	Flat, 4" Octagon Steel Exposed Work Cover	8.78	4.12
26 05 33 16-0073		**4" Steel Octagonal Concrete Rings And Steel Covers** *(26 05 33 16-0001)*		
		Note: Placed in concrete slabs or walls.		
26 05 33 16-0074	EA	2" Depth, 4" Steel Octagonal Concrete Ring	36.30	
26 05 33 16-0075	EA	2-1/2" Depth, 4" Steel Octagonal Concrete Ring	38.51	
26 05 33 16-0076	EA	3" Depth, 4" Steel Octagonal Concrete Ring	40.30	
26 05 33 16-0077	EA	3-1/2" Depth, 4" Steel Octagonal Concrete Ring	42.05	
26 05 33 16-0078	EA	4" Depth, 4" Steel Octagonal Concrete Ring	45.76	
26 05 33 16-0079	EA	5" Depth, 4" Steel Octagonal Concrete Ring	49.59	
26 05 33 16-0080	EA	6" Depth, 4" Steel Octagonal Concrete Ring	52.63	
26 05 33 16-0081	EA	Flat, 4" Steel Octagonal Concrete Cover	9.82	4.12
26 05 33 16-0082		**4-1/2" Steel Gang Boxes** *(26 05 33 16-0001)*		
26 05 33 16-0083	EA	2 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	32.75	10.28
26 05 33 16-0084	EA	3 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	35.94	11.10
26 05 33 16-0085	EA	4 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	43.05	12.35
26 05 33 16-0086	EA	5 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	55.79	13.58
26 05 33 16-0087	EA	6 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	81.89	14.81
26 05 33 16-0088	EA	2 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	44.33	10.28
26 05 33 16-0089	EA	3 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	48.28	11.10
26 05 33 16-0090	EA	4 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	63.89	12.35
26 05 33 16-0091	EA	5 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	81.70	13.58
26 05 33 16-0092	EA	6 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	133.14	14.81
26 05 33 16-0093	EA	2 Device, Gang Box Mud Ring	14.25	4.12
26 05 33 16-0094	EA	3 Device, Gang Box Mud Ring	14.45	4.12
26 05 33 16-0095	EA	4 Device, Gang Box Mud Ring	16.68	4.12
26 05 33 16-0096	EA	5 Device, Gang Box Mud Ring	20.52	4.12
26 05 33 16-0097	EA	6 Device, Gang Box Mud Ring	28.94	4.12
26 05 33 16-0098	EA	2 Device, Gang Box Flat Cover	12.34	4.12
26 05 33 16-0099	EA	3 Device, Gang Box Flat Cover	14.43	4.12
26 05 33 16-0100	EA	4 Device, Gang Box Flat Cover	17.20	4.12
26 05 33 16-0101	EA	5 Device, Gang Box Flat Cover	20.73	4.12
26 05 33 16-0102	EA	6 Device, Gang Box Flat Cover	29.53	4.12
26 05 33 16-0103		**Steel Switch Boxes** *(26 05 33 16-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0104	EA	2-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box	23.57	10.28
26 05 33 16-0105	EA	2-3/4" Depth, 3" x 2", Stud Bracket, Steel Switch Box	23.89	10.28
26 05 33 16-0106	EA	3-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box	25.57	10.28
26 05 33 16-0107	EA	2-1/2" Depth, 2 Device, Stud Bracket, Steel Box	29.32	10.28
26 05 33 16-0108	EA	2-1/2" Depth, 3 Device, Stud Bracket, Steel Box	29.65	10.28
26 05 33 16-0109	EA	2-1/2" Depth, 4 Device, Stud Bracket, Steel Box	34.74	10.28
26 05 33 16-0110		4" x 2" Steel Handy Boxes, Extension Rings And Covers *(26 05 33 16-0001)*		
26 05 33 16-0111	EA	1-1/2" Deep, 4" x 2" Steel Handy Box	22.04	10.28
		For Stud Bracket, Add	*1.81*	
26 05 33 16-0112	EA	1-7/8" Deep, 4" x 2" Steel Handy Box	22.39	10.28
		For Stud Bracket, Add	*0.78*	
26 05 33 16-0113	EA	2-1/8" Deep, 4" x 2" Steel Handy Box	23.16	10.28
		For Stud Bracket, Add	*1.06*	
26 05 33 16-0114	EA	1-1/2" Deep, 4" x 2" Steel Handy Box Extension Ring	14.45	6.17
26 05 33 16-0115	EA	1-7/8" Deep, 4" x 2" Steel Handy Box Extension Ring	14.11	6.17
26 05 33 16-0116	EA	GFI Receptacle, 2" x 4" Steel Handy Box Exposed Work Cover	4.88	2.05
26 05 33 16-0117	EA	1.406" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	4.94	2.05
26 05 33 16-0118	EA	Duplex Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	4.62	2.05
26 05 33 16-0119	EA	Toggle Switch, 4" x 2" Steel Handy Box Exposed Work Cover	4.64	2.05
26 05 33 16-0120	EA	1.594" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	5.30	2.05
26 05 33 16-0121	EA	Flat, 2" x 4" Steel Handy Box Exposed Work Cover	4.64	2.05
26 05 33 16-0122		3"-1/2" Depth, 3-3/4" Steel Masonry Boxes *(26 05 33 16-0001)*		
26 05 33 16-0123	EA	1 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	32.87	14.40
26 05 33 16-0124	EA	2 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	36.59	15.22
26 05 33 16-0125	EA	3 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	41.73	16.46
26 05 33 16-0126	EA	4 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	47.41	18.10
26 05 33 16-0127		Cast Boxes *(26 05 33 16)* Note: For flush or surface mount.		
26 05 33 16-0128		Cast Iron Alloy Boxes *(26 05 33 16-0127)* See CSI section 26 27 26 00-0243 for box covers.		
26 05 33 16-0129		Shallow, Single Gang Cast Iron Alloy Boxes *(26 05 33 16-0128)* Note: Up to 2" deep boxes.		
26 05 33 16-0130	EA	1/2" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box Note: One hub.	70.47	24.69
26 05 33 16-0131	EA	3/4" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box Note: One hub.	75.94	28.80
26 05 33 16-0132	EA	1" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box Note: One hub.	89.44	34.98
26 05 33 16-0133	EA	1/2" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box Note: Two hub.	88.11	32.91
26 05 33 16-0134	EA	3/4" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box Note: Two hub.	112.59	39.09
26 05 33 16-0135	EA	1/2" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box Note: Two hub.	87.75	32.91
26 05 33 16-0136	EA	3/4" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	105.51	39.09
26 05 33 16-0137	EA	1/2" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	90.03	32.91
26 05 33 16-0138	EA	3/4" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	105.54	39.09
26 05 33 16-0139	EA	1/2" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	87.75	32.91
26 05 33 16-0140	EA	3/4" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	102.73	39.09
26 05 33 16-0141	EA	1/2" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	104.58	41.14
26 05 33 16-0142	EA	3/4" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	123.77	49.37
26 05 33 16-0143	EA	1/2" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	108.95	41.14
26 05 33 16-0144	EA	3/4" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	140.43	49.37
26 05 33 16-0145	EA	1/2" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	111.80	41.14
26 05 33 16-0146	EA	3/4" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	133.58	49.37
26 05 33 16-0147	EA	1/2" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	104.21	41.14
26 05 33 16-0148	EA	3/4" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	135.51	49.37
26 05 33 16-0149	EA	1/2" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box Note: Four hubs.	132.79	49.37
26 05 33 16-0150	EA	3/4" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box Note: Four hubs.	160.20	59.66

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0151		Deep, Single Gang Cast Iron Alloy Boxes *(26 05 33 16-0128)*			
		Note: >2" deep boxes.			
26 05 33 16-0152	EA	1/2" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box		73.69	24.69
		Note: One hub.			
26 05 33 16-0153	EA	3/4" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box		84.87	28.80
		Note: One hub.			
26 05 33 16-0154	EA	1" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box		99.74	34.98
		Note: One hub.			
26 05 33 16-0155	EA	1/2" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box		93.99	32.91
		Note: Two hubs.			
26 05 33 16-0156	EA	3/4" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box		108.54	39.09
		Note: Two hubs.			
26 05 33 16-0157	EA	1" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box		130.45	47.32
		Note: Two hubs.			
26 05 33 16-0158	EA	3/4" Depth, Type FDS, Deep, Single Gang Cast Iron Alloy Box		116.56	39.09
		Note: Two hubs.			
26 05 33 16-0159	EA	3/4" Depth, Type FDCC, Deep, Single Gang Cast Iron Alloy Box		149.93	49.37
		Note: Three hubs.			
26 05 33 16-0160		Shallow, Two Gang Cast Iron Alloy Boxes *(26 05 33 16-0128)*			
		Note: Up to 2" deep boxes.			
26 05 33 16-0161	EA	1/2" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box		84.71	26.74
		Note: One hub.			
26 05 33 16-0162	EA	3/4" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box		93.89	30.86
		Note: One hub.			
26 05 33 16-0163	EA	1" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box		109.10	37.03
		Note: One hub.			
26 05 33 16-0164	EA	1/2" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box		102.71	34.98
		Note: Two hubs.			
26 05 33 16-0165	EA	3/4" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box		116.71	41.14
		Note: Two hubs.			
26 05 33 16-0166		Deep, Two Gang Cast Iron Alloy Boxes *(26 05 33 16-0128)*			
		Note: >2" deep boxes.			
26 05 33 16-0167	EA	1/2" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box		94.37	26.74
		Note: One hub.			
26 05 33 16-0168	EA	3/4" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box		102.97	30.86
		Note: One hub.			
26 05 33 16-0169	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box		117.25	34.98
		Note: Two hubs.			
26 05 33 16-0170	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box		132.07	41.14
		Note: Two hubs.			
26 05 33 16-0171		Cast Aluminum Boxes *(26 05 33 16-0127)*			
		See CSI section 26 27 26 00-0243 for box covers.			
26 05 33 16-0172		Shallow, Single Gang Cast Aluminum Boxes *(26 05 33 16-0171)*			
		Note: Up to 2" deep boxes.			
26 05 33 16-0173	EA	1/2" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box		62.24	20.58
		Note: One hub.			
26 05 33 16-0174	EA	3/4" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box		71.31	24.69
		Note: One hub.			
26 05 33 16-0175	EA	1" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box		79.36	30.86
		Note: One hub.			
26 05 33 16-0176	EA	1/2" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box		58.49	20.58
		Note: One hub.			
26 05 33 16-0177	EA	3/4" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box		73.95	24.69
		Note: One hub.			
26 05 33 16-0178	EA	1/2" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box		79.06	28.80
		Note: Two hubs.			
26 05 33 16-0179	EA	3/4" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box		95.00	34.98
		Note: Two hubs.			
26 05 33 16-0180	EA	1" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box		119.18	43.21
		Note: Two hubs.			
26 05 33 16-0181	EA	1/2" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box		85.58	28.80
		Note: Two hubs.			
26 05 33 16-0182	EA	3/4" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box		91.83	34.98
		Note: Two hubs.			
26 05 33 16-0183	EA	1/2" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box		81.87	28.80
		Note: Two hubs.			
26 05 33 16-0184	EA	3/4" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box		94.04	34.98
		Note: Two hubs.			
26 05 33 16-0185	EA	1/2" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box		79.48	28.80
		Note: Two hubs.			
26 05 33 16-0186	EA	3/4" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box		94.04	34.98
		Note: Two hubs.			
26 05 33 16-0187	EA	1/2" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box		73.95	28.80
		Note: Two hubs.			
26 05 33 16-0188	EA	3/4" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box		99.92	34.98
		Note: Two hubs.			

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0189	EA	1/2" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	94.23	37.03
26 05 33 16-0190	EA	3/4" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	114.50	45.26
26 05 33 16-0191	EA	1/2" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	99.96	37.03
26 05 33 16-0192	EA	3/4" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	134.35	45.26
26 05 33 16-0193	EA	1/2" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	99.48	37.03
26 05 33 16-0194	EA	3/4" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	122.05	45.26
26 05 33 16-0195	EA	3/4" Depth, Type FST, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	123.75	45.26
26 05 33 16-0196	EA	1/2" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box Note: Four hubs.	121.30	45.26
26 05 33 16-0197	EA	3/4" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box Note: Four hubs.	148.07	55.55
26 05 33 16-0198		Deep, Single Gang Cast Aluminum Boxes *(26 05 33 16-0171)* Note: >2" deep boxes.		
26 05 33 16-0199	EA	1/2" Depth, Type FD, Deep, Single Gang Cast Aluminum Box Note: One hub.	68.89	20.58
26 05 33 16-0200	EA	3/4" Depth, Type FD, Deep, Single Gang Cast Aluminum Box Note: One hub.	82.53	24.69
26 05 33 16-0201	EA	1" Depth, Type FD, Deep, Single Gang Cast Aluminum Box Note: One hub.	94.78	30.86
26 05 33 16-0202	EA	3/4" Depth, Type FDA, Deep, Single Gang Cast Aluminum Box Note: One hub.	88.60	24.69
26 05 33 16-0203	EA	1/2" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	87.66	28.80
26 05 33 16-0204	EA	3/4" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	105.56	34.98
26 05 33 16-0205	EA	1" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	118.19	43.21
26 05 33 16-0206	EA	3/4" Depth, Type FDS, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	106.96	34.98
26 05 33 16-0207	EA	3/4" Depth, Type FDCC, Deep, Single Gang Cast Aluminum Box Note: Three hubs.	130.91	45.26
26 05 33 16-0208		Shallow, Two Gang Cast Aluminum Boxes *(26 05 33 16-0171)* Note: Up to 2" deep boxes.		
26 05 33 16-0209	EA	1/2" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	82.31	22.63
26 05 33 16-0210	EA	3/4" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	94.29	26.74
26 05 33 16-0211	EA	1" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	101.40	32.91
26 05 33 16-0212	EA	1/2" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	102.97	30.86
26 05 33 16-0213	EA	3/4" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	105.21	37.03
26 05 33 16-0214	EA	1" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	129.94	45.26
26 05 33 16-0215		Deep, Two Gang Cast Aluminum Boxes *(26 05 33 16-0171)* Note: >2" deep boxes.		
26 05 33 16-0216	EA	1/2" Depth, Type FD, Deep, Two Gang Cast Aluminum Box Note: One hub.	82.24	22.63
26 05 33 16-0217	EA	3/4" Depth, Type FD, Deep, Two Gang Cast Aluminum Box Note: One hub.	95.20	26.74
26 05 33 16-0218	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	105.05	30.86
26 05 33 16-0219	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	119.11	37.03
26 05 33 16-0220	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	105.05	30.86
26 05 33 16-0221	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	119.11	37.03
26 05 33 16-0222		Shallow, Three Gang Cast Aluminum Boxes *(26 05 33 16-0171)* Note: Up to 2" deep boxes.		
26 05 33 16-0223	EA	1/2" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box Note: Two hubs.	110.28	32.91
26 05 33 16-0224	EA	3/4" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box Note: Two hubs.	123.80	39.09
26 05 33 16-0225		Deep, Three Gang Cast Aluminum Boxes *(26 05 33 16-0171)* Note: >2" deep boxes.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0226	EA	3/4" Depth, Type FD, Deep, Three Gang Cast Aluminum Box Note: One hub.	125.43	28.80
26 05 33 16-0227	EA	1" Depth, Type FD, Deep, Three Gang Cast Aluminum Box Note: One hub.	139.91	34.98
26 05 33 16-0228		**Cast Aluminum Explosion Proof Outlet Bodies** *(26 05 33 16-0127)* Note: Class I, Div. 1 & 2; Class II, Div. 1 & 2; and Class III.		
26 05 33 16-0229	EA	1/2" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body	129.90	32.91
26 05 33 16-0230	EA	3/4" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body	160.91	37.03
26 05 33 16-0231	EA	1" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body	147.36	41.14
26 05 33 16-0232	EA	1/2" Depth, Type GRSSA, 13 Opening, Cast Aluminum Explosion Proof Outlet Body	143.96	37.03
26 05 33 16-0233	EA	3/4" Depth, 13 Hubs, Explosion Proof Conduit Outlet Box With Cover Cast Aluminum, Type GRSSA	175.43	41.14
26 05 33 16-0234		**Non Metallic (PVC) Boxes** *(26 05 33 16)* See CSI section 26 27 26 00-0243 for box covers.		
26 05 33 16-0235		**Shallow, Single Gang Non Metallic (PVC) Boxes** *(26 05 33 16-0234)*		
26 05 33 16-0236	EA	1/2" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box Note: One hub.	41.77	17.28
26 05 33 16-0237	EA	3/4" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box Note: One hub.	47.75	20.17
26 05 33 16-0238	EA	1" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box Note: One hub.	54.50	24.49
26 05 33 16-0239	EA	1/2" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box Note: Two hubs.	53.51	23.04
26 05 33 16-0240	EA	3/4" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box Note: Two hubs.	62.89	27.36
26 05 33 16-0241	EA	1" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box Note: Two hubs.	76.29	33.12
26 05 33 16-0242	EA	1/2" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box Note: Two hubs.	53.70	23.04
26 05 33 16-0243	EA	3/4" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box Note: Two hubs.	62.38	27.36
26 05 33 16-0244	EA	1" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box Note: Two hubs.	74.55	33.12
26 05 33 16-0245	EA	1/2" Depth, Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box Note: Three hubs.	67.80	28.80
26 05 33 16-0246	EA	3/4" Depth, Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box Note: Three hubs.	77.31	34.56
26 05 33 16-0247	EA	1" Depth, Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box Note: Three hubs.	91.11	41.76
26 05 33 16-0248		**Deep, Single Gang Non Metallic (PVC) Boxes** *(26 05 33 16-0234)*		
26 05 33 16-0249	EA	No Hub, Type FD, Deep, Single Gang Non Metallic (PVC) Box Note: No hubs.	42.33	17.28
26 05 33 16-0250	EA	1/2" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box Note: One hub.	41.34	17.28
26 05 33 16-0251	EA	3/4" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box Note: One hub.	49.09	20.17
26 05 33 16-0252	EA	1" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box Note: One hub.	55.05	24.49
26 05 33 16-0253	EA	1/2" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box Note: Two hubs.	54.62	23.04
26 05 33 16-0254	EA	3/4" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box Note: Two hubs.	61.45	27.36
26 05 33 16-0255	EA	1" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box Note: Two hubs.	73.47	33.12
26 05 33 16-0256		**Shallow, Two Gang Non Metallic (PVC) Boxes** *(26 05 33 16-0234)*		
26 05 33 16-0257	EA	1/2" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box Note: One hub.	44.94	18.72
26 05 33 16-0258	EA	3/4" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box Note: One hub.	51.50	21.60
26 05 33 16-0259	EA	1" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box Note: One hub.	57.49	25.92
26 05 33 16-0260	EA	1/2" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box Note: Two hubs.	55.17	24.49
26 05 33 16-0261	EA	3/4" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box Note: Two hubs.	68.17	28.80
26 05 33 16-0262	EA	1" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box Note: Two hubs.	80.68	34.56
26 05 33 16-0263	EA	1/2" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box Note: Two hubs.	56.48	24.49
26 05 33 16-0264	EA	3/4" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box Note: Two hubs.	71.79	28.80
26 05 33 16-0265	EA	1" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box Note: Two hubs.	77.78	34.56
26 05 33 16-0266	EA	1/2" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box Note: Three hubs.	69.07	30.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0267	EA	3/4" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box Note: Three hubs.	90.74	36.00
26 05 33 16-0268	EA	1" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box Note: Three hubs.	93.90	43.21
26 05 33 16-0269		**Poke Thru Units** *(26 05 33 16)*		
26 05 33 16-0270		**Surface Poke Thru Units** *(26 05 33 16-0269)* Note: Excludes concrete drilling. See CSI section 27 11 19 00-0123 for jacks.		
26 05 33 16-0271	EA	Single 20 Amp Duplex Receptacle RC3 Power And Communications Poke Thru Unit. Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC3ATCAL.	379.39	30.86
26 05 33 16-0272	EA	Retrofit Kit Upgrades Existing RC3 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements Note: Includes 20 Amp duplex receptacle. Tile or carpet with brushed aluminum flange with black nonmetallic cover. Wiremold RC3KTCAL.	242.25	
26 05 33 16-0273	EA	Replacement 20 Amp Duplex Receptacle For RC3 Series Power And Communications Poke Thru Unit Note: Wiremold RC37REC.	33.10	8.23
26 05 33 16-0274	EA	Abandonment Plate For RC3 Series Power And Communications Poke Thru Unit Note: Wiremold RC3APTCBK.	40.57	4.12
26 05 33 16-0275	EA	Four 20 Amp Receptacles RC4 Power And Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC4ATCAL.	429.29	32.91
26 05 33 16-0276	EA	Retrofit Kit Upgrades Existing RC4 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements Note: Includes two 20 Amp duplex receptacles. Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC4KTCAL.	226.69	
26 05 33 16-0277	EA	Replacement Two 20 Amp Duplex Receptacles For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold RC4REC2.	56.91	12.35
26 05 33 16-0278	EA	Abandonment Plate For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold RC4APTCBK.	40.57	4.12
26 05 33 16-0279	EA	Abandonment Plug For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold ABPLUG4.	118.61	8.23
26 05 33 16-0280	EA	Four Jack RC9AMD Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Includes bezels to accept four Ortronics TracJack inserts and two Ortronics Series II inserts. Excludes communication jacks. Wiremold RC9AMDTCAL.	339.41	28.80
26 05 33 16-0281	EA	Abandonment Plate For RC9 Series Communications Poke Thru Unit Note: Wiremold RC9APTCBK.	28.07	4.12
26 05 33 16-0282	EA	Eight Jack AMD8 Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Includes bezels to accept eight Ortronics TracJack inserts and four Ortronics Series II inserts. Excludes communication jacks. Wiremold AMD8ATCAL.	337.83	28.80
26 05 33 16-0283	EA	Communication Conduit Adapter For Poke Thru Units Note: Includes two conduit connections for communication systems. Wiremold COM75.	39.20	4.12
26 05 33 16-0284		**Recessed Poke Thru Units** *(26 05 33 16-0269)* Note: Excludes concrete drilling.		
26 05 33 16-0285		**Evolution 6AT Poke Thru Units** *(26 05 33 16-0284)* Note: Excludes concrete drilling.		
26 05 33 16-0286	EA	Recessed Prewired Assembly With Surface Style Cover (Wiremold 6ATCP) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	569.74	32.91
26 05 33 16-0287	EA	Recessed Prewired Assembly With Flush Style Cover (Wiremold 6ATP) Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	569.81	32.91
26 05 33 16-0288	EA	Recessed Assembly With Surface Style Cover (Wiremold 6ATC) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	543.16	32.91
26 05 33 16-0289	EA	Recessed Assembly With Flush Style Cover (Wiremold 6AT) Note: For tile, wood or laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	543.16	32.91
26 05 33 16-0290	EA	Recessed Prewired Audio/Video Assembly With Surface Style Cover (Wiremold 6ATCPA) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	569.74	32.91
26 05 33 16-0291	EA	Recessed Prewired Audio/Video Assembly With Flush Style Cover (Wiremold 6ATPA) Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	569.74	32.91
26 05 33 16-0292	EA	Recessed Furniture Feed Assembly With Surface Style Cover (Wiremold 6ATCFF) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Die-cast aluminum cover assembly provides one (1) 3/4" trade size screw plug opening and one (1) concentric 2"-1 1/4" trade size screw plug opening and is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	520.66	32.91
26 05 33 16-0293	EA	Recessed Assembly With Disposable Plate (Wiremold 6STC) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. No device plates are included. For use with the following cover assemblies (purchased separately): 6CTC, 6CT, and 6CFFTC Series.	327.32	30.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0294	EA	Recessed Prewired Audio/Video Assembly With Disposable Plate (Wiremold 6STCPAV) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies(purchased separately): 6CTC and 6CT Series.	350.83	30.86
26 05 33 16-0295	EA	Recessed Prewired Assembly With Disposable Plate (Wiremold 6STCP) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 6CTC and 6CT Series.	353.16	30.86
26 05 33 16-0296	EA	6" Pre-Pour Poke-Thru Sleeve (Wiremold 6PPS) Note: Nonmetallic sleeve attaches to structural decking and maintains 6"-6 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	100.77	16.46
26 05 33 16-0297	EA	Surface Style Cover Assembly (Wiremold 6CTC) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CTC Series cover assemblies designed for use with 6STC, 6STCP, and 6STCPAV Poke-Thru Stem Assemblies.	229.19	8.23
26 05 33 16-0298	EA	Flush Style Cover Assembly (Wiremold 6CT) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CT Series cover assemblies designed for use with 6STC, 6STCP and 6STCPAV Poke-Thru Stem Assemblies. Includes one (1) 6TS Tile Shim.	229.19	8.23
26 05 33 16-0299	EA	Furniture Feed Cover Assembly (Wiremold 6CFFTC) Note: Surface style, die-cast aluminum cover assembly, with one (1) 3/4" trade size screw plug opening, and one (1) concentric 2"-1 1/4" trade size screw plug opening. Cover assembly is available in finishes: black (BK), gray(GY), nickel (NK), brass (BS), and bronze (BZ). 6CFFTC Series Cover Assemblies designed for use with 6STC Poke- Thru Stem Assembly. Includes one (1) 3/4" and one (1) 2" trade size conduit fittings and one (1) divider to separate services.	190.64	8.23
26 05 33 16-0300	EA	Tile Shim (Wiremold 6TS) Note: Used for floor coverings greater than 5/16" The 6TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" of adjustment.	27.66	2.05
26 05 33 16-0301	EA	Device Mounting Plate (Wiremold 6AAP) Note: Device plate that will accept up to two (2) Extron® Electronics AAP style plates. For use in the center compartment only. Devices supplied by others.	13.82	4.12
26 05 33 16-0302	EA	Device Mounting Plate (Wiremold 6ACT8A) Note: Device plate that will accept up to eight (8) ports of communication devices. For use in the center compartment only. Devices supplied by others.	15.91	4.12
26 05 33 16-0303	EA	Device Mounting Plate (Wiremold 6B) Note: Device plate used to blank off center compartment, when no devices are used.	13.76	4.12
26 05 33 16-0304	EA	Device Mounting Plate (Wiremold 6DEC) Note: Device plate that will accept Decorator style devices such as 20A receptacles, GFCIs, 106 adapters or A/V devices. For use in the center compartment only. Devices supplied by others.	13.80	4.12
26 05 33 16-0305	EA	Device Mounting Plate (Wiremold 6DP) Note: Device plate that will accept standard 20A duplex receptacle or duplex Turnlok receptacle. For use in the center compartment only. Devices supplied by others.	13.71	4.12
26 05 33 16-0306	EA	Device Mounting Plate (Wiremold 6MAAP) Note: Device plate that will accept up to six (6) Extron® Electronics MAAP style plates. For use in the center compartment only. Devices supplied by others.	16.13	4.12
26 05 33 16-0307	EA	Device Mounting Plate (Wiremold 6MAAP2A) Note: Combination device plate that will accept up to three (3) Extron® Electronics MAAP style plates, and up to two (2) ports of communication devices. For use in the center compartment only. Devices supplied by others.	15.96	4.12
26 05 33 16-0308	EA	Mosaic Mounting Plate (Wiremold 6MOS) Note: Device plate will accept two (2) standard [45mm x 45mm] or one (1) standard [45mm x 90mm] Mosaic style device(s). Devices supplied by others.	16.34	4.12
26 05 33 16-0309	EA	Device Mounting Plate (Wiremold 6S1) Note: Receptacle opening 1 3/8". For 6" poke-thru units only.	13.51	4.12
26 05 33 16-0310	EA	Device Mounting Plate (Wiremold 6S2) Note: Receptacle opening 1 9/16". For 6" poke-thru units only.	13.52	4.12
26 05 33 16-0311	EA	Device Mounting Plate (Wiremold 6SER) Note: Device plate that will accept up to four (4) Ortronics® Series II dual modular inserts. For use in the center compartment only. Devices supplied by others.	13.34	4.12
26 05 33 16-0312	EA	Device Mounting Plate (Wiremold 6TRAC) Note: Device plate that will accept up to eight (8) Ortronics® TracJack devices. For use in the center compartment only. Devices supplied by others.	13.34	4.12
26 05 33 16-0313	EA	20AMP Duplex Receptacles (Wiremold 68REC) Note: Two (2) proprietary 20AMP duplex power receptacles with mounting plates. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated ground device.	31.82	6.17
26 05 33 16-0314	EA	Device Mounting Plate (Wiremold 68B) Note: Blank plate. Used to blank off either of the side compartments when no devices or cabling are to be used.	12.24	4.12
26 05 33 16-0315	EA	Device Mounting Plate (Wiremold 68MAAP) Note: Device plate that will accept up to two (2) Extron® Electronics MAAP device plates. For use in either of the two side compartments only. Not for use in the center compartment. Extron Devices supplied by others.	12.54	4.12
26 05 33 16-0316	EA	20AMP Duplex Receptacles (Wiremold 68REC-25) Note: Two (2) proprietary 20AMP duplex power receptacles with mounting plates and 25' leads. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated	99.03	7.41
26 05 33 16-0317	EA	Device Mounting Plate (Wiremold 682A) Note: Device plate that will accept up to two (2) ports of communication devices. For use in either of the two side compartments only. Not for use in the center compartment. Communication devices supplied by others.	15.77	4.12
26 05 33 16-0318	EA	Bottom Housing Assembly (Wiremold 5PTHA) Note: Half-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required. For use on side compartments only.	16.42	4.12
26 05 33 16-0319	EA	Bottom Housing Assembly (Wiremold 5BLH) Note: Half-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required. For use on side compartments only. Includes tunnels for 6" and 8" poke-thru devices.	16.88	4.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0320	EA	Bottom Housing Assembly (Wiremold 152CHA) Note: One and a half-gang 2" trade size conduit housing assembly. Recommended for use with furniture feed devices (6ATCFF). Covers the center compartment and one of the side compartments.	26.09	8.23
26 05 33 16-0321	EA	Bottom Housing Assembly (Wiremold 575CHA) Note: Half-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections. For use on side compartments only.	29.97	10.28
26 05 33 16-0322	EA	Bottom Housing Assembly (Wiremold 175CHA) Note: One-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections.	32.96	10.28
26 05 33 16-0323	EA	Bottom Housing Assembly (Wiremold 1125CHA) Note: One-gang 1 1/4" trade size conduit housing assembly.	25.08	8.23
26 05 33 16-0324	EA	Bottom Housing Assembly (Wiremold 1PTHA) Note: One-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required.	16.31	4.12
26 05 33 16-0325	EA	Bottom Housing Assembly (Wiremold 1BLH) Note: One-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required.	16.31	4.12
26 05 33 16-0326	EA	Bottom Housing Assembly (Wiremold 15FFHA) Note: One and a half-gang pass through conduit housing assembly. Used for furniture feed applications on the center compartment only. Only for use with 6AT Series units.	17.17	4.12
26 05 33 16-0327	EA	Bottom Housing Assembly (Wiremold 1BHA) Note: One-gang bottom housing assembly. Designed to accept 175CHA, 1125CHA, 1PTHA, and 1BLH plates.	17.75	4.12
26 05 33 16-0328		Evolution 8AT Poke Thru Units *(26 05 33 16-0284)* Note: Excludes concrete drilling.		
26 05 33 16-0329	EA	Recessed Prewired Assembly With Surface Style Cover (Wiremold 8ATCP) Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	746.55	32.91
26 05 33 16-0330	EA	Recessed Prewired Assembly With Flush Style Cover (Wiremold 8ATP) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	710.68	32.91
26 05 33 16-0331	EA	Recessed Assembly With Surface Style Cover (Wiremold 8ATC) Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	703.93	32.91
26 05 33 16-0332	EA	Recessed Assembly With Flush Style Cover (Wiremold 8AT) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	697.53	32.91
26 05 33 16-0333	EA	Recessed Assembly With Disposable Plate (Wiremold 8STC) Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	422.23	30.86
26 05 33 16-0334	EA	Recessed Prewired Assembly With Disposable Plate (Wiremold 8STCP) Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	472.76	30.86
26 05 33 16-0335	EA	8" Pre-Pour Poke-Thru Sleeve (Wiremold 8PPS) Note: Nonmetallic sleeve attaches to structural decking and maintains 8"-8 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	120.49	16.46
26 05 33 16-0336	EA	Surface Style Cover Assembly (Wiremold 8CTC) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies.	247.80	8.23
26 05 33 16-0337	EA	Flush Style Cover Assembly (Wiremold 8CT) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies. Includes one (1) 8TS Tile Shim.	247.80	8.23
26 05 33 16-0338	EA	Tile Shim (Wiremold 8TS) Note: Used for floor coverings greater than 5/16". The 8TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" [9.5mm] of adjustment.	43.00	2.05
26 05 33 16-0339	EA	Device Mounting Plate (Wiremold 8B) Note: Singlegang device plate used to blank off any one (1) of the three (3) gangs in the center compartment, when no devices are used.	14.27	4.12
26 05 33 16-0340	EA	Device Mounting Plate (Wiremold 8DP) Note: Singlegang device plate that accepts standard 20A duplex receptacle or a duplex Turnlok receptacle. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	14.35	4.12
26 05 33 16-0341	EA	Device Mounting Plate (Wiremold 8DEC) Note: Singlegang device plate that will accept Decorator style devices such as 20A receptacles, GGCIs, 106 adapters or A/V devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	14.44	4.12
26 05 33 16-0342	EA	Device Mounting Plate (Wiremold 8ACT6A) Note: Singlegang device plate that will accept up to six (6) ports of communication devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	16.68	4.12
26 05 33 16-0343	EA	Mosaic Mounting Plate (Wiremold 8MOS) Note: Device plate accepts three (3) standard Mosaic devices. Devices supplied by others.	20.13	4.12
26 05 33 16-0344	EA	Crestron Double Gang Plate (Wiremold 8CREST) Note: Device plate accepts Crestron double-gang decorator style devices.	20.10	4.12
26 05 33 16-0345	EA	Device Mounting Plate (Wiremold 8S1) Note: Receptacle opening 1 3/8". For 8" poke-thru units only.	13.85	4.12
26 05 33 16-0346	EA	Device Mounting Plate (Wiremold 8S2) Note: Receptacle opening 1 9/16". For 8" poke-thru units only.	14.02	4.12

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0347	EA	Device Mounting Plate (Wiremold 8TRAC) Note: Singlegang device plate that will accept up to six (6) Ortronics TracJack devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	13.85	4.12
26 05 33 16-0348	EA	Device Mounting Plate (Wiremold 8SER) Note: Singlegang device plate that will accept up to three (3) Ortronics Series II dual modular inserts. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	13.85	4.12
26 05 33 16-0349	EA	Device Mounting Plate (Wiremold 8MAAP) Note: Singlegang device plate that will accept up to four (4) Extron® Electronics MAAP style plates. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	19.82	4.12
26 05 33 16-0350	EA	Device Mounting Plate (Wiremold 8AAP) Note: Twogang device plate that will accept up to four (4) Extron® Electronics AAP style plates. 8AAP takes up 2 of the 3 gangs in the center compartment. Devices supplied by others.	16.58	4.12
26 05 33 16-0351	EA	8" Divider (Wiremold 8DIV) Note: Divider allows for separation of services when required.	19.06	4.12
26 05 33 16-0352	EA	Bottom Housing Assembly (Wiremold 22CHA) Note: Two-gang 2" trade size conduit housing assembly. Used on 8AT Series devices. Covers two (2) of the three (3) gangs in the center compartment. Only for use with 8AT Series units.	26.09	8.23

26 05 33 23 Surface Raceways For Electrical Systems *(26 05 33)*

26 05 33 23-0001 Raceways *(26 05 33 23)*

26 05 33 23-0002 Wireway With Screw Cover *(26 05 33 23-0001)*

Note: Also known as wire trough. Galvanized steel construction. Mounted exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation.

26 05 33 23-0003 2-1/2" x 2-1/2", Wireway With Screw Cover *(26 05 33 23-0002)*

26 05 33 23-0004	LF	2-1/2" x 2-1/2", NEMA 1, Surface Mounted Wireway With Screw Cover	14.85	3.76
		For Combination Hinged Screw Cover, Add	*0.37*	
		For Concrete Or Masonry Surface, Add	*0.38*	
26 05 33 23-0005	EA	2-1/2" x 2-1/2", End Plate For Surface Mounted Wireway With Screw Cover	13.95	5.64
		For Combination Hinged Screw Cover, Add	*0.13*	
26 05 33 23-0006	EA	2-1/2" x 2-1/2", Coupling For Surface Mounted Wireway With Screw Cover	16.73	7.04
		For Combination Hinged Screw Cover, Add	*0.13*	
26 05 33 23-0007	EA	2-1/2" x 2-1/2", Panel Adapter For Surface Mounted Wireway With Screw Cover	34.12	13.16
		For Combination Hinged Screw Cover, Add	*0.39*	
26 05 33 23-0008	EA	2-1/2" x 2-1/2", Elbow For Surface Mounted Wireway With Screw Cover	49.64	13.16
		For Combination Hinged Screw Cover, Add	*1.17*	
26 05 33 23-0009	EA	2-1/2" x 2-1/2", Tee For Surface Mounted Wireway With Screw Cover	73.00	18.73
		For Combination Hinged Screw Cover, Add	*1.78*	
26 05 33 23-0010	EA	2-1/2" x 2-1/2", Cross For Surface Mounted Wireway With Screw Cover	81.75	20.69
		For Combination Hinged Screw Cover, Add	*2.02*	

26 05 33 23-0011 4" x 4", Wireway With Screw Cover *(26 05 33 23-0002)*

26 05 33 23-0012	LF	4" x 4", NEMA 1, Surface Mounted Wireway With Screw Cover	18.25	4.74
		For Combination Hinged Screw Cover, Add	*0.44*	
		For Concrete Or Masonry Surface, Add	*0.47*	
26 05 33 23-0013	LF	4" x 4", NEMA 3R, Surface Mounted Wireway With Screw Cover	30.29	4.74
		For Combination Hinged Screw Cover, Add	*1.04*	
		For Concrete Or Masonry Surface, Add	*0.47*	
26 05 33 23-0014	EA	4" x 4", End Plate For Surface Mounted Wireway With Screw Cover	11.04	4.14
		For Combination Hinged Screw Cover, Add	*0.14*	
26 05 33 23-0015	EA	4" x 4", Coupling For Surface Mounted Wireway With Screw Cover	18.57	7.90
		For Combination Hinged Screw Cover, Add	*0.14*	
26 05 33 23-0016	EA	4" x 4", Panel Adapter For Surface Mounted Wireway With Screw Cover	40.67	16.10
		For Combination Hinged Screw Cover, Add	*0.42*	
26 05 33 23-0017	EA	4" x 4", Elbow For Surface Mounted Wireway With Screw Cover	57.73	16.10
		For Combination Hinged Screw Cover, Add	*1.28*	
26 05 33 23-0018	EA	4" x 4", Tee For Surface Mounted Wireway With Screw Cover	80.51	20.91
		For Combination Hinged Screw Cover, Add	*1.93*	
26 05 33 23-0019	EA	4" x 4", Cross For Surface Mounted Wireway With Screw Cover	93.19	24.45
		For Combination Hinged Screw Cover, Add	*2.21*	

26 05 33 23-0020 6" x 6", Wireway With Screw Cover *(26 05 33 23-0002)*

26 05 33 23-0021	LF	6" x 6", NEMA 1, Surface Mounted Wireway With Screw Cover	26.37	5.64
		For Combination Hinged Screw Cover, Add	*0.75*	
		For Concrete Or Masonry Surface, Add	*0.57*	
26 05 33 23-0022	LF	6" x 6", NEMA 3R, Surface Mounted Wireway With Screw Cover	47.48	5.64
		For Combination Hinged Screw Cover, Add	*1.81*	
		For Concrete Or Masonry Surface, Add	*0.57*	
26 05 33 23-0023	EA	6" x 6", End Plate For Surface Mounted Wireway With Screw Cover	13.48	4.51
		For Combination Hinged Screw Cover, Add	*0.22*	
26 05 33 23-0024	EA	6" x 6", Coupling For Surface Mounted Wireway With Screw Cover	23.27	9.40
		For Combination Hinged Screw Cover, Add	*0.22*	
26 05 33 23-0025	EA	6" x 6", Panel Adapter For Surface Mounted Wireway With Screw Cover	54.73	18.73
		For Combination Hinged Screw Cover, Add	*0.87*	
26 05 33 23-0026	EA	6" x 6", Elbow For Surface Mounted Wireway With Screw Cover	72.75	18.73
		For Combination Hinged Screw Cover, Add	*1.77*	
26 05 33 23-0027	EA	6" x 6", Tee For Surface Mounted Wireway With Screw Cover	110.27	23.40
		For Combination Hinged Screw Cover, Add	*3.18*	
26 05 33 23-0028	EA	6" x 6", Cross For Surface Mounted Wireway With Screw Cover	120.71	27.08
		For Combination Hinged Screw Cover, Add	*3.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0029		**8" x 8", Wireway With Screw Cover** *(26 05 33 23-0002)*		
26 05 33 23-0030	LF	8" x 8", NEMA 1, Surface Mounted Wireway With Screw Cover	40.55	6.17
		For Combination Hinged Screw Cover, Add	*1.41*	
		For Concrete Or Masonry Surface, Add	*0.62*	
26 05 33 23-0031	LF	8" x 8", NEMA 3R, Surface Mounted Wireway With Screw Cover	70.61	6.17
		For Combination Hinged Screw Cover, Add	*2.92*	
		For Concrete Or Masonry Surface, Add	*0.62*	
26 05 33 23-0032	EA	8" x 8", End Plate For Surface Mounted Wireway With Screw Cover	14.81	4.89
		For Combination Hinged Screw Cover, Add	*0.25*	
26 05 33 23-0033	EA	8" x 8", Coupling For Surface Mounted Wireway With Screw Cover	25.33	10.16
		For Combination Hinged Screw Cover, Add	*0.25*	
26 05 33 23-0034	EA	8" x 8", Panel Adapter For Surface Mounted Wireway With Screw Cover	60.92	20.61
		For Combination Hinged Screw Cover, Add	*0.98*	
26 05 33 23-0035	EA	8" x 8", Elbow For Surface Mounted Wireway With Screw Cover	90.18	20.61
		For Combination Hinged Screw Cover, Add	*2.45*	
26 05 33 23-0036	EA	8" x 8", Tee For Surface Mounted Wireway With Screw Cover	130.80	25.43
		For Combination Hinged Screw Cover, Add	*4.00*	
26 05 33 23-0037	EA	8" x 8", Cross For Surface Mounted Wireway With Screw Cover	179.48	30.85
		For Combination Hinged Screw Cover, Add	*5.89*	
26 05 33 23-0038		**10" x 10", Wireway With Screw Cover** *(26 05 33 23-0002)*		
26 05 33 23-0039	LF	10" x 10", NEMA 1, Surface Mounted Wireway With Screw Cover	57.68	7.15
		For Combination Hinged Screw Cover, Add	*2.17*	
		For Concrete Or Masonry Surface, Add	*0.72*	
26 05 33 23-0040	LF	10" x 10", NEMA 3R, Surface Mounted Wireway With Screw Cover	98.36	7.15
		For Combination Hinged Screw Cover, Add	*4.20*	
		For Concrete Or Masonry Surface, Add	*0.72*	
26 05 33 23-0041	EA	10" x 10", End Plate For Surface Mounted Wireway With Screw Cover	19.91	5.64
		For Combination Hinged Screw Cover, Add	*0.43*	
26 05 33 23-0042	EA	10" x 10", Coupling For Surface Mounted Wireway With Screw Cover	31.19	11.29
		For Combination Hinged Screw Cover, Add	*0.43*	
26 05 33 23-0043	EA	10" x 10", Panel Adapter For Surface Mounted Wireway With Screw Cover	77.84	22.42
		For Combination Hinged Screw Cover, Add	*1.65*	
26 05 33 23-0044	EA	10" x 10", Elbow For Surface Mounted Wireway With Screw Cover	135.89	22.42
		For Combination Hinged Screw Cover, Add	*4.55*	
26 05 33 23-0045	EA	10" x 10", Tee For Surface Mounted Wireway With Screw Cover	201.70	28.28
		For Combination Hinged Screw Cover, Add	*7.26*	
26 05 33 23-0046	EA	10" x 10", Cross For Surface Mounted Wireway With Screw Cover	282.09	31.97
		For Combination Hinged Screw Cover, Add	*10.91*	
26 05 33 23-0047		**12" x 12", Wireway With Screw Cover** *(26 05 33 23-0002)*		
26 05 33 23-0048	LF	12" x 12", NEMA 1, Surface Mounted Wireway With Screw Cover	67.89	8.65
		For Combination Hinged Screw Cover, Add	*2.53*	
		For Concrete Or Masonry Surface, Add	*0.87*	
26 05 33 23-0049	LF	12" x 12", NEMA 3R, Surface Mounted Wireway With Screw Cover	108.77	8.65
		For Combination Hinged Screw Cover, Add	*4.57*	
		For Concrete Or Masonry Surface, Add	*0.87*	
26 05 33 23-0050	EA	12" x 12", End Plate For Surface Mounted Wireway With Screw Cover	25.22	6.02
		For Combination Hinged Screw Cover, Add	*0.66*	
26 05 33 23-0051	EA	12" x 12", Coupling For Surface Mounted Wireway With Screw Cover	37.25	12.04
		For Combination Hinged Screw Cover, Add	*0.66*	
26 05 33 23-0052	EA	12" x 12", Panel Adapter For Surface Mounted Wireway With Screw Cover	98.73	24.45
		For Combination Hinged Screw Cover, Add	*2.49*	
26 05 33 23-0053	EA	12" x 12", Elbow For Surface Mounted Wireway With Screw Cover	175.61	24.45
		For Combination Hinged Screw Cover, Add	*6.34*	
26 05 33 23-0054	EA	12" x 12", Tee For Surface Mounted Wireway With Screw Cover	225.49	30.10
		For Combination Hinged Screw Cover, Add	*8.27*	
26 05 33 23-0055	EA	12" x 12", Cross For Surface Mounted Wireway With Screw Cover	357.14	33.86
		For Combination Hinged Screw Cover, Add	*14.47*	
26 05 33 23-0056		**Surface Metal Raceways** *(26 05 33 23-0001)*		
		Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation.		
26 05 33 23-0057		**One Piece Surface Metal Raceways** *(26 05 33 23-0056)*		
		Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).		
26 05 33 23-0058		**3/4" x 17/32" One Piece Surface Metal Raceways (Wiremold #500)** *(26 05 33 23-0057)*		
		Note: Available in ivory.		
26 05 33 23-0059	LF	#500, 3/4" x 17/32" One Piece Surface Metal Raceway	3.30	1.13
		For Concrete Or Masonry Surface, Add	*0.11*	
26 05 33 23-0060	EA	#502 Bushing	3.25	1.50
26 05 33 23-0061	EA	#504 One Or Two Hole Strap	3.29	1.50
26 05 33 23-0062	EA	#506 Connection Cover	3.40	1.50
26 05 33 23-0063	EA	#511 Flat 90 Degree Elbow	5.13	1.80
26 05 33 23-0064	EA	#512 Flat 45 Degree Elbow	8.44	1.88
26 05 33 23-0065	EA	#517 Adjustable Internal Elbow	6.38	2.26

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0066		EA	#518 Adjustable External Elbow	6.24	2.26
26 05 33 23-0067			3/4" x 21/32" One Piece Surface Metal Raceways (Wiremold #700) *(26 05 33 23-0057)*		
			Note: Available in ivory and white.		
26 05 33 23-0068		LF	#700, 3/4" x 21/32" One Piece Surface Metal Raceway	4.20	1.50
			For Concrete Or Masonry Surface, Add	*0.15*	
26 05 33 23-0069		EA	#702 Bushing	3.34	1.50
26 05 33 23-0070		EA	#704 One Or Two Hole Strap	3.45	1.50
26 05 33 23-0071		EA	#706 Connection Cover	3.45	1.50
26 05 33 23-0072		EA	#711 Flat 90 Degree Elbow	7.61	3.01
26 05 33 23-0073		EA	#712 Flat 45 Degree Elbow	11.85	3.01
26 05 33 23-0074		EA	#717 Adjustable Internal Elbow	8.20	3.01
26 05 33 23-0075		EA	#718 Adjustable External Elbow	7.92	3.01
26 05 33 23-0076			One Piece Surface Metal Raceways Fittings (Wiremold #500 And 700 Fittings) *(26 05 33 23-0057)*		
			Note: Available in ivory.		
26 05 33 23-0077		EA	#5700F 18" Flex Fitting, For #500 Or 700	22.61	2.26
26 05 33 23-0078		EA	#5701 Galvanized Coupling, For #500 Or 700	3.41	1.50
26 05 33 23-0079		EA	#5703 Supporting Clip, For #500 Or 700	3.43	1.50
26 05 33 23-0080		EA	#5709 Ground Clamp	9.53	2.26
26 05 33 23-0081		EA	#5711 Twisted Internal Ell (Right Or Left)	9.75	3.01
26 05 33 23-0082		EA	#5715 Tee	11.14	3.76
26 05 33 23-0083		EA	#5719 Corner Box, 2-1/2" x 2-3/8" x 2-1/2"	19.73	3.01
26 05 33 23-0084		EA	#57242 Utility Box For #200, #500 Or #700	14.18	3.01
26 05 33 23-0085		EA	#5731 Blank Cover, 2-3/8" Diameter	7.56	1.88
26 05 33 23-0086		EA	#5733 Outlet Box, 3" Diameter	17.15	3.01
26 05 33 23-0087		EA	#5735 Distribution Box, 4-3/4" Square x 1-3/8" Deep	17.53	3.01
26 05 33 23-0088		EA	#5736 Blank Cover, 4-3/8"	8.02	1.88
26 05 33 23-0089		EA	#5737 Extension Box/Open Base, 4-3/4" Diameter	16.42	3.01
26 05 33 23-0090		EA	#5737A Extension Box/Open Base, 5-1/2" Diameter	16.66	3.01
26 05 33 23-0091		EA	#5739A Extension Box/Open Base, 6-3/8" Diameter	18.68	3.01
26 05 33 23-0092		EA	#5738 Fixture Box/Solid Base, 4-3/4" Diameter	15.71	3.01
26 05 33 23-0093		EA	#5738A Fixture Box/Solid Base, 5-1/2" Diameter	15.88	3.01
26 05 33 23-0094		EA	#5738AF Fan Box/Solid Base, 5-1/2" Diameter	18.03	3.01
26 05 33 23-0095		EA	#5739 Fixture Box/Solid Base, 6-3/8"	17.65	3.01
26 05 33 23-0096		EA	#57240 Standard Switch Box For #200, #500, Or #700	22.00	4.89
26 05 33 23-0097		EA	#57243G Duplex Receptacle And Box, Ground, For #200, #500 Or #700	33.22	9.40
26 05 33 23-0098		EA	#5741 Switch And Receptacle Box For Shallow Type Switches, 2-13/16" x 4-5/8" x 1-3/8"	16.64	4.89
26 05 33 23-0099		EA	#5744 Extra Deep Switch And Receptacle Box, 1 Gang, 4-5/8" x 2-7/8" x 2-3/4"	25.27	4.89
26 05 33 23-0100		EA	#5744-2 Extra Deep Switch And Receptacle Box, 2 Gang, 4-3/4" x 4-3/4" x 2-3/4"	29.26	4.89
26 05 33 23-0101		EA	#5744-3 Extra Deep Switch And Receptacle Box, 3 Gang, 4-5/8" x 6-1/2" x 2-3/4"	42.36	4.89
26 05 33 23-0102		EA	#5744S Signal Box 1 Gang	22.89	4.14
26 05 33 23-0103		EA	#5744S2 Signal Box 2 Gang	25.51	4.14
26 05 33 23-0104		EA	#5744S3 Signal Box 3 Gang	39.52	4.14
26 05 33 23-0105		EA	#5745 Combination Switch And Receptacle Box With 1/2" KO's, 4-5/8" x 2-7/8" x 1-3/4"	16.40	4.89
26 05 33 23-0106		EA	#5747 Shallow Switch And Receptacle Box For Standard Shallow Devices, 1 Gang, 4-5/8" x 2-7/8" x 1-3/8"	15.17	4.89
26 05 33 23-0107		EA	#5747-2 Shallow Switch And Receptacle Box For Standard Shallow Devices, 2 Gang, 4-3/4" x 4-3/4" x 1-3/8"	20.24	4.89
26 05 33 23-0108		EA	#5747-3 Shallow Switch And Receptacle Box For Standard Shallow Devices, 3 Gang, 4-5/8" x 6-1/2" x 2-3/4"	39.50	4.89
26 05 33 23-0109		EA	#5748 Switch And Receptacle Box For Deep Devices, 1 Gang, 4-5/8" x 2-7/8" x 1-3/4"	16.30	4.89
26 05 33 23-0110		EA	#5748-2 Switch And Receptacle Box For Deep Devices, 2 Gang, 4-3/4" x 4-3/4" x 1-3/4"	21.51	4.89
26 05 33 23-0111		EA	#5748-3 Switch And Receptacle Box For Deep Devices, 3 Gang, 4-5/8" x 6-1/2" x 1-3/4"	38.88	4.89
26 05 33 23-0112		EA	#5748-4 Switch And Receptacle Box For Deep Devices, 4 Gang, 4-5/8" x 8-11/32" x 1-3/4"	57.16	4.89
26 05 33 23-0113		EA	#5748-5 Switch And Receptacle Box For Deep Devices, 5 Gang, 4-5/8" x 10-5/32" x 1-3/4"	97.66	4.89
26 05 33 23-0114		EA	#5748-6 Switch And Receptacle Box For Deep Devices, 6 Gang, 4-5/8" x 11-31/32" x 1-3/4"	99.39	4.89
26 05 33 23-0115		EA	#5748-S Shallow Switch And Receptacle Box For Shallow Duplex Devices, 4-3/8" x 2-7/8" x 15/16"	15.40	4.89
26 05 33 23-0116		EA	#5751 Flush-Type Extension Adapter, 1 Gang, 4-5/8" x 2-7/8" x 15/16"	15.60	4.89
26 05 33 23-0117		EA	#5751-2 Flush-Type Extension Adapter, 2 Gang, 4-3/4" x 4-3/4" x 15/16"	21.15	4.89
26 05 33 23-0118		EA	#5751-3 Flush-Type Extension Adapter, 3 Gang, 4-5/8" x 6-1/2" x 15/16"	39.09	4.89
26 05 33 23-0119		EA	#5751A Deep Flush-Type Extension Adapter, 1 Gang, 4-5/8" x 2-7/8" x 1-3/4"	16.38	4.89
26 05 33 23-0120		EA	#5752 Alarm Device Box, 2 Gang, 4-11/16" x 4-11/16" x 1-3/8"	21.31	4.89
26 05 33 23-0121		EA	#5753 Extra Deep Alarm Device Box, 2 Gang, 4-11/16" x 4-11/16" x 2-3/4"	30.84	4.89
26 05 33 23-0122		EA	#5760 Blank Ext. Box	10.44	1.88
26 05 33 23-0123		EA	#5780 Special Nipple, 1/2"	9.83	1.88
26 05 33 23-0124		EA	#5781 1/2" Box Connector	6.55	1.88
26 05 33 23-0125		EA	#5781A 3/4" Box Connector	12.41	2.26
26 05 33 23-0126		EA	#5784 1/2" Elbow Conduit Connector	13.89	2.26
26 05 33 23-0127		EA	#5785 Combination Connector, To Any 3-1/4" Or 4" Outlet Box	7.74	2.26
26 05 33 23-0128		EA	#5782 1/2" Conduit Connector	6.66	1.88
26 05 33 23-0129		EA	#5782A 3/4" Conduit Connector	15.33	2.26
26 05 33 23-0130		EA	#5786 Offset Connector	13.35	2.26
26 05 33 23-0131		EA	#5790B Armor Cable Connector	6.74	1.88
26 05 33 23-0132			1-9/16" x 11/32" One Piece Surface Metal Raceways (Wiremold #1500) *(26 05 33 23-0057)*		
			Note: Galvanized finish.		
26 05 33 23-0133		LF	#1500-10, 1-9/16" x 11/32" One Piece Surface Metal Raceway	5.87	1.88
			For Concrete Or Masonry Surface, Add	*0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0134	EA	#1500WC Wire Clip	3.55	1.50
26 05 33 23-0135	EA	#1502 Bushing	4.41	1.88
26 05 33 23-0136	EA	#1504 2-Hole Strap	5.06	2.26
26 05 33 23-0137	EA	#1511 Flat Elbow	19.64	7.15
26 05 33 23-0138	EA	#1517 Internal Elbow	19.64	7.15
26 05 33 23-0139	EA	#1518 External Elbow	21.13	7.15
26 05 33 23-0140	EA	#1528 Utility Box	19.67	4.89
26 05 33 23-0141	EA	#1542D Junction Box	19.28	4.89
26 05 33 23-0142	EA	#1543GL Duplex Receptacle	37.35	9.40
26 05 33 23-0143	EA	#1546A Single Receptacle Box	21.11	4.89
26 05 33 23-0144	EA	#1546B Duplex Receptacle Box	23.61	4.89
26 05 33 23-0145	EA	#1546T Telephone Box	23.40	4.89
26 05 33 23-0146	EA	#1585 Combination Connection	11.20	2.26
26 05 33 23-0147		2-7/32" x 28/32" One Piece Surface Metal Raceways (Wiremold #2600) *(26 05 33 23-0057)*		
		Note: Galvanized finish.		
26 05 33 23-0148	LF	#2600-10, 2-7/32" x 28/32" One Piece Surface Metal Raceway	10.08	3.39
		For Concrete Or Masonry Surface, Add	*0.34*	
26 05 33 23-0149	EA	#2600WC Wire Clip	3.66	1.50
26 05 33 23-0150	EA	#2602 Fiber Bushing	4.06	1.50
26 05 33 23-0151	EA	#2611 2-5/8 90 Degree Flat Elbow	13.73	2.64
26 05 33 23-0152	EA	#2642D Junction Box, 5" Diameter	20.46	3.76
26 05 33 23-0153	EA	#2686 Service Fitting	20.97	4.51
26 05 33 23-0154		Two Piece Surface Metal Raceways *(26 05 33 23-0056)*		
		Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).		
26 05 33 23-0155		1-9/32" x 3/4" Two Piece Surface Metal Raceways (Wiremold #200) *(26 05 33 23-0154)*		
26 05 33 23-0156	LF	#2000BC, 1-9/32" x 3/4" Two Piece Surface Metal Raceway Base And Cover	5.77	1.88
		For Concrete Or Masonry Surface, Add	*0.19*	
26 05 33 23-0157	EA	#2000WC Wire Clip	2.70	1.50
26 05 33 23-0158	EA	#2001 Coupling	7.32	1.88
26 05 33 23-0159	EA	#2003 Supporting Clip	3.42	1.13
26 05 33 23-0160	EA	#2006 Cover Clip	3.17	1.13
26 05 33 23-0161	EA	#2009 Ground Clamp	7.99	1.88
26 05 33 23-0162	EA	#2010A2 Entrance End Fitting	16.26	5.64
26 05 33 23-0163	EA	#2010A3 Entrance End Fitting	27.08	7.52
26 05 33 23-0164	EA	#2010B Blank End Fitting	4.44	1.88
26 05 33 23-0165	EA	#2011 Flat 90 Degree Elbow	14.02	4.89
26 05 33 23-0166	EA	#2015 Tee	25.26	7.07
26 05 33 23-0167	EA	#2017TC Internal Corner Coupling	9.16	3.76
26 05 33 23-0168	EA	#2048 Single Gang device Box	21.08	6.70
26 05 33 23-0169	EA	#2048-2 2-Gang device Box	32.44	7.45
26 05 33 23-0170	EA	#2051H Flush Plate Adapter	22.81	7.45
26 05 33 23-0171	EA	#2089 Side Reducing Connector	18.63	3.76
26 05 33 23-0172	EA	#2089E End Reducing Connector	7.62	1.88
26 05 33 23-0173		1-7/8" x 7/8" Two Piece Surface Metal Raceways (Wiremold #2400) *(26 05 33 23-0154)*		
		Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0174	LF	#2400B, 1-7/8" x 7/8" Two Piece Surface Metal Raceway Base	4.94	1.88
		For Concrete Or Masonry Surface, Add	*0.19*	
26 05 33 23-0175	LF	#2400C Raceway Cover	1.82	0.38
26 05 33 23-0176	EA	#2400WC Wire Clip	2.69	1.50
26 05 33 23-0177	EA	#2401 Coupling	7.27	1.88
26 05 33 23-0178	EA	#2401D Raceway Coupling	5.71	1.88
26 05 33 23-0179	EA	#2406 Cover Clip	3.27	1.13
26 05 33 23-0180	EA	#2407-2CM or 2407-2TJ Device Bracket Frame	22.91	5.64
26 05 33 23-0181	EA	#2409 Ground Clamp	6.10	1.50
26 05 33 23-0182	EA	#2410A End Fitting	16.06	5.64
26 05 33 23-0183	EA	#2410C Entrance End Fitting	23.32	5.64
26 05 33 23-0184	EA	#2410B Blank End	4.46	1.88
26 05 33 23-0185	EA	#2410D Divided Entrance End Fitting	22.58	5.64
26 05 33 23-0186	EA	#2410FC Full Cap Entrance End Fitting	28.04	5.64
26 05 33 23-0187	EA	#2411D Divided Flat 90 Degree Elbow	17.66	5.64
26 05 33 23-0188	EA	#2411M Flat 90 Degree Elbow	16.94	5.64
26 05 33 23-0189	EA	#2415M Tee	19.84	5.56
26 05 33 23-0190	EA	#2417D Divided Internal Coupling	16.75	5.56
26 05 33 23-0191	EA	#2417M Internal Coupling	16.14	5.56
26 05 33 23-0192	EA	#2418M External Coupling	19.52	5.56
26 05 33 23-0193	EA	#2444 Extra Deep Switch And Receptacle, 1 Gang	25.13	4.89
26 05 33 23-0194	EA	#2444-2 Extra Deep Switch And Receptacle Box, 2 Gang	27.78	4.89
26 05 33 23-0195	EA	#2444-2LS Over Raceway Extra Deep Switch And Receptacle Box, 2 Gang	28.96	4.89
26 05 33 23-0196	EA	#2448 Switch And Receptacle Box For Shallow Devices, 1 Gang, 4-5/8" x 2-7/8" x 1-3/4"	17.90	4.89
26 05 33 23-0197	EA	#2448-2 Switch And Receptacle Box For Shallow Devices, 2 Gang, 4-3/4" x 4-3/4" x 1-3/4"	27.19	4.89
26 05 33 23-0198	EA	#2451H 4-1/2" x 4-1/2" Back Feed Fitting	20.49	5.64

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0199	EA	#2475D Bridge Fitting 2400/700/500	62.71	5.64
26 05 33 23-0200	EA	#2489 Side Reducing Connector	16.89	3.01
26 05 33 23-0201	EA	#2410BD Divided Blank End Fitting	4.56	1.88
26 05 33 23-0202	EA	#2410DFO Divided Entrance End Fitting	36.21	5.64
26 05 33 23-0203	EA	#2411FO Radiused Flat 90 Degree Elbow	24.78	5.56
26 05 33 23-0204	EA	#2411DFO Radiused Divided Flat 90 Degree Elbow	27.54	5.64
26 05 33 23-0205	EA	#2415FO Radiused Tee	28.06	5.56
26 05 33 23-0206	EA	#2415DFO Radiused Divided Tee	29.44	5.56
26 05 33 23-0207	EA	#2417FO Radiused Internal Coupling	24.83	5.56
26 05 33 23-0208	EA	#2417DFO Radiused Divided Internal Coupling	25.55	5.56
26 05 33 23-0209	EA	#2418FO Radiused External Coupling	26.54	5.56
26 05 33 23-0210	EA	#2418DFO Radiused Divided External Coupling	27.21	5.56
26 05 33 23-0211	EA	#2444D Divided Extra Deep Switch And Receptacle, 1 Gang	26.80	4.89
26 05 33 23-0212	EA	#2444D-2A Divided Extra Deep Switch And Receptacle Box, 2 Gang	37.40	4.89
26 05 33 23-0213	EA	#2444D-2N Divided Over Raceway Extra Deep Switch And Receptacle Box, 2 Gang	33.04	4.89
26 05 33 23-0214	EA	#2450 Device Bracket	8.43	1.88

26 05 33 23-0215 2-3/4" x 1-17/32" Two Piece Surface Metal Raceways (Wiremold #3000) *(26 05 33 23-0154)*

Note: Available in gray enamel (G) or ivory (V).

26 05 33 23-0216	LF	#3000B, 2-3/4" x 1-17/32" Two Piece Surface Metal Raceway Base	9.51	3.39
		For Concrete Or Masonry Surface, Add	*0.34*	
26 05 33 23-0217	LF	#3000CE Raceway Cover	2.18	0.38
26 05 33 23-0218	EA	#3000WC Wire Clips For Conductors	3.58	1.50
26 05 33 23-0219	EA	#3001 Couplings	9.38	1.50
26 05 33 23-0220	EA	#3001A Rigid Inside Coupling	8.94	1.88
26 05 33 23-0221	EA	#3003 Supporting Clip	6.71	1.88
26 05 33 23-0222	EA	#3006E Clip Cover	3.93	1.50
26 05 33 23-0223	EA	#3007C Device Brackets	10.07	3.01
26 05 33 23-0224	EA	#3008C C-Hanger	10.90	2.26
26 05 33 23-0225	EA	#3010AE Entrance End Fitting For Connecting To 1/2" Conduit Or Armored Connectors	23.04	7.15
26 05 33 23-0226	EA	#3010B Blank End Fittings	8.60	3.01
26 05 33 23-0227	EA	#3010C Entrance End Fitting For Connecting To Rigid Or Flexible Conduit	25.37	7.15
26 05 33 23-0228	EA	#3011E Flat 90 Degree Elbow	37.57	9.32
26 05 33 23-0229	EA	#3014C Wall Box Connector	28.05	9.40
26 05 33 23-0230	EA	#3015E Tee Fitting	52.32	11.66
26 05 33 23-0231	EA	#3017TCE Internal Corner Coupling	24.92	7.15
26 05 33 23-0232	EA	#3018AE External Corner	30.49	7.15
26 05 33 23-0233	EA	#3027AE Single Receptacle Cover, With Face Diameters Of 1.38"-1.4"	22.05	7.15
26 05 33 23-0234	EA	#3028 Utility Box	37.79	7.15
26 05 33 23-0235	EA	#3033JE Single Receptacle Cover, With Face Diameters Of 1.56"-1.57"	11.51	1.88
26 05 33 23-0236	EA	#3036HE Blank Cover	13.29	1.88
26 05 33 23-0237	EA	#3040CE Switch Cover	11.71	1.88
26 05 33 23-0238	EA	#3044-2 Extra Deep Switch And Receptacle Box, 2 Gang	38.40	7.15
26 05 33 23-0239	EA	#3046BE Duplex Receptacle Cover	12.01	2.26

26 05 33 23-0240 4-3/4" x 1-3/4" Two Piece Surface Metal Raceways (Wiremold #4000) *(26 05 33 23-0154)*

Note: Available in gray enamel (G) or ivory (V).

26 05 33 23-0241	LF	#4000B-10, 4-3/4" x 1-3/4" Two Piece Surface Metal Raceway Base	11.59	3.39
		For Concrete Or Masonry Surface, Add	*0.36*	
26 05 33 23-0242	LF	#4000C Raceway Cover	3.98	0.38
26 05 33 23-0243	LF	#4000D Divider	1.98	0.38
26 05 33 23-0244	EA	#4000WC Wire Clips For Conductors	4.39	1.88
26 05 33 23-0245	EA	#4001A Couplings	11.45	2.26
26 05 33 23-0246	EA	#4001D Divider Clip	5.52	2.26
26 05 33 23-0247	EA	#4007C-1 Device Plate, 1 Gang	12.37	4.89
26 05 33 23-0248	EA	#4007C-1R Single Device Fitting	15.63	4.89
26 05 33 23-0249	EA	#4007C-2 Device Plate, 2 Gang	13.12	4.89
26 05 33 23-0250	EA	#4010B Blank End Fittings	12.15	3.01
26 05 33 23-0251	EA	#4010DFO Entrance End Fitting	46.29	11.59
26 05 33 23-0252	EA	#4011 Flat 90 Degree Elbow	42.48	9.40
26 05 33 23-0253	EA	#4012TX Internal Or External 45 Degree Elbow	49.36	11.66
26 05 33 23-0254	EA	#4014A Wall Box Connector	65.82	11.66
26 05 33 23-0255	EA	#4015 Tee Fitting	68.28	11.66
26 05 33 23-0256	EA	#4015D Divided Tee Fitting	72.87	11.66
26 05 33 23-0257	EA	#4017 Internal Elbow	38.83	11.66
26 05 33 23-0258	EA	#4017N Inverted Internal Elbow	42.31	11.66
26 05 33 23-0259	EA	#4017TC Internal Corner Coupling	36.53	11.66
26 05 33 23-0260	EA	#4018 External Elbow	56.00	11.66
26 05 33 23-0261	EA	#4046A Or B Combination Single Or Double Receptacle And Telephone Outlet Cover	18.63	4.89
26 05 33 23-0262	EA	#4046H Tap-Off Fitting	16.64	4.89
26 05 33 23-0263	EA	#4046J Combination Single Receptacle And Phone Outlet Center	14.34	2.26
26 05 33 23-0264	EA	#4046T Telephone Outlet Cover	13.34	1.88
26 05 33 23-0265	EA	#4050 Device Mounting Bracket	19.21	4.89
26 05 33 23-0266	EA	#4074A Take-off Connector, #4000 To #3000	90.81	11.66
26 05 33 23-0267	EA	#4075D Bridge Fitting	80.71	11.66
26 05 33 23-0268	EA	#4086A Panel Connector	65.10	22.20
26 05 33 23-0269	EA	#4089 Reducing Connector Fitting	40.33	11.66
26 05 33 23-0270	EA	#4011FO Radiused Flat 90 Degree Elbow	52.12	9.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0271	EA	#4015FO Radiused Tee Fitting	88.42	11.66
26 05 33 23-0272	EA	#4015DFO Radiused Full Capacity Divided Tee Fitting	88.13	11.66
26 05 33 23-0273	EA	#4017FO Internal Elbow	69.92	11.66
26 05 33 23-0274	EA	#4018FO Radiused External Elbow	70.07	11.66
26 05 33 23-0275	EA	#4075DA Bridge Fitting	80.71	11.66
26 05 33 23-0276		4-3/4" x 3-9/16" Two Piece Surface Metal Raceways (Wiremold #6000) *(26 05 33 23-0154)*		
		Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0277	LF	#6000B-10, 4-3/4" x 3-9/16" Two Piece Surface Metal Raceway Base	16.74	4.14
		For Concrete Or Masonry Surface, Add	*0.41*	
26 05 33 23-0278	LF	#6000C Raceway Cover	4.78	1.13
26 05 33 23-0279	LF	#6000D Divider	4.88	1.13
26 05 33 23-0280	EA	#6000WC Wire Clips For Conductors	4.95	1.88
26 05 33 23-0281	EA	#6001A Couplings	14.11	3.76
26 05 33 23-0282	EA	#6001D Divider Clip	6.21	1.88
26 05 33 23-0283	EA	#6001TX Converter Coupling	17.73	4.89
26 05 33 23-0284	EA	#6006 Connection Cover	17.35	4.89
26 05 33 23-0285	EA	#6007C-1 Single Gang Device Plate	17.96	4.89
26 05 33 23-0286	EA	#6007C-2 Two Gang Device Plate	19.40	4.89
26 05 33 23-0287	EA	#6008A C-Hanger	27.65	7.15
26 05 33 23-0288	EA	#6010B Blank End Fittings	31.25	11.29
26 05 33 23-0289	EA	#6011TX Combination Flat Elbow	57.21	11.29
26 05 33 23-0290	EA	#6012TX Internal - External 45 Degree Elbow	56.74	10.84
26 05 33 23-0291	EA	#6014A Connector Fitting	82.01	11.66
26 05 33 23-0292	EA	#6017TX Combination Internal-External Elbow	59.48	12.79
26 05 33 23-0293	EA	#6046KD Circuit Breaker Housing	98.93	12.79
26 05 33 23-0294	EA	#6074 Take-off Connector, #6000 To #6000	103.93	11.29
26 05 33 23-0295	EA	#6074A Take-off Connector, #6000 To #4000	103.93	11.29
26 05 33 23-0296	EA	#6086 Panel Connector	67.27	26.18
26 05 33 23-0297		Two Piece Surface Aluminum Raceways *(26 05 33 23-0056)*		
		Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).		
26 05 33 23-0298		1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceways (Wiremold #AL2000) *(26 05 33 23-0297)*		
26 05 33 23-0299	LF	#AL2000B, 1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceway Base	7.51	1.88
		For Concrete Or Masonry Surface, Add	*0.19*	
26 05 33 23-0300	LF	#AL2000C Aluminum Raceway Cover	3.64	0.38
26 05 33 23-0301	EA	#AL2000WC Wire Clip	3.61	1.50
26 05 33 23-0302	EA	#AL2001 Coupling	8.05	1.88
26 05 33 23-0303	EA	#AL2003 Supporting Clip	3.90	1.13
26 05 33 23-0304	EA	#AL2006 Cover Clip	4.92	1.13
26 05 33 23-0305	EA	#AL2009 Ground Clamp	7.06	1.88
26 05 33 23-0306	EA	#AL2010A Entrance End Fitting	19.76	5.64
26 05 33 23-0307	EA	#AL2010B Blank End Fitting	6.40	1.88
26 05 33 23-0308	EA	#AL2011 Flat 90 Degree Elbow	22.76	4.89
26 05 33 23-0309	EA	#AL2015 Tee	30.90	7.07
26 05 33 23-0310	EA	#AL2017 Internal Corner Elbow	20.52	3.76
26 05 33 23-0311	EA	#AL2018 External Corner Elbow	20.48	3.76
26 05 33 23-0312	EA	#AL2038 4-13/16" Round Fixture Box	76.90	6.70
26 05 33 23-0313	EA	#AL2044 4-1/2" x 3" x 2-1/4" D Box	40.20	6.70
26 05 33 23-0314	EA	#AL2044-2 4-5/8" x 4-7/8" x 2-1/2" D Box	70.95	7.45
26 05 33 23-0315	EA	#AL2047 Single Gang Shallow Device Box	33.61	6.70
26 05 33 23-0316	EA	#AL2047-2 2-Gang Shallow Device Box	62.80	7.45
26 05 33 23-0317	EA	#AL2051H Flush Plate Adapter	27.31	7.45
26 05 33 23-0318		2" x 1-9/32" Two Piece Surface Aluminum Raceways (Wiremold #AL2400) *(26 05 33 23-0297)*		
26 05 33 23-0319	LF	#AL2400B, 2" x 1-9/32" Two Piece Surface Aluminum Raceway Base	7.86	1.88
		For Concrete Or Masonry Surface, Add	*0.19*	
26 05 33 23-0320	LF	#AL2400C Aluminum Raceway Cover	3.47	0.38
26 05 33 23-0321	EA	#AL2400WC Wire Clip	4.65	1.50
26 05 33 23-0322	EA	#AL2401 Coupling	9.04	1.88
26 05 33 23-0323	EA	#AL2406 Cover Clip	5.97	1.13
26 05 33 23-0324	EA	#AL2409 Ground Clamp	5.28	1.50
26 05 33 23-0325	EA	#AL2410B Blank End	6.75	1.88
26 05 33 23-0326	EA	#AL2410B2 End Fitting	14.90	5.64
26 05 33 23-0327	EA	#AL2411 Flat 90 Degree Elbow	25.95	5.64
26 05 33 23-0328	EA	#AL2415 Tee	28.15	5.56
26 05 33 23-0329	EA	#AL2416 Fourway Fitting	32.80	5.56
26 05 33 23-0330	EA	#AL2417 Internal Coupling	25.85	5.56
26 05 33 23-0331	EA	#AL2418 External Coupling	27.72	5.56
26 05 33 23-0332	EA	#AL2451H 4-1/2" x 4-1/2" Back Feed Fitting	23.30	5.64

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0333		2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceways (Wiremold #AL3300) *(26 05 33 23-0297)*		
26 05 33 23-0334	LF	#AL3300B, 2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceway Base	14.59	3.39
		For Concrete Or Masonry Surface, Add	*0.34*	
26 05 33 23-0335	LF	#AL3300CE Aluminum Raceway Cover	4.78	0.38
26 05 33 23-0336	LF	#AL3300D Raceway Divider	3.17	3.39
26 05 33 23-0337	EA	#AL3300WC Wire Clips For Conductors	6.29	1.50
26 05 33 23-0338	EA	#AL3301 Couplings	11.80	1.50
26 05 33 23-0339	EA	#AL3301D Divider Coupling	9.57	1.88
26 05 33 23-0340	EA	#AL3309 Ground Clamp	6.51	1.50
26 05 33 23-0341	EA	#AL3310B Blank End Fittings	13.49	3.01
26 05 33 23-0342	EA	#AL3310B1 End Fitting	22.52	7.15
26 05 33 23-0343	EA	#AL3311 Flat 90 Degree Elbow Note: Includes two (2) AL3301 couplings.	65.12	9.32
26 05 33 23-0344	EA	#AL3315 Tee Fitting Note: Includes three (3) AL3301 couplings.	74.97	11.66
26 05 33 23-0345	EA	#AL3316 Cross Fitting Note: Includes four (4) AL3301 couplings.	84.38	11.66
26 05 33 23-0346	EA	#AL3317 Internal Elbow Note: Includes two (2) AL3301 couplings.	60.60	7.15
26 05 33 23-0347	EA	#AL3318 External Elbow Note: Includes two (2) AL3301 couplings.	60.67	7.15
26 05 33 23-0348	EA	#AL3346E Single Receptacle Cover	13.54	2.26
26 05 33 23-0349	EA	#AL3346G GFCI/Surge Receptacle Cover	24.06	2.26
26 05 33 23-0350	EA	#AL3356R Single Device Cover Plate	13.32	1.88
26 05 33 23-0351		5" x 2" Two Piece Surface Aluminum Raceways (Wiremold #AL5200) *(26 05 33 23-0297)*		
26 05 33 23-0352	LF	#AL5200B-10, 5" x 2" Two Piece Surface Aluminum Raceway Base	17.50	3.39
		For Concrete Or Masonry Surface, Add	*0.36*	
26 05 33 23-0353	LF	#AL5200C Aluminum Raceway Cover	7.80	0.38
26 05 33 23-0354	LF	#AL5200D Divider	4.56	0.38
26 05 33 23-0355	EA	#AL5200WC Wire Clips For Conductors	5.79	1.88
26 05 33 23-0356	EA	#AL5200WC2 Wire Clips For Conductors	4.87	1.88
26 05 33 23-0357	EA	#AL5200WC3 Wire Clips For Conductors	4.84	1.88
26 05 33 23-0358	EA	#AL5201 Couplings	11.42	2.26
26 05 33 23-0359	EA	#AL5206 Cover Clip	10.04	2.26
26 05 33 23-0360	EA	#AL5209 Ground Adapter	12.57	2.26
26 05 33 23-0361	EA	#AL5210B Blank End Fittings	13.21	3.01
26 05 33 23-0362	EA	#AL5210B1 Blank End Fittings	14.16	3.01
26 05 33 23-0363	EA	#AL5210B2 Blank End Fittings	14.37	3.01
26 05 33 23-0364	EA	#AL5210B3 Blank End Fittings	13.94	3.01
26 05 33 23-0365	EA	#AL5211 Flat 90 Degree Elbow Note: Includes two (2) pairs of AL5201 couplings.	72.16	9.40
26 05 33 23-0366	EA	#AL5214 Wall Box Connector	57.18	11.66
26 05 33 23-0367	EA	#AL5215 Tee Fitting Note: Includes three (3) pairs of AL5201 couplings.	84.50	11.66
26 05 33 23-0368	EA	#AL5216 Four Way Fitting Note: Includes four (4) pairs of AL5201 couplings.	92.59	11.66
26 05 33 23-0369	EA	#AL5217 Internal Elbow Note: Includes two (2) pairs of AL5201 couplings.	75.10	11.66
26 05 33 23-0370	EA	#AL5217A Internal Corner Coupling	32.53	11.66
26 05 33 23-0371	EA	#AL5217N Inverted Internal Elbow	77.15	11.66
26 05 33 23-0372	EA	#AL5218 External Elbow Note: Includes two (2) pairs of AL5201 couplings.	75.74	11.66
26 05 33 23-0373	EA	#AL5246B Blank Device Cover Plate	16.21	2.26
26 05 33 23-0374	EA	#AL5246D Receptacle Device Cover Plate	19.17	2.26
26 05 33 23-0375	EA	#AL5246DD Double Receptacle Device Cover Plate	22.71	2.26
26 05 33 23-0376	EA	#AL5246F Device Cover Plate	21.31	2.26
26 05 33 23-0377	EA	#AL5246G Device Cover Plate	19.69	2.26
26 05 33 23-0378	EA	#AL5246D2A Device Cover Plate	25.77	2.26
26 05 33 23-0379	EA	#AL5246DABRT Device Cover Plate	27.44	2.26
26 05 33 23-0380	EA	#AL5260 Offset Divider	18.62	4.89
26 05 33 23-0381		3" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA3800) *(26 05 33 23-0297)*		
26 05 33 23-0382	LF	#ALA3800B-10 Single Channel, 3" x 2-1/4" Two Piece Surface Aluminum Raceway Base	15.63	3.39
26 05 33 23-0383	EA	#ALA3806 Cover Clip	7.45	2.26
26 05 33 23-0384	EA	#ALA3810B Blank End Fittings	13.11	3.01
26 05 33 23-0385	EA	#ALA3810B1 Entrance End Cap Fittings	14.06	3.01
26 05 33 23-0386	EA	#ALA3811 Flat 90 Degree Elbow Note: Includes two (2) ALA01 couplings.	71.51	9.40
26 05 33 23-0387	EA	#ALA3815 Flat Tee Fitting Note: Includes three (3) ALA01 couplings.	73.95	11.66
26 05 33 23-0388	EA	#ALA3817 Internal Elbow Note: Includes two (2) ALA01 couplings.	72.13	11.66
26 05 33 23-0389	EA	#ALA3817N Inverted Internal Elbow Note: Includes two (2) ALA01 couplings.	84.72	11.66
26 05 33 23-0390	EA	#ALA3818 External Elbow Note: Includes two (2) ALA01 couplings.	73.07	11.66

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0391		6" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA4800) *(26 05 33 23-0297)*			
26 05 33 23-0392	LF	#ALA4800B-10 Two Channel, 6" x 2-1/4" Two Piece Surface Aluminum Raceway Base		23.03	3.39
26 05 33 23-0393	EA	#ALA4806 Cover Clip		10.11	2.26
26 05 33 23-0394	EA	#ALA4810B Blank End Fittings		13.25	3.01
26 05 33 23-0395	EA	#ALA4810B2 Entrance End Cap Fittings		14.68	3.01
26 05 33 23-0396	EA	#ALA4811 Flat 90 Degree Elbow Note: Includes four (4) ALA01 couplings.		84.16	9.40
26 05 33 23-0397	EA	#ALA4812A Flat 45 Degree Internal Elbow Note: Includes four (4) ALA01 couplings.		87.35	9.40
26 05 33 23-0398	EA	#ALA4812B Flat 45 Degree External Elbow Note: Includes four (4) ALA01 couplings.		87.35	9.40
26 05 33 23-0399	EA	#ALA4815 Flat Tee Fitting Note: Includes six (6) ALA01 couplings.		114.93	11.66
26 05 33 23-0400	EA	#ALA4817 Internal Elbow Note: Includes four (4) ALA01 couplings.		78.40	11.66
26 05 33 23-0401	EA	#ALA4817N Inverted Internal Elbow Note: Includes four (4) ALA01 couplings.		91.86	11.66
26 05 33 23-0402	EA	#ALA4818 External Elbow Note: Includes four (4) ALA01 couplings.		82.19	11.66
26 05 33 23-0403		Two Piece Surface Aluminum Raceways Fittings (Wiremold #ALA3800 And #ALA4800) *(26 05 33 23-0297)*			
26 05 33 23-0404	LF	#ALAC-5 3" Wide Aluminum Raceway Cover Note: For use with ALA3800 single channel raceway and ALA4800 dual channel raceway.		4.95	0.38
26 05 33 23-0405	EA	#ALAWC Wire Clips		4.57	1.88
26 05 33 23-0406	EA	#ALA01 Slide Couplings		11.56	2.26
26 05 33 23-0407	EA	#ALA09 Grounding Adapter		9.97	2.26
26 05 33 23-0408	EA	#ALA11RI Bend Radius Control Insert For Flat Elbow		27.18	9.40
26 05 33 23-0409	EA	#ALA17A Internal Corner Coupling		32.52	11.66
26 05 33 23-0410	EA	#ALA17/18RI Bend Radius Control Insert For Internal And External Elbow		30.02	9.40
26 05 33 23-0411	EA	#ALA-BL Blank Cover Plate		12.16	2.26
26 05 33 23-0412	EA	#ALA-DR Duplex Receptacle Cover Plate		12.94	2.26
26 05 33 23-0413	EA	#ALA-E Single Receptacle Cover Plate, 1.40" Diameter Opening		13.46	2.26
26 05 33 23-0414	EA	#ALA-F Single Receptacle Cover Plate, 1.59" Diameter Opening		14.04	2.26
26 05 33 23-0415	EA	#ALA-G GFCI/Surge/Decorator Cover Plate		13.05	2.26
26 05 33 23-0416	EA	#ALA-J Single Receptacle Cover Plate, 2.13" Diameter Opening		13.47	2.26
26 05 33 23-0417	EA	#ALA-N Toggle Switch Cover Plate		13.80	2.26
26 05 33 23-0418	EA	#ALA-LPB Active LPB Cover Plate		17.57	2.26
26 05 33 23-0419	EA	#ALA-MAB Active MAB Cover Plate		16.54	2.26
26 05 33 23-0420	EA	#ALA-MABRT Ortronics Cover Plate		19.00	2.26
26 05 33 23-0421	EA	#ALA-SG 1-3/4" x 2-3/4" Cover Plate		13.83	2.26
26 05 33 23-0422	EA	#ALA-2A Active 2A Cover Plate		18.37	2.26
26 05 33 23-0423	EA	#ALA-ABRT Ortronics Communications Cover Plate		16.85	2.26
26 05 33 23-0424	EA	#ALA-Z 3/4" Grommet/Mousehole Cover Plate		13.77	2.26
26 05 33 23-0425	EA	#ALA-LPB3S2 Ortronics Low Profile Cover Plate		16.99	2.26
26 05 33 23-0426		Surface Metal Raceway, Preassembled With Outlets *(26 05 33 23-0056)* Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).			
26 05 33 23-0427	LF	Plugmold #2000, 3' With Outlets 6" On Center, Single Circuit		23.29	6.00
		For Concrete Or Masonry Surface, Add	*0.60*		
26 05 33 23-0428	LF	Plugmold #2000, 6' With Outlets 6" On Center, Single Circuit		18.34	4.28
		For Concrete Or Masonry Surface, Add	*0.43*		
26 05 33 23-0429	LF	Plugmold #2000, 6' With Outlets 9" On Center, Single Circuit		16.89	4.53
		For Concrete Or Masonry Surface, Add	*0.45*		
26 05 33 23-0430	LF	Plugmold #2000, 6' With Outlets 12" On Center, Single Circuit		15.92	4.28
		For Concrete Or Masonry Surface, Add	*0.43*		
26 05 33 23-0431	LF	Plugmold #2000, 6' With Outlets 18" On Center, Single Circuit		14.83	4.36
		For Concrete Or Masonry Surface, Add	*0.43*		
26 05 33 23-0432	LF	Plugmold #2000, 6' With Outlets 9" On Center, Two Circuits		21.93	4.28
		For Concrete Or Masonry Surface, Add	*0.43*		
26 05 33 23-0433	LF	Plugmold #2000, 6' With Outlets 12" On Center, Two Circuits		18.92	4.28
		For Concrete Or Masonry Surface, Add	*0.43*		
26 05 33 23-0434	LF	Plugmold #2000, 6' With Outlets 18" On Center, Two Circuits		17.76	4.28
		For Concrete Or Masonry Surface, Add	*0.43*		
26 05 33 23-0435		Surface Non-Metallic Raceways *(26 05 33 23-0001)* Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation.			
26 05 33 23-0436		One Piece Surface Non-Metallic Raceways *(26 05 33 23-0435)* Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation. (Wiremold or approved equal).			
26 05 33 23-0437		#400, 7/8" x 7/16" *(26 05 33 23-0436)*			

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0438	LF	#400BC, 7/8" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover	4.80	1.50
		For Adhesive Back, Add	*0.00*	
		For Concrete Or Masonry Surface, Add	*0.15*	
26 05 33 23-0439	EA	#400WC Wire Clip	3.30	1.50
26 05 33 23-0440	EA	#406 Cover Clip	3.48	1.50
26 05 33 23-0441	EA	#410B Blank End Clip	6.69	3.01
26 05 33 23-0442	EA	#411 Flat 90 Degree Elbow	7.81	3.01
26 05 33 23-0443	EA	#415 Tee	9.86	3.76
26 05 33 23-0444	EA	#417 Internal Elbow	7.68	3.01
26 05 33 23-0445	EA	#418 External Elbow	7.68	3.01

26 05 33 23-0446 #800, 1-5/16" x 7/16" *(26 05 33 23-0436)*

26 05 33 23-0447	LF	#800BC, 1-5/16" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover	5.09	1.50
		For Adhesive Back, Add	*0.03*	
		For Concrete Or Masonry Surface, Add	*0.15*	
26 05 33 23-0448	EA	#800WC Wire Clip	3.36	1.50
26 05 33 23-0449	EA	#806 Cover Clip	3.43	1.50
26 05 33 23-0450	EA	#810A2 Entrance End Fitting	11.66	3.01
26 05 33 23-0451	EA	#810B Blank End Fitting	6.77	3.01
26 05 33 23-0452	EA	#811 Flat 90 Degree Elbow	7.88	3.01
26 05 33 23-0453	EA	#815 Tee	9.93	3.76
26 05 33 23-0454	EA	#817 Internal Elbow	7.74	3.01
26 05 33 23-0455	EA	#818 External Elbow	7.74	3.01
26 05 33 23-0456	EA	#889A End Reducer, #800 To #400	8.75	3.01

26 05 33 23-0457 #2300, 2-1/4" x 11/16" *(26 05 33 23-0436)*

26 05 33 23-0458	LF	#2300BC, 2-1/4" x 11/16" One Piece Surface Non-Metallic Raceway Base And Cover	5.89	1.50
		For Adhesive Back, Add	*0.15*	
		For Concrete Or Masonry Surface, Add	*0.15*	
26 05 33 23-0459	EA	#2300WC Wire Clip	3.41	1.50
26 05 33 23-0460	EA	#2306 Cover Clip	3.73	1.50
26 05 33 23-0461	EA	#2310A Entrance End Fitting	11.55	3.01
26 05 33 23-0462	EA	#2310B Blank End Fitting	7.16	3.01
26 05 33 23-0463	EA	#2310D Divided Entrance End Fitting	13.78	3.01
26 05 33 23-0464	EA	#2311 Flat 90 Degree Elbow	8.03	3.01
26 05 33 23-0465	EA	#2311D Divided Flat 90 Degree Elbow	8.94	3.01
26 05 33 23-0466	EA	#2315 Tee	9.96	3.76
26 05 33 23-0467	EA	#2317 Internal Elbow	8.03	3.01
26 05 33 23-0468	EA	#2317D Divided Internal Elbow	8.95	3.01
26 05 33 23-0469	EA	#2318 External Elbow	8.03	3.01
26 05 33 23-0470	EA	#2318D Divided External Elbow	9.07	3.01
26 05 33 23-0471	EA	#2389A End Reducer, #2300 To #800	9.37	3.01
26 05 33 23-0472	EA	#2389 End Reducer, #2300 To #400	9.01	3.01

26 05 33 23-0473 #400, #800 Or #2300 Fittings *(26 05 33 23-0436)*

26 05 33 23-0474	EA	#2336 Blank Cover, 4-1/2" Diameter	10.10	2.64
26 05 33 23-0475	EA	#2337A Extension Box, 5-1/2" Diameter	16.76	3.01
26 05 33 23-0476	EA	#2338-A Fixture Box, 5-1/2" Diameter	16.76	3.01
26 05 33 23-0477	EA	#2344 Extra Deep Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide	15.01	3.01
26 05 33 23-0478	EA	#2344-2 Extra Deep Device Box, 2 Gang, 2-3/4" Deep x 4-3/4" Long x 4-7/8" Wide	17.23	3.01
26 05 33 23-0479	EA	#2347 1-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 3" Wide	14.54	4.89
26 05 33 23-0480	EA	#2347-2 2-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 4-7/8" Wide	16.84	4.89
26 05 33 23-0481	EA	#2348 1-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide	15.18	4.89
26 05 33 23-0482	EA	#2348-2 2-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 4-7/8" Wide	18.53	4.89
26 05 33 23-0483	EA	#2348-3 3-Gang Deep Device Box, 1-3/4" Deep x 5" Long x 7" Wide	23.12	4.89
26 05 33 23-0484	EA	#2348S/51 Shallow Device And Extension Box, 7/8" Deep x 4-3/4" Long x 3" Wide	14.36	4.89

26 05 33 23-0485 #2700, 3/4" x 3/8" *(26 05 33 23-0436)*

26 05 33 23-0486	LF	#2700, 3/4" x 3/8" One Piece Surface Non-Metallic Raceway Base And Cover	4.20	1.50
		For Concrete Or Masonry Surface, Add	*0.15*	
26 05 33 23-0487	EA	#2700WC 3/4" Wire Clip	1.75	0.75
26 05 33 23-0488	EA	#2706 Cover Clip	2.69	0.75
26 05 33 23-0489	EA	#2710B Blank End	4.20	1.50
26 05 33 23-0490	EA	#2711 Flat 90 Degree Elbow	4.95	1.88
26 05 33 23-0491	EA	#2715 Tee	7.96	3.39
26 05 33 23-0492	EA	#2717 Internal Elbow	5.70	2.26
26 05 33 23-0493	EA	#2718 External Elbow	5.70	2.26
26 05 33 23-0494	EA	#2786 Drop Ceiling Connector	6.76	2.64

26 05 33 23-0495 #2800, 1" x 1/2" *(26 05 33 23-0436)*

26 05 33 23-0496	LF	#2800, 1" x 1/2" One Piece Surface Non-Metallic Raceway Base And Cover	5.28	1.88
		For Concrete Or Masonry Surface, Add	*0.19*	
26 05 33 23-0497	EA	#2800WC 1" Wire Clip	2.61	1.13
26 05 33 23-0498	EA	#2806 Cover Clip	3.55	1.13
26 05 33 23-0499	EA	#2810B Blank End	5.05	1.88
26 05 33 23-0500	EA	#2811 Flat 90 Degree Elbow	6.55	2.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0501	EA	#2815 Tee	9.56	4.14
26 05 33 23-0502	EA	#2817 Internal Elbow	7.31	3.01
26 05 33 23-0503	EA	#2818 External Elbow	7.31	3.01
26 05 33 23-0504	EA	#2811FO Radiused Flat 90 Degree Elbow	7.15	2.64
26 05 33 23-0505	EA	#2815FO Radiused Tee	10.33	4.14
26 05 33 23-0506	EA	#2817FO Radiused Internal Elbow	7.99	3.01
26 05 33 23-0507	EA	#2818FO Radiused External Elbow	7.91	3.01
26 05 33 23-0508	EA	#2886 Drop Ceiling Connector	8.27	3.39
26 05 33 23-0509	EA	#2889 2800-2700 Reducer	7.52	3.01

26 05 33 23-0510 #2900, 1-1/2" x 3/4" *(26 05 33 23-0436)*

26 05 33 23-0511	LF	#2900, 1-1/2" x 3/4" One Piece Surface Non-Metallic Raceway Base And Cover	6.44	2.26
		For Concrete Or Masonry Surface, Add	*0.23*	
26 05 33 23-0512	EA	#2900WC 1-1/2" Wire Clip	3.45	1.50
26 05 33 23-0513	EA	#2906 Cover Clip	4.37	1.50
26 05 33 23-0514	EA	#2910B Blank End	5.87	2.26
26 05 33 23-0515	EA	#2911 Flat 90 Degree Elbow	7.38	3.01
26 05 33 23-0516	EA	#2911FO Radiused Flat 90 Degree Elbow	8.25	3.01
26 05 33 23-0517	EA	#2915 Tee	10.38	4.51
26 05 33 23-0518	EA	#2915FO Radiused Tee	11.27	4.51
26 05 33 23-0519	EA	#2917FO Radiused Internal Elbow	9.04	3.39
26 05 33 23-0520	EA	#2917 Internal Elbow	8.13	3.39
26 05 33 23-0521	EA	#2918 External Elbow	8.13	3.39
26 05 33 23-0522	EA	#2918FO Radiused External Elbow	9.25	3.39
26 05 33 23-0523	EA	#2986 Drop Ceiling Connector	8.27	3.39
26 05 33 23-0524	EA	#2989 2900-2800 Reducer	9.20	3.76
26 05 33 23-0525	EA	#2989A 2900-2700 Reducer	9.00	3.76

26 05 33 23-0526 Two Piece Surface Non-Metallic Raceways *(26 05 33 23-0435)*

Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation. (Wiremold or approved equal).

26 05 33 23-0527 #5000, 5" x 1" *(26 05 33 23-0526)*

26 05 33 23-0528	LF	#5000B, 5" x 1" Two Piece Surface Non-Metallic Raceway Base	10.15	3.39
		For Concrete Or Masonry Surface, Add	*0.34*	
26 05 33 23-0529	LF	#5000C Cover, Black, Gray Or White	9.58	3.39
26 05 33 23-0530	LF	#5000C Cover, Vinyl, Black Or Gray	9.58	3.39
26 05 33 23-0531	LF	#5000C Cover, Oak Veneer	16.19	3.39
26 05 33 23-0532	LF	#5000C Cover, Wood	13.45	3.39
26 05 33 23-0533	LF	#5000T Quarter Round Trim, Black, Gray Or White	1.40	0.38
26 05 33 23-0534	LF	#5000T Quarter Round Trim, Vinyl, Black Or Gray	1.40	0.38
26 05 33 23-0535	LF	#5000T Quarter Round Trim, Oak Veneer	4.82	0.38
26 05 33 23-0536	LF	#5000T Quarter Round Trim, Wood Veneer	3.04	0.38
26 05 33 23-0537	EA	#5001 Base Coupling	9.31	3.76
26 05 33 23-0538	EA	#5004 Blank/Coax Adapter	5.48	1.88
26 05 33 23-0539	EA	#5005 Low Voltage Blank Plate	7.32	2.26
26 05 33 23-0540	EA	#5006 Cover Clip	10.26	3.76
26 05 33 23-0541	EA	#5006A Internal Wire Guard	9.36	3.76
26 05 33 23-0542	EA	#5007C Device Bracket	10.83	3.76
26 05 33 23-0543	EA	#5007C-1 Device Plate	19.87	7.52
26 05 33 23-0544	EA	#5007C-2 Deep Device Plate	20.11	7.52
26 05 33 23-0545	EA	#5010 End Cap, Right Or Left	17.02	7.15
26 05 33 23-0546	EA	#5010A Entrance End Feed	33.63	11.66
26 05 33 23-0547	EA	#5017B Internal Base Elbow	22.84	9.40
26 05 33 23-0548	EA	#5017C Internal Cover Elbow	20.98	7.52
26 05 33 23-0549	EA	#5017WG Internal Elbow Wire Guard	14.26	5.64
26 05 33 23-0550	EA	#5018B External Base Elbow	22.90	9.40
26 05 33 23-0551	EA	#5018C External Cover Elbow	21.55	7.52
26 05 33 23-0552	EA	#5018WG External Elbow Wire Guard	9.47	3.76

26 05 33 23-0553 #5400, 5-1/4" x 1-11/16" *(26 05 33 23-0526)*

26 05 33 23-0554	LF	#5400TB Two Compartment, 5-1/4" x 1-11/16" Two Piece Surface Non-Metallic Raceway Base	10.87	3.39
		For Concrete Or Masonry Surface, Add	*0.34*	
26 05 33 23-0555	LF	#5400TC Twin Snap Cover	2.37	0.38
26 05 33 23-0556	EA	#5400TWC Twin Snap Cover Wire Clips	4.19	1.88
26 05 33 23-0557	EA	#5406A Cover Clip	5.94	2.26
26 05 33 23-0558	EA	#5408 Transition Fitting	42.06	11.66
26 05 33 23-0559	EA	#5450 5-5/32" x 6" Device Bracket	16.25	3.76
26 05 33 23-0560	EA	#5450A3 7-19/32" x 7-1/2" Device Bracket	21.57	3.76
26 05 33 23-0561	EA	#5410 End Cap	19.61	7.15
26 05 33 23-0562	EA	#5410DFO Radiused Divided Entrance Cap Fitting	38.61	11.66
26 05 33 23-0563	EA	#5411FO Radiused Flat 90 Degree Elbow	35.12	9.40
26 05 33 23-0564	EA	#5415 Tee Fitting	40.63	11.66
26 05 33 23-0565	EA	#5417FO Radiused Internal Elbow	33.67	11.66
26 05 33 23-0566	EA	#5418 External Elbow	34.17	11.66
26 05 33 23-0567	EA	#5474 Transition Fitting	35.53	11.66

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0568		#5500, 6-11/16" x 1-11/16" *(26 05 33 23-0526)*		
26 05 33 23-0569	LF	#5500BD Three Compartment Divided, 6-11/16" x 1-11/16" Two Piece Surface Non-Metallic Raceway Base	13.67	3.39
		For Concrete Or Masonry Surface, Add	*0.34*	
26 05 33 23-0570	LF	#5500C Cover	4.96	0.38
26 05 33 23-0571	LF	#5500D Divider	2.22	0.38
26 05 33 23-0572	EA	#5500WC Wire Clips	4.91	1.88
26 05 33 23-0573	EA	#5506 Cover Clip	8.02	2.26
26 05 33 23-0574	EA	#5506B Base Seam Clip Fitting	5.71	2.26
26 05 33 23-0575	EA	#5507AD Modular Furniture Adapter	7.62	2.26
26 05 33 23-0576	EA	#5507B Blank Faceplate	7.44	2.26
26 05 33 23-0577	EA	#5507D Duplex Receptacle Faceplate	7.69	2.26
26 05 33 23-0578	EA	#5507FRJ Dual RJ Connector Faceplate	7.68	2.26
26 05 33 23-0579	EA	#5507R Rectangular Receptacle Faceplate	7.69	2.26
26 05 33 23-0580	EA	#5507RJ Dual RJ Connector Faceplate	7.69	2.26
26 05 33 23-0581	EA	#5507S Rectangular Spacer Fitting	7.63	2.26
26 05 33 23-0582	EA	#5507SW Switch Faceplate	7.44	2.26
26 05 33 23-0583	EA	#5507T1 Twistlock Faceplate	7.62	2.26
26 05 33 23-0584	EA	#5507T2 Single Receptacle Faceplate	7.73	2.26
26 05 33 23-0585	EA	#5550 6-5/8" x 6" Device Bracket	19.33	3.76
26 05 33 23-0586	EA	#5550A4 9-5/8" x 7-1/2" Device Bracket	27.03	3.76
26 05 33 23-0587	EA	#5510 End Cap	21.45	7.15
26 05 33 23-0588	EA	#5510D Entrance End Fitting	44.04	11.66
26 05 33 23-0589	EA	#5511FO Radiused Flat 90 Degree Elbow	40.77	9.40
26 05 33 23-0590	EA	#5514A Backfeed Connector	31.79	9.40
26 05 33 23-0591	EA	#5515 Tee Fitting	46.67	11.66
26 05 33 23-0592	EA	#5517FO Radiused Internal Elbow	37.29	11.66
26 05 33 23-0593	EA	#5518 External Elbow	38.40	11.66
26 05 33 23-0594	EA	#5518FO Radiused External Elbow	39.42	11.66
26 05 33 23-0595	EA	#5574 Transition Fitting	40.24	11.66
26 05 33 23-0596	EA	#5574A Transition Fitting	49.84	11.66

26 05 36 Cable Trays For Electrical Systems *(26 05)*

26 05 36 00-0001 Cable Trays *(26 05 36)*

Note: Excludes supporting hangers.

26 05 36 00-0002 Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0001)*

26 05 36 00-0003 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0002)*

26 05 36 00-0004 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0003)*

26 05 36 00-0005	LF	6" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	22.99	7.90
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.64*	
26 05 36 00-0006	LF	9" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	24.77	8.48
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.77*	
26 05 36 00-0007	LF	12" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	27.04	9.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.94*	
26 05 36 00-0008	LF	18" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	29.83	9.71
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.18*	
26 05 36 00-0009	LF	24" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	32.40	10.04
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.41*	
26 05 36 00-0010	LF	30" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	39.14	11.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.95*	
26 05 36 00-0011	LF	36" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	44.05	13.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.30*	

26 05 36 00-0012 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0003)*

26 05 36 00-0013	LF	6" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	21.84	7.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.54*	
26 05 36 00-0014	LF	9" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	23.55	8.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.67*	
26 05 36 00-0015	LF	12" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	25.21	8.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.77*	
26 05 36 00-0016	LF	18" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	27.43	9.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.96*	
26 05 36 00-0017	LF	24" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	29.36	9.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.12*	
26 05 36 00-0018	LF	30" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	34.39	11.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.50*	
26 05 36 00-0019	LF	36" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	37.61	12.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.73*	

26 05 36 00-0020 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0003)*

26 05 36 00-0021	LF	6" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	21.12	7.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0022	LF	9" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	21.79	7.90
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.52*	
26 05 36 00-0023	LF	12" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	23.81	8.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.68*	
26 05 36 00-0024	LF	18" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	25.89	8.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.85*	
26 05 36 00-0025	LF	24" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	27.79	9.05
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.02*	
26 05 36 00-0026	LF	30" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	30.27	9.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.21*	
26 05 36 00-0027	LF	36" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	32.58	10.69
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.37*	

26 05 36 00-0028 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0003)*

26 05 36 00-0029	LF	6" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	20.46	7.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.43*	
26 05 36 00-0030	LF	9" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	20.88	7.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.46*	
26 05 36 00-0031	LF	12" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	22.09	7.90
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.55*	
26 05 36 00-0032	LF	18" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	23.36	8.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.65*	
26 05 36 00-0033	LF	24" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	24.15	8.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.72*	
26 05 36 00-0034	LF	30" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	26.57	8.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.91*	
26 05 36 00-0035	LF	36" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	27.98	9.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.01*	

26 05 36 00-0036 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0003)*

26 05 36 00-0037	LF	6" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	20.15	7.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.42*	
26 05 36 00-0038	LF	9" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	20.52	7.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.44*	
26 05 36 00-0039	LF	12" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	21.72	7.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.53*	
26 05 36 00-0040	LF	18" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	22.79	8.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.61*	
26 05 36 00-0041	LF	24" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	23.13	8.15
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.63*	
26 05 36 00-0042	LF	30" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	24.62	8.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.73*	
26 05 36 00-0043	LF	36" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	25.72	9.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.81*	

26 05 36 00-0044 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings *(26 05 36 00-0002)*

26 05 36 00-0045 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0046	EA	6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	190.48	82.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.17*	
26 05 36 00-0047	EA	9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	213.84	93.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.55*	
26 05 36 00-0048	EA	12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	235.37	103.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.88*	
26 05 36 00-0049	EA	18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	293.00	127.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.68*	
26 05 36 00-0050	EA	24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	334.54	146.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.27*	
26 05 36 00-0051	EA	30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	393.67	164.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.65*	
26 05 36 00-0052	EA	36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	453.05	188.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.63*	

26 05 36 00-0053 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0054	EA	6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	252.33	85.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.08*	
26 05 36 00-0055	EA	9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	277.08	98.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.49*	
26 05 36 00-0056	EA	12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	299.71	109.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.83*	
26 05 36 00-0057	EA	18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	353.15	136.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.96*	
26 05 36 00-0058	EA	24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	398.75	158.09
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.70*	
26 05 36 00-0059	EA	30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	446.12	179.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.66*	
26 05 36 00-0060	EA	36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	521.19	207.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.80*	

26 05 36 00-0061 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0062	EA	6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	270.56	89.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.58*	
26 05 36 00-0063	EA	9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	300.79	103.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.43*	
26 05 36 00-0064	EA	12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	327.37	116.19
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.05*	
26 05 36 00-0065	EA	18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	396.74	146.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.49*	
26 05 36 00-0066	EA	24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	454.24	171.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.12*	
26 05 36 00-0067	EA	30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	530.90	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.63*	
26 05 36 00-0068	EA	36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	606.94	232.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.36*	

26 05 36 00-0069 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0070	EA	6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	140.86	59.82
		For 60 Degree Bend, Deduct	*-23.56*	
		For 30 Degree Bend, Deduct	*-42.59*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.10*	
26 05 36 00-0071	EA	9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	162.41	71.76
		For 60 Degree Bend, Deduct	*-26.10*	
		For 30 Degree Bend, Deduct	*-47.49*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.26*	
26 05 36 00-0072	EA	12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	181.70	82.30
		For 60 Degree Bend, Deduct	*-28.42*	
		For 30 Degree Bend, Deduct	*-51.93*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.31*	
26 05 36 00-0073	EA	18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	220.39	104.01
		For 60 Degree Bend, Deduct	*-32.87*	
		For 30 Degree Bend, Deduct	*-60.55*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.37*	
26 05 36 00-0074	EA	24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	272.83	127.39
		For 60 Degree Bend, Deduct	*-41.20*	
		For 30 Degree Bend, Deduct	*-75.75*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.67*	
26 05 36 00-0075	EA	30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	321.09	146.23
		For 60 Degree Bend, Deduct	*-49.89*	
		For 30 Degree Bend, Deduct	*-91.28*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.92*	
26 05 36 00-0076	EA	36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	366.82	171.66
		For 60 Degree Bend, Deduct	*-55.24*	
		For 30 Degree Bend, Deduct	*-101.61*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0077		24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0078	EA	6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	154.92	61.72
		For 60 Degree Bend, Deduct	*-27.48*	
		For 30 Degree Bend, Deduct	*-49.22*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.35*	
26 05 36 00-0079	EA	9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	179.49	74.39
		For 60 Degree Bend, Deduct	*-30.71*	
		For 30 Degree Bend, Deduct	*-55.32*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.75*	
26 05 36 00-0080	EA	12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	205.36	85.91
		For 60 Degree Bend, Deduct	*-34.84*	
		For 30 Degree Bend, Deduct	*-62.84*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.38*	
26 05 36 00-0081	EA	18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	246.75	109.70
		For 60 Degree Bend, Deduct	*-39.37*	
		For 30 Degree Bend, Deduct	*-71.71*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.53*	
26 05 36 00-0082	EA	24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	304.40	136.28
		For 60 Degree Bend, Deduct	*-48.23*	
		For 30 Degree Bend, Deduct	*-87.95*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.09*	
26 05 36 00-0083	EA	30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	355.88	158.09
		For 60 Degree Bend, Deduct	*-56.85*	
		For 30 Degree Bend, Deduct	*-103.54*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.42*	
26 05 36 00-0084	EA	36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	419.53	188.20
		For 60 Degree Bend, Deduct	*-66.31*	
		For 30 Degree Bend, Deduct	*-120.97*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.27*	
26 05 36 00-0085		36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0086	EA	6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	180.91	63.69
		For 60 Degree Bend, Deduct	*-35.30*	
		For 30 Degree Bend, Deduct	*-62.37*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.79*	
26 05 36 00-0087	EA	9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	207.91	77.35
		For 60 Degree Bend, Deduct	*-38.96*	
		For 30 Degree Bend, Deduct	*-69.24*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.35*	
26 05 36 00-0088	EA	12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	230.31	89.78
		For 60 Degree Bend, Deduct	*-41.59*	
		For 30 Degree Bend, Deduct	*-74.30*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.55*	
26 05 36 00-0089	EA	18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	281.14	116.19
		For 60 Degree Bend, Deduct	*-48.22*	
		For 30 Degree Bend, Deduct	*-86.83*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.43*	
26 05 36 00-0090	EA	24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	336.22	146.23
		For 60 Degree Bend, Deduct	*-54.89*	
		For 30 Degree Bend, Deduct	*-99.61*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.43*	
26 05 36 00-0091	EA	30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	405.49	171.66
		For 60 Degree Bend, Deduct	*-68.00*	
		For 30 Degree Bend, Deduct	*-122.87*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.24*	
26 05 36 00-0092	EA	36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	479.16	207.79
		For 60 Degree Bend, Deduct	*-78.46*	
		For 30 Degree Bend, Deduct	*-142.32*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.60*	
26 05 36 00-0093		12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0094	EA	6" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	202.44	82.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.39*	
26 05 36 00-0095	EA	9" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	223.47	93.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.51*	
26 05 36 00-0096	EA	12" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	242.22	103.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.56*	
26 05 36 00-0097	EA	18" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	284.36	127.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.82*	
26 05 36 00-0098	EA	24" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	318.81	146.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.69*	
26 05 36 00-0099	EA	30" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	355.36	164.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.82*	
26 05 36 00-0100	EA	36" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	397.20	187.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.06*	

26 05 36 00-0101 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0102	EA	6" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	235.37	85.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.38*	
26 05 36 00-0103	EA	9" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	259.14	98.75
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.69*	
26 05 36 00-0104	EA	12" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	281.19	109.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.98*	
26 05 36 00-0105	EA	18" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	330.64	136.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.71*	
26 05 36 00-0106	EA	24" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	372.24	158.09
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.05*	
26 05 36 00-0107	EA	30" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	413.85	179.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.43*	
26 05 36 00-0108	EA	36" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	475.44	207.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.23*	

26 05 36 00-0109 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0110	EA	6" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	274.10	89.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.93*	
26 05 36 00-0111	EA	9" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	302.26	103.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.57*	
26 05 36 00-0112	EA	12" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	324.31	116.19
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.75*	
26 05 36 00-0113	EA	18" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	384.85	146.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.30*	
26 05 36 00-0114	EA	24" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	428.72	171.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.57*	
26 05 36 00-0115	EA	30" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	491.28	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.67*	
26 05 36 00-0116	EA	36" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	559.32	232.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.60*	

26 05 36 00-0117 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0118	EA	6" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	368.01	158.09
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.63*	
26 05 36 00-0119	EA	9" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	398.52	171.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0120	EA	12" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	417.66	179.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.82*	
26 05 36 00-0121	EA	18" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	464.98	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.04*	
26 05 36 00-0122	EA	24" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	524.64	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.19*	
26 05 36 00-0123	EA	30" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	577.89	232.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.42*	
26 05 36 00-0124	EA	36" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	654.08	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.48*	
26 05 36 00-0125		24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0126	EA	6" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	450.04	171.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.70*	
26 05 36 00-0127	EA	9" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	485.33	188.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.85*	
26 05 36 00-0128	EA	12" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	507.13	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.25*	
26 05 36 00-0129	EA	18" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	530.53	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.78*	
26 05 36 00-0130	EA	24" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	620.64	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.49*	
26 05 36 00-0131	EA	30" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	666.57	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.72*	
26 05 36 00-0132	EA	36" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	798.63	304.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.53*	
26 05 36 00-0133		36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0134	EA	6" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	558.70	188.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.19*	
26 05 36 00-0135	EA	9" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	600.80	207.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.76*	
26 05 36 00-0136	EA	12" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	637.03	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.43*	
26 05 36 00-0137	EA	18" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	703.37	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.76*	
26 05 36 00-0138	EA	24" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	799.09	281.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.42*	
26 05 36 00-0139	EA	30" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	865.76	304.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.24*	
26 05 36 00-0140	EA	36" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	983.64	358.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.46*	
26 05 36 00-0141		12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0142	EA	6" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	421.72	146.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.98*	
26 05 36 00-0143	EA	9" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	432.88	151.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.62*	
26 05 36 00-0144	EA	12" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	444.50	158.09
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.28*	
26 05 36 00-0145	EA	18" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	470.33	171.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.73*	
26 05 36 00-0146	EA	24" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	486.34	179.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.68*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0147	EA	30" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	528.98	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.44*	
26 05 36 00-0148	EA	36" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	573.03	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.03*	
26 05 36 00-0149		24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0150	EA	6" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	584.99	158.09
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.33*	
26 05 36 00-0151	EA	9" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	600.57	164.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.34*	
26 05 36 00-0152	EA	12" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	617.07	171.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.40*	
26 05 36 00-0153	EA	18" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	653.93	188.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.71*	
26 05 36 00-0154	EA	24" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	678.84	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.43*	
26 05 36 00-0155	EA	30" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	724.45	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.17*	
26 05 36 00-0156	EA	36" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	786.11	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.04*	
26 05 36 00-0157		36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0158	EA	6" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	887.13	171.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.41*	
26 05 36 00-0159	EA	9" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	907.82	179.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.83*	
26 05 36 00-0160	EA	12" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	930.23	188.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.34*	
26 05 36 00-0161	EA	18" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	970.76	207.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.76*	
26 05 36 00-0162	EA	24" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	997.63	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.49*	
26 05 36 00-0163	EA	30" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,067.09	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.14*	
26 05 36 00-0164	EA	36" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,133.15	281.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.83*	
26 05 36 00-0165		12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0166	EA	6" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	458.74	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.42*	
26 05 36 00-0167	EA	9" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	482.16	207.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.90*	
26 05 36 00-0168	EA	12" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	513.71	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.10*	
26 05 36 00-0169	EA	18" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	549.79	232.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.61*	
26 05 36 00-0170	EA	24" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	619.74	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.04*	
26 05 36 00-0171	EA	30" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	686.69	281.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.18*	
26 05 36 00-0172	EA	36" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	748.68	304.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0173		24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0174	EA	6" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	616.74	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.40*	
26 05 36 00-0175	EA	9" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	646.57	232.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.29*	
26 05 36 00-0176	EA	12" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	678.40	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.27*	
26 05 36 00-0177	EA	18" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	722.77	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.34*	
26 05 36 00-0178	EA	24" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	809.56	304.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.62*	
26 05 36 00-0179	EA	30" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	871.75	329.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.74*	
26 05 36 00-0180	EA	36" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	972.71	358.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.37*	
26 05 36 00-0181		36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0182	EA	6" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	762.69	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.70*	
26 05 36 00-0183	EA	9" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	805.50	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.62*	
26 05 36 00-0184	EA	12" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	852.16	281.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.73*	
26 05 36 00-0185	EA	18" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	928.20	304.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.48*	
26 05 36 00-0186	EA	24" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,066.37	358.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.73*	
26 05 36 00-0187	EA	30" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,164.62	394.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.60*	
26 05 36 00-0188	EA	36" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,278.50	439.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-91.24*	
26 05 36 00-0189		12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0190	EA	6" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	517.04	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.25*	
26 05 36 00-0191	EA	9" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	543.38	207.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.02*	
26 05 36 00-0192	EA	12" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	580.38	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.77*	
26 05 36 00-0193	EA	18" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	622.98	232.55
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.92*	
26 05 36 00-0194	EA	24" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	701.23	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.19*	
26 05 36 00-0195	EA	30" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	784.55	281.94
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.96*	
26 05 36 00-0196	EA	36" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	856.94	303.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.39*	
26 05 36 00-0197		24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0198	EA	6" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	729.83	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.71*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0199	EA	9" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	763.18	232.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.95*	
26 05 36 00-0200	EA	12" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	798.52	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.28*	
26 05 36 00-0201	EA	18" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	850.62	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.13*	
26 05 36 00-0202	EA	24" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	945.84	304.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.25*	
26 05 36 00-0203	EA	30" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,017.16	329.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.29*	
26 05 36 00-0204	EA	36" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,141.30	358.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-84.23*	
26 05 36 00-0205		36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0206	EA	6" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	920.75	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.50*	
26 05 36 00-0207	EA	9" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	970.58	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.13*	
26 05 36 00-0208	EA	12" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,024.27	281.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.94*	
26 05 36 00-0209	EA	18" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,117.86	304.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.45*	
26 05 36 00-0210	EA	24" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,277.11	358.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-97.81*	
26 05 36 00-0211	EA	30" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,392.92	394.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-106.43*	
26 05 36 00-0212	EA	36" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,524.36	439.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-115.83*	
26 05 36 00-0213		6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings *(26 05 36 00-0002)*		
26 05 36 00-0214		12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*		
26 05 36 00-0215	EA	6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	182.91	82.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.42*	
26 05 36 00-0216	EA	9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	205.67	93.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.73*	
26 05 36 00-0217	EA	12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	226.49	103.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.99*	
26 05 36 00-0218	EA	18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	281.48	127.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.53*	
26 05 36 00-0219	EA	24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	321.57	146.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.97*	
26 05 36 00-0220	EA	30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	376.62	164.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.95*	
26 05 36 00-0221	EA	36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	433.12	188.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.64*	
26 05 36 00-0222		24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*		
26 05 36 00-0223	EA	6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	236.72	85.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.52*	
26 05 36 00-0224	EA	9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	260.99	98.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0225	EA	12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	283.02	109.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.16*	
26 05 36 00-0226	EA	18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	335.14	136.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.16*	
26 05 36 00-0227	EA	24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	379.42	158.09
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.77*	
26 05 36 00-0228	EA	30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	425.10	179.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.56*	
26 05 36 00-0229	EA	36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	496.21	207.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.30*	
26 05 36 00-0230		**36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0213)*		
26 05 36 00-0231	EA	6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	253.27	89.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.85*	
26 05 36 00-0232	EA	9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	282.54	103.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.60*	
26 05 36 00-0233	EA	12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	308.28	116.19
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.14*	
26 05 36 00-0234	EA	18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	374.89	146.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.30*	
26 05 36 00-0235	EA	24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	430.23	171.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.72*	
26 05 36 00-0236	EA	30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	502.08	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.75*	
26 05 36 00-0237	EA	36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	575.47	232.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.21*	
26 05 36 00-0238		**12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0213)*		
26 05 36 00-0239	EA	6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	134.97	59.82
		For 60 Degree Bend, Deduct	*-21.62*	
		For 30 Degree Bend, Deduct	*-39.35*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-8.51*	
26 05 36 00-0240	EA	9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	156.28	71.76
		For 60 Degree Bend, Deduct	*-24.08*	
		For 30 Degree Bend, Deduct	*-44.12*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.65*	
26 05 36 00-0241	EA	12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	175.34	82.30
		For 60 Degree Bend, Deduct	*-26.32*	
		For 30 Degree Bend, Deduct	*-48.43*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.68*	
26 05 36 00-0242	EA	18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	213.67	104.01
		For 60 Degree Bend, Deduct	*-30.65*	
		For 30 Degree Bend, Deduct	*-56.86*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.70*	
26 05 36 00-0243	EA	24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	264.18	127.39
		For 60 Degree Bend, Deduct	*-38.35*	
		For 30 Degree Bend, Deduct	*-70.99*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.80*	
26 05 36 00-0244	EA	30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	310.04	146.23
		For 60 Degree Bend, Deduct	*-46.25*	
		For 30 Degree Bend, Deduct	*-85.21*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.82*	
26 05 36 00-0245	EA	36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	355.30	171.66
		For 60 Degree Bend, Deduct	*-51.44*	
		For 30 Degree Bend, Deduct	*-95.27*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.22*	
26 05 36 00-0246		**24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0213)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0247	EA	6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	147.48	61.72
		For 60 Degree Bend, Deduct	*-25.02*	
		For 30 Degree Bend, Deduct	*-45.13*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.61*	
26 05 36 00-0248	EA	9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	171.56	74.39
		For 60 Degree Bend, Deduct	*-28.09*	
		For 30 Degree Bend, Deduct	*-50.95*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.96*	
26 05 36 00-0249	EA	12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	196.48	85.91
		For 60 Degree Bend, Deduct	*-31.91*	
		For 30 Degree Bend, Deduct	*-57.96*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.49*	
26 05 36 00-0250	EA	18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	237.63	109.70
		For 60 Degree Bend, Deduct	*-36.36*	
		For 30 Degree Bend, Deduct	*-66.69*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.62*	
26 05 36 00-0251	EA	24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	293.35	136.28
		For 60 Degree Bend, Deduct	*-44.58*	
		For 30 Degree Bend, Deduct	*-81.87*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.98*	
26 05 36 00-0252	EA	30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	342.67	158.09
		For 60 Degree Bend, Deduct	*-52.49*	
		For 30 Degree Bend, Deduct	*-96.27*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.10*	
26 05 36 00-0253	EA	36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	404.40	188.20
		For 60 Degree Bend, Deduct	*-61.32*	
		For 30 Degree Bend, Deduct	*-112.65*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.76*	

26 05 36 00-0254 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0255	EA	6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	170.22	63.69
		For 60 Degree Bend, Deduct	*-31.77*	
		For 30 Degree Bend, Deduct	*-56.49*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.72*	
26 05 36 00-0256	EA	9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	196.62	77.35
		For 60 Degree Bend, Deduct	*-35.24*	
		For 30 Degree Bend, Deduct	*-63.03*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.22*	
26 05 36 00-0257	EA	12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	218.79	89.78
		For 60 Degree Bend, Deduct	*-37.79*	
		For 30 Degree Bend, Deduct	*-67.97*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.40*	
26 05 36 00-0258	EA	18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	268.65	116.19
		For 60 Degree Bend, Deduct	*-44.10*	
		For 30 Degree Bend, Deduct	*-79.96*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.18*	
26 05 36 00-0259	EA	24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	323.01	146.23
		For 60 Degree Bend, Deduct	*-50.53*	
		For 30 Degree Bend, Deduct	*-92.34*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.11*	
26 05 36 00-0260	EA	30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	388.44	171.66
		For 60 Degree Bend, Deduct	*-62.38*	
		For 30 Degree Bend, Deduct	*-113.50*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.54*	
26 05 36 00-0261	EA	36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	460.19	207.79
		For 60 Degree Bend, Deduct	*-72.20*	
		For 30 Degree Bend, Deduct	*-131.88*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.70*	

26 05 36 00-0262 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0263	EA	6" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	197.22	82.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.86*	
26 05 36 00-0264	EA	9" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	218.13	93.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0265	EA	12" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	236.69	103.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.01*	
26 05 36 00-0266	EA	18" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	269.31	127.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.32*	
26 05 36 00-0267	EA	24" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	312.81	146.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.09*	
26 05 36 00-0268	EA	30" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	348.88	164.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.17*	
26 05 36 00-0269	EA	36" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	390.47	187.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.39*	

26 05 36 00-0270 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0271	EA	6" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	227.99	85.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.65*	
26 05 36 00-0272	EA	9" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	251.58	98.75
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.93*	
26 05 36 00-0273	EA	12" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	273.32	109.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.19*	
26 05 36 00-0274	EA	18" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	322.35	136.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.88*	
26 05 36 00-0275	EA	24" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	363.54	158.09
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.18*	
26 05 36 00-0276	EA	30" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	404.66	179.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.52*	
26 05 36 00-0277	EA	36" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	465.11	207.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.19*	

26 05 36 00-0278 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0279	EA	6" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	264.14	89.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.94*	
26 05 36 00-0280	EA	9" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	291.93	103.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.53*	
26 05 36 00-0281	EA	12" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	313.86	116.19
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.70*	
26 05 36 00-0282	EA	18" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	373.57	146.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.17*	
26 05 36 00-0283	EA	24" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	417.32	171.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.43*	
26 05 36 00-0284	EA	30" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	478.31	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.37*	
26 05 36 00-0285	EA	36" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	545.52	232.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.22*	

26 05 36 00-0286 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0287	EA	6" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	359.96	158.09
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.83*	
26 05 36 00-0288	EA	9" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	389.88	171.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.68*	
26 05 36 00-0289	EA	12" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	408.53	179.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.90*	
26 05 36 00-0290	EA	18" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	454.53	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.99*	
26 05 36 00-0291	EA	24" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	512.39	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.97*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0292	EA	30" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	563.24	232.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.95*	
26 05 36 00-0293	EA	36" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	637.51	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.82*	
26 05 36 00-0294		24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*		
26 05 36 00-0295	EA	6" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	437.43	171.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.44*	
26 05 36 00-0296	EA	9" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	472.12	188.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.53*	
26 05 36 00-0297	EA	12" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	493.44	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.89*	
26 05 36 00-0298	EA	18" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	542.65	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.99*	
26 05 36 00-0299	EA	24" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	604.55	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.88*	
26 05 36 00-0300	EA	30" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	649.04	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.97*	
26 05 36 00-0301	EA	36" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	776.18	304.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.28*	
26 05 36 00-0302		36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*		
26 05 36 00-0303	EA	6" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	539.85	188.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.30*	
26 05 36 00-0304	EA	9" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	581.23	207.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.81*	
26 05 36 00-0305	EA	12" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	616.14	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.34*	
26 05 36 00-0306	EA	18" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	680.92	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.52*	
26 05 36 00-0307	EA	24" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	773.75	281.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.89*	
26 05 36 00-0308	EA	30" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	838.14	304.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.48*	
26 05 36 00-0309	EA	36" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	953.98	358.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.50*	
26 05 36 00-0310		12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*		
26 05 36 00-0311	EA	6" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	408.03	146.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.62*	
26 05 36 00-0312	EA	9" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	419.07	151.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.24*	
26 05 36 00-0313	EA	12" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	430.57	158.09
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.89*	
26 05 36 00-0314	EA	18" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	456.16	171.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.31*	
26 05 36 00-0315	EA	24" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	471.93	179.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.24*	
26 05 36 00-0316	EA	30" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	513.61	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.90*	
26 05 36 00-0317	EA	36" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	557.06	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0318		**24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0213)*		
26 05 36 00-0319	EA	6" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	560.26	158.09
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.86*	
26 05 36 00-0320	EA	9" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	575.47	164.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.83*	
26 05 36 00-0321	EA	12" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	591.61	171.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.85*	
26 05 36 00-0322	EA	18" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	627.75	188.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.09*	
26 05 36 00-0323	EA	24" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	651.94	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.74*	
26 05 36 00-0324	EA	30" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	696.83	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.41*	
26 05 36 00-0325	EA	36" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	757.29	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.16*	
26 05 36 00-0326		**36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0213)*		
26 05 36 00-0327	EA	6" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	840.90	171.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.78*	
26 05 36 00-0328	EA	9" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	860.99	179.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.15*	
26 05 36 00-0329	EA	12" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	882.80	188.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.60*	
26 05 36 00-0330	EA	18" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	922.73	207.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.96*	
26 05 36 00-0331	EA	24" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	949.00	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.63*	
26 05 36 00-0332	EA	30" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,016.66	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.09*	
26 05 36 00-0333	EA	36" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,082.12	281.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-84.73*	
26 05 36 00-0334		**12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0213)*		
26 05 36 00-0335	EA	6" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	448.77	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.42*	
26 05 36 00-0336	EA	9" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	471.71	207.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.85*	
26 05 36 00-0337	EA	12" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	502.30	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.96*	
26 05 36 00-0338	EA	18" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	537.30	232.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.36*	
26 05 36 00-0339	EA	24" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	605.81	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.65*	
26 05 36 00-0340	EA	30" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	670.00	281.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.51*	
26 05 36 00-0341	EA	36" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	730.07	304.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.67*	
26 05 36 00-0342		**24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0213)*		
26 05 36 00-0343	EA	6" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	597.40	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.47*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0344	EA	9" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		626.64	232.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-43.29*	
26 05 36 00-0345	EA	12" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		657.86	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-45.21*	
26 05 36 00-0346	EA	18" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		700.91	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-48.16*	
26 05 36 00-0347	EA	24" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		786.27	304.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-53.29*	
26 05 36 00-0348	EA	30" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		846.90	329.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-57.26*	
26 05 36 00-0349	EA	36" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		943.89	358.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-64.49*	

26 05 36 00-0350 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0351	EA	6" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		735.67	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-52.99*	
26 05 36 00-0352	EA	9" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		777.28	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-55.80*	
26 05 36 00-0353	EA	12" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		822.74	281.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-58.79*	
26 05 36 00-0354	EA	18" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		895.78	304.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-64.24*	
26 05 36 00-0355	EA	24" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		1,030.35	358.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-73.13*	
26 05 36 00-0356	EA	30" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		1,125.59	394.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-79.70*	
26 05 36 00-0357	EA	36" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		1,236.47	439.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-87.04*	

26 05 36 00-0358 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0359	EA	6" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		502.59	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-33.80*	
26 05 36 00-0360	EA	9" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		528.24	207.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-35.50*	
26 05 36 00-0361	EA	12" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		563.84	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-38.12*	
26 05 36 00-0362	EA	18" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		604.88	232.55
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-41.11*	
26 05 36 00-0363	EA	24" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		681.03	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-46.17*	
26 05 36 00-0364	EA	30" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		760.34	281.94
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-52.54*	
26 05 36 00-0365	EA	36" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		829.95	303.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-57.69*	

26 05 36 00-0366 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0367	EA	6" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		701.80	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-51.91*	
26 05 36 00-0368	EA	9" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		734.28	232.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-54.06*	
26 05 36 00-0369	EA	12" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		768.74	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-56.30*	
26 05 36 00-0370	EA	18" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		818.93	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-59.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0371	EA	24" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	912.06	304.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.87*	
26 05 36 00-0372	EA	30" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	981.12	329.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.68*	
26 05 36 00-0373	EA	36" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,099.51	358.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.05*	
26 05 36 00-0374		36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*		
26 05 36 00-0375	EA	6" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	881.57	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.58*	
26 05 36 00-0376	EA	9" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	929.67	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.03*	
26 05 36 00-0377	EA	12" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	981.61	281.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.68*	
26 05 36 00-0378	EA	18" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,070.85	304.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.75*	
26 05 36 00-0379	EA	24" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,224.88	358.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-92.59*	
26 05 36 00-0380	EA	30" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,336.33	394.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.77*	
26 05 36 00-0381	EA	36" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,463.42	439.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-109.74*	
26 05 36 00-0382		9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings *(26 05 36 00-0002)*		
26 05 36 00-0383		12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0384	EA	6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	175.34	82.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.66*	
26 05 36 00-0385	EA	9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	197.51	93.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.92*	
26 05 36 00-0386	EA	12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	217.60	103.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.10*	
26 05 36 00-0387	EA	18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	269.95	127.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.38*	
26 05 36 00-0388	EA	24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	308.60	146.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.67*	
26 05 36 00-0389	EA	30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	359.57	164.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.24*	
26 05 36 00-0390	EA	36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	413.19	188.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.64*	
26 05 36 00-0391		24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0392	EA	6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	221.11	85.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.96*	
26 05 36 00-0393	EA	9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	244.90	98.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.27*	
26 05 36 00-0394	EA	12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	266.33	109.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.49*	
26 05 36 00-0395	EA	18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	317.13	136.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.36*	
26 05 36 00-0396	EA	24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	360.08	158.09
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.84*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0397	EA	30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	404.09	179.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.46*	
26 05 36 00-0398	EA	36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	471.23	207.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.81*	
26 05 36 00-0399		**36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0382)*		
26 05 36 00-0400	EA	6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	235.98	89.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.12*	
26 05 36 00-0401	EA	9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	264.29	103.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.78*	
26 05 36 00-0402	EA	12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	289.18	116.19
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.23*	
26 05 36 00-0403	EA	18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	353.03	146.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.12*	
26 05 36 00-0404	EA	24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	406.21	171.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.31*	
26 05 36 00-0405	EA	30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	473.27	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.87*	
26 05 36 00-0406	EA	36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	544.01	232.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.07*	
26 05 36 00-0407		**12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0382)*		
26 05 36 00-0408	EA	6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	129.09	59.82
		For 60 Degree Bend, Deduct	*-19.68*	
		For 30 Degree Bend, Deduct	*-36.12*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-7.93*	
26 05 36 00-0409	EA	9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	150.16	71.76
		For 60 Degree Bend, Deduct	*-22.06*	
		For 30 Degree Bend, Deduct	*-40.75*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.04*	
26 05 36 00-0410	EA	12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	168.97	82.30
		For 60 Degree Bend, Deduct	*-24.22*	
		For 30 Degree Bend, Deduct	*-44.93*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.04*	
26 05 36 00-0411	EA	18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	206.94	104.01
		For 60 Degree Bend, Deduct	*-28.43*	
		For 30 Degree Bend, Deduct	*-53.16*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.03*	
26 05 36 00-0412	EA	24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	255.54	127.39
		For 60 Degree Bend, Deduct	*-35.50*	
		For 30 Degree Bend, Deduct	*-66.24*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.94*	
26 05 36 00-0413	EA	30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	299.00	146.23
		For 60 Degree Bend, Deduct	*-42.61*	
		For 30 Degree Bend, Deduct	*-79.13*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.71*	
26 05 36 00-0414	EA	36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	343.77	171.66
		For 60 Degree Bend, Deduct	*-47.63*	
		For 30 Degree Bend, Deduct	*-88.93*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.07*	
26 05 36 00-0415		**24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0382)*		
26 05 36 00-0416	EA	6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	140.03	61.72
		For 60 Degree Bend, Deduct	*-22.56*	
		For 30 Degree Bend, Deduct	*-41.03*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-8.86*	
26 05 36 00-0417	EA	9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	163.64	74.39
		For 60 Degree Bend, Deduct	*-25.48*	
		For 30 Degree Bend, Deduct	*-46.60*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0418	EA	12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	187.59	85.91
		For 60 Degree Bend, Deduct	*-28.98*	
		For 30 Degree Bend, Deduct	*-53.07*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.60*	
26 05 36 00-0419	EA	18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	228.50	109.70
		For 60 Degree Bend, Deduct	*-33.34*	
		For 30 Degree Bend, Deduct	*-61.67*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.71*	
26 05 36 00-0420	EA	24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	282.31	136.28
		For 60 Degree Bend, Deduct	*-40.94*	
		For 30 Degree Bend, Deduct	*-75.80*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.88*	
26 05 36 00-0421	EA	30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	329.46	158.09
		For 60 Degree Bend, Deduct	*-48.14*	
		For 30 Degree Bend, Deduct	*-89.01*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.78*	
26 05 36 00-0422	EA	36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	389.27	188.20
		For 60 Degree Bend, Deduct	*-56.33*	
		For 30 Degree Bend, Deduct	*-104.33*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.25*	

26 05 36 00-0423 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0424	EA	6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	159.54	63.69
		For 60 Degree Bend, Deduct	*-28.25*	
		For 30 Degree Bend, Deduct	*-50.61*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.65*	
26 05 36 00-0425	EA	9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	185.34	77.35
		For 60 Degree Bend, Deduct	*-31.52*	
		For 30 Degree Bend, Deduct	*-56.82*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.09*	
26 05 36 00-0426	EA	12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	207.26	89.78
		For 60 Degree Bend, Deduct	*-33.98*	
		For 30 Degree Bend, Deduct	*-61.63*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.25*	
26 05 36 00-0427	EA	18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	256.16	116.19
		For 60 Degree Bend, Deduct	*-39.98*	
		For 30 Degree Bend, Deduct	*-73.09*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.93*	
26 05 36 00-0428	EA	24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	309.80	146.23
		For 60 Degree Bend, Deduct	*-46.17*	
		For 30 Degree Bend, Deduct	*-85.07*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.79*	
26 05 36 00-0429	EA	30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	371.39	171.66
		For 60 Degree Bend, Deduct	*-56.75*	
		For 30 Degree Bend, Deduct	*-104.12*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.83*	
26 05 36 00-0430	EA	36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	441.21	207.79
		For 60 Degree Bend, Deduct	*-65.94*	
		For 30 Degree Bend, Deduct	*-121.44*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.80*	

26 05 36 00-0431 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0432	EA	6" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	189.38	82.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.08*	
26 05 36 00-0433	EA	9" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	210.12	93.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.18*	
26 05 36 00-0434	EA	12" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	228.41	103.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.18*	
26 05 36 00-0435	EA	18" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	269.95	127.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.38*	
26 05 36 00-0436	EA	24" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	303.80	146.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.19*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0437	EA	30" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	339.15	164.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.20*	
26 05 36 00-0438	EA	36" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	380.38	187.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.38*	

26 05 36 00-0439 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0440	EA	6" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	216.91	85.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.54*	
26 05 36 00-0441	EA	9" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	240.23	98.75
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.79*	
26 05 36 00-0442	EA	12" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	261.52	109.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.01*	
26 05 36 00-0443	EA	18" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	309.92	136.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.64*	
26 05 36 00-0444	EA	24" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	350.48	158.09
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.88*	
26 05 36 00-0445	EA	30" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	390.88	179.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.14*	
26 05 36 00-0446	EA	36" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	449.62	207.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.64*	

26 05 36 00-0447 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0448	EA	6" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	249.19	89.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.44*	
26 05 36 00-0449	EA	9" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	276.44	103.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.99*	
26 05 36 00-0450	EA	12" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	298.19	116.19
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.13*	
26 05 36 00-0451	EA	18" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	356.63	146.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.48*	
26 05 36 00-0452	EA	24" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	400.21	171.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.71*	
26 05 36 00-0453	EA	30" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	458.86	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.43*	
26 05 36 00-0454	EA	36" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	524.80	232.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.14*	

26 05 36 00-0455 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0456	EA	6" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	343.87	158.09
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.22*	
26 05 36 00-0457	EA	9" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	372.59	171.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.95*	
26 05 36 00-0458	EA	12" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	390.28	179.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.08*	
26 05 36 00-0459	EA	18" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	433.64	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.91*	
26 05 36 00-0460	EA	24" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	487.89	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.52*	
26 05 36 00-0461	EA	30" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	533.94	232.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.02*	
26 05 36 00-0462	EA	36" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	604.37	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0463		24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0464	EA	6" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	412.21	171.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.91*	
26 05 36 00-0465	EA	9" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	445.71	188.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.89*	
26 05 36 00-0466	EA	12" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	466.06	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.15*	
26 05 36 00-0467	EA	18" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	513.11	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.04*	
26 05 36 00-0468	EA	24" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	572.37	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.66*	
26 05 36 00-0469	EA	30" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	613.98	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.47*	
26 05 36 00-0470	EA	36" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	731.27	304.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.79*	
26 05 36 00-0471		36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0472	EA	6" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	502.14	188.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.53*	
26 05 36 00-0473	EA	9" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	542.08	207.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.89*	
26 05 36 00-0474	EA	12" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	574.35	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.16*	
26 05 36 00-0475	EA	18" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	636.01	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.03*	
26 05 36 00-0476	EA	24" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	723.08	281.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.82*	
26 05 36 00-0477	EA	30" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	782.90	304.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.95*	
26 05 36 00-0478	EA	36" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	894.66	358.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.56*	
26 05 36 00-0479		12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0480	EA	6" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	380.65	146.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.88*	
26 05 36 00-0481	EA	9" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	391.45	151.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.48*	
26 05 36 00-0482	EA	12" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	402.71	158.09
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.10*	
26 05 36 00-0483	EA	18" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	427.82	171.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.48*	
26 05 36 00-0484	EA	24" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	443.12	179.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.36*	
26 05 36 00-0485	EA	30" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	482.87	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.83*	
26 05 36 00-0486	EA	36" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	525.12	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.24*	
26 05 36 00-0487		24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0488	EA	6" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	510.78	158.09
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.91*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0489	EA	9" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	525.28	164.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.81*	
26 05 36 00-0490	EA	12" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	540.70	171.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.76*	
26 05 36 00-0491	EA	18" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	575.39	188.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.86*	
26 05 36 00-0492	EA	24" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	598.15	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.36*	
26 05 36 00-0493	EA	30" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	641.59	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.89*	
26 05 36 00-0494	EA	36" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	699.65	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.39*	
26 05 36 00-0495		36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0496	EA	6" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	748.44	171.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.54*	
26 05 36 00-0497	EA	9" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	767.33	179.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.78*	
26 05 36 00-0498	EA	12" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	787.93	188.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.11*	
26 05 36 00-0499	EA	18" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	826.67	207.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.35*	
26 05 36 00-0500	EA	24" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	851.73	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.90*	
26 05 36 00-0501	EA	30" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	915.79	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.01*	
26 05 36 00-0502	EA	36" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	980.05	281.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.52*	
26 05 36 00-0503		12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0504	EA	6" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	428.84	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.43*	
26 05 36 00-0505	EA	9" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	450.82	207.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.76*	
26 05 36 00-0506	EA	12" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	479.49	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.68*	
26 05 36 00-0507	EA	18" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	512.32	232.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.86*	
26 05 36 00-0508	EA	24" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	577.95	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.86*	
26 05 36 00-0509	EA	30" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	636.62	281.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.18*	
26 05 36 00-0510	EA	36" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	692.84	304.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.95*	
26 05 36 00-0511		24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0512	EA	6" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	558.74	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.60*	
26 05 36 00-0513	EA	9" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	586.77	232.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.31*	
26 05 36 00-0514	EA	12" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	616.80	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.11*	
26 05 36 00-0515	EA	18" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	657.20	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0516	EA	24" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	739.67	304.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.63*	
26 05 36 00-0517	EA	30" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	797.18	329.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.29*	
26 05 36 00-0518	EA	36" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	886.25	358.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.72*	

26 05 36 00-0519 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0520	EA	6" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	681.64	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.59*	
26 05 36 00-0521	EA	9" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	720.85	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.15*	
26 05 36 00-0522	EA	12" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	763.90	281.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.90*	
26 05 36 00-0523	EA	18" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	830.93	304.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.76*	
26 05 36 00-0524	EA	24" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	958.30	358.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.93*	
26 05 36 00-0525	EA	30" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,047.54	394.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.89*	
26 05 36 00-0526	EA	36" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,152.42	439.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.64*	

26 05 36 00-0527 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0528	EA	6" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	473.69	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.91*	
26 05 36 00-0529	EA	9" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	497.94	207.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.47*	
26 05 36 00-0530	EA	12" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	530.76	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.81*	
26 05 36 00-0531	EA	18" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	568.66	232.55
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.49*	
26 05 36 00-0532	EA	24" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	640.63	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.13*	
26 05 36 00-0533	EA	30" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	711.94	281.94
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.70*	
26 05 36 00-0534	EA	36" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	775.98	303.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.29*	

26 05 36 00-0535 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0536	EA	6" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	645.74	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.30*	
26 05 36 00-0537	EA	9" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	676.47	232.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.28*	
26 05 36 00-0538	EA	12" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	709.20	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.35*	
26 05 36 00-0539	EA	18" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	755.55	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.62*	
26 05 36 00-0540	EA	24" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	844.50	304.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.11*	
26 05 36 00-0541	EA	30" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	909.04	329.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.47*	
26 05 36 00-0542	EA	36" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,015.94	358.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.69*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0543		36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0544	EA	6" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	803.22	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.75*	
26 05 36 00-0545	EA	9" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	847.83	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.85*	
26 05 36 00-0546	EA	12" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	896.29	281.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.14*	
26 05 36 00-0547	EA	18" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	976.83	304.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.35*	
26 05 36 00-0548	EA	24" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,120.41	358.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.14*	
26 05 36 00-0549	EA	30" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,223.15	394.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.45*	
26 05 36 00-0550	EA	36" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,341.54	439.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-97.55*	
26 05 36 00-0551		12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings *(26 05 36 00-0002)*		
26 05 36 00-0552		12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*		
26 05 36 00-0553	EA	6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	172.70	82.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.39*	
26 05 36 00-0554	EA	9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	194.65	93.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.63*	
26 05 36 00-0555	EA	12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	214.49	103.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.79*	
26 05 36 00-0556	EA	18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	265.91	127.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.98*	
26 05 36 00-0557	EA	24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	304.06	146.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.22*	
26 05 36 00-0558	EA	30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	353.60	164.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.64*	
26 05 36 00-0559	EA	36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	406.21	188.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.95*	
26 05 36 00-0560		24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*		
26 05 36 00-0561	EA	6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	215.65	85.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.41*	
26 05 36 00-0562	EA	9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	239.27	98.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.70*	
26 05 36 00-0563	EA	12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	260.48	109.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.90*	
26 05 36 00-0564	EA	18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	310.83	136.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.73*	
26 05 36 00-0565	EA	24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	353.32	158.09
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.16*	
26 05 36 00-0566	EA	30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	396.73	179.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.72*	
26 05 36 00-0567	EA	36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	462.49	207.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.93*	
26 05 36 00-0568		36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0569	EA	6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	229.93	89.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.52*	
26 05 36 00-0570	EA	9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	257.90	103.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.14*	
26 05 36 00-0571	EA	12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	282.50	116.19
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.56*	
26 05 36 00-0572	EA	18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	345.38	146.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.35*	
26 05 36 00-0573	EA	24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	397.80	171.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.47*	
26 05 36 00-0574	EA	30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	463.18	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.86*	
26 05 36 00-0575	EA	36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	533.00	232.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.96*	
26 05 36 00-0576		**12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0551)*		
26 05 36 00-0577	EA	6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	127.03	59.82
		For 60 Degree Bend, Deduct	*-19.00*	
		For 30 Degree Bend, Deduct	*-34.98*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-7.72*	
26 05 36 00-0578	EA	9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	148.02	71.76
		For 60 Degree Bend, Deduct	*-21.35*	
		For 30 Degree Bend, Deduct	*-39.57*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-8.83*	
26 05 36 00-0579	EA	12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	166.74	82.30
		For 60 Degree Bend, Deduct	*-23.48*	
		For 30 Degree Bend, Deduct	*-43.70*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.82*	
26 05 36 00-0580	EA	18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	204.59	104.01
		For 60 Degree Bend, Deduct	*-27.65*	
		For 30 Degree Bend, Deduct	*-51.86*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.79*	
26 05 36 00-0581	EA	24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	252.51	127.39
		For 60 Degree Bend, Deduct	*-34.50*	
		For 30 Degree Bend, Deduct	*-64.57*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.64*	
26 05 36 00-0582	EA	30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	295.13	146.23
		For 60 Degree Bend, Deduct	*-41.33*	
		For 30 Degree Bend, Deduct	*-77.01*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.33*	
26 05 36 00-0583	EA	36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	339.73	171.66
		For 60 Degree Bend, Deduct	*-46.30*	
		For 30 Degree Bend, Deduct	*-86.71*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.67*	
26 05 36 00-0584		**24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0551)*		
26 05 36 00-0585	EA	6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	137.43	61.72
		For 60 Degree Bend, Deduct	*-21.71*	
		For 30 Degree Bend, Deduct	*-39.60*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-8.60*	
26 05 36 00-0586	EA	9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	160.86	74.39
		For 60 Degree Bend, Deduct	*-24.56*	
		For 30 Degree Bend, Deduct	*-45.07*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.89*	
26 05 36 00-0587	EA	12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	184.48	85.91
		For 60 Degree Bend, Deduct	*-27.95*	
		For 30 Degree Bend, Deduct	*-51.36*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.29*	
26 05 36 00-0588	EA	18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	225.31	109.70
		For 60 Degree Bend, Deduct	*-32.29*	
		For 30 Degree Bend, Deduct	*-59.92*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.39*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0589	EA	24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	278.44	136.28
		For 60 Degree Bend, Deduct	*-39.66*	
		For 30 Degree Bend, Deduct	*-73.67*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.49*	
26 05 36 00-0590	EA	30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	324.84	158.09
		For 60 Degree Bend, Deduct	*-46.61*	
		For 30 Degree Bend, Deduct	*-86.47*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.31*	
26 05 36 00-0591	EA	36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	383.97	188.20
		For 60 Degree Bend, Deduct	*-54.58*	
		For 30 Degree Bend, Deduct	*-101.42*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.72*	

26 05 36 00-0592 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0593	EA	6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	155.80	63.69
		For 60 Degree Bend, Deduct	*-27.01*	
		For 30 Degree Bend, Deduct	*-48.56*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.28*	
26 05 36 00-0594	EA	9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	181.39	77.35
		For 60 Degree Bend, Deduct	*-30.21*	
		For 30 Degree Bend, Deduct	*-54.65*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.69*	
26 05 36 00-0595	EA	12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	203.22	89.78
		For 60 Degree Bend, Deduct	*-32.65*	
		For 30 Degree Bend, Deduct	*-59.40*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.84*	
26 05 36 00-0596	EA	18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	251.79	116.19
		For 60 Degree Bend, Deduct	*-38.54*	
		For 30 Degree Bend, Deduct	*-70.68*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.49*	
26 05 36 00-0597	EA	24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	305.18	146.23
		For 60 Degree Bend, Deduct	*-44.64*	
		For 30 Degree Bend, Deduct	*-82.53*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.33*	
26 05 36 00-0598	EA	30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	365.42	171.66
		For 60 Degree Bend, Deduct	*-54.78*	
		For 30 Degree Bend, Deduct	*-100.84*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.24*	
26 05 36 00-0599	EA	36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	434.57	207.79
		For 60 Degree Bend, Deduct	*-63.75*	
		For 30 Degree Bend, Deduct	*-117.79*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.14*	

26 05 36 00-0600 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0601	EA	6" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	185.73	82.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.72*	
26 05 36 00-0602	EA	9" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	206.38	93.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.80*	
26 05 36 00-0603	EA	12" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	224.54	103.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.80*	
26 05 36 00-0604	EA	18" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	265.91	127.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.98*	
26 05 36 00-0605	EA	24" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	299.60	146.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.77*	
26 05 36 00-0606	EA	30" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	334.61	164.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.75*	
26 05 36 00-0607	EA	36" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	375.68	187.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.91*	

26 05 36 00-0608 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0609	EA	6" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	211.74	85.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.02*	
26 05 36 00-0610	EA	9" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	234.93	98.75
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.26*	
26 05 36 00-0611	EA	12" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	256.02	109.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.46*	
26 05 36 00-0612	EA	18" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	304.13	136.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.06*	
26 05 36 00-0613	EA	24" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	344.38	158.09
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.27*	
26 05 36 00-0614	EA	30" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	384.45	179.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.49*	
26 05 36 00-0615	EA	36" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	442.39	207.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.92*	

26 05 36 00-0616 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0617	EA	6" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	242.21	89.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.75*	
26 05 36 00-0618	EA	9" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	269.21	103.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.26*	
26 05 36 00-0619	EA	12" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	290.88	116.19
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.40*	
26 05 36 00-0620	EA	18" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	348.73	146.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.69*	
26 05 36 00-0621	EA	24" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	392.22	171.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.92*	
26 05 36 00-0622	EA	30" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	449.78	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.52*	
26 05 36 00-0623	EA	36" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	515.13	232.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.18*	

26 05 36 00-0624 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0625	EA	6" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	335.83	158.09
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.41*	
26 05 36 00-0626	EA	9" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	363.94	171.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.09*	
26 05 36 00-0627	EA	12" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	381.15	179.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.16*	
26 05 36 00-0628	EA	18" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	423.19	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.86*	
26 05 36 00-0629	EA	24" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	475.64	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.29*	
26 05 36 00-0630	EA	30" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	519.29	232.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.56*	
26 05 36 00-0631	EA	36" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	587.80	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.85*	

26 05 36 00-0632 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0633	EA	6" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	399.61	171.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.65*	
26 05 36 00-0634	EA	9" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	432.50	188.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.57*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0635	EA	12" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	452.37	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.78*	
26 05 36 00-0636	EA	18" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	498.34	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.56*	
26 05 36 00-0637	EA	24" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	556.28	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.06*	
26 05 36 00-0638	EA	30" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	596.44	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.71*	
26 05 36 00-0639	EA	36" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	708.81	304.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.55*	

26 05 36 00-0640 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0641	EA	6" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	483.29	188.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.65*	
26 05 36 00-0642	EA	9" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	522.51	207.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.93*	
26 05 36 00-0643	EA	12" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	553.45	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.07*	
26 05 36 00-0644	EA	18" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	613.55	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.78*	
26 05 36 00-0645	EA	24" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	697.74	281.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.29*	
26 05 36 00-0646	EA	30" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	755.28	304.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.19*	
26 05 36 00-0647	EA	36" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	865.00	358.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.60*	

26 05 36 00-0648 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0649	EA	6" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	366.96	146.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.51*	
26 05 36 00-0650	EA	9" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	377.64	151.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.10*	
26 05 36 00-0651	EA	12" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	388.78	158.09
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.71*	
26 05 36 00-0652	EA	18" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	413.65	171.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.06*	
26 05 36 00-0653	EA	24" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	428.71	179.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.92*	
26 05 36 00-0654	EA	30" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	467.50	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.29*	
26 05 36 00-0655	EA	36" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	509.15	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.64*	

26 05 36 00-0656 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0657	EA	6" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	486.05	158.09
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.43*	
26 05 36 00-0658	EA	9" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	500.18	164.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.30*	
26 05 36 00-0659	EA	12" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	515.24	171.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.22*	
26 05 36 00-0660	EA	18" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	549.22	188.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.24*	
26 05 36 00-0661	EA	24" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	571.25	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0662	EA	30" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	613.97	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.13*	
26 05 36 00-0663	EA	36" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	670.83	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.51*	
26 05 36 00-0664		**36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0551)*		
26 05 36 00-0665	EA	6" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	702.21	171.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.91*	
26 05 36 00-0666	EA	9" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	720.50	179.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.10*	
26 05 36 00-0667	EA	12" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	740.50	188.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.37*	
26 05 36 00-0668	EA	18" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	778.64	207.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.55*	
26 05 36 00-0669	EA	24" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	803.10	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.04*	
26 05 36 00-0670	EA	30" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	865.36	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.96*	
26 05 36 00-0671	EA	36" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	929.01	281.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.42*	
26 05 36 00-0672		**12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0551)*		
26 05 36 00-0673	EA	6" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	418.87	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.43*	
26 05 36 00-0674	EA	9" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	440.37	207.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.72*	
26 05 36 00-0675	EA	12" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	468.08	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.54*	
26 05 36 00-0676	EA	18" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	499.83	232.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.61*	
26 05 36 00-0677	EA	24" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	564.02	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.47*	
26 05 36 00-0678	EA	30" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	619.93	281.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.51*	
26 05 36 00-0679	EA	36" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	674.23	304.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.09*	
26 05 36 00-0680		**24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0551)*		
26 05 36 00-0681	EA	6" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	539.41	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.67*	
26 05 36 00-0682	EA	9" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	566.84	232.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.31*	
26 05 36 00-0683	EA	12" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	596.26	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.05*	
26 05 36 00-0684	EA	18" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	635.35	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.60*	
26 05 36 00-0685	EA	24" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	716.38	304.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.30*	
26 05 36 00-0686	EA	30" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	772.33	329.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.80*	
26 05 36 00-0687	EA	36" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	857.43	358.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.84*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0688		36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*			
26 05 36 00-0689	EA	6" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		654.62	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-44.89*	
26 05 36 00-0690	EA	9" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		692.63	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-47.33*	
26 05 36 00-0691	EA	12" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		734.49	281.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-49.96*	
26 05 36 00-0692	EA	18" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		798.51	304.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-54.52*	
26 05 36 00-0693	EA	24" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		922.27	358.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-62.32*	
26 05 36 00-0694	EA	30" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		1,008.51	394.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-67.99*	
26 05 36 00-0695	EA	36" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		1,110.39	439.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-74.43*	
26 05 36 00-0696		12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*			
26 05 36 00-0697	EA	6" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		459.23	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-29.46*	
26 05 36 00-0698	EA	9" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		482.79	207.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-30.96*	
26 05 36 00-0699	EA	12" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		514.22	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-33.15*	
26 05 36 00-0700	EA	18" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		550.55	232.55
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-35.68*	
26 05 36 00-0701	EA	24" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		620.44	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-40.11*	
26 05 36 00-0702	EA	30" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		687.74	281.94
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-45.28*	
26 05 36 00-0703	EA	36" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		748.99	303.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-49.59*	
26 05 36 00-0704		24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*			
26 05 36 00-0705	EA	6" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		617.70	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-43.50*	
26 05 36 00-0706	EA	9" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		647.57	232.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-45.39*	
26 05 36 00-0707	EA	12" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		679.42	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-47.37*	
26 05 36 00-0708	EA	18" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		723.86	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-50.45*	
26 05 36 00-0709	EA	24" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		810.73	304.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-55.74*	
26 05 36 00-0710	EA	30" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		873.00	329.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-59.87*	
26 05 36 00-0711	EA	36" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		974.15	358.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-67.51*	
26 05 36 00-0712		36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*			
26 05 36 00-0713	EA	6" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		764.04	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-55.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0714	EA	9" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	806.91	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.76*	
26 05 36 00-0715	EA	12" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	853.63	281.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.88*	
26 05 36 00-0716	EA	18" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	929.82	304.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.65*	
26 05 36 00-0717	EA	24" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,068.17	358.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.91*	
26 05 36 00-0718	EA	30" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,166.57	394.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.79*	
26 05 36 00-0719	EA	36" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,280.60	439.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-91.45*	

26 05 36 00-0720 Dropout Or End Plates And Reducers *(26 05 36 00-0002)*

26 05 36 00-0721 Straight Reducers *(26 05 36 00-0720)*

26 05 36 00-0722	EA	9"-6" Reducer, Steel Cable Tray	156.49	60.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.59*	
26 05 36 00-0723	EA	12"-9" Reducer, Steel Cable Tray	166.05	65.75
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.12*	
26 05 36 00-0724	EA	18"-12" Reducer, Steel Cable Tray	182.97	75.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.97*	
26 05 36 00-0725	EA	24"-18" Reducer, Steel Cable Tray	203.96	87.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.08*	
26 05 36 00-0726	EA	30"-24" Reducer, Steel Cable Tray	223.42	98.75
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.11*	
26 05 36 00-0727	EA	36"-30" Reducer, Steel Cable Tray	254.09	112.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.01*	

26 05 36 00-0728 Reducers *(26 05 36 00-0720)*

26 05 36 00-0729	EA	18"-6" Reducer, Steel Cable Tray	185.45	75.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.21*	
26 05 36 00-0730	EA	24"-12" Reducer, Steel Cable Tray	206.57	87.89
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.33*	
26 05 36 00-0731	EA	30"-12" Reducer, Steel Cable Tray	228.09	98.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.59*	
26 05 36 00-0732	EA	30"-18" Reducer, Steel Cable Tray	230.36	98.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.82*	
26 05 36 00-0733	EA	36"-12" Reducer, Steel Cable Tray	255.29	112.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.13*	
26 05 36 00-0734	EA	36"-18" Reducer, Steel Cable Tray	262.65	115.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.62*	
26 05 36 00-0735	EA	36"-24" Reducer, Steel Cable Tray	271.21	119.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.16*	

26 05 36 00-0736 Dropout Or End Plate *(26 05 36 00-0720)*

26 05 36 00-0737	EA	6" Dropout Or End Plate, Steel Cable Tray	47.32	24.69
26 05 36 00-0738	EA	9" Dropout Or End Plate, Steel Cable Tray	54.26	28.22
26 05 36 00-0739	EA	12" Dropout Or End Plate, Steel Cable Tray	58.54	30.37
26 05 36 00-0740	EA	18" Dropout Or End Plate, Steel Cable Tray	69.13	35.88
26 05 36 00-0741	EA	24" Dropout Or End Plate, Steel Cable Tray	77.13	39.50
26 05 36 00-0742	EA	30" Dropout Or End Plate, Steel Cable Tray	85.53	43.86
26 05 36 00-0743	EA	36" Dropout Or End Plate, Steel Cable Tray	96.47	49.37

26 05 36 00-0744 Ladder Bottom Aluminum Cable Tray *(26 05 36 00-0001)*

Note: 4-5/8" Height

26 05 36 00-0745 Straight Tray Sections *(26 05 36 00-0744)*

26 05 36 00-0746 4" Rung Spacing *(26 05 36 00-0745)*

26 05 36 00-0747	LF	6" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	24.03	5.76
		For Class 12C Instead Of Class 12B, Add	*2.64*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.92*	
		For 6" Overall Height Instead Of 4-5/8", Add	*1.20*	
26 05 36 00-0748	LF	9" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	25.36	6.09
		For Class 12C Instead Of Class 12B, Add	*2.79*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.03*	
		For 6" Overall Height Instead Of 4-5/8", Add	*1.27*	
26 05 36 00-0749	LF	12" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	26.67	6.33
		For Class 12C Instead Of Class 12B, Add	*2.94*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*1.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0750	LF	18" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	29.50	6.92
		For Class 12C Instead Of Class 12B, Add	*3.27*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.37*	
		For 6" Overall Height Instead Of 4-5/8", Add	*1.48*	
26 05 36 00-0751	LF	24" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	33.21	7.41
		For Class 12C Instead Of Class 12B, Add	*3.75*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.71*	
		For 6" Overall Height Instead Of 4-5/8", Add	*1.66*	
26 05 36 00-0752	LF	30" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	36.15	7.90
		For Class 12C Instead Of Class 12B, Add	*4.11*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*1.81*	
26 05 36 00-0753	LF	36" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	38.88	8.39
		For Class 12C Instead Of Class 12B, Add	*4.43*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.19*	
		For 6" Overall Height Instead Of 4-5/8", Add	*1.94*	

26 05 36 00-0754 6" Rung Spacing *(26 05 36 00-0745)*

26 05 36 00-0755	LF	6" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	22.72	5.76
		For Class 12C Instead Of Class 12B, Add	*2.45*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.79*	
		For 6" Overall Height Instead Of 4-5/8", Add	*1.14*	
26 05 36 00-0756	LF	9" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	23.97	6.09
		For Class 12C Instead Of Class 12B, Add	*2.58*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.89*	
		For 6" Overall Height Instead Of 4-5/8", Add	*1.20*	
26 05 36 00-0757	LF	12" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	25.21	6.33
		For Class 12C Instead Of Class 12B, Add	*2.72*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*1.26*	
26 05 36 00-0758	LF	18" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	27.87	6.92
		For Class 12C Instead Of Class 12B, Add	*3.02*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.21*	
		For 6" Overall Height Instead Of 4-5/8", Add	*1.39*	
26 05 36 00-0759	LF	24" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	31.30	7.41
		For Class 12C Instead Of Class 12B, Add	*3.47*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.52*	
		For 6" Overall Height Instead Of 4-5/8", Add	*1.57*	
26 05 36 00-0760	LF	30" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	34.06	7.90
		For Class 12C Instead Of Class 12B, Add	*3.80*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*1.70*	
26 05 36 00-0761	LF	36" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	36.62	8.39
		For Class 12C Instead Of Class 12B, Add	*4.09*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*1.83*	

26 05 36 00-0762 9" Rung Spacing *(26 05 36 00-0745)*

26 05 36 00-0763	LF	6" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	20.72	5.51
		For Class 12C Instead Of Class 12B, Add	*2.19*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*1.04*	
26 05 36 00-0764	LF	9" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	21.19	5.76
		For Class 12C Instead Of Class 12B, Add	*2.22*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.64*	
		For 6" Overall Height Instead Of 4-5/8", Add	*1.06*	
26 05 36 00-0765	LF	12" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	22.55	6.09
		For Class 12C Instead Of Class 12B, Add	*2.37*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*1.13*	
26 05 36 00-0766	LF	18" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	24.11	6.50
		For Class 12C Instead Of Class 12B, Add	*2.53*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.87*	
		For 6" Overall Height Instead Of 4-5/8", Add	*1.21*	
26 05 36 00-0767	LF	24" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	26.55	6.75
		For Class 12C Instead Of Class 12B, Add	*2.86*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.09*	
		For 6" Overall Height Instead Of 4-5/8", Add	*1.33*	
26 05 36 00-0768	LF	30" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	29.19	7.25
		For Class 12C Instead Of Class 12B, Add	*3.16*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*1.46*	
26 05 36 00-0769	LF	36" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	31.19	7.90
		For Class 12C Instead Of Class 12B, Add	*3.36*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.46*	
		For 6" Overall Height Instead Of 4-5/8", Add	*1.56*	

26 05 36 00-0770 12" Rung Spacing *(26 05 36 00-0745)*

26 05 36 00-0771	LF	6" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	20.21	5.35
		For Class 12C Instead Of Class 12B, Add	*2.14*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*1.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0772	LF	9" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	20.59	5.51
		For Class 12C Instead Of Class 12B, Add	*2.17*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.60*	
		For 6" Overall Height Instead Of 4-5/8", Add	*1.03*	
26 05 36 00-0773	LF	12" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	21.52	5.84
		For Class 12C Instead Of Class 12B, Add	*2.25*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.66*	
		For 6" Overall Height Instead Of 4-5/8", Add	*1.08*	
26 05 36 00-0774	LF	18" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	22.79	6.17
		For Class 12C Instead Of Class 12B, Add	*2.38*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.76*	
		For 6" Overall Height Instead Of 4-5/8", Add	*1.14*	
26 05 36 00-0775	LF	24" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	24.34	6.25
		For Class 12C Instead Of Class 12B, Add	*2.60*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.91*	
		For 6" Overall Height Instead Of 4-5/8", Add	*1.22*	
26 05 36 00-0776	LF	30" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	26.29	6.92
		For Class 12C Instead Of Class 12B, Add	*2.80*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.06*	
		For 6" Overall Height Instead Of 4-5/8", Add	*1.31*	
26 05 36 00-0777	LF	36" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	28.03	7.49
		For Class 12C Instead Of Class 12B, Add	*2.96*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*1.40*	
26 05 36 00-0778		18" Rung Spacing *(26 05 36 00-0745)*		
26 05 36 00-0779	LF	6" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	19.90	5.18
		For Class 12C Instead Of Class 12B, Add	*2.12*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.56*	
		For 6" Overall Height Instead Of 4-5/8", Add	*1.00*	
26 05 36 00-0780	LF	9" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	20.10	5.43
		For Class 12C Instead Of Class 12B, Add	*2.12*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.56*	
		For 6" Overall Height Instead Of 4-5/8", Add	*1.01*	
26 05 36 00-0781	LF	12" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	21.11	5.59
		For Class 12C Instead Of Class 12B, Add	*2.23*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.64*	
		For 6" Overall Height Instead Of 4-5/8", Add	*1.06*	
26 05 36 00-0782	LF	18" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	22.22	5.92
		For Class 12C Instead Of Class 12B, Add	*2.35*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.73*	
		For 6" Overall Height Instead Of 4-5/8", Add	*1.11*	
26 05 36 00-0783	LF	24" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	23.34	6.00
		For Class 12C Instead Of Class 12B, Add	*2.50*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.83*	
		For 6" Overall Height Instead Of 4-5/8", Add	*1.17*	
26 05 36 00-0784	LF	30" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	24.69	6.58
		For Class 12C Instead Of Class 12B, Add	*2.61*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-1.92*	
		For 6" Overall Height Instead Of 4-5/8", Add	*1.23*	
26 05 36 00-0785	LF	36" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	26.39	7.16
		For Class 12C Instead Of Class 12B, Add	*2.76*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.04*	
		For 6" Overall Height Instead Of 4-5/8", Add	*1.32*	
26 05 36 00-0786		4" Rung Tray Fittings *(26 05 36 00-0744)*		
26 05 36 00-0787		90 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-0786)*		
26 05 36 00-0788	EA	6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	197.54	82.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.88*	
		For 6" Overall Height Instead Of 4-5/8", Add	*9.88*	
26 05 36 00-0789	EA	9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	218.22	93.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.91*	
26 05 36 00-0790	EA	12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	246.10	103.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.95*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.31*	
26 05 36 00-0791	EA	18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	294.36	127.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.82*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.72*	
26 05 36 00-0792	EA	24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	345.56	146.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.37*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.28*	
26 05 36 00-0793	EA	30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	382.19	164.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.50*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.11*	
26 05 36 00-0794	EA	36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	444.19	188.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.21*	
26 05 36 00-0795		90 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-0786)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0796	EA	6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	249.42	85.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.79*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.47*	
26 05 36 00-0797	EA	9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	275.37	98.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.77*	
26 05 36 00-0798	EA	12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	299.10	109.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.77*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.96*	
26 05 36 00-0799	EA	18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	353.18	136.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.66*	
26 05 36 00-0800	EA	24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	401.68	158.09
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.08*	
26 05 36 00-0801	EA	30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	450.20	179.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.07*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.51*	
26 05 36 00-0802	EA	36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	516.52	207.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.33*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.83*	

26 05 36 00-0803 90 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-0786)*

26 05 36 00-0804	EA	6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	266.51	89.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.33*	
26 05 36 00-0805	EA	9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	293.06	103.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.65*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.65*	
26 05 36 00-0806	EA	12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	327.43	116.19
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.06*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.37*	
26 05 36 00-0807	EA	18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	394.18	146.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.23*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.71*	
26 05 36 00-0808	EA	24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	456.30	171.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.32*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.82*	
26 05 36 00-0809	EA	30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	516.06	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.15*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.80*	
26 05 36 00-0810	EA	36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	600.94	232.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.76*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.05*	

26 05 36 00-0811 45 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-0786)*

26 05 36 00-0812	EA	6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	139.17	59.82
		For 60 Degree Bend, Deduct	*-23.00*	
		For 30 Degree Bend, Deduct	*-41.66*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-8.93*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.96*	
26 05 36 00-0813	EA	9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	160.56	71.76
		For 60 Degree Bend, Deduct	*-25.49*	
		For 30 Degree Bend, Deduct	*-46.47*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.08*	
		For 6" Overall Height Instead Of 4-5/8", Add	*8.03*	
26 05 36 00-0814	EA	12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	179.69	82.30
		For 60 Degree Bend, Deduct	*-27.75*	
		For 30 Degree Bend, Deduct	*-50.83*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*8.98*	
26 05 36 00-0815	EA	18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	223.46	104.01
		For 60 Degree Bend, Deduct	*-33.88*	
		For 30 Degree Bend, Deduct	*-62.24*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.17*	
26 05 36 00-0816	EA	24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	274.61	127.39
		For 60 Degree Bend, Deduct	*-41.79*	
		For 30 Degree Bend, Deduct	*-76.73*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.85*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.73*	
26 05 36 00-0817	EA	30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	315.17	146.23
		For 60 Degree Bend, Deduct	*-47.94*	
		For 30 Degree Bend, Deduct	*-88.03*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.33*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.76*	
26 05 36 00-0818	EA	36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	360.58	171.66
		For 60 Degree Bend, Deduct	*-53.18*	
		For 30 Degree Bend, Deduct	*-98.17*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0819		**45 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-0786)*		
26 05 36 00-0820	EA	6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	155.99	61.72
		For 60 Degree Bend, Deduct	*-27.83*	
		For 30 Degree Bend, Deduct	*-49.81*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.46*	
		For 6" Overall Height Instead Of 4-5/8", Add	*7.80*	
26 05 36 00-0821	EA	9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	183.27	74.39
		For 60 Degree Bend, Deduct	*-31.96*	
		For 30 Degree Bend, Deduct	*-57.40*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.13*	
		For 6" Overall Height Instead Of 4-5/8", Add	*9.16*	
26 05 36 00-0822	EA	12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	203.94	85.91
		For 60 Degree Bend, Deduct	*-34.37*	
		For 30 Degree Bend, Deduct	*-62.06*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.20*	
26 05 36 00-0823	EA	18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	248.20	109.70
		For 60 Degree Bend, Deduct	*-39.85*	
		For 30 Degree Bend, Deduct	*-72.51*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.41*	
26 05 36 00-0824	EA	24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	303.04	136.28
		For 60 Degree Bend, Deduct	*-47.78*	
		For 30 Degree Bend, Deduct	*-87.20*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.95*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.15*	
26 05 36 00-0825	EA	30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	354.58	158.09
		For 60 Degree Bend, Deduct	*-56.42*	
		For 30 Degree Bend, Deduct	*-102.82*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.73*	
26 05 36 00-0826	EA	36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	409.34	188.20
		For 60 Degree Bend, Deduct	*-62.95*	
		For 30 Degree Bend, Deduct	*-115.37*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.25*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.47*	
26 05 36 00-0827		**45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-0786)*		
26 05 36 00-0828	EA	6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	177.51	63.69
		For 60 Degree Bend, Deduct	*-34.18*	
		For 30 Degree Bend, Deduct	*-60.50*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.45*	
		For 6" Overall Height Instead Of 4-5/8", Add	*8.88*	
26 05 36 00-0829	EA	9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	201.83	77.35
		For 60 Degree Bend, Deduct	*-36.96*	
		For 30 Degree Bend, Deduct	*-65.89*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.09*	
26 05 36 00-0830	EA	12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	224.07	89.78
		For 60 Degree Bend, Deduct	*-39.53*	
		For 30 Degree Bend, Deduct	*-70.87*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.93*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.20*	
26 05 36 00-0831	EA	18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	275.77	116.19
		For 60 Degree Bend, Deduct	*-46.45*	
		For 30 Degree Bend, Deduct	*-83.87*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.89*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.79*	
26 05 36 00-0832	EA	24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	344.04	146.23
		For 60 Degree Bend, Deduct	*-57.47*	
		For 30 Degree Bend, Deduct	*-103.91*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.22*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.20*	
26 05 36 00-0833	EA	30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	392.49	171.66
		For 60 Degree Bend, Deduct	*-63.71*	
		For 30 Degree Bend, Deduct	*-115.72*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.94*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.62*	
26 05 36 00-0834	EA	36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	463.34	207.79
		For 60 Degree Bend, Deduct	*-73.24*	
		For 30 Degree Bend, Deduct	*-133.61*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.17*	
26 05 36 00-0835		**90 Degree, 12" Radius Vertical Risers** *(26 05 36 00-0786)*		
26 05 36 00-0836	EA	6" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	211.76	82.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.32*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.59*	
26 05 36 00-0837	EA	9" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	235.36	93.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.70*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.77*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0838	EA	12" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	253.21	103.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.66*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.66*	
26 05 36 00-0839	EA	18" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	295.06	127.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.89*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.75*	
26 05 36 00-0840	EA	24" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	330.58	146.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.87*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.53*	
26 05 36 00-0841	EA	30" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	365.20	164.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.80*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.26*	
26 05 36 00-0842	EA	36" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	406.75	187.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.34*	

26 05 36 00-0843 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-0786)*

26 05 36 00-0844	EA	6" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	223.78	85.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.23*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.19*	
26 05 36 00-0845	EA	9" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	248.69	98.75
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.64*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.43*	
26 05 36 00-0846	EA	12" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	269.01	109.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.76*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.45*	
26 05 36 00-0847	EA	18" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	317.96	136.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.44*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.90*	
26 05 36 00-0848	EA	24" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	359.74	158.09
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.80*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.99*	
26 05 36 00-0849	EA	30" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	400.76	179.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.13*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.04*	
26 05 36 00-0850	EA	36" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	454.88	207.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.74*	

26 05 36 00-0851 90 Degree, 36" Radius Vertical Risers *(26 05 36 00-0786)*

26 05 36 00-0852	EA	6" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	274.33	89.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.72*	
26 05 36 00-0853	EA	9" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	300.69	103.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.03*	
26 05 36 00-0854	EA	12" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	329.38	116.19
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.25*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.47*	
26 05 36 00-0855	EA	18" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	384.85	146.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.24*	
26 05 36 00-0856	EA	24" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	432.64	171.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.63*	
26 05 36 00-0857	EA	30" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	486.54	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.20*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.33*	
26 05 36 00-0858	EA	36" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	550.86	232.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.54*	

26 05 36 00-0859 12" Radius Horizontal Tees *(26 05 36 00-0786)*

26 05 36 00-0860	EA	6" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	349.48	158.09
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.47*	
26 05 36 00-0861	EA	9" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	377.84	171.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.48*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.89*	
26 05 36 00-0862	EA	12" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	392.14	179.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.26*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.61*	
26 05 36 00-0863	EA	18" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	440.63	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.60*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.03*	
26 05 36 00-0864	EA	24" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	488.16	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.41*	
26 05 36 00-0865	EA	30" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	529.94	232.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.62*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0866	EA	36" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	609.37	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.47*	
26 05 36 00-0867		**24" Radius Horizontal Tees** *(26 05 36 00-0786)*		
26 05 36 00-0868	EA	6" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	432.86	171.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.64*	
26 05 36 00-0869	EA	9" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	468.82	188.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.20*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.44*	
26 05 36 00-0870	EA	12" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	488.60	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.43*	
26 05 36 00-0871	EA	18" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	538.95	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.62*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.95*	
26 05 36 00-0872	EA	24" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	600.52	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.48*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.03*	
26 05 36 00-0873	EA	30" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	646.06	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.67*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.30*	
26 05 36 00-0874	EA	36" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	824.16	304.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.08*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.21*	
26 05 36 00-0875		**36" Radius Horizontal Tees** *(26 05 36 00-0786)*		
26 05 36 00-0876	EA	6" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	521.02	188.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.42*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.05*	
26 05 36 00-0877	EA	9" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	559.39	207.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.62*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.97*	
26 05 36 00-0878	EA	12" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	598.20	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.91*	
26 05 36 00-0879	EA	18" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	656.95	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.12*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.85*	
26 05 36 00-0880	EA	24" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	740.60	281.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.03*	
26 05 36 00-0881	EA	30" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	849.56	304.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.62*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.48*	
26 05 36 00-0882	EA	36" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	978.99	358.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.95*	
26 05 36 00-0883		**12" Radius Vertical Tees** *(26 05 36 00-0786)*		
26 05 36 00-0884	EA	6" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	437.05	146.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.52*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.85*	
26 05 36 00-0885	EA	9" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	452.29	151.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.56*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.61*	
26 05 36 00-0886	EA	12" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	463.76	158.09
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.21*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.19*	
26 05 36 00-0887	EA	18" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	490.71	171.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.76*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.54*	
26 05 36 00-0888	EA	24" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	520.53	179.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.10*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.03*	
26 05 36 00-0889	EA	30" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	554.91	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.03*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.75*	
26 05 36 00-0890	EA	36" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	598.20	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.91*	
26 05 36 00-0891		**24" Radius Vertical Tees** *(26 05 36 00-0786)*		
26 05 36 00-0892	EA	6" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	590.74	158.09
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.90*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.54*	
26 05 36 00-0893	EA	9" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	605.86	164.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.87*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.29*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0894	EA	12" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	621.92	171.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.89*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.10*	
26 05 36 00-0895	EA	18" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	659.28	188.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.25*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.96*	
26 05 36 00-0896	EA	24" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	683.30	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.87*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.17*	
26 05 36 00-0897	EA	30" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	728.00	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.53*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.40*	
26 05 36 00-0898	EA	36" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	806.50	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.08*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.33*	

26 05 36 00-0899 36" Radius Vertical Tee *(26 05 36 00-0786)*

26 05 36 00-0900	EA	6" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	908.81	171.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.44*	
26 05 36 00-0901	EA	9" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	929.79	179.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.03*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.49*	
26 05 36 00-0902	EA	12" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	952.47	188.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.62*	
26 05 36 00-0903	EA	18" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	993.30	207.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*49.67*	
26 05 36 00-0904	EA	24" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,020.45	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.77*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.02*	
26 05 36 00-0905	EA	30" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,090.75	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-88.50*	
		For 6" Overall Height Instead Of 4-5/8", Add	*54.54*	
26 05 36 00-0906	EA	36" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,157.08	281.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-92.22*	
		For 6" Overall Height Instead Of 4-5/8", Add	*57.85*	

26 05 36 00-0907 12" Radius Horizontal Crosses *(26 05 36 00-0786)*

26 05 36 00-0908	EA	6" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	449.09	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.45*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.45*	
26 05 36 00-0909	EA	9" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	478.97	207.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.95*	
26 05 36 00-0910	EA	12" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	499.44	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.67*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.97*	
26 05 36 00-0911	EA	18" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	549.69	232.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.60*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.48*	
26 05 36 00-0912	EA	24" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	606.55	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.72*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.33*	
26 05 36 00-0913	EA	30" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	667.23	281.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.36*	
26 05 36 00-0914	EA	36" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	753.62	304.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.03*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.68*	

26 05 36 00-0915 24" Radius Horizontal Crosses *(26 05 36 00-0786)*

26 05 36 00-0916	EA	6" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	595.38	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.77*	
26 05 36 00-0917	EA	9" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	624.47	232.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.08*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.22*	
26 05 36 00-0918	EA	12" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	655.54	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.78*	
26 05 36 00-0919	EA	18" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	695.44	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.77*	
26 05 36 00-0920	EA	24" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	786.07	304.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.30*	
26 05 36 00-0921	EA	30" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	833.22	329.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.89*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0922	EA	36" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	918.91	358.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.95*	
26 05 36 00-0923		**36" Radius Horizontal Crosses** *(26 05 36 00-0786)*		
26 05 36 00-0924	EA	6" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	682.35	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.66*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.12*	
26 05 36 00-0925	EA	9" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	707.15	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.36*	
26 05 36 00-0926	EA	12" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	754.31	281.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.95*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.72*	
26 05 36 00-0927	EA	18" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	825.58	304.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.22*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.28*	
26 05 36 00-0928	EA	24" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	993.10	358.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*49.66*	
26 05 36 00-0929	EA	30" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,094.65	394.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.60*	
		For 6" Overall Height Instead Of 4-5/8", Add	*54.73*	
26 05 36 00-0930	EA	36" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,218.89	439.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.28*	
		For 6" Overall Height Instead Of 4-5/8", Add	*60.94*	
26 05 36 00-0931		**12" Radius Vertical Cross** *(26 05 36 00-0786)*		
26 05 36 00-0932	EA	6" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	449.09	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.45*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.45*	
26 05 36 00-0933	EA	9" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	479.08	207.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.59*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.95*	
26 05 36 00-0934	EA	12" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	499.38	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.67*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.97*	
26 05 36 00-0935	EA	18" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	549.83	232.55
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.60*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.49*	
26 05 36 00-0936	EA	24" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	606.55	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.72*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.33*	
26 05 36 00-0937	EA	30" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	667.44	281.94
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.25*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.37*	
26 05 36 00-0938	EA	36" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	753.00	303.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.65*	
26 05 36 00-0939		**24" Radius Vertical Crosses** *(26 05 36 00-0786)*		
26 05 36 00-0940	EA	6" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	595.38	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.77*	
26 05 36 00-0941	EA	9" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	624.47	232.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.08*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.22*	
26 05 36 00-0942	EA	12" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	655.54	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.78*	
26 05 36 00-0943	EA	18" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	695.44	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.77*	
26 05 36 00-0944	EA	24" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	786.07	304.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.30*	
26 05 36 00-0945	EA	30" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	847.72	329.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.34*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.39*	
26 05 36 00-0946	EA	36" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	935.26	358.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.62*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.76*	
26 05 36 00-0947		**36" Radius Vertical Crosses** *(26 05 36 00-0786)*		
26 05 36 00-0948	EA	6" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	804.24	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.85*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.21*	
26 05 36 00-0949	EA	9" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	847.81	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.85*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.39*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0950	EA	12" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	903.41	281.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.86*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.17*	
26 05 36 00-0951	EA	18" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	969.06	304.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.45*	
26 05 36 00-0952	EA	24" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,170.87	358.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*58.54*	
26 05 36 00-0953	EA	30" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,291.46	394.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-96.28*	
		For 6" Overall Height Instead Of 4-5/8", Add	*64.57*	
26 05 36 00-0954	EA	36" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,437.92	439.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-107.19*	
		For 6" Overall Height Instead Of 4-5/8", Add	*71.90*	

26 05 36 00-0955 6" Rung Tray Fittings *(26 05 36 00-0744)*

26 05 36 00-0956 90 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-0955)*

26 05 36 00-0957	EA	6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	188.96	82.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*9.45*	
26 05 36 00-0958	EA	9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	209.42	93.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.47*	
26 05 36 00-0959	EA	12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	235.68	103.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.91*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.78*	
26 05 36 00-0960	EA	18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	282.64	127.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.65*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.13*	
26 05 36 00-0961	EA	24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	331.02	146.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.91*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.55*	
26 05 36 00-0962	EA	30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	366.78	164.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.34*	
26 05 36 00-0963	EA	36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	425.52	188.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.88*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.28*	

26 05 36 00-0964 90 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-0955)*

26 05 36 00-0965	EA	6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	234.22	85.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.71*	
26 05 36 00-0966	EA	9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	259.52	98.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.73*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.98*	
26 05 36 00-0967	EA	12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	282.50	109.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.13*	
26 05 36 00-0968	EA	18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	335.16	136.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.76*	
26 05 36 00-0969	EA	24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	381.93	158.09
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.10*	
26 05 36 00-0970	EA	30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	428.60	179.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.91*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.43*	
26 05 36 00-0971	EA	36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	492.21	207.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.90*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.61*	

26 05 36 00-0972 90 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-0955)*

26 05 36 00-0973	EA	6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	249.80	89.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.50*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.49*	
26 05 36 00-0974	EA	9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	275.91	103.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.94*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.80*	
26 05 36 00-0975	EA	12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	308.33	116.19
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.15*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.42*	
26 05 36 00-0976	EA	18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	372.69	146.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.08*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.63*	
26 05 36 00-0977	EA	24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	431.99	171.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.89*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0978	EA	30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	489.36	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.48*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.47*	
26 05 36 00-0979	EA	36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	570.34	232.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.70*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.52*	
26 05 36 00-0980		**45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-0955)*		
26 05 36 00-0981	EA	6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	133.53	59.82
		For 60 Degree Bend, Deduct	*-21.14*	
		For 30 Degree Bend, Deduct	*-38.56*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-8.37*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.68*	
26 05 36 00-0982	EA	9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	154.70	71.76
		For 60 Degree Bend, Deduct	*-23.56*	
		For 30 Degree Bend, Deduct	*-43.25*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.49*	
		For 6" Overall Height Instead Of 4-5/8", Add	*7.74*	
26 05 36 00-0983	EA	12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	173.62	82.30
		For 60 Degree Bend, Deduct	*-25.75*	
		For 30 Degree Bend, Deduct	*-47.49*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.50*	
		For 6" Overall Height Instead Of 4-5/8", Add	*8.68*	
26 05 36 00-0984	EA	18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	216.30	104.01
		For 60 Degree Bend, Deduct	*-31.52*	
		For 30 Degree Bend, Deduct	*-58.30*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.82*	
26 05 36 00-0985	EA	24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	265.71	127.39
		For 60 Degree Bend, Deduct	*-38.85*	
		For 30 Degree Bend, Deduct	*-71.83*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.29*	
26 05 36 00-0986	EA	30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	304.97	146.23
		For 60 Degree Bend, Deduct	*-44.58*	
		For 30 Degree Bend, Deduct	*-82.42*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.25*	
26 05 36 00-0987	EA	36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	349.94	171.66
		For 60 Degree Bend, Deduct	*-49.67*	
		For 30 Degree Bend, Deduct	*-92.32*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.50*	
26 05 36 00-0988		**45 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-0955)*		
26 05 36 00-0989	EA	6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	148.39	61.72
		For 60 Degree Bend, Deduct	*-25.32*	
		For 30 Degree Bend, Deduct	*-45.63*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.70*	
		For 6" Overall Height Instead Of 4-5/8", Add	*7.42*	
26 05 36 00-0990	EA	9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	174.80	74.39
		For 60 Degree Bend, Deduct	*-29.16*	
		For 30 Degree Bend, Deduct	*-52.74*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.28*	
		For 6" Overall Height Instead Of 4-5/8", Add	*8.74*	
26 05 36 00-0991	EA	12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	195.25	85.91
		For 60 Degree Bend, Deduct	*-31.51*	
		For 30 Degree Bend, Deduct	*-57.28*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.37*	
		For 6" Overall Height Instead Of 4-5/8", Add	*9.76*	
26 05 36 00-0992	EA	18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	238.87	109.70
		For 60 Degree Bend, Deduct	*-36.77*	
		For 30 Degree Bend, Deduct	*-67.37*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.94*	
26 05 36 00-0993	EA	24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	292.19	136.28
		For 60 Degree Bend, Deduct	*-44.20*	
		For 30 Degree Bend, Deduct	*-81.23*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.87*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.61*	
26 05 36 00-0994	EA	30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	341.56	158.09
		For 60 Degree Bend, Deduct	*-52.13*	
		For 30 Degree Bend, Deduct	*-95.66*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.08*	
26 05 36 00-0995	EA	36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	395.67	188.20
		For 60 Degree Bend, Deduct	*-58.44*	
		For 30 Degree Bend, Deduct	*-107.85*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.89*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.78*	
26 05 36 00-0996		**45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-0955)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0997	EA	6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	167.31	63.69
		For 60 Degree Bend, Deduct	*-30.81*	
		For 30 Degree Bend, Deduct	*-54.89*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*8.37*	
26 05 36 00-0998	EA	9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	191.41	77.35
		For 60 Degree Bend, Deduct	*-33.52*	
		For 30 Degree Bend, Deduct	*-60.16*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.70*	
		For 6" Overall Height Instead Of 4-5/8", Add	*9.57*	
26 05 36 00-0999	EA	12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	213.43	89.78
		For 60 Degree Bend, Deduct	*-36.02*	
		For 30 Degree Bend, Deduct	*-65.02*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.86*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.67*	
26 05 36 00-1000	EA	18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	264.05	116.19
		For 60 Degree Bend, Deduct	*-42.58*	
		For 30 Degree Bend, Deduct	*-77.43*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.72*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.20*	
26 05 36 00-1001	EA	24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	329.71	146.23
		For 60 Degree Bend, Deduct	*-52.74*	
		For 30 Degree Bend, Deduct	*-96.02*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.49*	
26 05 36 00-1002	EA	30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	377.29	171.66
		For 60 Degree Bend, Deduct	*-58.70*	
		For 30 Degree Bend, Deduct	*-107.36*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.42*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.86*	
26 05 36 00-1003	EA	36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	446.63	207.79
		For 60 Degree Bend, Deduct	*-67.73*	
		For 30 Degree Bend, Deduct	*-124.42*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.35*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.33*	

26 05 36 00-1004 90 Degree, 12" Radius Vertical Risers *(26 05 36 00-0955)*

26 05 36 00-1005	EA	6" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	205.79	82.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.72*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.29*	
26 05 36 00-1006	EA	9" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	229.07	93.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.07*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.45*	
26 05 36 00-1007	EA	12" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	246.81	103.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.34*	
26 05 36 00-1008	EA	18" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	288.44	127.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.23*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.42*	
26 05 36 00-1009	EA	24" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	323.64	146.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.18*	
26 05 36 00-1010	EA	30" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	357.93	164.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.08*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.90*	
26 05 36 00-1011	EA	36" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	399.26	187.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.96*	

26 05 36 00-1012 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-0955)*

26 05 36 00-1013	EA	6" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	217.32	85.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.87*	
26 05 36 00-1014	EA	9" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	241.96	98.75
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.97*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.10*	
26 05 36 00-1015	EA	12" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	262.12	109.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.07*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.11*	
26 05 36 00-1016	EA	18" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	310.69	136.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.72*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.53*	
26 05 36 00-1017	EA	24" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	352.03	158.09
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.03*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.60*	
26 05 36 00-1018	EA	30" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	392.63	179.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.63*	
26 05 36 00-1019	EA	36" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	446.20	207.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1020		**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-0955)*		
26 05 36 00-1021	EA	6" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	264.34	89.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.22*	
26 05 36 00-1022	EA	9" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	290.49	103.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.52*	
26 05 36 00-1023	EA	12" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	318.53	116.19
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.93*	
26 05 36 00-1024	EA	18" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	373.56	146.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.68*	
26 05 36 00-1025	EA	24" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	420.92	171.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.79*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.05*	
26 05 36 00-1026	EA	30" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	473.95	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.94*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.70*	
26 05 36 00-1027	EA	36" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	537.73	232.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.44*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.89*	
26 05 36 00-1028		**12" Radius Horizontal Tees** *(26 05 36 00-0955)*		
26 05 36 00-1029	EA	6" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	342.86	158.09
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.12*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.14*	
26 05 36 00-1030	EA	9" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	370.78	171.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.77*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.54*	
26 05 36 00-1031	EA	12" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	384.97	179.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.25*	
26 05 36 00-1032	EA	18" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	432.05	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.60*	
26 05 36 00-1033	EA	24" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	478.71	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.60*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.94*	
26 05 36 00-1034	EA	30" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	518.98	232.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.53*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.95*	
26 05 36 00-1035	EA	36" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	596.24	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.81*	
26 05 36 00-1036		**24" Radius Horizontal Tees** *(26 05 36 00-0955)*		
26 05 36 00-1037	EA	6" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	421.57	171.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.85*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.08*	
26 05 36 00-1038	EA	9" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	456.88	188.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.84*	
26 05 36 00-1039	EA	12" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	476.33	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.82*	
26 05 36 00-1040	EA	18" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	525.60	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.28*	
26 05 36 00-1041	EA	24" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	585.97	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.30*	
26 05 36 00-1042	EA	30" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	630.10	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.08*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.51*	
26 05 36 00-1043	EA	36" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	799.75	304.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.64*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.99*	
26 05 36 00-1044		**36" Radius Horizontal Tees** *(26 05 36 00-0955)*		
26 05 36 00-1045	EA	6" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	505.06	188.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.83*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.25*	
26 05 36 00-1046	EA	9" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	543.00	207.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.15*	
26 05 36 00-1047	EA	12" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	580.30	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.76*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1048	EA	18" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	638.07	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.23*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.90*	
26 05 36 00-1049	EA	24" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	719.76	281.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.49*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.99*	
26 05 36 00-1050	EA	30" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	823.19	304.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.16*	
26 05 36 00-1051	EA	36" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	949.69	358.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.07*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.48*	

26 05 36 00-1052 12" Radius Vertical Tees *(26 05 36 00-0955)*

26 05 36 00-1053	EA	6" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	422.18	146.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.03*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.11*	
26 05 36 00-1054	EA	9" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	436.99	151.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.03*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.85*	
26 05 36 00-1055	EA	12" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	448.35	158.09
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.66*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.42*	
26 05 36 00-1056	EA	18" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	474.97	171.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.19*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.75*	
26 05 36 00-1057	EA	24" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	503.49	179.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.17*	
26 05 36 00-1058	EA	30" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	537.54	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.88*	
26 05 36 00-1059	EA	36" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	580.30	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.76*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.02*	

26 05 36 00-1060 24" Radius Vertical Tees *(26 05 36 00-0955)*

26 05 36 00-1061	EA	6" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	565.56	158.09
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.28*	
26 05 36 00-1062	EA	9" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	580.36	164.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.32*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.02*	
26 05 36 00-1063	EA	12" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	596.09	171.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.80*	
26 05 36 00-1064	EA	18" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	632.69	188.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.59*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.63*	
26 05 36 00-1065	EA	24" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	656.06	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.15*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.80*	
26 05 36 00-1066	EA	30" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	700.11	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.01*	
26 05 36 00-1067	EA	36" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	776.11	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.04*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.81*	

26 05 36 00-1068 36" Radius Vertical Tees *(26 05 36 00-0955)*

26 05 36 00-1069	EA	6" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	860.92	171.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.79*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.05*	
26 05 36 00-1070	EA	9" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	881.27	179.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.06*	
26 05 36 00-1071	EA	12" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	903.33	188.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.65*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.17*	
26 05 36 00-1072	EA	18" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	943.54	207.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.04*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.18*	
26 05 36 00-1073	EA	24" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	970.06	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.50*	
26 05 36 00-1074	EA	30" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,038.50	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.28*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.93*	
26 05 36 00-1075	EA	36" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,104.21	281.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.94*	
		For 6" Overall Height Instead Of 4-5/8", Add	*55.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1076		**12" Radius Horizontal Crosses** *(26 05 36 00-0955)*		
26 05 36 00-1077	EA	6" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	439.87	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.53*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.99*	
26 05 36 00-1078	EA	9" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	468.77	207.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.56*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.44*	
26 05 36 00-1079	EA	12" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	489.13	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.64*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.46*	
26 05 36 00-1080	EA	18" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	537.21	232.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.35*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.86*	
26 05 36 00-1081	EA	24" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	593.64	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.68*	
26 05 36 00-1082	EA	30" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	652.04	281.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.72*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.60*	
26 05 36 00-1083	EA	36" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	734.63	304.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.13*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.73*	
26 05 36 00-1084		**24" Radius Horizontal Crosses** *(26 05 36 00-0955)*		
26 05 36 00-1085	EA	6" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	577.69	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.50*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.88*	
26 05 36 00-1086	EA	9" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	606.23	232.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.25*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.31*	
26 05 36 00-1087	EA	12" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	636.76	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.10*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.84*	
26 05 36 00-1088	EA	18" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	675.69	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.64*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.78*	
26 05 36 00-1089	EA	24" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	764.58	304.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.12*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.23*	
26 05 36 00-1090	EA	30" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	824.72	329.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.04*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.24*	
26 05 36 00-1091	EA	36" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	909.32	358.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.03*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.47*	
26 05 36 00-1092		**36" Radius Horizontal Crosses** *(26 05 36 00-0955)*		
26 05 36 00-1093	EA	6" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	661.51	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.08*	
26 05 36 00-1094	EA	9" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	699.13	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.96*	
26 05 36 00-1095	EA	12" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	745.81	281.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.10*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.29*	
26 05 36 00-1096	EA	18" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	801.05	304.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.77*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.05*	
26 05 36 00-1097	EA	24" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	962.71	358.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.37*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.14*	
26 05 36 00-1098	EA	30" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,061.00	394.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.05*	
26 05 36 00-1099	EA	36" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,181.45	439.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.54*	
		For 6" Overall Height Instead Of 4-5/8", Add	*59.07*	
26 05 36 00-1100		**12" Radius Vertical Crosses** *(26 05 36 00-0955)*		
26 05 36 00-1101	EA	6" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	439.87	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.53*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.99*	
26 05 36 00-1102	EA	9" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	468.88	207.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.44*	
26 05 36 00-1103	EA	12" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	489.07	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.64*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.45*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1104	EA	18" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	537.35	232.55
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.36*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.87*	
26 05 36 00-1105	EA	24" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	593.64	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.68*	
26 05 36 00-1106	EA	30" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	652.25	281.94
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.73*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.61*	
26 05 36 00-1107	EA	36" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	734.01	303.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.10*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.70*	

26 05 36 00-1108 24" Radius Vertical Crosses *(26 05 36 00-0955)*

26 05 36 00-1109	EA	6" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	577.69	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.50*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.88*	
26 05 36 00-1110	EA	9" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	606.23	232.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.25*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.31*	
26 05 36 00-1111	EA	12" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	636.76	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.10*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.84*	
26 05 36 00-1112	EA	18" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	675.69	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.64*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.78*	
26 05 36 00-1113	EA	24" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	764.58	304.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.12*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.23*	
26 05 36 00-1114	EA	30" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	824.72	329.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.04*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.24*	
26 05 36 00-1115	EA	36" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	909.32	358.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.03*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.47*	

26 05 36 00-1116 36" Radius Vertical Crosses *(26 05 36 00-0955)*

26 05 36 00-1117	EA	6" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	774.03	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.83*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.70*	
26 05 36 00-1118	EA	9" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	816.34	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.70*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.82*	
26 05 36 00-1119	EA	12" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	870.05	281.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.52*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.50*	
26 05 36 00-1120	EA	18" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	933.50	304.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.68*	
26 05 36 00-1121	EA	24" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,126.81	358.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*56.34*	
26 05 36 00-1122	EA	30" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,242.68	394.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-91.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*62.13*	
26 05 36 00-1123	EA	36" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,383.63	439.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-101.76*	
		For 6" Overall Height Instead Of 4-5/8", Add	*69.18*	

26 05 36 00-1124 9" Rung Tray Fittings *(26 05 36 00-0744)*

26 05 36 00-1125 90 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-1124)*

26 05 36 00-1126	EA	6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	180.39	82.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*9.02*	
26 05 36 00-1127	EA	9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	200.63	93.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.23*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.03*	
26 05 36 00-1128	EA	12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	225.26	103.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.87*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.26*	
26 05 36 00-1129	EA	18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	270.92	127.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.48*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.55*	
26 05 36 00-1130	EA	24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	316.47	146.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.46*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.82*	
26 05 36 00-1131	EA	30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	351.36	164.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.42*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1132	EA	36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	406.85	188.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.34*	
26 05 36 00-1133		**90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1124)*		
26 05 36 00-1134	EA	6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	219.03	85.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.95*	
26 05 36 00-1135	EA	9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	243.68	98.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.15*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.18*	
26 05 36 00-1136	EA	12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	265.89	109.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.45*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.29*	
26 05 36 00-1137	EA	18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	317.15	136.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.36*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.86*	
26 05 36 00-1138	EA	24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	362.18	158.09
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.05*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.11*	
26 05 36 00-1139	EA	30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	407.01	179.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.35*	
26 05 36 00-1140	EA	36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	467.90	207.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.47*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.40*	
26 05 36 00-1141		**90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1124)*		
26 05 36 00-1142	EA	6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	233.09	89.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.83*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.65*	
26 05 36 00-1143	EA	9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	258.77	103.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.23*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.94*	
26 05 36 00-1144	EA	12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	289.22	116.19
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.46*	
26 05 36 00-1145	EA	18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	351.20	146.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.93*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.56*	
26 05 36 00-1146	EA	24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	407.68	171.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.46*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.38*	
26 05 36 00-1147	EA	30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	462.66	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.81*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.13*	
26 05 36 00-1148	EA	36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	539.73	232.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.64*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.99*	
26 05 36 00-1149		**45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1124)*		
26 05 36 00-1150	EA	6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	127.89	59.82
		For 60 Degree Bend, Deduct	*-19.28*	
		For 30 Degree Bend, Deduct	*-35.46*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-7.81*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.39*	
26 05 36 00-1151	EA	9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	148.84	71.76
		For 60 Degree Bend, Deduct	*-21.62*	
		For 30 Degree Bend, Deduct	*-40.02*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-8.91*	
		For 6" Overall Height Instead Of 4-5/8", Add	*7.44*	
26 05 36 00-1152	EA	12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	167.54	82.30
		For 60 Degree Bend, Deduct	*-23.74*	
		For 30 Degree Bend, Deduct	*-44.14*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.90*	
		For 6" Overall Height Instead Of 4-5/8", Add	*8.38*	
26 05 36 00-1153	EA	18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	209.13	104.01
		For 60 Degree Bend, Deduct	*-29.15*	
		For 30 Degree Bend, Deduct	*-54.36*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.25*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.46*	
26 05 36 00-1154	EA	24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	256.81	127.39
		For 60 Degree Bend, Deduct	*-35.92*	
		For 30 Degree Bend, Deduct	*-66.94*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.07*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.84*	
26 05 36 00-1155	EA	30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	294.77	146.23
		For 60 Degree Bend, Deduct	*-41.21*	
		For 30 Degree Bend, Deduct	*-76.81*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1156	EA	36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	339.31	171.66
		For 60 Degree Bend, Deduct	*-46.16*	
		For 30 Degree Bend, Deduct	*-86.48*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.62*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.97*	
26 05 36 00-1157		45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1124)*		
26 05 36 00-1158	EA	6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	140.79	61.72
		For 60 Degree Bend, Deduct	*-22.81*	
		For 30 Degree Bend, Deduct	*-41.45*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-8.94*	
		For 6" Overall Height Instead Of 4-5/8", Add	*7.04*	
26 05 36 00-1159	EA	9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	166.34	74.39
		For 60 Degree Bend, Deduct	*-26.37*	
		For 30 Degree Bend, Deduct	*-48.08*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*8.32*	
26 05 36 00-1160	EA	12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	186.57	85.91
		For 60 Degree Bend, Deduct	*-28.64*	
		For 30 Degree Bend, Deduct	*-52.51*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.50*	
		For 6" Overall Height Instead Of 4-5/8", Add	*9.33*	
26 05 36 00-1161	EA	18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	229.54	109.70
		For 60 Degree Bend, Deduct	*-33.69*	
		For 30 Degree Bend, Deduct	*-62.24*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.81*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.48*	
26 05 36 00-1162	EA	24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	281.33	136.28
		For 60 Degree Bend, Deduct	*-40.61*	
		For 30 Degree Bend, Deduct	*-75.26*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.07*	
26 05 36 00-1163	EA	30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	328.54	158.09
		For 60 Degree Bend, Deduct	*-47.83*	
		For 30 Degree Bend, Deduct	*-88.50*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.43*	
26 05 36 00-1164	EA	36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	381.99	188.20
		For 60 Degree Bend, Deduct	*-53.92*	
		For 30 Degree Bend, Deduct	*-100.33*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.52*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.10*	
26 05 36 00-1165		45 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1124)*		
26 05 36 00-1166	EA	6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	157.11	63.69
		For 60 Degree Bend, Deduct	*-27.44*	
		For 30 Degree Bend, Deduct	*-49.28*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*7.86*	
26 05 36 00-1167	EA	9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	180.99	77.35
		For 60 Degree Bend, Deduct	*-30.08*	
		For 30 Degree Bend, Deduct	*-54.43*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.65*	
		For 6" Overall Height Instead Of 4-5/8", Add	*9.05*	
26 05 36 00-1168	EA	12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	202.80	89.78
		For 60 Degree Bend, Deduct	*-32.51*	
		For 30 Degree Bend, Deduct	*-59.17*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.80*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.14*	
26 05 36 00-1169	EA	18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	252.33	116.19
		For 60 Degree Bend, Deduct	*-38.71*	
		For 30 Degree Bend, Deduct	*-70.98*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.62*	
26 05 36 00-1170	EA	24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	315.39	146.23
		For 60 Degree Bend, Deduct	*-48.01*	
		For 30 Degree Bend, Deduct	*-88.15*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.35*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.77*	
26 05 36 00-1171	EA	30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	362.10	171.66
		For 60 Degree Bend, Deduct	*-53.68*	
		For 30 Degree Bend, Deduct	*-99.01*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.90*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.11*	
26 05 36 00-1172	EA	36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	429.92	207.79
		For 60 Degree Bend, Deduct	*-62.21*	
		For 30 Degree Bend, Deduct	*-115.23*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.67*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.50*	
26 05 36 00-1173		90 Degree, 12" Radius Vertical Risers *(26 05 36 00-1124)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1174	EA	6" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	196.84	82.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.83*	
		For 6" Overall Height Instead Of 4-5/8", Add	*9.84*	
26 05 36 00-1175	EA	9" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	219.63	93.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.13*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.98*	
26 05 36 00-1176	EA	12" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	237.20	103.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.06*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.86*	
26 05 36 00-1177	EA	18" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	278.51	127.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.93*	
26 05 36 00-1178	EA	24" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	313.22	146.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.13*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.66*	
26 05 36 00-1179	EA	30" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	347.02	164.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.35*	
26 05 36 00-1180	EA	36" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	388.02	187.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.15*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.40*	
26 05 36 00-1181		**90 Degree, 24" Radius Vertical Risers** *(26 05 36 00-1124)*		
26 05 36 00-1182	EA	6" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	207.63	85.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.38*	
26 05 36 00-1183	EA	9" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	231.87	98.75
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.59*	
26 05 36 00-1184	EA	12" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	251.79	109.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.04*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.59*	
26 05 36 00-1185	EA	18" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	299.78	136.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.62*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.99*	
26 05 36 00-1186	EA	24" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	340.47	158.09
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.88*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.02*	
26 05 36 00-1187	EA	30" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	380.42	179.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.09*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.02*	
26 05 36 00-1188	EA	36" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	433.17	207.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.66*	
26 05 36 00-1189		**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-1124)*		
26 05 36 00-1190	EA	6" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	249.37	89.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.46*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.47*	
26 05 36 00-1191	EA	9" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	275.19	103.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.86*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.76*	
26 05 36 00-1192	EA	12" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	302.25	116.19
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.54*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.11*	
26 05 36 00-1193	EA	18" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	356.63	146.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.48*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.83*	
26 05 36 00-1194	EA	24" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	403.34	171.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.03*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.17*	
26 05 36 00-1195	EA	30" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	455.06	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.05*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.75*	
26 05 36 00-1196	EA	36" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	518.03	232.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.47*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.90*	
26 05 36 00-1197		**12" Radius Horizontal Tees** *(26 05 36 00-1124)*		
26 05 36 00-1198	EA	6" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	329.62	158.09
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.79*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.48*	
26 05 36 00-1199	EA	9" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	356.67	171.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.36*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.83*	
26 05 36 00-1200	EA	12" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	370.65	179.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.53*	
26 05 36 00-1201	EA	18" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	414.91	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.03*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.75*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1202		EA	24" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	459.83	219.22
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.71*	
			For 6" Overall Height Instead Of 4-5/8", Add	*22.99*	
26 05 36 00-1203		EA	30" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	497.05	232.47
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.33*	
			For 6" Overall Height Instead Of 4-5/8", Add	*24.85*	
26 05 36 00-1204		EA	36" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	569.98	263.17
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.07*	
			For 6" Overall Height Instead Of 4-5/8", Add	*28.50*	

26 05 36 00-1205 24" Radius Horizontal Tees *(26 05 36 00-1124)*

26 05 36 00-1206		EA	6" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	399.00	171.66
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.59*	
			For 6" Overall Height Instead Of 4-5/8", Add	*19.95*	
26 05 36 00-1207		EA	9" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	433.00	188.20
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.62*	
			For 6" Overall Height Instead Of 4-5/8", Add	*21.65*	
26 05 36 00-1208		EA	12" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	451.81	197.51
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.72*	
			For 6" Overall Height Instead Of 4-5/8", Add	*22.59*	
26 05 36 00-1209		EA	18" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	498.90	219.22
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.62*	
			For 6" Overall Height Instead Of 4-5/8", Add	*24.95*	
26 05 36 00-1210		EA	24" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	556.89	246.88
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.12*	
			For 6" Overall Height Instead Of 4-5/8", Add	*27.84*	
26 05 36 00-1211		EA	30" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	598.20	263.17
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.89*	
			For 6" Overall Height Instead Of 4-5/8", Add	*29.91*	
26 05 36 00-1212		EA	36" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	750.91	304.07
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.76*	
			For 6" Overall Height Instead Of 4-5/8", Add	*37.55*	

26 05 36 00-1213 36" Radius Horizontal Tees *(26 05 36 00-1124)*

26 05 36 00-1214		EA	6" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	473.16	188.20
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.64*	
			For 6" Overall Height Instead Of 4-5/8", Add	*23.66*	
26 05 36 00-1215		EA	9" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	510.23	207.79
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.71*	
			For 6" Overall Height Instead Of 4-5/8", Add	*25.51*	
26 05 36 00-1216		EA	12" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	544.48	219.22
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.18*	
			For 6" Overall Height Instead Of 4-5/8", Add	*27.22*	
26 05 36 00-1217		EA	18" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	600.30	246.88
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.46*	
			For 6" Overall Height Instead Of 4-5/8", Add	*30.02*	
26 05 36 00-1218		EA	24" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	678.08	281.86
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.32*	
			For 6" Overall Height Instead Of 4-5/8", Add	*33.90*	
26 05 36 00-1219		EA	30" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	770.44	304.07
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.71*	
			For 6" Overall Height Instead Of 4-5/8", Add	*38.52*	
26 05 36 00-1220		EA	36" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	891.09	358.80
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.21*	
			For 6" Overall Height Instead Of 4-5/8", Add	*44.55*	

26 05 36 00-1221 12" Radius Vertical Tees *(26 05 36 00-1124)*

26 05 36 00-1222		EA	6" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	392.44	146.23
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.06*	
			For 6" Overall Height Instead Of 4-5/8", Add	*19.62*	
26 05 36 00-1223		EA	9" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	406.38	151.99
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.97*	
			For 6" Overall Height Instead Of 4-5/8", Add	*20.32*	
26 05 36 00-1224		EA	12" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	417.53	158.09
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.58*	
			For 6" Overall Height Instead Of 4-5/8", Add	*20.88*	
26 05 36 00-1225		EA	18" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	443.50	171.66
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.04*	
			For 6" Overall Height Instead Of 4-5/8", Add	*22.18*	
26 05 36 00-1226		EA	24" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	469.41	179.39
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.99*	
			For 6" Overall Height Instead Of 4-5/8", Add	*23.47*	
26 05 36 00-1227		EA	30" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	502.81	197.51
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.82*	
			For 6" Overall Height Instead Of 4-5/8", Add	*25.14*	
26 05 36 00-1228		EA	36" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	544.48	219.22
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.18*	
			For 6" Overall Height Instead Of 4-5/8", Add	*27.22*	

26 05 36 00-1229 24" Radius Vertical Tees *(26 05 36 00-1124)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1230	EA	6" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	515.20	158.09
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.35*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.76*	
26 05 36 00-1231	EA	9" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	529.35	164.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.22*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.47*	
26 05 36 00-1232	EA	12" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	544.43	171.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.22*	
26 05 36 00-1233	EA	18" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	579.51	188.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.98*	
26 05 36 00-1234	EA	24" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	601.58	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.70*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.08*	
26 05 36 00-1235	EA	30" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	644.33	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.22*	
26 05 36 00-1236	EA	36" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	715.34	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.77*	

26 05 36 00-1237 36" Radius Vertical Tees *(26 05 36 00-1124)*

26 05 36 00-1238	EA	6" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	765.12	171.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.21*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.26*	
26 05 36 00-1239	EA	9" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	784.23	179.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.47*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.21*	
26 05 36 00-1240	EA	12" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	805.05	188.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.82*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.25*	
26 05 36 00-1241	EA	18" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	844.01	207.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.08*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.20*	
26 05 36 00-1242	EA	24" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	869.28	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.66*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.46*	
26 05 36 00-1243	EA	30" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	933.99	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.83*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.70*	
26 05 36 00-1244	EA	36" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	998.46	281.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.36*	
		For 6" Overall Height Instead Of 4-5/8", Add	*49.92*	

26 05 36 00-1245 12" Radius Horizontal Crosses *(26 05 36 00-1124)*

26 05 36 00-1246	EA	6" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	421.42	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.07*	
26 05 36 00-1247	EA	9" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	448.37	207.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.52*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.42*	
26 05 36 00-1248	EA	12" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	468.51	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.43*	
26 05 36 00-1249	EA	18" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	512.25	232.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.85*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.61*	
26 05 36 00-1250	EA	24" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	567.81	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.85*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.39*	
26 05 36 00-1251	EA	30" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	621.65	281.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.08*	
26 05 36 00-1252	EA	36" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	696.64	304.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.33*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.83*	

26 05 36 00-1253 24" Radius Horizontal Crosses *(26 05 36 00-1124)*

26 05 36 00-1254	EA	6" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	542.31	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.12*	
26 05 36 00-1255	EA	9" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	569.77	232.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.49*	
26 05 36 00-1256	EA	12" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	599.21	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.35*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.96*	
26 05 36 00-1257	EA	18" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	636.18	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.81*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1258	EA	24" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	721.61	304.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.83*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.08*	
26 05 36 00-1259	EA	30" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	778.70	329.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.44*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.94*	
26 05 36 00-1260	EA	36" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	857.44	358.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.87*	
26 05 36 00-1261		**36" Radius Horizontal Crosses** *(26 05 36 00-1124)*		
26 05 36 00-1262	EA	6" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	619.83	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.99*	
26 05 36 00-1263	EA	9" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	655.72	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.64*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.79*	
26 05 36 00-1264	EA	12" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	699.79	281.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.49*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.99*	
26 05 36 00-1265	EA	18" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	751.99	304.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.86*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.60*	
26 05 36 00-1266	EA	24" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	901.94	358.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.10*	
26 05 36 00-1267	EA	30" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	993.72	394.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.51*	
		For 6" Overall Height Instead Of 4-5/8", Add	*49.69*	
26 05 36 00-1268	EA	36" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,106.56	439.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.05*	
		For 6" Overall Height Instead Of 4-5/8", Add	*55.33*	
26 05 36 00-1269		**12" Radius Vertical Crosses** *(26 05 36 00-1124)*		
26 05 36 00-1270	EA	6" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	421.42	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.07*	
26 05 36 00-1271	EA	9" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	448.37	207.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.52*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.42*	
26 05 36 00-1272	EA	12" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	468.51	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.43*	
26 05 36 00-1273	EA	18" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	512.25	232.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.85*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.61*	
26 05 36 00-1274	EA	24" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	567.81	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.85*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.39*	
26 05 36 00-1275	EA	30" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	621.65	281.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.08*	
26 05 36 00-1276	EA	36" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	695.40	303.24
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.77*	
26 05 36 00-1277		**24" Radius Vertical Crosses** *(26 05 36 00-1124)*		
26 05 36 00-1278	EA	6" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	542.31	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.12*	
26 05 36 00-1279	EA	9" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	569.77	232.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.49*	
26 05 36 00-1280	EA	12" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	599.21	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.35*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.96*	
26 05 36 00-1281	EA	18" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	636.18	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.81*	
26 05 36 00-1282	EA	24" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	721.61	304.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.83*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.08*	
26 05 36 00-1283	EA	30" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	778.70	329.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.44*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.94*	
26 05 36 00-1284	EA	36" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	857.44	358.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.87*	
26 05 36 00-1285		**36" Radius Vertical Crosses** *(26 05 36 00-1124)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1286	EA	6" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	713.60	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.79*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.68*	
26 05 36 00-1287	EA	9" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	753.39	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.67*	
26 05 36 00-1288	EA	12" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	803.33	281.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.85*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.17*	
26 05 36 00-1289	EA	18" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	862.37	304.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.90*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.12*	
26 05 36 00-1290	EA	24" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,038.68	358.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.97*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.93*	
26 05 36 00-1291	EA	30" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,145.11	394.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.65*	
		For 6" Overall Height Instead Of 4-5/8", Add	*57.26*	
26 05 36 00-1292	EA	36" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,275.05	439.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-90.90*	
		For 6" Overall Height Instead Of 4-5/8", Add	*63.75*	

26 05 36 00-1293 12" Rung Tray Fittings *(26 05 36 00-0744)*

26 05 36 00-1294 90 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-1293)*

26 05 36 00-1295	EA	6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	177.39	82.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.86*	
		For 6" Overall Height Instead Of 4-5/8", Add	*8.87*	
26 05 36 00-1296	EA	9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	197.56	93.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.92*	
		For 6" Overall Height Instead Of 4-5/8", Add	*9.88*	
26 05 36 00-1297	EA	12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	221.62	103.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.50*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.08*	
26 05 36 00-1298	EA	18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	266.81	127.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.07*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.34*	
26 05 36 00-1299	EA	24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	311.38	146.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.95*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.57*	
26 05 36 00-1300	EA	30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	345.97	164.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.88*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.30*	
26 05 36 00-1301	EA	36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	400.32	188.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.36*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.02*	

26 05 36 00-1302 90 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1293)*

26 05 36 00-1303	EA	6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	213.71	85.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.22*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.69*	
26 05 36 00-1304	EA	9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	238.13	98.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.59*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.91*	
26 05 36 00-1305	EA	12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	260.08	109.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.86*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.00*	
26 05 36 00-1306	EA	18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	310.84	136.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.73*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.54*	
26 05 36 00-1307	EA	24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	355.27	158.09
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.36*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.76*	
26 05 36 00-1308	EA	30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	399.45	179.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.97*	
26 05 36 00-1309	EA	36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	459.39	207.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.62*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.97*	

26 05 36 00-1310 90 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1293)*

26 05 36 00-1311	EA	6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	227.24	89.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.25*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.36*	
26 05 36 00-1312	EA	9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	252.77	103.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.63*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.64*	
26 05 36 00-1313	EA	12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	282.54	116.19
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1314	EA	18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	343.68	146.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.18*	
26 05 36 00-1315	EA	24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	399.17	171.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.96*	
26 05 36 00-1316	EA	30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	453.32	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.87*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.67*	
26 05 36 00-1317	EA	36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	529.02	232.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.45*	

26 05 36 00-1318 45 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-1293)*

26 05 36 00-1319	EA	6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	125.91	59.82
		For 60 Degree Bend, Deduct	*-18.63*	
		For 30 Degree Bend, Deduct	*-34.37*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-7.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.30*	
26 05 36 00-1320	EA	9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	146.79	71.76
		For 60 Degree Bend, Deduct	*-20.95*	
		For 30 Degree Bend, Deduct	*-38.90*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-8.70*	
		For 6" Overall Height Instead Of 4-5/8", Add	*7.34*	
26 05 36 00-1321	EA	12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	165.41	82.30
		For 60 Degree Bend, Deduct	*-23.04*	
		For 30 Degree Bend, Deduct	*-42.97*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*8.27*	
26 05 36 00-1322	EA	18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	206.63	104.01
		For 60 Degree Bend, Deduct	*-28.32*	
		For 30 Degree Bend, Deduct	*-52.98*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.33*	
26 05 36 00-1323	EA	24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	253.69	127.39
		For 60 Degree Bend, Deduct	*-34.89*	
		For 30 Degree Bend, Deduct	*-65.22*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.68*	
26 05 36 00-1324	EA	30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	291.20	146.23
		For 60 Degree Bend, Deduct	*-40.03*	
		For 30 Degree Bend, Deduct	*-74.84*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.93*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.56*	
26 05 36 00-1325	EA	36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	335.59	171.66
		For 60 Degree Bend, Deduct	*-44.93*	
		For 30 Degree Bend, Deduct	*-84.43*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.25*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.78*	

26 05 36 00-1326 45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1293)*

26 05 36 00-1327	EA	6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	138.14	61.72
		For 60 Degree Bend, Deduct	*-21.94*	
		For 30 Degree Bend, Deduct	*-39.99*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-8.67*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.91*	
26 05 36 00-1328	EA	9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	163.37	74.39
		For 60 Degree Bend, Deduct	*-25.39*	
		For 30 Degree Bend, Deduct	*-46.45*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*8.17*	
26 05 36 00-1329	EA	12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	183.53	85.91
		For 60 Degree Bend, Deduct	*-27.64*	
		For 30 Degree Bend, Deduct	*-50.84*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.20*	
		For 6" Overall Height Instead Of 4-5/8", Add	*9.18*	
26 05 36 00-1330	EA	18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	226.27	109.70
		For 60 Degree Bend, Deduct	*-32.61*	
		For 30 Degree Bend, Deduct	*-60.44*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.48*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.31*	
26 05 36 00-1331	EA	24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	277.54	136.28
		For 60 Degree Bend, Deduct	*-39.36*	
		For 30 Degree Bend, Deduct	*-73.17*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.88*	
26 05 36 00-1332	EA	30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	323.98	158.09
		For 60 Degree Bend, Deduct	*-46.33*	
		For 30 Degree Bend, Deduct	*-85.99*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.23*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1333	EA	36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	377.21	188.20
		For 60 Degree Bend, Deduct	*-52.35*	
		For 30 Degree Bend, Deduct	*-97.70*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.04*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.86*	
26 05 36 00-1334		**45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1293)*		
26 05 36 00-1335	EA	6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	153.54	63.69
		For 60 Degree Bend, Deduct	*-26.27*	
		For 30 Degree Bend, Deduct	*-47.31*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.05*	
		For 6" Overall Height Instead Of 4-5/8", Add	*7.68*	
26 05 36 00-1336	EA	9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	177.35	77.35
		For 60 Degree Bend, Deduct	*-28.88*	
		For 30 Degree Bend, Deduct	*-52.43*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*8.87*	
26 05 36 00-1337	EA	12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	199.08	89.78
		For 60 Degree Bend, Deduct	*-31.28*	
		For 30 Degree Bend, Deduct	*-57.13*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*9.95*	
26 05 36 00-1338	EA	18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	248.22	116.19
		For 60 Degree Bend, Deduct	*-37.36*	
		For 30 Degree Bend, Deduct	*-68.72*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.41*	
26 05 36 00-1339	EA	24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	310.37	146.23
		For 60 Degree Bend, Deduct	*-46.36*	
		For 30 Degree Bend, Deduct	*-85.39*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.85*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.52*	
26 05 36 00-1340	EA	30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	356.78	171.66
		For 60 Degree Bend, Deduct	*-51.93*	
		For 30 Degree Bend, Deduct	*-96.08*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.37*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.84*	
26 05 36 00-1341	EA	36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	424.07	207.79
		For 60 Degree Bend, Deduct	*-60.28*	
		For 30 Degree Bend, Deduct	*-112.02*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.09*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.20*	
26 05 36 00-1342		**90 Degree, 12" Radius Vertical Risers** *(26 05 36 00-1293)*		
26 05 36 00-1343	EA	6" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	190.87	82.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.23*	
		For 6" Overall Height Instead Of 4-5/8", Add	*9.54*	
26 05 36 00-1344	EA	9" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	213.33	93.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.50*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.67*	
26 05 36 00-1345	EA	12" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	230.80	103.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.42*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.54*	
26 05 36 00-1346	EA	18" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	271.89	127.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.59*	
26 05 36 00-1347	EA	24" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	306.27	146.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.44*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.31*	
26 05 36 00-1348	EA	30" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	339.75	164.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.26*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.99*	
26 05 36 00-1349	EA	36" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	380.54	187.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.03*	
26 05 36 00-1350		**90 Degree, 24" Radius Vertical Risers** *(26 05 36 00-1293)*		
26 05 36 00-1351	EA	6" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	201.18	85.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.97*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.06*	
26 05 36 00-1352	EA	9" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	225.14	98.75
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.26*	
26 05 36 00-1353	EA	12" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	244.89	109.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.35*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.24*	
26 05 36 00-1354	EA	18" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	292.51	136.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.90*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.63*	
26 05 36 00-1355	EA	24" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	332.77	158.09
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1356	EA	30" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	372.28	179.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.28*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.61*	
26 05 36 00-1357	EA	36" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	424.49	207.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.13*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.22*	

26 05 36 00-1358 90 Degree, 36" Radius Vertical Risers *(26 05 36 00-1293)*

26 05 36 00-1359	EA	6" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	239.38	89.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.46*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.97*	
26 05 36 00-1360	EA	9" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	264.98	103.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.25*	
26 05 36 00-1361	EA	12" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	291.40	116.19
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.45*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.57*	
26 05 36 00-1362	EA	18" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	345.34	146.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.35*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.27*	
26 05 36 00-1363	EA	24" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	391.62	171.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.86*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.58*	
26 05 36 00-1364	EA	30" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	442.47	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.79*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.12*	
26 05 36 00-1365	EA	36" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	504.90	232.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.15*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.25*	

26 05 36 00-1366 12" Radius Horizontal Tees *(26 05 36 00-1293)*

26 05 36 00-1367	EA	6" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	323.00	158.09
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.13*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.15*	
26 05 36 00-1368	EA	9" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	349.62	171.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.66*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.48*	
26 05 36 00-1369	EA	12" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	363.49	179.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.17*	
26 05 36 00-1370	EA	18" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	406.33	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.32*	
26 05 36 00-1371	EA	24" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	450.39	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.77*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.52*	
26 05 36 00-1372	EA	30" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	486.09	232.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.30*	
26 05 36 00-1373	EA	36" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	556.85	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.84*	

26 05 36 00-1374 24" Radius Horizontal Tees *(26 05 36 00-1293)*

26 05 36 00-1375	EA	6" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	387.71	171.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.46*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.39*	
26 05 36 00-1376	EA	9" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	421.06	188.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.05*	
26 05 36 00-1377	EA	12" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	439.54	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.50*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.98*	
26 05 36 00-1378	EA	18" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	485.55	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.28*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.28*	
26 05 36 00-1379	EA	24" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	542.34	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.66*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.12*	
26 05 36 00-1380	EA	30" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	582.24	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.11*	
26 05 36 00-1381	EA	36" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	726.49	304.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.32*	

26 05 36 00-1382 36" Radius Horizontal Tees *(26 05 36 00-1293)*

26 05 36 00-1383	EA	6" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	457.20	188.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.04*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1384	EA	9" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	493.84	207.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.07*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.69*	
26 05 36 00-1385	EA	12" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	526.57	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.33*	
26 05 36 00-1386	EA	18" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	581.41	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.07*	
26 05 36 00-1387	EA	24" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	657.25	281.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.86*	
26 05 36 00-1388	EA	30" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	744.07	304.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.07*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.20*	
26 05 36 00-1389	EA	36" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	861.78	358.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.28*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.09*	
26 05 36 00-1390		**12" Radius Vertical Tees** *(26 05 36 00-1293)*		
26 05 36 00-1391	EA	6" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	377.58	146.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.88*	
26 05 36 00-1392	EA	9" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	391.08	151.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.44*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.55*	
26 05 36 00-1393	EA	12" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	402.12	158.09
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.04*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.11*	
26 05 36 00-1394	EA	18" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	427.76	171.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.47*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.39*	
26 05 36 00-1395	EA	24" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	452.37	179.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.62*	
26 05 36 00-1396	EA	30" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	485.45	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.09*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.27*	
26 05 36 00-1397	EA	36" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	526.57	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.33*	
26 05 36 00-1398		**24" Radius Vertical Tees** *(26 05 36 00-1293)*		
26 05 36 00-1399	EA	6" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	490.03	158.09
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.83*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.50*	
26 05 36 00-1400	EA	9" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	503.85	164.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.67*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.19*	
26 05 36 00-1401	EA	12" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	518.60	171.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.93*	
26 05 36 00-1402	EA	18" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	552.92	188.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.65*	
26 05 36 00-1403	EA	24" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	574.33	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.97*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.72*	
26 05 36 00-1404	EA	30" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	616.44	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.37*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.82*	
26 05 36 00-1405	EA	36" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	684.95	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.92*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.25*	
26 05 36 00-1406		**36" Radius Vertical Tees** *(26 05 36 00-1293)*		
26 05 36 00-1407	EA	6" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	717.22	171.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.42*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.86*	
26 05 36 00-1408	EA	9" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	735.71	179.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.62*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.79*	
26 05 36 00-1409	EA	12" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	755.90	188.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.91*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.80*	
26 05 36 00-1410	EA	18" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	794.24	207.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.71*	
26 05 36 00-1411	EA	24" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	818.90	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.62*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1412	EA	30" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	881.74	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.60*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.09*	
26 05 36 00-1413	EA	36" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	945.58	281.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.07*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.28*	
26 05 36 00-1414		**12" Radius Horizontal Crosses** *(26 05 36 00-1293)*		
26 05 36 00-1415	EA	6" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	412.19	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.76*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.61*	
26 05 36 00-1416	EA	9" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	438.16	207.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.50*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.91*	
26 05 36 00-1417	EA	12" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	458.20	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.91*	
26 05 36 00-1418	EA	18" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	499.77	232.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.99*	
26 05 36 00-1419	EA	24" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	554.89	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.56*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.74*	
26 05 36 00-1420	EA	30" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	606.46	281.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.32*	
26 05 36 00-1421	EA	36" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	677.65	304.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.88*	
26 05 36 00-1422		**24" Radius Horizontal Crosses** *(26 05 36 00-1293)*		
26 05 36 00-1423	EA	6" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	524.62	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.19*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.23*	
26 05 36 00-1424	EA	9" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	551.53	232.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.58*	
26 05 36 00-1425	EA	12" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	580.44	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.47*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.02*	
26 05 36 00-1426	EA	18" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	616.43	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.71*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.82*	
26 05 36 00-1427	EA	24" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	700.12	304.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.01*	
26 05 36 00-1428	EA	30" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	755.69	329.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.78*	
26 05 36 00-1429	EA	36" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	831.50	358.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.25*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.58*	
26 05 36 00-1430		**36" Radius Horizontal Crosses** *(26 05 36 00-1293)*		
26 05 36 00-1431	EA	6" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	599.00	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.33*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.95*	
26 05 36 00-1432	EA	9" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	634.01	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.47*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.70*	
26 05 36 00-1433	EA	12" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	676.78	281.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.19*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.84*	
26 05 36 00-1434	EA	18" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	727.47	304.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.37*	
26 05 36 00-1435	EA	24" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	871.55	358.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.25*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.58*	
26 05 36 00-1436	EA	30" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	960.07	394.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.00*	
26 05 36 00-1437	EA	36" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,069.12	439.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.46*	
26 05 36 00-1438		**12" Radius Vertical Crosses** *(26 05 36 00-1293)*		
26 05 36 00-1439	EA	6" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	412.19	197.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.76*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1440	EA	9" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	438.27	207.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.50*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.91*	
26 05 36 00-1441	EA	12" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	458.14	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.91*	
26 05 36 00-1442	EA	18" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	499.91	232.55
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.00*	
26 05 36 00-1443	EA	24" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	554.89	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.56*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.74*	
26 05 36 00-1444	EA	30" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	606.67	281.94
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.33*	
26 05 36 00-1445	EA	36" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	677.03	303.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.85*	
26 05 36 00-1446		**24" Radius Vertical Crosses** *(26 05 36 00-1293)*		
26 05 36 00-1447	EA	6" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	524.62	219.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.19*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.23*	
26 05 36 00-1448	EA	9" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	551.53	232.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.58*	
26 05 36 00-1449	EA	12" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	580.44	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.47*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.02*	
26 05 36 00-1450	EA	18" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	616.43	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.71*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.82*	
26 05 36 00-1451	EA	24" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	700.12	304.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.01*	
26 05 36 00-1452	EA	30" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	755.69	329.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.78*	
26 05 36 00-1453	EA	36" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	831.50	358.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.25*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.58*	
26 05 36 00-1454		**36" Radius Vertical Crosses** *(26 05 36 00-1293)*		
26 05 36 00-1455	EA	6" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	683.39	246.88
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.77*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.17*	
26 05 36 00-1456	EA	9" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	721.92	263.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.26*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.10*	
26 05 36 00-1457	EA	12" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	769.96	281.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.51*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.50*	
26 05 36 00-1458	EA	18" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	826.80	304.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.34*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.34*	
26 05 36 00-1459	EA	24" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	994.62	358.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.56*	
		For 6" Overall Height Instead Of 4-5/8", Add	*49.73*	
26 05 36 00-1460	EA	30" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,096.33	394.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.77*	
		For 6" Overall Height Instead Of 4-5/8", Add	*54.82*	
26 05 36 00-1461	EA	36" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,220.76	439.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.47*	
		For 6" Overall Height Instead Of 4-5/8", Add	*61.04*	
26 05 36 00-1462		**Dropout Or End Plates And Reducers** *(26 05 36 00-0744)*		
26 05 36 00-1463		**Straight Reducers** *(26 05 36 00-1462)*		
26 05 36 00-1464	EA	9"-6" Reducer, Aluminum Cable Tray	150.09	60.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.95*	
		For 6" Overall Height Instead Of 4-5/8", Add	*7.50*	
26 05 36 00-1465	EA	12"-9" Reducer, Aluminum Cable Tray	159.53	65.75
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.47*	
		For 6" Overall Height Instead Of 4-5/8", Add	*7.98*	
26 05 36 00-1466	EA	18"-12" Reducer, Aluminum Cable Tray	177.54	75.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*8.88*	
26 05 36 00-1467	EA	24"-18" Reducer, Aluminum Cable Tray	198.41	87.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.53*	
		For 6" Overall Height Instead Of 4-5/8", Add	*9.92*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1468	EA	30"-24" Reducer, Aluminum Cable Tray	217.76	98.75
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.89*	
26 05 36 00-1469	EA	36"-30" Reducer, Aluminum Cable Tray	244.48	112.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.05*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.22*	

26 05 36 00-1470 Reducers *(26 05 36 00-1462)*

26 05 36 00-1471	EA	18"-6" Reducer, Aluminum Cable Tray	177.62	75.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*8.88*	
26 05 36 00-1472	EA	24"-12" Reducer, Aluminum Cable Tray	198.62	87.89
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.54*	
		For 6" Overall Height Instead Of 4-5/8", Add	*9.93*	
26 05 36 00-1473	EA	30"-12" Reducer, Aluminum Cable Tray	217.63	98.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.54*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.88*	
26 05 36 00-1474	EA	30"-18" Reducer, Aluminum Cable Tray	218.58	98.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.64*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.93*	
26 05 36 00-1475	EA	36"-12" Reducer, Aluminum Cable Tray	243.40	112.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.94*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.17*	
26 05 36 00-1476	EA	36"-18" Reducer, Aluminum Cable Tray	249.43	115.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.47*	
26 05 36 00-1477	EA	36"-24" Reducer, Aluminum Cable Tray	257.77	119.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.82*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.89*	

26 05 36 00-1478 Dropout Or End Plate *(26 05 36 00-1462)*

26 05 36 00-1479	EA	6" Dropout Or End Plate, Aluminum Cable Tray	47.60	24.69
26 05 36 00-1480	EA	9" Dropout Or End Plate, Aluminum Cable Tray	53.89	28.22
26 05 36 00-1481	EA	12" Dropout Or End Plate, Aluminum Cable Tray	58.10	30.37
26 05 36 00-1482	EA	18" Dropout Or End Plate, Aluminum Cable Tray	69.86	35.88
26 05 36 00-1483	EA	24" Dropout Or End Plate, Aluminum Cable Tray	77.62	39.50
26 05 36 00-1484	EA	30" Dropout Or End Plate, Aluminum Cable Tray	87.16	43.86
26 05 36 00-1485	EA	36" Dropout Or End Plate, Aluminum Cable Tray	97.87	49.37

26 05 36 00-1486 Solid Bottom Cable Tray *(26 05 36 00-0001)*

Note: 3-5/8" Height.

26 05 36 00-1487 Solid Bottom Galvanized Steel Straight Tray Sections *(26 05 36 00-1486)*

26 05 36 00-1488	LF	6" Solid Bottom Steel Cable Tray, Straight Section	18.72	6.41
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*1.73*	
26 05 36 00-1489	LF	12" Solid Bottom Steel Cable Tray, Straight Section	23.27	7.90
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*2.18*	
26 05 36 00-1490	LF	18" Solid Bottom Steel Cable Tray, Straight Section	31.36	11.36
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*2.81*	
26 05 36 00-1491	LF	24" Solid Bottom Steel Cable Tray, Straight Section	36.24	13.00
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*3.27*	
26 05 36 00-1492	LF	30" Solid Bottom Steel Cable Tray, Straight Section	43.48	15.72
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*3.90*	
26 05 36 00-1493	LF	36" Solid Bottom Steel Cable Tray, Straight Section	54.73	18.02
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*5.21*	

26 05 36 00-1494 Solid Bottom Galvanized Steel Cable Tray Fittings *(26 05 36 00-1486)*

26 05 36 00-1495 90 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-1494)*

26 05 36 00-1496	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	197.54	82.38
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*15.91*	
26 05 36 00-1497	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	260.70	115.87
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*19.79*	
26 05 36 00-1498	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	320.93	146.23
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*23.76*	
26 05 36 00-1499	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	393.52	179.64
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*29.08*	
26 05 36 00-1500	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	459.06	208.20
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*34.17*	
26 05 36 00-1501	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	515.25	232.47
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*38.54*	

26 05 36 00-1502 90 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1494)*

26 05 36 00-1503	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	228.58	85.75
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*19.99*	
26 05 36 00-1504	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	306.01	123.52
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*25.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1505	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	379.17	158.09
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*30.53*	
26 05 36 00-1506	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	464.21	197.51
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*36.71*	
26 05 36 00-1507	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	544.66	232.06
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*43.03*	
26 05 36 00-1508	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	615.90	263.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*48.52*	

26 05 36 00-1509 90 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1494)*

26 05 36 00-1510	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	274.70	89.61
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*26.28*	
26 05 36 00-1511	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	360.87	131.92
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*32.15*	
26 05 36 00-1512	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	458.96	171.91
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*40.19*	
26 05 36 00-1513	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	552.30	219.22
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*46.30*	
26 05 36 00-1514	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	662.92	263.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*55.57*	
26 05 36 00-1515	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	757.48	303.24
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*63.07*	

26 05 36 00-1516 45 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-1494)*

26 05 36 00-1517	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	182.55	82.38
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*13.65*	
26 05 36 00-1518	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	243.82	115.87
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*17.26*	
26 05 36 00-1519	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	301.34	146.07
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*20.85*	
26 05 36 00-1520	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	369.55	179.39
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*25.53*	
26 05 36 00-1521	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	431.03	208.20
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*29.96*	
26 05 36 00-1522	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	482.57	232.06
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*33.71*	

26 05 36 00-1523 45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1494)*

26 05 36 00-1524	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	207.26	85.83
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*16.78*	
26 05 36 00-1525	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	280.79	123.44
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*21.55*	
26 05 36 00-1526	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	350.56	158.25
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*26.21*	
26 05 36 00-1527	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	430.45	197.51
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*31.65*	
26 05 36 00-1528	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	505.90	232.47
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*37.14*	
26 05 36 00-1529	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	571.59	263.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*41.87*	

26 05 36 00-1530 45 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1494)*

26 05 36 00-1531	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	243.57	89.70
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*21.58*	
26 05 36 00-1532	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	305.15	119.57
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*25.84*	
26 05 36 00-1533	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	415.85	171.91
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*33.72*	
26 05 36 00-1534	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	506.24	219.64
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*39.33*	
26 05 36 00-1535	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	606.86	263.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*47.16*	
26 05 36 00-1536	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	695.72	304.07
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*53.69*	

26 05 36 00-1537 90 Degree, 12" Radius Vertical Risers *(26 05 36 00-1494)*

26 05 36 00-1538	EA	6" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	210.43	82.13
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*17.88*	
26 05 36 00-1539	EA	12" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	270.35	115.87
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*21.23*	
26 05 36 00-1540	EA	18" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	322.13	146.23
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*23.94*	
26 05 36 00-1541	EA	24" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	391.11	179.64
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*28.72*	
26 05 36 00-1542	EA	30" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	444.59	208.20
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*32.00*	
26 05 36 00-1543	EA	36" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	487.99	232.06
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*34.53*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1544		**90 Degree, 24" Radius Vertical Risers** *(26 05 36 00-1494)*			
26 05 36 00-1545	EA	6" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray		246.66	85.75
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*22.70*	
26 05 36 00-1546	EA	12" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray		319.27	123.52
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*27.30*	
26 05 36 00-1547	EA	18" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray		386.40	158.09
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*31.62*	
26 05 36 00-1548	EA	24" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray		463.01	197.51
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*36.53*	
26 05 36 00-1549	EA	30" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray		527.78	232.06
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*40.50*	
26 05 36 00-1550	EA	36" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray		592.99	263.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*45.08*	
26 05 36 00-1551		**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-1494)*			
26 05 36 00-1552	EA	6" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray		290.37	89.61
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*28.63*	
26 05 36 00-1553	EA	12" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray		357.69	119.82
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*33.68*	
26 05 36 00-1554	EA	18" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray		458.96	171.91
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*40.19*	
26 05 36 00-1555	EA	24" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray		554.71	219.22
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*46.67*	
26 05 36 00-1556	EA	30" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray		644.84	263.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*52.86*	
26 05 36 00-1557	EA	36" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray		729.74	303.24
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*58.91*	
26 05 36 00-1558		**12" Radius Horizontal Tees** *(26 05 36 00-1494)*			
26 05 36 00-1559	EA	6" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray		347.82	158.09
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*25.83*	
26 05 36 00-1560	EA	12" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray		420.28	197.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*30.18*	
26 05 36 00-1561	EA	18" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray		495.96	232.47
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*35.65*	
26 05 36 00-1562	EA	24" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray		592.56	282.43
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*41.81*	
26 05 36 00-1563	EA	30" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray		645.38	304.07
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*46.14*	
26 05 36 00-1564	EA	36" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray		757.22	358.80
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*53.78*	
26 05 36 00-1565		**24" Radius Horizontal Tees** *(26 05 36 00-1494)*			
26 05 36 00-1566	EA	6" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray		417.55	171.66
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*34.02*	
26 05 36 00-1567	EA	12" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray		518.54	219.22
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*41.24*	
26 05 36 00-1568	EA	18" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray		608.67	263.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*47.43*	
26 05 36 00-1569	EA	24" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray		778.91	329.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*61.97*	
26 05 36 00-1570	EA	30" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray		848.85	358.80
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*67.52*	
26 05 36 00-1571	EA	36" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray		1,003.43	439.28
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*77.30*	
26 05 36 00-1572		**36" Radius Horizontal Tees** *(26 05 36 00-1494)*			
26 05 36 00-1573	EA	6" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray		519.80	188.20
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*46.61*	
26 05 36 00-1574	EA	12" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray		641.75	246.88
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*55.12*	
26 05 36 00-1575	EA	18" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray		757.51	304.07
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*62.95*	
26 05 36 00-1576	EA	24" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray		919.99	358.80
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*78.19*	
26 05 36 00-1577	EA	30" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray		1,009.06	395.66
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*85.42*	
26 05 36 00-1578	EA	36" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray		1,184.64	493.75
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*95.40*	
26 05 36 00-1579		**12" Radius Vertical Tees** *(26 05 36 00-1494)*			
26 05 36 00-1580	EA	6" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray		402.08	158.09
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*33.97*	
26 05 36 00-1581	EA	12" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray		473.86	197.51
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*38.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1582	EA	18" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	512.51	219.22
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*40.34*	
26 05 36 00-1583	EA	24" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	548.28	232.06
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*43.57*	
26 05 36 00-1584	EA	30" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	611.08	263.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*47.80*	
26 05 36 00-1585	EA	36" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	685.17	304.07
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*52.10*	
26 05 36 00-1586		**24" Radius Vertical Tees** *(26 05 36 00-1494)*		
26 05 36 00-1587	EA	6" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	491.10	171.66
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*45.05*	
26 05 36 00-1588	EA	12" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	580.03	219.22
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*50.46*	
26 05 36 00-1589	EA	18" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	636.93	246.88
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*54.39*	
26 05 36 00-1590	EA	24" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	674.98	263.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*57.38*	
26 05 36 00-1591	EA	30" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	765.95	304.07
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*64.22*	
26 05 36 00-1592	EA	36" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	869.35	358.80
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*70.60*	
26 05 36 00-1593		**36" Radius Vertical Tees** *(26 05 36 00-1494)*		
26 05 36 00-1594	EA	6" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	632.66	187.87
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*63.59*	
26 05 36 00-1595	EA	12" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	737.01	246.88
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*69.41*	
26 05 36 00-1596	EA	18" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	819.37	281.86
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*75.93*	
26 05 36 00-1597	EA	24" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	868.44	304.07
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*79.59*	
26 05 36 00-1598	EA	30" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,020.06	358.80
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*93.20*	
26 05 36 00-1599	EA	36" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,103.40	394.35
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*99.78*	
26 05 36 00-1600		**12" Radius Horizontal Crosses** *(26 05 36 00-1494)*		
26 05 36 00-1601	EA	6" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	430.45	197.51
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*31.65*	
26 05 36 00-1602	EA	12" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	497.16	232.47
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*35.83*	
26 05 36 00-1603	EA	18" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	598.72	281.86
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*42.84*	
26 05 36 00-1604	EA	24" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	693.31	329.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*49.13*	
26 05 36 00-1605	EA	30" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	818.85	394.35
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*57.10*	
26 05 36 00-1606	EA	36" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	909.38	439.28
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*63.19*	
26 05 36 00-1607		**24" Radius Horizontal Crosses** *(26 05 36 00-1494)*		
26 05 36 00-1608	EA	6" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	550.55	219.64
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*45.98*	
26 05 36 00-1609	EA	12" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	644.84	263.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*52.86*	
26 05 36 00-1610	EA	18" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	778.91	329.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*61.97*	
26 05 36 00-1611	EA	24" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	954.80	395.66
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*77.28*	
26 05 36 00-1612	EA	30" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	1,051.66	439.28
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*84.54*	
26 05 36 00-1613	EA	36" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	1,160.52	493.75
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*91.79*	
26 05 36 00-1614		**36" Radius Horizontal Crosses** *(26 05 36 00-1494)*		
26 05 36 00-1615	EA	6" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	712.89	246.88
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*65.79*	
26 05 36 00-1616	EA	12" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	838.29	304.07
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*75.07*	
26 05 36 00-1617	EA	18" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	1,021.12	395.66
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*87.23*	
26 05 36 00-1618	EA	24" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	1,160.17	439.28
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*100.81*	
26 05 36 00-1619	EA	30" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	1,287.12	493.75
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*110.78*	
26 05 36 00-1620	EA	36" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	1,433.76	563.62
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*121.12*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1621		Straight Reducers *(26 05 36 00-1494)*			
26 05 36 00-1622	EA	12"-6" Reducer, Solid Bottom, Steel Cable Tray		168.81	65.84
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*14.35*	
26 05 36 00-1623	EA	18"-12" Reducer, Solid Bottom, Steel Cable Tray		184.30	74.39
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*15.24*	
26 05 36 00-1624	EA	24"-18" Reducer, Solid Bottom, Steel Cable Tray		205.57	85.75
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*16.55*	
26 05 36 00-1625	EA	30"-24" Reducer, Solid Bottom, Steel Cable Tray		232.10	98.75
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*18.36*	
26 05 36 00-1626	EA	36"-30" Reducer, Solid Bottom, Steel Cable Tray		252.48	109.53
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*19.62*	
26 05 36 00-1627		Reducers *(26 05 36 00-1494)*			
26 05 36 00-1628	EA	18"-6" Reducer, Solid Bottom, Steel Cable Tray		184.37	74.48
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*15.25*	
26 05 36 00-1629	EA	24"-12" Reducer, Solid Bottom, Steel Cable Tray		204.65	85.91
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*16.38*	
26 05 36 00-1630	EA	30"-12" Reducer, Solid Bottom, Steel Cable Tray		229.56	98.67
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*17.99*	
26 05 36 00-1631	EA	30"-18" Reducer, Solid Bottom, Steel Cable Tray		230.63	98.58
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*18.16*	
26 05 36 00-1632	EA	36"-12" Reducer, Solid Bottom, Steel Cable Tray		251.28	109.53
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*19.44*	
26 05 36 00-1633	EA	36"-18" Reducer, Solid Bottom, Steel Cable Tray		252.48	109.53
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*19.62*	
26 05 36 00-1634	EA	36"-24" Reducer, Solid Bottom, Steel Cable Tray		254.01	109.70
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*19.81*	
26 05 36 00-1635		Dropout Or End Plate *(26 05 36 00-1494)*			
26 05 36 00-1636	EA	6" Dropout Or End Plate, Solid Bottom, Steel Cable Tray		53.44	24.69
26 05 36 00-1637	EA	12" Dropout Or End Plate, Solid Bottom, Steel Cable Tray		65.51	30.12
26 05 36 00-1638	EA	18" Dropout Or End Plate, Solid Bottom, Steel Cable Tray		75.98	35.71
26 05 36 00-1639	EA	24" Dropout Or End Plate, Solid Bottom, Steel Cable Tray		85.19	39.50
26 05 36 00-1640	EA	30" Dropout Or End Plate, Solid Bottom, Steel Cable Tray		94.78	43.86
26 05 36 00-1641	EA	36" Dropout Or End Plate, Solid Bottom, Steel Cable Tray		105.51	49.37
26 05 36 00-1642		Solid Bottom Aluminum Straight Cable Tray Sections *(26 05 36 00-1486)*			
26 05 36 00-1643	LF	6" Solid Bottom Aluminum Cable Tray, Straight Section		17.29	5.18
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*1.73*	
26 05 36 00-1644	LF	12" Solid Bottom Aluminum Cable Tray, Straight Section		21.44	6.09
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*2.21*	
26 05 36 00-1645	LF	18" Solid Bottom Aluminum Cable Tray, Straight Section		27.46	7.90
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*2.80*	
26 05 36 00-1646	LF	24" Solid Bottom Aluminum Cable Tray, Straight Section		32.43	8.72
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*3.42*	
26 05 36 00-1647	LF	30" Solid Bottom Aluminum Cable Tray, Straight Section		39.94	11.28
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*4.11*	
26 05 36 00-1648	LF	36" Solid Bottom Steel Aluminum Tray, Straight Section		47.21	12.35
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*5.02*	
26 05 36 00-1649		Solid Bottom Aluminum Cable Tray Fittings *(26 05 36 00-1486)*			
26 05 36 00-1650		90 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-1649)*			
26 05 36 00-1651	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray		206.71	82.38
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*17.28*	
26 05 36 00-1652	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray		251.02	103.68
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*20.37*	
26 05 36 00-1653	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray		289.04	116.11
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*24.00*	
26 05 36 00-1654	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray		336.93	136.36
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*27.81*	
26 05 36 00-1655	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray		397.24	158.25
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*33.21*	
26 05 36 00-1656	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray		449.24	179.64
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*37.44*	
26 05 36 00-1657		90 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1649)*			
26 05 36 00-1658	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray		241.73	85.75
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*21.96*	
26 05 36 00-1659	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray		300.24	109.86
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*26.73*	
26 05 36 00-1660	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray		339.22	123.44
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*30.31*	
26 05 36 00-1661	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray		408.72	146.23
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*36.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1662	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	474.57	171.42
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*42.61*	
26 05 36 00-1663	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	546.23	197.51
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*49.02*	

26 05 36 00-1664 90 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1649)*

26 05 36 00-1665	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	295.81	89.61
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*29.44*	
26 05 36 00-1666	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	369.73	116.36
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*36.07*	
26 05 36 00-1667	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	428.17	131.92
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*42.25*	
26 05 36 00-1668	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	486.65	157.84
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*46.69*	
26 05 36 00-1669	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	566.49	188.20
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*53.61*	
26 05 36 00-1670	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	661.05	218.89
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*62.68*	

26 05 36 00-1671 45 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-1649)*

26 05 36 00-1672	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	191.52	82.38
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*14.99*	
26 05 36 00-1673	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	233.83	103.68
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*17.79*	
26 05 36 00-1674	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	267.85	116.03
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*20.84*	
26 05 36 00-1675	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	312.32	136.11
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*24.17*	
26 05 36 00-1676	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	367.87	158.25
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*28.81*	
26 05 36 00-1677	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	415.41	179.15
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*32.45*	

26 05 36 00-1678 45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1649)*

26 05 36 00-1679	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	220.09	85.83
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*18.71*	
26 05 36 00-1680	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	274.29	109.70
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*22.86*	
26 05 36 00-1681	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	310.26	123.69
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*25.93*	
26 05 36 00-1682	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	372.43	146.23
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*31.49*	
26 05 36 00-1683	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	433.83	171.91
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*36.42*	
26 05 36 00-1684	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	498.47	197.51
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*41.85*	

26 05 36 00-1685 45 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1649)*

26 05 36 00-1686	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	263.80	89.70
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*24.62*	
26 05 36 00-1687	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	330.68	116.11
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*30.25*	
26 05 36 00-1688	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	382.33	131.92
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*35.37*	
26 05 36 00-1689	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	438.13	158.25
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*39.34*	
26 05 36 00-1690	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	510.86	188.20
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*45.27*	
26 05 36 00-1691	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	597.17	219.64
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*52.97*	

26 05 36 00-1692 90 Degree, 12" Radius Vertical Risers *(26 05 36 00-1649)*

26 05 36 00-1693	EA	6" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	219.36	82.13
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*19.22*	
26 05 36 00-1694	EA	12" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	258.62	103.68
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*21.51*	
26 05 36 00-1695	EA	18" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	290.13	116.11
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*24.17*	
26 05 36 00-1696	EA	24" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	329.34	136.36
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*26.67*	
26 05 36 00-1697	EA	30" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	372.28	158.25
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*29.47*	
26 05 36 00-1698	EA	36" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	410.37	179.15
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*31.70*	

26 05 36 00-1699 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-1649)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1700	EA	6" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	260.18	85.75
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*24.73*	
26 05 36 00-1701	EA	12" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	310.01	109.86
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*28.20*	
26 05 36 00-1702	EA	18" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	342.48	123.44
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*30.80*	
26 05 36 00-1703	EA	24" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	392.44	146.23
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*34.49*	
26 05 36 00-1704	EA	30" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	443.10	171.42
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*37.89*	
26 05 36 00-1705	EA	36" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	502.81	197.51
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*42.50*	

26 05 36 00-1706 90 Degree, 36" Radius Vertical Risers *(26 05 36 00-1649)*

26 05 36 00-1707	EA	6" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	303.41	89.61
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*30.58*	
26 05 36 00-1708	EA	12" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	367.55	116.36
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*35.74*	
26 05 36 00-1709	EA	18" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	408.64	131.92
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*39.32*	
26 05 36 00-1710	EA	24" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	459.52	157.84
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*42.62*	
26 05 36 00-1711	EA	30" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	530.68	188.20
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*48.24*	
26 05 36 00-1712	EA	36" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	590.51	218.89
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*52.10*	

26 05 36 00-1713 12" Radius Horizontal Tees *(26 05 36 00-1649)*

26 05 36 00-1714	EA	6" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	370.86	158.09
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*29.29*	
26 05 36 00-1715	EA	12" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	428.82	179.15
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*34.46*	
26 05 36 00-1716	EA	18" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	475.68	197.51
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*38.44*	
26 05 36 00-1717	EA	24" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	529.95	219.64
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*42.89*	
26 05 36 00-1718	EA	30" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	627.50	263.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*50.26*	
26 05 36 00-1719	EA	36" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	765.68	329.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*59.99*	

26 05 36 00-1720 24" Radius Horizontal Tees *(26 05 36 00-1649)*

26 05 36 00-1721	EA	6" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	463.03	171.66
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*40.84*	
26 05 36 00-1722	EA	12" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	528.86	197.51
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*46.41*	
26 05 36 00-1723	EA	18" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	591.15	219.22
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*52.13*	
26 05 36 00-1724	EA	24" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	715.41	263.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*63.45*	
26 05 36 00-1725	EA	30" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	863.35	329.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*74.64*	
26 05 36 00-1726	EA	36" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	952.52	359.86
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*82.90*	

26 05 36 00-1727 36" Radius Horizontal Tees *(26 05 36 00-1649)*

26 05 36 00-1728	EA	6" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	601.22	188.20
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*58.82*	
26 05 36 00-1729	EA	12" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	680.14	219.22
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*65.48*	
26 05 36 00-1730	EA	18" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	775.03	246.88
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*75.11*	
26 05 36 00-1731	EA	24" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	928.74	303.24
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*88.76*	
26 05 36 00-1732	EA	30" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,126.07	395.66
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*102.97*	
26 05 36 00-1733	EA	36" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,253.07	439.28
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*114.75*	

26 05 36 00-1734 12" Radius Vertical Tees *(26 05 36 00-1649)*

26 05 36 00-1735	EA	6" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	416.44	158.09
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*36.12*	
26 05 36 00-1736	EA	12" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	455.30	179.39
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*38.39*	
26 05 36 00-1737	EA	18" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	475.93	187.87
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*40.08*	
26 05 36 00-1738	EA	24" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	502.28	197.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*42.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1739	EA	30" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	554.25	219.22
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*46.60*	
26 05 36 00-1740	EA	36" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	638.35	263.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*51.89*	

26 05 36 00-1741 24" Radius Vertical Tees *(26 05 36 00-1649)*

26 05 36 00-1742	EA	6" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	511.87	171.66
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*48.17*	
26 05 36 00-1743	EA	12" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	567.93	197.51
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*52.27*	
26 05 36 00-1744	EA	18" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	601.39	207.79
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*55.57*	
26 05 36 00-1745	EA	24" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	642.16	219.22
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*59.78*	
26 05 36 00-1746	EA	30" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	715.34	246.88
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*66.16*	
26 05 36 00-1747	EA	36" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	825.64	303.24
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*73.30*	

26 05 36 00-1748 36" Radius Vertical Tees *(26 05 36 00-1649)*

26 05 36 00-1749	EA	6" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	665.86	187.87
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*68.57*	
26 05 36 00-1750	EA	12" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	729.93	216.59
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*73.40*	
26 05 36 00-1751	EA	18" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	777.41	232.06
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*77.94*	
26 05 36 00-1752	EA	24" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	813.01	246.88
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*80.81*	
26 05 36 00-1753	EA	30" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	903.82	281.86
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*88.60*	
26 05 36 00-1754	EA	36" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	645.81	358.80
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*37.07*	

26 05 36 00-1755 12" Radius Horizontal Crosses *(26 05 36 00-1649)*

26 05 36 00-1756	EA	6" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	435.77	179.39
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*35.46*	
26 05 36 00-1757	EA	12" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	483.28	197.51
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*39.58*	
26 05 36 00-1758	EA	18" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	562.53	232.06
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*45.71*	
26 05 36 00-1759	EA	24" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	669.40	281.86
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*53.44*	
26 05 36 00-1760	EA	30" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	731.22	303.24
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*59.14*	
26 05 36 00-1761	EA	36" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	849.41	359.86
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*67.43*	

26 05 36 00-1762 24" Radius Horizontal Crosses *(26 05 36 00-1649)*

26 05 36 00-1763	EA	6" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	568.45	197.83
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*52.30*	
26 05 36 00-1764	EA	12" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	642.16	219.22
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*59.78*	
26 05 36 00-1765	EA	18" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	739.28	263.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*67.03*	
26 05 36 00-1766	EA	24" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	913.65	330.07
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*82.04*	
26 05 36 00-1767	EA	30" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,001.35	359.86
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*90.22*	
26 05 36 00-1768	EA	36" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,149.97	439.28
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*99.28*	

26 05 36 00-1769 36" Radius Horizontal Crosses *(26 05 36 00-1649)*

26 05 36 00-1770	EA	6" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	772.39	219.22
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*79.32*	
26 05 36 00-1771	EA	12" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	851.00	246.88
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*86.50*	
26 05 36 00-1772	EA	18" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	995.10	304.07
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*98.59*	
26 05 36 00-1773	EA	24" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,191.19	395.66
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*112.74*	
26 05 36 00-1774	EA	30" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,307.34	439.28
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*122.89*	
26 05 36 00-1775	EA	36" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,495.79	493.75
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*142.08*	

26 05 36 00-1776 Straight Reducers *(26 05 36 00-1649)*

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1777	EA	12"-6" Reducer, Solid Bottom, Aluminum Cable Tray		161.40	56.46
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*14.80*	
26 05 36 00-1778	EA	18"-12" Reducer, Solid Bottom, Aluminum Cable Tray		179.01	65.75
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*15.90*	
26 05 36 00-1779	EA	24"-18" Reducer, Solid Bottom, Aluminum Cable Tray		197.81	74.39
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*17.27*	
26 05 36 00-1780	EA	30"-24" Reducer, Solid Bottom, Aluminum Cable Tray		223.37	85.83
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*19.20*	
26 05 36 00-1781	EA	36"-30" Reducer, Solid Bottom, Aluminum Cable Tray		248.97	98.58
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*20.91*	

26 05 36 00-1782 Reducers *(26 05 36 00-1649)*

26 05 36 00-1783	EA	18"-6" Reducer, Solid Bottom, Aluminum Cable Tray		177.98	65.75
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*15.74*	
26 05 36 00-1784	EA	24"-12" Reducer, Solid Bottom, Aluminum Cable Tray		196.94	74.56
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*17.12*	
26 05 36 00-1785	EA	30"-12" Reducer, Solid Bottom, Aluminum Cable Tray		221.11	85.75
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*18.87*	
26 05 36 00-1786	EA	30"-18" Reducer, Solid Bottom, Aluminum Cable Tray		222.10	85.75
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*19.03*	
26 05 36 00-1787	EA	36"-12" Reducer, Solid Bottom, Aluminum Cable Tray		248.97	98.58
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*20.91*	
26 05 36 00-1788	EA	36"-18" Reducer, Solid Bottom, Aluminum Cable Tray		250.06	98.58
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*21.08*	
26 05 36 00-1789	EA	36"-24" Reducer, Solid Bottom, Aluminum Cable Tray		252.49	98.75
		For 4-5/8" Overall Height Instead Of 3-5/8", Add		*21.42*	

26 05 36 00-1790 Dropout Or End Plate *(26 05 36 00-1649)*

26 05 36 00-1791	EA	6" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray		54.87	24.69
26 05 36 00-1792	EA	12" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray		65.72	30.12
26 05 36 00-1793	EA	18" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray		78.14	35.71
26 05 36 00-1794	EA	24" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray		86.30	39.50
26 05 36 00-1795	EA	30" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray		96.96	43.86
26 05 36 00-1796	EA	36" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray		109.97	49.37

26 05 36 00-1797 Vented Bottom Cable Tray *(26 05 36 00-0001)*

Note: 6" Height.

26 05 36 00-1798 Vented Bottom Galvanized Steel Cable Tray *(26 05 36 00-1797)*

26 05 36 00-1799	LF	6" Vented Bottom Steel Cable Tray, Straight Section		24.85	8.64
		For 4-5/8" Overall Height Instead Of 6", Deduct		*-1.76*	
26 05 36 00-1800	LF	12" Vented Bottom Steel Cable Tray, Straight Section		29.15	9.87
		For 4-5/8" Overall Height Instead Of 6", Deduct		*-2.09*	
26 05 36 00-1801	LF	18" Vented Bottom Steel Cable Tray, Straight Section		34.24	11.36
		For 4-5/8" Overall Height Instead Of 6", Deduct		*-2.48*	
26 05 36 00-1802	LF	24" Vented Bottom Steel Cable Tray, Straight Section		39.29	13.00
		For 4-5/8" Overall Height Instead Of 6", Deduct		*-2.84*	
26 05 36 00-1803	LF	30" Vented Bottom Steel Cable Tray, Straight Section		51.44	15.72
		For 4-5/8" Overall Height Instead Of 6", Deduct		*-3.83*	
26 05 36 00-1804	LF	36" Vented Bottom Steel Cable Tray, Straight Section		61.18	19.75
		For 4-5/8" Overall Height Instead Of 6", Deduct		*-4.47*	

26 05 36 00-1805 Vented Bottom Galvanized Steel Cable Tray Fittings *(26 05 36 00-1797)*

26 05 36 00-1806 90 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-1805)*

26 05 36 00-1807	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray		237.51	104.01
		For 4-5/8" Overall Height Instead Of 6", Deduct		*-15.09*	
26 05 36 00-1808	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray		310.78	140.72
		For 4-5/8" Overall Height Instead Of 6", Deduct		*-19.35*	
26 05 36 00-1809	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray		386.61	179.39
		For 4-5/8" Overall Height Instead Of 6", Deduct		*-23.71*	
26 05 36 00-1810	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray		474.06	219.64
		For 4-5/8" Overall Height Instead Of 6", Deduct		*-29.10*	
26 05 36 00-1811	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray		534.68	247.37
		For 4-5/8" Overall Height Instead Of 6", Deduct		*-32.85*	
26 05 36 00-1812	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray		612.36	282.43
		For 4-5/8" Overall Height Instead Of 6", Deduct		*-37.70*	

26 05 36 00-1813 90 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1805)*

26 05 36 00-1814	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray		277.50	109.62
		For 4-5/8" Overall Height Instead Of 6", Deduct		*-18.61*	
26 05 36 00-1815	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray		362.55	151.99
		For 4-5/8" Overall Height Instead Of 6", Deduct		*-23.59*	
26 05 36 00-1816	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray		461.15	197.51
		For 4-5/8" Overall Height Instead Of 6", Deduct		*-29.66*	
26 05 36 00-1817	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray		560.24	246.88
		For 4-5/8" Overall Height Instead Of 6", Deduct		*-35.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1818	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	596.64	255.02
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-38.41*	
26 05 36 00-1819	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	747.80	329.17
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-47.35*	

26 05 36 00-1820 90 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1805)*

26 05 36 00-1821	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	334.76	115.87
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-23.82*	
26 05 36 00-1822	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	436.65	164.83
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-29.93*	
26 05 36 00-1823	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	560.45	219.64
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-37.74*	
26 05 36 00-1824	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	674.89	281.86
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-44.00*	
26 05 36 00-1825	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	778.99	329.17
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-50.47*	
26 05 36 00-1826	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	914.05	394.35
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-58.54*	

26 05 36 00-1827 45 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-1805)*

26 05 36 00-1828	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	223.53	104.09
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-13.68*	
26 05 36 00-1829	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	294.02	140.72
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-17.67*	
26 05 36 00-1830	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	366.91	179.15
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-21.76*	
26 05 36 00-1831	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	449.64	219.22
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-26.69*	
26 05 36 00-1832	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	507.75	247.37
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-30.16*	
26 05 36 00-1833	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	580.15	281.86
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-34.53*	

26 05 36 00-1834 45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1805)*

26 05 36 00-1835	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	256.81	109.70
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-16.54*	
26 05 36 00-1836	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	338.53	151.99
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-21.19*	
26 05 36 00-1837	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	432.64	197.83
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-26.78*	
26 05 36 00-1838	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	527.51	246.88
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-32.18*	
26 05 36 00-1839	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	604.61	282.43
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-36.92*	
26 05 36 00-1840	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	703.98	329.17
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-42.97*	

26 05 36 00-1841 45 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1805)*

26 05 36 00-1842	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	303.98	116.11
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-20.72*	
26 05 36 00-1843	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	400.29	164.34
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-26.33*	
26 05 36 00-1844	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	517.68	219.64
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-33.46*	
26 05 36 00-1845	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	630.82	282.43
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-39.54*	
26 05 36 00-1846	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	728.31	329.17
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-45.40*	
26 05 36 00-1847	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	859.68	395.66
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-53.00*	

26 05 36 00-1848 90 Degree, 12" Radius Vertical Risers *(26 05 36 00-1805)*

26 05 36 00-1849	EA	6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	255.67	103.68
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-16.92*	
26 05 36 00-1850	EA	12" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	326.98	140.72
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-20.97*	
26 05 36 00-1851	EA	18" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	392.61	179.39
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-24.31*	
26 05 36 00-1852	EA	24" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	472.86	219.64
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-28.98*	
26 05 36 00-1853	EA	30" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	521.48	247.37
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-31.53*	
26 05 36 00-1854	EA	36" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	584.90	281.86
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-35.00*	

26 05 36 00-1855 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-1805)*

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1856		EA	6" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	301.50	109.62
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-21.01*	
26 05 36 00-1857		EA	12" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	379.35	151.99
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-25.27*	
26 05 36 00-1858		EA	18" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	468.35	197.51
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-30.38*	
26 05 36 00-1859		EA	24" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	555.44	246.88
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-34.97*	
26 05 36 00-1860		EA	30" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	631.69	281.86
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-39.68*	
26 05 36 00-1861		EA	36" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	717.80	329.17
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-44.35*	

26 05 36 00-1862 90 Degree, 36" Radius Vertical Risers *(26 05 36 00-1805)*

26 05 36 00-1863		EA	6" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	353.96	115.87
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-25.74*	
26 05 36 00-1864		EA	12" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	445.05	164.83
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-30.77*	
26 05 36 00-1865		EA	18" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	555.65	219.64
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-37.26*	
26 05 36 00-1866		EA	24" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	672.49	281.86
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-43.76*	
26 05 36 00-1867		EA	30" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	756.20	329.17
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-48.19*	
26 05 36 00-1868		EA	36" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	887.65	394.35
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-55.90*	

26 05 36 00-1869 12" Radius Horizontal Tees *(26 05 36 00-1805)*

26 05 36 00-1870		EA	6" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	426.36	197.51
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-26.18*	
26 05 36 00-1871		EA	12" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	518.63	246.39
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-31.33*	
26 05 36 00-1872		EA	18" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	593.17	282.43
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-35.78*	
26 05 36 00-1873		EA	24" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	690.20	329.17
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-41.59*	
26 05 36 00-1874		EA	30" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	760.04	358.80
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-46.10*	
26 05 36 00-1875		EA	36" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	834.86	394.35
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-50.62*	

26 05 36 00-1876 24" Radius Horizontal Tees *(26 05 36 00-1805)*

26 05 36 00-1877		EA	6" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	526.19	219.22
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-34.35*	
26 05 36 00-1878		EA	12" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	644.89	281.86
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-41.00*	
26 05 36 00-1879		EA	18" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	744.20	329.17
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-46.99*	
26 05 36 00-1880		EA	24" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	911.65	394.35
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-58.30*	
26 05 36 00-1881		EA	30" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,008.11	439.28
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-64.20*	
26 05 36 00-1882		EA	36" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,127.68	493.75
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-71.62*	

26 05 36 00-1883 36" Radius Horizontal Tees *(26 05 36 00-1805)*

26 05 36 00-1884		EA	6" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	641.83	246.88
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-43.61*	
26 05 36 00-1885		EA	12" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	811.39	329.17
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-53.71*	
26 05 36 00-1886		EA	18" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	946.17	395.66
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-61.65*	
26 05 36 00-1887		EA	24" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,168.48	493.75
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-75.70*	
26 05 36 00-1888		EA	30" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,309.68	566.26
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-83.78*	
26 05 36 00-1889		EA	36" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,526.26	656.61
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-97.91*	

26 05 36 00-1890 12" Radius Vertical Tees *(26 05 36 00-1805)*

26 05 36 00-1891		EA	6" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	491.15	197.51
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-32.66*	
26 05 36 00-1892		EA	12" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	575.84	246.88
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-37.01*	
26 05 36 00-1893		EA	18" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	606.64	263.17
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-38.73*	
26 05 36 00-1894		EA	24" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	647.29	281.86
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-41.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1895	EA	30" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	695.10	304.07
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-44.17*	
26 05 36 00-1896	EA	36" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	790.04	358.80
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-49.10*	

26 05 36 00-1897 24" Radius Vertical Tees *(26 05 36 00-1805)*

26 05 36 00-1898	EA	6" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	582.58	219.22
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-39.99*	
26 05 36 00-1899	EA	12" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	697.68	281.86
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-46.28*	
26 05 36 00-1900	EA	18" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	745.49	304.07
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-49.21*	
26 05 36 00-1901	EA	24" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	805.39	329.17
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-53.11*	
26 05 36 00-1902	EA	30" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	868.03	358.80
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-56.90*	
26 05 36 00-1903	EA	36" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,024.91	439.28
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-65.88*	

26 05 36 00-1904 36" Radius Vertical Tees *(26 05 36 00-1805)*

26 05 36 00-1905	EA	6" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	756.20	246.39
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-55.09*	
26 05 36 00-1906	EA	12" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	902.58	329.17
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-62.83*	
26 05 36 00-1907	EA	18" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	964.02	358.80
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-66.50*	
26 05 36 00-1908	EA	24" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,049.35	395.66
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-71.97*	
26 05 36 00-1909	EA	30" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,182.09	439.28
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-81.60*	
26 05 36 00-1910	EA	36" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,395.36	563.62
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-92.57*	

26 05 36 00-1911 12" Radius Horizontal Crosses *(26 05 36 00-1805)*

26 05 36 00-1912	EA	6" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	536.25	246.88
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-33.05*	
26 05 36 00-1913	EA	12" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	596.77	282.43
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-36.14*	
26 05 36 00-1914	EA	18" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	689.00	329.17
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-41.47*	
26 05 36 00-1915	EA	24" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	804.86	394.35
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-47.62*	
26 05 36 00-1916	EA	30" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	895.12	437.72
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-53.04*	
26 05 36 00-1917	EA	36" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	1,008.90	493.75
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-59.74*	

26 05 36 00-1918 24" Radius Horizontal Crosses *(26 05 36 00-1805)*

26 05 36 00-1919	EA	6" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	666.36	282.43
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-43.10*	
26 05 36 00-1920	EA	12" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	753.80	329.17
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-47.95*	
26 05 36 00-1921	EA	18" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	882.85	394.35
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-55.42*	
26 05 36 00-1922	EA	24" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	1,109.69	493.75
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-69.82*	
26 05 36 00-1923	EA	30" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	1,256.17	563.62
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-78.65*	
26 05 36 00-1924	EA	36" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	1,430.27	656.61
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-88.31*	

26 05 36 00-1925 36" Radius Horizontal Crosses *(26 05 36 00-1805)*

26 05 36 00-1926	EA	6" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	878.58	329.17
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-60.43*	
26 05 36 00-1927	EA	12" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	1,006.16	395.66
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-67.65*	
26 05 36 00-1928	EA	18" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	1,176.88	493.75
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-76.54*	
26 05 36 00-1929	EA	24" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	1,526.11	660.07
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-97.60*	
26 05 36 00-1930	EA	30" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	1,786.73	791.24
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-112.73*	
26 05 36 00-1931	EA	36" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	2,149.78	987.51
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-132.69*	

26 05 36 00-1932 Straight Reducers *(26 05 36 00-1805)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1933	EA	12"-6" Reducer, Vented Bottom, Steel Cable Tray	200.74	84.10
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-13.07*	
26 05 36 00-1934	EA	18"-12" Reducer, Vented Bottom, Steel Cable Tray	219.56	93.98
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-14.13*	
26 05 36 00-1935	EA	24"-18" Reducer, Vented Bottom, Steel Cable Tray	249.74	109.53
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-15.85*	
26 05 36 00-1936	EA	30"-24" Reducer, Vented Bottom, Steel Cable Tray	275.32	123.44
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-17.25*	
26 05 36 00-1937	EA	36"-30" Reducer, Vented Bottom, Steel Cable Tray	300.96	135.95
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-18.77*	

26 05 36 00-1938 Reducers *(26 05 36 00-1805)*

26 05 36 00-1939	EA	18"-6" Reducer, Vented Bottom, Steel Cable Tray	219.56	93.98
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-14.13*	
26 05 36 00-1940	EA	24"-12" Reducer, Vented Bottom, Steel Cable Tray	248.86	109.70
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-15.74*	
26 05 36 00-1941	EA	30"-12" Reducer, Vented Bottom, Steel Cable Tray	273.91	123.28
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-17.12*	
26 05 36 00-1942	EA	30"-18" Reducer, Vented Bottom, Steel Cable Tray	274.91	123.19
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-17.23*	
26 05 36 00-1943	EA	36"-12" Reducer, Vented Bottom, Steel Cable Tray	299.76	135.95
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-18.65*	
26 05 36 00-1944	EA	36"-18" Reducer, Vented Bottom, Steel Cable Tray	300.96	135.95
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-18.77*	
26 05 36 00-1945	EA	36"-24" Reducer, Vented Bottom, Steel Cable Tray	302.66	136.28
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-18.91*	

26 05 36 00-1946 Dropout Or End Plate *(26 05 36 00-1805)*

26 05 36 00-1947	EA	6" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	65.07	30.37
26 05 36 00-1948	EA	12" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	77.04	35.63
26 05 36 00-1949	EA	18" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	84.94	39.34
26 05 36 00-1950	EA	24" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	95.42	43.86
26 05 36 00-1951	EA	30" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	106.08	49.29
26 05 36 00-1952	EA	36" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	124.65	58.92

26 05 36 00-1953 Vented Bottom Aluminum Cable Tray *(26 05 36 00-1797)*

26 05 36 00-1954	LF	6" Vented Bottom Aluminum Cable Tray, Straight Section	22.16	6.41
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-1.68*	
26 05 36 00-1955	LF	9" Vented Bottom Aluminum Cable Tray, Straight Section	24.55	7.08
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-1.87*	
26 05 36 00-1956	LF	12" Vented Bottom Aluminum Cable Tray, Straight Section	27.47	7.90
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-2.09*	
26 05 36 00-1957	LF	18" Vented Bottom Aluminum Cable Tray, Straight Section	31.87	8.81
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-2.45*	
26 05 36 00-1958	LF	24" Vented Bottom Aluminum Cable Tray, Straight Section	36.46	9.79
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-2.83*	
26 05 36 00-1959	LF	30" Vented Bottom Aluminum Cable Tray, Straight Section	45.91	11.28
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-3.65*	
26 05 36 00-1960	LF	36" Vented Bottom Aluminum Cable Tray, Straight Section	51.32	13.25
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-4.03*	

26 05 36 00-1961 Vented Bottom Aluminum Cable Tray Fittings *(26 05 36 00-1797)*

26 05 36 00-1962 90 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-1961)*

26 05 36 00-1963	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	248.20	104.01
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-16.15*	
26 05 36 00-1964	EA	9" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	269.62	112.90
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-17.55*	
26 05 36 00-1965	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	298.70	127.14
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-19.28*	
26 05 36 00-1966	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	335.78	140.89
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-21.84*	
26 05 36 00-1967	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	403.75	171.91
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-26.05*	
26 05 36 00-1968	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	474.03	197.83
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-30.92*	
26 05 36 00-1969	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	523.44	219.64
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-34.04*	

26 05 36 00-1970 90 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1961)*

26 05 36 00-1971	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	291.24	109.62
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-19.99*	
26 05 36 00-1972	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	354.05	136.28
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-24.05*	
26 05 36 00-1973	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	399.87	151.99
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-27.32*	
26 05 36 00-1974	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	480.27	187.87
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-32.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1975	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	555.78	218.89
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-37.34*	
26 05 36 00-1976	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	617.66	246.88
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-41.19*	
26 05 36 00-1977		**90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1961)*		
26 05 36 00-1978	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	346.20	115.87
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-24.96*	
26 05 36 00-1979	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	418.78	146.40
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-29.68*	
26 05 36 00-1980	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	473.28	164.83
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-33.59*	
26 05 36 00-1981	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	563.41	207.79
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-39.02*	
26 05 36 00-1982	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	590.66	201.37
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-42.29*	
26 05 36 00-1983	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	746.46	281.86
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-51.16*	
26 05 36 00-1984		**45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1961)*		
26 05 36 00-1985	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	231.87	104.09
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-14.51*	
26 05 36 00-1986	EA	9" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	251.88	113.06
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-15.77*	
26 05 36 00-1987	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	279.60	127.14
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-17.37*	
26 05 36 00-1988	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	313.32	140.72
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-19.60*	
26 05 36 00-1989	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	377.55	171.66
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-23.45*	
26 05 36 00-1990	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	442.28	197.83
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-27.74*	
26 05 36 00-1991	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	488.16	219.22
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-30.55*	
26 05 36 00-1992		**45 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1961)*		
26 05 36 00-1993	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	267.52	109.70
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-17.61*	
26 05 36 00-1994	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	326.11	136.28
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-21.26*	
26 05 36 00-1995	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	367.95	152.24
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-24.11*	
26 05 36 00-1996	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	443.98	188.20
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-28.72*	
26 05 36 00-1997	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	515.06	219.64
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-33.20*	
26 05 36 00-1998	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	572.30	246.88
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-36.66*	
26 05 36 00-1999		**45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1961)*		
26 05 36 00-2000	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	312.90	116.11
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-21.61*	
26 05 36 00-2001	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	379.76	146.07
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-25.80*	
26 05 36 00-2002	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	429.58	164.83
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-29.22*	
26 05 36 00-2003	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	516.23	208.20
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-34.28*	
26 05 36 00-2004	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	586.37	232.47
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-39.27*	
26 05 36 00-2005	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	686.64	282.43
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-45.13*	
26 05 36 00-2006		**90 Degree, 12" Radius Vertical Risers** *(26 05 36 00-1961)*		
26 05 36 00-2007	EA	6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	264.04	103.68
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-17.76*	
26 05 36 00-2008	EA	9" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	284.30	112.65
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-19.04*	
26 05 36 00-2009	EA	12" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	309.56	127.14
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-20.36*	
26 05 36 00-2010	EA	18" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	335.78	140.89
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-21.84*	
26 05 36 00-2011	EA	24" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	398.32	171.91
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-25.51*	
26 05 36 00-2012	EA	30" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	446.90	197.83
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-28.21*	
26 05 36 00-2013	EA	36" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	483.71	219.22
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-30.10*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2014		**90 Degree, 24" Radius Vertical Risers** *(26 05 36 00-1961)*		
26 05 36 00-2015	EA	6" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	305.35	109.62
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-21.40*	
26 05 36 00-2016	EA	12" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	360.56	136.28
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-24.70*	
26 05 36 00-2017	EA	18" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	398.79	151.99
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-27.21*	
26 05 36 00-2018	EA	24" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	461.22	188.20
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-30.44*	
26 05 36 00-2019	EA	30" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	520.61	219.22
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-33.79*	
26 05 36 00-2020	EA	36" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	574.25	246.88
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-36.85*	
26 05 36 00-2021		**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-1961)*		
26 05 36 00-2022	EA	6" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	345.12	115.87
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-24.85*	
26 05 36 00-2023	EA	12" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	406.84	146.40
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-28.48*	
26 05 36 00-2024	EA	18" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	457.00	164.83
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-31.97*	
26 05 36 00-2025	EA	24" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	543.87	207.79
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-37.07*	
26 05 36 00-2026	EA	30" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	604.50	232.47
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-41.08*	
26 05 36 00-2027	EA	36" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	693.28	281.86
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-45.84*	
26 05 36 00-2028		**12" Radius Horizontal Tees** *(26 05 36 00-1961)*		
26 05 36 00-2029	EA	6" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	443.12	197.51
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-27.85*	
26 05 36 00-2030	EA	9" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	463.56	207.79
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-29.04*	
26 05 36 00-2031	EA	12" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	491.75	218.89
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-30.94*	
26 05 36 00-2032	EA	18" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	559.89	247.37
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-35.37*	
26 05 36 00-2033	EA	24" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	639.01	281.86
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-40.42*	
26 05 36 00-2034	EA	30" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	729.86	329.17
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-45.56*	
26 05 36 00-2035	EA	36" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	804.26	358.80
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-50.52*	
26 05 36 00-2036		**24" Radius Horizontal Tees** *(26 05 36 00-1961)*		
26 05 36 00-2037	EA	6" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	539.05	219.22
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-35.63*	
26 05 36 00-2038	EA	12" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	608.16	246.39
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-40.28*	
26 05 36 00-2039	EA	18" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	686.77	281.86
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-45.19*	
26 05 36 00-2040	EA	24" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	818.47	328.26
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-54.49*	
26 05 36 00-2041	EA	30" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	952.43	395.66
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-62.27*	
26 05 36 00-2042	EA	36" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,074.00	439.28
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-70.79*	
26 05 36 00-2043		**36" Radius Horizontal Tees** *(26 05 36 00-1961)*		
26 05 36 00-2044	EA	6" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	690.38	246.88
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-48.47*	
26 05 36 00-2045	EA	12" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	789.87	281.86
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-55.50*	
26 05 36 00-2046	EA	18" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	821.76	274.94
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-59.27*	
26 05 36 00-2047	EA	24" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,080.54	394.35
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-75.19*	
26 05 36 00-2048	EA	30" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,276.61	495.73
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-86.35*	
26 05 36 00-2049	EA	36" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,460.34	563.62
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-99.06*	
26 05 36 00-2050		**12" Radius Vertical Tees** *(26 05 36 00-1961)*		
26 05 36 00-2051	EA	6" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	485.45	197.51
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-32.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2052	EA	9" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	503.72	207.79
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-33.05*	
26 05 36 00-2053	EA	12" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	534.71	219.22
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-35.20*	
26 05 36 00-2054	EA	18" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	557.83	232.47
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-36.41*	
26 05 36 00-2055	EA	24" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	585.37	246.39
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-38.01*	
26 05 36 00-2056	EA	30" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	620.99	263.17
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-40.17*	
26 05 36 00-2057	EA	36" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	695.40	303.24
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-44.27*	

26 05 36 00-2058 24" Radius Vertical Tees *(26 05 36 00-1961)*

26 05 36 00-2059	EA	6" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	586.81	219.22
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-40.41*	
26 05 36 00-2060	EA	12" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	649.40	246.39
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-44.41*	
26 05 36 00-2061	EA	18" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	693.70	263.17
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-47.44*	
26 05 36 00-2062	EA	24" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	741.03	281.86
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-50.62*	
26 05 36 00-2063	EA	30" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	798.51	303.24
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-54.58*	
26 05 36 00-2064	EA	36" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	898.25	359.86
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-59.84*	

26 05 36 00-2065 36" Radius Vertical Tees *(26 05 36 00-1961)*

26 05 36 00-2066	EA	6" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	752.50	246.39
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-54.72*	
26 05 36 00-2067	EA	12" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	833.28	281.86
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-59.84*	
26 05 36 00-2068	EA	18" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	879.90	303.24
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-62.72*	
26 05 36 00-2069	EA	24" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	951.63	330.07
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-67.66*	
26 05 36 00-2070	EA	30" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,033.91	359.86
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-73.40*	
26 05 36 00-2071	EA	36" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,185.36	437.72
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-82.06*	

26 05 36 00-2072 12" Radius Horizontal Crosses *(26 05 36 00-1961)*

26 05 36 00-2073	EA	6" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	507.58	219.22
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-32.49*	
26 05 36 00-2074	EA	9" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	539.38	232.47
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-34.57*	
26 05 36 00-2075	EA	12" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	568.57	247.37
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-36.24*	
26 05 36 00-2076	EA	18" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	633.59	281.86
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-39.87*	
26 05 36 00-2077	EA	24" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	729.48	328.26
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-45.59*	
26 05 36 00-2078	EA	30" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	817.72	357.81
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-51.96*	
26 05 36 00-2079	EA	36" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	999.12	439.28
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-63.31*	

26 05 36 00-2080 24" Radius Horizontal Crosses *(26 05 36 00-1961)*

26 05 36 00-2081	EA	6" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	667.33	247.37
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-46.12*	
26 05 36 00-2082	EA	12" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	748.63	281.86
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-51.38*	
26 05 36 00-2083	EA	18" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	847.77	328.26
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-57.42*	
26 05 36 00-2084	EA	24" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,004.57	394.35
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-67.59*	
26 05 36 00-2085	EA	30" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,103.96	437.72
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-73.92*	
26 05 36 00-2086	EA	36" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,362.67	563.62
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-89.30*	

26 05 36 00-2087 36" Radius Horizontal Crosses *(26 05 36 00-1961)*

26 05 36 00-2088	EA	6" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	887.54	281.86
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-65.27*	
26 05 36 00-2089	EA	12" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	995.04	330.07
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-72.00*	
26 05 36 00-2090	EA	18" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,140.23	394.35
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-81.16*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2091	EA	24" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,385.14	495.73
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-97.20*	
26 05 36 00-2092	EA	30" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,551.48	566.26
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-107.96*	
26 05 36 00-2093	EA	36" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,799.74	656.61
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-125.26*	

26 05 36 00-2094 Straight Reducers *(26 05 36 00-1961)*

26 05 36 00-2095	EA	9"-6" Reducer, Vented Bottom, Aluminum Cable Tray	179.24	65.84
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-12.44*	
26 05 36 00-2096	EA	12"-9" Reducer, Vented Bottom, Aluminum Cable Tray	188.29	69.38
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-13.05*	
26 05 36 00-2097	EA	18"-12" Reducer, Vented Bottom, Aluminum Cable Tray	215.20	82.21
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-14.67*	
26 05 36 00-2098	EA	24"-18" Reducer, Vented Bottom, Aluminum Cable Tray	240.02	93.89
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-16.18*	
26 05 36 00-2099	EA	30"-24" Reducer, Vented Bottom, Aluminum Cable Tray	268.61	109.70
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-17.72*	
26 05 36 00-2100	EA	36"-30" Reducer, Vented Bottom, Aluminum Cable Tray	294.31	123.19
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-19.17*	

26 05 36 00-2101 Reducers *(26 05 36 00-1961)*

26 05 36 00-2102	EA	12"-6" Reducer, Vented Bottom, Aluminum Cable Tray	188.09	69.21
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-13.04*	
26 05 36 00-2103	EA	18"-6" Reducer, Vented Bottom, Aluminum Cable Tray	215.11	82.21
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-14.66*	
26 05 36 00-2104	EA	18"-9" Reducer, Vented Bottom, Aluminum Cable Tray	215.11	82.21
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-14.66*	
26 05 36 00-2105	EA	24"-6" Reducer, Vented Bottom, Aluminum Cable Tray	240.14	93.98
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-16.19*	
26 05 36 00-2106	EA	24"-9" Reducer, Vented Bottom, Aluminum Cable Tray	240.14	93.98
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-16.19*	
26 05 36 00-2107	EA	24"-12" Reducer, Vented Bottom, Aluminum Cable Tray	240.37	94.06
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-16.20*	
26 05 36 00-2108	EA	30"-12" Reducer, Vented Bottom, Aluminum Cable Tray	270.62	109.62
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-17.93*	
26 05 36 00-2109	EA	30"-18" Reducer, Vented Bottom, Aluminum Cable Tray	268.29	109.53
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-17.70*	
26 05 36 00-2110	EA	36"-12" Reducer, Vented Bottom, Aluminum Cable Tray	294.31	123.19
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-19.17*	
26 05 36 00-2111	EA	36"-18" Reducer, Vented Bottom, Aluminum Cable Tray	294.31	123.19
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-19.17*	
26 05 36 00-2112	EA	36"-24" Reducer, Vented Bottom, Aluminum Cable Tray	294.72	123.44
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-19.19*	

26 05 36 00-2113 Dropout Or End Plate *(26 05 36 00-1961)*

26 05 36 00-2114	EA	6" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	64.83	30.37
26 05 36 00-2115	EA	9" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	70.73	33.16
26 05 36 00-2116	EA	12" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	76.16	35.63
26 05 36 00-2117	EA	18" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	85.80	39.34
26 05 36 00-2118	EA	24" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	97.58	43.86
26 05 36 00-2119	EA	30" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	108.25	49.29
26 05 36 00-2120	EA	36" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	123.92	56.46

26 05 36 00-2121 Covers And Dividers *(26 05 36 00-0001)*

26 05 36 00-2122 Galvanized Steel Covers *(26 05 36 00-2121)*

26 05 36 00-2123 Ventilated Straight Sections *(26 05 36 00-2122)*

26 05 36 00-2124	LF	6" Steel Cable Tray Cover, Straight Section	6.29	1.48
26 05 36 00-2125	LF	9" Steel Cable Tray Cover, Straight Section	7.56	1.72
26 05 36 00-2126	LF	12" Steel Cable Tray Cover, Straight Section	8.87	1.97
26 05 36 00-2127	LF	18" Steel Cable Tray Cover, Straight Section	12.00	2.64
26 05 36 00-2128	LF	24" Steel Cable Tray Cover, Straight Section	15.29	3.54
26 05 36 00-2129	LF	30" Steel Cable Tray Cover, Straight Section	18.58	4.36
26 05 36 00-2130	LF	36" Steel Cable Tray Cover, Straight Section	95.36	49.46

26 05 36 00-2131 90 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-2122)*

26 05 36 00-2132	EA	6" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	37.01	5.26
26 05 36 00-2133	EA	9" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	41.48	6.17
26 05 36 00-2134	EA	12" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	45.15	7.33
26 05 36 00-2135	EA	18" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	61.22	9.38
26 05 36 00-2136	EA	24" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	75.12	11.94
26 05 36 00-2137	EA	30" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	90.41	13.25
26 05 36 00-2138	EA	36" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	109.16	15.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2139		**90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-2122)*		
26 05 36 00-2140	EA	6" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	56.49	5.84
26 05 36 00-2141	EA	9" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	59.35	6.83
26 05 36 00-2142	EA	12" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	67.14	8.23
26 05 36 00-2143	EA	18" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	83.35	10.45
26 05 36 00-2144	EA	24" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	102.36	13.17
26 05 36 00-2145	EA	30" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	130.89	15.14
26 05 36 00-2146	EA	36" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	152.35	17.94
26 05 36 00-2147		**90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-2122)*		
26 05 36 00-2148	EA	6" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	79.30	6.58
26 05 36 00-2149	EA	9" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	88.26	7.57
26 05 36 00-2150	EA	12" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	96.05	9.38
26 05 36 00-2151	EA	18" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	121.48	10.94
26 05 36 00-2152	EA	24" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	147.71	15.22
26 05 36 00-2153	EA	30" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	173.81	17.20
26 05 36 00-2154	EA	36" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	203.24	19.75
26 05 36 00-2155		**45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-2122)*		
26 05 36 00-2156	EA	6" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	28.86	5.26
		For 60 Degree Bend, Deduct	*-7.50*	
		For 30 Degree Bend, Deduct	*-12.79*	
26 05 36 00-2157	EA	9" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	34.28	6.17
		For 60 Degree Bend, Deduct	*-8.95*	
		For 30 Degree Bend, Deduct	*-15.26*	
26 05 36 00-2158	EA	12" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	38.55	7.33
		For 60 Degree Bend, Deduct	*-9.93*	
		For 30 Degree Bend, Deduct	*-16.95*	
26 05 36 00-2159	EA	18" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	46.74	8.97
		For 60 Degree Bend, Deduct	*-11.99*	
		For 30 Degree Bend, Deduct	*-20.48*	
26 05 36 00-2160	EA	24" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	54.55	10.37
		For 60 Degree Bend, Deduct	*-14.01*	
		For 30 Degree Bend, Deduct	*-23.93*	
26 05 36 00-2161	EA	30" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	63.74	11.94
		For 60 Degree Bend, Deduct	*-16.45*	
		For 30 Degree Bend, Deduct	*-28.07*	
26 05 36 00-2162	EA	36" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	71.14	13.17
		For 60 Degree Bend, Deduct	*-18.43*	
		For 30 Degree Bend, Deduct	*-31.44*	
26 05 36 00-2163		**45 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-2122)*		
26 05 36 00-2164	EA	6" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	39.11	5.84
		For 60 Degree Bend, Deduct	*-10.67*	
		For 30 Degree Bend, Deduct	*-18.11*	
26 05 36 00-2165	EA	9" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	44.36	6.83
		For 60 Degree Bend, Deduct	*-12.03*	
		For 30 Degree Bend, Deduct	*-20.42*	
26 05 36 00-2166	EA	12" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	50.95	8.23
		For 60 Degree Bend, Deduct	*-13.65*	
		For 30 Degree Bend, Deduct	*-23.21*	
26 05 36 00-2167	EA	18" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	59.09	9.87
		For 60 Degree Bend, Deduct	*-15.71*	
		For 30 Degree Bend, Deduct	*-26.73*	
26 05 36 00-2168	EA	24" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	68.03	11.28
		For 60 Degree Bend, Deduct	*-18.12*	
		For 30 Degree Bend, Deduct	*-30.82*	
26 05 36 00-2169	EA	30" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	84.39	13.17
		For 60 Degree Bend, Deduct	*-22.79*	
		For 30 Degree Bend, Deduct	*-38.71*	
26 05 36 00-2170	EA	36" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	93.74	15.22
		For 60 Degree Bend, Deduct	*-25.10*	
		For 30 Degree Bend, Deduct	*-42.68*	
26 05 36 00-2171		**45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-2122)*		
26 05 36 00-2172	EA	6" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	53.54	6.58
		For 60 Degree Bend, Deduct	*-15.15*	
		For 30 Degree Bend, Deduct	*-25.62*	
26 05 36 00-2173	EA	9" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	60.66	7.57
		For 60 Degree Bend, Deduct	*-17.10*	
		For 30 Degree Bend, Deduct	*-28.93*	
26 05 36 00-2174	EA	12" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	68.41	9.38
		For 60 Degree Bend, Deduct	*-18.98*	
		For 30 Degree Bend, Deduct	*-32.16*	
26 05 36 00-2175	EA	18" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	77.97	10.45
		For 60 Degree Bend, Deduct	*-21.73*	
		For 30 Degree Bend, Deduct	*-36.80*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2176	EA	24" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	95.05	12.76
		For 60 Degree Bend, Deduct	*-26.48*	
		For 30 Degree Bend, Deduct	*-44.84*	
26 05 36 00-2177	EA	30" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	105.74	15.22
		For 60 Degree Bend, Deduct	*-29.06*	
		For 30 Degree Bend, Deduct	*-49.28*	
26 05 36 00-2178	EA	36" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	124.64	16.46
		For 60 Degree Bend, Deduct	*-34.82*	
		For 30 Degree Bend, Deduct	*-58.94*	

26 05 36 00-2179 90 Degree, 12" Radius Vertical Risers *(26 05 36 00-2122)*

26 05 36 00-2180	EA	6" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	32.31	5.26
26 05 36 00-2181	EA	9" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	34.28	6.17
26 05 36 00-2182	EA	12" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	37.95	7.33
26 05 36 00-2183	EA	18" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	44.36	8.97
26 05 36 00-2184	EA	24" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	49.35	11.61
26 05 36 00-2185	EA	30" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	55.02	13.25
26 05 36 00-2186	EA	36" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	68.91	15.80

26 05 36 00-2187 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-2122)*

26 05 36 00-2188	EA	6" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	38.50	5.84
26 05 36 00-2189	EA	9" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	43.16	6.83
26 05 36 00-2190	EA	12" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	46.75	8.23
26 05 36 00-2191	EA	18" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	60.25	9.87
26 05 36 00-2192	EA	24" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	70.42	12.76
26 05 36 00-2193	EA	30" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	81.11	15.22
26 05 36 00-2194	EA	36" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	93.55	17.94

26 05 36 00-2195 90 Degree, 36" Radius Vertical Risers *(26 05 36 00-2122)*

26 05 36 00-2196	EA	6" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	44.51	6.58
26 05 36 00-2197	EA	9" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	55.27	7.57
26 05 36 00-2198	EA	12" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	63.65	9.38
26 05 36 00-2199	EA	18" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	77.97	10.45
26 05 36 00-2200	EA	24" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	91.51	14.56
26 05 36 00-2201	EA	30" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	109.02	17.20
26 05 36 00-2202	EA	36" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	127.65	19.75

26 05 36 00-2203 12" Radius Horizontal Tees *(26 05 36 00-2122)*

26 05 36 00-2204	EA	6" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	56.92	8.56
26 05 36 00-2205	EA	9" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	60.25	9.87
26 05 36 00-2206	EA	12" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	68.49	11.61
26 05 36 00-2207	EA	18" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	81.99	13.17
26 05 36 00-2208	EA	24" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	100.94	15.22
26 05 36 00-2209	EA	30" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	125.30	21.89
26 05 36 00-2210	EA	36" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	150.58	26.25

26 05 36 00-2211 24" Radius Horizontal Tees *(26 05 36 00-2122)*

26 05 36 00-2212	EA	6" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	82.15	8.97
26 05 36 00-2213	EA	9" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	94.17	10.45
26 05 36 00-2214	EA	12" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	99.74	12.35
26 05 36 00-2215	EA	18" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	125.52	14.15
26 05 36 00-2216	EA	24" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	183.34	16.46
26 05 36 00-2217	EA	30" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	218.76	24.69
26 05 36 00-2218	EA	36" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	246.19	30.37

26 05 36 00-2219 36" Radius Horizontal Tees *(26 05 36 00-2122)*

26 05 36 00-2220	EA	6" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	136.83	9.38
26 05 36 00-2221	EA	9" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	141.86	10.94
26 05 36 00-2222	EA	12" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	158.75	13.17
26 05 36 00-2223	EA	18" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	186.17	15.22
26 05 36 00-2224	EA	24" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	241.14	17.94
26 05 36 00-2225	EA	30" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	276.32	28.30
26 05 36 00-2226	EA	36" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	320.03	35.80

26 05 36 00-2227 12" Radius Horizontal Crosses *(26 05 36 00-2122)*

26 05 36 00-2228	EA	6" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	82.93	11.61
26 05 36 00-2229	EA	9" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	87.77	12.35
26 05 36 00-2230	EA	12" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	96.99	13.17
26 05 36 00-2231	EA	18" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	114.14	15.22
26 05 36 00-2232	EA	24" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	144.46	21.89
26 05 36 00-2233	EA	30" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	167.34	26.25
26 05 36 00-2234	EA	36" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	190.98	28.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2235		**24" Radius Horizontal Crosses** *(26 05 36 00-2122)*		
26 05 36 00-2236	EA	6" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	141.79	12.35
26 05 36 00-2237	EA	9" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	153.95	13.17
26 05 36 00-2238	EA	12" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	165.11	14.15
26 05 36 00-2239	EA	18" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	196.54	16.46
26 05 36 00-2240	EA	24" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	247.52	24.69
26 05 36 00-2241	EA	30" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	283.31	30.37
26 05 36 00-2242	EA	36" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	316.31	32.83
26 05 36 00-2243		**36" Radius Horizontal Crosses** *(26 05 36 00-2122)*		
26 05 36 00-2244	EA	6" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	224.75	13.17
26 05 36 00-2245	EA	9" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	233.51	14.15
26 05 36 00-2246	EA	12" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	246.16	15.22
26 05 36 00-2247	EA	18" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	284.33	17.94
26 05 36 00-2248	EA	24" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	371.07	28.22
26 05 36 00-2249	EA	30" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	407.89	35.96
26 05 36 00-2250	EA	36" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	437.80	39.50
26 05 36 00-2251		**Reducers** *(26 05 36 00-2122)*		
26 05 36 00-2252	EA	9"-6" Reducer, Steel Cable Tray Covers	37.29	6.17
26 05 36 00-2253	EA	12"-6" Reducer, Steel Cable Tray Covers	40.38	7.33
26 05 36 00-2254	EA	12"-9" Reducer, Steel Cable Tray Covers	40.38	7.33
26 05 36 00-2255	EA	18"-6" Reducer, Steel Cable Tray Covers	44.96	8.97
26 05 36 00-2256	EA	18"-12" Reducer, Steel Cable Tray Covers	44.96	8.97
26 05 36 00-2257	EA	24"-12" Reducer, Steel Cable Tray Covers	54.86	9.87
26 05 36 00-2258	EA	24"-18" Reducer, Steel Cable Tray Covers	58.46	9.87
26 05 36 00-2259	EA	30"-12" Reducer, Steel Cable Tray Covers	57.22	11.28
26 05 36 00-2260	EA	30"-18" Reducer, Steel Cable Tray Covers	60.82	11.28
26 05 36 00-2261	EA	30"-24" Reducer, Steel Cable Tray Covers	63.21	11.28
26 05 36 00-2262	EA	36"-12" Reducer, Steel Cable Tray Covers	66.12	12.35
26 05 36 00-2263	EA	36"-18" Reducer, Steel Cable Tray Covers	67.32	12.35
26 05 36 00-2264	EA	36"-24" Reducer, Steel Cable Tray Covers	68.52	12.35
26 05 36 00-2265	EA	36"-30" Reducer, Steel Cable Tray Covers	69.12	12.35
26 05 36 00-2266		**Aluminum Covers** *(26 05 36 00-2121)*		
26 05 36 00-2267		**Ventilated Straight Sections** *(26 05 36 00-2266)*		
26 05 36 00-2268	LF	6" Aluminum Cable Tray Cover, Straight Section	5.82	1.48
26 05 36 00-2269	LF	9" Aluminum Cable Tray Cover, Straight Section	6.90	1.72
26 05 36 00-2270	LF	12" Aluminum Cable Tray Cover, Straight Section	8.07	1.97
26 05 36 00-2271	LF	18" Aluminum Cable Tray Cover, Straight Section	10.73	2.64
26 05 36 00-2272	LF	24" Aluminum Cable Tray Cover, Straight Section	13.91	3.54
26 05 36 00-2273	LF	30" Aluminum Cable Tray Cover, Straight Section	16.04	4.36
26 05 36 00-2274	LF	36" Aluminum Cable Tray Cover, Straight Section	91.74	49.46
26 05 36 00-2275		**90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-2266)*		
26 05 36 00-2276	EA	6" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	33.77	5.26
26 05 36 00-2277	EA	9" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	36.33	6.17
26 05 36 00-2278	EA	12" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	40.37	7.33
26 05 36 00-2279	EA	18" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	52.53	9.38
26 05 36 00-2280	EA	24" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	66.60	11.94
26 05 36 00-2281	EA	30" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	77.91	13.25
26 05 36 00-2282	EA	36" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	94.74	15.80
26 05 36 00-2283		**90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-2266)*		
26 05 36 00-2284	EA	6" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	43.89	5.84
26 05 36 00-2285	EA	9" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	53.69	6.83
26 05 36 00-2286	EA	12" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	60.42	8.23
26 05 36 00-2287	EA	18" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	72.71	10.45
26 05 36 00-2288	EA	24" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	90.34	13.17
26 05 36 00-2289	EA	30" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	108.87	15.14
26 05 36 00-2290	EA	36" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	133.06	17.94
26 05 36 00-2291		**90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-2266)*		
26 05 36 00-2292	EA	6" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	69.52	6.58
26 05 36 00-2293	EA	9" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	76.70	7.57
26 05 36 00-2294	EA	12" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	88.37	9.38
26 05 36 00-2295	EA	18" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	105.11	10.94
26 05 36 00-2296	EA	24" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	130.59	15.22
26 05 36 00-2297	EA	30" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	150.18	17.20
26 05 36 00-2298	EA	36" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	175.03	19.75

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2299		**45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-2266)*		
26 05 36 00-2300	EA	6" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	27.27	5.26
		For 60 Degree Bend, Deduct	*-6.97*	
		For 30 Degree Bend, Deduct	*-11.91*	
26 05 36 00-2301	EA	9" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	29.27	6.17
		For 60 Degree Bend, Deduct	*-7.29*	
		For 30 Degree Bend, Deduct	*-12.50*	
26 05 36 00-2302	EA	12" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	33.42	7.33
		For 60 Degree Bend, Deduct	*-8.23*	
		For 30 Degree Bend, Deduct	*-14.13*	
26 05 36 00-2303	EA	18" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	39.36	8.97
		For 60 Degree Bend, Deduct	*-9.55*	
		For 30 Degree Bend, Deduct	*-16.42*	
26 05 36 00-2304	EA	24" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	44.48	10.37
		For 60 Degree Bend, Deduct	*-10.69*	
		For 30 Degree Bend, Deduct	*-18.39*	
26 05 36 00-2305	EA	30" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	54.14	11.94
		For 60 Degree Bend, Deduct	*-13.28*	
		For 30 Degree Bend, Deduct	*-22.79*	
26 05 36 00-2306	EA	36" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	63.19	13.17
		For 60 Degree Bend, Deduct	*-15.80*	
		For 30 Degree Bend, Deduct	*-27.07*	
26 05 36 00-2307		**45 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-2266)*		
26 05 36 00-2308	EA	6" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	31.14	5.84
		For 60 Degree Bend, Deduct	*-8.04*	
		For 30 Degree Bend, Deduct	*-13.73*	
26 05 36 00-2309	EA	9" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	38.49	6.83
		For 60 Degree Bend, Deduct	*-10.09*	
		For 30 Degree Bend, Deduct	*-17.19*	
26 05 36 00-2310	EA	12" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	41.97	8.23
		For 60 Degree Bend, Deduct	*-10.69*	
		For 30 Degree Bend, Deduct	*-18.27*	
26 05 36 00-2311	EA	18" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	50.68	9.87
		For 60 Degree Bend, Deduct	*-12.93*	
		For 30 Degree Bend, Deduct	*-22.10*	
26 05 36 00-2312	EA	24" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	61.17	11.28
		For 60 Degree Bend, Deduct	*-15.85*	
		For 30 Degree Bend, Deduct	*-27.05*	
26 05 36 00-2313	EA	30" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	70.84	13.17
		For 60 Degree Bend, Deduct	*-18.32*	
		For 30 Degree Bend, Deduct	*-31.26*	
26 05 36 00-2314	EA	36" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	81.78	15.22
		For 60 Degree Bend, Deduct	*-21.16*	
		For 30 Degree Bend, Deduct	*-36.11*	
26 05 36 00-2315		**45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-2266)*		
26 05 36 00-2316	EA	6" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	47.84	6.58
		For 60 Degree Bend, Deduct	*-13.27*	
		For 30 Degree Bend, Deduct	*-22.48*	
26 05 36 00-2317	EA	9" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	52.83	7.57
		For 60 Degree Bend, Deduct	*-14.52*	
		For 30 Degree Bend, Deduct	*-24.62*	
26 05 36 00-2318	EA	12" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	57.95	9.38
		For 60 Degree Bend, Deduct	*-15.53*	
		For 30 Degree Bend, Deduct	*-26.41*	
26 05 36 00-2319	EA	18" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	68.39	10.45
		For 60 Degree Bend, Deduct	*-18.57*	
		For 30 Degree Bend, Deduct	*-31.53*	
26 05 36 00-2320	EA	24" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	83.12	12.76
		For 60 Degree Bend, Deduct	*-22.54*	
		For 30 Degree Bend, Deduct	*-38.28*	
26 05 36 00-2321	EA	30" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	95.89	15.22
		For 60 Degree Bend, Deduct	*-25.81*	
		For 30 Degree Bend, Deduct	*-43.87*	
26 05 36 00-2322	EA	36" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	107.76	16.46
		For 60 Degree Bend, Deduct	*-29.25*	
		For 30 Degree Bend, Deduct	*-49.66*	
26 05 36 00-2323		**90 Degree, 12" Radius Vertical Risers** *(26 05 36 00-2266)*		
26 05 36 00-2324	EA	6" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	30.06	5.26
26 05 36 00-2325	EA	9" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	31.71	6.17
26 05 36 00-2326	EA	12" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	35.48	7.33
26 05 36 00-2327	EA	18" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	42.09	8.97
26 05 36 00-2328	EA	24" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	47.57	11.61
26 05 36 00-2329	EA	30" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	50.78	13.25
26 05 36 00-2330	EA	36" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	61.04	15.80
26 05 36 00-2331		**90 Degree, 24" Radius Vertical Risers** *(26 05 36 00-2266)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2332	EA	6" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	34.12	5.84
26 05 36 00-2333	EA	9" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	37.95	6.83
26 05 36 00-2334	EA	12" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	42.51	8.23
26 05 36 00-2335	EA	18" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	51.19	9.87
26 05 36 00-2336	EA	24" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	59.21	12.76
26 05 36 00-2337	EA	30" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	74.16	15.22
26 05 36 00-2338	EA	36" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	83.14	17.94
26 05 36 00-2339		**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-2266)*		
26 05 36 00-2340	EA	6" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	39.13	6.58
26 05 36 00-2341	EA	9" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	47.40	7.57
26 05 36 00-2342	EA	12" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	55.82	9.38
26 05 36 00-2343	EA	18" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	66.22	10.45
26 05 36 00-2344	EA	24" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	81.84	14.56
26 05 36 00-2345	EA	30" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	101.34	17.20
26 05 36 00-2346	EA	36" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	111.00	19.75
26 05 36 00-2347		**12" Radius Horizontal Tees** *(26 05 36 00-2266)*		
26 05 36 00-2348	EA	6" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	49.05	8.56
26 05 36 00-2349	EA	9" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	53.36	9.87
26 05 36 00-2350	EA	12" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	60.54	11.61
26 05 36 00-2351	EA	18" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	70.84	13.17
26 05 36 00-2352	EA	24" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	87.21	15.22
26 05 36 00-2353	EA	30" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	109.22	21.89
26 05 36 00-2354	EA	36" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	131.70	26.25
26 05 36 00-2355		**24" Radius Horizontal Tees** *(26 05 36 00-2266)*		
26 05 36 00-2356	EA	6" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	71.39	8.97
26 05 36 00-2357	EA	9" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	80.33	10.45
26 05 36 00-2358	EA	12" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	91.09	12.35
26 05 36 00-2359	EA	18" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	106.01	14.15
26 05 36 00-2360	EA	24" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	158.68	16.46
26 05 36 00-2361	EA	30" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	186.61	24.69
26 05 36 00-2362	EA	36" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	212.32	30.37
26 05 36 00-2363		**36" Radius Horizontal Tees** *(26 05 36 00-2266)*		
26 05 36 00-2364	EA	6" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	118.74	9.38
26 05 36 00-2365	EA	9" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	123.54	10.94
26 05 36 00-2366	EA	12" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	138.09	13.17
26 05 36 00-2367	EA	18" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	156.71	15.22
26 05 36 00-2368	EA	24" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	197.09	17.94
26 05 36 00-2369	EA	30" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	234.90	28.30
26 05 36 00-2370	EA	36" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	271.29	35.80
26 05 36 00-2371		**12" Radius Horizontal Crosses** *(26 05 36 00-2266)*		
26 05 36 00-2372	EA	6" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	72.52	11.61
26 05 36 00-2373	EA	9" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	77.01	12.35
26 05 36 00-2374	EA	12" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	84.95	13.17
26 05 36 00-2375	EA	18" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	101.32	15.22
26 05 36 00-2376	EA	24" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	124.38	21.89
26 05 36 00-2377	EA	30" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	147.94	26.25
26 05 36 00-2378	EA	36" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	167.47	28.22
26 05 36 00-2379		**24" Radius Horizontal Crosses** *(26 05 36 00-2266)*		
26 05 36 00-2380	EA	6" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	124.79	12.35
26 05 36 00-2381	EA	9" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	133.75	13.17
26 05 36 00-2382	EA	12" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	144.00	14.15
26 05 36 00-2383	EA	18" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	167.36	16.46
26 05 36 00-2384	EA	24" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	208.27	24.69
26 05 36 00-2385	EA	30" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	245.89	30.37
26 05 36 00-2386	EA	36" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	266.37	32.83
26 05 36 00-2387		**36" Radius Horizontal Crosses** *(26 05 36 00-2266)*		
26 05 36 00-2388	EA	6" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	189.10	13.17
26 05 36 00-2389	EA	9" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	198.26	14.15
26 05 36 00-2390	EA	12" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	213.14	15.22
26 05 36 00-2391	EA	18" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	236.16	17.94
26 05 36 00-2392	EA	24" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	302.15	28.22
26 05 36 00-2393	EA	30" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	352.96	35.96
26 05 36 00-2394	EA	36" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	386.00	39.50

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2395		**Reducers** *(26 05 36 00-2266)*		
26 05 36 00-2396	EA	9"-6" Reducer, Aluminum Cable Tray Covers	36.88	6.17
26 05 36 00-2397	EA	12"-6" Reducer, Aluminum Cable Tray Covers	39.85	7.33
26 05 36 00-2398	EA	12"-9" Reducer, Aluminum Cable Tray Covers	39.85	7.33
26 05 36 00-2399	EA	18"-6" Reducer, Aluminum Cable Tray Covers	45.35	8.97
26 05 36 00-2400	EA	18"-12" Reducer, Aluminum Cable Tray Covers	45.34	8.97
26 05 36 00-2401	EA	24"-12" Reducer, Aluminum Cable Tray Covers	50.10	9.87
26 05 36 00-2402	EA	24"-18" Reducer, Aluminum Cable Tray Covers	54.41	9.87
26 05 36 00-2403	EA	30"-12" Reducer, Aluminum Cable Tray Covers	57.89	11.28
26 05 36 00-2404	EA	30"-18" Reducer, Aluminum Cable Tray Covers	59.50	11.28
26 05 36 00-2405	EA	30"-24" Reducer, Aluminum Cable Tray Covers	60.62	11.28
26 05 36 00-2406	EA	36"-12" Reducer, Aluminum Cable Tray Covers	63.94	12.35
26 05 36 00-2407	EA	36"-18" Reducer, Aluminum Cable Tray Covers	65.03	12.35
26 05 36 00-2408	EA	36"-24" Reducer, Aluminum Cable Tray Covers	65.57	12.35
26 05 36 00-2409	EA	36"-30" Reducer, Aluminum Cable Tray Covers	66.11	12.35
26 05 36 00-2410		**Galvanized Steel Dividers** *(26 05 36 00-2121)*		
26 05 36 00-2411		**Straight Dividers** *(26 05 36 00-2410)*		
26 05 36 00-2412	LF	3" Deep Galvanized Steel Divider Strip, Straight	6.59	1.97
26 05 36 00-2413	LF	4" Deep Galvanized Steel Divider Strip, Straight	7.71	2.13
26 05 36 00-2414	LF	6" Deep Galvanized Steel Divider Strip, Straight	9.46	2.47
26 05 36 00-2415		**3" Deep Vertical Dividers** *(26 05 36 00-2410)*		
26 05 36 00-2416	EA	Vertical Divider, 3" Deep, 12" Radius, 30 Degree, Steel Cable Tray	39.73	14.15
26 05 36 00-2417	EA	Vertical Divider, 3" Deep, 12" Radius, 45 Degree, Steel Cable Tray	44.69	14.65
26 05 36 00-2418	EA	Vertical Divider, 3" Deep, 12" Radius, 60 Degree, Steel Cable Tray	46.95	15.22
26 05 36 00-2419	EA	Vertical Divider, 3" Deep, 12" Radius, 90 Degree, Steel Cable Tray	53.33	15.80
26 05 36 00-2420	EA	Vertical Divider, 3" Deep, 24" Radius, 30 Degree, Steel Cable Tray	50.93	15.80
26 05 36 00-2421	EA	Vertical Divider, 3" Deep, 24" Radius, 45 Degree, Steel Cable Tray	55.00	16.46
26 05 36 00-2422	EA	Vertical Divider, 3" Deep, 24" Radius, 60 Degree, Steel Cable Tray	63.43	17.20
26 05 36 00-2423	EA	Vertical Divider, 3" Deep, 24" Radius, 90 Degree, Steel Cable Tray	77.35	17.94
26 05 36 00-2424	EA	Vertical Divider, 3" Deep, 36" Radius, 30 Degree, Steel Cable	62.96	17.94
26 05 36 00-2425	EA	Vertical Divider, 3" Deep, 36" Radius, 45 Degree, Steel Cable Tray	69.75	18.84
26 05 36 00-2426	EA	Vertical Divider, 3" Deep, 36" Radius, 60 Degree, Steel Cable Tray	77.90	19.75
26 05 36 00-2427	EA	Vertical Divider, 3" Deep, 36" Radius, 90 Degree, Steel Cable Tray	97.04	20.82
26 05 36 00-2428		**4" Deep Vertical Dividers** *(26 05 36 00-2410)*		
26 05 36 00-2429	EA	Vertical Divider, 4" Deep, 12" Radius, 30 Degree, Steel Cable Tray	44.99	14.65
26 05 36 00-2430	EA	Vertical Divider, 4" Deep, 12" Radius, 45 Degree, Steel Cable Tray	49.35	15.22
26 05 36 00-2431	EA	Vertical Divider, 4" Deep, 12" Radius, 60 Degree, Steel Cable Tray	53.33	15.80
26 05 36 00-2432	EA	Vertical Divider, 4" Deep, 12" Radius, 90 Degree, Steel Cable Tray	60.40	16.46
26 05 36 00-2433	EA	Vertical Divider, 4" Deep, 24" Radius, 30 Degree, Steel Cable Tray	60.40	16.46
26 05 36 00-2434	EA	Vertical Divider, 4" Deep, 24" Radius, 45 Degree, Steel Cable Tray	70.03	17.20
26 05 36 00-2435	EA	Vertical Divider, 4" Deep, 24" Radius, 60 Degree, Steel Cable Tray	76.75	17.94
26 05 36 00-2436	EA	Vertical Divider, 4" Deep, 24" Radius, 90 Degree, Steel Cable Tray	93.74	18.84
26 05 36 00-2437	EA	Vertical Divider, 4" Deep, 36" Radius, 30 Degree, Steel Cable Tray	67.03	17.20
26 05 36 00-2438	EA	Vertical Divider, 4" Deep, 36" Radius, 45 Degree, Steel Cable Tray	73.75	17.94
26 05 36 00-2439	EA	Vertical Divider, 4" Deep, 36" Radius, 60 Degree, Steel Cable Tray	86.54	18.84
26 05 36 00-2440	EA	Vertical Divider, 4" Deep, 36" Radius, 90 Degree, Steel Cable Tray	107.90	19.75
26 05 36 00-2441		**6" Deep Vertical Dividers** *(26 05 36 00-2410)*		
26 05 36 00-2442	EA	Vertical Divider, 6" Deep, 12" Radius, 30 Degree, Steel Cable Tray	49.90	16.46
26 05 36 00-2443	EA	Vertical Divider, 6" Deep, 12" Radius, 45 Degree, Steel Cable Tray	53.83	17.20
26 05 36 00-2444	EA	Vertical Divider, 6" Deep, 12" Radius, 60 Degree, Steel Cable Tray	58.76	17.94
26 05 36 00-2445	EA	Vertical Divider, 6" Deep, 12" Radius, 90 Degree, Steel Cable Tray	67.35	18.84
26 05 36 00-2446	EA	Vertical Divider, 6" Deep, 24" Radius, 30 Degree, Steel Cable Tray	61.63	17.20
26 05 36 00-2447	EA	Vertical Divider, 6" Deep, 24" Radius, 45 Degree, Steel Cable Tray	71.36	17.94
26 05 36 00-2448	EA	Vertical Divider, 6" Deep, 24" Radius, 60 Degree, Steel Cable Tray	78.74	18.84
26 05 36 00-2449	EA	Vertical Divider, 6" Deep, 24" Radius, 90 Degree, Steel Cable Tray	95.30	19.75
26 05 36 00-2450	EA	Vertical Divider, 6" Deep, 36" Radius, 30 Degree, Steel Cable Tray	68.36	17.94
26 05 36 00-2451	EA	Vertical Divider, 6" Deep, 36" Radius, 45 Degree, Steel Cable Tray	78.74	18.84
26 05 36 00-2452	EA	Vertical Divider, 6" Deep, 36" Radius, 60 Degree, Steel Cable Tray	95.30	19.75
26 05 36 00-2453	EA	Vertical Divider, 6" Deep, 36" Radius, 90 Degree, Steel Cable Tray	115.04	20.82
26 05 36 00-2454		**Horizontal Dividers** *(26 05 36 00-2410)*		
26 05 36 00-2455	EA	3" Deep Horizontal Fitting Divider Strip, Steel Cable Tray	43.01	11.94
26 05 36 00-2456	EA	4" Deep Horizontal Fitting Divider Strip, Steel Cable Tray	47.77	13.17
26 05 36 00-2457	EA	6" Deep Horizontal Fitting Divider Strip, Steel Cable Tray	57.35	14.65
26 05 36 00-2458		**Aluminum Dividers** *(26 05 36 00-2121)*		
26 05 36 00-2459		**Straight Dividers** *(26 05 36 00-2458)*		
26 05 36 00-2460	LF	3" Deep Aluminum Divider Strip, Straight	6.11	1.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2461	LF	4" Deep Aluminum Divider Strip, Straight	7.15	2.05
26 05 36 00-2462	LF	6" Deep Aluminum Divider Strip, Straight	8.70	2.31
26 05 36 00-2463		**3" Deep Vertical Dividers** *(26 05 36 00-2458)*		
26 05 36 00-2464	EA	Vertical Divider, 3" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray	35.14	13.66
26 05 36 00-2465	EA	Vertical Divider, 3" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray	38.18	14.15
26 05 36 00-2466	EA	Vertical Divider, 3" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray	41.50	14.65
26 05 36 00-2467	EA	Vertical Divider, 3" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray	47.06	15.22
26 05 36 00-2468	EA	Vertical Divider, 3" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray	45.97	15.22
26 05 36 00-2469	EA	Vertical Divider, 3" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray	50.21	15.80
26 05 36 00-2470	EA	Vertical Divider, 3" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray	57.25	16.46
26 05 36 00-2471	EA	Vertical Divider, 3" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray	69.33	17.20
26 05 36 00-2472	EA	Vertical Divider, 3" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray	60.10	17.20
26 05 36 00-2473	EA	Vertical Divider, 3" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray	70.66	17.94
26 05 36 00-2474	EA	Vertical Divider, 3" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray	83.99	18.84
26 05 36 00-2475	EA	Vertical Divider, 3" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray	101.83	19.75
26 05 36 00-2476		**4" Deep Vertical Dividers** *(26 05 36 00-2458)*		
26 05 36 00-2477	EA	Vertical Divider, 4" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray	41.06	14.15
26 05 36 00-2478	EA	Vertical Divider, 4" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray	44.70	14.65
26 05 36 00-2479	EA	Vertical Divider, 4" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray	48.68	15.22
26 05 36 00-2480	EA	Vertical Divider, 4" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray	54.00	15.80
26 05 36 00-2481	EA	Vertical Divider, 4" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray	53.46	15.80
26 05 36 00-2482	EA	Vertical Divider, 4" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray	61.04	16.46
26 05 36 00-2483	EA	Vertical Divider, 4" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray	68.24	17.20
26 05 36 00-2484	EA	Vertical Divider, 4" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray	84.22	17.94
26 05 36 00-2485	EA	Vertical Divider, 4" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray	69.73	16.46
26 05 36 00-2486	EA	Vertical Divider, 4" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray	82.89	17.20
26 05 36 00-2487	EA	Vertical Divider, 4" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray	96.16	17.94
26 05 36 00-2488	EA	Vertical Divider, 4" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray	114.92	18.84
26 05 36 00-2489		**6" Deep Vertical Dividers** *(26 05 36 00-2458)*		
26 05 36 00-2490	EA	Vertical Divider, 6" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray	45.54	15.80
26 05 36 00-2491	EA	Vertical Divider, 6" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray	50.19	16.46
26 05 36 00-2492	EA	Vertical Divider, 6" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray	52.51	17.20
26 05 36 00-2493	EA	Vertical Divider, 6" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray	58.18	17.94
26 05 36 00-2494	EA	Vertical Divider, 6" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray	55.62	16.46
26 05 36 00-2495	EA	Vertical Divider, 6" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray	67.16	17.20
26 05 36 00-2496	EA	Vertical Divider, 6" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray	72.29	17.94
26 05 36 00-2497	EA	Vertical Divider, 6" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray	88.87	18.84
26 05 36 00-2498	EA	Vertical Divider, 6" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray	71.50	17.20
26 05 36 00-2499	EA	Vertical Divider, 6" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray	87.48	17.94
26 05 36 00-2500	EA	Vertical Divider, 6" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray	99.18	18.84
26 05 36 00-2501	EA	Vertical Divider, 6" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray	114.31	19.75
26 05 36 00-2502		**Horizontal Dividers** *(26 05 36 00-2458)*		
26 05 36 00-2503	EA	3" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	38.59	11.28
26 05 36 00-2504	EA	4" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	42.29	12.35
26 05 36 00-2505	EA	6" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	51.47	13.66
26 05 36 00-2506		**Wall Brackets** *(26 05 36 00-0001)*		
26 05 36 00-2507		**Wall Brackets** *(26 05 36 00-2506)*		
26 05 36 00-2508	EA	6" Wide Tray Wall Bracket	45.47	16.46
26 05 36 00-2509	EA	9" Wide Tray Wall Bracket	47.22	17.20
26 05 36 00-2510	EA	12" Wide Tray Wall Bracket	51.13	17.94
26 05 36 00-2511	EA	18" Wide Tray Wall Bracket	54.07	18.84
26 05 36 00-2512	EA	24" Wide Tray Wall Bracket	58.21	19.75
26 05 36 00-2513	EA	30" Wide Tray Wall Bracket	67.17	20.82
26 05 36 00-2514	EA	36" Wide Tray Wall Bracket	78.34	22.22
26 05 36 00-2515		**Fiberglass Cable Tray** *(26 05 36 00-0001)*		
26 05 36 00-2516		**Ladder Bottom Fiberglass Cable Tray** *(26 05 36 00-2515)*		
		Note: Excludes hangers and support system.		
26 05 36 00-2517		**Straight Tray Sections** *(26 05 36 00-2516)*		
26 05 36 00-2518	LF	6" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	7.32	2.22
		For 9" Rung Spacing, Add	*0.14*	
		For 6" Rung Spacing, Add	*0.60*	
		For 4" Rung Spacing, Add	*1.11*	
		For 18" Rung Spacing, Deduct	*-0.10*	
		For Solid Bottom, Add	*1.70*	
		For Vented Trough Bottom, Add	*2.02*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2519	LF	9" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	8.27	2.72
		For 9" Rung Spacing, Add	*0.15*	
		For 6" Rung Spacing, Add	*0.62*	
		For 4" Rung Spacing, Add	*1.14*	
		For 18" Rung Spacing, Deduct	*-0.10*	
		For Solid Bottom, Add	*1.86*	
		For Vented Trough Bottom, Add	*2.18*	
26 05 36 00-2520	LF	12" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	9.22	3.29
		For 9" Rung Spacing, Add	*0.15*	
		For 6" Rung Spacing, Add	*0.64*	
		For 4" Rung Spacing, Add	*1.18*	
		For 18" Rung Spacing, Deduct	*-0.11*	
		For Solid Bottom, Add	*2.03*	
		For Vented Trough Bottom, Add	*2.33*	
26 05 36 00-2521	LF	18" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	11.18	4.36
		For 9" Rung Spacing, Add	*0.16*	
		For 6" Rung Spacing, Add	*0.69*	
		For 4" Rung Spacing, Add	*1.27*	
		For 18" Rung Spacing, Deduct	*-0.12*	
		For Solid Bottom, Add	*2.37*	
		For Vented Trough Bottom, Add	*2.66*	
26 05 36 00-2522	LF	24" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	13.14	5.51
		For 9" Rung Spacing, Add	*0.17*	
		For 6" Rung Spacing, Add	*0.74*	
		For 4" Rung Spacing, Add	*1.35*	
		For 18" Rung Spacing, Deduct	*-0.12*	
		For Solid Bottom, Add	*2.71*	
		For Vented Trough Bottom, Add	*2.99*	
26 05 36 00-2523	LF	30" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	14.37	6.00
		For 9" Rung Spacing, Add	*0.19*	
		For 6" Rung Spacing, Add	*0.80*	
		For 4" Rung Spacing, Add	*1.46*	
		For 18" Rung Spacing, Deduct	*-0.13*	
		For Solid Bottom, Add	*2.95*	
		For Vented Trough Bottom, Add	*3.26*	
26 05 36 00-2524	LF	36" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	15.63	6.58
		For 9" Rung Spacing, Add	*0.20*	
		For 6" Rung Spacing, Add	*0.86*	
		For 4" Rung Spacing, Add	*1.58*	
		For 18" Rung Spacing, Deduct	*-0.14*	
		For Solid Bottom, Add	*3.21*	
		For Vented Trough Bottom, Add	*3.54*	

26 05 36 00-2525 90 Degree Horizontal Elbows *(26 05 36 00-2516)*

26 05 36 00-2526	EA	6" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	40.99	16.46
		For 9" Rung Spacing, Add	*0.57*	
		For 6" Rung Spacing, Add	*2.45*	
		For 4" Rung Spacing, Add	*4.48*	
		For 18" Rung Spacing, Deduct	*-0.41*	
		For Solid Bottom, Add	*8.59*	
		For Vented Trough Bottom, Add	*9.61*	
		For 60 Degree Bend, Deduct	*-7.85*	
		For 45 Degree Bend, Deduct	*-10.88*	
		For 30 Degree Bend, Deduct	*-13.90*	
26 05 36 00-2527	EA	9" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	46.03	19.17
		For 9" Rung Spacing, Add	*0.60*	
		For 6" Rung Spacing, Add	*2.58*	
		For 4" Rung Spacing, Add	*4.74*	
		For 18" Rung Spacing, Deduct	*-0.43*	
		For Solid Bottom, Add	*9.49*	
		For Vented Trough Bottom, Add	*10.49*	
		For 60 Degree Bend, Deduct	*-8.57*	
		For 45 Degree Bend, Deduct	*-11.90*	
		For 30 Degree Bend, Deduct	*-15.24*	
26 05 36 00-2528	EA	12" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	54.37	24.11
		For 9" Rung Spacing, Add	*0.64*	
		For 6" Rung Spacing, Add	*2.72*	
		For 4" Rung Spacing, Add	*4.99*	
		For 18" Rung Spacing, Deduct	*-0.45*	
		For Solid Bottom, Add	*10.88*	
		For Vented Trough Bottom, Add	*11.79*	
		For 60 Degree Bend, Deduct	*-9.61*	
		For 45 Degree Bend, Deduct	*-13.42*	
		For 30 Degree Bend, Deduct	*-17.23*	
26 05 36 00-2529	EA	18" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	64.48	29.14
		For 9" Rung Spacing, Add	*0.73*	
		For 6" Rung Spacing, Add	*3.13*	
		For 4" Rung Spacing, Add	*5.74*	
		For 18" Rung Spacing, Deduct	*-0.52*	
		For Solid Bottom, Add	*12.80*	
		For Vented Trough Bottom, Add	*13.80*	
		For 60 Degree Bend, Deduct	*-11.25*	
		For 45 Degree Bend, Deduct	*-15.72*	
		For 30 Degree Bend, Deduct	*-20.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2530	EA	24" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	73.13	33.50
		For 9" Rung Spacing, Add	*0.80*	
		For 6" Rung Spacing, Add	*3.44*	
		For 4" Rung Spacing, Add	*6.31*	
		For 18" Rung Spacing, Deduct	*-0.57*	
		For Solid Bottom, Add	*14.41*	
		For Vented Trough Bottom, Add	*15.45*	
		For 60 Degree Bend, Deduct	*-12.59*	
		For 45 Degree Bend, Deduct	*-17.62*	
		For 30 Degree Bend, Deduct	*-22.66*	
26 05 36 00-2531	EA	30" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	79.85	35.71
		For 9" Rung Spacing, Add	*0.92*	
		For 6" Rung Spacing, Add	*3.95*	
		For 4" Rung Spacing, Add	*7.25*	
		For 18" Rung Spacing, Deduct	*-0.66*	
		For Solid Bottom, Add	*15.93*	
		For Vented Trough Bottom, Add	*17.23*	
		For 60 Degree Bend, Deduct	*-14.05*	
		For 45 Degree Bend, Deduct	*-19.62*	
		For 30 Degree Bend, Deduct	*-25.20*	
26 05 36 00-2532	EA	36" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	87.89	38.43
		For 9" Rung Spacing, Add	*1.06*	
		For 6" Rung Spacing, Add	*4.54*	
		For 4" Rung Spacing, Add	*8.33*	
		For 18" Rung Spacing, Deduct	*-0.76*	
		For Solid Bottom, Add	*17.73*	
		For Vented Trough Bottom, Add	*19.31*	
		For 60 Degree Bend, Deduct	*-15.75*	
		For 45 Degree Bend, Deduct	*-21.96*	
		For 30 Degree Bend, Deduct	*-28.18*	

26 05 36 00-2533 Inside Or Outside Vertical Risers *(26 05 36 00-2516)*

26 05 36 00-2534	EA	6" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	58.01	16.46
		For 9" Rung Spacing, Add	*1.17*	
		For 6" Rung Spacing, Add	*5.00*	
		For 4" Rung Spacing, Add	*9.16*	
		For 18" Rung Spacing, Deduct	*-0.83*	
		For Solid Bottom, Add	*13.70*	
		For Vented Trough Bottom, Add	*16.41*	
		For 60 Degree Bend, Deduct	*-13.46*	
		For 45 Degree Bend, Deduct	*-18.36*	
		For 30 Degree Bend, Deduct	*-23.26*	
26 05 36 00-2535	EA	9" Vertical Inside Or Outside Riser 90, Fiberglass	62.59	19.17
		For 9" Rung Spacing, Add	*1.18*	
		For 6" Rung Spacing, Add	*5.07*	
		For 4" Rung Spacing, Add	*9.29*	
		For 18" Rung Spacing, Deduct	*-0.84*	
		For Solid Bottom, Add	*14.46*	
		For Vented Trough Bottom, Add	*17.12*	
		For 60 Degree Bend, Deduct	*-14.03*	
		For 45 Degree Bend, Deduct	*-19.19*	
		For 30 Degree Bend, Deduct	*-24.34*	
26 05 36 00-2536	EA	12" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	70.46	24.11
		For 9" Rung Spacing, Add	*1.20*	
		For 6" Rung Spacing, Add	*5.14*	
		For 4" Rung Spacing, Add	*9.42*	
		For 18" Rung Spacing, Deduct	*-0.86*	
		For Solid Bottom, Add	*15.71*	
		For Vented Trough Bottom, Add	*18.23*	
		For 60 Degree Bend, Deduct	*-14.92*	
		For 45 Degree Bend, Deduct	*-20.50*	
		For 30 Degree Bend, Deduct	*-26.08*	
26 05 36 00-2537	EA	18" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	78.91	29.14
		For 9" Rung Spacing, Add	*1.24*	
		For 6" Rung Spacing, Add	*5.29*	
		For 4" Rung Spacing, Add	*9.70*	
		For 18" Rung Spacing, Deduct	*-0.88*	
		For Solid Bottom, Add	*17.13*	
		For Vented Trough Bottom, Add	*19.57*	
		For 60 Degree Bend, Deduct	*-16.01*	
		For 45 Degree Bend, Deduct	*-22.07*	
		For 30 Degree Bend, Deduct	*-28.13*	
26 05 36 00-2538	EA	24" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	86.41	33.50
		For 9" Rung Spacing, Add	*1.27*	
		For 6" Rung Spacing, Add	*5.43*	
		For 4" Rung Spacing, Add	*9.96*	
		For 18" Rung Spacing, Deduct	*-0.91*	
		For Solid Bottom, Add	*18.39*	
		For Vented Trough Bottom, Add	*20.76*	
		For 60 Degree Bend, Deduct	*-16.97*	
		For 45 Degree Bend, Deduct	*-23.47*	
		For 30 Degree Bend, Deduct	*-29.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2539	EA	30" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	90.65	35.71
		For 9" Rung Spacing, Add	*1.30*	
		For 6" Rung Spacing, Add	*5.57*	
		For 4" Rung Spacing, Add	*10.22*	
		For 18" Rung Spacing, Deduct	*-0.93*	
		For Solid Bottom, Add	*19.17*	
		For Vented Trough Bottom, Add	*21.55*	
		For 60 Degree Bend, Deduct	*-17.61*	
		For 45 Degree Bend, Deduct	*-24.37*	
		For 30 Degree Bend, Deduct	*-31.14*	
26 05 36 00-2540	EA	36" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	98.66	38.43
		For 9" Rung Spacing, Add	*1.44*	
		For 6" Rung Spacing, Add	*6.16*	
		For 4" Rung Spacing, Add	*11.29*	
		For 18" Rung Spacing, Deduct	*-1.03*	
		For Solid Bottom, Add	*20.96*	
		For Vented Trough Bottom, Add	*23.62*	
		For 60 Degree Bend, Deduct	*-19.31*	
		For 45 Degree Bend, Deduct	*-26.70*	
		For 30 Degree Bend, Deduct	*-34.10*	

26 05 36 00-2541 Horizontal Tees *(26 05 36 00-2516)*

26 05 36 00-2542	EA	6" Horizontal Tee, Fiberglass Cable Tray	90.47	41.14
		For 9" Rung Spacing, Add	*1.01*	
		For 6" Rung Spacing, Add	*4.31*	
		For 4" Rung Spacing, Add	*7.91*	
		For 18" Rung Spacing, Deduct	*-0.72*	
		For Solid Bottom, Add	*17.88*	
		For Vented Trough Bottom, Add	*19.22*	
26 05 36 00-2543	EA	9" Horizontal Tee, Fiberglass Cable Tray	102.31	48.31
		For 9" Rung Spacing, Add	*1.05*	
		For 6" Rung Spacing, Add	*4.48*	
		For 4" Rung Spacing, Add	*8.22*	
		For 18" Rung Spacing, Deduct	*-0.75*	
		For Solid Bottom, Add	*19.83*	
		For Vented Trough Bottom, Add	*21.01*	
26 05 36 00-2544	EA	12" Horizontal Tee, Fiberglass Cable Tray	117.43	57.60
		For 9" Rung Spacing, Add	*1.09*	
		For 6" Rung Spacing, Add	*4.65*	
		For 4" Rung Spacing, Add	*8.53*	
		For 18" Rung Spacing, Deduct	*-0.78*	
		For Solid Bottom, Add	*22.27*	
		For Vented Trough Bottom, Add	*23.21*	
26 05 36 00-2545	EA	18" Horizontal Tee, Fiberglass Cable Tray	131.25	64.77
		For 9" Rung Spacing, Add	*1.20*	
		For 6" Rung Spacing, Add	*5.12*	
		For 4" Rung Spacing, Add	*9.39*	
		For 18" Rung Spacing, Deduct	*-0.85*	
		For Solid Bottom, Add	*24.81*	
		For Vented Trough Bottom, Add	*25.80*	
26 05 36 00-2546	EA	24" Horizontal Tee, Fiberglass Cable Tray	137.86	67.48
		For 9" Rung Spacing, Add	*1.28*	
		For 6" Rung Spacing, Add	*5.50*	
		For 4" Rung Spacing, Add	*10.08*	
		For 18" Rung Spacing, Deduct	*-0.92*	
		For Solid Bottom, Add	*26.18*	
		For Vented Trough Bottom, Add	*27.31*	
26 05 36 00-2547	EA	30" Horizontal Tee, Fiberglass Cable Tray	147.46	71.35
		For 9" Rung Spacing, Add	*1.42*	
		For 6" Rung Spacing, Add	*6.07*	
		For 4" Rung Spacing, Add	*11.13*	
		For 18" Rung Spacing, Deduct	*-1.01*	
		For Solid Bottom, Add	*28.19*	
		For Vented Trough Bottom, Add	*29.56*	
26 05 36 00-2548	EA	36" Horizontal Tee, Fiberglass Cable Tray	159.93	76.86
		For 9" Rung Spacing, Add	*1.57*	
		For 6" Rung Spacing, Add	*6.71*	
		For 4" Rung Spacing, Add	*12.30*	
		For 18" Rung Spacing, Deduct	*-1.12*	
		For Solid Bottom, Add	*30.70*	
		For Vented Trough Bottom, Add	*32.29*	

26 05 36 00-2549 Horizontal Crosses *(26 05 36 00-2516)*

26 05 36 00-2550	EA	6" Horizontal Cross, Fiberglass Cable Tray	143.83	71.35
		For 9" Rung Spacing, Add	*1.29*	
		For 6" Rung Spacing, Add	*5.53*	
		For 4" Rung Spacing, Add	*10.13*	
		For 18" Rung Spacing, Deduct	*-0.92*	
		For Solid Bottom, Add	*27.10*	
		For Vented Trough Bottom, Add	*28.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2551	EA	9" Horizontal Cross, Fiberglass Cable Tray	153.14	76.86
		For 9" Rung Spacing, Add	*1.33*	
		For 6" Rung Spacing, Add	*5.69*	
		For 4" Rung Spacing, Add	*10.43*	
		For 18" Rung Spacing, Deduct	*-0.95*	
		For Solid Bottom, Add	*28.66*	
		For Vented Trough Bottom, Add	*29.58*	
26 05 36 00-2552	EA	12" Horizontal Cross, Fiberglass Cable Tray	162.47	82.38
		For 9" Rung Spacing, Add	*1.37*	
		For 6" Rung Spacing, Add	*5.85*	
		For 4" Rung Spacing, Add	*10.73*	
		For 18" Rung Spacing, Deduct	*-0.98*	
		For Solid Bottom, Add	*30.23*	
		For Vented Trough Bottom, Add	*31.04*	
26 05 36 00-2553	EA	18" Horizontal Cross, Fiberglass Cable Tray	173.81	87.81
		For 9" Rung Spacing, Add	*1.47*	
		For 6" Rung Spacing, Add	*6.32*	
		For 4" Rung Spacing, Add	*11.59*	
		For 18" Rung Spacing, Deduct	*-1.05*	
		For Solid Bottom, Add	*32.39*	
		For Vented Trough Bottom, Add	*33.31*	
26 05 36 00-2554	EA	24" Horizontal Cross, Fiberglass Cable Tray	184.43	93.32
		For 9" Rung Spacing, Add	*1.56*	
		For 6" Rung Spacing, Add	*6.68*	
		For 4" Rung Spacing, Add	*12.25*	
		For 18" Rung Spacing, Deduct	*-1.11*	
		For Solid Bottom, Add	*34.34*	
		For Vented Trough Bottom, Add	*35.30*	
26 05 36 00-2555	EA	30" Horizontal Cross, Fiberglass Cable Tray	196.59	98.83
		For 9" Rung Spacing, Add	*1.70*	
		For 6" Rung Spacing, Add	*7.27*	
		For 4" Rung Spacing, Add	*13.33*	
		For 18" Rung Spacing, Deduct	*-1.21*	
		For Solid Bottom, Add	*36.76*	
		For Vented Trough Bottom, Add	*37.90*	
26 05 36 00-2556	EA	36" Horizontal Cross, Fiberglass Cable Tray	212.38	105.91
		For 9" Rung Spacing, Add	*1.87*	
		For 6" Rung Spacing, Add	*8.03*	
		For 4" Rung Spacing, Add	*14.73*	
		For 18" Rung Spacing, Deduct	*-1.34*	
		For Solid Bottom, Add	*39.89*	
		For Vented Trough Bottom, Add	*41.27*	

26 05 36 00-2557 Horizontal Wyes *(26 05 36 00-2516)*

26 05 36 00-2558	EA	6" Horizontal Wye, Fiberglass Cable Tray	87.57	41.14
		For 9" Rung Spacing, Add	*0.90*	
		For 6" Rung Spacing, Add	*3.88*	
		For 4" Rung Spacing, Add	*7.11*	
		For 18" Rung Spacing, Deduct	*-0.65*	
		For Solid Bottom, Add	*17.01*	
		For Vented Trough Bottom, Add	*18.06*	
26 05 36 00-2559	EA	9" Horizontal Wye, Fiberglass Cable Tray	92.73	43.94
		For 9" Rung Spacing, Add	*0.94*	
		For 6" Rung Spacing, Add	*4.03*	
		For 4" Rung Spacing, Add	*7.39*	
		For 18" Rung Spacing, Deduct	*-0.67*	
		For Solid Bottom, Add	*17.94*	
		For Vented Trough Bottom, Add	*18.99*	
26 05 36 00-2560	EA	12" Horizontal Wye, Fiberglass Cable Tray	114.32	57.60
		For 9" Rung Spacing, Add	*0.98*	
		For 6" Rung Spacing, Add	*4.19*	
		For 4" Rung Spacing, Add	*7.68*	
		For 18" Rung Spacing, Deduct	*-0.70*	
		For Solid Bottom, Add	*21.34*	
		For Vented Trough Bottom, Add	*21.97*	
26 05 36 00-2561	EA	18" Horizontal Wye, Fiberglass Cable Tray	127.83	64.77
		For 9" Rung Spacing, Add	*1.08*	
		For 6" Rung Spacing, Add	*4.61*	
		For 4" Rung Spacing, Add	*8.45*	
		For 18" Rung Spacing, Deduct	*-0.77*	
		For Solid Bottom, Add	*23.78*	
		For Vented Trough Bottom, Add	*24.43*	
26 05 36 00-2562	EA	24" Horizontal Wye, Fiberglass Cable Tray	134.12	67.48
		For 9" Rung Spacing, Add	*1.15*	
		For 6" Rung Spacing, Add	*4.94*	
		For 4" Rung Spacing, Add	*9.05*	
		For 18" Rung Spacing, Deduct	*-0.82*	
		For Solid Bottom, Add	*25.05*	
		For Vented Trough Bottom, Add	*25.81*	
26 05 36 00-2563	EA	30" Horizontal Wye, Fiberglass Cable Tray	143.41	71.35
		For 9" Rung Spacing, Add	*1.28*	
		For 6" Rung Spacing, Add	*5.46*	
		For 4" Rung Spacing, Add	*10.02*	
		For 18" Rung Spacing, Deduct	*-0.91*	
		For Solid Bottom, Add	*26.98*	
		For Vented Trough Bottom, Add	*27.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2564	EA	36" Horizontal Wye, Fiberglass Cable Tray	155.46	76.86
		For 9" Rung Spacing, Add	*1.41*	
		For 6" Rung Spacing, Add	*6.04*	
		For 4" Rung Spacing, Add	*11.07*	
		For 18" Rung Spacing, Deduct	*-1.01*	
		For Solid Bottom, Add	*29.36*	
		For Vented Trough Bottom, Add	*30.50*	

26 05 36 00-2565 Straight Reducers *(26 05 36 00-2516)*

26 05 36 00-2566	EA	9"-6" Reducer, Fiberglass Cable Tray	39.33	16.46
		For 9" Rung Spacing, Add	*0.51*	
		For 6" Rung Spacing, Add	*2.20*	
		For 4" Rung Spacing, Add	*4.03*	
		For 18" Rung Spacing, Deduct	*-0.37*	
		For Solid Bottom, Add	*8.10*	
		For Vented Trough Bottom, Add	*8.94*	
26 05 36 00-2567	EA	12"-9" Reducer, Fiberglass Cable Tray	43.65	19.17
		For 9" Rung Spacing, Add	*0.52*	
		For 6" Rung Spacing, Add	*2.23*	
		For 4" Rung Spacing, Add	*4.08*	
		For 18" Rung Spacing, Deduct	*-0.37*	
		For Solid Bottom, Add	*8.78*	
		For Vented Trough Bottom, Add	*9.54*	
26 05 36 00-2568	EA	18"-12" Reducer, Fiberglass Cable Tray	47.96	21.97
		For 9" Rung Spacing, Add	*0.53*	
		For 6" Rung Spacing, Add	*2.26*	
		For 4" Rung Spacing, Add	*4.14*	
		For 18" Rung Spacing, Deduct	*-0.38*	
		For Solid Bottom, Add	*9.45*	
		For Vented Trough Bottom, Add	*10.13*	
26 05 36 00-2569	EA	24"-18" Reducer, Fiberglass Cable Tray	51.78	24.11
		For 9" Rung Spacing, Add	*0.54*	
		For 6" Rung Spacing, Add	*2.34*	
		For 4" Rung Spacing, Add	*4.28*	
		For 18" Rung Spacing, Deduct	*-0.39*	
		For Solid Bottom, Add	*10.10*	
		For Vented Trough Bottom, Add	*10.75*	
26 05 36 00-2570	EA	30"-24" Reducer, Fiberglass Cable Tray	57.66	26.33
		For 9" Rung Spacing, Add	*0.64*	
		For 6" Rung Spacing, Add	*2.72*	
		For 4" Rung Spacing, Add	*4.99*	
		For 18" Rung Spacing, Deduct	*-0.45*	
		For Solid Bottom, Add	*11.37*	
		For Vented Trough Bottom, Add	*12.20*	
26 05 36 00-2571	EA	36"-30" Reducer, Fiberglass Cable Tray	64.72	29.14
		For 9" Rung Spacing, Add	*0.74*	
		For 6" Rung Spacing, Add	*3.17*	
		For 4" Rung Spacing, Add	*5.80*	
		For 18" Rung Spacing, Deduct	*-0.53*	
		For Solid Bottom, Add	*12.87*	
		For Vented Trough Bottom, Add	*13.89*	

26 05 36 00-2572 Vertical Tees *(26 05 36 00-2516)*

26 05 36 00-2573	EA	6" Vertical Tee, Fiberglass Cable Tray	116.63	41.14
		For 9" Rung Spacing, Add	*1.92*	
		For 6" Rung Spacing, Add	*8.24*	
		For 4" Rung Spacing, Add	*15.10*	
		For 18" Rung Spacing, Deduct	*-1.37*	
		For Solid Bottom, Add	*25.73*	
		For Vented Trough Bottom, Add	*29.68*	
26 05 36 00-2574	EA	9" Vertical Tee, Fiberglass Cable Tray	121.42	43.94
		For 9" Rung Spacing, Add	*1.95*	
		For 6" Rung Spacing, Add	*8.34*	
		For 4" Rung Spacing, Add	*15.29*	
		For 18" Rung Spacing, Deduct	*-1.39*	
		For Solid Bottom, Add	*26.55*	
		For Vented Trough Bottom, Add	*30.46*	
26 05 36 00-2575	EA	12" Vertical Tee, Fiberglass Cable Tray	142.66	57.60
		For 9" Rung Spacing, Add	*1.97*	
		For 6" Rung Spacing, Add	*8.44*	
		For 4" Rung Spacing, Add	*15.47*	
		For 18" Rung Spacing, Deduct	*-1.41*	
		For Solid Bottom, Add	*29.84*	
		For Vented Trough Bottom, Add	*33.30*	
26 05 36 00-2576	EA	18" Vertical Tee, Fiberglass Cable Tray	154.92	64.77
		For 9" Rung Spacing, Add	*2.02*	
		For 6" Rung Spacing, Add	*8.67*	
		For 4" Rung Spacing, Add	*15.90*	
		For 18" Rung Spacing, Deduct	*-1.45*	
		For Solid Bottom, Add	*31.91*	
		For Vented Trough Bottom, Add	*35.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2577	EA	24" Vertical Tee, Fiberglass Cable Tray	160.49	67.48
		For 9" Rung Spacing, Add	*2.07*	
		For 6" Rung Spacing, Add	*8.89*	
		For 4" Rung Spacing, Add	*16.30*	
		For 18" Rung Spacing, Deduct	*-1.48*	
		For Solid Bottom, Add	*32.96*	
		For Vented Trough Bottom, Add	*36.36*	
26 05 36 00-2578	EA	30" Vertical Tee, Fiberglass Cable Tray	167.60	71.35
		For 9" Rung Spacing, Add	*2.12*	
		For 6" Rung Spacing, Add	*9.09*	
		For 4" Rung Spacing, Add	*16.67*	
		For 18" Rung Spacing, Deduct	*-1.52*	
		For Solid Bottom, Add	*34.23*	
		For Vented Trough Bottom, Add	*37.62*	
26 05 36 00-2579	EA	36" Vertical Tee, Fiberglass Cable Tray	182.18	76.86
		For 9" Rung Spacing, Add	*2.34*	
		For 6" Rung Spacing, Add	*10.05*	
		For 4" Rung Spacing, Add	*18.42*	
		For 18" Rung Spacing, Deduct	*-1.67*	
		For Solid Bottom, Add	*37.37*	
		For Vented Trough Bottom, Add	*41.19*	

26 05 39 Underfloor Raceways for Electrical Systems *(26 05)*

26 05 39 00-0001 Underfloor Ducts *(26 05 39)*

26 05 39 00-0002 Straight Duct Sections 10' Long, 14 Gauge Steel *(26 05 39 00-0001)*

26 05 39 00-0003 Standard Ducts, 3.8 Square Inches *(26 05 39 00-0002)*

26 05 39 00-0004	EA	Standard Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 3.8 Square Inches	70.78	14.48
26 05 39 00-0005	EA	Standard Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 3.8 Square Inches	89.12	16.95

26 05 39 00-0006 Large Capacity Ducts, 8.9 Square Inches *(26 05 39 00-0002)*

26 05 39 00-0007	EA	Large Capacity Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 8.9 Square Inches	117.99	18.35
26 05 39 00-0008	EA	Large Capacity Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 8.9 Square Inches	135.15	20.33

26 05 39 00-0009 Junction Boxes *(26 05 39 00-0001)*

26 05 39 00-0010 One Level Junction Boxes *(26 05 39 00-0009)*

26 05 39 00-0011	EA	1 Level UF Duct Junction Box, 1 Standard Duct Without Partitions In Box	179.85	28.80
26 05 39 00-0012	EA	1 Level UF Duct Junction Box, 1 Large Duct Without Partitions In Box	203.62	30.86
26 05 39 00-0013	EA	1 Level UF Duct Junction Box, 1 Standard And Large Duct Per Side With Partitions In Box Note: Isolate each duct and form a continuous raceway through the box in both directions.	327.77	28.80
26 05 39 00-0014	EA	1 Level UF Duct Junction Box, 2 Standard Ducts Per Side With Partitions In Box	222.92	30.86
26 05 39 00-0015	EA	1 Level UF Duct Junction Box, 3 Standard Ducts Per Side With Partitions In Box	353.91	40.57
26 05 39 00-0016	EA	1 Level UF Duct Junction Box, 2 Large Ducts Per Side With Partitions In Box Duct	496.70	44.11

26 05 39 00-0017 Two Level Junction Boxes *(26 05 39 00-0009)*

26 05 39 00-0018	EA	2 Level UF Duct Junction Box, 2 Standard Duct Cross, Intersects At Right Angles, Raceway Bottom Level Note: Accepts two standard ducts to form a continuous raceway at right angles to the top level raceway.	757.14	29.14
26 05 39 00-0019	EA	2 Level UF Duct Junction Box, 2 Large Duct Bottom Level: Accepts Two Large Capacity Ducts	871.18	30.86

26 05 39 00-0020 Elbow Fittings *(26 05 39 00-0001)*

26 05 39 00-0021 90 Degree Horizontal Elbow *(26 05 39 00-0020)*

26 05 39 00-0022	EA	Underfloor Standard Duct Horizontal Elbow Fitting, 90 Degree	87.87	10.61
26 05 39 00-0023	EA	Underfloor Large Duct Horizontal Elbow Fitting, 90 Degree	90.52	10.61

26 05 39 00-0024 90 Degree Vertical Elbow *(26 05 39 00-0020)*

26 05 39 00-0025	EA	Underfloor Standard Duct Vertical Elbow Fitting, 90 Degree	49.28	10.61
26 05 39 00-0026	EA	Underfloor Large Duct Vertical Elbow Fitting, 90 Degree	50.34	10.61

26 05 39 00-0027 Offset Elbow *(26 05 39 00-0020)*

Note: Two elbows required for crossover or crossunder.

26 05 39 00-0028	EA	Underfloor Standard Duct Offset Elbow 45 Degree, 2 Required For Over-Under	49.28	12.35
26 05 39 00-0029	EA	Underfloor Large Duct Offset Elbow 45 Degree, 2 Required For Over-Under	50.34	12.35

26 05 39 00-0030 Couplings *(26 05 39 00-0001)*

26 05 39 00-0031 Sleeve Couplings *(26 05 39 00-0030)*

26 05 39 00-0032	EA	Underfloor Standard Duct Sleeve Coupling	31.83	16.46
26 05 39 00-0033	EA	Underfloor Large Duct Sleeve Coupling	49.56	16.46

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 39 00-0034		**Expansion Couplings** *(26 05 39 00-0030)*		
26 05 39 00-0035	EA	Underfloor Standard Duct Expansion Coupling	70.69	16.46
26 05 39 00-0036	EA	Underfloor Large Duct Expansion Coupling	72.01	17.36
26 05 39 00-0037		**Reducing Couplings** *(26 05 39 00-0030)*		
26 05 39 00-0038	EA	Reducing Coupling, Large To Standard Duct Underfloor Duct Coupling	68.16	2.47
26 05 39 00-0039		**Duct Supports** *(26 05 39 00-0001)*		
26 05 39 00-0040		**Combination Support And Coupling** *(26 05 39 00-0039)*		
		Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0041	EA	1 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	73.02	34.56
26 05 39 00-0042	EA	2 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	81.43	34.56
26 05 39 00-0043	EA	3 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	89.91	34.56
26 05 39 00-0044	EA	1 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	81.43	38.68
26 05 39 00-0045	EA	2 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	98.58	38.68
26 05 39 00-0046	EA	1 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet	89.91	41.14
26 05 39 00-0047	EA	2 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet	89.91	41.14
26 05 39 00-0048	EA	1 Standard And 2 Large Duct Support And Coupling With Leveling Legs And Anchor Feet	98.58	41.14
26 05 39 00-0049		**Duct Support Only** *(26 05 39 00-0039)*		
		Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0050	EA	1 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	65.78	30.45
26 05 39 00-0051	EA	2 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	77.37	30.45
26 05 39 00-0052	EA	3 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	89.83	30.45
26 05 39 00-0053		**Underfloor Duct Accessories** *(26 05 39 00-0001)*		
26 05 39 00-0054		**Plugs For Unused Junction Box Openings And Duct Ends** *(26 05 39 00-0053)*		
26 05 39 00-0055	EA	Standard Plugs For Unused Junction Box Opening And Underfloor Duct Ends	6.42	2.47
26 05 39 00-0056	EA	Large Plugs For Unused Junction Box Opening And Underfloor Duct Ends	6.86	2.47
26 05 39 00-0057		**Conduit Adapters** *(26 05 39 00-0053)*		
26 05 39 00-0058	EA	One 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	26.15	4.12
26 05 39 00-0059	EA	Two 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	27.80	4.12
26 05 39 00-0060	EA	One 2" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	27.00	4.12
26 05 39 00-0061	EA	Three 1-1/4" Conduit To Large Duct Underfloor Conduit To Duct, Adapter	27.86	4.12
26 05 39 00-0062		**Holders And Caps** *(26 05 39 00-0053)*		
26 05 39 00-0063	EA	Tile Holder, Underfloor Duct Accessories	169.52	34.56
26 05 39 00-0064	EA	Terrazzo Holder, Underfloor Duct Accessories	322.38	34.56
26 05 39 00-0065	EA	Closing Caps For Inserts, Underfloor Duct Accessories	2.21	0.82
26 05 39 00-0066		**Underfloor Dust Pans** *(26 05 39 00-0001)*		
26 05 39 00-0067	EA	Underfloor Dust Carpet Pan	73.24	4.51

26 05 43 Underground Ducts And Raceways For Electrical Systems *(26 05)*

Note: Underground utilities and conduits include warning tape.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0001		**Duct Bank** *(26 05 43)*		
		Note: Installation of single or multiple configuration underground utility raceways to have 3" concrete leveling base and encased in concrete envelope. Based on 100' run, minimum 30" bury depth. Labor units include material handling, unloading at job site, layout of job, measuring, cutting and fabrication, installation in trench using the appropriate supports, cleaning to remove any obstructions and installation of nylon pull string. Excludes trenching, concrete, backfilling, grading and seeding. Duct Banks are to be installed according to the appropriate sections of the accompanying specifications. Individual rows to be stacked for larger duct bank configurations.		
26 05 43 00-0002		**Rigid Galvanized Steel Conduit, Galvanized Rigid Conduit (GRC) Or Rigid Galvanized Steel (RGS), Duct Bank** *(26 05 43 00-0001)*		
		Note: Includes appropriate spacers and fittings.		
26 05 43 00-0003	LF	2 At 2", Rigid Galvanized Conduit Duct Bank	21.21	
26 05 43 00-0004	LF	4 At 2", Rigid Galvanized Conduit Duct Bank	42.45	
26 05 43 00-0005	LF	2 At 3", Rigid Galvanized Conduit Duct Bank	43.48	
26 05 43 00-0006	LF	4 At 3", Rigid Galvanized Conduit Duct Bank	87.18	
26 05 43 00-0007	LF	2 At 4", Rigid Galvanized Conduit Duct Bank	63.94	
26 05 43 00-0008	LF	4 At 4", Rigid Galvanized Conduit Duct Bank	128.64	
26 05 43 00-0009	LF	6 At 4", Rigid Galvanized Conduit Duct Bank	193.55	
26 05 43 00-0010	LF	2 At 5", Rigid Galvanized Conduit Duct Bank	118.43	
26 05 43 00-0011	LF	4 At 5", Rigid Galvanized Conduit Duct Bank	236.10	
26 05 43 00-0012	LF	6 At 5", Rigid Galvanized Conduit Duct Bank	364.07	
26 05 43 00-0013	LF	2 At 6", Rigid Galvanized Conduit Duct Bank	168.47	
26 05 43 00-0014	LF	4 At 6", Rigid Galvanized Conduit Duct Bank	338.14	
26 05 43 00-0015	LF	6 At 6", Rigid Galvanized Conduit Duct Bank	502.65	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0016		Polyvinyl Chloride (PVC), Type EB Duct Bank System *(26 05 43 00-0001)*		
		Note: Includes appropriate spacers and fittings.		
26 05 43 00-0017	LF	1 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	5.11	
26 05 43 00-0018	LF	2 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	11.28	
26 05 43 00-0019	LF	4 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	21.60	
26 05 43 00-0020	LF	1 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	6.75	
26 05 43 00-0021	LF	2 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	13.49	
26 05 43 00-0022	LF	4 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	27.41	
26 05 43 00-0023	LF	1 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	8.95	
26 05 43 00-0024	LF	2 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	17.91	
26 05 43 00-0025	LF	4 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	35.85	
26 05 43 00-0026	LF	6 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	53.76	
26 05 43 00-0027	LF	1 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	11.19	
26 05 43 00-0028	LF	2 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	22.37	
26 05 43 00-0029	LF	4 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	43.22	
26 05 43 00-0030	LF	6 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	61.05	
26 05 43 00-0031	LF	1 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	20.16	
26 05 43 00-0032	LF	2 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	30.18	
26 05 43 00-0033	LF	4 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	60.51	
26 05 43 00-0034	LF	6 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	98.33	
26 05 43 00-0035		Polyvinyl Chloride (PVC), Type DB Duct Bank System *(26 05 43 00-0001)*		
		Note: Includes appropriate spacers and fittings.		
26 05 43 00-0036	LF	1 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	5.67	
26 05 43 00-0037	LF	2 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	12.45	
26 05 43 00-0038	LF	4 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	23.78	
26 05 43 00-0039	LF	1 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	6.98	
26 05 43 00-0040	LF	2 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	13.95	
26 05 43 00-0041	LF	4 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	27.83	
26 05 43 00-0042	LF	1 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	9.12	
26 05 43 00-0043	LF	2 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	18.25	
26 05 43 00-0044	LF	4 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	36.53	
26 05 43 00-0045	LF	6 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	54.77	
26 05 43 00-0046	LF	1 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	11.44	
26 05 43 00-0047	LF	2 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	22.88	
26 05 43 00-0048	LF	4 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	44.24	
26 05 43 00-0049	LF	6 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	62.58	
26 05 43 00-0050	LF	1 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	20.51	
26 05 43 00-0051	LF	2 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	30.91	
26 05 43 00-0052	LF	4 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	61.98	
26 05 43 00-0053	LF	6 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	100.53	
26 05 43 00-0054		Male Or Female Adapters *(26 05 43 00-0001)*		
26 05 43 00-0055	EA	2" Adapter	28.34	
26 05 43 00-0056	EA	3" Adapter	40.81	
26 05 43 00-0057	EA	4" Adapter	52.73	
26 05 43 00-0058	EA	5" Adapter	80.63	
26 05 43 00-0059	EA	6" Adapter	99.74	

26 05 46 Utility Poles for Electrical Systems *(26 05)*

26 05 46 00-0001 Wood Poles *(26 05 46)*

26 05 46 00-0002 Wood Pole, Class 3, Penta-Treated To 8 LB Retention *(26 05 46 00-0001)*

Note: Machine dig and set.

26 05 46 00-0003	EA	25' Treated Wood Pole, Class 3, Machine Dig And Set	689.12	217.63
		For Class 1 Pole, Add	*88.83*	
		For Class 2 Pole, Add	*50.76*	
		For Class 4 Pole, Deduct	*-25.38*	
		For Class 5 Pole, Deduct	*-76.14*	
		For Class 6 Pole, Deduct	*-101.52*	
26 05 46 00-0004	EA	30' Treated Wood Pole, Class 3, Machine Dig And Set	827.52	241.45
		For Class 1 Pole, Add	*120.60*	
		For Class 2 Pole, Add	*68.91*	
		For Class 4 Pole, Deduct	*-34.46*	
		For Class 5 Pole, Deduct	*-103.37*	
		For Class 6 Pole, Deduct	*-137.83*	
26 05 46 00-0005	EA	35' Treated Wood Pole, Class 3, Machine Dig And Set	1,071.89	319.35
		For Class 1 Pole, Add	*151.65*	
		For Class 2 Pole, Add	*86.66*	
		For Class 4 Pole, Deduct	*-43.33*	
		For Class 5 Pole, Deduct	*-129.99*	
		For Class 6 Pole, Deduct	*-173.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0006	EA	40' Treated Wood Pole, Class 3, Machine Dig And Set	1,228.61	351.25
		For Class 1 Pole, Add	*184.15*	
		For Class 2 Pole, Add	*105.23*	
		For Class 4 Pole, Deduct	*-52.61*	
		For Class 5 Pole, Deduct	*-157.84*	
		For Class 6 Pole, Deduct	*-210.46*	
26 05 46 00-0007	EA	45' Treated Wood Pole, Class 3, Machine Dig And Set	1,405.61	391.21
		For Class 1 Pole, Add	*218.09*	
		For Class 2 Pole, Add	*124.62*	
		For Class 4 Pole, Deduct	*-62.31*	
		For Class 5 Pole, Deduct	*-186.94*	
		For Class 6 Pole, Deduct	*-249.25*	
26 05 46 00-0008	EA	50' Treated Wood Pole, Class 3, Machine Dig And Set	1,600.24	439.05
		For Class 1 Pole, Add	*252.76*	
		For Class 2 Pole, Add	*144.43*	
		For Class 4 Pole, Deduct	*-72.22*	
		For Class 5 Pole, Deduct	*-216.65*	
		For Class 6 Pole, Deduct	*-288.86*	
26 05 46 00-0009	EA	55' Treated Wood Pole, Class 3, Machine Dig And Set	1,791.21	482.91
		For Class 1 Pole, Add	*288.86*	
		For Class 2 Pole, Add	*165.06*	
		For Class 4 Pole, Deduct	*-82.53*	
		For Class 5 Pole, Deduct	*-247.60*	
		For Class 6 Pole, Deduct	*-330.13*	
26 05 46 00-0010	EA	60' Treated Wood Pole, Class 3, Machine Dig And Set	2,003.01	531.04
		For Class 1 Pole, Add	*329.30*	
		For Class 2 Pole, Add	*188.17*	
		For Class 4 Pole, Deduct	*-94.09*	
		For Class 5 Pole, Deduct	*-282.26*	
		For Class 6 Pole, Deduct	*-376.35*	
26 05 46 00-0011	EA	65' Treated Wood Pole, Class 3, Machine Dig And Set	3,325.54	578.79
		For Class 1 Pole, Add	*758.77*	
		For Class 2 Pole, Add	*433.58*	
		For Class 4 Pole, Deduct	*-216.79*	
		For Class 5 Pole, Deduct	*-650.38*	
		For Class 6 Pole, Deduct	*-867.17*	
26 05 46 00-0012	EA	70' Treated Wood Pole, Class 3, Machine Dig And Set	3,655.07	615.70
		For Class 1 Pole, Add	*848.28*	
		For Class 2 Pole, Add	*484.73*	
		For Class 4 Pole, Deduct	*-242.37*	
		For Class 5 Pole, Deduct	*-727.10*	
		For Class 6 Pole, Deduct	*-969.46*	
26 05 46 00-0013	EA	75' Treated Wood Pole, Class 3, Machine Dig And Set	4,020.80	657.61
		For Class 1 Pole, Add	*946.94*	
		For Class 2 Pole, Add	*541.11*	
		For Class 4 Pole, Deduct	*-270.55*	
		For Class 5 Pole, Deduct	*-811.66*	
		For Class 6 Pole, Deduct	*-1,082.22*	

26 05 46 00-0014 Removal And Relocation Of Wood Poles With Cross Arm *(26 05 46 00-0001)*

26 05 46 00-0015	LF	Remove And Relocate Wood Pole With Cross Arms, Up To 75'	18.55	

26 05 46 00-0016 Crossarms *(26 05 46)*

Note: Includes hardware and braces.

26 05 46 00-0017 Wood Single Arm Crossarms *(26 05 46 00-0016)*

26 05 46 00-0018	EA	3-1/2" x 4-1/2" x 5'-7", Single Arm Wood Crossarm, With Hardware And Braces	151.21	64.91
26 05 46 00-0019	EA	3-1/2" x 4-1/2" x 8'-0", Single Arm Wood Crossarm, With Hardware And Braces	183.57	64.91
26 05 46 00-0020	EA	3-3/4" x 4-3/4" x 10'-0", Single Arm Wood Crossarm, With Hardware And Braces	193.15	83.45

26 05 46 00-0021 Wood Double Arm Crossarms *(26 05 46 00-0016)*

26 05 46 00-0022	EA	3-1/2" x 4-1/2" x 5'-7", Double Arm Wood Crossarm, With Hardware And Braces	392.14	180.82
26 05 46 00-0023	EA	3-1/2" x 4-1/2" x 8'-0", Double Arm Wood Crossarm, With Hardware And Braces	416.78	180.82
26 05 46 00-0024	EA	3-3/4" x 4-3/4" x 10'-0", Double Arm Wood Crossarm, With Hardware And Braces	434.65	180.82

26 05 46 00-0025 Fiberglass Crossarms *(26 05 46 00-0016)*

Note: Includes hardware.

26 05 46 00-0026 Single Phase, 15 Degree Angle *(26 05 46 00-0025)*

26 05 46 00-0027	EA	Fiberglass Cutout And Arrestor Bracket, 18", Minimum Ultimate Load 800 LB	155.01	
26 05 46 00-0028	EA	Fiberglass Insulator Bracket, 14", 11/16" Diameter Hole, Minimum Ultimate Load 1,200 LB	199.37	38.95
26 05 46 00-0029	EA	Fiberglass Insulator Bracket, 14", 1" Lead Threaded, Minimum Ultimate Load 1,200 LB	208.64	41.73

26 05 46 00-0030 Two Phase, 15 Degree Angle *(26 05 46 00-0025)*

26 05 46 00-0031	EA	Fiberglass Insulator Bracket, 36", Minimum Ultimate Load 1,200 LB	249.94	50.07

26 05 46 00-0032 Fiberglass Crossarm Accessories *(26 05 46 00-0025)*

26 05 46 00-0033	EA	Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 7,000 LB Per Conductor	392.24	63.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0034	EA	Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 12,000 LB Per Conductor	466.61	77.89
26 05 46 00-0035	EA	Pole Top Pin, Hot Dip Galvanized, 18", 1" Lead Threaded	68.21	11.13
26 05 46 00-0036	EA	Three Phase Equipment Mounting Bracket	341.08	55.64
26 05 46 00-0037	EA	Fiberglass Bull Horn Crossarm	278.82	92.73
26 05 46 00-0038		Insulator Support System *(26 05 46 00-0016)*		
26 05 46 00-0039		Epoxy Construction Units, In Place Mounting *(26 05 46 00-0038)*		
		Note: Includes hardware.		
26 05 46 00-0040	EA	1-1/2" Diameter x 19" Long Pole Side Pins Vertical (1 Arm Installed), In Place Mounting	83.87	
26 05 46 00-0041	EA	1-1/2" Diameter x 15" Long Pole Top Pins, In Place Mounting	66.39	
26 05 46 00-0042	EA	Deadend Arms, In Place Mounting	174.24	
26 05 46 00-0043	EA	1-1/2" Diameter x 18" Long Pole Side Pins Vertical (2 Arms Installed), In Place Mounting	130.26	
26 05 46 00-0044		Epoxy Construction Units, Grounding Mounting *(26 05 46 00-0038)*		
		Note: Includes hardware.		
26 05 46 00-0045	EA	1-1/2" Diameter x 18" Long Pole Side Pins Vertical, Grounding Mounting	57.03	
26 05 46 00-0046	EA	1-1/2" Diameter x 15" Long Pole Top Pins, Grounding Mounting	48.50	
26 05 46 00-0047	EA	Deadend Arms, Grounding Mounting	156.35	
26 05 46 00-0048		Guying *(26 05 46)*		
		Note: Includes cable, anchor and rod assembly, guy marker.		
26 05 46 00-0049		Down Guy *(26 05 46 00-0048)*		
26 05 46 00-0050	EA	Down Guy For 25' To 40' Pole	617.31	259.63
26 05 46 00-0051	EA	Down Guy For 45' To 60' Pole	626.75	259.63
26 05 46 00-0052	EA	Down Guy For 65' To 75' Pole	646.16	259.63
26 05 46 00-0053	EA	Guy Guard, Plastic	22.03	
26 05 46 00-0054		Head Guy, 50' Spans *(26 05 46 00-0048)*		
26 05 46 00-0055	EA	Head Guy (50' Span), For 25' To 40' Pole	901.62	398.72
26 05 46 00-0056	EA	Head Guy (50' Span), For 45' To 60' Pole	901.62	398.72
26 05 46 00-0057	EA	Head Guy (50' Span), For 65' To 75' Pole	901.62	398.72
26 05 46 00-0058		Guy Strain Insulators Additional Insulators *(26 05 46 00-0048)*		
		Note: As required at same material cost and labor.		
26 05 46 00-0059	EA	Guy Strain Insulator	392.30	194.73
26 05 46 00-0060		Pole Anchor *(26 05 46 00-0048)*		
		Note: Joslyn.		
26 05 46 00-0061	EA	Pole Anchor, 4" Helix, 3/4" x 54" Shaft	57.42	
26 05 46 00-0062	EA	Pole Anchor, 6" Helix, 3/4" x 66" Shaft	62.10	
26 05 46 00-0063	EA	Pole Anchor, 8" Helix, 1" x 66" Shaft	73.10	
26 05 46 00-0064	EA	Pole Anchor, 10" Helix, 1-1/4" x 66" Shaft	92.40	
26 05 46 00-0065	EA	Pole Anchor, 10" Helix, 1-1/4" x 8' Shaft	121.28	
26 05 46 00-0066	EA	Pole Anchor, 16" Helix, 1-1/4" x 8' Shaft	163.63	
26 05 46 00-0067		Insulators *(26 05 46)*		
26 05 46 00-0068		Pin Insulator With Pin *(26 05 46 00-0067)*		
26 05 46 00-0069	EA	5 KV Class 55-3, Pin Insulator With Pin	124.86	55.64
26 05 46 00-0070	EA	15 KV Class 55-5, Pin Insulator With Pin	128.69	55.64
26 05 46 00-0071		Suspension Insulator *(26 05 46 00-0067)*		
		Note: Includes clevis and strain clamp.		
26 05 46 00-0072	EA	5 KV Class 52-2, Suspension Insulator, With Clevis And Strain Clamp	158.89	74.18
26 05 46 00-0073	EA	15 KV Class 52-4, Suspension Insulator, With Clevis And Strain Clamp	169.31	74.18
26 05 46 00-0074	EA	25 KV Class 2 x 52-4, Suspension Insulator, With Clevis And Strain Clamp	238.21	92.73
26 05 46 00-0075	EA	50 KV Class 4 x 52-4, Suspension Insulator, With Clevis And Strain Clamp	378.29	148.36
26 05 46 00-0076		Spool Insulator With Clevis *(26 05 46 00-0067)*		
26 05 46 00-0077	EA	5 KV Class 53-5, Spool Insulator With Clevis	52.91	23.18
26 05 46 00-0078	EA	15 KV Class, Spool Insulator With Clevis	169.85	83.45
26 05 46 00-0079	EA	25 KV Class, Spool Insulator With Clevis	220.21	83.45
26 05 46 00-0080		Secondary Rack *(26 05 46 00-0067)*		
26 05 46 00-0081	EA	1 Spool Secondary Rack	105.06	46.36
26 05 46 00-0082	EA	2 Spool Secondary Rack	108.42	59.16
26 05 46 00-0083	EA	3 Spool Secondary Rack	162.32	78.81
26 05 46 00-0084	EA	4 Spool Secondary Rack	182.34	78.81

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0085		Outdoor Load Break Switches *(26 05 46)*		
		Note: 3-Phase, group operated, 3-insulator, vertical break, high strength pin insulators worm gear operating mechanism operating rods, mechanisms, and switch bases are galvanized steel.		
26 05 46 00-0086		7.2 KV Outdoor Load Break Switches *(26 05 46 00-0085)*		
26 05 46 00-0087	EA	600 Amp, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	2,721.80	315.27
26 05 46 00-0088	EA	1,200 Amp, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	5,242.80	315.27
26 05 46 00-0089	EA	1,600 Amp, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	7,800.19	533.17
26 05 46 00-0090	EA	2,000 Amp, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	7,991.92	533.17
26 05 46 00-0091		14.4 KV Outdoor Load Break Switches *(26 05 46 00-0085)*		
26 05 46 00-0092	EA	600 Amp, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	3,300.35	315.27
26 05 46 00-0093	EA	1,200 Amp, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	6,171.30	315.27
26 05 46 00-0094	EA	1,600 Amp, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	7,800.19	533.17
26 05 46 00-0095	EA	2,000 Amp, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	7,991.92	533.17
26 05 46 00-0096		23 KV Outdoor Load Break Switches *(26 05 46 00-0085)*		
26 05 46 00-0097	EA	600 Amp, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	3,646.61	366.27
26 05 46 00-0098	EA	1,200 Amp, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	6,758.96	366.27
26 05 46 00-0099	EA	1,600 Amp, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	8,179.90	630.53
26 05 46 00-0100	EA	2,000 Amp, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	8,377.92	630.53
26 05 46 00-0101		Square Distribution Poles *(26 05 46)*		
26 05 46 00-0102		Square Steel Tapered Shaft Distribution Poles *(26 05 46 00-0101)*		
26 05 46 00-0103	EA	20', Steel Taped Shaft Distribution Pole	2,103.84	394.08
26 05 46 00-0104	EA	25', Steel Taped Shaft Distribution Pole	2,353.68	417.27
26 05 46 00-0105	EA	30', Steel Taped Shaft Distribution Pole	2,557.48	463.63
26 05 46 00-0106	EA	35', Steel Taped Shaft Distribution Pole	2,828.68	509.99
26 05 46 00-0107	EA	40', Steel Taped Shaft Distribution Pole	3,787.09	556.36
26 05 46 00-0108		Square Prestressed Concrete Distribution Poles *(26 05 46 00-0101)*		
26 05 46 00-0109	EA	30', Prestressed Concrete Square Pole For Distribution	2,360.89	692.36
26 05 46 00-0110	EA	35', Prestressed Concrete Square Pole For Distribution	2,615.45	759.36
26 05 46 00-0111	EA	40', Prestressed Concrete Square Pole For Distribution	3,029.68	848.71
26 05 46 00-0112	EA	45', Prestressed Concrete Square Pole For Distribution	3,402.87	938.04
26 05 46 00-0113	EA	50', Prestressed Concrete Square Pole For Distribution	4,082.80	1,139.05
26 05 46 00-0114	EA	55', Prestressed Concrete Square Pole For Distribution	4,787.39	1,340.07
26 05 46 00-0115	EA	60', Prestressed Concrete Square Pole For Distribution	5,598.79	1,518.74
26 05 46 00-0116	EA	65', Prestressed Concrete Square Pole For Distribution	6,790.20	1,876.09
26 05 46 00-0117	EA	70', Prestressed Concrete Square Pole For Distribution	7,575.97	2,054.76
26 05 46 00-0118		Aluminum Tapered Poles *(26 05 46)*		
26 05 46 00-0119		Aluminum Tapered Round Seamless Shaft Poles *(26 05 46 00-0118)*		
26 05 46 00-0120	EA	20', Aluminum Tapered Round Seamless Shaft Pole For Distribution	2,233.86	347.72
26 05 46 00-0121	EA	25', Aluminum Tapered Round Seamless Shaft Pole For Distribution	3,113.92	370.90
26 05 46 00-0122	EA	30', Aluminum Tapered Round Seamless Shaft Pole For Distribution	3,580.54	417.27
26 05 46 00-0123	EA	35', Aluminum Tapered Round Seamless Shaft Pole For Distribution	4,245.15	463.63
26 05 46 00-0124	EA	40', Aluminum Tapered Round Seamless Shaft Pole For Distribution	6,412.74	509.99
26 05 46 00-0125		Steel Service Poles Distribution *(26 05 46)*		
		Note: Direct embedded, bearing plate on base end, pole cap on top end, grounding nut, galvanized finish.		
26 05 46 00-0126		Round Tapered Pole *(26 05 46 00-0125)*		
26 05 46 00-0127	EA	40', Galvanized Steel Tapered Round Pole For Distribution	3,131.97	556.36
26 05 46 00-0128	EA	45', Galvanized Steel Tapered Round Pole For Distribution	3,632.03	602.72
26 05 46 00-0129	EA	50', Galvanized Steel Tapered Round Pole For Distribution	3,870.92	649.08
26 05 46 00-0130	EA	55', Galvanized Steel Tapered Round Pole For Distribution	4,554.94	741.80
26 05 46 00-0131	EA	60', Galvanized Steel Tapered Round Pole For Distribution	5,619.57	834.53
26 05 46 00-0132	EA	65', Galvanized Steel Tapered Round Pole For Distribution	6,630.31	1,049.71
26 05 46 00-0133	EA	70', Galvanized Steel Tapered Round Pole For Distribution	7,384.21	1,190.86
26 05 46 00-0134	EA	75', Galvanized Steel Tapered Round Pole For Distribution	8,164.11	1,340.07
26 05 46 00-0135	EA	80', Galvanized Steel Tapered Round Pole For Distribution	9,165.29	1,518.74
26 05 46 00-0136	EA	85', Galvanized Steel Tapered Round Pole For Distribution	9,792.74	1,608.07
26 05 46 00-0137	EA	90', Galvanized Steel Tapered Round Pole For Distribution	10,633.08	1,786.74
26 05 46 00-0138	EA	95', Galvanized Steel Tapered Round Pole For Distribution	11,700.78	2,010.09
26 05 46 00-0139	EA	100', Galvanized Steel Tapered Round Pole For Distribution	12,925.87	2,278.10
26 05 46 00-0140		12 Sided Tapered *(26 05 46 00-0125)*		
26 05 46 00-0141	EA	40', Galvanized Steel Tapered 12 Sided Pole For Distribution	5,296.45	556.36
26 05 46 00-0142	EA	45', Galvanized Steel Tapered 12 Sided Pole For Distribution	5,843.41	602.72
26 05 46 00-0143	EA	50', Galvanized Steel Tapered 12 Sided Pole For Distribution	6,468.41	649.08
26 05 46 00-0144	EA	55', Galvanized Steel Tapered 12 Sided Pole For Distribution	7,111.43	741.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0145	EA	60', Galvanized Steel Tapered 12 Sided Pole For Distribution	9,428.01	834.53
26 05 46 00-0146	EA	65', Galvanized Steel Tapered 12 Sided Pole For Distribution	10,462.16	1,049.71
26 05 46 00-0147	EA	70', Galvanized Steel Tapered 12 Sided Pole For Distribution	12,116.96	1,190.86
26 05 46 00-0148	EA	75', Galvanized Steel Tapered 12 Sided Pole For Distribution	13,046.04	1,340.07
26 05 46 00-0149	EA	80', Galvanized Steel Tapered 12 Sided Pole For Distribution	14,041.09	1,518.74
26 05 46 00-0150	EA	85', Galvanized Steel Tapered 12 Sided Pole For Distribution	14,876.53	1,608.07
26 05 46 00-0151	EA	90', Galvanized Steel Tapered 12 Sided Pole For Distribution	16,883.94	1,786.74
26 05 46 00-0152	EA	95', Galvanized Steel Tapered 12 Sided Pole For Distribution	17,934.12	2,010.09
26 05 46 00-0153	EA	100', Galvanized Steel Tapered 12 Sided Pole For Distribution	19,200.13	2,278.10
26 05 46 00-0154	EA	105', Galvanized Steel Tapered 12 Sided Pole For Distribution	20,552.32	2,546.12
26 05 46 00-0155		**Standard Options For Round, 12 Sided and Octagonal Tapered Poles** *(26 05 46 00-0125)*		
26 05 46 00-0156	EA	Ladder Clips	12.30	
26 05 46 00-0157	EA	Coal Tar Epoxy Coating From Base To 1' Above Ground Line	92.32	
26 05 46 00-0158	EA	Ground Sleeve-2' At Ground Line	92.85	
26 05 46 00-0159		**Arms With Baseplates And Endplates** *(26 05 46 00-0125)*		
26 05 46 00-0160	EA	4' Arm With Baseplate And Endplate	460.01	92.73
26 05 46 00-0161	EA	5' Arm With Baseplate And Endplate	497.23	92.73
26 05 46 00-0162	EA	6' Arm With Baseplate And Endplate	627.91	139.09
26 05 46 00-0163	EA	7' Arm With Baseplate And Endplate	660.48	139.09
26 05 46 00-0164	EA	8' Arm With Baseplate And Endplate	789.72	185.45
26 05 46 00-0165	EA	9' Arm With Baseplate And Endplate	826.93	185.45
26 05 46 00-0166	EA	10' Arm With Baseplate And Endplate	1,091.87	231.82
26 05 46 00-0167	EA	11' Arm With Baseplate And Endplate	1,133.63	231.82
26 05 46 00-0168		**Standard Vangs Load Bearing At Any Angle** *(26 05 46 00-0125)*		
26 05 46 00-0169	EA	15,000 LB Standard Vangs Load Bearing At Any Angle	216.15	92.73
26 05 46 00-0170	EA	30,000 LB Standard Vangs Load Bearing At Any Angle	238.96	92.73
26 05 46 00-0171	EA	45,000 LB Standard Vangs Load Bearing At Any Angle	270.15	92.73
26 05 46 00-0172		**Armless Construction Brackets** *(26 05 46 00-0125)*		
26 05 46 00-0173		**Verticals Insulator And Equipment Bracket** *(26 05 46 00-0172)*		
26 05 46 00-0174	EA	7" 1 Position Vertical Insulation And Equipment Bracket	219.87	92.73
26 05 46 00-0175	EA	12" 1 Position Vertical Insulation And Equipment Bracket	234.27	92.73
26 05 46 00-0176	EA	12" 3 Position Vertical Insulation And Equipment Bracket	257.67	92.73
26 05 46 00-0177	EA	18" 1 Position Vertical Insulation And Equipment Bracket	365.82	139.09
26 05 46 00-0178	EA	18" 3 Position Vertical Insulation And Equipment Bracket	379.48	139.09
26 05 46 00-0179		**Horizontal And Multiple Insulator Brackets** *(26 05 46 00-0172)*		
26 05 46 00-0180	EA	Sidepole 1 7/8" Clearance Horizontal And Multiple Insulation Brackets	208.66	92.73
26 05 46 00-0181	EA	Sidepole 2" Clearance Horizontal And Multiple Insulation Brackets	238.92	92.73
26 05 46 00-0182	EA	Sidepole 9" Clearance Horizontal And Multiple Insulation Brackets	351.16	139.09
26 05 46 00-0183	EA	Sidepole 10" Clearance Horizontal And Multiple Insulation Brackets	422.58	139.09
26 05 46 00-0184	EA	Sidepole 15" Clearance Horizontal And Multiple Insulation Brackets	544.94	185.45
26 05 46 00-0185	EA	Sidepole 20" Clearance Horizontal And Multiple Insulation Brackets	582.85	185.45
26 05 46 00-0186		**Pole Top Bracket And Pins** *(26 05 46 00-0172)*		
26 05 46 00-0187	EA	Pole Top Pin - 5"	213.05	92.73
26 05 46 00-0188	EA	Pole Top Bracket - 5"	220.40	92.73
26 05 46 00-0189		**Angle Pins** *(26 05 46 00-0172)*		
26 05 46 00-0190	EA	Angle Pin - 25 Degree, 6"	212.06	92.73
26 05 46 00-0191	EA	Angle Pin - 25 Degree, 7 1/4"	235.92	92.73
26 05 46 00-0192		**Static And Neutral Wire Brackets** *(26 05 46 00-0172)*		
26 05 46 00-0193	EA	Neutral Wire Bracket	193.96	92.73
26 05 46 00-0194	EA	Static Wire Bracket	226.06	92.73
26 05 46 00-0195		**Cutout, Arrestor And Terminator Brackets** *(26 05 46 00-0172)*		
26 05 46 00-0196	EA	Cutout And Arrestor, With Mounting Bracket	203.76	92.73
26 05 46 00-0197	EA	Equipment Mounting T Bracket	215.75	92.73
26 05 46 00-0198	EA	15 KV Cutout	270.61	
26 05 46 00-0199	EA	9/10 KV Arrestor	253.75	92.73
26 05 46 00-0200		**Spacer Cable, Conduit Support And Cluster Bracket** *(26 05 46 00-0172)*		
26 05 46 00-0201	EA	Spacer Cable	228.60	92.73
26 05 46 00-0202	EA	Conduit Support	200.55	92.73

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0203	EA	Cluster Bracket For Mounting Transformer On Pole, 3 Diameter	295.41	92.73
26 05 46 00-0204		15 KV 200 Amp Solenoid Operated High Voltage Switch *(26 05 46 00-0172)*		
		Note: Includes pole mounting bracket.		
26 05 46 00-0205	EA	15 KV, 1 Phase, Solenoid Switch With Pole Bracket	1,206.46	231.82
26 05 46 00-0206		Octagonal Tapered *(26 05 46 00-0125)*		
26 05 46 00-0207	EA	40', Galvanized Steel Tapered Octagonal Pole For Distribution	5,457.33	556.36
26 05 46 00-0208	EA	45', Galvanized Steel Tapered Octagonal Pole For Distribution	6,021.84	602.72
26 05 46 00-0209	EA	50', Galvanized Steel Tapered Octagonal Pole For Distribution	6,667.31	649.08
26 05 46 00-0210	EA	55', Galvanized Steel Tapered Octagonal Pole For Distribution	7,327.88	788.16
26 05 46 00-0211	EA	60', Galvanized Steel Tapered Octagonal Pole For Distribution	9,726.36	834.53
26 05 46 00-0212	EA	65', Galvanized Steel Tapered Octagonal Pole For Distribution	10,783.92	1,049.71
26 05 46 00-0213	EA	70', Galvanized Steel Tapered Octagonal Pole For Distribution	12,491.37	1,116.72
26 05 46 00-0214	EA	75', Galvanized Steel Tapered Octagonal Pole For Distribution	13,445.31	1,340.07
26 05 46 00-0215	EA	80', Galvanized Steel Tapered Octagonal Pole For Distribution	14,463.75	1,429.40
26 05 46 00-0216	EA	85', Galvanized Steel Tapered Octagonal Pole For Distribution	15,324.07	1,608.07
26 05 46 00-0217	EA	90', Galvanized Steel Tapered Octagonal Pole For Distribution	17,394.37	1,697.41
26 05 46 00-0218	EA	95', Galvanized Steel Tapered Octagonal Pole For Distribution	18,470.88	2,010.09
26 05 46 00-0219	EA	100', Galvanized Steel Tapered Octagonal Pole For Distribution	19,763.21	2,144.10
26 05 46 00-0220	EA	105', Galvanized Steel Tapered Octagonal Pole For Distribution	21,144.64	2,412.11
26 05 46 00-0221		Removal And Relocation Of Steel Service Poles *(26 05 46 00-0125)*		
26 05 46 00-0222	LF	Removal And Relocation Of Steel Service Poles With Arms Up To 60'	32.45	
26 05 46 00-0223		Special Steel Bases For Poles *(26 05 46 00-0125)*		
26 05 46 00-0224	EA	Spin-In Steel Base For Poles	168.33	
26 05 46 00-0225	EA	Series 3, 25' Pole And less	184.27	46.36
26 05 46 00-0226	EA	Series 4, 40' Pole And less	218.53	53.32
26 05 46 00-0227	EA	Series 5, 50' Pole And less	248.13	57.96
26 05 46 00-0228		Primary Fuse Cutouts *(26 05 46)*		
		Note: Interrupting rating RMS, amperes - 25,000 symmetric and 40,000 asymmetric.		
26 05 46 00-0229		Non-Loadbreak Current Limiting Primary Fuse Cutouts *(26 05 46 00-0228)*		
		Note: Includes the fuse and cut-out switch.		
26 05 46 00-0230		8.3 KV-95 KV-BIL Non-Loadbreak Current Limiting *(26 05 46 00-0229)*		
26 05 46 00-0231	EA	15 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	447.26	231.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.27*	
26 05 46 00-0232	EA	25 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	539.99	231.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*139.09*	
26 05 46 00-0233	EA	40 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	632.40	231.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*166.81*	
26 05 46 00-0234	EA	100 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	639.85	231.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*166.91*	
26 05 46 00-0235	EA	200 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	639.85	231.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*166.91*	
26 05 46 00-0236		17.1 KV-95 KV-BIL Non-Loadbreak Current Limiting *(26 05 46 00-0229)*		
26 05 46 00-0237	EA	15 A Primary Fuse Cutout 17.1 KV - 95 KV Non-Loadbreak Current Limiting	447.26	185.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.27*	
26 05 46 00-0238		17.1 KV-125 KV-BIL Non-Loadbreak Current Limiting *(26 05 46 00-0229)*		
26 05 46 00-0239	EA	15 A Primary Fuse Cutout 17.1 KV - 125 KV Non-Loadbreak Current Limiting	456.89	185.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.27*	
26 05 46 00-0240		Fuseholders *(26 05 46 00-0229)*		
		Note: Including current limiting fuse.		
26 05 46 00-0241	EA	15 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	406.67	231.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.27*	
26 05 46 00-0242	EA	25 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	499.40	231.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*139.09*	
26 05 46 00-0243	EA	40 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	591.81	231.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*166.81*	
26 05 46 00-0244	EA	100 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	410.00	231.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.27*	
26 05 46 00-0245	EA	200 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	502.73	231.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*139.09*	
26 05 46 00-0246	EA	15 A 17.1 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	406.67	185.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.27*	
26 05 46 00-0247		Accessories *(26 05 46 00-0229)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0248	EA	Hot Line Clamp	56.30	20.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.91*	
26 05 46 00-0249	EA	Stirrup	59.35	20.87
26 05 46 00-0250		**Loadbreak Current Limiting Primary Fuse Cutouts** *(26 05 46 00-0228)*		
		Note: Includes fuse, cutout switch, crossarm mounting bracket and fuse holder.		
26 05 46 00-0251		**8.3 KV-95 KV BIL Loadbreak Current Limiting** *(26 05 46 00-0250)*		
26 05 46 00-0252	EA	15 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	522.24	231.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.27*	
26 05 46 00-0253	EA	25 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	614.97	231.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*139.09*	
26 05 46 00-0254	EA	40 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	707.38	231.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*166.81*	
26 05 46 00-0255	EA	100 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	721.82	231.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*166.91*	
26 05 46 00-0256	EA	200 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	721.82	231.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*166.91*	
26 05 46 00-0257		**17.1 KV-95 KV BIL Loadbreak Current Limiting** *(26 05 46 00-0250)*		
26 05 46 00-0258	EA	15 A Primary Fuse Cutout 17.1 KV - 95 KV Loadbreak Current Limiting	522.24	185.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.27*	
26 05 46 00-0259		**17.1 KV-125 KV BIL Loadbreak Current Limiting** *(26 05 46 00-0250)*		
26 05 46 00-0260	EA	15 A Primary Fuse Cutout 17.1 KV - 125 KV Loadbreak Current Limiting	522.24	185.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.27*	
26 05 46 00-0261		**Fuseholders** *(26 05 46 00-0250)*		
		Note: Includes current limiting fuses.		
26 05 46 00-0262	EA	15 Amp, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	410.11	231.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.27*	
26 05 46 00-0263	EA	25 Amp, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	502.84	231.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*139.09*	
26 05 46 00-0264	EA	40 Amp, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	595.25	231.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*166.81*	
26 05 46 00-0265	EA	15 Amp, 17.1 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	410.11	231.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.27*	
26 05 46 00-0266		**Pole Mounted Capacitors** *(26 05 46 00-0250)*		
26 05 46 00-0267	EA	Capacitors - Pole Mounted 6 KVAR	801.25	186.93
26 05 46 00-0268		**Pole Structure Assemblies** *(26 05 46 00-0228)*		
26 05 46 00-0269		**5 KV Pole Structure Assemblies** *(26 05 46 00-0268)*		
		Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0270	EA	Type OH-1, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	365.04	176.18
26 05 46 00-0271	EA	Type OH-2, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	611.75	296.72
26 05 46 00-0272	EA	Type OH-3, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	601.34	231.82
26 05 46 00-0273	EA	Type OH-4, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	328.37	120.54
26 05 46 00-0274	EA	Type OH-5, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	431.59	166.90
26 05 46 00-0275	EA	Type OH-6, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	794.41	333.82
26 05 46 00-0276	EA	Type OH-7, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	611.21	250.35
26 05 46 00-0277	EA	Type OH-8, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,163.70	500.72
26 05 46 00-0278	EA	Type OH-9, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,315.19	565.62
26 05 46 00-0279	EA	Type OH-10, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	694.06	278.18
26 05 46 00-0280	EA	Type OH-11, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	642.02	296.72
26 05 46 00-0281	EA	Type OH-12, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,248.57	602.72
26 05 46 00-0282	EA	Type OH-13, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	864.26	361.63
26 05 46 00-0283	EA	Type OH-14, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	568.80	259.63
26 05 46 00-0284	EA	Type OH-15, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,112.17	528.53
26 05 46 00-0285	EA	Type OH-16, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	787.83	268.90
26 05 46 00-0286		**15 KV Pole Structure Assemblies** *(26 05 46 00-0268)*		
		Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0287	EA	Type OH-1, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	374.67	176.18
26 05 46 00-0288	EA	Type OH-2, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	625.51	296.72
26 05 46 00-0289	EA	Type OH-3, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	648.11	231.82
26 05 46 00-0290	EA	Type OH-4, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	344.88	120.54
26 05 46 00-0291	EA	Type OH-5, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	454.98	157.63
26 05 46 00-0292	EA	Type OH-6, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	841.18	333.82
26 05 46 00-0293	EA	Type OH-7, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	645.61	250.35
26 05 46 00-0294	EA	Type OH-8, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,233.86	500.72
26 05 46 00-0295	EA	Type OH-9, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,410.12	565.62
26 05 46 00-0296	EA	Type OH-10, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	740.83	278.18
26 05 46 00-0297	EA	Type OH-11, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	659.90	296.72

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0298	EA	Type OH-12, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,266.45	602.72
26 05 46 00-0299	EA	Type OH-13, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	900.03	361.63
26 05 46 00-0300	EA	Type OH-14, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	586.68	250.35
26 05 46 00-0301	EA	Type OH-15, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,130.05	528.53
26 05 46 00-0302	EA	Type OH-16, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	823.60	324.54
26 05 46 00-0303		25 KV Pole Structure Assemblies *(26 05 46 00-0268)*		
		Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0304	EA	Type OH-3, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	904.56	278.18
26 05 46 00-0305	EA	Type OH-4, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	526.08	139.09
26 05 46 00-0306	EA	Type OH-5, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	768.71	213.27
26 05 46 00-0307	EA	Type OH-6, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,153.43	435.81
26 05 46 00-0308	EA	Type OH-7, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,013.71	324.54
26 05 46 00-0309	EA	Type OH-8, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,751.86	639.81
26 05 46 00-0310	EA	Type OH-9, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,769.13	723.26
26 05 46 00-0311	EA	Type OH-13, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,175.44	421.91
26 05 46 00-0312	EA	Type OH-16, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,049.83	421.91
26 05 46 00-0313		50 KV Pole Structure Assemblies *(26 05 46 00-0268)*		
		Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0314	EA	Type OH-3, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,215.84	380.18
26 05 46 00-0315	EA	Type OH-4, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	647.74	194.73
26 05 46 00-0316	EA	Type OH-5, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	883.70	305.99
26 05 46 00-0317	EA	Type OH-6, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,695.86	621.26
26 05 46 00-0318	EA	Type OH-7, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,290.46	463.63
26 05 46 00-0319	EA	Type OH-8, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,513.52	927.25
26 05 46 00-0320	EA	Type OH-9, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,910.81	1,029.25
26 05 46 00-0321	EA	Type OH-10, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,460.87	500.72
26 05 46 00-0322	EA	Type OH-13, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,542.92	579.53
26 05 46 00-0323	EA	Type OH-16, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,474.74	547.08
26 05 46 00-0324		Overhead To Underground Conversion Structures *(26 05 46 00-0228)*		
		Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination and neutral wire brackets. Excludes pole.		
26 05 46 00-0325		5 KV Structures *(26 05 46 00-0324)*		
		Note: Excludes pole.		
26 05 46 00-0326	EA	(3 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles	3,364.38	1,854.51
26 05 46 00-0327	EA	(3 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles	3,364.38	1,854.51
26 05 46 00-0328	EA	(4 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles	3,364.38	1,854.51
26 05 46 00-0329	EA	(4 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles	3,364.38	1,854.51
26 05 46 00-0330		15 KV Structures *(26 05 46 00-0324)*		
		Note: Excludes pole.		
26 05 46 00-0331	EA	(3 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles	3,429.11	1,854.51
26 05 46 00-0332	EA	(3 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles	3,429.11	1,854.51
26 05 46 00-0333	EA	(4 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles	3,429.11	1,854.51
26 05 46 00-0334	EA	(4 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles	3,429.11	1,854.51
26 05 46 00-0335		25 KV Structures *(26 05 46 00-0324)*		
		Note: Excludes pole.		
26 05 46 00-0336	EA	(3 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles	3,499.73	1,854.51
26 05 46 00-0337	EA	(3 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	3,499.73	1,854.51
26 05 46 00-0338	EA	(4 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	3,499.73	1,854.51
26 05 46 00-0339	EA	(4 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles	3,499.73	1,854.51
26 05 46 00-0340		Transformer Stations *(26 05 46 00-0228)*		
		Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination, neutral wire brackets and transformer mounting bracket(s). Excludes pole and transformer.		
26 05 46 00-0341		5 KV Station *(26 05 46 00-0340)*		
26 05 46 00-0342	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole	4,580.00	2,472.06
26 05 46 00-0343	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 5 KV Transformer Station Without Pole	5,143.67	2,781.77
26 05 46 00-0344	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole	5,707.35	3,090.54
26 05 46 00-0345	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 5 KV Transformer Station Without Pole	5,707.35	3,090.54
26 05 46 00-0346	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 5 KV Transformer Station Without Pole	4,580.00	2,472.06
26 05 46 00-0347		15 KV Stations *(26 05 46 00-0340)*		
26 05 46 00-0348	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole	4,644.74	2,472.06
26 05 46 00-0349	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 15 KV Transformer Station Without Pole	5,208.41	2,781.77
26 05 46 00-0350	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole	5,772.08	3,090.54
26 05 46 00-0351	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 15 KV Transformer Station Without Pole	5,772.08	3,090.54
26 05 46 00-0352	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 15 KV Transformer Station Without Pole	4,644.74	2,472.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0353		**25 KV Stations** *(26 05 46 00-0340)*		
26 05 46 00-0354	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole	4,715.36	2,472.06
26 05 46 00-0355	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 25 KV Transformer Station Without Pole	5,279.03	2,781.77
26 05 46 00-0356	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole	5,842.70	3,090.54
26 05 46 00-0357	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 25 KV Transformer Station Without Pole	5,842.70	3,090.54
26 05 46 00-0358	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 25 KV Transformer Station Without Pole	4,715.36	2,472.06
26 05 53		**Identification for Electrical Systems** *(26 05)*		
26 05 53 00-0001		**Conduit Markers Pressure-Sensitive** *(26 05 53)*		
		Note: Stick-on, includes arrow tape.		
26 05 53 00-0002	EA	1/2" Outside Diameter Pressure Sensitive Marker Stick-on	8.93	
26 05 53 00-0003	EA	3/4" Outside Diameter Pressure Sensitive Marker Stick-on	9.34	
26 05 53 00-0004	EA	1" Outside Diameter Pressure Sensitive Marker Stick-on	10.16	
26 05 53 00-0005	EA	1-1/4" Outside Diameter Pressure Sensitive Marker Stick-on	10.32	
26 05 53 00-0006	EA	1-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	10.49	
26 05 53 00-0007	EA	2" Outside Diameter Pressure Sensitive Marker Stick-on	10.74	
26 05 53 00-0008	EA	2-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	12.41	
26 05 53 00-0009	EA	3" Outside Diameter Pressure Sensitive Marker Stick-on	12.74	
26 05 53 00-0010	EA	3-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	12.98	
26 05 53 00-0011	EA	4" Outside Diameter Pressure Sensitive Marker Stick-on	13.23	
26 05 53 00-0012	EA	4-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	13.75	
26 05 53 00-0013	EA	5" Outside Diameter Pressure Sensitive Marker Stick-on	14.30	
26 05 53 00-0014	EA	6" Outside Diameter Pressure Sensitive Marker Stick-on	14.78	
26 05 53 00-0015	EA	7" Outside Diameter Pressure Sensitive Marker Stick-on	15.27	
26 05 53 00-0016	EA	8" Outside Diameter Pressure Sensitive Marker Stick-on	16.65	
26 05 53 00-0017	EA	10" Outside Diameter Pressure Sensitive Marker Stick-on	17.56	
26 05 53 00-0018		**Labeling Electrical Wires** *(26 05 53)*		
26 05 53 00-0019	EA	Labeling Wire	1.76	
26 05 83		**Wiring Connections** *(26 05)*		
26 05 83 00-0001		**Tape Wrapped Compression Connectors** *(26 05 83)*		
26 05 83 00-0002	EA	#6 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	10.40	3.70
26 05 83 00-0003	EA	#4 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	11.34	4.12
26 05 83 00-0004	EA	#2 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	12.18	4.53
26 05 83 00-0005	EA	1/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	13.97	4.94
26 05 83 00-0006	EA	2/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	15.04	5.35
26 05 83 00-0007	EA	3/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	16.63	5.76
26 05 83 00-0008	EA	4/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	17.81	6.17
26 05 83 00-0009	EA	250 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	19.36	6.58
26 05 83 00-0010	EA	300 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	21.45	7.41
26 05 83 00-0011	EA	350 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	22.53	7.82
26 05 83 00-0012	EA	400 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	24.87	8.23
26 05 83 00-0013	EA	500 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	26.93	8.64
26 05 83 00-0014	EA	750 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	30.00	9.46
26 05 83 00-0015	EA	1,000 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	34.70	10.69
26 05 83 00-0016		**One Hole Compression Lugs** *(26 05 83)*		
26 05 83 00-0017	EA	#22-18 AWG Low Voltage (To 600 Volts) One Hole Compression Lug	14.01	10.69
26 05 83 00-0018	EA	#16-14 AWG Low Voltage (To 600 Volts) One Hole Compression Lug	14.09	10.69
26 05 83 00-0019	EA	#12-10 AWG Low Voltage (To 600 Volts) One Hole Compression Lug	15.92	11.52
26 05 83 00-0020	EA	#8 AWG Low Voltage (To 600 Volts) One Hole Compression Lug	19.51	12.76
26 05 83 00-0021	EA	#6 AWG Low Voltage (To 600 Volts) One Hole Compression Lug	27.52	16.46
26 05 83 00-0022	EA	#4 AWG Low Voltage (To 600 Volts) One Hole Compression Lug	32.35	16.46
26 05 83 00-0023	EA	#2 AWG Low Voltage (To 600 Volts) One Hole Compression Lug	37.22	16.46
26 05 83 00-0024	EA	1/0 AWG Low Voltage (To 600 Volts) One Hole Compression Lug	45.95	24.69
26 05 83 00-0025	EA	2/0 AWG Low Voltage (To 600 Volts) One Hole Compression Lug	53.95	24.69
26 05 83 00-0026	EA	3/0 AWG Low Voltage (To 600 Volts) One Hole Compression Lug	63.17	24.69
26 05 83 00-0027	EA	4/0 AWG Low Voltage (To 600 Volts) One Hole Compression Lug	76.20	32.91
26 05 83 00-0028	EA	250 MCM Low Voltage (To 600 Volts) One Hole Compression Lug	90.40	49.37
26 05 83 00-0029	EA	300 MCM Low Voltage (To 600 Volts) One Hole Compression Lug	103.40	49.37
26 05 83 00-0030	EA	350 MCM Low Voltage (To 600 Volts) One Hole Compression Lug	111.16	49.37
26 05 83 00-0031	EA	400 MCM Low Voltage (To 600 Volts) One Hole Compression Lug	120.97	57.60
26 05 83 00-0032	EA	500 MCM Low Voltage (To 600 Volts) One Hole Compression Lug	132.20	57.60
26 05 83 00-0033	EA	750 MCM Low Voltage (To 600 Volts) One Hole Compression Lug	143.73	65.84
26 05 83 00-0034	EA	1,000 MCM Compression Lugs, 1 Hole, Low Voltage, To 600 Volts	168.39	74.07
26 05 83 00-0035		**Two Hole Compression Lugs** *(26 05 83)*		
26 05 83 00-0036	EA	#8 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug	28.50	13.99
26 05 83 00-0037	EA	#6 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug	30.55	14.89
26 05 83 00-0038	EA	#4 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug	32.26	14.89
26 05 83 00-0039	EA	#2 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug	37.11	17.12
26 05 83 00-0040	EA	1/0 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug	45.84	21.40

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0041	EA	2/0 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug	53.83	25.43
26 05 83 00-0042	EA	3/0 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug	63.03	29.79
26 05 83 00-0043	EA	4/0 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug	76.05	36.12
26 05 83 00-0044	EA	250 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug	90.22	42.88
26 05 83 00-0045	EA	300 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug	103.20	48.96
26 05 83 00-0046	EA	350 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug	110.95	52.75
26 05 83 00-0047	EA	400 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug	120.72	57.11
26 05 83 00-0048	EA	500 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug	131.91	62.38
26 05 83 00-0049	EA	750 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug	144.00	67.64
26 05 83 00-0050	EA	1,000 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug	177.70	82.30

26 05 83 00-0051 Tape Wrapped Split Bolt Connectors *(26 05 83)*

26 05 83 00-0052	EA	#8 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	42.89	32.91
26 05 83 00-0053	EA	#6 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	47.17	35.39
26 05 83 00-0054	EA	#4 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	53.75	37.03
26 05 83 00-0055	EA	#2 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	62.24	41.14
26 05 83 00-0056	EA	1/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	73.30	45.26
26 05 83 00-0057	EA	2/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	81.69	49.37
26 05 83 00-0058	EA	3/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	101.92	53.49
26 05 83 00-0059	EA	4/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	109.32	57.60
26 05 83 00-0060	EA	250 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	115.15	61.72
26 05 83 00-0061	EA	300 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	130.65	67.89
26 05 83 00-0062	EA	350 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	146.13	98.75
26 05 83 00-0063	EA	400 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	159.79	82.30
26 05 83 00-0064	EA	500 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	173.47	111.09
26 05 83 00-0065	EA	750 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	191.14	115.21
26 05 83 00-0066	EA	1,000 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	215.08	123.44

26 05 83 00-0067 Cable Termination Lugs Handwrapped, No Stress Cone *(26 05 83)*

26 05 83 00-0068	EA	#8 Or #6 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts	58.82	32.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.28*	
26 05 83 00-0069	EA	#4 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts	67.85	32.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.59*	
26 05 83 00-0070	EA	1/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts	93.98	49.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.43*	
26 05 83 00-0071	EA	4/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts	111.73	49.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.65*	
26 05 83 00-0072	EA	300 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts	133.82	61.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.40*	
26 05 83 00-0073	EA	500 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts	185.01	82.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.44*	

26 05 83 00-0074 Terminal Blocks *(26 05 83)*

Note: Labor excludes wire termination.

26 05 83 00-0075	EA	Power Distribution Block, 250 MCM 3 Phase Terminal Block, No Labor Wire Termination, 600 Volt	703.27	304.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*182.87*	
26 05 83 00-0076	EA	#22 To #10 Wire Size, 12 Point, 600 Volt Terminal Block	167.66	41.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.97*	
26 05 83 00-0077	EA	#8 To #2 Wire Size, 12 Point, 600 Volt Terminal Block	183.64	41.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.23*	

26 05 83 00-0078 Parallel Gutter Tap Or Motor Connection *(26 05 83)*

26 05 83 00-0079	EA	#8 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	28.49	14.89
26 05 83 00-0080	EA	#6 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	30.55	14.89
26 05 83 00-0081	EA	#4 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	32.26	14.89
26 05 83 00-0082	EA	#2 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	37.11	17.12
26 05 83 00-0083	EA	1/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	45.83	21.40
26 05 83 00-0084	EA	2/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	53.83	25.43
26 05 83 00-0085	EA	3/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	63.03	29.79
26 05 83 00-0086	EA	4/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	76.05	36.12
26 05 83 00-0087	EA	250 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	90.22	42.88
26 05 83 00-0088	EA	300 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	103.20	48.96
26 05 83 00-0089	EA	350 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	110.95	52.75
26 05 83 00-0090	EA	400 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	120.72	57.11
26 05 83 00-0091	EA	500 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	131.91	62.38
26 05 83 00-0092	EA	750 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	132.17	62.38
26 05 83 00-0093	EA	#8 AWG Parallel Gutter Tap, Versitap, Insulating Cover	28.49	14.89
26 05 83 00-0094	EA	#6 AWG Parallel Gutter Tap, Versitap, Insulating Cover	30.55	14.89
26 05 83 00-0095	EA	#4 AWG Parallel Gutter Tap, Versitap, Insulating Cover	32.26	14.89
26 05 83 00-0096	EA	#2 AWG Parallel Gutter Tap, Versitap, Insulating Cover	37.11	17.12
26 05 83 00-0097	EA	1/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	45.83	21.40
26 05 83 00-0098	EA	2/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	53.83	25.43
26 05 83 00-0099	EA	3/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	63.03	29.79
26 05 83 00-0100	EA	4/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	76.05	36.12
26 05 83 00-0101	EA	250 MCM Parallel Gutter Tap, Versitap, Insulating Cover	90.22	42.88
26 05 83 00-0102	EA	300 MCM Parallel Gutter Tap, Versitap, Insulating Cover	103.20	48.96
26 05 83 00-0103	EA	350 MCM Parallel Gutter Tap, Versitap, Insulating Cover	110.95	52.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0104	EA	400 MCM Parallel Gutter Tap, Versitap, Insulating Cover	120.72	57.11
26 05 83 00-0105	EA	500 MCM Parallel Gutter Tap, Versitap, Insulating Cover	131.91	62.38
26 05 83 00-0106	EA	750 MCM Parallel Gutter Tap, Versitap, Insulating Cover	132.17	62.38

26 05 83 00-0107 Copper Mechanical Lugs *(26 05 83)*

26 05 83 00-0108	EA	#8 Copper Mechanical Lugs	22.64	10.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.17*	
26 05 83 00-0109	EA	#6 Copper Mechanical Lugs	27.21	12.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.46*	
26 05 83 00-0110	EA	#4 Copper Mechanical Lugs	31.45	14.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.64*	
26 05 83 00-0111	EA	#2 Copper Mechanical Lugs	40.90	18.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.02*	
26 05 83 00-0112	EA	1/0 Copper Mechanical Lugs	55.07	24.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.81*	
26 05 83 00-0113	EA	2/0 Copper Mechanical Lugs	65.25	28.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.21*	
26 05 83 00-0114	EA	3/0 Copper Mechanical Lugs	75.99	32.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.75*	
26 05 83 00-0115	EA	4/0 Copper Mechanical Lugs	86.20	36.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.15*	
26 05 83 00-0116	EA	250 MCM Copper Mechanical Lugs	98.11	41.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.69*	
26 05 83 00-0117	EA	300 MCM Copper Mechanical Lugs	109.82	45.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.17*	
26 05 83 00-0118	EA	350 MCM Copper Mechanical Lugs	121.48	49.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.62*	
26 05 83 00-0119	EA	400 MCM Copper Mechanical Lugs	133.06	53.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.07*	
26 05 83 00-0120	EA	500 MCM Copper Mechanical Lugs	144.84	57.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.56*	
26 05 83 00-0121	EA	750 MCM Copper Mechanical Lugs	164.34	65.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.38*	
26 05 83 00-0122	EA	1,000 MCM Copper Mechanical Lugs	185.93	74.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.44*	

26 05 83 00-0123 Gel Connectors *(26 05 83)*

26 05 83 00-0124	EA	3 Port, #14 to 2/0, Push On Gel Stub Splice Kit Note: Kit contains connector, gel filled cap and cap clamp.	35.78	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.47*	
26 05 83 00-0125	EA	4 Port, #14 to 2, Gel Tap Splice Kit	35.01	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.97*	

26 05 83 00-0126 Other Connections *(26 05 83)*

26 05 83 00-0127	EA	#14 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape	8.05	3.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.26*	
26 05 83 00-0128	EA	#12 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape	8.10	3.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.26*	
26 05 83 00-0129	EA	#10 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape	8.16	3.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.26*	

26 05 83 00-0130 Motor/Equipment Connections And Terminations *(26 05 83)*

Note: Includes rotation testing. If equipment rating is other than horsepower (KW, CFM, tons, Btu/Hr, etc.) convert units to horsepower and select proper circuit characteristics. Includes material conduit (6 LF max.), connectors and conductors. To connect electrical wiring to all new or existing equipment motors.

26 05 83 00-0131 AC Single Phase, 230 Volt *(26 05 83 00-0130)*

26 05 83 00-0132	EA	<1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	47.62	20.58
26 05 83 00-0133	EA	1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	47.40	20.58
26 05 83 00-0134	EA	3/4 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	55.89	24.69
26 05 83 00-0135	EA	1 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	68.72	30.86
26 05 83 00-0136	EA	1-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	69.15	30.86
26 05 83 00-0137	EA	2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	69.24	30.86
26 05 83 00-0138	EA	3 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	70.67	30.86
26 05 83 00-0139	EA	5 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	91.43	41.14
26 05 83 00-0140	EA	7-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	93.04	41.14
26 05 83 00-0141	EA	10 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	117.20	51.44

26 05 83 00-0142 AC Three Phase, 230 Volt *(26 05 83 00-0130)*

26 05 83 00-0143	EA	1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	47.40	20.58
26 05 83 00-0144	EA	3/4 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	55.89	24.69
26 05 83 00-0145	EA	1 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	68.72	30.86
26 05 83 00-0146	EA	1-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	69.15	30.86
26 05 83 00-0147	EA	2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	69.24	30.86
26 05 83 00-0148	EA	3 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	70.67	30.86
26 05 83 00-0149	EA	5 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	91.43	41.14
26 05 83 00-0150	EA	7-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	93.04	41.14

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0151	EA	10 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	117.20	51.44
26 05 83 00-0152	EA	15 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	119.38	51.44
26 05 83 00-0153	EA	20 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	148.52	61.72
26 05 83 00-0154	EA	25 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	151.83	61.72
26 05 83 00-0155	EA	30 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	205.88	82.30
26 05 83 00-0156	EA	40 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	257.89	102.86
26 05 83 00-0157	EA	50 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	305.40	123.44
26 05 83 00-0158	EA	60 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	361.57	144.01
26 05 83 00-0159	EA	75 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	414.98	164.58
26 05 83 00-0160	EA	100 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	516.00	205.73
26 05 83 00-0161	EA	125 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	610.62	244.82
26 05 83 00-0162	EA	150 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	720.30	285.55
26 05 83 00-0163	EA	200 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,040.59	428.25

26 05 83 00-0164 AC Three Phase, 460 Volt *(26 05 83 00-0130)*

26 05 83 00-0165	EA	1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	47.40	20.58
26 05 83 00-0166	EA	3/4 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	55.89	24.69
26 05 83 00-0167	EA	1 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	68.72	30.86
26 05 83 00-0168	EA	1-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	69.15	30.86
26 05 83 00-0169	EA	2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	69.24	30.86
26 05 83 00-0170	EA	3 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	70.67	30.86
26 05 83 00-0171	EA	5 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	91.43	41.14
26 05 83 00-0172	EA	7-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	93.04	41.14
26 05 83 00-0173	EA	10 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	117.20	51.44
26 05 83 00-0174	EA	15 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	119.38	51.44
26 05 83 00-0175	EA	20 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	148.52	61.72
26 05 83 00-0176	EA	25 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	151.83	61.72
26 05 83 00-0177	EA	30 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	205.88	82.30
26 05 83 00-0178	EA	40 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	258.13	103.03
26 05 83 00-0179	EA	50 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	305.40	123.44
26 05 83 00-0180	EA	60 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	361.57	144.01
26 05 83 00-0181	EA	75 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	414.98	164.58
26 05 83 00-0182	EA	100 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	516.00	205.73
26 05 83 00-0183	EA	125 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	610.85	244.90
26 05 83 00-0184	EA	150 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	720.62	285.71
26 05 83 00-0185	EA	200 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,041.30	428.58

26 05 83 00-0186 AC Single Phase, 120 Volt *(26 05 83 00-0130)*

26 05 83 00-0187	EA	1/2 HP AC And Less Single Phase, 120 Volt Motor/Equipment, Connection, Termination And Rotation Testing	47.62	20.58

26 05 83 00-0188 Motor Moisture Sensor *(26 05 83 00-0130)*

26 05 83 00-0189	EA	Motor Moisture Sensor Located In Winding	264.52	

26 09 Instrumentation and Control for Electrical Systems *(26)*

Note: Includes testing of new devices and certification.

26 09 23 Lighting Control Devices *(26 09)*

26 09 23 00-0001 Lighting Contactors *(26 09 23)*

Note: Up to 600 volt.

26 09 23 00-0002 Electrically Held, Lighting Contactors *(26 09 23 00-0001)*

26 09 23 00-0003 NEMA 1 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0002)*

26 09 23 00-0004 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0003)*

26 09 23 00-0005	EA	20 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	293.31	65.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.50*	
26 09 23 00-0006	EA	30 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	359.51	74.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.44*	
26 09 23 00-0007	EA	60 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	663.42	115.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.13*	
26 09 23 00-0008	EA	100 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	1,023.72	156.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*93.81*	
26 09 23 00-0009	EA	200 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	2,083.51	205.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*123.44*	

26 09 23 00-0010 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0003)*

26 09 23 00-0011	EA	20 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	331.12	74.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.44*	
26 09 23 00-0012	EA	30 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	394.63	82.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.37*	
26 09 23 00-0013	EA	60 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	721.20	131.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.00*	
26 09 23 00-0014	EA	100 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	1,107.27	172.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*103.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0015	EA	200 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	2,238.80	226.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*135.78*	
26 09 23 00-0016		**4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors** *(26 09 23 00-0003)*		
26 09 23 00-0017	EA	20 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	387.87	82.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.37*	
26 09 23 00-0018	EA	30 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	462.16	90.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.31*	
26 09 23 00-0019	EA	60 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	867.81	148.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.88*	
26 09 23 00-0020	EA	100 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	1,317.38	189.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*113.56*	
26 09 23 00-0021	EA	200 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	2,840.84	246.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*148.13*	
26 09 23 00-0022		**NEMA 4 Enclosure, Electrically Held, Lighting Contactors** *(26 09 23 00-0002)*		
26 09 23 00-0023		**2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors** *(26 09 23 00-0022)*		
26 09 23 00-0024	EA	20 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	465.15	65.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.50*	
26 09 23 00-0025	EA	30 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	587.34	74.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.44*	
26 09 23 00-0026	EA	60 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,117.74	115.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.13*	
26 09 23 00-0027	EA	100 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,669.00	156.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*93.81*	
26 09 23 00-0028	EA	200 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	3,184.89	205.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*123.44*	
26 09 23 00-0029		**3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors** *(26 09 23 00-0022)*		
26 09 23 00-0030	EA	20 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	485.00	74.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.44*	
26 09 23 00-0031	EA	30 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	622.45	82.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.37*	
26 09 23 00-0032	EA	60 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,176.85	131.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.00*	
26 09 23 00-0033	EA	100 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,752.11	172.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*103.69*	
26 09 23 00-0034	EA	200 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	3,339.73	226.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*135.78*	
26 09 23 00-0035		**4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors** *(26 09 23 00-0022)*		
26 09 23 00-0036	EA	20 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	525.24	82.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.37*	
26 09 23 00-0037	EA	30 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	689.98	90.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.31*	
26 09 23 00-0038	EA	60 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,500.66	148.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.88*	
26 09 23 00-0039	EA	100 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	2,139.41	189.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*113.56*	
26 09 23 00-0040	EA	200 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	4,430.29	246.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*148.13*	
26 09 23 00-0041		**Mechanically Held, Lighting Contactors** *(26 09 23 00-0001)*		
26 09 23 00-0042		**NEMA 1 Enclosure, Mechanically Held, Lighting Contactors** *(26 09 23 00-0041)*		
26 09 23 00-0043		**2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors** *(26 09 23 00-0042)*		
26 09 23 00-0044	EA	20 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	418.55	65.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.50*	
26 09 23 00-0045	EA	30 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	475.87	74.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.44*	
26 09 23 00-0046	EA	60 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	889.91	115.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.13*	
26 09 23 00-0047	EA	100 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,238.22	156.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*93.81*	
26 09 23 00-0048	EA	200 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	2,779.87	205.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*123.44*	
26 09 23 00-0049		**3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors** *(26 09 23 00-0042)*		
26 09 23 00-0050	EA	20 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	449.08	74.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.44*	
26 09 23 00-0051	EA	30 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	511.87	82.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.37*	
26 09 23 00-0052	EA	60 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	949.03	131.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0053	EA	100 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,322.21	172.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*103.69*	
26 09 23 00-0054	EA	200 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	3,123.90	226.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*135.78*	
26 09 23 00-0055		4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0042)*		
26 09 23 00-0056	EA	20 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	485.93	82.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.37*	
26 09 23 00-0057	EA	30 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	546.98	90.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.31*	
26 09 23 00-0058	EA	60 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,107.63	148.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.88*	
26 09 23 00-0059	EA	100 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,545.20	189.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*113.56*	
26 09 23 00-0060	EA	200 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	3,759.25	246.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*148.13*	
26 09 23 00-0061		NEMA 4 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0041)*		
26 09 23 00-0062		2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0061)*		
26 09 23 00-0063	EA	20 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	612.23	65.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.50*	
26 09 23 00-0064	EA	30 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	703.69	74.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.44*	
26 09 23 00-0065	EA	60 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,345.57	115.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.13*	
26 09 23 00-0066	EA	100 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,883.51	156.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*93.81*	
26 09 23 00-0067	EA	200 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	3,880.36	205.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*123.44*	
26 09 23 00-0068		3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0061)*		
26 09 23 00-0069	EA	20 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	649.07	74.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.44*	
26 09 23 00-0070	EA	30 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	739.69	82.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.37*	
26 09 23 00-0071	EA	60 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,404.68	131.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.00*	
26 09 23 00-0072	EA	100 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,967.94	172.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*103.69*	
26 09 23 00-0073	EA	200 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	4,225.27	226.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*135.78*	
26 09 23 00-0074		4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0061)*		
26 09 23 00-0075	EA	20 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	688.34	82.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.37*	
26 09 23 00-0076	EA	30 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	774.81	90.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.31*	
26 09 23 00-0077	EA	60 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,740.48	148.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.88*	
26 09 23 00-0078	EA	100 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	2,367.24	189.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*113.56*	
26 09 23 00-0079	EA	200 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	5,316.28	246.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*148.13*	
26 09 23 00-0080		Combination Lighting Contactors *(26 09 23)*		
		Note: Up to 600 volt.		
26 09 23 00-0081		Electrically Held, Combination Lighting Contactors *(26 09 23 00-0080)*		
26 09 23 00-0082		NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors *(26 09 23 00-0081)*		
26 09 23 00-0083		3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors *(26 09 23 00-0082)*		
26 09 23 00-0084	EA	30 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	790.57	90.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.31*	
26 09 23 00-0085	EA	60 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	1,240.94	144.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*86.90*	
26 09 23 00-0086	EA	100 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	1,982.96	190.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.06*	
26 09 23 00-0087	EA	200 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	3,573.51	248.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*149.36*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0088		NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors *(26 09 23 00-0081)*		
26 09 23 00-0089		3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors *(26 09 23 00-0088)*		
26 09 23 00-0090	EA	30 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	1,397.44	90.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.31*	
26 09 23 00-0091	EA	60 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	2,176.22	144.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*86.90*	
26 09 23 00-0092	EA	100 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	3,615.04	190.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.06*	
26 09 23 00-0093	EA	200 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	5,661.25	248.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*149.36*	
26 09 23 00-0094		Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0080)*		
26 09 23 00-0095		NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0094)*		
26 09 23 00-0096		3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0095)*		
26 09 23 00-0097	EA	30 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	859.85	90.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.31*	
26 09 23 00-0098	EA	60 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	1,480.76	144.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*86.90*	
26 09 23 00-0099	EA	100 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	2,210.12	190.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.06*	
26 09 23 00-0100	EA	200 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	4,219.02	248.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*149.36*	
26 09 23 00-0101		NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0094)*		
26 09 23 00-0102		3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0101)*		
26 09 23 00-0103	EA	30 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	1,467.39	90.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.31*	
26 09 23 00-0104	EA	60 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	2,417.37	144.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*86.90*	
26 09 23 00-0105	EA	100 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	3,842.87	190.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.06*	
26 09 23 00-0106	EA	200 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	6,306.75	248.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*149.36*	
26 09 23 00-0107		Photo-Cell, Relay, Lighting Arrester, Receptacle And Bracket *(26 09 23)*		
26 09 23 00-0108	EA	Photo-Cell, 105-130 Volt Relay, Lighting Arrester, Receptacle And Bracket	86.28	21.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.86*	
26 09 23 00-0109	EA	Photo-Cell, 105-285 Volt Relay, Lighting Arrester, Receptacle And Bracket	93.47	21.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.86*	
26 09 23 00-0110		Dimming Module System (Lutron Grafik Eye) *(26 09 23)*		
26 09 23 00-0111	EA	2,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-2)	914.88	82.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.37*	
26 09 23 00-0112	EA	4,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-4)	1,169.70	82.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.37*	
26 09 23 00-0113	EA	6,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-6)	1,429.07	82.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.37*	
26 09 23 00-0114		Light Control Panels *(26 09 23)*		
26 09 23 00-0115		Lighting Control Panels (Watt Stopper) *(26 09 23 00-0114)*		
26 09 23 00-0116		Lighting Control Panels (Watt Stopper) *(26 09 23 00-0115)*		
26 09 23 00-0117	EA	4 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-4)	1,205.49	115.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.24*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0118	EA	8 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-8)	1,303.21	123.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.19*	
26 09 23 00-0119	EA	8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8S-8-G)	1,465.67	123.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.19*	
26 09 23 00-0120	EA	8 Relays, Surface Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24S-8)	1,797.17	123.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.19*	
26 09 23 00-0121	EA	8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24S-8-G)	1,950.14	123.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.19*	
26 09 23 00-0122	EA	4 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-4)	1,338.70	115.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.24*	
26 09 23 00-0123	EA	8 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-8)	1,436.42	123.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.19*	
26 09 23 00-0124	EA	8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8F-8-G)	1,598.87	123.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.19*	
26 09 23 00-0125	EA	8 Relays, Flush Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24F-8)	1,858.42	123.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.19*	
26 09 23 00-0126	EA	8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24F-8-G)	2,011.68	123.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.19*	

26 09 23 00-0127 Accessories For Lighting Control Panels (Watt Stopper) *(26 09 23 00-0115)*

26 09 23 00-0128	EA	Low Voltage Photocell For Watt Stopper Lighting Control Panels (Watt Stopper EM-24A2)	196.18	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.36*	
26 09 23 00-0129	EA	Automatic Control Switch For Watt Stopper Lighting Control Panels (Watt Stopper AS-100-W)	96.78	16.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.89*	
26 09 23 00-0130	EA	Low Voltage Momentary Switch For Watt Stopper Lighting Control Panels (Watt Stopper DCC2)	51.94	16.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.89*	

26 09 23 00-0131 Lighting Control Panels (Synergy) *(26 09 23 00-0114)*

26 09 23 00-0132 Lighting Control Panels (Synergy) *(26 09 23 00-0131)*

26 09 23 00-0133	EA	8 Relays, Surface Mount, Lighting Control Panel (Synergy SwitchPak SPAK 8S)	1,448.30	123.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.19*	

26 09 23 00-0134 Accessories For Lighting Control Panels (Synergy) *(26 09 23 00-0131)*

26 09 23 00-0135	EA	Outdoor Photocell For Synergy SwitchPak Lighting Control Panels (Synergy LSA-APS-OL)	350.22	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.36*	
26 09 23 00-0136	EA	Sweepswitch, Line Voltage Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy SSPL-20)	135.78	8.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 09 23 00-0137	EA	Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy LVPS-2BT)	80.87	12.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.42*	

26 09 23 00-0138 Lighting Switching Panels (Lutron) *(26 09 23 00-0114)*

26 09 23 00-0139 Lighting Switching Panels (Lutron) *(26 09 23 00-0138)*

26 09 23 00-0140	EA	8 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS8-FT)	1,190.39	123.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.19*	
26 09 23 00-0141	EA	12 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS12-FT)	1,612.75	131.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.13*	
26 09 23 00-0142	EA	16 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS16-FT)	2,095.12	140.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*84.08*	

26 09 23 00-0143 Wireless (ZigBee) LED Lighting Control Panels (PlanLED GigaTera) *(26 09 23 00-0114)*

26 09 23 00-0144	EA	6 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC6Z)	522.70	115.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.24*	
26 09 23 00-0145	EA	12 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC12Z)	721.15	115.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.24*	
26 09 23 00-0146	EA	18 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC18Z)	931.15	115.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.24*	

26 09 23 00-0147 Power Filters *(26 09 23 00-0114)*

26 09 23 00-0148	EA	600 Amp 480/277 Volt, 4 Conductor Power Filter With 80" X 60" X 17"	22,914.19	685.75
26 09 23 00-0149	EA	200 Amp 480/277 Volt, 4 Conductor Power Filter With 25" X 40" X 17"	13,521.91	298.14

26 09 23 00-0150 Signal Filters *(26 09 23 00-0114)*

26 09 23 00-0151	EA	0.5 Amp 125 V 500 Conductor Signal Filter With 19" X 36-3/4" X 19-1/8 Case	10,582.00	623.45
26 09 23 00-0152	EA	0.5 Amp 125 V 200 Conductor Signal Filter With 29" X 40" X 11" Case	7,224.77	381.01
26 09 23 00-0153	EA	0.5 Amp 125 V 3 Pair Conductor Signal Filter With 12" X 12" X 4" Case	4,032.87	221.20
26 09 23 00-0154	EA	5 Amp 24 V DC 5 V 2 - 1 Pair Conductor Signal Filter With Case	5,469.05	221.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0155		Radio Controlled Devices (Lutron) *(26 09 23)*		
26 09 23 00-0156		Tabletop Transmitters For Radio Controlled Devices *(26 09 23 00-0155)*		
26 09 23 00-0157		Switched Lighting Controls, Tabletop Wireless Transmitter *(26 09 23 00-0156)*		
26 09 23 00-0158	EA	One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-SW-B-WH)	261.78	12.37
26 09 23 00-0159	EA	Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2SW-B-WH)	338.95	12.37
26 09 23 00-0160	EA	Three Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3SW-B-WH)	425.77	12.37
26 09 23 00-0161		Dimmable Lighting Controls, Tabletop Wireless Transmitter *(26 09 23 00-0156)*		
26 09 23 00-0162	EA	One Zone Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-B-WH)	261.78	12.37
26 09 23 00-0163	EA	Two Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-B-WH)	310.01	12.37
26 09 23 00-0164	EA	Three Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-B-WH)	425.77	12.37
26 09 23 00-0165	EA	One Zone Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-WH)	261.78	12.37
26 09 23 00-0166	EA	Two Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-WH)	338.95	12.37
26 09 23 00-0167	EA	Three Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-WH)	425.77	12.37
26 09 23 00-0168		Dimmable And Switched Lighting Controls, Tabletop Wireless Transmitter *(26 09 23 00-0156)*		
26 09 23 00-0169	EA	One Zone Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LSW-B-WH)	338.95	12.37
26 09 23 00-0170	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LSW-B-WH)	425.77	12.37
26 09 23 00-0171	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2SW-B-WH)	425.77	12.37
26 09 23 00-0172		Dimmable Lighting Controls And Shade Or Projection Controls, Tabletop Wireless Transmitter *(26 09 23 00-0156)*		
26 09 23 00-0173	EA	One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-C3-B-WH)	261.78	12.37
26 09 23 00-0174	EA	Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2C3-B-WH)	338.95	12.37
26 09 23 00-0175	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC2-B-WH)	310.01	12.37
26 09 23 00-0176	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC2-B-WH)	377.54	12.37
26 09 23 00-0177	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC3-B-WH)	338.95	12.37
26 09 23 00-0178	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC3-B-WH)	406.48	12.37
26 09 23 00-0179	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2C3-B-WH)	338.95	12.37
26 09 23 00-0180		Dimmable Lighting Controls And Sivoia QED Shade Controls, Tabletop Wireless Transmitter *(26 09 23 00-0156)*		
26 09 23 00-0181	EA	One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-Q-B-WH)	261.78	12.37
26 09 23 00-0182	EA	Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2Q-B-WH)	338.95	12.37
26 09 23 00-0183	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQ-B-WH)	338.95	12.37
26 09 23 00-0184	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LQ-B-WH)	425.77	12.37
26 09 23 00-0185	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2Q-B-WH)	338.95	12.37
26 09 23 00-0186	EA	One Zone Of Dimmable Lighting Controls, One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, One Zone Of Output Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQC2-B-WH)	425.77	12.37
26 09 23 00-0187		Output Switch Closure Controls, Tabletop Wireless Transmitter *(26 09 23 00-0156)*		
26 09 23 00-0188	EA	Five Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5-WH)	261.78	12.37
26 09 23 00-0189	EA	Nine Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5C4-WH)	338.95	12.37
26 09 23 00-0190	EA	Thirteen Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C52C4-WH)	425.77	12.37
26 09 23 00-0191		Accessories For Tabletop Wireless Transmitter *(26 09 23 00-0156)*		
26 09 23 00-0192	EA	Security Mounting Brackets For Tabletop Wireless Transmitters (Lutron RTA-SEC-WH)	59.20	12.37
26 09 23 00-0193		Wall Box Transmitters For Radio Controlled Devices *(26 09 23 00-0155)*		
26 09 23 00-0194	EA	On/Off Switched Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2BSW-WH)	242.48	12.37

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0195	EA	Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2B-WH)	261.78	12.37
26 09 23 00-0196	EA	Four Preset Lighting Level And Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-5B-WH)	261.78	12.37
26 09 23 00-0197	EA	Open/Stop/Close Motorized Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C3LB-WH)	261.78	12.37
26 09 23 00-0198	EA	Up/Down Projection Screen Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C2LB-WH)	261.78	12.37
26 09 23 00-0199	EA	Open/Stop/Close Sivoia QED Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-Q3LB-WH)	261.78	12.37
26 09 23 00-0200		**Interfaces For Radio Controlled Devices** *(26 09 23 00-0155)*		
26 09 23 00-0201	EA	Incandescent And Magnetic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-INC-2000)	242.48	12.37
26 09 23 00-0202	EA	Lutron Tu-Wire Ballast Interface For Radio Controlled Devices (Lutron FDI-INC-2000)	242.48	12.37
26 09 23 00-0203	EA	Electronic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-ELV-1000)	242.48	12.37
26 09 23 00-0204	EA	Sivoia QED Controllable Window Treatments Contact Closure Interface For Radio Controlled Devices (Lutron SVQ-CCI-8)	487.51	12.37
26 09 23 00-0205	EA	RS-232 Interface For Radio Controlled Devices (Lutron RTA-RS232)	695.88	12.37
26 09 23 00-0206	EA	Switch Closure Input Interface For Radio Controlled (Lutron RTA-SCI)	695.88	12.37
26 09 23 00-0207		**Fluorescent Controllers For Radio Controlled Devices** *(26 09 23 00-0155)*		
26 09 23 00-0208	EA	On/Off Switched Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-SW)	310.01	12.37
26 09 23 00-0209	EA	Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F)	348.60	12.37
26 09 23 00-0210	EA	Switch Closures And Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F-SC)	406.48	12.37
26 09 23 00-0211		**AC Motor Group Controllers For Radio Controlled Devices** *(26 09 23 00-0155)*		
26 09 23 00-0212	EA	Up To Two Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-2M-GC)	454.71	12.37
26 09 23 00-0213	EA	Up To Four Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-4M-GC)	623.53	12.37
26 09 23 00-0214		**Occupancy Sensors (Watt Stopper)** *(26 09 23)* Note: Includes testing of new devices and certification.		
26 09 23 00-0215		**Occupancy Sensors** *(26 09 23 00-0214)* Note: Exclude boxes.		
26 09 23 00-0216		**Wall Switch Mounted Occupancy Sensors** *(26 09 23 00-0215)*		
26 09 23 00-0217		**Ultrasonic, Wall Switch Mounted Occupancy Sensors** *(26 09 23 00-0216)*		
26 09 23 00-0218	EA	Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-100)	94.09	8.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 09 23 00-0219	EA	Dual Relay, Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-200)	110.84	8.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 09 23 00-0220		**Passive Infrared, Wall Switch Mounted Occupancy Sensors** *(26 09 23 00-0216)*		
26 09 23 00-0221	EA	Nightlight, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WN-100)	69.39	8.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 09 23 00-0222	EA	Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WS)	69.39	8.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 09 23 00-0223	EA	Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-100)	76.45	8.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 09 23 00-0224	EA	Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WI-200)	90.56	8.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 09 23 00-0225	EA	Dual Relay, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-200)	92.32	8.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 09 23 00-0226	EA	Dimmable, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WD)	94.09	8.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 09 23 00-0227		**Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensors** *(26 09 23 00-0216)*		
26 09 23 00-0228	EA	Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-100)	121.43	8.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 09 23 00-0229	EA	Dual Relay, Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-200)	139.06	8.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 09 23 00-0230		**Wall Switch Mounted Occupancy Sensor Accessories** *(26 09 23 00-0216)*		
26 09 23 00-0231	EA	Single Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	5.19	2.06
26 09 23 00-0232	EA	One Side Blank, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	6.33	2.06
26 09 23 00-0233	EA	Switch Option, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	6.33	2.06
26 09 23 00-0234		**Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0215)*		
26 09 23 00-0235		**Ultrasonic, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0234)*		
26 09 23 00-0236		**25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0235)*		
26 09 23 00-0237	EA	500 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-500A)	123.53	18.54
26 09 23 00-0238	EA	1,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-1000A)	142.05	18.54
26 09 23 00-0239	EA	2,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000A)	159.68	18.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0240	EA	90 LF Hallway Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000H)	159.68	18.54
26 09 23 00-0241		**32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0235)*		
26 09 23 00-0242	EA	600 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-605)	131.46	18.54
26 09 23 00-0243	EA	1,100 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1105)	149.10	18.54
26 09 23 00-0244	EA	2,205 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2205)	166.74	18.54
26 09 23 00-0245	EA	90 LF Hallway Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2255)	166.74	18.54
26 09 23 00-0246		**35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0235)*		
26 09 23 00-0247	EA	600 SF 360 Degree Coverage, Panel Integrating, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WP-605)	128.82	18.54
26 09 23 00-0248	EA	1,100 SF 360 Degree Coverage, Panel Integrating, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WP-1105)	146.46	18.54
26 09 23 00-0249	EA	2,200 SF 360 Degree Coverage, Panel Integrating, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WP-2205)	164.09	18.54
26 09 23 00-0250	EA	90 LF Hallway Coverage, Panel Integrating, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WP-2255)	164.09	18.54
26 09 23 00-0251	EA	600 SF 360 Degree Coverage, Isolated Relay, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-600)	138.52	18.54
26 09 23 00-0252	EA	1,100 SF 360 Degree Coverage, Isolated Relay, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1100)	156.16	18.54
26 09 23 00-0253	EA	2,200 SF 360 Degree Coverage, Isolated Relay, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2200)	174.68	18.54
26 09 23 00-0254	EA	90 LF Hallway Coverage, Isolated Relay, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2250)	174.68	18.54
26 09 23 00-0255		**40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0235)*		
26 09 23 00-0256	EA	500 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-1)	138.52	18.54
26 09 23 00-0257	EA	1,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-2)	156.16	18.54
26 09 23 00-0258	EA	2,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-3)	174.68	18.54
26 09 23 00-0259	EA	500 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-1)	131.46	18.54
26 09 23 00-0260	EA	1,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-2)	149.10	18.54
26 09 23 00-0261	EA	2,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-3)	166.74	18.54
26 09 23 00-0262	EA	500 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-1)	131.46	18.54
26 09 23 00-0263	EA	1,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-2)	149.10	18.54
26 09 23 00-0264	EA	2,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-3)	166.74	18.54
26 09 23 00-0265		**Passive Infrared, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0234)*		
26 09 23 00-0266	EA	30 Segment, 5 Level Lens, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper WPIR)	102.36	18.54
26 09 23 00-0267	EA	HVAC/BAS, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-12/24)	105.01	18.54
26 09 23 00-0268	EA	Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-205)	116.47	18.54
26 09 23 00-0269	EA	Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-355)	121.76	18.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 09 23 00-0270	EA	Low Profile, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-305)	121.76	18.54
26 09 23 00-0271	EA	Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-200)	133.23	18.54
26 09 23 00-0272	EA	Low Profile, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-300)	136.75	18.54
26 09 23 00-0273		**Passive Infrared And Ultrasonic, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0234)*		
26 09 23 00-0274	EA	1,000 SF 360 Degree Coverage, Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-355)	172.03	18.54
26 09 23 00-0275	EA	1,000 SF 360 Degree Coverage, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-300)	190.55	18.54
26 09 23 00-0276	EA	1,000 SF 360 Degree Coverage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-305)	190.55	18.54
26 09 23 00-0277		**Ceiling/Wall Mounted Occupancy Sensors** *(26 09 23 00-0215)*		
26 09 23 00-0278		**Passive Infrared, Ceiling/Wall Mounted Occupancy Sensors** *(26 09 23 00-0277)*		
26 09 23 00-0279	EA	120 LF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100-1/3)	190.55	18.54
26 09 23 00-0280	EA	2,000 SF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100)	190.55	18.54
26 09 23 00-0281		**Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensors** *(26 09 23 00-0277)*		

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0282		EA	2,000 SF Coverage, Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper DT-200)	190.55	18.54
26 09 23 00-0283			**Occupancy Sensor Power Packs** *(26 09 23 00-0214)*		
26 09 23 00-0284			**Single Voltage, Occupancy Sensor Power Packs** *(26 09 23 00-0283)*		
26 09 23 00-0285		EA	220 - 240 Volt AC, 20 Amp, Occupancy Sensor Power Pack (Watt Stopper B230E-P)	60.31	16.48
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.89*	
26 09 23 00-0286		EA	347 Volt AC, 15 Amp, Occupancy Sensor Power Pack (Watt Stopper B347D-P)	60.31	16.48
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.89*	
26 09 23 00-0287			**Auxiliary, Occupancy Sensor Power Packs** *(26 09 23 00-0283)*		
26 09 23 00-0288		EA	120, 277 Or 347 Volt AC, 20 Amp, Auxiliary Occupancy Sensor Power Pack (Watt Stopper S120/277/347E-P)	55.02	16.48
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.89*	
26 09 23 00-0289			**Universal Voltage, Power Packs For Occupancy Sensors** *(26 09 23 00-0283)*		
26 09 23 00-0290		EA	120/277 Volt AC, 20 Amp, Dual Voltage, Occupancy Sensor Power Pack (Watt Stopper BZ-100)	67.36	16.48
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.89*	
26 09 23 00-0291			**Form C, Occupancy Sensor Power Packs** *(26 09 23 00-0283)*		
26 09 23 00-0292		EA	120 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A120C-P)	65.60	16.48
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.89*	
26 09 23 00-0293		EA	277 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A277C-P)	65.60	16.48
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.89*	
26 09 23 00-0294			**Two Relay, Occupancy Sensor Power Packs** *(26 09 23 00-0283)*		
26 09 23 00-0295		EA	120 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C120E-P)	80.59	16.48
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.89*	
26 09 23 00-0296		EA	277 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C277E-P)	80.59	16.48
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.89*	
26 09 23 00-0297			**Occupancy Sensor Power Supplies** *(26 09 23 00-0283)*		
26 09 23 00-0298		EA	120 Volt AC, Occupancy Sensor Power Supply (Watt Stopper AT-120)	151.14	16.48
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.89*	
26 09 23 00-0299		EA	277 Volt AC, Occupancy Sensor Power Supply (Watt Stopper AT-277)	151.14	16.48
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.89*	
26 09 23 00-0300			**Intelligent, Occupancy Sensor Power Packs** *(26 09 23 00-0283)*		
26 09 23 00-0301		EA	120/277 Volt AC, Two Relays, Two Dimming Channels, Intelligent Occupancy Sensor Power Pack (Watt Stopper LC-100)	226.99	16.48
26 09 23 00-0302			**DIN Rail Mounted, Occupancy Sensor Power Packs** *(26 09 23 00-0283)*		
26 09 23 00-0303		EA	120/230/277 Volt AC, DIN Rail Mounted, Occupancy Sensor Power Pack (Watt Stopper BD-100)	70.01	16.48
26 09 23 00-0304			**Occupancy Sensor Accessories** *(26 09 23 00-0214)*		
26 09 23 00-0305			**Protective Cages For Occupancy Sensors** *(26 09 23 00-0304)*		
26 09 23 00-0306		EA	Protective Cage For Occupancy Sensors (Watt Stopper WC)	41.47	6.18
26 09 23 00-0307			**Mounting Brackets For Occupancy Sensors** *(26 09 23 00-0304)*		
26 09 23 00-0308		EA	Mounting Bracket For Occupancy Sensor (Watt Stopper MB) Note: Includes J-plate for mounting to HID fixtures or L-plate for mounting to fluorescent fixtures, walls, shelves and girders.	32.07	10.30
26 09 23 00-0309			**Occupancy/Lighting Logger** *(26 09 23 00-0304)* Note: Logs when a space is occupied/vacant and when lighting is on/off.		
26 09 23 00-0310		EA	Occupancy/Lighting Logger With Connector Cable (Watt Stopper IT-200)	309.05	35.04
26 09 23 00-0311			**Remove And Reinstall Occupancy Sensors** *(26 09 23 00-0304)*		
26 09 23 00-0312		EA	Remove And Reinstall Surface Mounted Occupancy Sensor Note: Includes storing and cleaning.	55.64	
26 09 23 00-0313		EA	Remove And Reinstall Wall Switch Mounted Occupancy Sensor Note: Includes storing and cleaning.	24.73	
26 09 23 00-0314			**Digital Time Light Switches** *(26 09 23 00-0214)*		
26 09 23 00-0315		EA	Preset Time, Wall Switch Mounted, Digital Time Light Switch (Watt Stopper TS-400)	67.63	8.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0316		Daylight Sensing Light Switches *(26 09 23 00-0214)*		
26 09 23 00-0317	EA	User Adjustable Light Level Settings, Daylight Sensing Light Switch (Watt Stopper LS-100)	90.56	8.24
26 09 23 00-0318		Occupancy Sensors (Sensor Switch) *(26 09 23)* Note: Includes testing of new devices and certification.		
26 09 23 00-0319		Occupancy Sensors (Sensor Switch) *(26 09 23 00-0318)* Note: Exclude boxes		
26 09 23 00-0320		Wall Switch Mount Occupancy Sensors (Sensor Switch) *(26 09 23 00-0319)*		
26 09 23 00-0321		Passive Infrared, Wall Switch Mount Occupancy Sensors (Sensor Switch) *(26 09 23 00-0320)*		
26 09 23 00-0322	EA	Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD LV)	98.98	8.24
26 09 23 00-0323	EA	Nightlight, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD NL)	71.48	8.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 09 23 00-0324	EA	Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD)	68.46	8.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 09 23 00-0325	EA	Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD SA)	68.46	8.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 09 23 00-0326	EA	2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD 2P)	85.23	8.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 09 23 00-0327	EA	Single Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS)	85.23	8.24
26 09 23 00-0328	EA	2-Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS 2P)	102.42	8.24
26 09 23 00-0329	EA	Single Pole, Passive Infrared, Internally Powered, Wall Switch Mount Occupancy Sensor (Sensor Switch IPD)	85.23	8.24
26 09 23 00-0330		Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch) *(26 09 23 00-0320)* Note: Includes passive infrared and microphonics detection		
26 09 23 00-0331	EA	Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT LV)	126.48	8.24
26 09 23 00-0332	EA	Nightlight, Line Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT NL)	98.98	8.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 09 23 00-0333	EA	Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT)	96.92	8.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 09 23 00-0334	EA	Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT SA)	96.92	8.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 09 23 00-0335	EA	2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT 2P)	112.73	8.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 09 23 00-0336	EA	Single Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT)	112.73	8.24
26 09 23 00-0337	EA	2-Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT 2P)	120.98	8.24
26 09 23 00-0338		Wall Switch Mount Occupancy Sensor Accessories (Sensor Switch) *(26 09 23 00-0320)*		
26 09 23 00-0339	EA	One Blank, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX)	9.63	2.06
26 09 23 00-0340	EA	One Switch, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX)	9.63	2.06
26 09 23 00-0341	EA	Two Blanks, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX 3)	17.88	2.06
26 09 23 00-0342	EA	Two Switches, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX 3)	17.88	2.06
26 09 23 00-0343		360 Degree View Occupancy Sensors (Sensor Switch) *(26 09 23 00-0319)*		
26 09 23 00-0344		Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch) *(26 09 23 00-0343)* Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0345	EA	Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 9)	119.60	18.54
26 09 23 00-0346	EA	Low Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 9)	119.60	18.54
26 09 23 00-0347	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 9)	119.60	18.54
26 09 23 00-0348	EA	Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9)	126.48	18.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 09 23 00-0349	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9)	126.48	18.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 09 23 00-0350	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9)	104.48	18.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 09 23 00-0351	EA	2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9 2P)	153.98	18.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 09 23 00-0352	EA	2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9 2P)	153.98	18.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 09 23 00-0353	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9 2P)	131.98	18.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0354		EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 10)	119.60	18.54
26 09 23 00-0355		EA	Low Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 10)	119.60	18.54
26 09 23 00-0356		EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 10)	119.60	18.54
26 09 23 00-0357		EA	Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10)	126.48	18.54
26 09 23 00-0358		EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10)	126.48	18.54
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 09 23 00-0359		EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10)	104.48	18.54
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 09 23 00-0360		EA	2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10 2P)	153.98	18.54
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 09 23 00-0361		EA	2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10 2P)	153.98	18.54
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 09 23 00-0362		EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10 2P)	131.98	18.54
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	

26 09 23 00-0363 Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch) *(26 09 23 00-0343)*

Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection

26 09 23 00-0364		EA	Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 9)	147.10	18.54
26 09 23 00-0365		EA	Low Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 9)	147.10	18.54
26 09 23 00-0366		EA	Low Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 9)	147.10	18.54
26 09 23 00-0367		EA	Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9)	140.22	18.54
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 09 23 00-0368		EA	Single Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9)	140.22	18.54
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 09 23 00-0369		EA	Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9)	118.22	18.54
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 09 23 00-0370		EA	2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9 2P)	167.72	18.54
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 09 23 00-0371		EA	2-Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9 2P)	167.72	18.54
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 09 23 00-0372		EA	2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9 2P)	145.72	18.54
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 09 23 00-0373		EA	Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 10)	147.10	18.54
26 09 23 00-0374		EA	Low Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 10)	147.10	18.54
26 09 23 00-0375		EA	Low Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 10)	147.10	18.54
26 09 23 00-0376		EA	Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10)	140.22	18.54
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 09 23 00-0377		EA	Single Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10)	140.22	18.54
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 09 23 00-0378		EA	Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10)	118.22	18.54
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 09 23 00-0379		EA	2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10 2P)	167.72	18.54
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 09 23 00-0380		EA	2-Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10 2P)	167.72	18.54
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 09 23 00-0381		EA	2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10 2P)	145.72	18.54
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	

26 09 23 00-0382 Wide View And Hallway Occupancy Sensors (Sensor Switch) *(26 09 23 00-0319)*

26 09 23 00-0383 Passive Infrared, Wide View And Hallway Occupancy Sensors (Sensor Switch) *(26 09 23 00-0382)*

26 09 23 00-0384		EA	Low Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV 16)	119.60	18.54
26 09 23 00-0385		EA	Low Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HW 13)	133.35	18.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0386	EA	Line Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HWR 13)	160.85	18.54
26 09 23 00-0387	EA	Single Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16)	153.98	18.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 09 23 00-0388	EA	2-Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16 2P)	181.48	18.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	

26 09 23 00-0389 Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch) *(26 09 23 00-0382)*

Note: Includes passive infrared and microphonics detection

26 09 23 00-0390	EA	Low Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV PDT 16)	147.10	18.54
26 09 23 00-0391	EA	Single Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16)	167.72	18.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 09 23 00-0392	EA	2-Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16 2P)	195.22	18.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	

26 09 23 00-0393 High Bay Occupancy Sensors (Sensor Switch) *(26 09 23 00-0319)*

26 09 23 00-0394 Passive Infrared, High Bay Occupancy Sensors (Sensor Switch) *(26 09 23 00-0393)*

26 09 23 00-0395	EA	Low Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CM 6)	119.60	18.54
26 09 23 00-0396	EA	Low Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RM 6)	119.60	18.54
26 09 23 00-0397	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMB 6)	119.60	18.54
26 09 23 00-0398	EA	Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6)	104.48	18.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 09 23 00-0399	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6)	104.48	18.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 09 23 00-0400	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6)	104.48	18.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 09 23 00-0401	EA	2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 2P)	131.98	18.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 09 23 00-0402	EA	2-Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 2P)	131.98	18.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 09 23 00-0403	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 2P)	131.98	18.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 09 23 00-0404	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 208)	114.10	18.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 09 23 00-0405	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 208)	114.10	18.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 09 23 00-0406	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 208)	114.10	18.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 09 23 00-0407	EA	480 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 480)	114.10	18.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 09 23 00-0408	EA	480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 480)	114.10	18.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 09 23 00-0409	EA	480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 480)	114.10	18.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 09 23 00-0410	EA	Low Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 50)	133.35	18.54
26 09 23 00-0411	EA	Low Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RM 50)	133.35	18.54
26 09 23 00-0412	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMB 50)	133.35	18.54
26 09 23 00-0413	EA	Single Pole, Line Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 50)	159.48	18.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 09 23 00-0414	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50)	159.48	18.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 09 23 00-0415	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50)	159.48	18.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 09 23 00-0416	EA	2-Pole, Line Voltage, Recessed Mount, Passive Infrared, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 2P)	141.60	18.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	

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		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0417	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 2P)	141.60	18.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 09 23 00-0418	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 208)	120.98	18.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 09 23 00-0419	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 208)	120.98	18.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 09 23 00-0420	EA	480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 480)	120.98	18.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 09 23 00-0421	EA	480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 480)	120.98	18.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 09 23 00-0422	EA	Low Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 10)	133.35	18.54
26 09 23 00-0423	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMB 10)	133.35	18.54
26 09 23 00-0424	EA	Single Pole, Line Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 10)	159.48	18.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 09 23 00-0425	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10)	159.48	18.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 09 23 00-0426	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 2P)	153.98	18.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 09 23 00-0427	EA	480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 480)	140.22	18.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 09 23 00-0428	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 208)	140.22	18.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	

26 09 23 00-0429 Occupancy Sensor Power Packs (Sensor Switch) *(26 09 23 00-0318)*

26 09 23 00-0430	EA	Single Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20)	71.47	16.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.89*	
26 09 23 00-0431	EA	2-Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20 2P)	98.97	16.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.89*	
26 09 23 00-0432	EA	Single Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Power Pack Without Relay Circuit Protection (Sensor Switch MP20)	57.72	16.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.89*	
26 09 23 00-0433	EA	2-Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Slave Pack Without Relay Circuit Protection (Sensor Switch MSP20)	53.59	16.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.89*	
26 09 23 00-0434	EA	20 Amp, 120/277 Volt AC, Occupancy Sensor Slave Pack (Sensor Switch SP20)	67.35	16.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.89*	
26 09 23 00-0435	EA	120/277 Volt AC, High Intensity Discharge (HID) Power Pack With 20 Minute Start To High Override (Sensor Switch PP20 SH)	101.72	16.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.89*	
26 09 23 00-0436	EA	120/277 Volt AC, 2-Pole, Power Pack With Alternating Relays (Sensor Switch PP 2PAR)	101.72	16.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.89*	
26 09 23 00-0437	EA	120/277 Volt AC, Power Pack With Momentary Contacts For Latching Contactors Or Relays (Sensor Switch PP 2PM)	101.72	16.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.89*	

26 09 23 00-0438 Occupancy Sensor Accessories (Sensor Switch) *(26 09 23 00-0318)*

26 09 23 00-0439 Remove And Reinstall Occupancy Sensors *(26 09 23 00-0438)*

26 09 23 00-0440	EA	Remove And Reinstall Wall Switch Mounted Occupancy Sensor Note: Includes storing and cleaning.	24.73	
26 09 23 00-0441	EA	Remove And Reinstall Surface Mounted Occupancy Sensor Note: Includes storing and cleaning.	55.64	

26 09 23 00-0442 Daylighting Control (Sensor Switch) *(26 09 23 00-0318)*

26 09 23 00-0443	EA	Low Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CM PC)	105.85	18.54
26 09 23 00-0444	EA	Low Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RM PC)	105.85	18.54
26 09 23 00-0445	EA	Low Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMB PC)	105.85	18.54
26 09 23 00-0446	EA	Line Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CMR PC)	105.85	18.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 09 23 00-0447	EA	Line Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RMR PC)	105.85	18.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 09 23 00-0448	EA	Line Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMRB PC)	105.85	18.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 09 23 00-0449	EA	Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CM ADC)	105.85	18.54
26 09 23 00-0450	EA	Low Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RM ADC)	105.85	18.54
26 09 23 00-0451	EA	Low Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMB ADC)	105.85	18.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0452	EA	Line Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CMR ADC)	105.85	18.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 09 23 00-0453	EA	Line Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RMR ADC)	105.85	18.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 09 23 00-0454	EA	Line Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMRB ADC)	105.85	18.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 09 23 00-0455	EA	Low Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CM PC ADC)	147.10	18.54
26 09 23 00-0456	EA	Low Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RM PC ADC)	147.10	18.54
26 09 23 00-0457	EA	Low Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMB PC ADC)	147.10	18.54
26 09 23 00-0458	EA	Line Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMR PC ADC)	147.10	18.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 09 23 00-0459	EA	Line Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RMR PC ADC)	147.10	18.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 09 23 00-0460	EA	Line Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMRB PC ADC)	147.10	18.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	

26 09 23 00-0461 Occupancy Sensors (Sensor Switch nLight®) *(26 09 23)*

Note: Includes testing of new devices and certification.

26 09 23 00-0462 Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0461)*

Note: Excludes boxes.

26 09 23 00-0463 Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0462)*

26 09 23 00-0464 Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0463)*

Note: Includes passive infrared and microphonics detection

26 09 23 00-0465	EA	Low Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor With Raise/Lower Dim Control (Sensor Switch nLight® nWSX PDT LV DX)	173.50	8.24

26 09 23 00-0466 360 Degree View Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0462)*

26 09 23 00-0467 Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0466)*

Note: One photocell or dimming option per occupancy sensor

26 09 23 00-0468	EA	Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 9)	209.64	18.54
26 09 23 00-0469	EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 10)	209.64	18.54
26 09 23 00-0470	EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor With Auto Dimming Control Photocell (Sensor Switch nLight® nCM 10 ADC)	209.64	18.54

26 09 23 00-0471 Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0466)*

Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection

26 09 23 00-0472	EA	Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 9)	244.15	18.54
26 09 23 00-0473	EA	Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10)	244.15	18.54
26 09 23 00-0474	EA	2-Channel, Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10 2P)	252.77	18.54

26 09 23 00-0475 Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0462)*

26 09 23 00-0476 Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0475)*

Note: Includes passive infrared and microphonics detection

26 09 23 00-0477	EA	Low Voltage, Dual Technology, Corner/Ceiling Mount, Wide View Occupancy Sensor (Sensor Switch nLight® nWV PDT 16)	244.15	18.54

26 09 23 00-0478 High Bay Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0462)*

26 09 23 00-0479 Passive Infrared, High Bay Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0478)*

26 09 23 00-0480	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch nLight® nCMB 6)	209.64	18.54

26 09 23 00-0481 Occupancy Sensor Power Packs (Sensor Switch nLight®) *(26 09 23 00-0461)*

26 09 23 00-0482	EA	150mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-150)	76.10	16.48
26 09 23 00-0483	EA	250mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-250)	93.37	16.48
26 09 23 00-0484	EA	30mA/Port At 15 Volt DC Output, 120-277 Volt AC Input, Dimming Power Pack (Sensor Switch nLight® nEPP5 D KO)	122.69	16.48
26 09 23 00-0485	EA	System Power Pack and Relay, Switching Module (Sensor Switch nLight® nPP 16)	122.69	16.48

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0486		Occupancy Sensor Accessories (Sensor Switch nLight®) *(26 09 23 00-0461)*		
26 09 23 00-0487	EA	RS232 AV Integrator (Sensor Switch nLight® nIO X)	252.77	18.54
26 09 23 00-0488	EA	8 Port, Aggregation Bridge With Power Supply (Sensor Switch nLight® nBRG 8 KIT)	339.07	18.54
26 09 23 00-0489		Daylighting Controls (Sensor Switch nLight®) *(26 09 23 00-0461)*		
26 09 23 00-0490	EA	Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch nLight® nCM ADC)	175.14	18.54
26 09 23 00-0491		Controls (Sensor Switch nLight®) *(26 09 23 00-0461)*		
26 09 23 00-0492	EA	On/Off And Raise/Lower Control, Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM DX)	118.20	18.54
26 09 23 00-0493	EA	1 Scene Controller (2 Buttons), Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM 1SB)	166.52	18.54
26 09 23 00-0494	EA	On/Off Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM)	373.56	18.54
26 09 23 00-0495	EA	3-1/2" Screen, High Resolution Touch Screen Controller, WallPod® Station (Sensor Switch nLight® nPOD GFX)	373.56	18.54
26 09 23 00-0496	EA	3-1/2" Screen, Touch Screen Clock And Network Interface Controller, Gateway (Sensor Switch nLight® nGWY2)	1,374.32	18.54
26 09 23 00-0497		Occupancy Sensors (Lutron) *(26 09 23)* Note: Includes testing of new devices and certification.		
26 09 23 00-0498		Wireless Occupancy Sensors *(26 09 23 00-0497)*		
26 09 23 00-0499	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Occupancy/Vacancy Sensor (Lutron® LRF2-OCR2B-P-WH)	94.83	18.54
26 09 23 00-0500	EA	Wireless, Passive Infrared, Hallway Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OHLB-P-WH)	94.83	18.54
26 09 23 00-0501	EA	Wireless, Passive Infrared, Hallway Wall Mount, Vacancy Sensor (Lutron® LRF2-VHLB-P-WH)	94.83	18.54
26 09 23 00-0502	EA	Wireless, Passive Infrared, 90 Degree Corner Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OKLB-P-WH)	94.83	18.54
26 09 23 00-0503	EA	Wireless, Passive Infrared, 90 Degree Corner Mount, Vacancy Sensor (Lutron® LRF2-VKLB-P-WH)	94.83	18.54
26 09 23 00-0504	EA	Wireless, Passive Infrared, 180 Degree Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OWLB-P-WH)	94.83	18.54
26 09 23 00-0505	EA	Wireless, Passive Infrared, 180 Degree Wall Mount, Vacancy Sensor (Lutron® LRF2-VWLB-P-WH)	94.83	18.54
26 09 23 00-0506	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Lutron® FHB140NP24V)	67.52	18.54
26 09 23 00-0507	EA	Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-500-WH)	138.34	18.54
26 09 23 00-0508	EA	Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-500R-WH)	146.77	18.54
26 09 23 00-0509	EA	Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-1000-WH)	171.94	18.54
26 09 23 00-0510	EA	Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-1000R-WH)	185.84	18.54
26 09 23 00-0511	EA	Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CDT-2000-WH)	185.23	18.54
26 09 23 00-0512	EA	Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-2000R-WH)	196.96	18.54
26 09 23 00-0513	EA	Wireless, Passive Infrared, Ceiling Mount, 450 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-450-WH)	129.59	18.54
26 09 23 00-0514	EA	Wireless, Passive Infrared, Ceiling Mount, 1,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-1500-WH)	115.18	18.54
26 09 23 00-0515	EA	Wireless, Ultrasonic, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-500-WH)	146.10	18.54
26 09 23 00-0516	EA	Wireless, Ultrasonic, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-1000-WH)	151.98	18.54
26 09 23 00-0517	EA	Wireless, Ultrasonic, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CUS-2000-WH)	178.95	18.54
26 09 23 00-0518	EA	Wireless, Passive Infrared, 1,600 SF Coverage, 110 Degree Wall Mount, Occupancy Sensor (Lutron® LOS-WIR-WH)	149.45	18.54
26 09 23 00-0519		Nodes And Modules *(26 09 23 00-0497)*		
26 09 23 00-0520	EA	0 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-C)	132.18	18.54
26 09 23 00-0521	EA	0 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-J)	132.18	18.54
26 09 23 00-0522	EA	4 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-C)	170.21	18.54
26 09 23 00-0523	EA	4 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-J)	170.21	18.54
26 09 23 00-0524	EA	120 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-120-WH)	229.24	20.61
26 09 23 00-0525	EA	120 Volt, Gang Box Mount, Switching Power Module (Lutron® PHPM-SW-DV-WH)	243.34	20.61
26 09 23 00-0526	EA	120 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-120-WH)	285.39	20.61
26 09 23 00-0527	EA	120 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-120-WH)	286.97	20.61
26 09 23 00-0528	EA	120/277 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-DV-WH)	354.90	20.61
26 09 23 00-0529	EA	120/277 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-DV-WH)	386.76	20.61
26 09 23 00-0530	EA	120/277 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-DV-WH)	372.66	20.61
26 09 23 00-0531	EA	1 Circuit, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-2)	868.18	32.97
26 09 23 00-0532	EA	2 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-4)	1,148.88	37.10
26 09 23 00-0533	EA	3 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-6)	1,434.44	41.21
26 09 23 00-0534		Other Accessories *(26 09 23 00-0497)*		
26 09 23 00-0535	EA	Pico® Wireless Control Wallplate Adapter (Lutron® PJ)	26.37	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0536	EA	Pico® Wireless Control (Lutron® PJ)	43.64	
26 09 23 00-0537	EA	4-Scene Wireless Remote Control (Lutron® GRX-IT-WH)	77.85	
26 09 23 00-0538	EA	8-Scene Wireless Remote Control (Lutron® GRX-8IT-WH)	159.88	
26 09 23 00-0539	EA	4 Button, EcoSystem® Wall Control With Raise/Lower (Lutron® CC-4BRL)	152.39	18.54
26 09 23 00-0540	EA	seeTouch® QS Wallstation (Lutron® QSWS2)	224.44	18.54
26 09 23 00-0541	EA	seeTouch® QS Wallstation With Infrared Receiver (Lutron® QSWS2)	253.26	18.54
26 09 23 00-0542	EA	120/277 Volt, Energi Savr Node™ With Softswitch®, Fixture Controller (Lutron® QSN-4S16-S)	358.25	20.61
26 09 23 00-0543	EA	120/277 Volt, Energi Savr Node™ For 0-10 V Models, Fixture Controller (Lutron® QSN-4T16-S)	473.54	20.61
26 09 23 00-0544	EA	Control Interface (Lutron® QSE-CI-NWK-E)	577.52	18.54
26 09 23 00-0545	EA	1 EcoSystem® Digital Link, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-1ECO-S)	582.06	18.54
26 09 23 00-0546	EA	2 EcoSystem® Digital Links, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-2ECO-S)	776.69	18.54
26 09 23 00-0547	MLF	5 Conductor, Non-Plenum, Low Voltage Grafik Eye Cable (Lutron® GRX-CBL-346S)	1,441.85	576.05
26 09 23 00-0548	MLF	5 Conductor, Plenum Rated, Low Voltage Grafik Eye Cable (Lutron® GRX-PCBL-346S)	1,899.70	576.05
26 09 23 00-0549		Fixture Mounted Occupancy Sensors (Leviton) *(26 09 23)*		
		Note: Includes testing of new devices and certification.		
26 09 23 00-0550	EA	120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-ITW)	96.25	18.54
26 09 23 00-0551	EA	480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-I4W)	105.15	18.54
26 09 23 00-0552	EA	120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-CTW)	101.49	18.54
26 09 23 00-0553	EA	480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-C4W)	112.05	18.54
26 09 23 00-0554		Wireless Enabled Communication Devices For Streetlights *(26 09 23)*		
		Note: Includes testing of new devices and certification.		
26 09 23 00-0555		Wireless Enabled Communication Devices For Streetlights (Roam®) *(26 09 23 00-0554)*		
26 09 23 00-0556		Wireless Enabled Communication Nodes For Streetlights (Roam®) *(26 09 23 00-0555)*		
		Note: 2.4GHz wireless enabled communication node for wireless remote on/off, group scheduling, photocontrol and diagnostics.		
26 09 23 00-0557	EA	120/244/277 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN127 NM1)	178.43	
26 09 23 00-0558	EA	480 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN480 NM1)	247.44	
26 09 23 00-0559		Wireless Enabled Communication Devices For Streetlights (Roam®) *(26 09 23 00-0555)*		
26 09 23 00-0560	EA	Retrofit Receptacle Kit (Roam® DUR103)	35.22	
		Note: For adapting light fixtures for use with a NEMA locking type photocontrol.		
26 09 23 00-0561	EA	Wireless Enabled Backbone And Data Backhaul Device, Gateway (Roam® REG127)	6,994.30	46.25
26 09 23 00-0562		Consoles *(26 09 23)*		
26 09 23 00-0563	EA	20" X 24" Oil Tight Console, Counter Mounted	365.84	102.86
26 09 23 00-0564		Emergency Lighting Controls *(26 09 23)*		
26 09 23 00-0565		Emergency Lighting Control Units (Watt Stopper ELCU) *(26 09 23 00-0564)*		
		Note: The ELCU monitors a single circuit and can be wired either as a control device, so that emergency lighting follows the control of normal lighting, or as a bypass device to shunt emergency power around a control device when normal power fails. Includes integral push-to-test button and LED indicator for emergency and normal power.		
26 09 23 00-0566	EA	DIN Rail Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-100)	144.11	20.61
26 09 23 00-0567	EA	1/2" Knockout Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-200)	140.96	20.61
26 09 23 00-0568		Emergency Shunt Relays (Lighting Control & Design GR 2001™) *(26 09 23 00-0564)*		
		Note: Normally-closed, electrically-held relay to be wired in parallel with a wall switch. Manually controlled emergency lighting will be automatically shunted on during a power outage. Includes two-gang NEMA 1 junction box, voltage-separating barrier and plaster ring separating normal and emergency power. Excludes wall plate and switch.		
26 09 23 00-0569	EA	1 Emergency Shunt Relay And NEMA 1 Enclosure (Lighting Control & Design GR 2001™)	213.57	28.85
26 09 23 00-0570	EA	2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™)	288.55	32.97
26 09 23 00-0571	EA	2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™ Dual)	385.92	37.10
		Note: Controls normal and emergency lighting from single-pole wall switch.		

26 10 Medium-Voltage Electrical Distribution *(26)*

26 11 Substations *(26 10)*

26 11 13 Primary Unit Substations *(26 11)*

26 11 13 00-0001		"Switchyard" Substation Primary Incoming Section *(26 11 13)*		
26 11 13 00-0002		Outdoor Oil Circuit Breakers "Switchyard" *(26 11 13 00-0001)*		
		Note: Type SP 14.4 thru 69 KV 1200 amp. Frame mounted. Standard equipment		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0003	EA	14.4 KV, 500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation	33,072.49	1,426.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*870.82*	
26 11 13 00-0004	EA	23.0 KV, 750 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation	40,586.37	1,804.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,088.52*	
26 11 13 00-0005	EA	34.5 KV, 1,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation	45,866.08	1,804.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,088.52*	
26 11 13 00-0006	EA	46 KV, 2,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation	52,670.23	1,804.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,161.08*	
26 11 13 00-0007	EA	69 KV, 3,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation	59,772.33	2,224.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,339.72*	

26 11 13 00-0008 Accessories For Outdoor Oil Circuit Breakers *(26 11 13 00-0001)*

26 11 13 00-0009	EA	Reclosure Relay, Adjustable, 3 Shot, #179	957.53	150.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.09*	
26 11 13 00-0010	EA	Overcurrent Relay, 1 Phase, #51/51N	327.64	109.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*59.42*	
26 11 13 00-0011	EA	Directional Overcurrent Relay, Three-Phase, Device No. 67	479.27	109.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.04*	
26 11 13 00-0012	EA	Voltage Relay, Under Or Over- Voltage, Device No. 27 Or 59, Three-Phase	379.72	109.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*59.42*	
26 11 13 00-0013	EA	Differential Relay Package, Complete, Device No. 87	1,420.74	368.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*222.59*	

26 11 13 00-0014 "Switchyard", Substation Transformer Section *(26 11 13)*

Note: Standard NEMA design two winding three phase, 60 Hz. oil filled load tap changer 10% Range

26 11 13 00-0015 14.4 KV Nominal Primary *(26 11 13 00-0014)*

26 11 13 00-0016	EA	1,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	19,336.48	1,426.88
		For 50 Hz Operation, Add	*1,972.05*	
		For Forced Air Cooling, Add	*1,972.05*	
		For External Control Panel, Add	*493.01*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*164.34*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*821.69*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*2,054.22*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*2,465.06*	
26 11 13 00-0017	EA	2,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	22,181.42	1,787.79
		For 50 Hz Operation, Add	*2,226.36*	
		For Forced Air Cooling, Add	*2,226.36*	
		For External Control Panel, Add	*556.59*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*185.53*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*927.65*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*2,319.13*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*2,782.95*	
26 11 13 00-0018	EA	5,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	34,029.79	2,518.02
		For 50 Hz Operation, Add	*3,464.33*	
		For Forced Air Cooling, Add	*3,464.33*	
		For External Control Panel, Add	*866.08*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*288.69*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*1,443.47*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*3,608.68*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*4,330.41*	
26 11 13 00-0019	EA	7,500 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	49,121.69	3,037.47
		For 50 Hz Operation, Add	*5,108.43*	
		For Forced Air Cooling, Add	*5,108.43*	
		For External Control Panel, Add	*1,277.11*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*425.70*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*2,128.51*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*5,321.29*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*6,385.54*	
26 11 13 00-0020	EA	10,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	60,545.85	3,930.84
		For 50 Hz Operation, Add	*6,282.79*	
		For Forced Air Cooling, Add	*6,282.79*	
		For External Control Panel, Add	*1,570.70*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*523.57*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*2,617.83*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*6,544.57*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*7,853.49*	

26 11 13 00-0021 23 KV Nominal Primary *(26 11 13 00-0014)*

26 11 13 00-0022	EA	1,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	21,705.95	1,930.48
		For 50 Hz Operation, Add	*2,169.31*	
		For External Control Panel, Add	*542.33*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*180.78*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*903.88*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*2,259.69*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*2,711.63*	
		For Forced Air Cooling, Add	*1,446.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0023	EA	2,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	24,837.62	1,930.48
		For 50 Hz Operation, Add	*2,454.74*	
		For External Control Panel, Add	*613.68*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*204.56*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*1,022.81*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*2,557.02*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*3,068.42*	
		For Forced Air Cooling, Add	*1,636.49*	
26 11 13 00-0024	EA	5,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	39,567.99	2,853.76
		For 50 Hz Operation, Add	*4,051.51*	
		For External Control Panel, Add	*1,012.88*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*337.63*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*1,688.13*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*4,220.32*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*5,064.38*	
		For Forced Air Cooling, Add	*2,701.00*	
26 11 13 00-0025	EA	7,500 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	53,206.14	3,930.84
		For 50 Hz Operation, Add	*5,402.03*	
		For External Control Panel, Add	*1,350.51*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*450.17*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*2,250.84*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*5,627.11*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*6,752.53*	
		For Forced Air Cooling, Add	*3,601.35*	
26 11 13 00-0026	EA	10,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	65,439.01	3,930.84
		For 50 Hz Operation, Add	*6,869.97*	
		For External Control Panel, Add	*1,717.49*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*572.50*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*2,862.49*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*7,156.22*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*8,587.46*	
		For Forced Air Cooling, Add	*4,579.98*	
26 11 13 00-0027		**34.5 KV Nominal Primary** *(26 11 13 00-0014)*		
26 11 13 00-0028	EA	1,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	27,216.23	2,308.18
		For 50 Hz Operation, Add	*2,740.17*	
		For External Control Panel, Add	*685.04*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*228.35*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*1,141.74*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*2,854.35*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*3,425.22*	
		For Forced Air Cooling, Add	*1,826.78*	
26 11 13 00-0029	EA	2,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	32,869.67	3,609.17
		For 50 Hz Operation, Add	*3,311.04*	
		For External Control Panel, Add	*827.76*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*275.92*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*1,379.60*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*3,449.00*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*4,138.80*	
		For Forced Air Cooling, Add	*2,207.36*	
26 11 13 00-0030	EA	5,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	45,423.43	3,609.17
		For 50 Hz Operation, Add	*4,580.00*	
		For External Control Panel, Add	*1,145.00*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*381.67*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*1,908.33*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*4,770.83*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*5,725.00*	
		For Forced Air Cooling, Add	*3,053.33*	
26 11 13 00-0031	EA	7,500 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	58,099.25	3,841.51
		For 50 Hz Operation, Add	*5,989.20*	
		For External Control Panel, Add	*1,497.30*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*499.10*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*2,495.50*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*6,238.75*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*7,486.50*	
		For Forced Air Cooling, Add	*3,992.80*	
26 11 13 00-0032	EA	10,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	99,537.45	4,913.55
		For 50 Hz Operation, Add	*10,686.62*	
		For External Control Panel, Add	*2,671.66*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*890.55*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*4,452.76*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*11,131.90*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*13,358.28*	
		For Forced Air Cooling, Add	*7,124.42*	
26 11 13 00-0033		**46 KV Nominal Primary** *(26 11 13 00-0014)*		
26 11 13 00-0034	EA	1,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	41,400.89	2,685.89
		For 50 Hz Operation, Add	*4,334.79*	
		For External Control Panel, Add	*1,083.70*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*361.23*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*1,806.16*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*4,515.40*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*5,418.48*	
		For Forced Air Cooling, Add	*2,889.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0035	EA	2,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	46,758.89	2,685.89
		For 50 Hz Operation, Add	*4,914.41*	
		For External Control Panel, Add	*1,228.60*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*409.53*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*2,047.67*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*5,119.18*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*6,143.02*	
		For Forced Air Cooling, Add	*3,276.28*	
26 11 13 00-0036	EA	5,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	64,589.89	3,609.17
		For 50 Hz Operation, Add	*6,879.97*	
		For External Control Panel, Add	*1,719.99*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*573.33*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*2,866.66*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*7,166.64*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*8,599.97*	
		For Forced Air Cooling, Add	*4,586.65*	
26 11 13 00-0037	EA	7,500 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	79,374.69	4,913.55
		For 50 Hz Operation, Add	*8,267.09*	
		For External Control Panel, Add	*2,066.77*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*688.92*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*3,444.62*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*8,611.56*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*10,333.87*	
		For Forced Air Cooling, Add	*5,511.40*	
26 11 13 00-0038	EA	10,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	111,800.63	4,913.55
		For 50 Hz Operation, Add	*12,158.21*	
		For External Control Panel, Add	*3,039.55*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,013.18*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*5,065.92*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*12,664.80*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*15,197.76*	
		For Forced Air Cooling, Add	*8,105.47*	
26 11 13 00-0039		**69 KV Nominal Primary** *(26 11 13 00-0014)*		
26 11 13 00-0040	EA	1,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	59,179.48	2,853.76
		For 50 Hz Operation, Add	*6,404.88*	
		For External Control Panel, Add	*1,601.22*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*533.74*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*2,668.70*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*6,671.76*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*8,006.11*	
		For Forced Air Cooling, Add	*4,269.92*	
26 11 13 00-0041	EA	2,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	68,106.71	3,609.17
		For 50 Hz Operation, Add	*7,301.99*	
		For External Control Panel, Add	*1,825.50*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*608.50*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*3,042.50*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*7,606.24*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*9,127.49*	
		For Forced Air Cooling, Add	*4,867.99*	
26 11 13 00-0042	EA	5,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	92,967.02	3,609.17
		For 50 Hz Operation, Add	*10,285.23*	
		For External Control Panel, Add	*2,571.31*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*857.10*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*4,285.51*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*10,713.78*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*12,856.53*	
		For Forced Air Cooling, Add	*6,856.82*	
26 11 13 00-0043	EA	7,500 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	99,181.65	4,913.55
		For 50 Hz Operation, Add	*10,643.93*	
		For External Control Panel, Add	*2,660.98*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*886.99*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*4,434.97*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*11,087.43*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*13,304.91*	
		For Forced Air Cooling, Add	*7,095.95*	
26 11 13 00-0044	EA	10,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	129,124.76	4,913.55
		For 50 Hz Operation, Add	*14,237.10*	
		For External Control Panel, Add	*3,559.28*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,186.43*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*5,932.13*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*14,830.31*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*17,796.38*	
		For Forced Air Cooling, Add	*9,491.40*	
26 11 13 00-0045		**Circuit Breakers Fluarc SF6 13.8 KV** *(26 11 13)*		
26 11 13 00-0046	EA	1,200 Amp, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	35,038.02	707.22
26 11 13 00-0047	EA	1,200 Amp, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	38,433.09	707.22
26 11 13 00-0048	EA	1,200 Amp, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	43,795.87	878.48
26 11 13 00-0049	EA	2,000 Amp, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	41,077.60	1,056.33
26 11 13 00-0050	EA	2,000 Amp, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	46,206.56	1,056.33
26 11 13 00-0051	EA	2,000 Amp, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	52,726.50	1,227.22
26 11 13 00-0052	EA	3,000 Amp, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	54,428.00	1,402.10
26 11 13 00-0053	EA	3,000 Amp, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	60,813.85	1,402.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0054	EA	3,000 Amp, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	63,796.82	1,574.57

26 11 16 Secondary Unit Substations *(26 11)*

26 11 16 00-0001 Substation Primary Incoming Section *(26 11 16)*

26 11 16 00-0002 Manual Transferring Fused Load Break Switches *(26 11 16 00-0001)*

Note: 15 KV 600 Amp 3 pole 2 position floor mounted. Type, metal compartment includes weatherproofing, fuses, transformer throat, pothead terminations thru 500 MCM, with surge protection. Manual transferring of one line to an alternate incoming line.

26 11 16 00-0003	EA	112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amp, 3 Pole, 2 Position	21,148.64	1,038.53
26 11 16 00-0004	EA	2,000 And 2,500 KVA Transformers Load Switch, 600 Amp, 3 Pole, 2 Position	24,337.66	1,038.53

26 11 16 00-0005 Automatic Transferring Fused Load Break Switches *(26 11 16 00-0001)*

Note: Items are equipped with 3 pole - 2 position selector switch for automatic transferring one line to an alternate incoming line.

26 11 16 00-0006	EA	112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amp, 3 Pole, 2 Position Selector Switch	29,844.11	1,038.53
26 11 16 00-0007	EA	2,000 And 2,500 KVA Transformers Load Switch, 600 Amp, 3 Pole, 2 Position Selector Switch	31,919.55	1,038.53

26 11 16 00-0008 Accessories For Substation Fused Load Break Switches *(26 11 16 00-0001)*

26 11 16 00-0009	EA	Primary Lightning Arrestors Accessories, Secondary Distribution Section	5,127.58	
26 11 16 00-0010	EA	Key Interlock Accessories, Secondary Distribution Section	499.10	

26 11 16 00-0011 Oil Filled Substation Transformers *(26 11 16)*

Note: 112-1/2 KVA thru 2500 KVA standard NEMA design 3 phase cover mounted manual tap changer, liquid level gauge with alarm contacts, thermometer with alarm contacts, pressure vacuum gauge, automatic control for auxiliary cooling equipment. Weatherproof.

26 11 16 00-0012 Substation, Primary 13.8 KV Secondary 480Y/277 V Or 480 V 60 HZ *(26 11 16 00-0011)*

26 11 16 00-0013	EA	75 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	9,652.63	587.54
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*593.43*	
		For Control Power Transformer On Fans And Auxiliary, Add	*254.33*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*84.78*	
26 11 16 00-0014	EA	112.5 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	13,921.38	629.51
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*886.37*	
		For Control Power Transformer On Fans And Auxiliary, Add	*379.87*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*126.62*	
26 11 16 00-0015	EA	150 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	15,694.25	671.47
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*1,004.59*	
		For Control Power Transformer On Fans And Auxiliary, Add	*430.54*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*143.51*	
26 11 16 00-0016	EA	225 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	18,338.29	713.43
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*1,183.80*	
		For Control Power Transformer On Fans And Auxiliary, Add	*507.34*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*169.11*	
26 11 16 00-0017	EA	300 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	20,200.63	755.41
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*1,308.29*	
		For Control Power Transformer On Fans And Auxiliary, Add	*560.69*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*186.90*	
26 11 16 00-0018	EA	500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	21,324.14	797.37
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*1,381.06*	
		For Control Power Transformer On Fans And Auxiliary, Add	*591.88*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*197.29*	
26 11 16 00-0019	EA	750 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	24,689.75	1,804.58
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*1,610.77*	
		For Control Power Transformer On Fans And Auxiliary, Add	*690.33*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*230.11*	
26 11 16 00-0020	EA	1,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	26,354.65	944.26
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*1,712.63*	
		For Control Power Transformer On Fans And Auxiliary, Add	*733.98*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*244.66*	
26 11 16 00-0021	EA	1,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	29,400.10	1,007.20
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*1,917.00*	
		For Control Power Transformer On Fans And Auxiliary, Add	*821.57*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*273.86*	
26 11 16 00-0022	EA	2,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	33,992.81	1,091.14
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*2,226.74*	
		For Control Power Transformer On Fans And Auxiliary, Add	*954.32*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*318.11*	
26 11 16 00-0023	EA	2,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	37,306.25	1,175.07
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*2,446.93*	
		For Control Power Transformer On Fans And Auxiliary, Add	*1,048.68*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*349.56*	

26 11 16 00-0024 Substation, Primary 13.8 KV Secondary 208Y/120 V 60 HZ *(26 11 16 00-0011)*

26 11 16 00-0025	EA	75 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	9,229.70	587.54
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*563.82*	
		For Control Power Transformer On Fans And Auxiliary, Add	*241.64*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*80.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 00-0026	EA	112.5 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	13,784.23	629.51
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*876.77*	
		For Control Power Transformer On Fans And Auxiliary, Add	*375.76*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*125.25*	
26 11 16 00-0027	EA	150 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	15,684.89	671.47
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*1,003.94*	
		For Control Power Transformer On Fans And Auxiliary, Add	*430.26*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*143.42*	
26 11 16 00-0028	EA	225 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	18,354.39	713.43
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*1,184.93*	
		For Control Power Transformer On Fans And Auxiliary, Add	*507.83*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*169.28*	
26 11 16 00-0029	EA	300 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	21,844.05	755.41
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*1,423.33*	
		For Control Power Transformer On Fans And Auxiliary, Add	*610.00*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*203.33*	
26 11 16 00-0030	EA	500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	23,370.50	797.37
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*1,524.30*	
		For Control Power Transformer On Fans And Auxiliary, Add	*653.27*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*217.76*	
26 11 16 00-0031	EA	750 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	25,634.68	839.34
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*1,676.92*	
		For Control Power Transformer On Fans And Auxiliary, Add	*718.68*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*239.56*	
26 11 16 00-0032	EA	1,000 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	27,982.38	944.26
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*1,826.57*	
		For Control Power Transformer On Fans And Auxiliary, Add	*782.82*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*260.94*	
26 11 16 00-0033	EA	1,500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	31,505.00	1,007.20
		For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*2,064.34*	
		For Control Power Transformer On Fans And Auxiliary, Add	*884.72*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*294.91*	

26 11 16 00-0034 Accessories For Oil Filled Substation Transformers *(26 11 16 00-0011)*

26 11 16 00-0035	EA	Sudden Pressure Relay	2,569.52	
26 11 16 00-0036	EA	Throats Or Flanges (HV Or LV)	5,101.36	
26 11 16 00-0037	EA	Lightning Arrestors (3 - 1 Pole)	3,359.05	
26 11 16 00-0038	EA	Single Feeder Switch With Fuses 3 Pole, 2 Position, Open-Close Close) Fuse Type - CLE (80E To 125 X)	18,641.04	
26 11 16 00-0039	EA	Oil Fuse Cutout, 15 KV, 200 Amp, Free Standing Air Filled Terminal Compartment, 15 KV - 200 Amp Cutout	17,440.55	

26 11 16 00-0040 Reinforced Concrete Curb With 6" Slab *(26 11 16 00-0011)*

Note: For transformer liquid containment area.

26 11 16 00-0041	EA	112.5 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	3,213.56	951.35
26 11 16 00-0042	EA	150 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	3,213.56	951.35
26 11 16 00-0043	EA	225 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	3,213.56	951.35
26 11 16 00-0044	EA	300 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	3,213.56	951.35
26 11 16 00-0045	EA	500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	3,213.56	951.35
26 11 16 00-0046	EA	750 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	3,213.56	951.35
26 11 16 00-0047	EA	1,000 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	3,213.56	951.35
26 11 16 00-0048	EA	1,500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid	3,748.28	1,096.92

26 11 16 00-0049 Dry Type Substation Transformer *(26 11 16)*

Note: Standard NEMA design 3 phase - 150 C rise - 60 Hz self-cooled, ventilated.

26 11 16 00-0050 Primary 4.16 Or 4.8 KV Secondary 208 Y/120 Or 240 V *(26 11 16 00-0049)*

Note: Primary 4.160 or 4.8 KV (delta or wye).

26 11 16 00-0051	EA	112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	16,645.63	671.47
		For Gas Filled Transformers, Add	*9,181.61*	
		For Single Phase Transformers, Deduct	*-382.57*	
		For Dry Type Unit, Add	*3,500.89*	
26 11 16 00-0052	EA	150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	16,729.57	713.43
		For Gas Filled Transformers, Add	*9,181.61*	
		For Single Phase Transformers, Deduct	*-382.57*	
		For Dry Type Unit, Add	*3,509.28*	
26 11 16 00-0053	EA	225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	17,180.70	839.34
		For Gas Filled Transformers, Add	*9,301.21*	
		For Single Phase Transformers, Deduct	*-387.55*	
		For Dry Type Unit, Add	*3,578.31*	
26 11 16 00-0054	EA	300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	18,960.45	923.28
		For Gas Filled Transformers, Add	*10,268.34*	
		For Single Phase Transformers, Deduct	*-427.85*	
		For Dry Type Unit, Add	*3,949.71*	
26 11 16 00-0055	EA	500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	21,097.98	1,091.14
		For Gas Filled Transformers, Add	*11,349.41*	
		For Single Phase Transformers, Deduct	*-472.89*	
		For Dry Type Unit, Add	*4,379.68*	
26 11 16 00-0056	EA	750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	24,439.32	1,259.01
		For Gas Filled Transformers, Add	*13,152.78*	
		For Single Phase Transformers, Deduct	*-548.03*	
		For Dry Type Unit, Add	*5,074.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 00-0057	EA	1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	28,414.67	1,510.81
		For Gas Filled Transformers, Add	*15,235.83*	
		For Single Phase Transformers, Deduct	*-634.83*	
		For Dry Type Unit, Add	*5,888.63*	
26 11 16 00-0058	EA	1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	33,499.73	1,678.68
		For Gas Filled Transformers, Add	*18,085.42*	
		For Single Phase Transformers, Deduct	*-753.56*	
		For Dry Type Unit, Add	*6,967.06*	
26 11 16 00-0059	EA	2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	43,076.80	1,762.61
		For Gas Filled Transformers, Add	*23,730.94*	
		For Single Phase Transformers, Deduct	*-988.79*	
		For Dry Type Unit, Add	*9,053.87*	
26 11 16 00-0060		**Primary 4.16 Or 4.8 KV Secondary 480 Y/277 Or 480 V** *(26 11 16 00-0049)*		
		Note: Primary 4.16 or 4.8 KV (delta or wye).		
26 11 16 00-0061	EA	112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	16,102.58	671.47
		For Gas Filled Transformers, Add	*8,855.78*	
		For Single Phase Transformers, Deduct	*-368.99*	
		For Dry Type Unit, Add	*3,381.41*	
26 11 16 00-0062	EA	150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	16,729.57	713.43
		For Gas Filled Transformers, Add	*9,181.61*	
		For Single Phase Transformers, Deduct	*-382.57*	
		For Dry Type Unit, Add	*3,509.28*	
26 11 16 00-0063	EA	225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	17,180.70	839.34
		For Gas Filled Transformers, Add	*9,301.21*	
		For Single Phase Transformers, Deduct	*-387.55*	
		For Dry Type Unit, Add	*3,578.31*	
26 11 16 00-0064	EA	300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	18,960.45	923.28
		For Gas Filled Transformers, Add	*10,268.34*	
		For Single Phase Transformers, Deduct	*-427.85*	
		For Dry Type Unit, Add	*3,949.71*	
26 11 16 00-0065	EA	500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	21,097.98	1,091.14
		For Gas Filled Transformers, Add	*11,349.41*	
		For Single Phase Transformers, Deduct	*-472.89*	
		For Dry Type Unit, Add	*4,379.68*	
26 11 16 00-0066	EA	750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	24,439.32	1,259.01
		For Gas Filled Transformers, Add	*13,152.78*	
		For Single Phase Transformers, Deduct	*-548.03*	
		For Dry Type Unit, Add	*5,074.49*	
26 11 16 00-0067	EA	1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	28,414.67	1,510.81
		For Gas Filled Transformers, Add	*15,235.83*	
		For Single Phase Transformers, Deduct	*-634.83*	
		For Dry Type Unit, Add	*5,888.63*	
26 11 16 00-0068	EA	1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	33,499.73	1,678.68
		For Gas Filled Transformers, Add	*18,085.42*	
		For Single Phase Transformers, Deduct	*-753.56*	
		For Dry Type Unit, Add	*6,967.06*	
26 11 16 00-0069	EA	2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	43,076.80	1,762.61
		For Gas Filled Transformers, Add	*23,730.94*	
		For Single Phase Transformers, Deduct	*-988.79*	
		For Dry Type Unit, Add	*9,053.87*	
26 11 16 00-0070	EA	2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	47,209.23	1,846.55
		For Gas Filled Transformers, Add	*26,109.68*	
		For Single Phase Transformers, Deduct	*-1,087.90*	
		For Dry Type Unit, Add	*9,942.86*	
26 11 16 00-0071	EA	3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	52,583.15	1,930.48
		For Gas Filled Transformers, Add	*29,233.31*	
		For Single Phase Transformers, Deduct	*-1,218.05*	
		For Dry Type Unit, Add	*11,104.98*	
26 11 16 00-0072	EA	3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	60,435.33	2,014.42
		For Gas Filled Transformers, Add	*33,843.90*	
		For Single Phase Transformers, Deduct	*-1,410.16*	
		For Dry Type Unit, Add	*12,812.31*	
26 11 16 00-0073		**Primary 13.8 KV (Delta Or Wye) Secondary 208 Y/120 V Or 240 V** *(26 11 16 00-0049)*		
26 11 16 00-0074	EA	112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	17,937.27	755.41
		For Gas Filled Transformers, Add	*9,855.88*	
		For Single Phase Transformers, Deduct	*-410.66*	
		For Dry Type Unit, Add	*3,764.90*	
26 11 16 00-0075	EA	150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	18,561.12	797.37
		For Gas Filled Transformers, Add	*10,179.82*	
		For Single Phase Transformers, Deduct	*-424.16*	
		For Dry Type Unit, Add	*3,892.08*	
26 11 16 00-0076	EA	225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	19,919.42	923.28
		For Gas Filled Transformers, Add	*10,843.72*	
		For Single Phase Transformers, Deduct	*-451.82*	
		For Dry Type Unit, Add	*4,160.69*	
26 11 16 00-0077	EA	300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	21,060.38	1,007.20
		For Gas Filled Transformers, Add	*11,427.58*	
		For Single Phase Transformers, Deduct	*-476.15*	
		For Dry Type Unit, Add	*4,391.55*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 00-0078	EA	500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	24,039.16	1,175.07
		For Gas Filled Transformers, Add	*13,013.41*	
		For Single Phase Transformers, Deduct	*-542.23*	
		For Dry Type Unit, Add	*5,006.60*	
26 11 16 00-0079	EA	750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	26,677.37	1,342.94
		For Gas Filled Transformers, Add	*14,394.89*	
		For Single Phase Transformers, Deduct	*-599.79*	
		For Dry Type Unit, Add	*5,546.71*	
26 11 16 00-0080	EA	1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	31,175.36	1,594.75
		For Gas Filled Transformers, Add	*16,791.52*	
		For Single Phase Transformers, Deduct	*-699.65*	
		For Dry Type Unit, Add	*6,475.84*	
26 11 16 00-0081	EA	1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	37,624.33	1,762.61
		For Gas Filled Transformers, Add	*20,459.46*	
		For Single Phase Transformers, Deduct	*-852.48*	
		For Dry Type Unit, Add	*7,854.33*	
26 11 16 00-0082	EA	2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	45,219.10	1,846.55
		For Gas Filled Transformers, Add	*24,915.61*	
		For Single Phase Transformers, Deduct	*-1,038.15*	
		For Dry Type Unit, Add	*9,505.03*	
26 11 16 00-0083		Primary 13.8 KV (Delta Or Wye) Secondary 480 Y/277 V Or 480 V *(26 11 16 00-0049)*		
26 11 16 00-0084	EA	112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	17,937.27	755.41
		For Gas Filled Transformers, Add	*9,855.88*	
		For Single Phase Transformers, Deduct	*-410.66*	
		For Dry Type Unit, Add	*3,764.90*	
26 11 16 00-0085	EA	150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	18,561.12	797.37
		For Gas Filled Transformers, Add	*10,179.82*	
		For Single Phase Transformers, Deduct	*-424.16*	
		For Dry Type Unit, Add	*3,892.08*	
26 11 16 00-0086	EA	225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	19,919.42	923.28
		For Gas Filled Transformers, Add	*10,843.72*	
		For Single Phase Transformers, Deduct	*-451.82*	
		For Dry Type Unit, Add	*4,160.69*	
26 11 16 00-0087	EA	300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	21,060.38	1,007.20
		For Gas Filled Transformers, Add	*11,427.58*	
		For Single Phase Transformers, Deduct	*-476.15*	
		For Dry Type Unit, Add	*4,391.55*	
26 11 16 00-0088	EA	500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	24,039.16	1,175.07
		For Gas Filled Transformers, Add	*13,013.41*	
		For Single Phase Transformers, Deduct	*-542.23*	
		For Dry Type Unit, Add	*5,006.60*	
26 11 16 00-0089	EA	750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	23,538.35	1,342.94
		For Gas Filled Transformers, Add	*12,511.48*	
		For Single Phase Transformers, Deduct	*-521.31*	
		For Dry Type Unit, Add	*4,856.13*	
26 11 16 00-0090	EA	1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	24,726.61	1,594.75
		For Gas Filled Transformers, Add	*12,922.27*	
		For Single Phase Transformers, Deduct	*-538.43*	
		For Dry Type Unit, Add	*5,057.12*	
26 11 16 00-0091	EA	1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	30,235.91	1,762.61
		For Gas Filled Transformers, Add	*16,026.41*	
		For Single Phase Transformers, Deduct	*-667.77*	
		For Dry Type Unit, Add	*6,228.87*	
26 11 16 00-0092	EA	2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	35,642.72	1,846.55
		For Gas Filled Transformers, Add	*19,169.78*	
		For Single Phase Transformers, Deduct	*-798.74*	
		For Dry Type Unit, Add	*7,398.23*	
26 11 16 00-0093	EA	2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	39,727.09	1,930.48
		For Gas Filled Transformers, Add	*21,519.68*	
		For Single Phase Transformers, Deduct	*-896.65*	
		For Dry Type Unit, Add	*8,276.64*	
26 11 16 00-0094	EA	3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	46,420.04	2,014.42
		For Gas Filled Transformers, Add	*25,434.73*	
		For Single Phase Transformers, Deduct	*-1,059.78*	
		For Dry Type Unit, Add	*9,728.95*	
26 11 16 00-0095	EA	3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	56,600.78	2,098.35
		For Gas Filled Transformers, Add	*31,442.45*	
		For Single Phase Transformers, Deduct	*-1,310.10*	
		For Dry Type Unit, Add	*11,948.57*	
26 11 16 00-0096		Substation Secondary Distribution Section *(26 11 16)*		
		Note: Low voltage drawout switchgear 277/480 volt, 3 phase 4 wire.		
26 11 16 00-0097		Switchgear Compartment Complete With Air Circuit Breaker *(26 11 16 00-0096)*		
		Note: With solid state long - time and instantaneous trips.		
26 11 16 00-0098	EA	800 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-206	8,860.93	726.37
26 11 16 00-0099	EA	1,600 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-416	14,119.17	1,098.20
26 11 16 00-0100	EA	2,000 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-420	19,126.65	1,348.97
26 11 16 00-0101	EA	3,200 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-632	31,473.72	1,565.16
26 11 16 00-0102	EA	4,000 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-840	40,369.60	1,781.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 00-0103		**Switchgear Compartment Without Circuit Breaker** *(26 11 16 00-0096)*		
26 11 16 00-0104	EA	800 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	3,927.81	220.50
26 11 16 00-0105	EA	1,600 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	4,538.46	220.50
26 11 16 00-0106	EA	2,000 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	5,936.69	324.28
26 11 16 00-0107	EA	3,200 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	8,436.59	324.28
26 11 16 00-0108	EA	4,000 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	14,037.71	475.60
26 11 16 00-0109		**Switchgear Compartment, Blank, Use As Filler Or Metering** *(26 11 16 00-0096)* Note: No provisions for future breaker.		
26 11 16 00-0110	EA	600 Thru 2,000 Amp, Blank Section Filler, Secondary Distribution Section	2,247.98	246.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.92*	
26 11 16 00-0111	EA	3,000 Amp, Blank Section Filler, Secondary Distribution Section	2,802.09	246.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*165.43*	
26 11 16 00-0112	EA	4,000 Amp, Blank Section Filler, Secondary Distribution Section	3,678.99	380.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*237.80*	
26 11 16 00-0113		**Accessories For Substation Secondary Distribution** *(26 11 16 00-0096)*		
26 11 16 00-0114	EA	Short Time Delay Accessories, Secondary Distribution Section	1,189.50	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.14*	
26 11 16 00-0115	EA	Key Interlock Accessories, Secondary Distribution Section	939.95	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.14*	
26 11 16 00-0116	EA	Ammeter And Switch Complete Accessories, Secondary Distribution Section	2,837.51	75.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.14*	
26 11 16 00-0117	EA	Voltmeter And Switch Complete Accessories, Secondary Distribution Section	2,837.51	75.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.14*	
26 11 16 00-0118	EA	Wattmeter - Complete Accessories, Secondary Distribution Section	3,732.15	75.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.14*	
26 11 16 00-0119	EA	Watt-hour Meter - Complete Accessories, Secondary Distribution Section	4,815.12	75.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.14*	
26 11 16 00-0120	EA	Circuit Breaker Lifting Device Accessories, Secondary Distribution Section	2,131.80	85.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.44*	
26 11 16 00-0121	EA	Weatherproofing, Per Vertical Section Accessories, Secondary Distribution Section	7,364.63	1,269.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*761.96*	
26 11 16 00-0122	EA	Current Transformer, Single Section 5 To 800 Single Secondary 5 To 800	1,321.34	75.23
26 11 16 00-0123	EA	Potential Transformers Each With Fuses Accessories, Secondary Distribution Section	1,540.55	75.23
26 11 16 00-0124	EA	Shunt Trip And Auxiliary Switch Accessories, Secondary Distribution Section	820.76	37.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.57*	
26 11 16 00-0125	EA	3 Current Limiting Fuses 15 KV Accessories, Secondary Distribution Section	6,031.51	75.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.14*	
26 11 16 00-0126	EA	3 Phase Surge Capacitors 15 KV Accessories, Secondary Distribution Section	783.09	37.62

26 12 Medium-Voltage Transformers *(26 10)*

26 12 13 Liquid-Filled, Medium-Voltage Transformers *(26 12)*

26 12 13 00-0001		**Removal And Relocation Of Transformers** *(26 12 13)*		
26 12 13 00-0002	EA	Remove And Relocate Oil Filled Transformer, Up To 37.5 KVA	874.77	
26 12 13 00-0003	EA	Remove And Relocate Oil Filled Transformers, >37.5 To 100 KVA	1,609.82	
26 12 13 00-0004		**Single Phase Oil Filled Distribution Transformers** *(26 12 13)* Note: Self-protected type, CSP, external secondary breaker handle, external tap changer.		
26 12 13 00-0005		**Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL. Rated To 5 KVA** *(26 12 13 00-0004)*		
26 12 13 00-0006	EA	10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	1,397.60	349.50
26 12 13 00-0007	EA	15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	1,703.44	436.87
26 12 13 00-0008	EA	25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	2,004.31	524.24
26 12 13 00-0009	EA	37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	2,561.00	655.31
26 12 13 00-0010	EA	50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	3,051.99	786.37
26 12 13 00-0011	EA	75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	3,970.53	917.43
26 12 13 00-0012	EA	100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	4,713.87	1,092.18
26 12 13 00-0013		**Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 2-2.5 Percent Taps FCAN And FCBN. Rated To 5 KVA** *(26 12 13 00-0004)*		
26 12 13 00-0014	EA	10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,397.60	349.50
26 12 13 00-0015	EA	15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,722.63	436.87
26 12 13 00-0016	EA	25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	2,004.31	524.24
26 12 13 00-0017	EA	37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	2,561.00	655.31
26 12 13 00-0018	EA	50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	3,051.99	786.37
26 12 13 00-0019	EA	75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	3,773.35	917.43
26 12 13 00-0020	EA	100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	4,613.74	1,092.18
26 12 13 00-0021		**Primary 13.8/14.4 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCBN And FCAN** *(26 12 13 00-0004)*		
26 12 13 00-0022	EA	10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,375.22	349.50

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 13 00-0023	EA	15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,642.69	436.87
26 12 13 00-0024	EA	25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,944.23	524.24
26 12 13 00-0025	EA	37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	2,547.14	655.31
26 12 13 00-0026	EA	50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	2,993.45	786.37
26 12 13 00-0027	EA	75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	3,810.32	917.43
26 12 13 00-0028	EA	100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	4,622.98	1,092.18
26 12 13 00-0029		Primary 13.8/14.4 KV Ground Y Secondary 240/480 Volt, 2-2.5 Percent Taps FCBN And FCAN *(26 12 13 00-0004)*		
26 12 13 00-0030	EA	10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	1,479.14	349.50
26 12 13 00-0031	EA	15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	1,749.80	436.87
26 12 13 00-0032	EA	25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	2,224.84	524.24
26 12 13 00-0033	EA	37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	2,796.93	655.31
26 12 13 00-0034	EA	50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	3,273.47	786.37
26 12 13 00-0035	EA	75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	4,224.45	917.43
26 12 13 00-0036	EA	100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	5,291.53	1,092.18
26 12 13 00-0037		Transformer Platforms *(26 12 13 00-0004)*		
26 12 13 00-0038	EA	Transformer Platforms, 75 - 167 KVA	3,793.69	590.22
26 12 13 00-0039		Primary 24.9 KV, Ground Y Secondary 240/480 Volt, 2-2.5 Percent Tops FCBN Auto FCAN *(26 12 13 00-0004)*		
26 12 13 00-0040	EA	10 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	2,272.88	699.00
26 12 13 00-0041	EA	15 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	2,535.19	786.37
26 12 13 00-0042	EA	25 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	2,924.67	873.75
26 12 13 00-0043	EA	37.5 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	3,931.77	1,223.25
26 12 13 00-0044	EA	50 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	4,495.72	1,397.99
26 12 13 00-0045	EA	75 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	5,887.13	1,747.49
26 12 13 00-0046	EA	100 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	6,958.70	1,922.24
26 12 13 00-0047	EA	167 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	9,075.60	2,446.49
26 12 13 00-0048	EA	250 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	10,876.41	2,795.99
26 12 13 00-0049	EA	333 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	13,224.66	3,494.99
26 12 13 00-0050	EA	500 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	16,832.39	4,368.73
26 12 13 00-0051		Primary 4.8 KV Ground Y Secondary 120/240V 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL *(26 12 13 00-0004)*		
26 12 13 00-0052	EA	10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	1,397.60	427.96
26 12 13 00-0053	EA	15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	1,703.44	534.91
26 12 13 00-0054	EA	25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	2,003.95	641.24
26 12 13 00-0055	EA	37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	2,561.85	803.59
26 12 13 00-0056	EA	50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	3,051.19	962.60
26 12 13 00-0057	EA	75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	3,969.42	1,121.10
26 12 13 00-0058	EA	100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	4,713.87	1,337.36
26 12 13 00-0059		Primary 4.8 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCAN And FCBN *(26 12 13 00-0004)*		
26 12 13 00-0060	EA	10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,397.60	427.96
26 12 13 00-0061	EA	15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,722.63	534.91
26 12 13 00-0062	EA	25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	2,003.95	641.24
26 12 13 00-0063	EA	37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	2,561.85	803.59
26 12 13 00-0064	EA	50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	3,051.19	962.60
26 12 13 00-0065	EA	75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	3,772.24	1,121.10
26 12 13 00-0066	EA	100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	4,613.74	1,337.36
26 12 13 00-0067		Primary 7.2 To 14.4 KV Ground Y *(26 12 13 00-0004)*		
26 12 13 00-0068		Primary 7.2 To 14.4 KV Ground Y Secondary 120 / 240 V 2-2.5 Percent Taps FCBN And FCAN *(26 12 13 00-0067)*		
26 12 13 00-0069	EA	10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,229.46	349.50
26 12 13 00-0070	EA	15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,497.22	436.87
26 12 13 00-0071	EA	25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,759.42	524.24
26 12 13 00-0072	EA	37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	2,257.15	655.31
26 12 13 00-0073	EA	50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	2,771.28	786.37
26 12 13 00-0074	EA	75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	3,865.83	917.43
26 12 13 00-0075	EA	100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	4,509.65	1,092.18
26 12 13 00-0076		Primary 7.2 To 14.4 KV Ground Y Secondary 240 / 480 V 2-2.5 Pct Taps FCBN And FCAN *(26 12 13 00-0067)*		
26 12 13 00-0077	EA	10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	1,178.59	349.50
26 12 13 00-0078	EA	15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	1,433.27	436.87
26 12 13 00-0079	EA	25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	1,730.35	524.24
26 12 13 00-0080	EA	37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	2,199.02	655.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 13 00-0081	EA	50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	2,691.35	786.37
26 12 13 00-0082	EA	75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	3,575.17	917.43
26 12 13 00-0083	EA	100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	4,218.99	1,092.18
26 12 13 00-0084		3 Phase Oil Filled Distribution Transformers *(26 12 13)*		
26 12 13 00-0085		Primary 4.16/4.8 KV Ground Y Secondary 120/240 V *(26 12 13 00-0084)* Note: 4-2.5 Percent taps FCBN, Class A, 95 KV BIL.		
26 12 13 00-0086	EA	112.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	6,405.43	1,922.24
26 12 13 00-0087	EA	150 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	8,184.67	2,446.49
26 12 13 00-0088	EA	225 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	9,656.67	2,621.24
26 12 13 00-0089	EA	300 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	12,343.91	3,276.55
26 12 13 00-0090	EA	500 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	17,525.97	4,368.73
26 12 13 00-0091	EA	750 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	23,677.44	5,024.05
26 12 16		**Dry-Type, Medium-Voltage Transformers** *(26 12)*		
26 12 16 00-0001		Removal and Relocation of Transformers *(26 12 16)*		
26 12 16 00-0002	EA	Remove And Relocate "Dry Type" Transformer Up To 37.5 KVA	348.32	
26 12 16 00-0003	EA	Remove And Relocate "Dry Type" Transformer, >37.5 To 112.5 KVA	1,548.12	
26 12 19		**Pad-Mounted, Liquid-Filled, Medium-Voltage Transformers** *(26 12)*		
26 12 19 00-0001		Single Phase Pad Mounted Distribution Transformers *(26 12 19)* Note: Designed for residential and multi-family buildings. UL listed.		
26 12 19 00-0002		Mini Pak - Single Phase KVA 25 Thru 167 - 95 KV BIL.- Oil Filled *(26 12 19 00-0001)* Note: Self actuating pressure relief device, taps, 4-1/2 % below or 2-1/2 % above and below. Designed for loop feed grounded wye distribution system.		
26 12 19 00-0003		Primary, 4.16/4.8 KV Ground Y Or Delta *(26 12 19 00-0002)* Note: 2.4 To 24.94 KV ground Y / 14.4 KV secondary - 240/120 Volt, 480/240 Volt, 277 V. Rated to 5 KVA.		
26 12 19 00-0004	EA	25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	2,574.83	419.67
26 12 19 00-0005	EA	37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	2,881.47	419.67
26 12 19 00-0006	EA	50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,432.02	574.95
26 12 19 00-0007	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	4,157.27	574.95
26 12 19 00-0008	EA	100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	4,699.27	755.41
26 12 19 00-0009	EA	167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	6,069.05	755.41
26 12 19 00-0010		Factory Modifications Material Cost Only *(26 12 19 00-0002)*		
26 12 19 00-0011	EA	Loadbreaker Current Limiting Fuse Factory Modifications	433.22	
26 12 19 00-0012	EA	Loadbreaker Oil Switch, 2 Position Factory Modifications	455.20	
26 12 19 00-0013	EA	Loadbreaker Inserts, Factory Modifications	500.72	
26 12 19 00-0014		Distribution - Single Phase Multiple Building Transformer *(26 12 19 00-0001)* Note: KVA 25 to 250, KVA BIL-95, 125, 150 standard features. Oil filled, self-actuating pressure relief device, lighting arrester mounted. Pad HV/LV barrier, etc. with taps 4-1/2 % below or 2-1/2 % above and below.		
26 12 19 00-0015		Primary, 4.16/4.8 KVA Ground Y Or Delta *(26 12 19 00-0014)* Note: 2.4 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.		
26 12 19 00-0016	EA	25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,110.61	419.67
26 12 19 00-0017	EA	37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,564.43	419.67
26 12 19 00-0018	EA	50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,895.07	574.95
26 12 19 00-0019	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	4,758.44	574.95
26 12 19 00-0020	EA	100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	5,324.00	755.41
26 12 19 00-0021	EA	167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	6,439.49	755.41
26 12 19 00-0022	EA	250 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	9,933.97	1,049.18
26 12 19 00-0023		Factory Modifications Material Cost Only *(26 12 19 00-0014)*		
26 12 19 00-0024	EA	Loadbreaker Current Limiting Fuse Factory Modifications	577.63	
26 12 19 00-0025	EA	Lightning Arrestors, Factory Modifications	146.36	
26 12 19 00-0026	EA	Loadbreaker Oil Switch, 2 Position Factory Modifications	455.20	
26 12 19 00-0027	EA	Loop Feed Air Switch, Factory Modifications	740.87	
26 12 19 00-0028	EA	Loadbreaker Inserts (Two), Factory Modifications	197.78	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0029	EA	Bay-O-Net Fuse 25 Thru 167 KVA Factory Modifications	171.09	
26 12 19 00-0030		**Primary, 12.47 KV Ground Y Or Delta** *(26 12 19 00-0014)* Note: 7.2 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.		
26 12 19 00-0031	EA	25 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,323.50	419.67
26 12 19 00-0032	EA	37.5 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,635.28	419.67
26 12 19 00-0033	EA	50 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,867.22	574.95
26 12 19 00-0034	EA	75 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	4,588.15	574.95
26 12 19 00-0035	EA	100 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	5,677.19	755.41
26 12 19 00-0036	EA	167 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	7,062.12	755.49
26 12 19 00-0037	EA	250 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	8,940.29	1,049.18
26 12 19 00-0038		**Oil Filled Distribution Transformer Single Phase Cluster Mounted** *(26 12 19 00-0001)* Note: Conventional type.		
26 12 19 00-0039		**13.8/14.4 KV Ground Y Or Delta Primary 120/240V** *(26 12 19 00-0038)* Note: 2.5 Taps FCBN and FCAN.		
26 12 19 00-0040	EA	10 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,282.98	296.72
26 12 19 00-0041	EA	37.5 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,896.74	417.27
26 12 19 00-0042	EA	50 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,377.81	667.62
26 12 19 00-0043	EA	100 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,455.90	667.62
26 12 19 00-0044	EA	167 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	10,159.66	1,094.16
26 12 19 00-0045	EA	250 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	13,318.76	1,094.16
26 12 19 00-0046		**Oil Filled Distribution Transformer Single Phase** *(26 12 19 00-0001)*		
26 12 19 00-0047		**7.2 KV Primary, 120/240 V Secondary** *(26 12 19 00-0046)*		
26 12 19 00-0048	EA	10 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,226.30	315.27
26 12 19 00-0049	EA	15 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,436.62	315.27
26 12 19 00-0050	EA	25 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,845.42	445.08
26 12 19 00-0051	EA	37.5 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,717.58	445.08
26 12 19 00-0052	EA	50 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,288.09	602.72
26 12 19 00-0053	EA	100 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,311.14	927.25
26 12 19 00-0054	EA	167 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	10,046.30	927.25
26 12 19 00-0055	EA	250 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	13,143.77	1,159.07
26 12 19 00-0056		**7.2 KV Primary, 240/480 V Secondary** *(26 12 19 00-0046)*		
26 12 19 00-0057	EA	10 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,226.30	315.27
26 12 19 00-0058	EA	15 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,436.67	315.27
26 12 19 00-0059	EA	25 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,845.42	445.08
26 12 19 00-0060	EA	37.5 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,717.58	445.08
26 12 19 00-0061	EA	50 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,288.09	602.72
26 12 19 00-0062	EA	75 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,466.14	815.99
26 12 19 00-0063	EA	100 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,311.14	815.99
26 12 19 00-0064	EA	167 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	10,046.30	1,029.25
26 12 19 00-0065	EA	250 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	13,143.77	1,159.07
26 12 19 00-0066		**2.4 KV Primary, 277 V Secondary** *(26 12 19 00-0046)*		
26 12 19 00-0067	EA	10 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,404.17	315.27
26 12 19 00-0068	EA	15 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,630.46	315.27
26 12 19 00-0069	EA	25 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,075.25	445.08
26 12 19 00-0070	EA	37.5 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,011.17	445.08
26 12 19 00-0071	EA	50 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,624.31	602.72
26 12 19 00-0072	EA	75 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,868.13	815.99
26 12 19 00-0073	EA	100 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,932.73	815.99
26 12 19 00-0074	EA	167 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	10,918.76	1,029.25
26 12 19 00-0075	EA	250 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	14,326.50	1,159.07
26 12 19 00-0076		**2.4 KV Primary, 120/240 V Secondary** *(26 12 19 00-0046)*		
26 12 19 00-0077	EA	10 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,226.30	315.27
26 12 19 00-0078	EA	15 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,436.62	315.27
26 12 19 00-0079	EA	25 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,845.42	605.59
26 12 19 00-0080	EA	37.5 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,717.58	815.99
26 12 19 00-0081	EA	50 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,288.09	602.72
26 12 19 00-0082	EA	75 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,337.56	815.99
26 12 19 00-0083	EA	100 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,309.97	815.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0084		**2.4 KV Primary, 240/480 V Secondary** *(26 12 19 00-0046)*		
26 12 19 00-0085	EA	10 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,226.30	315.27
26 12 19 00-0086	EA	15 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,436.62	315.27
26 12 19 00-0087	EA	25 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,845.42	445.08
26 12 19 00-0088	EA	37.5 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,717.58	445.08
26 12 19 00-0089	EA	50 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,288.09	602.72
26 12 19 00-0090	EA	75 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,337.56	815.99
26 12 19 00-0091	EA	100 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,309.97	815.99
26 12 19 00-0092		**2.4 KV x 7.2 KV Primary, 120/240 V Secondary** *(26 12 19 00-0046)*		
26 12 19 00-0093	EA	10 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	1,949.72	324.54
26 12 19 00-0094	EA	15 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,124.14	361.63
26 12 19 00-0095	EA	25 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,543.99	398.72
26 12 19 00-0096	EA	37 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,291.74	556.36
26 12 19 00-0097	EA	50 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,698.87	649.08
26 12 19 00-0098	EA	75 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,958.35	760.35
26 12 19 00-0099	EA	100 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	5,911.82	871.62
26 12 19 00-0100	EA	167 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	8,964.11	1,112.70
26 12 19 00-0101	EA	250 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	12,051.12	1,251.79

26 13 Medium-Voltage Switchgear *(26 10)*

26 13 16 Medium-Voltage Fusible Interrupter Switchgear *(26 13)*

26 13 16 00-0001 "Switchyard", Substation Secondary Distribution Section *(26 13 16)*

Note: Medium voltage, metal clad switchgear, 3 phase, 3 wire with ground. Includes breaker element, housing, control switch two lamps - 3 cable terminals.

26 13 16 00-0002 4.16 Or 4.8 KV Switchgear Sections *(26 13 16 00-0001)*

Note: Includes air circuit breaker.

26 13 16 00-0003	EA	1,200 Amp, 75 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	8,021.54	964.34
		For Weatherproofing, Add	*1,629.51*	
26 13 16 00-0004	EA	1,200 Amp, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	8,393.73	964.34
		For Weatherproofing, Add	*1,711.40*	
26 13 16 00-0005	EA	1,200 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	11,352.31	1,228.62
		For Weatherproofing, Add	*2,334.83*	
26 13 16 00-0006	EA	2,000 Amp, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	15,323.08	1,228.62
		For Weatherproofing, Add	*3,187.72*	
26 13 16 00-0007	EA	2,000 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	21,753.60	1,483.61
		For Weatherproofing, Add	*4,577.75*	
26 13 16 00-0008	EA	3,000 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	19,962.01	1,483.61
		For Weatherproofing, Add	*4,173.10*	

26 13 16 00-0009 7.2 KV Switchgear Sections *(26 13 16 00-0001)*

Note: Includes air circuit breaker.

26 13 16 00-0010	EA	1,200 Amp, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	11,768.87	1,112.70
		For Weatherproofing, Add	*2,439.94*	
26 13 16 00-0011	EA	2,000 Amp, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	14,496.60	1,390.88
		For Weatherproofing, Add	*2,994.33*	
26 13 16 00-0012	EA	3,000 Amp, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	20,205.93	1,669.06
		For Weatherproofing, Add	*4,217.56*	

26 13 16 00-0013 13.8 KV Switchgear Sections *(26 13 16 00-0001)*

Note: Includes air circuit breaker.

26 13 16 00-0014	EA	1,200 Amp, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	11,417.11	1,112.70
		For Weatherproofing, Add	*2,350.30*	
26 13 16 00-0015	EA	1,200 Amp, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	15,587.46	1,112.70
		For Weatherproofing, Add	*3,241.10*	
26 13 16 00-0016	EA	1,200 Amp, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	22,554.93	1,483.61
		For Weatherproofing, Add	*4,743.54*	
26 13 16 00-0017	EA	2,000 Amp, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	14,374.14	1,483.61
		For Weatherproofing, Add	*2,956.25*	
26 13 16 00-0018	EA	2,000 Amp, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	20,618.47	1,854.51
		For Weatherproofing, Add	*4,303.42*	
26 13 16 00-0019	EA	2,000 Amp, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	28,605.03	1,854.51
		For Weatherproofing, Add	*6,032.43*	
26 13 16 00-0020	EA	3,000 Amp, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	19,914.15	1,854.51
		For Weatherproofing, Add	*4,140.71*	
26 13 16 00-0021	EA	3,000 Amp, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	27,360.23	1,854.51
		For Weatherproofing, Add	*5,752.14*	
26 13 16 00-0022	EA	3,000 Amp, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	35,258.22	1,854.51
		For Weatherproofing, Add	*7,464.43*	

26 13 16 00-0023 4.16 Or 4.8 KV Switchgear Section *(26 13 16 00-0001)*

Note: Excludes air circuit breaker element.

26 13 16 00-0024	EA	1,200 Amp, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	3,694.78	607.35
		For Weatherproofing, Add	*727.67*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 16 00-0025	EA	1,200 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	4,703.81	607.35
		For Weatherproofing, Add	*949.66*	
26 13 16 00-0026	EA	2,000 Amp, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	5,180.18	806.71
		For Weatherproofing, Add	*1,026.95*	
26 13 16 00-0027	EA	2,000 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	6,418.94	996.80
		For Weatherproofing, Add	*1,272.58*	
26 13 16 00-0028	EA	3,000 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	8,461.13	996.80
		For Weatherproofing, Add	*1,721.86*	
26 13 16 00-0029		7.2 KV Switchgear Section *(26 13 16 00-0001)*		
		Note: Excludes air circuit breaker element.		
26 13 16 00-0030	EA	1,200 Amp, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	4,632.89	927.25
		For Weatherproofing, Add	*922.21*	
26 13 16 00-0031	EA	2,000 Amp, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	6,051.71	927.25
		For Weatherproofing, Add	*1,207.03*	
26 13 16 00-0032	EA	3,000 Amp, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	9,083.23	927.25
		For Weatherproofing, Add	*1,847.01*	
26 13 16 00-0033		13.8 KV Switchgear Section *(26 13 16 00-0001)*		
		Note: Excludes air circuit breaker element.		
26 13 16 00-0034	EA	1,200 Amp, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	4,815.82	788.16
		For Weatherproofing, Add	*949.65*	
26 13 16 00-0035	EA	1,200 Amp, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	5,107.84	788.16
		For Weatherproofing, Add	*1,013.90*	
26 13 16 00-0036	EA	1,200 Amp, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	7,239.36	973.61
		For Weatherproofing, Add	*1,455.72*	
26 13 16 00-0037	EA	2,000 Amp, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	6,616.91	1,168.34
		For Weatherproofing, Add	*1,291.81*	
26 13 16 00-0038	EA	2,000 Amp, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	7,993.06	1,168.34
		For Weatherproofing, Add	*1,594.56*	
26 13 16 00-0039	EA	2,000 Amp, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	9,202.29	1,363.07
		For Weatherproofing, Add	*1,833.04*	
26 13 16 00-0040	EA	3,000 Amp, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	8,773.58	1,557.79
		For Weatherproofing, Add	*1,711.64*	
26 13 16 00-0041	EA	3,000 Amp, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	9,716.56	1,557.79
		For Weatherproofing, Add	*1,919.10*	
26 13 16 00-0042	EA	3,000 Amp, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	11,879.71	1,743.24
		For Weatherproofing, Add	*2,367.67*	
26 13 16 00-0043		Accessories For Substation Secondary Distribution Sections *(26 13 16 00-0001)*		
26 13 16 00-0044	EA	1,200 Amp, Transformer Throat Connection Accessories, Secondary Distribution Section	2,456.53	587.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*352.57*	
26 13 16 00-0045	EA	2,000 Amp, Transformer Throat Connection Accessories, Secondary Distribution Section	3,025.39	652.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*391.25*	
26 13 16 00-0046	EA	3,000 Amp, Transformer Throat Connection Accessories, Secondary Distribution Section	3,912.22	784.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*470.69*	
26 13 16 00-0047	EA	3-Phase Pothead Termination Accessories, Secondary Distribution Section	2,851.44	1,179.74
26 13 16 00-0048	EA	5 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section	2,694.86	75.23
26 13 16 00-0049	EA	5 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section	3,586.17	75.23
26 13 16 00-0050	EA	5 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section	6,534.09	75.23
26 13 16 00-0051	EA	15 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section	5,143.55	75.23
26 13 16 00-0052	EA	15 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section	5,611.44	75.23
26 13 16 00-0053	EA	15 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section	7,624.00	75.23
26 13 16 00-0054	EA	6 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	1,242.49	75.23
26 13 16 00-0055	EA	9 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	1,399.16	75.23
26 13 16 00-0056	EA	15 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	2,104.60	75.23
26 13 16 00-0057	EA	Overcurrent Phase Protection, Time And Instantaneous Device 67	1,361.48	75.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.14*	
26 13 16 00-0058	EA	AC Ammeter With Switch	556.96	75.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.14*	
26 13 16 00-0059	EA	AC Voltmeter With Switch And Potential Transformer	556.96	75.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.14*	
26 13 16 00-0060	EA	Indicating Wattmeter	804.24	75.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.14*	
26 13 16 00-0061	EA	Indicating Varmeter	941.44	75.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.14*	
26 13 16 00-0062	EA	Indicating Watt-hour Meter, 2 Element	606.08	75.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.14*	
26 13 16 00-0063	EA	Ground Protection, Time Or Instantaneous Device 67N	1,369.95	75.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.14*	
26 13 16 00-0064	EA	Differential Generator Protection Single Phase NEMA Device 87	2,550.04	75.23
26 13 16 00-0065	EA	Current Transformers 5 And 15 KV Single Secondary	390.55	75.23
26 13 16 00-0066	EA	Potential Transformers 5 KV And 15 KV With Primary Fuses	1,715.04	75.23
26 13 19		**Medium-Voltage Vacuum Interrupter Switchgear** *(26 13)*		
26 13 19 00-0001		Vacuum Circuit Breakers 13.8 KV *(26 13 19)*		
26 13 19 00-0002	EA	1,200 Amp, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	27,707.07	1,159.07
26 13 19 00-0003	EA	1,200 Amp, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	30,637.88	1,465.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 19 00-0004	EA	1,200 Amp, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	34,802.67	1,465.06
26 13 19 00-0005	EA	2,000 Amp, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	31,672.33	1,159.07
26 13 19 00-0006	EA	2,000 Amp, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	35,546.77	1,159.07
26 13 19 00-0007	EA	2,000 Amp, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	40,530.77	1,363.07
26 13 19 00-0008	EA	3,000 Amp, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	41,904.92	1,557.79
26 13 19 00-0009	EA	3,000 Amp, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	45,799.04	1,557.79
26 13 19 00-0010	EA	3,000 Amp, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	50,069.74	1,752.51

26 18 Medium-Voltage Circuit Protection Devices *(26 10)*

26 18 16 Medium-Voltage Fuses *(26 18)*

26 18 16 00-0001 Sectionalizing Switch *(26 18 16)*

26 18 16 00-0002 Pad Mounted Metal Enclosed Oil Filled Switching Units *(26 18 16 00-0001)*
Note: 15 KV - 25 KV.

26 18 16 00-0003 Sectionalizing Tapping And Fusing Underground Feeders *(26 18 16 00-0002)*
Note: 200 Amp replaceable bushing wells recessed locking assembly oil level and oil fill plugs.

26 18 16 00-0004	EA	3 Phase, 1 Switch Up And 2 Switch Downstream Tapping And Fusing Underground	18,822.89	629.51
26 18 16 00-0005	EA	3 Phase, 2 Switch Up And 2 Switch Downstream Tapping And Fusing Underground	21,134.03	629.51

26 20 Low-Voltage Electrical Distribution *(26)*

26 21 Low-Voltage Electrical Service Entrance *(26 20)*

See CSI section 26 05 13 00-0000 for wire and cables.

26 21 13 Low-Voltage Overhead Electrical Service Entrance *(26 21)*

26 21 13 00-0001 Service Drop Cable And Weatherheads *(26 21 13)*

26 21 13 00-0002 600 Volt Insulated Stranded Conductors *(26 21 13 00-0001)*

26 21 13 00-0003 Aluminum Duplex ACSR Neutral *(26 21 13 00-0002)*

26 21 13 00-0004	LF	#6 AWG Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	5.70	2.21
26 21 13 00-0005	LF	#4 AWG Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	6.81	2.61
26 21 13 00-0006	LF	#2 AWG Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	7.84	2.95
26 21 13 00-0007	LF	#1/0 AWG Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	10.16	3.71

26 21 13 00-0008 Aluminum Triplex ACSR Neutral *(26 21 13 00-0002)*

26 21 13 00-0009	LF	#6 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	6.85	2.61
26 21 13 00-0010	LF	#4 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	7.79	2.95
26 21 13 00-0011	LF	#2 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	9.85	3.71
26 21 13 00-0012	LF	#1/0 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	12.18	4.53
26 21 13 00-0013	LF	#2/0 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	15.99	5.98
26 21 13 00-0014	LF	#4/0 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	20.13	7.41
26 21 13 00-0015	LF	336 MCM Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	25.45	8.83

26 21 13 00-0016 Aluminum Quadruplex ACSR Neutral *(26 21 13 00-0002)*

26 21 13 00-0017	LF	#6 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	7.80	2.95
26 21 13 00-0018	LF	#4 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	9.84	3.71
26 21 13 00-0019	LF	#2 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	12.67	4.75
26 21 13 00-0020	LF	#1/0 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	16.24	5.98
26 21 13 00-0021	LF	#2/0 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	18.04	6.63
26 21 13 00-0022	LF	#3/0 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	20.55	7.41
26 21 13 00-0023	LF	#4/0 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	24.31	8.83
26 21 13 00-0024	LF	336 MCM Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	28.66	9.76

26 21 13 00-0025 Aluminum Triplex For Underground Service, Direct Burial *(26 21 13 00-0002)*
Note: Excludes excavation and backfill.

26 21 13 00-0026	MLF	#6 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial	2,440.80	824.24
26 21 13 00-0027	MLF	#4 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial	2,687.17	872.73
26 21 13 00-0028	MLF	#2 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial	3,018.95	927.25
26 21 13 00-0029	MLF	#1/0 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial	3,319.26	927.25
26 21 13 00-0030	MLF	#2/0 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial	3,629.83	989.10
26 21 13 00-0031	MLF	#3/0 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial	4,261.44	1,141.26
26 21 13 00-0032	MLF	#4/0 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial	5,351.30	1,483.61

26 21 13 00-0033 Weather Proof Conduit Hubs *(26 21 13 00-0002)*

26 21 13 00-0034	EA	1/2" Weatherproof Conduit Hubs	39.11	14.48
26 21 13 00-0035	EA	3/4" Weatherproof Conduit Hubs	44.69	16.46
26 21 13 00-0036	EA	1" Weatherproof Conduit Hubs	52.75	18.43
26 21 13 00-0037	EA	1-1/4" Weatherproof Conduit Hubs	74.85	24.69
26 21 13 00-0038	EA	1-1/2" Weatherproof Conduit Hubs	82.91	26.66
26 21 13 00-0039	EA	2" Weatherproof Conduit Hubs	111.44	30.94
26 21 13 00-0040	EA	2-1/2" Weatherproof Conduit Hubs	153.43	34.89

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 21 13 00-0041	EA	3" Weatherproof Conduit Hubs	202.96	41.14
26 21 13 00-0042	EA	4" Weatherproof Conduit Hubs	347.88	82.30

26 21 13 00-0043 Service Entrance Cap, Threaded Weatherhead, Galvanized *(26 21 13 00-0002)*

26 21 13 00-0044	EA	1/2" Galvanized Weatherhead For #14 Thru #10 AWG Cable Service Entrance Threaded Weatherhead	43.81	14.48
26 21 13 00-0045	EA	3/4" Galvanized Weatherhead For #12 Thru #8 AWG Cable Service Entrance Threaded Weatherhead	50.32	16.46
26 21 13 00-0046	EA	1" Galvanized Weatherhead For #6 AWG Cable Service Entrance Threaded Weatherhead	63.64	20.77
26 21 13 00-0047	EA	1-1/4" Galvanized Weatherhead For #4 Thru #2 AWG Cable Service Entrance Threaded Weatherhead	77.69	24.69
26 21 13 00-0048	EA	1-1/2" Galvanized Weatherhead For #4 Thru #2 AWG Cable Service Entrance Threaded Weatherhead	96.86	30.05
26 21 13 00-0049	EA	2" Galvanized Weatherhead For #1/0 Thru #2/0 AWG Cable Service Entrance Threaded Weatherhead	127.80	34.87
26 21 13 00-0050	EA	2-1/2" Galvanized Weatherhead For #3/0 Thru #4/0 Cable Service Entrance Threaded Weatherhead	217.23	39.31
26 21 13 00-0051	EA	3" Galvanized Weatherhead For 250 Thru 500 MCM Cable Service Entrance Threaded Weatherhead	234.06	41.14
26 21 13 00-0052	EA	4" Galvanized Weatherhead For 750 MCM Cable Service Entrance Threaded Weatherhead	378.31	82.30

26 21 13 00-0053 Service Entrance Cap, Threaded Weatherhead, Polyvinyl Chloride (PVC) *(26 21 13 00-0002)*

26 21 13 00-0054	EA	1/2" Polyvinyl Chloride (PVC) Weatherhead For #14 Thru #10 AWG Cable Service Entrance Threaded Weatherhead	39.34	14.48
26 21 13 00-0055	EA	3/4" Polyvinyl Chloride (PVC) Weatherhead For #12 Thru #8 AWG Cable Service Entrance Threaded Weatherhead	44.28	16.46
26 21 13 00-0056	EA	1" Polyvinyl Chloride (PVC) Weatherhead For #6 AWG Cable Service Entrance Threaded Weatherhead	55.22	20.68
26 21 13 00-0057	EA	1-1/4" Polyvinyl Chloride (PVC) Weatherhead For #4 Thru #2 AWG Cable Service Entrance Threaded Weatherhead	67.32	24.69
26 21 13 00-0058	EA	1-1/2" Polyvinyl Chloride (PVC) Weatherhead For #4 Thru #2 AWG Cable Service Entrance Threaded Weatherhead	81.70	30.05
26 21 13 00-0059	EA	2" Polyvinyl Chloride (PVC) Weatherhead For #1/0 Thru #2/0 AWG Cable Service Entrance Threaded Weatherhead	97.96	34.87
26 21 13 00-0060	EA	2-1/2" Polyvinyl Chloride (PVC) Weatherhead For #3/0 Thru #4/0 Cable Service Entrance Threaded Weatherhead	151.60	39.31
26 21 13 00-0061	EA	3" Polyvinyl Chloride (PVC) Weatherhead For 250 Thru 350 MCM Cable Service Entrance Threaded Weatherhead	157.55	41.14
26 21 13 00-0062	EA	3-1/2" Polyvinyl Chloride (PVC) Weatherhead For 500 MCM Cable Service Entrance Threaded Weatherhead	253.37	57.60
26 21 13 00-0063	EA	4" Polyvinyl Chloride (PVC) Weatherhead For 750 MCM Cable Service Entrance Threaded Weatherhead	349.04	82.30

26 22 Low-Voltage Transformers *(26 20)*

26 22 13 Low-Voltage Distribution Transformers *(26 22)*

26 22 13 00-0001 Single Phase General Purpose "Dry Type" Transformers *(26 22 13)*

Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor Use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.

26 22 13 00-0002 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers *(26 22 13 00-0001)*

Note: 2-2.5 Percent taps above and 4-2.5 percent taps below.

26 22 13 00-0003	EA	1 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	578.87	211.64
26 22 13 00-0004	EA	3 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	744.79	253.97
26 22 13 00-0005	EA	5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	867.81	264.97
26 22 13 00-0006	EA	7.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	991.82	275.14
26 22 13 00-0007	EA	10 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	1,284.72	296.30
26 22 13 00-0008	EA	15 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	1,484.57	317.46
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*42.48*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*63.72*	
26 22 13 00-0009	EA	25 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	1,615.04	338.63
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*46.89*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*70.33*	
26 22 13 00-0010	EA	37.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	1,636.12	380.95
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*43.71*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*65.57*	
26 22 13 00-0011	EA	50 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	1,910.32	423.29
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*53.19*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*79.78*	
26 22 13 00-0012	EA	75 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	2,457.80	507.94
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*72.10*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*108.14*	
26 22 13 00-0013	EA	100 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	3,050.10	592.60
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*93.25*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*139.87*	
26 22 13 00-0014	EA	167 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	4,617.13	761.91
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*154.67*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*232.00*	
26 22 13 00-0015	EA	250 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	7,730.74	931.23
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*293.42*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*440.12*	
26 22 13 00-0016	EA	333 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	11,584.05	1,058.20
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*473.38*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*710.07*	

26 22 13 00-0017 240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers *(26 22 13 00-0001)*

Note: 1-10 Percent x 2-5 percent FCBN taps.

26 22 13 00-0018	EA	3 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	672.38	253.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0019	EA	5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	751.79	264.55
26 22 13 00-0020	EA	7.5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	862.13	275.14
26 22 13 00-0021	EA	10 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	979.74	296.30
26 22 13 00-0022		240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers *(26 22 13 00-0001)*		
		Note: 2-5 Percent x 4 - 2.5 percent FCBN taps.		
26 22 13 00-0023	EA	15 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	1,484.57	317.46
26 22 13 00-0024	EA	25 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	1,615.04	338.63
26 22 13 00-0025		1 Phase Mounting Brackets *(26 22 13 00-0001)*		
26 22 13 00-0026	EA	1 Phase Mounting Brackets (Set Of 2) For Transformers Up To 100 KVA	398.73	150.47
26 22 13 00-0027		1 Phase Weathershields *(26 22 13 00-0001)*		
		Note: Use with types DT-3 and DS-3.		
26 22 13 00-0028	EA	37.5 KVA 1 Phase Weathershields, Set Of 2	30.61	
26 22 13 00-0029	EA	50 KVA 1 Phase Weathershields, Set Of 2	39.01	
26 22 13 00-0030	EA	75 KVA 1 Phase Weathershields, Set Of 2	46.52	
26 22 13 00-0031	EA	100 KVA 1 Phase Weathershields, Set Of 2	55.50	
26 22 13 00-0032	EA	167 KVA 1 Phase Weathershields, Set Of 2	75.09	
26 22 13 00-0033	EA	250 KVA 1 Phase Weathershields, Set Of 2	89.78	
26 22 13 00-0034	EA	333 KVA 1 Phase Weathershields, Set Of 2	110.18	
26 22 13 00-0035		Packaged Power Supply *(26 22 13 00-0001)*		
		Note: 2-5 Percent FCBN taps.		
26 22 13 00-0036	EA	5 KVA, 480 Volt - 120/240 Volt, Transformer With 6 - 1 Pole / 3 - 2 Pole Max 20 Amp Breakers	979.07	264.55
26 22 13 00-0037	EA	7.5 KVA, 480 Volt - 120/240 Volt, Transformer With 8 - 1 Pole / 4 - 2 Pole Max 30 Amp Breakers	1,076.41	275.14
26 22 13 00-0038	EA	10 KVA, 480 Volt - 120/240 Volt, Transformer With 10 - 1 Pole / 5 - 2 Pole Max 40 Amp Breakers	1,164.11	296.30
26 22 13 00-0039	EA	15 KVA, 480 Volt - 120/240 Volt, Transformer With 16 - 1 Pole / 8 - 2 Pole Max 60 Amp Breakers	1,376.69	317.46
26 22 13 00-0040	EA	25 KVA, 480 Volt - 120/240 Volt, Transformer With 24 - 1 Pole / 12 - 2 Pole Max 100 Amp Breakers	1,783.64	338.63
26 22 13 00-0041		240 Volt, 120/240 Volt, Single Phase Isolation Transformer Computer Grade *(26 22 13 00-0001)*		
26 22 13 00-0042	EA	0.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	719.66	190.48
26 22 13 00-0043	EA	1 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	949.72	211.64
26 22 13 00-0044	EA	2.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	1,115.99	253.97
26 22 13 00-0045	EA	5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	1,214.69	264.55
26 22 13 00-0046	EA	7.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	1,341.96	275.14
26 22 13 00-0047	EA	10 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	1,661.79	296.30
26 22 13 00-0048	EA	15 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	2,077.93	317.46
26 22 13 00-0049		1 Phase, 208/600 Volt, Dry General Purpose Transformer *(26 22 13 00-0001)*		
26 22 13 00-0050	EA	15 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	2,471.60	317.46
26 22 13 00-0051	EA	25 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	2,574.80	338.63
26 22 13 00-0052	EA	30 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	2,684.48	359.79
26 22 13 00-0053	EA	37.5 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	3,431.27	380.95
26 22 13 00-0054	EA	45 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	3,573.04	402.11
26 22 13 00-0055	EA	50 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	4,630.91	423.29
26 22 13 00-0056		3 Phase General Purpose "Dry Type" Transformer *(26 22 13)*		
		Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.		
26 22 13 00-0057		Packaged Power Supply *(26 22 13 00-0056)*		
		Note: 2-5 Percent FCBN taps.		
26 22 13 00-0058	EA	15 KVA, 480 Volt - 208/120 Volt, Transformer With 12 - 1 Pole / 4 - 3 Pole Max, 40 Amp Breakers	3,976.90	910.06
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*107.84*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*161.76*	
26 22 13 00-0059	EA	22.5 KVA, 480 Volt - 208/120 Volt, Transformer With 18 - 1 Pole / 6 - 3 Pole Max, 60 Amp Breakers	4,619.82	973.55
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*133.64*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*200.45*	
26 22 13 00-0060	EA	30 KVA, 480 Volt - 208/120 Volt, Transformer With 24 - 1 Pole / 8 - 3 Pole Max, 80 Amp Breakers	5,395.80	1,058.20
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*163.97*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*245.95*	
26 22 13 00-0061		Drive Isolation Transformers *(26 22 13 00-0056)*		
		Note: Only use in step-up applications.		
26 22 13 00-0062		230 Volt Drive Isolation Transformers *(26 22 13 00-0061)*		
26 22 13 00-0063	EA	7.5 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	2,586.15	338.63
26 22 13 00-0064	EA	11 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	2,985.50	359.79
26 22 13 00-0065	EA	15 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	3,099.24	380.95
26 22 13 00-0066	EA	20 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	3,605.22	402.11

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0067	EA	27 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	3,763.18	444.45
26 22 13 00-0068	EA	34 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	4,135.37	486.78
26 22 13 00-0069	EA	40 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	4,652.26	529.10
26 22 13 00-0070	EA	51 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	5,387.62	592.60
26 22 13 00-0071	EA	63 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	5,800.31	613.76
26 22 13 00-0072	EA	75 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	6,614.76	634.93
26 22 13 00-0073	EA	93 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	8,164.21	656.09
26 22 13 00-0074	EA	118 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	9,240.26	804.24
26 22 13 00-0075	EA	145 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	10,251.27	846.57
26 22 13 00-0076	EA	175 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	11,654.54	888.89
26 22 13 00-0077	EA	220 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	14,187.69	1,058.20
26 22 13 00-0078	EA	275 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	18,628.26	1,248.69
26 22 13 00-0079	EA	330 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	19,725.77	1,375.67
26 22 13 00-0080	EA	440 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	23,856.05	1,523.82
26 22 13 00-0081	EA	550 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	29,238.72	1,693.13

26 22 13 00-0082 208V Drive Isolation Transformers *(26 22 13 00-0061)*

26 22 13 00-0083	EA	7.5 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	2,683.31	338.63
26 22 13 00-0084	EA	11 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	3,100.84	359.79
26 22 13 00-0085	EA	15 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	3,218.21	380.95
26 22 13 00-0086	EA	20 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	3,747.79	402.11
26 22 13 00-0087	EA	27 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	3,909.49	444.45
26 22 13 00-0088	EA	30 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	4,253.98	465.61
26 22 13 00-0089	EA	45 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	4,877.53	550.27
26 22 13 00-0090	EA	51 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	5,601.52	592.60
26 22 13 00-0091	EA	63 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	6,033.07	613.76
26 22 13 00-0092	EA	75 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	6,886.82	634.93
26 22 13 00-0093	EA	93 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	8,512.98	656.09
26 22 13 00-0094	EA	118 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	9,628.71	804.24
26 22 13 00-0095	EA	145 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	10,686.88	846.57
26 22 13 00-0096	EA	175 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	12,157.27	888.89
26 22 13 00-0097	EA	220 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	14,802.12	1,058.20

26 22 13 00-0098 480 Volt x 208Y/120 Volt, 2 - 2.5 Percent FCBN Taps *(26 22 13 00-0056)*

26 22 13 00-0099	EA	9 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	1,942.24	349.21
26 22 13 00-0100	EA	15 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	2,468.58	380.95
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*85.33*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*128.00*	

26 22 13 00-0101 480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 4-2.5 Percent FCBN Taps *(26 22 13 00-0056)*

26 22 13 00-0102	EA	30 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	2,805.96	465.61
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*93.74*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*140.60*	
		For K4 Factor Rating, Add	*1,312.31*	
		For K13 Factor Rating, Add	*1,874.73*	
		For K20 Factor Rating, Add	*2,437.15*	
26 22 13 00-0103	EA	37.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	3,333.15	507.94
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*115.86*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*173.80*	
		For K4 Factor Rating, Add	*1,622.09*	
		For K13 Factor Rating, Add	*2,317.27*	
		For K20 Factor Rating, Add	*3,012.45*	
26 22 13 00-0104	EA	45 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	3,504.14	550.27
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*120.18*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*180.27*	
		For K4 Factor Rating, Add	*1,682.52*	
		For K13 Factor Rating, Add	*2,403.60*	
		For K20 Factor Rating, Add	*3,124.68*	
26 22 13 00-0105	EA	50 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	4,470.37	592.60
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*164.26*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*246.39*	
		For K4 Factor Rating, Add	*2,299.63*	
		For K13 Factor Rating, Add	*3,285.18*	
		For K20 Factor Rating, Add	*4,270.73*	
26 22 13 00-0106	EA	75 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	4,459.27	634.93
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*159.47*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*239.21*	
		For K4 Factor Rating, Add	*2,232.59*	
		For K13 Factor Rating, Add	*3,189.42*	
		For K20 Factor Rating, Add	*4,146.25*	
26 22 13 00-0107	EA	112.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	5,522.13	761.91
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*199.92*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*299.87*	
		For K4 Factor Rating, Add	*2,798.82*	
		For K13 Factor Rating, Add	*3,998.31*	
		For K20 Factor Rating, Add	*5,197.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0108	EA	150 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	7,025.49	846.57
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*266.62*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*399.93*	
		For K4 Factor Rating, Add	*3,732.65*	
		For K13 Factor Rating, Add	*5,332.36*	
		For K20 Factor Rating, Add	*6,932.07*	
26 22 13 00-0109	EA	225 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	9,484.07	1,058.20
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*368.38*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*552.57*	
		For K4 Factor Rating, Add	*5,157.36*	
		For K13 Factor Rating, Add	*7,367.65*	
		For K20 Factor Rating, Add	*9,577.95*	
26 22 13 00-0110	EA	300 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	11,582.87	1,312.18
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*447.93*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*671.89*	
		For K4 Factor Rating, Add	*6,270.96*	
		For K13 Factor Rating, Add	*8,958.51*	
		For K20 Factor Rating, Add	*11,646.06*	
26 22 13 00-0111	EA	500 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	16,335.25	1,608.48
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*655.91*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*983.87*	
		For K4 Factor Rating, Add	*9,182.80*	
		For K13 Factor Rating, Add	*13,118.29*	
		For K20 Factor Rating, Add	*17,053.78*	
26 22 13 00-0112	EA	750 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	35,892.73	1,930.48
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,599.93*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*2,399.89*	
		For K4 Factor Rating, Add	*22,398.96*	
		For K13 Factor Rating, Add	*31,998.52*	
		For K20 Factor Rating, Add	*41,598.08*	
26 22 13 00-0113	EA	1,000 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	46,834.71	2,116.42
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*2,130.09*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*3,195.14*	
		For K4 Factor Rating, Add	*29,821.31*	
		For K13 Factor Rating, Add	*42,601.87*	
		For K20 Factor Rating, Add	*55,382.43*	

26 22 13 00-0114 480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 2-2.5 Percent FCBN Taps *(26 22 13 00-0056)*

26 22 13 00-0115	EA	6 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	1,625.51	328.04
		For K4 Factor Rating, Add	*678.59*	
		For K13 Factor Rating, Add	*969.42*	
		For K20 Factor Rating, Add	*1,260.25*	
26 22 13 00-0116	EA	9 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	1,942.24	349.21
		For K4 Factor Rating, Add	*870.67*	
		For K13 Factor Rating, Add	*1,243.82*	
		For K20 Factor Rating, Add	*1,616.97*	
26 22 13 00-0117	EA	15 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	2,468.58	380.95
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*85.33*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*128.00*	
		For K4 Factor Rating, Add	*1,194.67*	
		For K13 Factor Rating, Add	*1,706.67*	
		For K20 Factor Rating, Add	*2,218.67*	

26 22 13 00-0118 480 Volt x 480Y/277 Volt, 2-2.5 Percent FCAN And 4 Percent FCBN Taps *(26 22 13 00-0056)*

26 22 13 00-0119	EA	30 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	4,499.86	465.61
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*178.43*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*267.65*	
		For K4 Factor Rating, Add	*2,498.04*	
		For K13 Factor Rating, Add	*3,568.63*	
		For K20 Factor Rating, Add	*4,639.22*	
26 22 13 00-0120	EA	45 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	5,071.71	550.27
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*198.56*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*297.84*	
		For K4 Factor Rating, Add	*2,779.82*	
		For K13 Factor Rating, Add	*3,971.17*	
		For K20 Factor Rating, Add	*5,162.52*	
26 22 13 00-0121	EA	75 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	7,309.53	634.93
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*301.98*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*452.98*	
		For K4 Factor Rating, Add	*4,227.78*	
		For K13 Factor Rating, Add	*6,039.68*	
		For K20 Factor Rating, Add	*7,851.58*	
26 22 13 00-0122	EA	112.5 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	9,142.01	761.91
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*380.91*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*571.36*	
		For K4 Factor Rating, Add	*5,332.73*	
		For K13 Factor Rating, Add	*7,618.19*	
		For K20 Factor Rating, Add	*9,903.65*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 22 13 00-0123	EA	150 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	10,941.10	846.57
			For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*462.40*	
			For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*693.60*	
			For K4 Factor Rating, Add	*6,473.58*	
			For K13 Factor Rating, Add	*9,247.97*	
			For K20 Factor Rating, Add	*12,022.36*	
	26 22 13 00-0124	EA	225 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	13,998.27	1,058.20
			For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*594.09*	
			For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*891.14*	
			For K4 Factor Rating, Add	*8,317.30*	
			For K13 Factor Rating, Add	*11,881.85*	
			For K20 Factor Rating, Add	*15,446.41*	
	26 22 13 00-0125	EA	300 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	17,045.10	1,312.18
			For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*721.04*	
			For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,081.56*	
			For K4 Factor Rating, Add	*10,094.52*	
			For K13 Factor Rating, Add	*14,420.74*	
			For K20 Factor Rating, Add	*18,746.96*	
	26 22 13 00-0126	EA	500 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	26,902.26	1,608.48
			For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,184.27*	
			For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,776.40*	
			For K4 Factor Rating, Add	*16,579.71*	
			For K13 Factor Rating, Add	*23,685.30*	
			For K20 Factor Rating, Add	*30,790.89*	
	26 22 13 00-0127		3 Phase 60 Hz K20 Dry Type Transformers *(26 22 13 00-0056)*		
	26 22 13 00-0128		3 Phase 60 Hz K20 Dry Type Transformers, 115 C Rise *(26 22 13 00-0127)*		
			Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
	26 22 13 00-0129	EA	15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	2,331.38	380.95
	26 22 13 00-0130	EA	30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	3,417.36	465.61
	26 22 13 00-0131	EA	45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	4,886.27	550.27
	26 22 13 00-0132	EA	75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	6,177.27	634.93
	26 22 13 00-0133	EA	112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	9,093.77	761.91
	26 22 13 00-0134	EA	150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	10,983.31	846.57
	26 22 13 00-0135	EA	225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	12,844.91	1,058.20
	26 22 13 00-0136	EA	300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	20,043.83	1,312.18
	26 22 13 00-0137		3 Phase 60 Hz K20 Dry Type Transformers, 80 C Rise *(26 22 13 00-0127)*		
			Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
	26 22 13 00-0138	EA	15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	2,646.48	380.95
	26 22 13 00-0139	EA	30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	3,914.88	465.61
	26 22 13 00-0140	EA	45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	5,643.11	550.27
	26 22 13 00-0141	EA	75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	7,157.25	634.93
	26 22 13 00-0142	EA	112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	10,607.46	761.91
	26 22 13 00-0143	EA	150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	12,842.26	846.57
	26 22 13 00-0144	EA	225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	14,990.31	1,058.20
	26 22 13 00-0145	EA	300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	23,528.03	1,312.18
	26 22 13 00-0146		NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0056)*		
	26 22 13 00-0147		Aluminum Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0146)*		
			Note: Two taps at 2.5%, four at -2.5%.		
	26 22 13 00-0148		150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0147)*		
	26 22 13 00-0149	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	3,012.33	377.70
	26 22 13 00-0150	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	3,674.18	461.64
	26 22 13 00-0151	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	4,433.80	545.57
	26 22 13 00-0152	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	5,995.40	629.51
	26 22 13 00-0153	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	8,056.76	755.41
	26 22 13 00-0154	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	10,063.90	839.34
	26 22 13 00-0155	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	13,369.27	1,049.18
	26 22 13 00-0156	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	18,892.57	1,300.98
	26 22 13 00-0157		115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0147)*		
	26 22 13 00-0158	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	3,691.38	377.70
	26 22 13 00-0159	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	4,496.70	461.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0160	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	5,436.83	545.57
26 22 13 00-0161	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	7,416.55	629.51
26 22 13 00-0162	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	9,523.60	755.41
26 22 13 00-0163	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	12,579.46	839.34
26 22 13 00-0164	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	16,750.77	1,049.18
26 22 13 00-0165	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	23,779.76	1,300.98
26 22 13 00-0166		80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0147)*		
26 22 13 00-0167	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	4,367.68	377.70
26 22 13 00-0168	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	5,321.52	461.64
26 22 13 00-0169	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	6,439.86	545.57
26 22 13 00-0170	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	8,835.41	629.51
26 22 13 00-0171	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	11,374.29	755.41
26 22 13 00-0172	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	15,095.02	839.34
26 22 13 00-0173	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	20,132.28	1,049.18
26 22 13 00-0174	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	28,666.95	1,300.98
26 22 13 00-0175		Copper Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0146)*		
		Note: Two taps at 2.5%, four at -2.5%.		
26 22 13 00-0176		150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0175)*		
26 22 13 00-0177	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	4,141.48	377.70
26 22 13 00-0178	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	5,047.34	461.64
26 22 13 00-0179	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	6,103.99	545.57
26 22 13 00-0180	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	8,362.45	629.51
26 22 13 00-0181	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	11,401.71	755.41
26 22 13 00-0182	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	14,343.33	839.34
26 22 13 00-0183	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	19,120.11	1,049.18
26 22 13 00-0184	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	27,206.96	1,300.98
26 22 13 00-0185		115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0175)*		
26 22 13 00-0186	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	4,817.79	377.70
26 22 13 00-0187	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	5,872.16	461.64
26 22 13 00-0188	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	7,107.02	545.57
26 22 13 00-0189	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	9,783.60	629.51
26 22 13 00-0190	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	15,002.55	755.41
26 22 13 00-0191	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	18,972.33	839.34
26 22 13 00-0192	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	24,228.93	1,049.18
26 22 13 00-0193	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	36,229.64	1,300.98
26 22 13 00-0194		80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0175)*		
26 22 13 00-0195	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	5,496.37	377.70

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0196	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	6,696.97	461.64
26 22 13 00-0197	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	8,110.04	545.57
26 22 13 00-0198	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	11,202.46	629.51
26 22 13 00-0199	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	17,895.11	755.41
26 22 13 00-0200	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	23,169.51	839.34
26 22 13 00-0201	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	29,335.45	1,049.18
26 22 13 00-0202	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	43,435.89	1,300.98
26 22 13 00-0203		3 Phase Weathershields *(26 22 13 00-0056)*		
		Note: Use with type DT-3 and DS-3.		
26 22 13 00-0204	EA	45-112.5 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	414.61	
26 22 13 00-0205	EA	150-300 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	704.08	
26 22 13 00-0206	EA	500-1,000 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	704.08	
26 22 13 00-0207		Three Phase Mounting Brackets *(26 22 13 00-0056)*		
26 22 13 00-0208	EA	3 Phase Mounting Brackets (Set Of 2) For Transformers Up To 112.5 KVA	522.25	150.47
26 22 13 00-0209		Pad Mounted Commercial Type Distribution Transformers UL Listed *(26 22 13)*		
26 22 13 00-0210		Distribution 3 Phase Oil Filled Transformer *(26 22 13 00-0209)*		
		Note: Designed for loads as shopping centers, institutions, and industrial plants with underground distribution. KVA-75 thru 1000, 3 phase 95 thru 150 KV BIL standard features. With taps 4-1/2 percent below - 2-1/2 percent above and below.		
26 22 13 00-0211		Factory Modifications *(26 22 13 00-0210)*		
		Note: For use with series 4100 3 phase transformers.		
26 22 13 00-0212	EA	Current Limiting Fuse 95 KV Series 4100, 3 Phase Transformer, Factory Modification	759.71	
26 22 13 00-0213	EA	Lightning Arrestors 9-10 KV Series 4100, 3 Phase Transformer, Factory Modification	123.54	
26 22 13 00-0214	EA	Loadbreaker Oil Switch, 2 Position Series 4100, 3 Phase Transformer, Factory Modification	494.15	
26 22 13 00-0215	EA	Loop Feed Air Switch Series 4100, 3 Phase Transformer, Factory Modification	1,423.67	
26 22 13 00-0216	EA	Loadbreaker Inserts Series 4100, 3 Phase Transformer, Factory Modification	174.41	
26 22 13 00-0217	EA	Lightning Arrestors, 15 KV Series 4100, 3 Phase Transformer, Factory Modification	138.07	
26 22 13 00-0218		Accessories For Transformer Liquid Containment Area *(26 22 13 00-0210)*		
		Note: Reinforced concrete curb with 6" slab.		
26 22 13 00-0219	EA	Containment Area For 75 KVA	4,239.64	1,590.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,060.43*	
26 22 13 00-0220	EA	Containment Area For 112.5 KVA	4,239.64	1,590.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,060.43*	
26 22 13 00-0221	EA	Containment Area For 150 KVA	4,239.64	1,590.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,060.43*	
26 22 13 00-0222	EA	Containment Area For 225 KVA	4,239.64	1,590.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,060.43*	
26 22 13 00-0223	EA	Containment Area For 300 KVA	4,233.94	1,590.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,058.72*	
26 22 13 00-0224	EA	Containment Area For 500 KVA	4,233.94	1,590.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,058.72*	
26 22 13 00-0225	EA	Containment Area For 750 KVA	4,254.29	1,590.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,058.72*	
26 22 13 00-0226	EA	Containment Area For 1,000 KVA	4,549.32	1,590.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,058.72*	
26 22 13 00-0227		Primary, 4.16/4.8 KV Ground Y Or Delta 480 Y / 277 Volt, 480 Volt, 95 KV BIL *(26 22 13 00-0210)*		
		Note: 7.2 Thru 14.4 KV secondary. Rated to 5 KVA.		
26 22 13 00-0228	EA	45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	5,430.11	1,007.20
26 22 13 00-0229	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	5,866.13	1,007.20
26 22 13 00-0230	EA	112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	6,156.80	1,007.20
26 22 13 00-0231	EA	150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	7,028.83	1,007.20
26 22 13 00-0232	EA	225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	7,850.52	1,510.81
26 22 13 00-0233	EA	300 KVA, Primary4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	8,141.19	1,510.81
26 22 13 00-0234	EA	500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	11,629.30	1,510.81
26 22 13 00-0235	EA	750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	14,929.68	2,014.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0236	EA	1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	18,708.46	2,014.42
26 22 13 00-0237		**Primary, 4.16/4.8 KV Ground Y Or Delta 208 Y / 120 Volt, 95 BIL** *(26 22 13 00-0210)* Note: 7.2 Thru 14.4 KV secondary. Rated to 5 KVA.		
26 22 13 00-0238	EA	45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	5,575.45	1,007.20
26 22 13 00-0239	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	6,156.80	1,007.20
26 22 13 00-0240	EA	112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	6,302.14	1,007.20
26 22 13 00-0241	EA	150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	6,447.48	1,007.20
26 22 13 00-0242	EA	225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	7,850.52	1,510.81
26 22 13 00-0243	EA	300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	8,431.87	1,510.81
26 22 13 00-0244	EA	500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	11,629.30	1,510.81
26 22 13 00-0245	EA	750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	15,075.01	2,014.42
26 22 13 00-0246	EA	1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	18,708.46	2,014.42
26 22 13 00-0247		**Primary 5 KV Or 15 KV, Secondary 277/480 Volt** *(26 22 13 00-0209)* Note: 4-2.5 Percent taps FCAN and FCBN. Pad mounted.		
26 22 13 00-0248	EA	150 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	9,306.00	1,345.57
26 22 13 00-0249	EA	225 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	10,341.46	1,588.47
26 22 13 00-0250	EA	300 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	11,852.38	1,941.47
26 22 13 00-0251	EA	500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	13,931.97	2,184.36
26 22 13 00-0252	EA	750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	16,534.75	2,299.26
26 22 13 00-0253	EA	1,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	20,886.24	3,359.55
26 22 13 00-0254	EA	1,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	24,304.55	3,800.80
26 22 13 00-0255	EA	2,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	29,877.27	4,368.73
26 22 13 00-0256	EA	2,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	32,641.34	4,587.17
26 22 13 00-0257	EA	3,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	34,890.90	5,111.60
26 22 13 00-0258	EA	3,750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	39,467.75	5,461.09
26 22 13 00-0259		**Pad Mounted Transformer 15 KV - 480 Volt, Oil Filled** *(26 22 13 00-0209)*		
26 22 13 00-0260	EA	1,500 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled	34,706.47	3,740.51
26 22 13 00-0261	EA	2,000 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled	42,411.62	4,301.62
26 22 13 00-0262	EA	2,500 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled	47,868.34	4,527.99
26 22 13 00-0263	EA	3,000 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled	51,088.92	5,060.71
26 22 13 00-0264	EA	3,750 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled	56,826.22	5,214.06
26 22 13 00-0265		**Silicone Filled Distribution Transformers, 3 Phase** *(26 22 13 00-0209)* Note: Primary 5 KV or 15 KV, secondary 277/480 V, 4-2.5 percent taps FCAN and FCBN. Pad mounted.		
26 22 13 00-0266	EA	225 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	14,947.60	1,588.47
26 22 13 00-0267	EA	300 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	16,402.89	1,941.47
26 22 13 00-0268	EA	500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	19,091.95	2,184.36
26 22 13 00-0269	EA	750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	22,608.93	2,299.26
26 22 13 00-0270	EA	1,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	28,018.44	3,359.55
26 22 13 00-0271	EA	1,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	34,874.45	3,800.80
26 22 13 00-0272	EA	2,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	42,087.27	4,368.73
26 22 13 00-0273	EA	2,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	47,518.61	4,587.17
26 22 13 00-0274		**Foam Core Poly Transformer Pads** *(26 22 13)*		
26 22 13 00-0275	EA	Single Phase Foam Core Poly Pads Note: Excludes site prep.	138.27	28.38

26 24 Switchboards And Panelboards *(26 20)*

26 24 13 Switchboards *(26 24)*

Note: Installation of free-standing building distribution switchboards. Switchboard sections to be mounted on 4" concrete pad. Includes material, handling, unloading at job site, assembly and installation, wiring connections, testing and cleanup. Exclude concrete pad and foundation.

26 24 13 00-0001 Fusible Switch Type 240 Volt, 3 Phase, 3 Wire *(26 24 13)*

26 24 13 00-0002 Incoming Service Section Main Device Only *(26 24 13 00-0001)*

Note: Copper bus, non-metering type, with fuses.

26 24 13 00-0003	EA	400 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	2,810.59	719.81
26 24 13 00-0004	EA	600 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	3,107.35	761.37
26 24 13 00-0005	EA	800 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	4,979.83	863.66
26 24 13 00-0006	EA	1,200 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	5,363.86	925.87
26 24 13 00-0007	EA	1,600 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	8,553.80	987.17
26 24 13 00-0008	EA	2,000 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	9,532.65	1,049.64

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0009	EA	400 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire	3,386.70	719.81
26 24 13 00-0010	EA	600 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire	4,321.51	761.37
26 24 13 00-0011	EA	800 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire	6,002.34	864.40
26 24 13 00-0012	EA	1,200 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire	8,183.65	925.87
26 24 13 00-0013	EA	1,600 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire	8,553.80	988.17
26 24 13 00-0014	EA	2,000 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire	9,532.65	1,049.64
26 24 13 00-0015	EA	2,500 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire	11,438.83	1,097.36
26 24 13 00-0016	EA	3,000 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire	12,961.21	1,175.63
26 24 13 00-0017	EA	4,000 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire	15,286.07	1,267.30
26 24 13 00-0018	EA	400 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire	1,924.06	637.77
26 24 13 00-0019	EA	600 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire	2,122.42	678.99
26 24 13 00-0020	EA	800 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire	2,431.49	781.61
26 24 13 00-0021	EA	1,000 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire	2,619.06	814.45
26 24 13 00-0022	EA	1,200 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire	2,785.95	843.82
26 24 13 00-0023	EA	1,600 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire	3,050.37	904.72
26 24 13 00-0024	EA	2,000 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire	3,297.58	966.77

26 24 13 00-0025 Branch Breaker Units *(26 24 13 00-0001)*

Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.

26 24 13 00-0026	EA	15 - 60 Amp MC Branch Breaker, 240 Volt	237.16	25.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.06*	
26 24 13 00-0027	EA	70 - 100 Amp MC Branch Breaker, 240 Volt	347.77	39.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.70*	
26 24 13 00-0028	EA	125 - 225 Amp MC Branch Breaker, 240 Volt	930.46	72.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.20*	
26 24 13 00-0029	EA	100 - 400 Amp MC Branch Breaker, 240 Volt	1,648.35	93.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.29*	
26 24 13 00-0030	EA	300 - 600 Amp MC Branch Breaker, 240 Volt	2,942.83	230.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*138.23*	
26 24 13 00-0031	EA	400 - 800 Amp MC Branch Breaker, 240 Volt	4,696.88	230.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*138.23*	
26 24 13 00-0032	EA	600 - 1,200 Amp MC Branch Breaker, 240 Volt	7,618.93	410.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*246.38*	

26 24 13 00-0033 Fusible Switch Type 480 Volt, 3 Phase, 3 Wire *(26 24 13)*

26 24 13 00-0034 Incoming Service Section Main Device Only *(26 24 13 00-0033)*

Note: Copper bus, non-metering type, with fuses.

26 24 13 00-0035	EA	400 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire	3,975.54	934.02
26 24 13 00-0036	EA	600 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire	4,435.76	934.02
26 24 13 00-0037	EA	800 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire	6,531.94	1,213.81
26 24 13 00-0038	EA	1,200 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire	7,394.87	1,213.81

26 24 13 00-0039 Fusible Switch Type 120/240 Volt, 1 Phase, 3 Wire *(26 24 13)*

26 24 13 00-0040 Incoming Service Section Main Device Only *(26 24 13 00-0039)*

Note: Copper bus, non-metering type, with fuses.

26 24 13 00-0041	EA	200/400 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire	2,528.17	637.77
26 24 13 00-0042	EA	600 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire	2,811.68	678.99
26 24 13 00-0043	EA	800 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire	4,280.26	781.61
26 24 13 00-0044	EA	1,200 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire	4,649.84	843.17
26 24 13 00-0045	EA	200/400 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire	3,075.07	637.77
26 24 13 00-0046	EA	600 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire	3,870.42	678.99
26 24 13 00-0047	EA	800 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire	5,416.12	781.61
26 24 13 00-0048	EA	1,200 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire	7,747.75	843.17
26 24 13 00-0049	EA	2,000 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire	9,091.13	946.36
26 24 13 00-0050	EA	200/400 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire	1,781.62	555.39
26 24 13 00-0051	EA	600 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire	1,993.81	596.70
26 24 13 00-0052	EA	800 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire	2,340.45	699.32
26 24 13 00-0053	EA	1,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire	2,517.16	732.15
26 24 13 00-0054	EA	1,200 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire	2,687.88	761.37
26 24 13 00-0055	EA	1,600 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire	2,915.51	814.45
26 24 13 00-0056	EA	2,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire	3,137.85	863.66
26 24 13 00-0057	EA	2,500 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire	3,894.81	1,069.80
26 24 13 00-0058	EA	3,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire	4,356.97	1,172.66
26 24 13 00-0059	EA	4,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire	5,114.39	1,265.24

26 24 13 00-0060 Branch Breaker Units *(26 24 13 00-0039)*

Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 2 pole. Use upper range to determine breaker unless designing for future expansion.

26 24 13 00-0061	EA	15 - 60 Amp MC Branch Breaker, 120 / 240 Volt	128.46	21.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.09*	
26 24 13 00-0062	EA	70 - 100 Amp MC Branch Breaker, 120 / 240 Volt	204.23	36.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.72*	
26 24 13 00-0063	EA	125 - 225 Amp MC Branch Breaker, 120 / 240 Volt	615.40	50.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.37*	
26 24 13 00-0064	EA	100 - 400 Amp MC Branch Breaker, 120 / 240 Volt	1,760.19	65.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0065	EA	300 - 600 Amp MC Branch Breaker, 120 / 240 Volt	2,779.01	158.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.04*	
26 24 13 00-0066	EA	400 - 800 Amp MC Branch Breaker, 120 / 240 Volt	3,942.92	158.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.04*	
26 24 13 00-0067	EA	600 - 1,200 Amp MC Branch Breaker, 120 / 240 Volt	6,506.26	302.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*181.47*	

26 24 13 00-0068 Fusible Switch Type 120/208 Volt, 3 Phase, 4 Wire *(26 24 13)*

26 24 13 00-0069 Incoming Service Section Main Device Only *(26 24 13 00-0068)*

Note: Copper bus, non-metering type, with fuses.

26 24 13 00-0070	EA	400 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire	2,811.60	719.81
26 24 13 00-0071	EA	600 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire	3,106.23	761.37
26 24 13 00-0072	EA	800 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire	4,978.37	863.66
26 24 13 00-0073	EA	1,200 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire	5,362.19	925.87
26 24 13 00-0074	EA	1,600 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire	8,550.00	987.17
26 24 13 00-0075	EA	2,000 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire	9,532.65	1,049.64
26 24 13 00-0076	EA	400 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire	3,387.71	719.81
26 24 13 00-0077	EA	600 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire	4,320.39	761.37
26 24 13 00-0078	EA	800 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire	6,002.34	864.40
26 24 13 00-0079	EA	1,200 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire	8,181.98	925.87
26 24 13 00-0080	EA	1,600 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire	8,551.89	988.17
26 24 13 00-0081	EA	2,000 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire	9,532.65	1,049.64
26 24 13 00-0082	EA	400 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire	2,015.16	637.77
26 24 13 00-0083	EA	600 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire	2,249.59	678.99
26 24 13 00-0084	EA	800 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire	2,622.04	781.61
26 24 13 00-0085	EA	1,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire	2,818.52	814.45
26 24 13 00-0086	EA	1,200 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire	3,008.20	843.82
26 24 13 00-0087	EA	1,600 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire	3,264.31	904.72
26 24 13 00-0088	EA	2,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire	3,524.00	966.77
26 24 13 00-0089	EA	2,500 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire	4,178.30	1,098.60
26 24 13 00-0090	EA	3,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire	4,618.90	1,175.54
26 24 13 00-0091	EA	4,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire	5,440.97	1,263.19

26 24 13 00-0092 Branch Breaker Units *(26 24 13 00-0068)*

Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 120/208 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.

26 24 13 00-0093	EA	15 - 60 Amp MC Branch Breaker, 120/208 Volt	237.16	25.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.06*	
26 24 13 00-0094	EA	70 - 100 Amp MC Branch Breaker, 120/208 Volt	347.77	39.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.70*	
26 24 13 00-0095	EA	125 - 225 Amp MC Branch Breaker, 120/208 Volt	930.46	72.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.20*	
26 24 13 00-0096	EA	100 - 400 Amp MC Branch Breaker, 120/208 Volt	1,648.35	93.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.29*	
26 24 13 00-0097	EA	300 - 600 Amp MC Branch Breaker, 120/208 Volt	2,942.83	230.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*138.23*	
26 24 13 00-0098	EA	400 - 800 Amp MC Branch Breaker, 120/208 Volt	4,696.88	230.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*138.23*	
26 24 13 00-0099	EA	600 - 1,200 Amp MC Branch Breaker, 120/208 Volt	7,618.93	410.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*246.38*	

26 24 13 00-0100 Fusible Switch Type 277/480 Volt, 3 Phase, 4 Wire *(26 24 13)*

26 24 13 00-0101 Incoming Service Section Main Device Only *(26 24 13 00-0100)*

Note: Copper bus, non-metering type, with fuses.

26 24 13 00-0102	EA	400 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire	3,650.13	987.17
26 24 13 00-0103	EA	600 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire	4,002.91	1,049.64
26 24 13 00-0104	EA	800 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire	5,660.78	1,171.59
26 24 13 00-0105	EA	1,200 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire	6,185.26	1,254.46
26 24 13 00-0106	EA	400 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire	4,628.23	987.17
26 24 13 00-0107	EA	600 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire	6,195.18	1,049.64
26 24 13 00-0108	EA	800 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire	7,017.85	1,172.91
26 24 13 00-0109	EA	1,200 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire	8,839.12	1,254.46
26 24 13 00-0110	EA	1,600 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire	9,250.92	1,337.66
26 24 13 00-0111	EA	2,000 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire	10,274.94	1,420.77
26 24 13 00-0112	EA	400 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire	2,015.16	637.77
26 24 13 00-0113	EA	600 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire	2,249.59	678.99
26 24 13 00-0114	EA	800 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire	2,622.04	781.61
26 24 13 00-0115	EA	1,000 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire	2,818.52	814.45
26 24 13 00-0116	EA	1,200 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire	3,008.20	843.82
26 24 13 00-0117	EA	1,600 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire	3,264.31	904.72
26 24 13 00-0118	EA	2,000 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire	3,524.00	966.77

26 24 13 00-0119 Branch Breaker Units *(26 24 13 00-0100)*

Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 480 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.

26 24 13 00-0120	EA	15 - 60 Amp MC Branch Breaker, 480 / 277 Volt	488.41	25.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.06*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0121	EA	70 - 100 Amp MC Branch Breaker, 480 / 277 Volt	563.96	39.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.70*	
26 24 13 00-0122	EA	125 - 225 Amp MC Branch Breaker, 480 / 277 Volt	1,022.78	72.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.20*	
26 24 13 00-0123	EA	100 - 400 Amp MC Branch Breaker, 480 / 277 Volt	1,648.35	93.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.29*	
26 24 13 00-0124	EA	300 - 600 Amp MC Branch Breaker, 480 / 277 Volt	3,950.15	230.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*138.23*	
26 24 13 00-0125	EA	400 - 800 Amp MC Branch Breaker, 480 / 277 Volt	4,040.13	230.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*138.23*	
26 24 13 00-0126	EA	600 - 1,200 Amp MC Branch Breaker, 480 / 277 Volt	6,486.57	410.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*246.38*	

26 24 13 00-0127 Fusible Branch Circuit Switch *(26 24 13)*

Note: Includes switch fuses, and portion of distribution section occupied by that branch device.

26 24 13 00-0128 240 Volt, 2 Pole Twin Branch Switch Units *(26 24 13 00-0127)*

26 24 13 00-0129	EA	30/30 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit	506.85	64.60
		For Electrical Interlock Kit, Add	*204.29*	
26 24 13 00-0130	EA	30/60 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit	505.10	64.60
		For Electrical Interlock Kit, Add	*204.29*	
26 24 13 00-0131	EA	60/60 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit	505.10	64.60
		For Electrical Interlock Kit, Add	*204.29*	
26 24 13 00-0132	EA	60/100 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit	791.23	85.17
		For Electrical Interlock Kit, Add	*204.29*	
26 24 13 00-0133	EA	100/100 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit	791.23	85.17
		For Electrical Interlock Kit, Add	*204.29*	

26 24 13 00-0134 240 Volt, 2 Pole Single Branch Switch Units *(26 24 13 00-0127)*

26 24 13 00-0135	EA	100 Amp, 240 Volt, 2 Pole Single Branch Switch Unit	578.80	63.36
		For Electrical Interlock Kit, Add	*195.71*	
26 24 13 00-0136	EA	200 Amp, 240 Volt, 2 Pole Single Branch Switch Unit	841.23	63.36
		For Electrical Interlock Kit, Add	*195.71*	
26 24 13 00-0137	EA	400 Amp, 240 Volt, 2 Pole Single Branch Switch Unit	2,162.96	170.75

26 24 13 00-0138 240 Volt, 3 Pole Twin Branch Switch Units *(26 24 13 00-0127)*

26 24 13 00-0139	EA	30/30 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit	648.58	72.82
		For Electrical Interlock Kit, Add	*204.29*	
26 24 13 00-0140	EA	30/60 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit	646.83	72.82
		For Electrical Interlock Kit, Add	*204.29*	
26 24 13 00-0141	EA	60/60 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit	646.83	72.82
		For Electrical Interlock Kit, Add	*204.29*	
26 24 13 00-0142	EA	60/100 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit	973.26	97.52
		For Electrical Interlock Kit, Add	*204.29*	
26 24 13 00-0143	EA	100/100 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit	973.26	97.52
		For Electrical Interlock Kit, Add	*204.29*	

26 24 13 00-0144 240 Volt, 3 Pole Single Branch Switch Units *(26 24 13 00-0127)*

26 24 13 00-0145	EA	100 Amp, 240 Volt, 3 Pole Single Branch Switch Unit	700.52	71.59
		For Electrical Interlock Kit, Add	*204.29*	
26 24 13 00-0146	EA	200 Amp, 240 Volt, 3 Pole Single Branch Switch Unit	1,128.33	71.59
		For Electrical Interlock Kit, Add	*195.71*	
26 24 13 00-0147	EA	400 Amp, 240 Volt, 3 Pole Single Branch Switch Unit	2,893.39	191.16
26 24 13 00-0148	EA	600 Amp, 240 Volt, 3 Pole Single Branch Switch Unit	4,129.28	244.90
26 24 13 00-0149	EA	800 Amp, 240 Volt, 3 Pole Single Branch Switch Unit	7,674.17	331.80

26 24 13 00-0150 600 Volt, 3 Pole Twin Branch Switch Units *(26 24 13 00-0127)*

26 24 13 00-0151	EA	30/30 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit	913.49	72.82
		For Electrical Interlock Kit, Add	*204.29*	
26 24 13 00-0152	EA	30/60 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit	911.72	72.82
		For Electrical Interlock Kit, Add	*204.29*	
26 24 13 00-0153	EA	60/60 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit	913.49	72.82
		For Electrical Interlock Kit, Add	*204.29*	
26 24 13 00-0154	EA	60/100 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit	1,372.97	97.52
		For Electrical Interlock Kit, Add	*204.29*	
26 24 13 00-0155	EA	100/100 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit	1,402.56	97.52
		For Electrical Interlock Kit, Add	*204.29*	
26 24 13 00-0156	EA	200/200 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit	2,978.93	127.56
		For Electrical Interlock Kit, Add	*204.29*	

26 24 13 00-0157 600 Volt, 3 Pole, Single Branch Switch Units *(26 24 13 00-0127)*

26 24 13 00-0158	EA	100 Amp, 600 Volt, 3 Pole Single Branch Switch Unit	985.84	71.59
		For Electrical Interlock Kit, Add	*204.29*	
26 24 13 00-0159	EA	200 Amp, 600 Volt, 3 Pole Single Branch Switch Unit	1,490.56	71.59
		For Electrical Interlock Kit, Add	*195.71*	
26 24 13 00-0160	EA	400 Amp, 600 Volt, 3 Pole Single Branch Switch Unit	3,628.15	191.16
		For Electrical Interlock Kit, Add	*195.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0161	EA	600 Amp, 600 Volt, 3 Pole Single Branch Switch Unit	4,407.39	244.90
26 24 13 00-0162	EA	800 Amp, 600 Volt, 3 Pole Single Branch Switch Unit	7,674.17	331.80
26 24 13 00-0163		Service And Distribution Structures *(26 24 13)*		
26 24 13 00-0164		Type WRI Distribution Section 600 Volts, 250 Volts DC *(26 24 13 00-0163)*		
26 24 13 00-0165		600 Amp Main Bus, 4 Wire *(26 24 13 00-0164)*		
26 24 13 00-0166	EA	14 Watt Distribution Section, 600 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	1,898.00	757.09
26 24 13 00-0167	EA	24 - 30 Watt Distribution Section, 600 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	2,258.51	757.09
26 24 13 00-0168	EA	34 - 38 Watt Distribution Section, 600 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	2,515.27	962.82
26 24 13 00-0169	EA	42 - 48 Watt Distribution Section, 600 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	2,781.13	962.82
26 24 13 00-0170		800 Amp Main Bus, 4 Wire *(26 24 13 00-0164)*		
26 24 13 00-0171	EA	14 Watt Distribution Section, 800 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	2,139.94	876.42
26 24 13 00-0172	EA	24 - 30 Watt Distribution Section, 800 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	2,489.93	876.42
26 24 13 00-0173	EA	34 - 38 Watt Distribution Section, 800 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	2,781.13	1,086.26
26 24 13 00-0174	EA	42 - 48 Watt Distribution Section, 800 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	3,019.95	1,086.26
26 24 13 00-0175		1,200 Amp Main Bus, 4 Wire *(26 24 13 00-0164)*		
26 24 13 00-0176	EA	14 Watt Distribution Section, 1,200 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	2,514.40	1,069.80
26 24 13 00-0177	EA	24 - 30 Watt Distribution Section, 1,200 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	2,873.38	1,069.80
26 24 13 00-0178	EA	34 - 38 Watt Distribution Section, 1,200 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	3,183.23	1,316.68
26 24 13 00-0179	EA	42 - 48 Watt Distribution Section, 1,200 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	3,533.12	1,316.68
26 24 13 00-0180		1,600 Amp Main Bus, 4 Wire *(26 24 13 00-0164)*		
26 24 13 00-0181	EA	14 Watt Distribution Section, 1,600 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	3,087.43	1,172.66
26 24 13 00-0182	EA	24 - 30 Watt Distribution Section, 1,600 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	3,518.32	1,172.66
26 24 13 00-0183	EA	34 - 38 Watt Distribution Section, 1,600 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	3,887.31	1,448.34
26 24 13 00-0184	EA	42 - 48 Watt Distribution Section, 1,600 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	4,192.10	1,448.34
26 24 13 00-0185		2,000 Amp Main Bus, 4 Wire *(26 24 13 00-0164)*		
26 24 13 00-0186	EA	14 Watt Distribution Section, 2,000 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	3,239.99	1,176.78
26 24 13 00-0187	EA	24 - 30 Watt Distribution Section, 2,000 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	3,706.72	1,324.91
26 24 13 00-0188	EA	34 - 38 Watt Distribution Section, 2,000 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	3,781.81	1,324.91
26 24 13 00-0189	EA	42 - 48 Watt Distribution Section, 2,000 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	3,943.30	1,398.96
26 24 13 00-0190		3,000 Amp Main Bus, 4 Wire *(26 24 13 00-0164)*		
26 24 13 00-0191	EA	24 - 30 Watt Distribution Section, 3,000 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	4,420.61	1,324.91
26 24 13 00-0192	EA	34 - 38 Watt Distribution Section, 3,000 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	4,494.58	1,324.91
26 24 13 00-0193	EA	42 - 48 Watt Distribution Section, 3,000 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	4,656.07	1,398.96
26 24 13 00-0194		4,000 Amp Main Bus, 4 Wire *(26 24 13 00-0164)*		
26 24 13 00-0195	EA	24 - 30 Watt Distribution Section, 4,000 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	4,526.11	1,398.96
26 24 13 00-0196	EA	34 - 38 Watt Distribution Section, 4,000 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	4,656.07	1,398.96
26 24 13 00-0197	EA	42 - 48 Watt Distribution Section, 4,000 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	4,714.38	1,398.96
26 24 13 00-0198		Pull Boy, Horizontal Mounted Across Top Of Switch Board *(26 24 13 00-0164)*		
26 24 13 00-0199	EA	18 - 24" Wide, 30" High, Open Bottom, Pull Boy Horizontal Mounted, Top Of Switchboard	396.29	98.75
26 24 13 00-0200	EA	Drilled Bottom	446.98	98.75
26 24 13 00-0201	EA	Cable Supports In Pull Box	157.78	24.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.71*	
26 24 13 00-0202		Underground Pull Sections *(26 24 13 00-0164)*		
		Note: Excludes no bus or terminal.		
26 24 13 00-0203	EA	12 - 20" Wide, 15 - 20" Deep Underground Pull Section Without Bus Or Terminal	386.46	115.21
26 24 13 00-0204	EA	24 - 28" Wide, 20" Deep Underground Pull Section Without Bus Or Terminal	663.80	148.12
26 24 13 00-0205	EA	24 - 28" Wide, 30" Deep Underground Pull Section Without Bus Or Terminal	663.80	148.12
26 24 13 00-0206	EA	14 - 20" Wide, 36" Deep Underground Pull Section Without Bus Or Terminal	498.94	115.21
26 24 13 00-0207	EA	28 - 30" Wide, 36" Deep Underground Pull Section Without Bus Or Terminal	710.80	168.70
26 24 13 00-0208	EA	14 - 20" Wide, 42 - 60" Deep Underground Pull Section Without Bus Or Terminal	812.57	168.70
26 24 13 00-0209	EA	26 - 30" Wide, 42 - 60" Deep Underground Pull Section Without Bus Or Terminal	853.43	218.07
26 24 13 00-0210	EA	38" Wide, 42 - 60" Deep Underground Pull Section Without Bus Or Terminal	903.22	218.07
26 24 13 00-0211		Switchboard Sections *(26 24 13 00-0163)*		
26 24 13 00-0212	EA	600 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire	3,087.50	685.75
26 24 13 00-0213	EA	800 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire	3,380.84	745.40
26 24 13 00-0214	EA	1,200 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire	4,242.59	952.45
26 24 13 00-0215	EA	1,600 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire	4,639.59	1,039.02
26 24 13 00-0216	EA	2,000 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire	4,947.75	1,106.09

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0217	EA	400 Amp Switchboard Incoming For Switch Circuit Section 480 Volt	3,640.26	601.56
26 24 13 00-0218	EA	Distribution Section Subfeeder Lug-Rated At 200 Amp	2,107.86	571.44
26 24 13 00-0219	EA	Distribution Section Subfeeder Lug-Rated At 400 Amp	2,333.57	619.66
26 24 13 00-0220	EA	Distribution Section Aluminum Bus 120/208 Or 277/480 Volt, 4 Wire	2,900.79	685.75
26 24 13 00-0221	EA	800 Amp Switchboard Distribution Section Aluminum Bus Less Breaker	3,152.79	687.55
26 24 13 00-0222	EA	1,000 Amp Switchboard Distribution Section Aluminum Bus Less Breaker	3,478.95	767.62
26 24 13 00-0223	EA	15 To 60 Amp, 240 Volt, 1 Phase, Feed Section Circuit Breaker FA Frame	119.58	41.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.13*	
26 24 13 00-0224	EA	70 To 100 Amp, 240 Volt, 3 Phase, Feed Section Circuit Breaker FA Frame	145.70	41.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.69*	
26 24 13 00-0225	EA	70 To 225 Amp, 480 Volt, 3 Phase, Feed Section Circuit Breaker KA Frame	655.85	49.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*63.96*	
26 24 13 00-0226	EA	125 To 400 Amp, 480 Volt, 3 Phase, Feed Section Circuit Breaker LA Frame	1,082.73	106.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.06*	
26 24 13 00-0227	EA	100 Amp, Switchboard Feed Section Branch Circuit Breaker, 240 Volt HIC 3 Phase	435.05	148.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.44*	
26 24 13 00-0228	EA	225 Amp, Switchboard Feed Section Branch Circuit Breaker, 240 Volt HIC 3 Phase	1,207.95	85.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*63.96*	

26 24 13 00-0229 Switchboard, Structure Per Section Copper 480 V *(26 24 13 00-0163)*

26 24 13 00-0230	EA	225 Amp Switchboard, Structure Per Section, Copper, 480 Volt	1,600.79	357.14
26 24 13 00-0231	EA	400 Amp Switchboard, Structure Per Section, Copper, 480 Volt	2,273.25	482.97
26 24 13 00-0232	EA	600 Amp Switchboard, Structure Per Section, Copper, 480 Volt	2,557.31	587.81
26 24 13 00-0233	EA	800 Amp Switchboard, Structure Per Section, Copper, 480 Volt	3,237.55	822.92
26 24 13 00-0234	EA	1,200 Amp Switchboard, Structure Per Section, Copper, 480 Volt	4,013.27	1,028.65
26 24 13 00-0235	EA	1,600 Amp Switchboard, Structure Per Section, Copper, 480 Volt	4,407.25	1,028.65
26 24 13 00-0236	EA	2,000 Amp Switchboard, Structure Per Section, Copper, 480 Volt	5,456.32	1,371.56
26 24 13 00-0237	EA	2,500 Amp Switchboard, Structure Per Section, Copper, 480 Volt	6,211.76	1,371.56
26 24 13 00-0238	EA	3,000 Amp Switchboard, Structure Per Section, Copper, 480 Volt	7,307.56	1,632.76
26 24 13 00-0239	EA	4,000 Amp Switchboard, Structure Per Section, Copper, 480 Volt	8,697.64	1,632.76

26 24 13 00-0240 Main Devices *(26 24 13)*

26 24 13 00-0241 Power Circuit Breakers *(26 24 13 00-0240)*

26 24 13 00-0242 DSL Breaker With Current Limiters And Amptector *(26 24 13 00-0241)*

Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.

26 24 13 00-0243	EA	50 - 800 Amp DSL-206, Main Breaker With Current Limiter, Amptector Static Trip	5,559.53	864.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*517.34*	
26 24 13 00-0244	EA	50 - 1,600 Amp DSL-416, Main Breaker With Current Limiter, Amptector Static Trip	10,124.94	1,440.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*863.21*	
26 24 13 00-0245	EA	1,200 - 3,200 Amp DSL-632, Main Breaker With Current Limiter, Amptector Static Trip	22,679.76	2,419.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,438.67*	
26 24 13 00-0246	EA	4,000 Amp DSL-840, Main Breaker With Current Limiter, Amptector Static Trip	36,554.23	3,917.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2,392.22*	
26 24 13 00-0247	EA	Ground-Fault Trip All Power Breakers - Factory Installed	1,891.75	
26 24 13 00-0248	EA	Key Interlock All Power Breakers - Factory Installed	244.31	
26 24 13 00-0249	EA	Short Time Delay Selective Trip - Factory Installed	320.52	
26 24 13 00-0250	EA	Shunt Trip Manually Open Breakers - Factory Installed	230.86	

26 24 13 00-0251 DSL Breaker Electrical Operated And Amptector *(26 24 13 00-0241)*

Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.

26 24 13 00-0252	EA	50 - 800 Amp DSL-206, Main Breaker, Electrical Operated With Amptector Static Trip	6,499.07	905.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*545.70*	
26 24 13 00-0253	EA	50 - 1,600 Amp DSL-416, Main Breaker, Electrical Operated With Amptector Static Trip	12,047.09	1,522.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*908.97*	
26 24 13 00-0254	EA	1,200 - 3,200 Amp DSL-632, Main Breaker, Electrical Operated With Amptector Static Trip	25,453.79	2,509.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,512.73*	
26 24 13 00-0255	EA	4,000 Amp DSL-840, Main Breaker, Electrical Operated With Amptector Static Trip	39,358.50	4,114.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2,529.47*	

26 24 13 00-0256 DS Breakers With Amptector Static Trip, Manually Operated *(26 24 13 00-0241)*

Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted manually operated.

26 24 13 00-0257	EA	50 - 800 Amp DS-206, Main Breaker With Groundfault, Amptector Static Trip	4,440.34	790.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*474.77*	
26 24 13 00-0258	EA	50 - 1,600 Amp DS-416, Main Breaker With Groundfault, Amptector Static Trip	8,105.48	1,324.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*791.27*	
26 24 13 00-0259	EA	2,000 Amp DS-420, Main Breaker With Groundfault, Amptector Static Trip	12,049.23	2,221.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,318.79*	
26 24 13 00-0260	EA	1,200 - 3,200 AMP DS-632, Main Breaker With Groundfault, Amptector Static Trip	20,775.41	3,579.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2,196.41*	
26 24 13 00-0261	EA	4,000 Amp DS-840, Main Breaker With Groundfault, Amptector Static Trip	33,827.63	5,842.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3,652.02*	

26 24 13 00-0262 DS Breakers With Amptector Static Trip, Electrically Operated *(26 24 13 00-0241)*

Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted electrical operated.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0263	EA	50 - 800 Amp DS-206, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	5,212.19	757.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*452.82*	
26 24 13 00-0264	EA	50 - 1,600 Amp DS-416, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	9,705.47	1,267.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*754.51*	
26 24 13 00-0265	EA	2,000 Amp DS-420, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	13,865.77	2,106.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,259.57*	
26 24 13 00-0266	EA	1,200 - 3,200 Amp DS-632, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	22,889.20	3,431.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2,099.29*	
26 24 13 00-0267	EA	4,000 Amp DS-840, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	35,848.24	5,883.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3,506.77*	

26 24 13 00-0268 Molded Case Circuit Breakers Conventional *(26 24 13 00-0241)*

26 24 13 00-0269	EA	70 - 225 Amp 3 Pole Molded Case Circuit Breaker Conventional	1,933.59	691.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*398.19*	
26 24 13 00-0270	EA	125 - 400 Amp 3 Pole Molded Case Circuit Breaker Conventional	2,791.93	691.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*433.12*	
26 24 13 00-0271	EA	300 - 600 Amp 3 Pole Molded Case Circuit Breaker Conventional	3,095.50	822.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*474.77*	
26 24 13 00-0272	EA	400 - 800 Amp 3 Pole Molded Case Circuit Breaker Conventional	3,667.81	822.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*514.33*	
26 24 13 00-0273	EA	600 - 1,200 Amp 3 Pole Molded Case Circuit Breaker Conventional	5,395.58	987.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*563.64*	
26 24 13 00-0274	EA	1,000 - 2,000 Amp 3 Pole Molded Case Circuit Breaker Conventional	8,651.01	987.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*623.42*	
26 24 13 00-0275	EA	Shunt Trip, Factory Installed	242.07	
26 24 13 00-0276	EA	Groundfault Trip Complete Interrupting Circuit, Factory Installed	56.04	

26 24 13 00-0277 Switchboard Branch Breaker 480 V *(26 24 13 00-0240)*

26 24 13 00-0278	EA	60 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker	391.52	59.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.78*	
26 24 13 00-0279	EA	100 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker	463.04	79.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.48*	
26 24 13 00-0280	EA	225 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker	1,323.69	119.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.52*	
26 24 13 00-0281	EA	400 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker	1,748.57	149.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.71*	
26 24 13 00-0282	EA	600 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker	2,119.11	200.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*120.31*	
26 24 13 00-0283	EA	800 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker	2,561.35	257.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*154.30*	
26 24 13 00-0284	EA	1,000 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker	4,116.77	391.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*235.12*	
26 24 13 00-0285	EA	1,200 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker	4,116.77	391.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*235.12*	
26 24 13 00-0286	EA	1,600 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker	5,773.87	548.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*329.17*	
26 24 13 00-0287	EA	2,000 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker	7,223.80	822.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*493.75*	

26 24 13 00-0288 Switchboard 277/480 V Main Breaker *(26 24 13 00-0240)*

26 24 13 00-0289	EA	400 Amp, Switchboard 277/480 Volt Main Breaker	4,663.42	357.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*214.30*	
26 24 13 00-0290	EA	600 Amp, Switchboard 277/480 Volt Main Breaker	4,731.32	391.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*234.67*	
26 24 13 00-0291	EA	800 Amp, Switchboard 277/480 Volt Main Breaker	5,124.68	587.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*352.68*	
26 24 13 00-0292	EA	1,200 Amp, Switchboard 277/480 Volt Main Breaker	8,740.25	822.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*493.75*	
26 24 13 00-0293	EA	1,600 Amp, Switchboard 277/480 Volt Main Breaker	8,915.03	910.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*546.19*	
26 24 13 00-0294	EA	2,000 Amp, Switchboard 277/480 Volt Main Breaker	11,829.03	1,632.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*979.67*	

26 24 13 00-0295 Branch Or Distribution Devices *(26 24 13)*

26 24 13 00-0296 3 Pole, Panel Mounted, Molded Case Circuit Breakers *(26 24 13 00-0295)*

Note: Includes certified refurbished circuit breakers.

26 24 13 00-0297	EA	15 - 60 Amp, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	339.13	29.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.75*	
26 24 13 00-0298	EA	70 - 100 Amp, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	346.03	37.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.69*	
26 24 13 00-0299	EA	125 - 150 Amp, 600 Volt, Type FB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	810.46	44.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.63*	
26 24 13 00-0300	EA	70 - 225 Amp, 600 Volt, Type JDB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	1,171.75	57.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.27*	
26 24 13 00-0301	EA	125 - 400 Amp, 600 Volt, Type LBB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	1,647.13	71.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.40*	
26 24 13 00-0302	EA	300 - 600 Amp, 600 Volt, Type LC, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	2,152.47	83.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.55*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0303	EA	900 - 1,000 Amp, 600 Volt, Type NB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	3,269.37	93.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*62.71*	
26 24 13 00-0304		2 Pole, Panel Mounted, Molded Case Circuit Breakers *(26 24 13 00-0295)*		
		Note: Includes certified refurbished circuit breakers.		
26 24 13 00-0305	EA	15 - 60 Amp, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	234.56	22.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.81*	
26 24 13 00-0306	EA	70 - 100 Amp, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	301.92	29.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.75*	
26 24 13 00-0307	EA	125 - 150 Amp, 600 Volt, Type FB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	804.00	37.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.69*	
26 24 13 00-0308	EA	70 - 225 Amp, 600 Volt, Type JDB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	1,264.93	41.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.16*	
26 24 13 00-0309	EA	125 - 400 Amp, 600 Volt, Type LBB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	1,341.98	53.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.80*	
26 24 13 00-0310	EA	900 - 1,000 Amp, 600 Volt, Type NB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	3,019.64	77.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.84*	
26 24 13 00-0311		Meter Devices And Instrumentation *(26 24 13)*		
		Note: Factory installed accessories.		
26 24 13 00-0312		Instrument Transformers And Metering Compartments *(26 24 13 00-0311)*		
26 24 13 00-0313	EA	800 Amp And Below Primary Current Transformer, With Compartment	292.50	
26 24 13 00-0314	EA	1,000 - 1,500 Amp Primary Current Transformer, With Compartment	422.51	
26 24 13 00-0315	EA	2,000 - 6,000 Amp Primary Current Transformer, With Compartment	497.59	
26 24 13 00-0316	EA	Potential Transformer With 200 VA Max	358.63	
26 24 13 00-0317	EA	5 To 800 Amp, Three Current Transformers	1,239.78	
26 24 13 00-0318	EA	1,000 To 1,500 Amp, Three Current Transformers	2,201.88	
26 24 13 00-0319	EA	2,000 To 4,000 Amp, Three Current Transformers	2,865.17	
26 24 13 00-0320		Instruments *(26 24 13 00-0311)*		
26 24 13 00-0321	EA	AC Voltmeter	398.97	
26 24 13 00-0322	EA	AC Ammeter	398.97	
26 24 13 00-0323	EA	AC Wattmeter	1,065.79	
26 24 13 00-0324	EA	Variometer	1,203.64	
26 24 13 00-0325	EA	Power Factor Meter	961.56	
26 24 13 00-0326	EA	Frequency Meter	1,061.31	
26 24 13 00-0327	EA	AC Watt-hour Meter Indicating 1 Or 2 Element With Test Block And Plug Block	1,350.45	
26 24 13 00-0328	EA	AC Watt-hour Meter Recording 2 Element With Recording KW Demand Type R-2	2,259.34	
26 24 13 00-0329	EA	Weatherproof, Modify Meter	2,198.42	
26 24 13 00-0330	EA	Control Switch Resistor Type 130 V	52.13	
26 24 13 00-0331	EA	Metering Instrument Volt, Amp And Watt Hour	2,725.33	
26 24 16		**Panelboards** *(26 24)*		
26 24 16 00-0001		Branch Circuit Panelboard *(26 24 16)*		
		Note: Includes wiring connections, drilling hole (or removing knock-out on residential units), labeling and testing. All NEMA 3R panelboards include weatherproof hubs. Copper bussing.		
26 24 16 00-0002		Assembled Lighting And Power Panelboards *(26 24 16 00-0001)*		
		Note: Includes main lugs or breaker (as indicated). 20 Amp, 1 pole branch circuit breakers (the number of which is indicated). Panelboard box, trim and connection of main service cable from meter.		
26 24 16 00-0003		120/240 Volt, 3 Wire, 1 Phase, Main Lugs Assembled Panelboards *(26 24 16 00-0002)*		
26 24 16 00-0004	EA	100 Amp Rating, 8 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity	760.56	234.53
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0005	EA	100 Amp Rating, 10 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	876.14	234.53
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0006	EA	100 Amp Rating, 12 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	998.36	325.05
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0007	EA	100 Amp Rating, 14 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	1,115.00	325.05
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0008	EA	100 Amp Rating, 16 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	1,232.18	407.35
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0009	EA	100 Amp Rating, 18 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity	1,354.71	407.35
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0010	EA	100 Amp Rating, 20 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity	1,465.91	469.07
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0011	EA	225 Amp Rating, 22 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	1,755.98	600.73
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0012	EA	225 Amp Rating, 24 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	1,872.93	600.73
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0013	EA	225 Amp Rating, 26 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	2,306.10	687.14
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0014	EA	225 Amp Rating, 28 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	2,479.41	687.14
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0015	EA	225 Amp Rating, 30 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	2,586.82	773.54
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0016	EA	225 Amp Rating, 32 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	2,745.17	773.54
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0017	EA	225 Amp Rating, 34 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	2,850.15	855.84
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0018	EA	225 Amp Rating, 36 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	3,008.38	855.84
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0019	EA	225 Amp Rating, 38 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	3,184.95	946.36
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0020	EA	225 Amp Rating, 40 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity	3,245.49	946.36
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0021	EA	225 Amp Rating, 42 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity	3,457.19	946.36
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	

26 24 16 00-0022 120/240 Volt, 3 Wire, 1 Phase, Main Breaker Assembled Panelboards *(26 24 16 00-0002)*

26 24 16 00-0023	EA	50 Amp Rating, 8 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity	825.55	226.30
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0024	EA	50 Amp Rating, 10 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity	942.91	226.30
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0025	EA	100 Amp Rating, 12 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity	1,252.18	386.77
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0026	EA	100 Amp Rating, 14 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity	1,371.45	386.77
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0027	EA	100 Amp Rating, 16 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity	1,489.80	473.18
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0028	EA	100 Amp Rating, 18 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity	1,616.61	473.18
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0029	EA	100 Amp Rating, 20 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity	1,723.85	567.82
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0030	EA	225 Amp Rating, 22 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 30 Circuit Capacity	2,390.09	567.82
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0031	EA	225 Amp Rating, 24 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 30 Circuit Capacity	2,497.22	695.37
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0032	EA	225 Amp Rating, 26 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 30 Circuit Capacity	2,613.68	695.37
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0033	EA	225 Amp Rating, 28 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	2,741.34	781.77
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0034	EA	225 Amp Rating, 30 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	2,844.66	781.77
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0035	EA	225 Amp Rating, 32 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	2,954.88	855.84
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0036	EA	225 Amp Rating, 34 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	3,073.08	855.84
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0037	EA	225 Amp Rating, 36 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	3,200.55	1,012.19
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0038	EA	225 Amp Rating, 38 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	3,338.88	1,012.19
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0039	EA	225 Amp Rating, 40 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity	3,490.05	1,012.19
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 24 16 00-0040	EA	225 Amp Rating, 42 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity	3,583.30	1,069.80
			For Weathertight NEMA 3R Panelboards, Add	*348.00*	
	26 24 16 00-0041		120/208 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards *(26 24 16 00-0002)*		
	26 24 16 00-0042	EA	100 Amp Rating, 8 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity	1,028.60	267.45
			For Weathertight NEMA 3R Panelboards, Add	*348.00*	
	26 24 16 00-0043	EA	100 Amp Rating, 10 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	1,156.13	267.45
			For Weathertight NEMA 3R Panelboards, Add	*348.00*	
	26 24 16 00-0044	EA	100 Amp Rating, 12 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	1,300.54	357.97
			For Weathertight NEMA 3R Panelboards, Add	*348.00*	
	26 24 16 00-0045	EA	100 Amp Rating, 14 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	1,451.81	357.97
			For Weathertight NEMA 3R Panelboards, Add	*348.00*	
	26 24 16 00-0046	EA	100 Amp Rating, 16 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	1,587.70	440.26
			For Weathertight NEMA 3R Panelboards, Add	*348.00*	
	26 24 16 00-0047	EA	100 Amp Rating, 18 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity	1,733.02	440.26
			For Weathertight NEMA 3R Panelboards, Add	*348.00*	
	26 24 16 00-0048	EA	100 Amp Rating, 20 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity	1,869.68	522.56
			For Weathertight NEMA 3R Panelboards, Add	*348.00*	
	26 24 16 00-0049	EA	100 Amp Rating, 22 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	2,011.87	522.56
			For Weathertight NEMA 3R Panelboards, Add	*348.00*	
	26 24 16 00-0050	EA	100 Amp Rating, 24 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	2,143.05	613.08
			For Weathertight NEMA 3R Panelboards, Add	*348.00*	
	26 24 16 00-0051	EA	100 Amp Rating, 26 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	2,294.11	613.08
			For Weathertight NEMA 3R Panelboards, Add	*348.00*	
	26 24 16 00-0052	EA	100 Amp Rating, 28 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	2,448.89	707.72
			For Weathertight NEMA 3R Panelboards, Add	*348.00*	
	26 24 16 00-0053	EA	100 Amp Rating, 30 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	2,599.91	707.72
			For Weathertight NEMA 3R Panelboards, Add	*348.00*	
	26 24 16 00-0054	EA	225 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	2,904.36	855.84
			For Weathertight NEMA 3R Panelboards, Add	*348.00*	
	26 24 16 00-0055	EA	225 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	3,009.00	855.84
			For Weathertight NEMA 3R Panelboards, Add	*348.00*	
	26 24 16 00-0056	EA	225 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	3,184.68	950.47
			For Weathertight NEMA 3R Panelboards, Add	*348.00*	
	26 24 16 00-0057	EA	225 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	3,345.49	950.47
			For Weathertight NEMA 3R Panelboards, Add	*348.00*	
	26 24 16 00-0058	EA	225 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity	3,458.01	1,036.88
			For Weathertight NEMA 3R Panelboards, Add	*348.00*	
	26 24 16 00-0059	EA	225 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity	3,620.10	1,036.88
			For Weathertight NEMA 3R Panelboards, Add	*348.00*	
	26 24 16 00-0060	EA	400 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	3,502.80	920.02
			For Weathertight NEMA 3R Panelboards, Add	*348.00*	
	26 24 16 00-0061	EA	400 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	3,618.20	966.93
			For Weathertight NEMA 3R Panelboards, Add	*348.00*	
	26 24 16 00-0062	EA	400 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	3,802.04	1,018.37
			For Weathertight NEMA 3R Panelboards, Add	*348.00*	
	26 24 16 00-0063	EA	400 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	3,975.35	1,078.03
			For Weathertight NEMA 3R Panelboards, Add	*348.00*	
	26 24 16 00-0064	EA	400 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity	4,095.17	1,110.94
			For Weathertight NEMA 3R Panelboards, Add	*348.00*	
	26 24 16 00-0065	EA	400 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity	4,290.33	1,178.84
			For Weathertight NEMA 3R Panelboards, Add	*348.00*	
	26 24 16 00-0066		120/208 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards *(26 24 16 00-0002)*		
	26 24 16 00-0067	EA	50 Amp Rating, 8 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity	1,215.77	259.22
			For Weathertight NEMA 3R Panelboards, Add	*348.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0068	EA	50 Amp Rating, 10 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity	1,344.97	259.22
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0069	EA	50 Amp Rating, 12 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity	1,497.85	341.51
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0070	EA	50 Amp Rating, 14 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity	1,707.39	341.51
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0071	EA	100 Amp Rating 16 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity	2,026.62	514.33
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0072	EA	100 Amp Rating, 18 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity	2,159.17	514.33
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0073	EA	100 Amp Rating, 20 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity	2,303.15	600.73
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0074	EA	100 Amp Rating, 22 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	2,423.70	600.73
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0075	EA	100 Amp Rating, 24 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	2,584.97	695.37
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0076	EA	100 Amp Rating, 26 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	2,696.46	695.37
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0077	EA	100 Amp Rating, 28 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	2,874.04	781.77
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0078	EA	100 Amp Rating, 30 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	3,025.56	781.77
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0079	EA	225 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	3,961.08	905.21
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0080	EA	225 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	4,133.38	954.59
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0081	EA	225 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	4,204.97	954.59
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0082	EA	225 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	4,397.47	1,078.03
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0083	EA	225 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity	4,534.48	1,078.03
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0084	EA	225 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity	4,620.76	1,078.03
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0085	EA	400 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity	4,680.33	991.63
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0086	EA	400 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity	4,867.88	1,049.22
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0087	EA	400 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity	4,941.69	1,078.03
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0088	EA	400 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity	5,148.93	1,143.86
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0089	EA	400 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 54 Circuit Capacity	5,284.94	1,176.78
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0090	EA	400 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 54 Circuit Capacity	5,410.42	1,217.93
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	

26 24 16 00-0091 480 Volt, 3 Wire, 3 Phase, Main Lugs Assembled Panelboards *(26 24 16 00-0002)*

26 24 16 00-0092	EA	100 Amp Rating, 8 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity	1,155.43	263.33
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0093	EA	100 Amp Rating, 10 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	1,323.13	263.33
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0094	EA	100 Amp Rating, 12 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	1,483.77	362.09
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0095	EA	100 Amp Rating, 14 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	1,651.45	362.09
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0096	EA	100 Amp Rating, 16 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	1,807.61	452.61
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0097	EA	100 Amp Rating, 18 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity	1,972.34	452.61
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0098	EA	100 Amp Rating, 20 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity	2,144.39	547.24
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0099	EA	100 Amp Rating, 22 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	2,301.79	547.24
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0100	EA	100 Amp Rating, 24 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	2,475.17	650.11
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0101	EA	100 Amp Rating, 26 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	2,642.44	650.11
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0102	EA	100 Amp Rating, 28 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	2,795.96	740.63
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0103	EA	100 Amp Rating,30 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	2,960.68	740.63
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0104	EA	225 Amp Rating, 32 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	3,314.36	901.10
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0105	EA	225 Amp Rating, 34 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	3,478.89	901.10
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0106	EA	225 Amp Rating, 36 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	3,654.28	987.51
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0107	EA	225 Amp Rating, 38 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	3,781.39	987.51
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0108	EA	225 Amp Rating, 40 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity	3,976.93	1,090.37
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0109	EA	225 Amp Rating, 42 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity	4,115.54	1,090.37
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	

26 24 16 00-0110 480 Volt, 3 Wire, 3 Phase, Main Breaker Assembled Panelboards *(26 24 16 00-0002)*

26 24 16 00-0111	EA	50 Amp Rating, 8 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity	1,466.99	279.79
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0112	EA	50 Amp Rating, 10 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity	1,630.77	304.48
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0113	EA	50 Amp Rating, 12 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity	1,796.43	378.54
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0114	EA	100 Amp Rating, 14 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity	2,376.17	460.84
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0115	EA	100 Amp Rating, 16 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity	2,545.27	510.21
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0116	EA	100 Amp Rating, 18 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity	2,699.92	551.36
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0117	EA	100 Amp Rating, 20 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity	2,869.78	600.73
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0118	EA	100 Amp Rating, 22 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	3,033.45	650.11
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0119	EA	100 Amp Rating, 24 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	3,183.67	691.26
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0120	EA	100 Amp Rating, 26 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	3,344.43	732.40
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0121	EA	100 Amp Rating, 28 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	3,517.92	781.77
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0122	EA	100 Amp Rating, 30 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	3,707.01	843.49
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0123	EA	225 Amp Rating, 32 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	4,687.50	938.13
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0124	EA	225 Amp Rating, 34 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	4,869.04	995.73
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0125	EA	225 Amp Rating, 36 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	4,999.62	1,020.42
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0126	EA	225 Amp Rating, 38 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	5,203.18	1,086.26
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0127	EA	225 Amp Rating, 40 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity	5,346.39	1,127.40
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0128	EA	225 Amp Rating, 42 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity	5,494.70	1,162.79
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0129		**277/480 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards** *(26 24 16 00-0002)*		
26 24 16 00-0130	EA	100 Amp Rating , 8 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity	1,663.20	288.02
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0131	EA	100 Amp Rating, 10 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	1,947.82	288.02
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0132	EA	100 Amp Rating, 12 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	2,227.44	382.66
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0133	EA	100 Amp Rating, 14 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	2,508.59	382.66
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0134	EA	100 Amp Rating, 16 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	2,792.83	473.18
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0135	EA	100 Amp Rating, 18 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity	3,073.09	473.18
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0136	EA	100 Amp Rating, 20 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity	3,356.45	567.82
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0137	EA	100 Amp Rating, 22 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	3,638.99	567.82
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0138	EA	100 Amp Rating, 24 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	3,939.25	666.56
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0139	EA	100 Amp Rating, 26 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	4,205.59	666.56
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0140	EA	100 Amp Rating, 28 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	4,481.84	670.68
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0141	EA	100 Amp Rating, 30 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	4,770.03	670.68
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0142	EA	225 Amp Rating, 32 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	5,259.73	929.91
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0143	EA	225 Amp Rating, 34 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	5,548.69	929.91
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0144	EA	225 Amp Rating, 36 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	5,791.83	979.28
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0145	EA	225 Amp Rating, 38 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	6,099.28	1,045.12
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0146	EA	225 Amp Rating, 40 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity	6,352.94	1,045.12
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0147	EA	225 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity	6,684.51	1,143.86
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0148		**277/480 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards** *(26 24 16 00-0002)*		
26 24 16 00-0149	EA	50 Amp Rating, 8 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity	2,025.53	353.86
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0150	EA	50 Amp Rating, 10 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity	2,314.72	353.86
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0151	EA	50 Amp Rating, 12 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity	2,596.47	469.07
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0152	EA	100 Amp Rating, 14 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity	3,118.20	469.07
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0153	EA	100 Amp Rating, 16 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity	3,407.58	592.51
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0154	EA	100 Amp Rating, 18 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity	3,696.67	592.51
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0155	EA	100 Amp Rating, 20 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity	3,979.56	678.91
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0156	EA	100 Amp Rating, 22 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	4,249.01	678.91
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0157	EA	100 Amp Rating, 24 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	4,529.00	773.54
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0158	EA	100 Amp Rating, 26 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	4,821.72	773.54
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0159	EA	100 Amp Rating, 28 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	5,088.23	855.84
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0160	EA	100 Amp Rating, 30 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	5,362.71	855.84
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0161	EA	225 Amp Rating, 32 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	7,114.50	1,012.19
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0162	EA	225 Amp Rating, 34 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	7,421.95	1,012.19
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0163	EA	225 Amp Rating, 36 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	7,675.61	1,106.83
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0164	EA	225 Amp Rating, 38 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	8,007.18	1,106.83
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0165	EA	225 Amp Rating, 40 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity	8,274.72	1,209.70
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0166	EA	225 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity	8,491.39	1,209.70
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0167	EA	400 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 54 Circuit Capacity	9,885.04	1,347.13
		For Weathertight NEMA 3R Panelboards, Add	*348.00*	
26 24 16 00-0168	EA	600 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >400 To 600 Amp Main Breaker, 54 Circuit Capacity	12,055.49	1,617.04

26 24 16 00-0169 Unassembled Lighting And Power Panelboards *(26 24 16 00-0001)*

Note: Listed panelboards include the main device (lugs or breaker), connection of main service cable from meter and that portion of the panel box, trim and interior occupied by that device. Spaces include that portion of the panel box, trim and interior reserved by that space. The maximum single pole capacity of the panelboard main device (lugs, breakers) is indicated. Excludes branch breakers. A complete panelboard will be the sum of main device and the branch circuit breakers and spaces (within the capacity of the main device).

26 24 16 00-0170 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0169)*

Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers.

26 24 16 00-0171 Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0170)*

26 24 16 00-0172	EA	100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	442.91	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0173	EA	100 Amp Rating, 20 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	510.16	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0174	EA	225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	697.02	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0175	EA	225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	805.00	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0176	EA	225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	911.38	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0177	EA	400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,020.33	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0178	EA	400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,108.16	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0179	EA	400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,214.02	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0180	EA	600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,328.95	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0181	EA	600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,416.74	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0182	EA	600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,548.72	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	

26 24 16 00-0183 Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0170)*

26 24 16 00-0184	EA	100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	659.57	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0185	EA	100 Amp Rating, 20 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	748.19	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0186	EA	225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,200.61	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0187	EA	225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,334.15	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0188	EA	225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,460.11	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0189	EA	400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,520.07	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0190	EA	400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,672.23	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0191	EA	400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,809.08	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	

26 24 16 00-0192 Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0170)*

26 24 16 00-0193	EA	100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	889.78	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0194	EA	100 Amp Rating, 20 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	951.93	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0195	EA	225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,128.15	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0196	EA	225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,234.00	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0197	EA	225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,332.30	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0198	EA	400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,523.80	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0199	EA	400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,606.11	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0200	EA	400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,706.85	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0201	EA	600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,860.95	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0202	EA	600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,945.55	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0203	EA	600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,069.60	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	

26 24 16 00-0204 Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0170)*

26 24 16 00-0205	EA	100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,101.33	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0206	EA	100 Amp Rating, 20 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,184.43	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0207	EA	225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,714.30	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0208	EA	225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,837.62	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0209	EA	225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,955.93	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0210	EA	400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	3,005.25	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0211	EA	400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	3,152.30	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0212	EA	400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	3,287.87	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	

26 24 16 00-0213 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0169)*

Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers

26 24 16 00-0214 Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0213)*

26 24 16 00-0215	EA	100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	499.64	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0216	EA	100 Amp Rating, 24 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	588.01	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0217	EA	100 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	662.70	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0218	EA	225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	751.94	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0219	EA	225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	865.79	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0220	EA	225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	959.21	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0221	EA	400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,106.29	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0222	EA	400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,192.61	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0223	EA	400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,288.17	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0224	EA	600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,424.29	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0225	EA	600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,571.01	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0226	EA	600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,855.75	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	

26 24 16 00-0227 Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0213)*

26 24 16 00-0228	EA	100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	772.93	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0229	EA	100 Amp Rating, 24 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	872.05	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0230	EA	100 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,003.87	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0231	EA	225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,483.82	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0232	EA	225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,607.26	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0233	EA	225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,723.75	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0234	EA	400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,380.74	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0235	EA	400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,522.67	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0236	EA	400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,640.21	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	

26 24 16 00-0237 Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0213)*

26 24 16 00-0238	EA	100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	946.52	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0239	EA	100 Amp Rating, 24 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,029.77	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0240	EA	100 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,098.93	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0241	EA	225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,183.06	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0242	EA	225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,294.79	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0243	EA	225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,380.12	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0244	EA	400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,609.76	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0245	EA	400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,690.56	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0246	EA	400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,781.00	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0247	EA	600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,956.28	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0248	EA	600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,093.21	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0249	EA	600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,377.95	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	

26 24 16 00-0250 Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0213)*

26 24 16 00-0251	EA	100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,214.69	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0252	EA	100 Amp Rating, 24 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,308.28	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0253	EA	100 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,437.12	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0254	EA	225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,997.52	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0255	EA	225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,110.74	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0256	EA	225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,219.57	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0257	EA	400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	3,312.11	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0258	EA	400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	3,458.47	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0259	EA	400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	3,583.50	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0260		480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0169)* Note: As manufactured by Square D or equal.		
26 24 16 00-0261		Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0260)*		
26 24 16 00-0262	EA	125 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	713.31	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0263	EA	125 Amp Rating, 18 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	783.81	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0264	EA	250 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,083.87	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0265	EA	250 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,209.29	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0266	EA	250 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,317.85	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0267	EA	400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,317.72	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0268	EA	400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,389.66	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0269	EA	400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,510.25	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0270	EA	600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,604.68	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0271	EA	600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,720.16	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0272	EA	600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,879.16	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0273		Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0260)*		
26 24 16 00-0274	EA	100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,456.71	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0275	EA	100 Amp Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,502.65	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0276	EA	125 Amp Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,631.72	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0277	EA	125 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,720.48	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0278	EA	125 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,899.36	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0279	EA	250 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,468.00	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0280	EA	250 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,578.29	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0281	EA	250 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,720.96	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0282	EA	400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,813.58	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0283	EA	400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,964.97	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0284	EA	400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,101.56	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0285		Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0260)*		
26 24 16 00-0286	EA	125 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,144.87	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0287	EA	125 Amp Rating, 18 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,215.36	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0288	EA	250 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,505.21	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0289	EA	250 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,704.68	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0290	EA	250 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,804.73	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0291	EA	400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,804.60	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0292	EA	400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,863.77	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0293	EA	400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,966.06	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0294	EA	600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,103.05	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0295	EA	600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,208.12	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0296	EA	600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,344.75	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	

26 24 16 00-0297 Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0260)*

26 24 16 00-0298	EA	100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,980.19	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0299	EA	100 Amp Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,026.13	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0300	EA	125 Amp Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,056.89	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0301	EA	125 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,141.82	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0302	EA	125 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,394.75	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0303	EA	250 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,954.88	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0304	EA	250 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,052.40	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0305	EA	250 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,176.77	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0306	EA	400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,269.39	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0307	EA	400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,409.10	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0308	EA	400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,543.92	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	

26 24 16 00-0309 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0169)*

Note: As manufactured by Square D or equal.

26 24 16 00-0310 Main Lugs, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0309)*

26 24 16 00-0311	EA	125 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	742.25	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0312	EA	125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	813.18	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0313	EA	125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	941.46	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0314	EA	250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,126.46	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0315	EA	250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,252.81	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0316	EA	250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,360.55	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0317	EA	400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,373.99	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0318	EA	400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,459.46	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0319	EA	400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,579.13	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0320	EA	600 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,673.69	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0321	EA	600 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,789.76	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0322	EA	600 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,949.38	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	

26 24 16 00-0323 Main Breaker, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0309)*

26 24 16 00-0324	EA	100 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	1,605.67	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0325	EA	100 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	1,652.03	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0326	EA	100 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	1,790.52	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0327	EA	125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	1,836.48	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0328	EA	125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	1,925.60	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0329	EA	125 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	2,104.03	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0330	EA	250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	2,708.16	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0331	EA	250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	2,819.78	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0332	EA	250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	2,960.95	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0333	EA	400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	3,101.37	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0334	EA	400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	3,254.18	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0335	EA	400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	3,390.70	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	

26 24 16 00-0336 Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0309)*

26 24 16 00-0337	EA	125 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	1,173.81	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0338	EA	125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	1,244.73	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0339	EA	125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	1,366.63	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0340	EA	250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	1,547.80	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0341	EA	250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	1,748.20	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0342	EA	250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	1,847.43	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0343	EA	400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	1,862.14	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0344	EA	400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	1,933.57	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0345	EA	400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	2,034.94	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0346	EA	600 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	2,172.06	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0347	EA	600 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	2,277.49	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	
26 24 16 00-0348	EA	600 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	2,414.13	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add	*328.00*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0349		Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0309)*			
26 24 16 00-0350	EA	100 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled		2,027.00	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add		*328.00*	
26 24 16 00-0351	EA	100 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled		2,073.37	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add		*328.00*	
26 24 16 00-0352	EA	100 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled		2,285.91	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add		*328.00*	
26 24 16 00-0353	EA	125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled		2,261.65	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add		*328.00*	
26 24 16 00-0354	EA	125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled		2,346.94	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add		*328.00*	
26 24 16 00-0355	EA	125 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled		2,599.42	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add		*328.00*	
26 24 16 00-0356	EA	250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled		3,195.04	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add		*328.00*	
26 24 16 00-0357	EA	250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled		3,293.89	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add		*328.00*	
26 24 16 00-0358	EA	250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled		3,416.76	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add		*328.00*	
26 24 16 00-0359	EA	400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled		3,557.18	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add		*328.00*	
26 24 16 00-0360	EA	400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled		3,698.08	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add		*328.00*	
26 24 16 00-0361	EA	400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled		3,832.47	
		For Hinged Door-In-Door With Yale 5116 With Rosette, Add		*328.00*	
26 24 16 00-0362		600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards *(26 24 16 00-0169)*			
		Note: Square D I-Line or equal.			
26 24 16 00-0363		Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards *(26 24 16 00-0362)*			
26 24 16 00-0364	EA	400 Amp Rating, 27" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard		1,285.87	244.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*146.93*	
26 24 16 00-0365	EA	400 Amp Rating, 45" Breaker Mounted Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard		1,499.20	244.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*146.90*	
26 24 16 00-0366	EA	400 Amp Rating, 63" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard		1,659.85	244.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*146.90*	
26 24 16 00-0367	EA	600 Amp Rating, 27" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard		1,912.68	402.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*241.23*	
26 24 16 00-0368	EA	600 Amp Rating, 45" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard		2,037.02	402.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*241.23*	
26 24 16 00-0369	EA	600 Amp Rating, 63" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard		2,173.46	402.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*241.23*	
26 24 16 00-0370	EA	800 Amp Rating, 27" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard		2,363.95	534.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*320.66*	
26 24 16 00-0371	EA	800 Amp Rating, 45" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard		2,483.84	536.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*321.64*	
26 24 16 00-0372	EA	800 Amp Rating, 63" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard		2,532.30	534.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*320.66*	
26 24 16 00-0373	EA	800 Amp Rating, 99" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard		2,926.77	534.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*320.66*	
26 24 16 00-0374	EA	1,200 Amp Rating, 27" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard		3,831.40	804.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*482.46*	
26 24 16 00-0375	EA	1,200 Amp Rating, 45" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard		4,099.88	804.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*482.46*	
26 24 16 00-0376	EA	1,200 Amp Rating, 63" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard		4,319.40	804.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*482.46*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0377	EA	1,200 Amp Rating, 99" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	4,587.33	804.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*482.46*	

26 24 16 00-0378 Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards *(26 24 16 00-0362)*

26 24 16 00-0379	EA	225 Amp Rating, 36" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,449.90	250.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*150.04*	
26 24 16 00-0380	EA	400 Amp Rating, 27" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,209.18	283.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*170.19*	
26 24 16 00-0381	EA	400 Amp Rating, 45" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,364.33	283.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*170.19*	
26 24 16 00-0382	EA	400 Amp Rating, 81" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,820.96	283.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*170.19*	
26 24 16 00-0383	EA	600 Amp Rating, 36" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	4,998.41	464.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*278.98*	
26 24 16 00-0384	EA	600 Amp Rating, 72" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	5,255.05	466.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*279.72*	
26 24 16 00-0385	EA	600 Amp Rating, 72" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	5,466.05	464.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*278.98*	
26 24 16 00-0386	EA	800 Amp Rating, 36" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	6,325.09	621.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*372.97*	
26 24 16 00-0387	EA	800 Amp Rating, 72" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	6,628.23	619.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*371.65*	
26 24 16 00-0388	EA	800 Amp Rating, 72" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	6,930.82	619.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*371.65*	

26 24 16 00-0389 Branch Circuit Breakers *(26 24 16 00-0001)*

Note: For installation in existing and new panelboards. Use task modifier for installation in new panelboards.

26 24 16 00-0390 Branch Circuit Breakers 10,000 Amp Interrupting Capacity, Plug-On *(26 24 16 00-0389)*

Note: Includes connection of electrical wire.

26 24 16 00-0391	EA	1 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	40.62	14.81
		For Bolt-On, Add	*10.84*	
		For Installation In New Panelboard, Deduct	*-8.23*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.87*	
26 24 16 00-0392	EA	1 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	40.62	14.81
		For Bolt-On, Add	*10.84*	
		For Installation In New Panelboard, Deduct	*-8.23*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.87*	
26 24 16 00-0393	EA	1 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	58.94	18.51
		For Bolt-On, Add	*14.57*	
		For Installation In New Panelboard, Deduct	*-10.29*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.34*	
26 24 16 00-0394	EA	1 Pole GFI, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	87.91	18.10
		For Bolt-On, Add	*17.90*	
		For Installation In New Panelboard, Deduct	*-9.88*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.85*	
26 24 16 00-0395	EA	1 Pole GFI, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Protection Circuit Breaker, 10,000 Amp Interrupting Capacity	122.90	18.10
		For Bolt-On, Add	*22.28*	
		For Installation In New Panelboard, Deduct	*-9.88*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.85*	
26 24 16 00-0396	EA	1 Pole GFI, 120/240 Volt, 15-30 Amp, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amp Interrupting Capacity	142.86	18.10
		For Bolt-On, Add	*24.77*	
		For Installation In New Panelboard, Deduct	*-9.88*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.85*	
26 24 16 00-0397	EA	1 Pole GFI, 120/240 Volt, 15-20 Amp, "Arc Fault" Circuit Breaker, 10,000 Amp Interrupting Capacity	68.63	18.10
		For Bolt-On, Add	*15.49*	
		For Installation In New Panelboard, Deduct	*-9.88*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0398	EA	2 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	67.17	22.22
		For Bolt-On, Add	*17.04*	
		For Installation In New Panelboard, Deduct	*-12.34*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.81*	
26 24 16 00-0399	EA	2 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	67.17	22.22
		For Bolt-On, Add	*17.04*	
		For Installation In New Panelboard, Deduct	*-12.34*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.81*	
26 24 16 00-0400	EA	2 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	101.45	29.63
		For Bolt-On, Add	*24.20*	
		For Installation In New Panelboard, Deduct	*-16.46*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.75*	
26 24 16 00-0401	EA	2 Pole, 120/240 Volt, 110-125 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	168.36	37.03
		For Bolt-On, Add	*35.45*	
		For Installation In New Panelboard, Deduct	*-20.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.69*	
26 24 16 00-0402	EA	2 Pole, 120/240 Volt, 150 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	198.52	41.14
		For Bolt-On, Add	*40.66*	
		For Installation In New Panelboard, Deduct	*-22.63*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.16*	
26 24 16 00-0403	EA	2 Pole GFI, 120/240 Volt, 15-50 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	168.57	26.33
		For Bolt-On, Add	*31.44*	
		For Installation In New Panelboard, Deduct	*-14.81*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.78*	
26 24 16 00-0404	EA	2 Pole, GFI, 120/240 Volt, 15-50 Amp, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amp Interrupting Capacity	225.81	26.33
		For Bolt-On, Add	*38.60*	
		For Installation In New Panelboard, Deduct	*-14.81*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.78*	
26 24 16 00-0405	EA	3 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	128.15	29.63
		For Bolt-On, Add	*27.54*	
		For Installation In New Panelboard, Deduct	*-16.46*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.75*	
26 24 16 00-0406	EA	3 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	128.15	29.63
		For Bolt-On, Add	*27.54*	
		For Installation In New Panelboard, Deduct	*-16.46*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.75*	
26 24 16 00-0407	EA	3 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	168.02	37.03
		For Bolt-On, Add	*35.41*	
		For Installation In New Panelboard, Deduct	*-20.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.69*	
26 24 16 00-0408	EA	3 Pole, 120/240 Volt, 110-125 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	254.47	44.44
		For Bolt-On, Add	*49.09*	
		For Installation In New Panelboard, Deduct	*-24.69*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.63*	
26 24 16 00-0409	EA	3 Pole, 120/240 Volt, 150 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	324.79	51.85
		For Bolt-On, Add	*60.76*	
		For Installation In New Panelboard, Deduct	*-28.80*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.56*	

26 24 16 00-0410 Branch Circuit Breakers 14,000 Amp Interrupting Capacity, Plug-On *(26 24 16 00-0389)*

Note: Includes connection of electrical wire.

26 24 16 00-0411	EA	1 Pole, 277/480 Volt, 15-30 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	58.76	14.81
		For Bolt-On, Add	*13.10*	
		For Installation In New Panelboard, Deduct	*-8.23*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.87*	
26 24 16 00-0412	EA	1 Pole, 277/480 Volt, 35-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	58.76	14.81
		For Bolt-On, Add	*13.10*	
		For Installation In New Panelboard, Deduct	*-8.23*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.87*	
26 24 16 00-0413	EA	1 Pole, 277/480 Volt, 70-100 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	105.30	18.51
		For Bolt-On, Add	*20.36*	
		For Installation In New Panelboard, Deduct	*-10.29*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.34*	
26 24 16 00-0414	EA	1 Pole GFI, 277/480 Volt, 15-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	162.50	18.10
		For Bolt-On, Add	*27.23*	
		For Installation In New Panelboard, Deduct	*-9.88*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.85*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0415	EA	2 Pole, 277/480 Volt, 15-30 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	114.91	22.22
		For Bolt-On, Add	*23.00*	
		For Installation In New Panelboard, Deduct	*-12.34*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.81*	
26 24 16 00-0416	EA	2 Pole, 277/480 Volt, 35-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	114.91	22.22
		For Bolt-On, Add	*23.00*	
		For Installation In New Panelboard, Deduct	*-12.34*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.81*	
26 24 16 00-0417	EA	2 Pole, 277/480 Volt, 70-100 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	226.87	29.63
		For Bolt-On, Add	*39.88*	
		For Installation In New Panelboard, Deduct	*-16.46*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.75*	
26 24 16 00-0418	EA	2 Pole, 277/480 Volt, 110-125 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	309.21	37.03
		For Bolt-On, Add	*53.05*	
		For Installation In New Panelboard, Deduct	*-20.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.69*	
26 24 16 00-0419	EA	2 Pole, 277/480 Volt, 150 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	454.90	41.14
		For Bolt-On, Add	*72.70*	
		For Installation In New Panelboard, Deduct	*-22.63*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.16*	
26 24 16 00-0420	EA	3 Pole, 277/480 Volt, 15-30 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	183.54	29.63
		For Bolt-On, Add	*34.46*	
		For Installation In New Panelboard, Deduct	*-16.46*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.75*	
26 24 16 00-0421	EA	3 Pole, 277/480 Volt, 35-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	183.54	29.63
		For Bolt-On, Add	*34.46*	
		For Installation In New Panelboard, Deduct	*-16.46*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.75*	
26 24 16 00-0422	EA	3 Pole, 277/480 Volt, 70-100 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	274.77	37.03
		For Bolt-On, Add	*48.75*	
		For Installation In New Panelboard, Deduct	*-20.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.69*	
26 24 16 00-0423	EA	3 Pole, 277/480 Volt, 110-125 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	391.21	44.44
		For Bolt-On, Add	*66.18*	
		For Installation In New Panelboard, Deduct	*-24.69*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.63*	
26 24 16 00-0424	EA	3 Pole, 277/480 Volt, 150 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	606.44	51.85
		For Bolt-On, Add	*95.97*	
		For Installation In New Panelboard, Deduct	*-28.80*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.56*	
26 24 16 00-0425	EA	3 Pole, 277/480 Volt, 175 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	700.00	55.55
		For Bolt-On, Add	*109.10*	
		For Installation In New Panelboard, Deduct	*-30.86*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.03*	
26 24 16 00-0426	EA	3 Pole, 277/480 Volt, 200 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	752.05	59.25
		For Bolt-On, Add	*117.05*	
		For Installation In New Panelboard, Deduct	*-32.92*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.50*	
26 24 16 00-0427	EA	3 Pole, 277/480 Volt, 225 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	890.19	62.95
		For Bolt-On, Add	*135.76*	
		For Installation In New Panelboard, Deduct	*-34.98*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.97*	

26 24 16 00-0428 Branch Circuit Breakers 18,000 Amp Interrupting Capacity, Plug-On *(26 24 16 00-0389)*

Note: Includes connection of electrical wire.

26 24 16 00-0429	EA	1 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	70.68	14.81
		For Bolt-On, Add	*14.59*	
		For Installation In New Panelboard, Deduct	*-8.23*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.87*	
26 24 16 00-0430	EA	1 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	70.68	14.81
		For Bolt-On, Add	*14.59*	
		For Installation In New Panelboard, Deduct	*-8.23*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.87*	
26 24 16 00-0431	EA	1 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	117.07	18.51
		For Bolt-On, Add	*21.83*	
		For Installation In New Panelboard, Deduct	*-10.29*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0432	EA	2 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	145.97	22.22
		For Bolt-On, Add	*26.89*	
		For Installation In New Panelboard, Deduct	*-12.34*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.81*	
26 24 16 00-0433	EA	2 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	145.97	22.22
		For Bolt-On, Add	*26.89*	
		For Installation In New Panelboard, Deduct	*-12.34*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.81*	
26 24 16 00-0434	EA	2 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	256.65	29.63
		For Bolt-On, Add	*43.60*	
		For Installation In New Panelboard, Deduct	*-16.46*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.75*	
26 24 16 00-0435	EA	2 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	660.31	37.03
		For Bolt-On, Add	*96.94*	
		For Installation In New Panelboard, Deduct	*-20.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.69*	
26 24 16 00-0436	EA	3 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	234.79	29.63
		For Bolt-On, Add	*40.87*	
		For Installation In New Panelboard, Deduct	*-16.46*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.75*	
26 24 16 00-0437	EA	3 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	234.79	29.63
		For Bolt-On, Add	*40.87*	
		For Installation In New Panelboard, Deduct	*-16.46*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.75*	
26 24 16 00-0438	EA	3 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	312.07	37.03
		For Bolt-On, Add	*53.41*	
		For Installation In New Panelboard, Deduct	*-20.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.69*	
26 24 16 00-0439	EA	3 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	817.48	44.44
		For Bolt-On, Add	*119.47*	
		For Installation In New Panelboard, Deduct	*-24.69*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.63*	

26 24 16 00-0440 Branch Circuit Breakers 22,000 Amp Interrupting Capacity, Plug-On *(26 24 16 00-0389)*

Note: Includes connection of electrical wire.

26 24 16 00-0441	EA	1 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	80.79	14.81
		For Bolt-On, Add	*15.86*	
		For Installation In New Panelboard, Deduct	*-8.23*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.87*	
26 24 16 00-0442	EA	1 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	80.79	14.81
		For Bolt-On, Add	*15.86*	
		For Installation In New Panelboard, Deduct	*-8.23*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.87*	
26 24 16 00-0443	EA	1 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	95.17	18.51
		For Bolt-On, Add	*19.10*	
		For Installation In New Panelboard, Deduct	*-10.29*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.34*	
26 24 16 00-0444	EA	1 Pole GFI, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	161.14	18.10
		For Bolt-On, Add	*27.06*	
		For Installation In New Panelboard, Deduct	*-9.88*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.85*	
26 24 16 00-0445	EA	2 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	172.37	22.22
		For Bolt-On, Add	*30.19*	
		For Installation In New Panelboard, Deduct	*-12.34*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.81*	
26 24 16 00-0446	EA	2 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	172.37	22.22
		For Bolt-On, Add	*30.19*	
		For Installation In New Panelboard, Deduct	*-12.34*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.81*	
26 24 16 00-0447	EA	2 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	208.83	29.63
		For Bolt-On, Add	*37.63*	
		For Installation In New Panelboard, Deduct	*-16.46*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.75*	
26 24 16 00-0448	EA	2 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	301.50	37.03
		For Bolt-On, Add	*52.09*	
		For Installation In New Panelboard, Deduct	*-20.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0449	EA	2 Pole, 240 Volt, 150-225 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	390.55	41.14
		For Bolt-On, Add	*64.66*	
		For Installation In New Panelboard, Deduct	*-22.63*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.16*	
26 24 16 00-0450	EA	2 Pole, 240 Volt, 250 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	487.84	48.14
		For Bolt-On, Add	*79.70*	
		For Installation In New Panelboard, Deduct	*-26.75*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.09*	
26 24 16 00-0451	EA	2 Pole, 240 Volt, 300-400 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	526.04	55.55
		For Bolt-On, Add	*87.36*	
		For Installation In New Panelboard, Deduct	*-30.86*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.03*	
26 24 16 00-0452	EA	3 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	209.27	29.63
		For Bolt-On, Add	*37.68*	
		For Installation In New Panelboard, Deduct	*-16.46*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.75*	
26 24 16 00-0453	EA	3 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	209.27	29.63
		For Bolt-On, Add	*37.68*	
		For Installation In New Panelboard, Deduct	*-16.46*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.75*	
26 24 16 00-0454	EA	3 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	245.27	37.03
		For Bolt-On, Add	*45.06*	
		For Installation In New Panelboard, Deduct	*-20.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.69*	
26 24 16 00-0455	EA	3 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	373.74	44.44
		For Bolt-On, Add	*64.00*	
		For Installation In New Panelboard, Deduct	*-24.69*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.63*	
26 24 16 00-0456	EA	3 Pole, 240 Volt, 150-225 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	490.62	57.60
		For Bolt-On, Add	*83.65*	
		For Installation In New Panelboard, Deduct	*-31.89*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.27*	
26 24 16 00-0457	EA	3 Pole, 240 Volt, 250 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	606.51	66.66
		For Bolt-On, Add	*101.73*	
		For Installation In New Panelboard, Deduct	*-37.03*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.44*	
26 24 16 00-0458	EA	3 Pole, 240 Volt, 300-400 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	645.05	70.77
		For Bolt-On, Add	*107.99*	
		For Installation In New Panelboard, Deduct	*-39.09*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.91*	

26 24 16 00-0459 Branch Circuit Breakers 25,000 Amp Interrupting Capacity, Plug-On *(26 24 16 00-0389)*

Note: Includes connection of electrical wire.

26 24 16 00-0460	EA	2 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	178.96	22.22
		For Bolt-On, Add	*31.01*	
		For Installation In New Panelboard, Deduct	*-12.34*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.81*	
26 24 16 00-0461	EA	2 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	178.96	22.22
		For Bolt-On, Add	*31.01*	
		For Installation In New Panelboard, Deduct	*-12.34*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.81*	
26 24 16 00-0462	EA	2 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	272.58	29.63
		For Bolt-On, Add	*45.59*	
		For Installation In New Panelboard, Deduct	*-16.46*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.75*	
26 24 16 00-0463	EA	2 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	443.98	37.03
		For Bolt-On, Add	*69.90*	
		For Installation In New Panelboard, Deduct	*-20.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.69*	
26 24 16 00-0464	EA	2 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	692.83	46.08
		For Bolt-On, Add	*104.60*	
		For Installation In New Panelboard, Deduct	*-25.72*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.86*	
26 24 16 00-0465	EA	2 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	785.82	48.14
		For Bolt-On, Add	*116.95*	
		For Installation In New Panelboard, Deduct	*-26.75*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0466	EA	2 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	858.33	55.55
		For Bolt-On, Add	*128.89*	
		For Installation In New Panelboard, Deduct	*-30.86*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.03*	
26 24 16 00-0467	EA	3 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	257.46	29.63
		For Bolt-On, Add	*43.70*	
		For Installation In New Panelboard, Deduct	*-16.46*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.75*	
26 24 16 00-0468	EA	3 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	257.46	29.63
		For Bolt-On, Add	*43.70*	
		For Installation In New Panelboard, Deduct	*-16.46*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.75*	
26 24 16 00-0469	EA	3 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	324.34	37.03
		For Bolt-On, Add	*54.95*	
		For Installation In New Panelboard, Deduct	*-20.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.69*	
26 24 16 00-0470	EA	3 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	552.48	44.44
		For Bolt-On, Add	*86.34*	
		For Installation In New Panelboard, Deduct	*-24.69*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.63*	
26 24 16 00-0471	EA	3 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	808.30	57.60
		For Bolt-On, Add	*123.36*	
		For Installation In New Panelboard, Deduct	*-31.89*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.27*	
26 24 16 00-0472	EA	3 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	954.89	66.66
		For Bolt-On, Add	*145.28*	
		For Installation In New Panelboard, Deduct	*-37.03*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.44*	
26 24 16 00-0473	EA	3 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	1,033.30	70.77
		For Bolt-On, Add	*156.52*	
		For Installation In New Panelboard, Deduct	*-39.09*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.91*	

26 24 16 00-0474 Branch Circuit Breakers 30,000 Amp Interrupting Capacity, Plug-On *(26 24 16 00-0389)*

Note: Includes connection of electrical wire.

26 24 16 00-0475	EA	2 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	185.52	22.22
		For Bolt-On, Add	*31.83*	
		For Installation In New Panelboard, Deduct	*-12.34*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.81*	
26 24 16 00-0476	EA	2 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	185.52	22.22
		For Bolt-On, Add	*31.83*	
		For Installation In New Panelboard, Deduct	*-12.34*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.81*	
26 24 16 00-0477	EA	2 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	333.09	29.63
		For Bolt-On, Add	*53.16*	
		For Installation In New Panelboard, Deduct	*-16.46*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.75*	
26 24 16 00-0478	EA	2 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	611.76	37.03
		For Bolt-On, Add	*90.87*	
		For Installation In New Panelboard, Deduct	*-20.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.69*	
26 24 16 00-0479	EA	2 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	970.17	46.08
		For Bolt-On, Add	*139.27*	
		For Installation In New Panelboard, Deduct	*-25.72*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.86*	
26 24 16 00-0480	EA	2 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	1,104.79	48.14
		For Bolt-On, Add	*156.82*	
		For Installation In New Panelboard, Deduct	*-26.75*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.09*	
26 24 16 00-0481	EA	2 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	1,202.54	55.55
		For Bolt-On, Add	*171.92*	
		For Installation In New Panelboard, Deduct	*-30.86*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.03*	
26 24 16 00-0482	EA	3 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	302.84	29.63
		For Bolt-On, Add	*49.38*	
		For Installation In New Panelboard, Deduct	*-16.46*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0483	EA	3 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	302.84	29.63
		For Bolt-On, Add	*49.38*	
		For Installation In New Panelboard, Deduct	*-16.46*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.75*	
26 24 16 00-0484	EA	3 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	403.00	37.03
		For Bolt-On, Add	*64.78*	
		For Installation In New Panelboard, Deduct	*-20.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.69*	
26 24 16 00-0485	EA	3 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	744.19	44.44
		For Bolt-On, Add	*110.31*	
		For Installation In New Panelboard, Deduct	*-24.69*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.63*	
26 24 16 00-0486	EA	3 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	940.08	57.60
		For Bolt-On, Add	*139.83*	
		For Installation In New Panelboard, Deduct	*-31.89*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.27*	
26 24 16 00-0487	EA	3 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	1,502.54	66.66
		For Bolt-On, Add	*213.74*	
		For Installation In New Panelboard, Deduct	*-37.03*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.44*	
26 24 16 00-0488	EA	3 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	1,600.33	70.77
		For Bolt-On, Add	*227.40*	
		For Installation In New Panelboard, Deduct	*-39.09*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.91*	

26 24 16 00-0489 Branch Circuit Breakers 35,000 Amp Interrupting Capacity, Plug-On *(26 24 16 00-0389)*

Note: Includes connection of electrical wire.

26 24 16 00-0490	EA	1 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	97.31	14.81
		For Bolt-On, Add	*17.92*	
		For Installation In New Panelboard, Deduct	*-8.23*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.87*	
26 24 16 00-0491	EA	1 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	97.31	14.81
		For Bolt-On, Add	*17.92*	
		For Installation In New Panelboard, Deduct	*-8.23*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.87*	
26 24 16 00-0492	EA	1 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	169.14	18.51
		For Bolt-On, Add	*28.34*	
		For Installation In New Panelboard, Deduct	*-10.29*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.34*	
26 24 16 00-0493	EA	2 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	212.36	22.22
		For Bolt-On, Add	*35.18*	
		For Installation In New Panelboard, Deduct	*-12.34*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.81*	
26 24 16 00-0494	EA	2 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	212.36	22.22
		For Bolt-On, Add	*35.18*	
		For Installation In New Panelboard, Deduct	*-12.34*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.81*	
26 24 16 00-0495	EA	2 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	388.63	29.63
		For Bolt-On, Add	*60.10*	
		For Installation In New Panelboard, Deduct	*-16.46*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.75*	
26 24 16 00-0496	EA	2 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	722.70	37.03
		For Bolt-On, Add	*104.74*	
		For Installation In New Panelboard, Deduct	*-20.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.69*	
26 24 16 00-0497	EA	2 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	1,408.34	46.08
		For Bolt-On, Add	*194.04*	
		For Installation In New Panelboard, Deduct	*-25.72*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.86*	
26 24 16 00-0498	EA	3 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	351.27	29.63
		For Bolt-On, Add	*55.43*	
		For Installation In New Panelboard, Deduct	*-16.46*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.75*	
26 24 16 00-0499	EA	3 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	351.27	29.63
		For Bolt-On, Add	*55.43*	
		For Installation In New Panelboard, Deduct	*-16.46*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0500	EA	3 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	470.29	37.03
		For Bolt-On, Add	*73.19*	
		For Installation In New Panelboard, Deduct	*-20.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.69*	
26 24 16 00-0501	EA	3 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	890.42	44.44
		For Bolt-On, Add	*128.58*	
		For Installation In New Panelboard, Deduct	*-24.69*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.63*	
26 24 16 00-0502	EA	3 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	1,751.07	57.60
		For Bolt-On, Add	*241.21*	
		For Installation In New Panelboard, Deduct	*-31.89*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.27*	
26 24 16 00-0503		Branch Circuit Breakers 42,000 Amp Interrupting Capacity, Plug-On *(26 24 16 00-0389)*		
		Note: Includes connection of electrical wire.		
26 24 16 00-0504	EA	1 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	143.85	14.81
		For Bolt-On, Add	*23.74*	
		For Installation In New Panelboard, Deduct	*-8.23*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.87*	
26 24 16 00-0505	EA	1 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	143.85	14.81
		For Bolt-On, Add	*23.74*	
		For Installation In New Panelboard, Deduct	*-8.23*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.87*	
26 24 16 00-0506	EA	1 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	218.64	18.51
		For Bolt-On, Add	*34.53*	
		For Installation In New Panelboard, Deduct	*-10.29*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.34*	
26 24 16 00-0507	EA	2 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	266.20	22.22
		For Bolt-On, Add	*41.91*	
		For Installation In New Panelboard, Deduct	*-12.34*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.81*	
26 24 16 00-0508	EA	2 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	266.20	22.22
		For Bolt-On, Add	*41.91*	
		For Installation In New Panelboard, Deduct	*-12.34*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.81*	
26 24 16 00-0509	EA	2 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	504.54	29.63
		For Bolt-On, Add	*74.59*	
		For Installation In New Panelboard, Deduct	*-16.46*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.75*	
26 24 16 00-0510	EA	2 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	919.36	37.03
		For Bolt-On, Add	*129.32*	
		For Installation In New Panelboard, Deduct	*-20.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.69*	
26 24 16 00-0511	EA	2 Pole, 240 Volt, 150-225 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	1,840.27	41.14
		For Bolt-On, Add	*245.87*	
		For Installation In New Panelboard, Deduct	*-22.63*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.16*	
26 24 16 00-0512	EA	3 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	459.16	29.63
		For Bolt-On, Add	*68.92*	
		For Installation In New Panelboard, Deduct	*-16.46*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.75*	
26 24 16 00-0513	EA	3 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	459.16	29.63
		For Bolt-On, Add	*68.92*	
		For Installation In New Panelboard, Deduct	*-16.46*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.75*	
26 24 16 00-0514	EA	3 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	636.98	37.03
		For Bolt-On, Add	*94.03*	
		For Installation In New Panelboard, Deduct	*-20.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.69*	
26 24 16 00-0515	EA	3 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	1,036.65	44.44
		For Bolt-On, Add	*146.86*	
		For Installation In New Panelboard, Deduct	*-24.69*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.63*	
26 24 16 00-0516	EA	3 Pole, 240 Volt, 150-225 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	2,321.05	57.60
		For Bolt-On, Add	*312.45*	
		For Installation In New Panelboard, Deduct	*-31.89*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.27*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0517		Branch Circuit Breakers 65,000 Amp Interrupting Capacity, Plug-On *(26 24 16 00-0389)*		
		Note: Includes connection of electrical wire.		
26 24 16 00-0518	EA	1 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	63.52	14.81
		For Bolt-On, Add	*13.70*	
		For Installation In New Panelboard, Deduct	*-8.23*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.87*	
26 24 16 00-0519	EA	2 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	135.63	22.22
		For Bolt-On, Add	*25.59*	
		For Installation In New Panelboard, Deduct	*-12.34*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.81*	
26 24 16 00-0520	EA	3 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	216.11	29.63
		For Bolt-On, Add	*38.54*	
		For Installation In New Panelboard, Deduct	*-16.46*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.75*	
26 24 16 00-0521	EA	1 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	135.87	14.81
		For Bolt-On, Add	*22.74*	
		For Installation In New Panelboard, Deduct	*-8.23*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.87*	
26 24 16 00-0522	EA	1 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	135.87	14.81
		For Bolt-On, Add	*22.74*	
		For Installation In New Panelboard, Deduct	*-8.23*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.87*	
26 24 16 00-0523	EA	1 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	270.57	29.63
		For Bolt-On, Add	*45.34*	
		For Installation In New Panelboard, Deduct	*-16.46*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.75*	
26 24 16 00-0524	EA	2 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	310.55	22.22
		For Bolt-On, Add	*47.46*	
		For Installation In New Panelboard, Deduct	*-12.34*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.81*	
26 24 16 00-0525	EA	2 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	310.55	22.22
		For Bolt-On, Add	*47.46*	
		For Installation In New Panelboard, Deduct	*-12.34*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.81*	
26 24 16 00-0526	EA	2 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	604.49	29.63
		For Bolt-On, Add	*87.08*	
		For Installation In New Panelboard, Deduct	*-16.46*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.75*	
26 24 16 00-0527	EA	2 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	1,030.29	37.03
		For Bolt-On, Add	*143.19*	
		For Installation In New Panelboard, Deduct	*-20.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.69*	
26 24 16 00-0528	EA	2 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	2,279.33	46.08
		For Bolt-On, Add	*302.92*	
		For Installation In New Panelboard, Deduct	*-25.72*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.86*	
26 24 16 00-0529	EA	3 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	522.60	29.63
		For Bolt-On, Add	*76.85*	
		For Installation In New Panelboard, Deduct	*-16.46*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.75*	
26 24 16 00-0530	EA	3 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	522.60	29.63
		For Bolt-On, Add	*76.85*	
		For Installation In New Panelboard, Deduct	*-16.46*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.75*	
26 24 16 00-0531	EA	3 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	729.08	37.03
		For Bolt-On, Add	*105.54*	
		For Installation In New Panelboard, Deduct	*-20.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.69*	
26 24 16 00-0532	EA	3 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	1,117.33	44.44
		For Bolt-On, Add	*156.95*	
		For Installation In New Panelboard, Deduct	*-24.69*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.63*	
26 24 16 00-0533	EA	3 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	2,834.33	57.60
		For Bolt-On, Add	*376.61*	
		For Installation In New Panelboard, Deduct	*-31.89*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.27*	
26 24 16 00-0534		Residential Lighting And Power Panelboards *(26 24 16 00-0001)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0535		**Residential Type Unassembled Load Center** *(26 24 16 00-0534)* Note: Interior box and cover, includes ground bar kit.		
26 24 16 00-0536		**Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase** *(26 24 16 00-0535)*		
26 24 16 00-0537	EA	30 Amp, 2 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled	109.21	41.14
26 24 16 00-0538	EA	70 Amp, 4 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled	369.16	164.58
26 24 16 00-0539	EA	100 Amp, 8 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled	556.45	234.94
26 24 16 00-0540	EA	125 Amp, 24 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled	1,188.49	493.83
26 24 16 00-0541	EA	150 Amp, 30 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled	1,299.18	534.90
26 24 16 00-0542		**Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 V AC** *(26 24 16 00-0535)* Note: 3 Phase 4 wire 240/120 V AC Delta, 3 phase 3 wire 240 V AC Delta.		
26 24 16 00-0543	EA	60 Amp, 3 Circuit, Main Lug Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled	150.78	45.26
26 24 16 00-0544	EA	125 Amp, 3 Circuit, Main Lug Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled	266.44	49.37
26 24 16 00-0545		**Main Lug Load Center, 3 Wire 120/240 Volt, Single Phase, Rainproof** *(26 24 16 00-0535)*		
26 24 16 00-0546	EA	40 Amp, 2 Circuit, Main Lug Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled	153.24	45.26
26 24 16 00-0547	EA	70 Amp, 4 Circuit, Main Lug Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled	170.80	49.37
26 24 16 00-0548	EA	100 Amp, 8 Circuit, Main Lug Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled	605.77	234.94
26 24 16 00-0549	EA	150 Amp, 30 Circuit, Main Lug Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled	1,374.24	534.90
26 24 16 00-0550		**Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 V AC** *(26 24 16 00-0535)* Note: 3 Phase 4 wire 240/120 V AC Delta, 3 phase 3 wire 240 V AC Delta, Rainproof.		
26 24 16 00-0551	EA	60 A, 3 Circuit, Main Lug Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled	188.31	45.26
26 24 16 00-0552	EA	125 A, 20 Circuit, Main Lug Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled	1,325.84	493.83
26 24 16 00-0553		**Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase** *(26 24 16 00-0535)*		
26 24 16 00-0554	EA	125 Amp, 24 Circuit, Main Breaker Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled	1,422.23	493.83
26 24 16 00-0555	EA	150 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled	1,543.65	534.90
26 24 16 00-0556	EA	300 Amp, 42 Circuit, Main Breaker Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled	5,306.99	822.92
26 24 16 00-0557		**Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 V AC** *(26 24 16 00-0535)* Note: 3 Phase 4 wire 240/120 V AC Delta, 3 phase 3 wire 240 V Delta.		
26 24 16 00-0558	EA	125 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled	2,044.97	493.83
26 24 16 00-0559	EA	150 Amp, 40 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled	2,230.18	534.90
26 24 16 00-0560	EA	300 Amp, 42 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled	5,830.98	822.92
26 24 16 00-0561		**Main Breaker Load Center, 3 Wire 120/240 Volt, Single Phase, Rainproof** *(26 24 16 00-0535)*		
26 24 16 00-0562	EA	125 Amp, 24 Circuit, Main Breaker Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled	1,491.93	493.83
26 24 16 00-0563	EA	150 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled	1,662.66	534.90
26 24 16 00-0564		**Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 V AC** *(26 24 16 00-0535)* Note: 3 Phase 4 wire 240/120 V AC Delta, 3 phase 3 wire 240 V AC Delta, Rainproof.		
26 24 16 00-0565	EA	125 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled	2,160.56	493.83
26 24 16 00-0566	EA	155 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled	2,242.73	534.90
26 24 16 00-0567		**Residential Type Assembled Load Center** *(26 24 16 00-0534)*		
26 24 16 00-0568		**Main Lug Load Center, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase** *(26 24 16 00-0567)* Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0569	EA	100 Amp Main Lugs, Indoor 8 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	556.77	234.94
26 24 16 00-0570	EA	100 Amp Main Lugs, Indoor 12 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	676.50	274.45
26 24 16 00-0571	EA	100 Amp Main Lugs, Rainproof, 8 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	568.56	234.94
26 24 16 00-0572	EA	100 Amp Main Lugs, Rainproof, 12 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	679.72	274.45
26 24 16 00-0573	EA	200 Amp Main Lugs, Indoor, 8 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	982.52	365.78
26 24 16 00-0574	EA	200 Amp Main Lugs, Indoor, 20 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,160.06	439.03
26 24 16 00-0575	EA	200 Amp Main Lugs, Indoor, 24 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,327.11	506.51
26 24 16 00-0576	EA	200 Amp Main Lugs, Indoor, 30 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,461.19	548.32
26 24 16 00-0577	EA	200 Amp Main Lugs, Indoor, 42 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	2,187.30	822.92
26 24 16 00-0578	EA	200 Amp Main Lugs, Rainproof, 16 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,024.33	365.78
26 24 16 00-0579	EA	200 Amp Main Lugs, Rainproof, 20 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,199.73	439.03
26 24 16 00-0580	EA	200 Amp Main Lugs, Rainproof, 24 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,366.78	506.51

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0581	EA	200 Amp Main Lugs, Rainproof, 30 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,498.72	548.32
26 24 16 00-0582	EA	200 Amp Main Lugs, Rainproof, 42 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	2,310.61	822.92
26 24 16 00-0583	EA	400 Amp Main Lugs, Indoor, 42 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	2,681.11	914.35
26 24 16 00-0584	EA	400 Amp Main Lugs, Rainproof, 42 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	2,809.78	914.35
26 24 16 00-0585		Main Lug Load Center, 4 Wire, 20 Amp, 120/208 V *(26 24 16 00-0567)*		
		Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0586	EA	125 Amp Main Lugs, Indoor, 12 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	736.55	274.45
26 24 16 00-0587	EA	125 Amp Main Lugs, Indoor, 18 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,098.48	411.46
26 24 16 00-0588	EA	125 Amp Main Lugs, Rainproof, 12 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	771.93	274.45
26 24 16 00-0589	EA	125 Amp Main Lugs, Rainproof, 18 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,130.64	411.46
26 24 16 00-0590	EA	200 Amp Main Lugs, Indoor, 24 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,388.22	506.51
26 24 16 00-0591	EA	200 Amp Main Lugs, Indoor, 30 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,515.39	548.65
26 24 16 00-0592	EA	200 Amp Main Lugs, Indoor, 36 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,853.20	658.58
26 24 16 00-0593	EA	200 Amp Main Lugs, Indoor, 42 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	2,230.19	822.92
26 24 16 00-0594	EA	200 Amp Main Lugs, Rainproof, 24 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,425.75	506.51
26 24 16 00-0595	EA	200 Amp Main Lugs, Rainproof, 30 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,557.69	548.32
26 24 16 00-0596	EA	200 Amp Main Lugs, Rainproof, 36 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,997.11	658.09
26 24 16 00-0597	EA	200 Amp Main Lugs, Rainproof, 42 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	2,374.94	822.92
26 24 16 00-0598	EA	400 Amp Main Lugs, Indoor, 42 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	2,713.28	914.35
26 24 16 00-0599	EA	400 Amp Main Lugs, Rainproof, 42 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	2,841.94	914.35
26 24 16 00-0600		Main Breaker Load Center, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase *(26 24 16 00-0567)*		
		Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0601	EA	125 Amp Main Breaker, Indoor, 12 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	732.26	274.45
26 24 16 00-0602	EA	125 Amp Main Breaker, Indoor, 18 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,083.47	411.46
26 24 16 00-0603	EA	200 Amp Main Breaker, Indoor, 20 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,247.98	439.03
26 24 16 00-0604	EA	200 Amp Main Breaker, Indoor, 24 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,431.61	506.75
26 24 16 00-0605	EA	200 Amp Main Breaker, Indoor, 30 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,574.36	548.65
26 24 16 00-0606	EA	200 Amp Main Breaker, Indoor, 40 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	2,085.11	731.58
26 24 16 00-0607	EA	200 Amp Main Breaker, Rainproof, 20 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	1,258.70	439.03
26 24 16 00-0608	EA	200 Amp Main Breaker, Rainproof, 24 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	1,452.55	506.51
26 24 16 00-0609	EA	200 Amp Main Breaker, Rainproof, 30 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	1,579.13	548.32
26 24 16 00-0610	EA	200 Amp Main Breaker, Rainproof, 40 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	2,026.14	731.58
26 24 16 00-0611	EA	400 Amp Main Breaker, Indoor, 42 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	3,785.48	914.35
26 24 16 00-0612	EA	400 Amp Main Breaker, Rainproof, 42 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	3,999.93	914.35
26 24 16 00-0613		Main Breaker Load Center, 4 Wire, 20 Amp, 120/208 V *(26 24 16 00-0567)*		
		Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0614	EA	200 Amp Main Breaker, Indoor, 30 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,874.58	548.65
26 24 16 00-0615	EA	200 Amp Main Breaker, Indoor, 42 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	2,573.30	822.92
26 24 16 00-0616	EA	200 Amp Main Breaker, Rainproof, 30 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,938.32	548.32
26 24 16 00-0617	EA	200 Amp Main Breaker, Rainproof, 42 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	2,637.63	822.92
26 24 16 00-0618		Panel Mounted Accessories And Fuseholders *(26 24 16 00-0001)*		
26 24 16 00-0619		Midget Finger-Safe Fuse Holders *(26 24 16 00-0618)*		
		Note: 30 Amp capacity. Excludes fuse.		
26 24 16 00-0620	EA	1 Pole Midget Finger-Safe Fuse Holder	47.55	14.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.87*	
26 24 16 00-0621	EA	1 Pole With Indicator Midget Finger-Safe Fuse Holder	54.48	14.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.87*	
26 24 16 00-0622	EA	2 Pole Midget Finger-Safe Fuse Holder	75.74	22.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.81*	
26 24 16 00-0623	EA	2 Pole With Indicators Midget Finger-Safe Fuse Holder	93.84	22.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.81*	
26 24 16 00-0624	EA	3 Pole Midget Finger-Safe Fuse Holder	109.55	29.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.75*	
26 24 16 00-0625	EA	3 Pole With Indicators Midget Finger-Safe Fuse Holder	133.59	29.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.75*	
26 24 16 00-0626	EA	3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder Note: With indicators.	153.70	29.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.75*	
26 24 16 00-0627	EA	3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder	127.04	29.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.75*	
26 24 16 00-0628	EA	4 Pole Midget Finger-Safe Fuse Holder	137.81	37.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.69*	
26 24 16 00-0629	EA	4 Pole With Indicator Midget Finger-Safe Fuse Holder	164.21	37.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.69*	
26 24 16 00-0630	EA	12 To 24 Volt DC Midget Finger-Safe Fuse Holder Note: With indicator.	54.51	14.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.87*	
26 24 16 00-0631	EA	20 To 24 Volt DC Midget Finger-Safe Fuse Holder Note: With indicator.	58.19	14.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.87*	
26 24 16 00-0632	EA	35 To 48 Volt DC Midget Finger-Safe Fuse Holder Note: With indicator.	55.19	14.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.87*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0633		Removal And Reinstallation Of Panelboards *(26 24 16 00-0001)* Note: Includes storage, cleaning and supply materials.		
26 24 16 00-0634	EA	Remove And Reinstall Panelboards With Breakers, Up To 42 Circuit Capacity Note: Includes removal and reinstallation of main wiring to panelboard.	1,032.97	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*308.60*	
26 24 16 00-0635	EA	Remove And Reinstall Breaker, 1-2-3 Pole, Any Amperage	54.73	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.05*	
26 24 16 00-0636	EA	Panelboard Filler Plate, Fits 1" Opening	3.82	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.77*	
26 24 19		**Motor-Control Centers** *(26 24)*		
26 24 19 00-0001		Combination Starters With Molded Case Circuit Breakers *(26 24 19)* Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" o 20" Deep), fully factory assembled and wired internally.		
26 24 19 00-0002		230 Volt Combination With Molded Case Circuit, Full Volt *(26 24 19 00-0001)* Note: 1-Speed non-reversing.		
26 24 19 00-0003	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination With Molded Case Circuit	1,908.27	75.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.14*	
26 24 19 00-0004	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination With Molded Case Circuit	2,263.31	78.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.40*	
26 24 19 00-0005	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination With Molded Case Circuit	3,379.57	82.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.65*	
26 24 19 00-0006	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit	6,143.83	97.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.68*	
26 24 19 00-0007	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit	12,401.62	112.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.71*	
26 24 19 00-0008	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit	20,877.90	150.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*90.28*	
26 24 19 00-0009		480 Volt Combination With Molded Case Circuit, Full Volt *(26 24 19 00-0001)* Note: 1-Speed non-reversing.		
26 24 19 00-0010	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination With Molded Case Circuit	1,908.27	75.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.14*	
26 24 19 00-0011	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination With Molded Case Circuit	2,263.31	78.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.40*	
26 24 19 00-0012	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit	3,379.57	82.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.65*	
26 24 19 00-0013	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit	6,143.83	97.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.68*	
26 24 19 00-0014	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit	12,401.62	112.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.71*	
26 24 19 00-0015	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination With Molded Case Circuit	20,877.90	150.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*90.28*	
26 24 19 00-0016		230 Volt Combination With Molded Case Circuit, Full Volt *(26 24 19 00-0001)* Note: 1-Speed reversing.		
26 24 19 00-0017	EA	230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination With Molded Case Circuit	2,776.14	75.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.14*	
26 24 19 00-0018	EA	230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination With Molded Case Circuit	3,706.69	78.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.40*	
26 24 19 00-0019	EA	230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination With Molded Case Circuit	5,323.08	82.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.65*	
26 24 19 00-0020	EA	230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit	9,328.47	97.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.68*	
26 24 19 00-0021	EA	230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit	18,386.61	112.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.71*	
26 24 19 00-0022	EA	230 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit	31,700.53	150.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*90.28*	
26 24 19 00-0023		480 Volt Combination With Molded Case Circuit, Full Volt *(26 24 19 00-0001)* Note: 1-Speed reversing.		
26 24 19 00-0024	EA	480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination With Molded Case Circuit	2,776.14	75.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.14*	
26 24 19 00-0025	EA	480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination With Molded Case Circuit	3,706.69	78.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.40*	
26 24 19 00-0026	EA	480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit	5,323.08	82.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.65*	
26 24 19 00-0027	EA	480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit	9,328.47	97.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.68*	
26 24 19 00-0028	EA	480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit	18,386.61	112.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.71*	
26 24 19 00-0029	EA	480 Volt, Full Volt, 1 Speed, Reversing, 400 HP Combination With Molded Case Circuit	31,700.53	150.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*90.28*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0030		**230 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)* Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0031	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit	3,368.37	120.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.22*	
26 24 19 00-0032	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit	4,644.78	127.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.74*	
26 24 19 00-0033	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit	6,855.24	135.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.25*	
26 24 19 00-0034	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	12,278.43	154.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.54*	
26 24 19 00-0035	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	20,364.42	180.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*108.34*	
26 24 19 00-0036		**480 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)* Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0037	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit	3,368.37	120.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.22*	
26 24 19 00-0038	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit	4,644.78	127.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.74*	
26 24 19 00-0039	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	6,855.24	135.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.25*	
26 24 19 00-0040	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	12,278.43	154.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.54*	
26 24 19 00-0041	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit	20,364.42	180.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*108.34*	
26 24 19 00-0042		**230 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)* Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0043	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit	3,910.63	75.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.14*	
26 24 19 00-0044	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit	5,830.40	78.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.40*	
26 24 19 00-0045	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit	7,989.21	82.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.65*	
26 24 19 00-0046	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	15,026.62	97.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.68*	
26 24 19 00-0047	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	26,052.18	112.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.71*	
26 24 19 00-0048		**480 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)* Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0049	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit	3,910.63	75.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.14*	
26 24 19 00-0050	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit	5,830.40	78.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.40*	
26 24 19 00-0051	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	7,989.21	82.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.65*	
26 24 19 00-0052	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	15,026.62	97.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.68*	
26 24 19 00-0053	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit	26,052.18	112.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.71*	
26 24 19 00-0054		**230 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)* Note: Reducing volt, auto-transformer.		
26 24 19 00-0055	EA	230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination With Molded Case Circuit	5,793.63	78.99
26 24 19 00-0056	EA	230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination With Molded Case Circuit	8,881.16	86.51
26 24 19 00-0057	EA	230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit	14,984.33	97.80
26 24 19 00-0058	EA	230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit	23,191.15	112.85
26 24 19 00-0059	EA	230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit	39,687.87	150.47
26 24 19 00-0060		**480 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)* Note: Reducing volt, auto-transformer.		
26 24 19 00-0061	EA	480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination With Molded Case Circuit	5,793.63	78.99
26 24 19 00-0062	EA	480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit	8,881.16	86.51
26 24 19 00-0063	EA	480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit	14,984.33	97.80
26 24 19 00-0064	EA	480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit	23,191.15	112.85
26 24 19 00-0065	EA	480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination With Molded Case Circuit	39,687.87	150.47
26 24 19 00-0066		**230 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)* Note: Reducing volt, part winding.		
26 24 19 00-0067	EA	230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination With Molded Case Circuit	3,936.53	120.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.22*	
26 24 19 00-0068	EA	230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination With Molded Case Circuit	5,090.25	139.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.51*	
26 24 19 00-0069	EA	230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination With Molded Case Circuit	8,977.95	154.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.54*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0070		EA	230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit	15,324.85	188.09
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.85*	
26 24 19 00-0071		EA	230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit	21,058.48	240.74
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*144.45*	

26 24 19 00-0072 480 Volt Combination With Molded Case Circuit *(26 24 19 00-0001)*

Note: Reducing volt, part winding.

26 24 19 00-0073		EA	480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination With Molded Case Circuit	3,936.53	120.37
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.22*	
26 24 19 00-0074		EA	480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination With Molded Case Circuit	5,090.25	139.18
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.51*	
26 24 19 00-0075		EA	480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit	8,977.95	154.23
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.54*	
26 24 19 00-0076		EA	480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit	15,324.85	188.09
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.85*	
26 24 19 00-0077		EA	480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination With Molded Case Circuit	21,058.48	240.74
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*144.45*	

26 24 19 00-0078 230 Volt Combination With Molded Case Circuit *(26 24 19 00-0001)*

Note: Reducing volt, energy saver.

26 24 19 00-0079		EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7-1/2 HP Combination With Molded Case Circuit	16,387.26	97.80
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.68*	
26 24 19 00-0080		EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination With Molded Case Circuit	17,379.32	120.37
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.22*	
26 24 19 00-0081		EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination With Molded Case Circuit	19,189.45	139.18
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.51*	
26 24 19 00-0082		EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit	29,071.34	154.23
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.54*	
26 24 19 00-0083		EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit	39,654.62	188.09
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.85*	
26 24 19 00-0084		EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit	53,818.72	240.74
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*144.45*	

26 24 19 00-0085 480 Volt Combination With Molded Case Circuit *(26 24 19 00-0001)*

Note: Reducing volt, energy saver.

26 24 19 00-0086		EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination With Molded Case Circuit	16,387.26	97.80
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.68*	
26 24 19 00-0087		EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination With Molded Case Circuit	17,379.32	120.37
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.22*	
26 24 19 00-0088		EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit	19,189.45	139.18
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.51*	
26 24 19 00-0089		EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit	29,071.34	154.23
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.54*	
26 24 19 00-0090		EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit	39,654.62	188.09
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.85*	
26 24 19 00-0091		EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination With Molded Case Circuit	53,818.72	240.74
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*144.45*	

26 24 19 00-0092 Combination Starters With Current Limiting Circuit Breakers *(26 24 19)*

Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and wired internally.

26 24 19 00-0093 230 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Full volt, 1-speed non-reversing.

26 24 19 00-0094		EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit	2,561.01	75.23
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.14*	
26 24 19 00-0095		EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination Starters With Current Limiting Circuit	2,916.05	78.99
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.40*	
26 24 19 00-0096		EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination Starters With Current Limiting Circuit	4,521.41	82.75
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.65*	
26 24 19 00-0097		EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit	8,348.44	97.80
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.68*	
26 24 19 00-0098		EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit	14,964.77	112.85
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.71*	
26 24 19 00-0099		EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit	24,402.70	150.47
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*90.28*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0100		**480 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Full volt, 1-speed non-reversing.		
26 24 19 00-0101	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination Starters With Current Limiting Circuit	2,561.01	75.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.14*	
26 24 19 00-0102	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination Starters With Current Limiting Circuit	2,916.05	78.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.40*	
26 24 19 00-0103	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit	4,521.41	82.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.65*	
26 24 19 00-0104	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit	8,348.44	97.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.68*	
26 24 19 00-0105	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit	14,964.77	112.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.71*	
26 24 19 00-0106	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination Starters With Current Limiting Circuit	24,402.70	150.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*90.28*	
26 24 19 00-0107		**230 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Full volt, 1-speed reversing.		
26 24 19 00-0108	EA	230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit	3,423.37	75.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.14*	
26 24 19 00-0109	EA	230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination Starters With Current Limiting Circuit	4,346.56	78.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.40*	
26 24 19 00-0110	EA	230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination Starters With Current Limiting Circuit	6,439.18	82.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.65*	
26 24 19 00-0111	EA	230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit	11,503.66	97.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.68*	
26 24 19 00-0112	EA	230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit	20,898.28	112.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.71*	
26 24 19 00-0113		**480 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Full volt, 1-speed reversing.		
26 24 19 00-0114	EA	480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination Starters With Current Limiting Circuit	3,423.37	75.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.14*	
26 24 19 00-0115	EA	480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination Starters With Current Limiting Circuit	4,346.56	78.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.40*	
26 24 19 00-0116	EA	480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit	6,439.18	82.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.65*	
26 24 19 00-0117	EA	480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit	11,503.66	97.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.68*	
26 24 19 00-0118	EA	480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination Starters With Current Limiting Circuit	20,898.28	112.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.71*	
26 24 19 00-0119		**230 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0120	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit	4,004.56	120.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.22*	
26 24 19 00-0121	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit	5,271.78	127.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.74*	
26 24 19 00-0122	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit	7,952.95	135.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.25*	
26 24 19 00-0123	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	14,427.88	154.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.54*	
26 24 19 00-0124	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	22,855.87	180.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*108.34*	
26 24 19 00-0125		**480 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0126	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit	4,004.56	120.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.22*	
26 24 19 00-0127	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit	5,271.78	127.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.74*	
26 24 19 00-0128	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	7,952.95	135.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.25*	
26 24 19 00-0129	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	14,427.88	154.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.54*	
26 24 19 00-0130	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit	22,855.87	180.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*108.34*	
26 24 19 00-0131		**230 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Full volt, 2-speed non-reversing, 1 wind.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0132	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit	4,622.05	112.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.71*	
26 24 19 00-0133	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit	6,529.11	120.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.22*	
26 24 19 00-0134	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit	9,171.68	127.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.74*	
26 24 19 00-0135	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	17,248.12	146.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.02*	
26 24 19 00-0136	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	28,614.37	173.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*103.83*	

26 24 19 00-0137 480 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Full volt, 2-speed non-reversing, 1 wind.

26 24 19 00-0138	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit	4,622.05	112.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.71*	
26 24 19 00-0139	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit	6,529.11	120.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.22*	
26 24 19 00-0140	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	9,171.68	127.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.74*	
26 24 19 00-0141	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	17,248.12	146.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.02*	
26 24 19 00-0142	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit	28,614.37	173.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*103.83*	

26 24 19 00-0143 230 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Reduced volt, auto-transformer.

26 24 19 00-0144	EA	230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination Starters With Current Limiting Circuit	6,411.43	78.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.40*	
26 24 19 00-0145	EA	230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination Starters With Current Limiting Circuit	10,337.41	86.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.91*	
26 24 19 00-0146	EA	230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit	17,486.81	97.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.68*	
26 24 19 00-0147	EA	230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit	26,502.66	112.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.71*	
26 24 19 00-0148	EA	230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit	43,617.19	150.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*90.28*	

26 24 19 00-0149 480 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Reduced volt, auto-transformer.

26 24 19 00-0150	EA	480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination Starters With Current Limiting Circuit	6,411.43	78.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.40*	
26 24 19 00-0151	EA	480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit	10,337.41	86.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.91*	
26 24 19 00-0152	EA	480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit	17,486.81	97.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.68*	
26 24 19 00-0153	EA	480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit	26,502.66	112.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.71*	
26 24 19 00-0154	EA	480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination Starters With Current Limiting Circuit	43,617.19	150.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*90.28*	

26 24 19 00-0155 230 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Reduced volt, part winding.

26 24 19 00-0156	EA	230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination Starters With Current Limiting Circuit	4,572.72	120.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.22*	
26 24 19 00-0157	EA	230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination Starters With Current Limiting Circuit	5,713.57	139.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.51*	
26 24 19 00-0158	EA	230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination Starters With Current Limiting Circuit	10,068.31	154.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.54*	
26 24 19 00-0159	EA	230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit	17,858.59	188.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.85*	
26 24 19 00-0160	EA	230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit	26,357.63	240.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*144.45*	

26 24 19 00-0161 480 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Reduced volt, part winding.

26 24 19 00-0162	EA	480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination Starters With Current Limiting Circuit	4,572.72	120.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.22*	
26 24 19 00-0163	EA	480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination Starters With Current Limiting Circuit	5,713.57	139.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.51*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0164	EA	480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit	10,068.31	154.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.54*	
26 24 19 00-0165	EA	480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit	17,858.59	188.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.85*	
26 24 19 00-0166	EA	480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination Starters With Current Limiting Circuit	26,357.63	240.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*144.45*	

26 24 19 00-0167 230 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Reduced volt, energy saving

26 24 19 00-0168	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7.5 HP Combination Starters With Current Limiting Circuit	16,914.97	97.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.68*	
26 24 19 00-0169	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination Starters With Current Limiting Circuit	17,901.51	120.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.22*	
26 24 19 00-0170	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination Starters With Current Limiting Circuit	19,693.26	139.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.51*	
26 24 19 00-0171	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit	29,488.73	154.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.54*	
26 24 19 00-0172	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit	39,978.23	188.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.85*	
26 24 19 00-0173	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit	56,038.04	240.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*144.45*	

26 24 19 00-0174 480 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Reduced volt, energy saving

26 24 19 00-0175	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination Starters With Current Limiting Circuit	16,915.00	97.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.69*	
26 24 19 00-0176	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination Starters With Current Limiting Circuit	17,901.51	120.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.22*	
26 24 19 00-0177	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit	19,693.26	139.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.51*	
26 24 19 00-0178	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit	29,488.73	154.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.54*	
26 24 19 00-0179	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit	39,978.23	188.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.85*	
26 24 19 00-0180	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination Starters With Current Limiting Circuit	56,038.04	240.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*144.45*	

26 24 19 00-0181 Combination Starters With Fusible Switch *(26 24 19)*

Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and Wired Internally.

26 24 19 00-0182 230 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)*

Note: 1-Speed non-reversing.

26 24 19 00-0183	EA	7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	1,694.98	75.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.14*	
26 24 19 00-0184	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	2,346.05	78.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.40*	
26 24 19 00-0185	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	3,971.63	82.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.65*	
26 24 19 00-0186	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	7,020.89	97.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.68*	
26 24 19 00-0187	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	11,412.39	112.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.71*	
26 24 19 00-0188	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	20,372.26	150.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*90.28*	

26 24 19 00-0189 480 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)*

Note: 1-Speed non-reversing.

26 24 19 00-0190	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	1,694.98	75.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.14*	
26 24 19 00-0191	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	2,346.05	78.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.40*	
26 24 19 00-0192	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	3,971.63	82.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.65*	
26 24 19 00-0193	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	7,020.89	97.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.68*	
26 24 19 00-0194	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	11,412.39	112.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0195	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	20,372.26	150.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*90.28*	
26 24 19 00-0196		**230 Volt Combination Starters With Fusible Switch, Full Volt** *(26 24 19 00-0181)*		
		Note: 1-Speed reversing.		
26 24 19 00-0197	EA	7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	2,752.24	75.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.14*	
26 24 19 00-0198	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	4,111.21	78.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.40*	
26 24 19 00-0199	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	6,591.79	82.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.65*	
26 24 19 00-0200	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	10,755.30	97.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.68*	
26 24 19 00-0201	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	16,558.93	112.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.71*	
26 24 19 00-0202	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	28,161.02	150.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*90.28*	
26 24 19 00-0203		**480 Volt Combination Starters With Fusible Switch, Full Volt** *(26 24 19 00-0181)*		
		Note: 1-Speed reversing.		
26 24 19 00-0204	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	2,752.24	75.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.14*	
26 24 19 00-0205	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	4,111.21	78.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.40*	
26 24 19 00-0206	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	6,591.79	82.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.65*	
26 24 19 00-0207	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	10,755.30	97.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.68*	
26 24 19 00-0208	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	16,558.93	112.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.71*	
26 24 19 00-0209	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	28,161.02	150.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*90.28*	
26 24 19 00-0210		**230 Volt Combination Starters With Fusible Switch, Full Volt** *(26 24 19 00-0181)*		
		Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0211	EA	10 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	3,213.92	120.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.22*	
26 24 19 00-0212	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	4,431.49	127.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.74*	
26 24 19 00-0213	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	6,993.14	135.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.25*	
26 24 19 00-0214	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	12,517.46	154.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.54*	
26 24 19 00-0215	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	19,961.75	180.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*108.34*	
26 24 19 00-0216		**480 Volt Combination Starters With Fusible Switch, Full Volt** *(26 24 19 00-0181)*		
		Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0217	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	3,213.92	120.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.22*	
26 24 19 00-0218	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	4,431.49	127.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.74*	
26 24 19 00-0219	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	6,993.14	135.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.25*	
26 24 19 00-0220	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	12,517.46	154.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.54*	
26 24 19 00-0221	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	19,961.75	180.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*108.34*	
26 24 19 00-0222		**230 Volt Combination Starters With Fusible Switch, Full Volt** *(26 24 19 00-0181)*		
		Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0223	EA	7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	3,686.30	75.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.14*	
26 24 19 00-0224	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	5,631.82	78.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.40*	
26 24 19 00-0225	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	8,117.92	82.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.65*	
26 24 19 00-0226	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	16,383.59	97.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.68*	
26 24 19 00-0227		**480 Volt Combination Starters With Fusible Switch, Full Volt** *(26 24 19 00-0181)*		
		Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0228	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	3,686.30	75.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.14*	
26 24 19 00-0229	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	5,631.82	78.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.40*	
26 24 19 00-0230	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	8,117.92	82.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0231	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	16,383.59	97.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.68*	
26 24 19 00-0232		**230 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)*		
		Note: Auto-transformer.		
26 24 19 00-0233	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	5,593.21	78.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.40*	
26 24 19 00-0234	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	9,890.61	86.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.91*	
26 24 19 00-0235	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	16,492.07	97.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.68*	
26 24 19 00-0236	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	22,025.41	112.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.71*	
26 24 19 00-0237	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	37,014.39	150.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*90.28*	
26 24 19 00-0238		**480 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)*		
		Note: Auto-transformer.		
26 24 19 00-0239	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	5,593.21	78.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.40*	
26 24 19 00-0240	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	9,890.61	86.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.91*	
26 24 19 00-0241	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	16,492.07	97.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.68*	
26 24 19 00-0242	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	22,025.41	112.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.71*	
26 24 19 00-0243	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	37,014.39	150.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*90.28*	
26 24 19 00-0244		**230 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)*		
		Note: Part winding.		
26 24 19 00-0245	EA	10 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	3,960.43	120.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.22*	
26 24 19 00-0246	EA	25 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	5,248.37	139.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.51*	
26 24 19 00-0247	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	8,374.86	154.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.54*	
26 24 19 00-0248	EA	75 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	16,727.78	188.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.85*	
26 24 19 00-0249		**480 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)*		
		Note: Part winding.		
26 24 19 00-0250	EA	15 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	3,960.43	120.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.22*	
26 24 19 00-0251	EA	40 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	5,248.37	139.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.51*	
26 24 19 00-0252	EA	75 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	8,374.86	154.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.54*	
26 24 19 00-0253	EA	150 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	16,727.78	188.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.85*	
26 24 19 00-0254		**230 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)*		
		Note: Energy saver.		
26 24 19 00-0255	EA	7.5 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	16,385.42	97.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.68*	
26 24 19 00-0256	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	17,379.32	120.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.22*	
26 24 19 00-0257	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	19,189.45	139.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.51*	
26 24 19 00-0258	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	29,071.34	154.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.54*	
26 24 19 00-0259	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	39,654.62	188.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.85*	
26 24 19 00-0260	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	53,818.72	240.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*144.45*	
26 24 19 00-0261		**480 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)*		
		Note: Energy saver.		
26 24 19 00-0262	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	16,385.42	97.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0263	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	17,379.32	120.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.22*	
26 24 19 00-0264	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	19,189.45	139.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.51*	
26 24 19 00-0265	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	29,071.34	154.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.54*	
26 24 19 00-0266	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	39,654.62	188.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.85*	
26 24 19 00-0267	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	53,818.72	240.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*144.45*	

26 24 19 00-0268 Starter Accessories *(26 24 19)*

26 24 19 00-0269 Starter Modifications *(26 24 19 00-0268)*

26 24 19 00-0270	EA	Control Circuit Transformer 60 Hertz, Size 1, 2, 50 VA Standard	93.93
26 24 19 00-0271	EA	Control Circuit Transformer 60 Hertz, Size 3, 4, 150 VA Standard	286.84
26 24 19 00-0272	EA	Control Circuit Transformer 60 Hertz, Size 5, 6, 50 VA	410.03
26 24 19 00-0273	EA	Control Circuit Transformer 60 Hertz, All Sizes, Extra 50 VA	102.97
26 24 19 00-0274	EA	Control Circuit Transformer 60 Hertz, All Sizes, Extra 100 VA	145.26
26 24 19 00-0275	EA	Control Circuit Transformer 60 Hertz, All Sizes, Extra 150 VA	244.55
26 24 19 00-0276	EA	Overload Relay Heater Elements, 3 Per Starter	60.68
26 24 19 00-0277	EA	N.O. Overload Relay Alarm	51.48
26 24 19 00-0278	EA	Control Circuit Fuses, Primary/Secondary	38.26
26 24 19 00-0279	EA	Control Devices Type PB2 Mount On Device, 2 Unit Pushbutton	47.30
26 24 19 00-0280	EA	Control Devices Type PB2 Mount On Device, 3 Unit Pushbutton	92.51
26 24 19 00-0281	EA	Control Devices Type PB2 Mount On Device, 2 Or 3 Post Select	47.30
26 24 19 00-0282	EA	Control Devices Type PB2 Mount On Device, Individual Light Full V	54.25
26 24 19 00-0283	EA	Control Devices Type PB2 Mount On Device, Individual Light Transformer	65.38
26 24 19 00-0284	EA	Control Devices Type PB2 Mount On Device, Individual Light Push To	77.21
26 24 19 00-0285	EA	Blank Devices Panel	14.61
26 24 19 00-0286	EA	Oversize Or Special Color Starter	22.95
26 24 19 00-0287	EA	Mini Voltmeter/Ammeter With Current Transformer	213.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*
26 24 19 00-0288	EA	Mini Elapsed Time Meters, Non Resettable	195.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*
26 24 19 00-0289	EA	Panel Elapsed Time Meter, Resettable	271.27
26 24 19 00-0290	EA	Terminal Blocks, Side Mounted, Press Connection, Plug-In Press	22.95
26 24 19 00-0291	EA	Terminal Blocks, Side Mounted, Press Connection, Plug-In Screw	32.69
26 24 19 00-0292	EA	Terminal Blocks, Front Mounted, Press Connection, Standard	22.95
26 24 19 00-0293	EA	Terminal Blocks, Front Mounted, Press Connection, Plug-In	32.69
26 24 19 00-0294	EA	Terminal Blocks, Front Mounted, Press Connection, Screw-Type Utility	32.69
26 24 19 00-0295	EA	Terminal Blocks, Front Mounted, Press Connection, Plug-In Screw Type	47.30
26 24 19 00-0296	EA	MOR - A Solid State Modular Overload Relay	117.55
26 24 19 00-0297	EA	Heater Module	39.74
26 24 19 00-0298	EA	LAM - Long Acceleration Module	246.86
26 24 19 00-0299	EA	JAM - Jam Protection Module	282.98
26 24 19 00-0300	EA	PUM - Phase Unbalance Module	537.07
26 24 19 00-0301	EA	ULM - Underload Module	257.70
26 24 19 00-0302	EA	Wiring To Common Control Circuit Transformer	56.60
26 24 19 00-0303	EA	Handle Operator Separable Source Control Circuit	105.97
26 24 19 00-0304	EA	Type SIS Control Wire	44.55
26 24 19 00-0305	EA	Ring Or Spade Terminals Control	56.60
26 24 19 00-0306	EA	Ring Terminals Power	56.60
26 24 19 00-0307	EA	14 Gauge Control Wire	44.55
26 24 19 00-0308	EA	Wiremakers	56.60
26 24 19 00-0309	EA	Wiring Diagram On Door	33.72
26 24 19 00-0310	EA	Special Color Or Type Control Wire	40.94
26 24 19 00-0311	EA	Current Transformer 12.5 VA	321.52
26 24 19 00-0312	EA	Ground Fault Relay-Instant Non-Adjust, Size 1 Thru 4	1,027.17
26 24 19 00-0313	EA	Ground Fault Relay-Instant Non-Adjust, Size 5 Thru 6	1,156.02

26 24 19 00-0314 Control Relays And Special Components *(26 24 19 00-0268)*

26 24 19 00-0315	EA	Control Relays, 600 Volt, 2 Pole	281.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*
26 24 19 00-0316	EA	Control Relays, 600 Volt, 4 Pole	335.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.29*
26 24 19 00-0317	EA	Control Relays, 600 Volt, 6 Pole	396.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.06*
26 24 19 00-0318	EA	Control Relays, 600 Volt, 8 Pole	443.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.57*
26 24 19 00-0319	EA	Control Relays, Pneumatic Timer	365.09
26 24 19 00-0320	EA	Control Relays, Motor Driven Timer	951.36
26 24 19 00-0321	EA	Control Relays, 7 Day Time Switch	1,197.42
26 24 19 00-0322	EA	Control Relays, 24 Hour Time Switch	335.78
26 24 19 00-0323	EA	Control Relays, Phase Voltage	571.17

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0324	EA	Control Relays, Two Circuit Alternator	799.47	
26 24 19 00-0325	EA	Control Relays, Manual 120 Volt	78.17	
26 24 19 00-0326	EA	Control Relays, Over-Current Relay	2,297.59	
26 24 19 00-0327	EA	Control Relays, UV-Relay	1,945.96	
26 24 19 00-0328	EA	Control Relays, Over-Current Relay	1,945.96	
26 24 19 00-0329	EA	Control Relays, Teleductor	588.94	
26 24 19 00-0330	EA	Control Relays, Current Transducer	1,583.83	
26 24 19 00-0331	EA	Control Relays, Watt Transducer	3,167.66	
26 24 19 00-0332	EA	Control Relays, Blank, Add For Each 1x	107.48	
26 24 19 00-0333	EA	Control Relays, Fixed Mounted Back Pan, 20" Structure With Wireway	160.78	
26 24 19 00-0334	EA	Control Relays, Fixed Mounted Back Pan, 24" Structure With Wireway	181.21	
26 24 19 00-0335	EA	Control Relays, Fixed Mounted Back Pan, 280" Structure With Wireway	201.64	
26 24 19 00-0336	EA	Control Relays, Fixed Mounted Back Pan, 20" Structure Without Wireway	181.21	
26 24 19 00-0337	EA	Control Relays, Fixed Mounted Back Pan, 24" Structure Without Wireway	201.64	
26 24 19 00-0338	EA	Control Relays, Fixed Mounted Back Pan, 2820" Structure Without Wireway	212.30	

26 24 19 00-0339 Circuit Breaker Modifications/Accessories *(26 24 19 00-0268)*

26 24 19 00-0340	EA	Circuit Breaker, Shunt Trip	300.65	
26 24 19 00-0341	EA	Circuit Breaker, Auxiliary Switch	103.85	
26 24 19 00-0342	EA	Circuit Breaker, Key Interlock	373.51	
26 24 19 00-0343	EA	Circuit Breaker, GFR Ground Fault	1,721.85	
26 24 19 00-0344	EA	Circuit Breaker, Seltronic Breaker	997.43	

26 24 19 00-0345 Incoming Line And Feeder Circuit Breakers *(26 24 19 00-0268)*

26 24 19 00-0346	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100	929.09	48.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.34*	
26 24 19 00-0347	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150	1,607.20	75.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.14*	
26 24 19 00-0348	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/100	1,544.16	48.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.34*	
26 24 19 00-0349	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/150	2,220.96	75.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.14*	
26 24 19 00-0350	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150/150	2,847.68	75.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.14*	
26 24 19 00-0351	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 250	1,771.49	97.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.69*	
26 24 19 00-0352	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 400	2,861.28	105.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*63.21*	
26 24 19 00-0353	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 600	3,773.34	135.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.22*	
26 24 19 00-0354	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 800	4,450.01	206.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*124.17*	
26 24 19 00-0355	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 1200	6,306.81	312.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*187.48*	
26 24 19 00-0356	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2000	13,761.28	413.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*248.06*	
26 24 19 00-0357	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2500	20,539.23	519.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*311.17*	
26 24 19 00-0358	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 3000	34,204.46	601.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*361.43*	
26 24 19 00-0359	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50	1,114.26	48.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.34*	
26 24 19 00-0360	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150	1,787.18	75.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.14*	
26 24 19 00-0361	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50	1,114.26	48.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.34*	
26 24 19 00-0362	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/50	1,787.18	75.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.14*	
26 24 19 00-0363	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/150	1,887.30	48.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.34*	
26 24 19 00-0364	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150/150	2,586.12	75.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.14*	
26 24 19 00-0365	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50	3,205.06	75.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.14*	
26 24 19 00-0366	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 100	1,697.84	75.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.14*	
26 24 19 00-0367	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 400	4,304.99	206.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*124.17*	
26 24 19 00-0368	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-225	4,304.99	206.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*124.17*	
26 24 19 00-0369	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-400	5,786.06	225.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*135.36*	
26 24 19 00-0370	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-600	7,220.86	263.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*157.92*	
26 24 19 00-0371	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-800	8,311.26	312.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*187.48*	

26 24 19 00-0372 Incoming Line And Feeder Fusible Switches *(26 24 19 00-0268)*

26 24 19 00-0373	EA	Incoming Line And Feeder Fusible Switches, 30 Or 60 Amps	1,000.63	75.23
26 24 19 00-0374	EA	Incoming Line And Feeder Fusible Switches, 30 Dual / 60 Dual	1,529.26	75.23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0375	EA	Incoming Line And Feeder Fusible Switches, 100 Amps	1,609.85	94.04
26 24 19 00-0376	EA	Incoming Line And Feeder Fusible Switches, 200 Amps	2,607.00	112.85
26 24 19 00-0377	EA	Incoming Line And Feeder Fusible Switches, 400 Amps	5,117.11	142.94
26 24 19 00-0378	EA	Incoming Line And Feeder Fusible Switches, 600 Amps	7,174.21	188.09
26 24 19 00-0379	EA	Incoming Line And Feeder Fusible Switches, 800 Amps	17,392.67	252.03
26 24 19 00-0380	EA	Incoming Line And Feeder Fusible Switches, 1,200 Amps	19,641.09	349.84

26 24 19 00-0381 Dry Type Distribution Transformers *(26 24 19 00-0268)*

26 24 19 00-0382	EA	500 VA, Phase 1, Dry Type Distribution Transformers	883.10	
26 24 19 00-0383	EA	750 VA, Phase 1, Dry Type Distribution Transformers	911.59	
26 24 19 00-0384	EA	1,000 VA, Phase 1, Dry Type Distribution Transformers	941.37	
26 24 19 00-0385	EA	1,500 VA, Phase 1, Dry Type Distribution Transformers	1,079.92	
26 24 19 00-0386	EA	2,000 VA, Phase 1, Dry Type Distribution Transformers	1,170.56	
26 24 19 00-0387	EA	3,000 VA, Phase 1, Dry Type Distribution Transformers	1,292.09	
26 24 19 00-0388	EA	5,000 VA, Phase 1, Dry Type Distribution Transformers	1,592.69	
26 24 19 00-0389	EA	7,500 VA, Phase 1, Dry Type Distribution Transformers	1,794.69	
26 24 19 00-0390	EA	9,000 VA, Phase 3, Dry Type Distribution Transformers	4,172.06	
26 24 19 00-0391	EA	10,000 VA, Phase 1, Dry Type Distribution Transformers	2,214.22	
26 24 19 00-0392	EA	15,000 VA, Phase 1, Dry Type Distribution Transformers	3,067.54	
26 24 19 00-0393	EA	15,000 VA, Phase 3, Dry Type Distribution Transformers	4,780.65	
26 24 19 00-0394	EA	20,000 VA, Phase 1, Dry Type Distribution Transformers	4,427.15	
26 24 19 00-0395	EA	30,000 VA, Phase 1, Dry Type Distribution Transformers	6,135.08	
26 24 19 00-0396	EA	30,000 VA, Phase 3, Dry Type Distribution Transformers	6,177.47	
26 24 19 00-0397	EA	45,000 VA, Phase 1, Dry Type Distribution Transformers	8,556.95	

26 24 19 00-0398 Metering Equipment *(26 24 19 00-0268)*

26 24 19 00-0399	EA	Metering Equipment, Voltmeter, Panel Type	223.97	
26 24 19 00-0400	EA	Metering Equipment, Voltmeter, Switchboard Type	489.67	
26 24 19 00-0401	EA	Metering Equipment, Ammeter, Panel	201.71	
26 24 19 00-0402	EA	Metering Equipment, Ammeter, Switchboard Type	489.67	
26 24 19 00-0403	EA	Metering Equipment, Voltmeter/Ammeter, Switch	271.96	
26 24 19 00-0404	EA	Metering Equipment, Control Switch, 4 Circuits	288.66	
26 24 19 00-0405	EA	Add For Additional Circuits	66.23	
26 24 19 00-0406	EA	Metering Equipment, Indicating Wattmeter	1,009.95	
26 24 19 00-0407	EA	Metering Equipment, Indicating Power Factor	1,057.94	
26 24 19 00-0408	EA	Metering Equipment, Integrating Watt-hour	932.74	
26 24 19 00-0409	EA	Add For Demand Attachment	433.51	
26 24 19 00-0410	EA	Metering Equipment, Current Transformer, 800 Amp	278.92	
26 24 19 00-0411	EA	Metering Equipment, Current Transformer, 1,000 Amp	481.32	
26 24 19 00-0412	EA	Metering Equipment, Current Transformer, 2,000 Amp	560.62	
26 24 19 00-0413	EA	Metering Equipment, Potential Transformer	467.41	
26 24 19 00-0414	EA	Metering Equipment, Surge Arrester	502.89	
26 24 19 00-0415	EA	Metering Equipment, Ground Detector System	384.64	

26 24 19 00-0416 Current Limiting Reactors *(26 24 19 00-0268)*

26 24 19 00-0417	EA	Current Limiting Reactors, 600 Amps	15,982.55	
26 24 19 00-0418	EA	Current Limiting Reactors, 800 Amps	23,275.24	
26 24 19 00-0419	EA	Current Limiting Reactors, 1,000 Amps	30,584.77	
26 24 19 00-0420	EA	Current Limiting Reactors, 1,200 Amps	46,555.67	

26 24 19 00-0421 Incoming Line Cable Space Requirements, Main Lugs Only *(26 24 19 00-0268)*

26 24 19 00-0422	EA	Incoming Line Cable Space Requirement, 350 MCC, 2 Screw	399.00	
26 24 19 00-0423	EA	Incoming Line Cable Space Requirement, 350 MCC, 2 Crimp	399.00	
26 24 19 00-0424	EA	Incoming Line Cable Space Requirement, 350 MCC, 4 Screw	551.61	
26 24 19 00-0425	EA	Incoming Line Cable Space Requirement, 350 MCC, 4 Crimp	1,009.45	
26 24 19 00-0426	EA	Incoming Line Cable Space Requirement, 600 MCC, 2 Screw	551.61	
26 24 19 00-0427	EA	Incoming Line Cable Space Requirement, 600 MCC, 2 Crimp	704.22	
26 24 19 00-0428	EA	Incoming Line Cable Space Requirement, 600 MCC, 4 Screw	704.22	
26 24 19 00-0429	EA	Incoming Line Cable Space Requirement, 600 MCC, 4 Crimp	1,007.61	
26 24 19 00-0430	EA	Incoming Line Cable Space Requirement, 750 MCC, 2 Screw	704.22	
26 24 19 00-0431	EA	Incoming Line Cable Space Requirement, 750 MCC, 2 Crimp	1,007.61	
26 24 19 00-0432	EA	Incoming Line Cable Space Requirement, 750 MCC, 4 Screw	856.84	
26 24 19 00-0433	EA	Incoming Line Cable Space Requirement, 750 MCC, 4 Crimp	2,778.29	
26 24 19 00-0434	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 2 Screw	856.84	
26 24 19 00-0435	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 2 Crimp	1,007.61	
26 24 19 00-0436	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 4 Screw	2,778.29	
26 24 19 00-0437	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 4 Crimp	2,778.29	
26 24 19 00-0438	EA	Bus Duct Transition Pull Box	894.51	
26 24 19 00-0439	EA	Throat And Transition To Substation	1,726.85	
26 24 19 00-0440	EA	Service Entrance Label	373.97	
26 24 19 00-0441	EA	Type W To 5 Star - 10" Transition	781.70	
26 24 19 00-0442	EA	600 Ampere Sub Feed Lugs On Main Bus	287.80	

26 24 19 00-0443 Standard Structures And Structure Options/Modifications *(26 24 19 00-0268)*

26 24 19 00-0444	EA	Standard Structure Add For Each Additional 4" Of Structure Width	246.95	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0445	EA	Standard Structure Add For 8" Vertical Wireway In Lieu Of 4"	246.95	
26 24 19 00-0446	EA	Standard Structure Single Corner Section "L", 16" Depth	763.93	
26 24 19 00-0447	EA	Standard Structure Single Corner Section "L", 21" Depth	861.65	
26 24 19 00-0448	EA	Standard Structure Unused Space/Future Space	73.73	
26 24 19 00-0449	EA	Standard Structure NEMA 12 Dustproof	198.98	
26 24 19 00-0450	EA	Standard Structure Bottom Plate For NEMA 1 Gasket Enclosure	41.75	
26 24 19 00-0451	EA	Standard Structure 150 Watt Space	179.44	
26 24 19 00-0452	EA	Standard Structure Thermostat For Space Heater Control	350.42	
26 24 19 00-0453	EA	Standard Structure Rear Hinged Structure Door, 72" High	179.44	
26 24 19 00-0454	EA	Standard Structure NEMA 2 Drip Shield On Top Of MCC	226.39	
26 24 19 00-0455	EA	Standard Structure NEMA 3R N-Walk In Front Mounted	3,229.63	
26 24 19 00-0456	EA	Standard Structure NEMA 3R N-Walk In Back-to-back	3,732.98	
26 24 19 00-0457	EA	Standard Structure NEMA 3R Walk-In Aisle Front Mounted	3,736.59	
26 24 19 00-0458		**Installation Hours For Vertical Sections** *(26 24 19 00-0268)*		
26 24 19 00-0459	EA	Install Vertical Section, 230/480 Volt, 1 Section, 600 Amps	451.38	225.70
26 24 19 00-0460	EA	Install Vertical Section, 230/480 Volt, 2 Section, 600 Amps	677.07	338.55
26 24 19 00-0461	EA	Install Vertical Section, 230/480 Volt, 3 Section, 600 Amps	752.33	376.16
26 24 19 00-0462	EA	Install Vertical Section, 230/480 Volt, 4 Section, 600 Amps	902.88	451.40
26 24 19 00-0463	EA	Install Vertical Section, 230/480 Volt, Bolt To Floor, 600 Amps	75.23	37.62
26 24 19 00-0464	EA	Install Vertical Section, 230/480 Volt, 1 Section, 800 Amps	451.38	225.70
26 24 19 00-0465	EA	Install Vertical Section, 230/480 Volt, 2 Section, 800 Amps	677.07	338.55
26 24 19 00-0466	EA	Install Vertical Section, 230/480 Volt, 3 Section, 800 Amps	752.33	376.16
26 24 19 00-0467	EA	Install Vertical Section, 230/480 Volt, 4 Section, 800 Amps	902.88	451.40
26 24 19 00-0468	EA	Install Vertical Section, 230/480 Volt, Bolt To Floor, 800 Amps	75.23	37.62
26 24 19 00-0469	EA	Install Vertical Section, 230/480 Volt, 1 Section, 1,200 Amps	526.64	263.31
26 24 19 00-0470	EA	Install Vertical Section, 230/480 Volt, 2 Section, 1,200 Amps	677.07	338.55
26 24 19 00-0471	EA	Install Vertical Section, 230/480 Volt, 3 Section, 1,200 Amps	902.88	451.40
26 24 19 00-0472	EA	Install Vertical Section, 230/480 Volt, 4 Section, 1,200 Amps	1,053.13	526.55
26 24 19 00-0473	EA	Install Vertical Section, 230/480 Volt, Bolt To Floor, 1,200 Amps	112.85	56.43
26 24 19 00-0474	EA	Install Vertical Section, 230/480 Volt, 1 Section, 1,600 Amps	601.87	300.93
26 24 19 00-0475	EA	Install Vertical Section, 230/480 Volt, 2 Section, 1,600 Amps	827.63	413.78
26 24 19 00-0476	EA	Install Vertical Section, 230/480 Volt, 3 Section, 1,600 Amps	1,053.13	526.55
26 24 19 00-0477	EA	Install Vertical Section, 230/480 Volt, 4 Section, 1,600 Amps	1,203.52	601.79
26 24 19 00-0478	EA	Install Vertical Section, 230/480 Volt, Bolt To Floor, 1,600 Amps	150.47	75.23
26 24 19 00-0479	EA	Install Vertical Section, 230/480 Volt, 1 Section, 2,000 Amps	601.87	300.93
26 24 19 00-0480	EA	Install Vertical Section, 230/480 Volt, 2 Section, 2,000 Amps	902.88	451.40
26 24 19 00-0481	EA	Install Vertical Section, 230/480 Volt, 3 Section, 2,000 Amps	1,128.37	564.17
26 24 19 00-0482	EA	Install Vertical Section, 230/480 Volt, 4 Section, 2,000 Amps	1,279.04	639.56
26 24 19 00-0483	EA	Install Vertical Section, 230/480 Volt, Bolt To Floor, 2,000 Amps	150.47	75.23
26 24 19 00-0484		**Motor Control Centers** *(26 24 19)*		
26 24 19 00-0485		**2.4 KV Motor Control Centers** *(26 24 19 00-0484)*		
26 24 19 00-0486	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 100 To 300 Hp	9,693.71	150.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*90.28*	
26 24 19 00-0487	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 400 Hp	9,693.71	150.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*90.28*	
26 24 19 00-0488	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 600 Hp	9,693.71	150.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*90.28*	
26 24 19 00-0489	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 700 Hp	9,731.35	169.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*101.57*	
26 24 19 00-0490	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,000 Hp	10,337.67	188.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.85*	
26 24 19 00-0491	EA	2,400 KV CL 11-202, Squirrel Cage Motor Control, 1,250 Hp	10,375.28	206.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*124.13*	
26 24 19 00-0492	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,500 Hp	10,412.89	225.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*135.41*	
26 24 19 00-0493	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,750 Hp	10,488.15	263.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*157.99*	
26 24 19 00-0494	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,000 Hp	10,563.38	300.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*180.56*	
26 24 19 00-0495	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,250 Hp	17,727.69	338.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*203.12*	
26 24 19 00-0496	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,500 Hp	19,032.34	376.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*225.70*	
26 24 19 00-0497	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 100 Hp	14,356.20	150.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*90.28*	
26 24 19 00-0498	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 150 Hp	14,957.86	161.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*97.05*	
26 24 19 00-0499	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 200 Hp	16,990.59	176.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*106.08*	
26 24 19 00-0500	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 300 Hp	18,908.94	188.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.85*	
26 24 19 00-0501	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 400 Hp	20,577.71	218.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*130.91*	
26 24 19 00-0502	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 600 Hp	22,543.79	233.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*139.94*	
26 24 19 00-0503	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 700 Hp	24,508.70	248.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*148.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0504	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,000 Hp	26,841.46	270.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*162.51*	
26 24 19 00-0505	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,250 Hp	31,229.79	300.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*180.56*	
26 24 19 00-0506	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,500 Hp	33,833.08	319.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*191.86*	
26 24 19 00-0507	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,750 Hp	51,628.43	376.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*225.70*	
26 24 19 00-0508	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 2,000 Hp	55,012.75	413.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*248.29*	
26 24 19 00-0509	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 2,250 Hp	57,960.41	451.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*270.86*	
26 24 19 00-0510	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 2,500 Hp	63,111.85	489.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*293.46*	
26 24 19 00-0511	EA	2.4 KV CL 14-202, Synchronous Motor Control, 100 To 300 Hp	13,548.48	150.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*90.28*	
26 24 19 00-0512	EA	2.4 KV CL 14-202, Synchronous Motor Control, 400 Hp	13,586.12	169.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*101.57*	
26 24 19 00-0513	EA	2.4 KV CL 14-202, Synchronous Motor Control, 600 Hp	13,623.71	188.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.85*	
26 24 19 00-0514	EA	2.4 KV CL 14-202, Synchronous Motor Control, 700 Hp	13,661.32	206.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*124.13*	
26 24 19 00-0515	EA	2.4 KV CL 14-202, Synchronous Motor Control, 1,000 Hp	13,701.23	225.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*135.41*	
26 24 19 00-0516	EA	2,400 Volt CL 14-202, Synchronous Motor Control, 1,250 HP	13,738.88	244.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*146.71*	
26 24 19 00-0517	EA	2.4 KV CL 14-202, Synchronous Motor Control, 1,500 Hp	13,776.49	263.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*157.99*	
26 24 19 00-0518	EA	2.4 KV CL 14-202, Synchronous Motor Control, 1,750 Hp	13,926.92	338.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*203.12*	
26 24 19 00-0519	EA	2.4 KV CL 14-202, Synchronous Motor Control, 2,000 Hp	23,656.92	376.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*225.70*	
26 24 19 00-0520	EA	2.4 KV CL 14-202, Synchronous Motor Control, 2,250 Hp	23,732.22	413.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*248.29*	
26 24 19 00-0521	EA	2.4 KV CL 14-202, Synchronous Motor Control, 2,500 Hp	25,029.96	451.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*270.86*	
26 24 19 00-0522	EA	Add For Reversing Starters, 100 To 700 HP	5,332.30	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.14*	
26 24 19 00-0523	EA	Add For Reversing Starters, 1,000 To 1,500 Hp	5,493.15	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.14*	
26 24 19 00-0524	EA	Add For Reversing Starters, 1,750 To 2,500 HP	8,394.28	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.14*	

26 24 19 00-0525 4.8 KV Motor Control Centers *(26 24 19 00-0484)*

26 24 19 00-0526	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 100 To 600 HP	10,573.75	225.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*135.41*	
26 24 19 00-0527	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 700 HP	10,611.40	244.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*146.71*	
26 24 19 00-0528	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,000 HP	10,649.01	263.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*157.99*	
26 24 19 00-0529	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,250 HP	10,686.65	282.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*169.28*	
26 24 19 00-0530	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,500 HP	11,287.23	300.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*180.56*	
26 24 19 00-0531	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,750 HP	11,324.89	319.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*191.86*	
26 24 19 00-0532	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,000 HP	11,362.43	338.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*203.12*	
26 24 19 00-0533	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,250 HP	11,400.11	357.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*214.43*	
26 24 19 00-0534	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,500 HP	11,437.69	376.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*225.70*	
26 24 19 00-0535	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,000 HP	19,321.40	489.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*293.46*	
26 24 19 00-0536	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,500 HP	19,396.33	526.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*315.94*	
26 24 19 00-0537	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,000 HP	20,695.22	564.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*338.51*	
26 24 19 00-0538	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,500 HP	20,770.37	601.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*361.06*	
26 24 19 00-0539	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 100 HP	14,669.80	225.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*135.41*	
26 24 19 00-0540	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 150 HP	14,868.31	244.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*146.71*	
26 24 19 00-0541	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 200 HP	17,330.23	263.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*157.99*	
26 24 19 00-0542	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 300 HP	19,257.92	282.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*169.28*	
26 24 19 00-0543	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 400 HP	20,904.05	300.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*180.56*	
26 24 19 00-0544	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 600 HP	22,877.72	319.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*191.86*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0545	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 700 HP	24,730.62	338.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*203.12*	
26 24 19 00-0546	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,000 HP	27,175.38	357.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*214.43*	
26 24 19 00-0547	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,250 HP	31,464.12	376.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*225.70*	
26 24 19 00-0548	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,500 HP	34,381.06	394.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*236.99*	
26 24 19 00-0549	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,750 HP	37,335.62	432.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*259.57*	
26 24 19 00-0550	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,000 HP	39,773.46	451.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*270.86*	
26 24 19 00-0551	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,250 HP	42,073.30	470.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*282.12*	
26 24 19 00-0552	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,500 HP	45,287.98	489.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*293.46*	
26 24 19 00-0553	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 3,000 HP	71,721.15	601.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*361.06*	
26 24 19 00-0554	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 3,500 HP	79,747.50	639.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*383.71*	
26 24 19 00-0555	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 4,000 HP	95,821.91	677.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*406.24*	
26 24 19 00-0556	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 4,500 HP	101,342.68	677.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*406.24*	
26 24 19 00-0557	EA	4.8 KV CL 14-202, Synchronous Motor Control, 100 To 600 HP	14,501.48	263.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*157.99*	
26 24 19 00-0558	EA	4.8 KV CL 14-202, Synchronous Motor Control, 700 HP	14,539.12	282.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*169.28*	
26 24 19 00-0559	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,000 HP	14,576.71	300.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*180.56*	
26 24 19 00-0560	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,250 HP	14,614.37	319.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*191.86*	
26 24 19 00-0561	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,500 HP	15,862.92	338.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*203.12*	
26 24 19 00-0562	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,750 HP	15,900.60	357.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*214.43*	
26 24 19 00-0563	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,000 HP	15,938.18	376.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*225.70*	
26 24 19 00-0564	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,250 HP	15,975.81	394.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*236.99*	
26 24 19 00-0565	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,500 HP	16,013.48	413.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*248.29*	
26 24 19 00-0566	EA	4.8 KV CL 14-202, Synchronous Motor Control, 3,000 HP	16,238.98	526.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*315.94*	
26 24 19 00-0567	EA	4.8 KV CL 14-202, Synchronous Motor Control, 3,500 HP	26,129.82	564.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*338.51*	
26 24 19 00-0568	EA	4.8 KV CL 14-202, Synchronous Motor Control, 4,000 HP	27,422.87	601.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*361.06*	
26 24 19 00-0569	EA	4.8 KV CL 14-202, Synchronous Motor Control, 4,500 HP	27,422.87	601.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*361.06*	
26 24 19 00-0570	EA	Add For Reversing Starters, 100 To 1,250 HP	8,443.04	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.14*	
26 24 19 00-0571	EA	Add For Reversing Starters, 1,500 To 2,500 HP	8,700.46	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.14*	
26 24 19 00-0572	EA	Add For Reversing Starters, 3,000 To 4,500 HP	13,343.19	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.14*	

26 24 19 00-0573 2.4/4.8 KV Motor Control Centers, Accessories *(26 24 19 00-0484)*

26 24 19 00-0574	EA	2.4/4.8 KV Load Break Disconnect Switch 600 Amp	10,965.43	150.47
26 24 19 00-0575	EA	2.4/4.8 KV Load Break Disconnect Switch 1,200 Amp	13,158.68	225.70
26 24 19 00-0576	EA	2.4/4.8 KV NEMA 3 Weather Resistant	4,341.19	
26 24 19 00-0577	EA	2.4/4.8 KV Space Heaters	177.83	11.29
26 24 19 00-0578	EA	2.4/4.8 KV Potential Transformer Fused	1,257.68	
26 24 19 00-0579	EA	2.4/4.8 KV Current Transformer 600 Volt, 5 KVA	674.81	
26 24 19 00-0580	EA	2.4/4.8 KV Control Transformer 4 KVA Max	2,009.71	
26 24 19 00-0581	EA	2.4/4.8 KV Pushbuttons Each	128.71	
26 24 19 00-0582	EA	2.4/4.8 KV Selector Switch Each	426.58	
26 24 19 00-0583	EA	2.4/4.8 KV Indicating Light	128.71	
26 24 19 00-0584	EA	2.4/4.8 KV Push To Test Light	389.81	
26 24 19 00-0585	EA	2.4/4.8 KV AC Voltmeter, Switchboard Type	1,037.03	
26 24 19 00-0586	EA	2.4/4.8 KV AC Ammeter, Switchboard Type	1,037.03	
26 24 19 00-0587	EA	2.4/4.8 KV Power Factor Meter	3,101.90	
26 24 19 00-0588	EA	2.4/4.8 KV Watt Hr Meter, 2 Element Drawout	2,138.42	
26 24 19 00-0589	EA	2.4/4.8 KV Operation Counter	412.38	11.29
26 24 19 00-0590	EA	2.4/4.8 KV Phase Failure Protection	2,984.06	37.62
26 24 19 00-0591	EA	2.4/4.8 KV Ground Protection	5,722.90	18.81
26 24 19 00-0592	EA	2.4/4.8 KV Synchronous Motor DC Protection	1,604.81	18.81
26 24 19 00-0593	EA	2.4/4.8 KV Lightning Arresters	2,663.35	11.29
26 24 19 00-0594	EA	2.4/4.8 KV Portable Lifting Mechanism	3,849.42	
26 24 19 00-0595	EA	2.4/4.8 KV Auxiliary Timing Relay	350.60	37.62
26 24 19 00-0596	EA	2.4/4.8 KV Auxiliary Control Relay	257.33	37.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0597		**Incoming Section And Feeder Air Circuit Breakers** *(26 24 19 00-0484)* Note: 3 Pole. Includes structure.		
26 24 19 00-0598	EA	Incoming Section MCC, Air Circuit Breaker, 70 - 100 Amp, 14,000 Amp IC, 3-Pole, With Structure Included	801.72	225.48
26 24 19 00-0599	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 225 Amp, 22,000 Amp IC, 3-Pole, With Structure Included	1,393.03	399.12
26 24 19 00-0600	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amp, 30,000 Amp IC, 3-Pole, With Structure Included	1,673.45	511.03
26 24 19 00-0601	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 600 Amp, 30,000 Amp IC, 3-Pole, With Structure Included	2,680.58	822.92
26 24 19 00-0602	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 1,200 Amp, 30,000 Amp IC, 3-Pole, With Structure Included	3,144.81	905.21
26 24 19 00-0603	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 2,000 Amp, 30,000 Amp IC, 3-Pole, With Structure Included	4,022.54	1,003.96
26 24 19 00-0604	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amp, 45,000 Amp IC, 3-Pole, With Structure Included	4,683.62	1,176.78
26 24 19 00-0605	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amp, 100,000 Amp IC, 3-Pole, With Structure Included	7,939.26	1,370.99
26 24 19 00-0606		**Main Lugs Only** *(26 24 19 00-0484)*		
26 24 19 00-0607	EA	600 Amp Incoming Section, Main Lugs	660.67	288.02
26 24 19 00-0608	EA	800 Amp Incoming Section, Main Lugs	718.93	288.02
26 24 19 00-0609	EA	1,200 Amp Incoming Section, Main Lugs	1,014.37	452.61
26 24 19 00-0610	EA	2,000 Amp Incoming Section, Main Lugs	2,419.19	822.92
26 24 19 00-0611	EA	3,000 Amp Incoming Section, Main Lugs	3,668.83	1,193.24
26 24 19 00-0612	EA	4,000 Amp Incoming Section, Main Lugs	5,218.80	1,645.84
26 24 19 00-0613		**Incoming Main Circuit Breaker Structure** *(26 24 19 00-0484)* Note: Includes structure, main breaker, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.		
26 24 19 00-0614	EA	225 Amp, Main Circuit Breaker Section	4,080.72	398.21
		For 800 Amp Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amp Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0615	EA	400 Amp, Main Circuit Breaker Section	8,575.67	511.53
		For 800 Amp Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amp Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0616	EA	600 Amp, Main Circuit Breaker Section	8,973.15	796.76
		For 800 Amp Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amp Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0617	EA	800 Amp, Main Circuit Breaker Section	12,662.40	796.76
		For 800 Amp Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amp Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0618	EA	1,200 Amp, Main Circuit Breaker Section	18,261.97	901.51
		For 800 Amp Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amp Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0619		**Incoming Fusible Main Disconnect Section** *(26 24 19 00-0484)* Note: Includes structure, fuses, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.		
26 24 19 00-0620	EA	200 Amp, Fusible Main Disconnect Section	3,557.08	398.71
		For 800 Amp Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amp Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0621	EA	400 Amp, Fusible Main Disconnect Section	4,901.29	511.77
		For 800 Amp Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amp Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0622	EA	600 Amp, Fusible Main Disconnect Section	9,522.66	797.41
		For 800 Amp Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amp Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0623	EA	800 Amp, Fusible Main Disconnect Section	11,036.06	797.41
		For 800 Amp Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amp Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0624	EA	1,200 Amp, Fusible Main Disconnect Section	15,485.58	902.33
		For 800 Amp Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amp Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	

26 24 19 00-0625 Circuit Breaker Combination Starters *(26 24 19 00-0484)*

26 24 19 00-0626 Class I, Type A *(26 24 19 00-0625)*

26 24 19 00-0627	EA	Size 1, Class I, Type A Circuit Breaker Combination Starter	660.47	167.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.25*	
26 24 19 00-0628	EA	Size 2, Class I, Type A Circuit Breaker Combination Starter	765.70	167.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*105.50*	
26 24 19 00-0629	EA	Size 3, Class I, Type A Circuit Breaker Combination Starter	1,106.02	237.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*141.89*	
26 24 19 00-0630	EA	Size 4, Class I, Type A Circuit Breaker Combination Starter	1,779.42	311.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*187.03*	
26 24 19 00-0631	EA	Size 5, Class I, Type A Circuit Breaker Combination Starter	3,138.11	390.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*233.79*	

26 24 19 00-0632 Class I, Type B *(26 24 19 00-0625)*

26 24 19 00-0633	EA	Size 1, Class I, Type B Circuit Breaker Combination Starter	621.23	145.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*82.29*	
26 24 19 00-0634	EA	Size 2, Class I, Type B Circuit Breaker Combination Starter	722.94	145.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.67*	
26 24 19 00-0635	EA	Size 3, Class I, Type B Circuit Breaker Combination Starter	1,055.08	210.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.60*	
26 24 19 00-0636	EA	Size 4, Class I, Type B Circuit Breaker Combination Starter	1,727.47	285.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*171.44*	
26 24 19 00-0637	EA	Size 5, Class I, Type B Circuit Breaker Combination Starter	3,096.20	364.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*221.21*	

26 24 19 00-0638 Class I, Type C *(26 24 19 00-0625)*

26 24 19 00-0639	EA	Size 1, Class I, Type C Circuit Breaker Combination Starter	648.52	134.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.54*	
26 24 19 00-0640	EA	Size 2, Class I, Type C Circuit Breaker Combination Starter	757.76	134.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.55*	
26 24 19 00-0641	EA	Size 3, Class I, Type C Circuit Breaker Combination Starter	1,121.29	201.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*121.02*	
26 24 19 00-0642	EA	Size 4, Class I, Type C Circuit Breaker Combination Starter	1,798.36	278.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*167.26*	
26 24 19 00-0643	EA	Size 5, Class I, Type C Circuit Breaker Combination Starter	3,160.52	357.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*214.30*	

26 24 19 00-0644 Class II, Type B *(26 24 19 00-0625)*

26 24 19 00-0645	EA	Size 1, Class II, Type B Circuit Breaker Combination Starter	671.06	199.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*113.04*	
26 24 19 00-0646	EA	Size 2, Class II, Type B Circuit Breaker Combination Starter	910.72	199.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.22*	
26 24 19 00-0647	EA	Size 3, Class II, Type B Circuit Breaker Combination Starter	1,279.90	266.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*159.48*	
26 24 19 00-0648	EA	Size 4, Class II, Type B Circuit Breaker Combination Starter	2,059.53	341.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*205.73*	
26 24 19 00-0649	EA	Size 5, Class II, Type B Circuit Breaker Combination Starter	3,648.40	417.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*250.89*	

26 24 19 00-0650 Class II, Type C *(26 24 19 00-0625)*

26 24 19 00-0651	EA	Size 1, Class II, Type C Circuit Breaker Combination Starter	819.27	189.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*108.28*	
26 24 19 00-0652	EA	Size 2, Class II, Type C Circuit Breaker Combination Starter	937.29	189.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*118.24*	
26 24 19 00-0653	EA	Size 3, Class II, Type C Circuit Breaker Combination Starter	1,350.00	258.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*154.68*	
26 24 19 00-0654	EA	Size 4, Class II, Type C Circuit Breaker Combination Starter	2,124.38	333.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*199.74*	
26 24 19 00-0655	EA	Size 5, Class II, Type C Circuit Breaker Combination Starter	3,724.41	411.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*247.87*	

26 24 19 00-0656 Fused Disconnect Combination Starter *(26 24 19 00-0484)*

26 24 19 00-0657 Class I, Type A *(26 24 19 00-0656)*

26 24 19 00-0658	EA	Size 1, Class I, Type A Fused Disconnect Combination Starter	606.16	153.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.67*	
26 24 19 00-0659	EA	Size 2, Class I, Type A Fused Disconnect Combination Starter	905.65	210.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0660	EA	Size 3, Class I, Type A Fused Disconnect Combination Starter	1,417.19	274.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*164.59*	
26 24 19 00-0661	EA	Size 4, Class I, Type A Fused Disconnect Combination Starter	1,942.39	384.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*231.16*	
26 24 19 00-0662	EA	Size 5, Class I, Type A Fused Disconnect Combination Starter	3,334.28	489.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*293.90*	
26 24 19 00-0663		**Class I, Type B** *(26 24 19 00-0656)*		
26 24 19 00-0664	EA	Size 1, Class I, Type B Fused Disconnect Combination Starter	609.84	137.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*82.29*	
26 24 19 00-0665	EA	Size 2, Class I, Type B Fused Disconnect Combination Starter	822.68	188.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*113.04*	
26 24 19 00-0666	EA	Size 3, Class I, Type B Fused Disconnect Combination Starter	1,207.36	251.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*151.27*	
26 24 19 00-0667	EA	Size 4, Class I, Type B Fused Disconnect Combination Starter	1,998.58	363.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*218.86*	
26 24 19 00-0668	EA	Size 5, Class I, Type B Fused Disconnect Combination Starter	3,379.04	462.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*278.02*	
26 24 19 00-0669		**Class I, Type C** *(26 24 19 00-0656)*		
26 24 19 00-0670	EA	Size 1, Class I, Type C Fused Disconnect Combination Starter	639.21	128.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.05*	
26 24 19 00-0671	EA	Size 2, Class I, Type C Fused Disconnect Combination Starter	860.42	174.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*105.50*	
26 24 19 00-0672	EA	Size 3, Class I, Type C Fused Disconnect Combination Starter	1,301.55	242.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*146.95*	
26 24 19 00-0673	EA	Size 4, Class I, Type C Fused Disconnect Combination Starter	2,091.99	357.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*214.30*	
26 24 19 00-0674	EA	Size 5, Class I, Type C Fused Disconnect Combination Starter	3,203.54	457.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*274.31*	
26 24 19 00-0675		**Class II, Type B** *(26 24 19 00-0656)*		
26 24 19 00-0676	EA	Size 1, Class II, Type B Fused Disconnect Combination Starter	776.50	192.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*115.58*	
26 24 19 00-0677	EA	Size 2, Class II, Type B Fused Disconnect Combination Starter	999.76	240.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*143.87*	
26 24 19 00-0678	EA	Size 3, Class II, Type B Fused Disconnect Combination Starter	1,435.26	309.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*185.34*	
26 24 19 00-0679	EA	Size 4, Class II, Type B Fused Disconnect Combination Starter	2,305.41	417.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*250.89*	
26 24 19 00-0680	EA	Size 5, Class II, Type B Fused Disconnect Combination Starter	3,880.08	520.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*311.71*	
26 24 19 00-0681		**Class II, Type C** *(26 24 19 00-0656)*		
26 24 19 00-0682	EA	Size 1, Class II, Type C Fused Disconnect Combination Starter	799.01	181.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*108.28*	
26 24 19 00-0683	EA	Size 2, Class II, Type C Fused Disconnect Combination Starter	1,037.22	227.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*136.25*	
26 24 19 00-0684	EA	Size 3, Class II, Type C Fused Disconnect Combination Starter	1,511.52	295.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*177.35*	
26 24 19 00-0685	EA	Size 4, Class II, Type C Fused Disconnect Combination Starter	2,388.40	407.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*244.92*	
26 24 19 00-0686	EA	Size 5, Class II, Type C Fused Disconnect Combination Starter	3,958.14	504.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*302.54*	
26 24 19 00-0687		**Space Complete With Bus And Hardware** *(26 24 19 00-0484)*		
26 24 19 00-0688		**Circuit Breaker Type** *(26 24 19 00-0687)*		
26 24 19 00-0689	EA	Circuit Breaker Type, Size 1 Space Complete With Bus And Hardware	190.01	55.96
26 24 19 00-0690	EA	Circuit Breaker Type, Size 2 Space Complete With Bus And Hardware	190.01	55.96
26 24 19 00-0691	EA	Circuit Breaker Type, Size 3 Space Complete With Bus And Hardware	281.91	81.47
26 24 19 00-0692	EA	Circuit Breaker Type, Size 4 Space Complete With Bus And Hardware	338.01	106.98
26 24 19 00-0693	EA	Circuit Breaker Type, Size 5 Space Complete With Bus And Hardware	561.78	162.94
26 24 19 00-0694		**Fused Disconnect Type** *(26 24 19 00-0687)*		
26 24 19 00-0695	EA	Fused Disconnect Type, Size 1 Space Complete With Bus And Hardware	190.01	55.96
26 24 19 00-0696	EA	Fused Disconnect Type, Size 2 Space Complete With Bus And Hardware	254.36	81.47
26 24 19 00-0697	EA	Fused Disconnect Type, Size 3 Space Complete With Bus And Hardware	351.49	106.98
26 24 19 00-0698	EA	Fused Disconnect Type, Size 4 Space Complete With Bus And Hardware	599.40	162.94
26 24 19 00-0699	EA	Fused Disconnect Type, Size 5 Space Complete With Bus And Hardware	838.79	237.00
26 24 19 00-0700		**Blank Space For Future Expansion** *(26 24 19 00-0687)*		
		Note: Factory modified no labor costs.		
26 24 19 00-0701	EA	Blank Space For Future Expansion, Size 1 Factory Modified, No Crew Costs	78.50	
26 24 19 00-0702	EA	Blank Space For Future Expansion, Size 2 Factory Modified, No Crew Costs	78.50	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0703	EA	Blank Space For Future Expansion, Size 3 Factory Modified, No Crew Costs	119.02	
26 24 19 00-0704	EA	Blank Space For Future Expansion, Size 4 Factory Modified, No Crew Costs	119.02	
26 24 19 00-0705	EA	Blank Space For Future Expansion, Size 5 Factory Modified, No Crew Costs	236.77	
26 24 19 00-0706		**Structure Combination Of Starters To 72" High** *(26 24 19 00-0687)*		
26 24 19 00-0707	EA	Structure Combination Of Starters To 72" High	2,142.36	433.11
26 24 19 00-0708		**Motor Control Center Basic Distribution Section** *(26 24 19 00-0484)*		
26 24 19 00-0709	EA	20" Wide Basic Section With Vertical Wireway	3,719.78	1,127.89
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amp Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amp Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amp Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amp Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amp Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0710	EA	25"-35" Wide Basic Section (No Vertical Wireway)	3,719.78	1,127.89
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amp Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amp Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amp Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amp Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amp Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0711	EA	25" Wide Basic Section With 9" Wide Vertical Wireway	4,064.75	1,127.89
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amp Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amp Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amp Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amp Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amp Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0712	EA	Corner Section	4,064.75	1,127.89
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amp Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amp Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amp Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amp Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amp Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0713		**Motor Control Center Starters With HMCP Circuit Breaker** *(26 24 19 00-0484)*		
		Note: Includes door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.		
26 24 19 00-0714		**FVNR Starters With HMCP Circuit Breaker** *(26 24 19 00-0713)*		
26 24 19 00-0715	EA	Class 1, Type A, Size 1 FVNR Starters With HMCP Circuit Breaker	917.04	158.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.04*	
26 24 19 00-0716	EA	Class 1, Type A, Size 2 FVNR Starters With HMCP Circuit Breaker	1,020.49	175.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*105.41*	
26 24 19 00-0717	EA	Class 1, Type A, Size 3 FVNR Starters With HMCP Circuit Breaker	1,744.69	236.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*141.72*	
26 24 19 00-0718	EA	Class 1, Type A, Size 4 FVNR Starters With HMCP Circuit Breaker	2,519.43	311.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*186.86*	
26 24 19 00-0719	EA	Class 1, Type A, Size 5 FVNR Starters With HMCP Circuit Breaker	5,628.41	389.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*233.52*	
26 24 19 00-0720	EA	Class 1, Type A, Size 6 FVNR Starters With HMCP Circuit Breaker	12,977.35	389.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*233.52*	
26 24 19 00-0721	EA	Class 1, Type B, Size 1 FVNR Starters With HMCP Circuit Breaker	917.64	137.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*82.21*	
26 24 19 00-0722	EA	Class 1, Type B, Size 2 FVNR Starters With HMCP Circuit Breaker	1,034.85	154.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.57*	
26 24 19 00-0723	EA	Class 1, Type B, Size 3 FVNR Starters With HMCP Circuit Breaker	1,772.75	210.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.40*	
26 24 19 00-0724	EA	Class 1, Type B, Size 4 FVNR Starters With HMCP Circuit Breaker	2,511.69	285.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*171.35*	
26 24 19 00-0725	EA	Class 1, Type B, Size 5 FVNR Starters With HMCP Circuit Breaker	5,631.36	368.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*221.21*	
26 24 19 00-0726	EA	Class 1, Type B, Size 6 FVNR Starters With HMCP Circuit Breaker	13,059.38	368.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*221.21*	
26 24 19 00-0727		**Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker** *(26 24 19 00-0713)*		
26 24 19 00-0728	EA	Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	1,448.87	198.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*118.92*	
26 24 19 00-0729	EA	Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	1,768.99	219.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*131.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0730	EA	Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	2,891.40	294.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*176.85*	
26 24 19 00-0731	EA	Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	4,932.05	389.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*233.79*	
26 24 19 00-0732	EA	Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	8,829.49	487.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*292.51*	
26 24 19 00-0733	EA	Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	1,460.73	171.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.69*	
26 24 19 00-0734	EA	Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	1,795.45	192.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*115.80*	
26 24 19 00-0735	EA	Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	2,930.55	263.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*158.26*	
26 24 19 00-0736	EA	Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	4,933.05	357.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*214.30*	
26 24 19 00-0737	EA	Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	8,842.96	461.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*276.77*	

26 24 19 00-0738 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker *(26 24 19 00-0713)*

26 24 19 00-0739	EA	Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	1,580.76	198.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*118.92*	
26 24 19 00-0740	EA	Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	2,227.08	219.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*131.60*	
26 24 19 00-0741	EA	Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	4,160.18	294.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*176.85*	
26 24 19 00-0742	EA	Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	5,660.96	389.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*233.79*	
26 24 19 00-0743	EA	Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	11,243.07	487.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*292.51*	
26 24 19 00-0744	EA	Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	1,592.62	171.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.69*	
26 24 19 00-0745	EA	Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	2,253.55	192.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*115.80*	
26 24 19 00-0746	EA	Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	4,199.32	263.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*158.26*	
26 24 19 00-0747	EA	Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	5,661.95	357.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*214.30*	
26 24 19 00-0748	EA	Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	11,256.54	461.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*276.77*	

26 24 19 00-0749 Motor Control Center Starters With Fusible Disconnect *(26 24 19 00-0484)*

Note: Includes fuses, door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.

26 24 19 00-0750 FVNR Starters With Fusible Disconnect *(26 24 19 00-0749)*

26 24 19 00-0751	EA	Class 1, Type A, Size 1 FVNR Starters With Fusible Disconnect	749.42	154.46
26 24 19 00-0752	EA	Class 1, Type A, Size 2 FVNR Starters With Fusible Disconnect	979.95	209.92
26 24 19 00-0753	EA	Class 1, Type A, Size 3 FVNR Starters With Fusible Disconnect	1,606.66	273.54
26 24 19 00-0754	EA	Class 1, Type A, Size 4 FVNR Starters With Fusible Disconnect	2,682.05	385.29
26 24 19 00-0755	EA	Class 1, Type A, Size 5 FVNR Starters With Fusible Disconnect	5,287.18	489.80
26 24 19 00-0756	EA	Class 1, Type A, Size 6 FVNR Starters With Fusible Disconnect	13,133.73	489.80
26 24 19 00-0757	EA	Class 1, Type B, Size 1 FVNR Starters With Fusible Disconnect	757.24	136.94
26 24 19 00-0758	EA	Class 1, Type B, Size 2 FVNR Starters With Fusible Disconnect	993.35	188.03
26 24 19 00-0759	EA	Class 1, Type B, Size 3 FVNR Starters With Fusible Disconnect	1,642.89	252.15
26 24 19 00-0760	EA	Class 1, Type B, Size 4 FVNR Starters With Fusible Disconnect	2,685.02	364.80
26 24 19 00-0761	EA	Class 1, Type B, Size 5 FVNR Starters With Fusible Disconnect	5,278.19	463.38
26 24 19 00-0762	EA	Class 1, Type B, Size 6 FVNR Starters With Fusible Disconnect	13,203.87	463.38

26 24 19 00-0763 Two Speed 2-Winding (TS2W) With Fusible Disconnect *(26 24 19 00-0749)*

26 24 19 00-0764	EA	Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect	1,265.09	193.39
26 24 19 00-0765	EA	Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect	1,760.18	262.43
26 24 19 00-0766	EA	Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect	2,702.28	341.76
26 24 19 00-0767	EA	Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect	5,581.12	482.97
26 24 19 00-0768	EA	Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect	9,001.56	565.18
26 24 19 00-0769	EA	Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect	1,286.05	171.17
26 24 19 00-0770	EA	Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect	1,784.21	234.86
26 24 19 00-0771	EA	Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect	2,750.97	315.51
26 24 19 00-0772	EA	Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect	5,591.51	455.16
26 24 19 00-0773	EA	Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect	9,003.07	533.01

26 24 19 00-0774 Two Speed 1-Winding (TS1W) With Fusible Disconnect *(26 24 19 00-0749)*

26 24 19 00-0775	EA	Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect	1,463.81	193.39
26 24 19 00-0776	EA	Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect	2,225.32	262.43
26 24 19 00-0777	EA	Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect	3,984.24	341.76
26 24 19 00-0778	EA	Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect	5,848.42	482.97
26 24 19 00-0779	EA	Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect	10,924.50	565.18
26 24 19 00-0780	EA	Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect	1,485.35	171.17
26 24 19 00-0781	EA	Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect	2,249.34	234.86
26 24 19 00-0782	EA	Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect	4,032.94	315.51

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0783	EA	Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect	5,858.80	455.16
26 24 19 00-0784	EA	Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect	10,926.02	533.01
26 24 19 00-0785		**Tin Plated Copper Bus Bar And Ground Bus Bar Splice Kit** *(26 24 19 00-0484)*		
		Note: Per section. Labor is included in basic distribution section.		
26 24 19 00-0786	EA	600 Amp Horizontal Tin Plated Copper Bus Kit	154.26	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.18*	
26 24 19 00-0787	EA	800 Amp Horizontal Tin Plated Copper Bus Kit	188.26	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.18*	
26 24 19 00-0788	EA	1,200 Amp Horizontal Tin Plated Copper Bus Kit	226.37	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.42*	
26 24 19 00-0789	EA	1,600 Amp Horizontal Tin Plated Copper Bus Kit	293.20	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.42*	
26 24 19 00-0790	EA	2,000 Amp Horizontal Tin Plated Copper Bus Kit	489.58	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.66*	
26 24 19 00-0791	EA	1/4" x 2" Horizontal Tin Plated Copper Ground Bus Kit	89.17	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 24 19 00-0792		**Disconnect Switch For Motor Control Centers** *(26 24 19 00-0484)*		
26 24 19 00-0793		**3 Pole Circuit Breaker Disconnect For Motor Control Center** *(26 24 19 00-0792)*		
		Note: Includes door, unit support pan, inverse time (Thermal Magnetic) circuit breaker, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		
26 24 19 00-0794	EA	150 Amp Rating, 15 To 100 Amp Trip Range, 3 Pole Circuit Breaker Disconnect	668.50	118.91
26 24 19 00-0795	EA	150 Amp Rating, 125 To 150 Amp Trip Range, 3 Pole Circuit Breaker Disconnect	1,171.49	131.67
26 24 19 00-0796	EA	225 Amp Rating, 70 To 225 Amp Trip Range, 3 Pole Circuit Breaker Disconnect	1,428.84	177.34
26 24 19 00-0797	EA	400 Amp Rating, 125 To 400 Amp Trip Range, 3 Pole Circuit Breaker Disconnect	2,372.19	233.71
26 24 19 00-0798	EA	600 Amp Rating, 300 To 600 Amp Trip Range, 3 Pole Circuit Breaker Disconnect	4,100.87	292.14
26 24 19 00-0799	EA	800 Amp Rating, 400 To 800 Amp Trip Range, 3 Pole Circuit Breaker Disconnect	4,678.95	292.14
26 24 19 00-0800	EA	1,200 Amp Rating, 600 To 1,200 Amp Trip Range, 3 Pole Circuit Breaker Disconnect	9,644.49	365.78
26 24 19 00-0801		**Fusible Disconnect Switch For Motor Control Center** *(26 24 19 00-0792)*		
		Note: Includes door, unit support pan, fuses and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		
26 24 19 00-0802	EA	30 Amp Switch Rating, Fusible Disconnect Switch With 30 Amp Fuse Clips	521.39	115.62
26 24 19 00-0803	EA	60 Amp Switch Rating, Fusible Disconnect Switch With 60 Amp Fuse Clips	622.94	157.59
26 24 19 00-0804	EA	100 Amp Switch Rating, Fusible Disconnect Switch With 100 Amp Fuse Clips	848.15	201.61
26 24 19 00-0805	EA	200 Amp Switch Rating, Fusible Disconnect Switch With 200 Amp Fuse Clips	1,547.56	288.84
26 24 19 00-0806	EA	400 Amp Switch Rating, Fusible Disconnect Switch With 400 Amp Fuse Clips	2,692.88	367.35
26 24 19 00-0807	EA	600 Amp Switch Rating, Fusible Disconnect Switch With 600 Amp Fuse Clips	5,998.91	367.35
26 24 19 00-0808	EA	800 Amp Switch Rating, Fusible Disconnect Switch With 800 Amp Fuse Clips	7,417.95	459.20
26 24 19 00-0809	EA	1,200 Amp Switch Rating, Fusible Disconnect Switch With 1,200 Amp Fuse Clips	10,878.74	459.20
26 24 19 00-0810		**Control Circuit Transformer** *(26 24 19 00-0484)*		
26 24 19 00-0811	EA	Control Circuit Transformer, Size 1 Factory Installed	41.88	
26 24 19 00-0812	EA	Control Circuit Transformer, Size 2 Factory Installed	41.88	
26 24 19 00-0813	EA	Control Circuit Transformer, Size 3 Factory Installed	80.66	
26 24 19 00-0814	EA	Control Circuit Transformer, Size 4 Factory Installed	80.66	
26 24 19 00-0815	EA	Control Circuit Transformer, Size 5 Factory Installed	112.05	
26 24 19 00-0816	EA	Control Circuit Fuse And Holder Small Dim, Dual Element Time Delay	34.97	9.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.18*	
26 24 19 00-0817		**Cover Mounted Control Devices** *(26 24 19 00-0484)*		
26 24 19 00-0818	EA	Control Device, 2 Unit Push Button Station Cover Mounted	76.17	16.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.29*	
26 24 19 00-0819	EA	Control Device, 2-3 Unit Selector Switch Cover Mounted	86.29	16.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.86*	
26 24 19 00-0820	EA	Control Device, Pilot Light Cover Mounted	70.67	16.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.71*	
26 24 19 00-0821	EA	Control Device, Hand-Off-Auto Switch Cover Mounted With Pilot Light	199.28	55.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.73*	
26 24 19 00-0822	EA	Auxiliary Contact Add Per Starter	222.92	21.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.79*	
26 24 19 00-0823		**Extra Interlocks** *(26 24 19 00-0484)*		
		Note: Per contact.		
26 24 19 00-0824	EA	Extra Interlocks, Class I, Type A Per Contact	50.21	10.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.71*	
26 24 19 00-0825	EA	Extra Interlocks, Class I, Type B Per Contact	67.71	10.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.71*	
26 24 19 00-0826	EA	Extra Interlocks, Class I, Type C Per Contact	73.95	10.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.43*	
26 24 19 00-0827	EA	Extra Interlocks, Class II, Type B Per Contact	66.17	10.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.15*	
26 24 19 00-0828	EA	Extra Interlocks, Class II, Type C Per Contact	68.97	10.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0829		**Special Cabinet Provisions** *(26 24 19 00-0484)*		
26 24 19 00-0830	EA	Provisions For Bus Duct Entrance Special Cabinet Provisions	524.27	
26 24 19 00-0831		**Nameplate Requirements** *(26 24 19 00-0484)*		
26 24 19 00-0832	EA	Special Cabinet Nameplate Requirements	18.61	
26 24 19 00-0833		**Auxiliary Relays** *(26 24 19 00-0484)*		
26 24 19 00-0834	EA	Industrial Control Relay, 10 Amp Class A600 With 2 Contacts	110.15	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.36*	
26 24 19 00-0835	EA	Timing Relay, Solid State, DPDT 0.1-10 Sec Variable, Off-Delay	104.55	18.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.36*	
26 24 19 00-0836	EA	General Purpose Control Relay, 240 Volt AC, 10 Amp, With Base	62.75	18.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.36*	
26 24 19 00-0837		**Motor Control Center Accessories** *(26 24 19 00-0484)*		
26 24 19 00-0838		**Lighting Transformer With Circuit Breaker** *(26 24 19 00-0837)*		
		Note: For 240 V, 480 V, or 600 V primary. Includes door, unit support pan, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure for MCC only.		
26 24 19 00-0839	EA	1 Phase, 5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	3,136.89	264.55
26 24 19 00-0840	EA	1 Phase, 7.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	3,261.46	275.14
26 24 19 00-0841	EA	1 Phase, 10 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	3,566.62	296.30
26 24 19 00-0842	EA	1 Phase, 15 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	4,462.41	317.46
26 24 19 00-0843	EA	1 Phase, 25 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	5,966.07	338.63
26 24 19 00-0844	EA	1 Phase, 37.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	7,315.31	380.95
26 24 19 00-0845	EA	1 Phase, 50 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	9,582.28	423.29
26 24 19 00-0846	EA	3 Phase, 10 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	5,636.09	349.21
26 24 19 00-0847	EA	3 Phase, 15 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	6,123.92	380.95
26 24 19 00-0848	EA	3 Phase, 25 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	6,999.27	423.29
26 24 19 00-0849	EA	3 Phase, 30 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	7,431.85	465.61
26 24 19 00-0850	EA	3 Phase, 37.5 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	8,945.88	507.94
26 24 19 00-0851	EA	3 Phase, 45 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	9,240.59	550.27
26 24 19 00-0852		**Bolt-On Lighting Panel** *(26 24 19 00-0837)*		
		Note: Includes door, T-handle, unit support pan, neutral bar (10 KA IC RMS), and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. For MCC only.		
26 24 19 00-0853	EA	18 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt	1,425.24	428.25
26 24 19 00-0854	EA	30 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt	2,246.96	745.40
26 24 19 00-0855	EA	42 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt	2,991.79	1,008.49
26 24 19 00-0856	EA	18 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt	1,495.46	463.38
26 24 19 00-0857	EA	30 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt	2,215.24	729.52
26 24 19 00-0858	EA	42 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt	3,117.85	1,071.53
26 24 19 00-0859	EA	18 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt	2,333.37	496.72
26 24 19 00-0860	EA	30 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt	3,150.22	797.41
26 24 19 00-0861	EA	42 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt	3,960.19	1,071.53
26 24 19 00-0862	EA	18 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt	2,411.50	535.72
26 24 19 00-0863	EA	30 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt	3,150.22	797.41
26 24 19 00-0864	EA	42 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt	4,029.32	1,106.09
26 24 19 00-0865		**Factory Installed Bolt-On Branch Circuit Breaker** *(26 24 19 00-0837)*		
		Note: For MCC lighting panel only.		
26 24 19 00-0866	EA	15 A / 1 Pole - 30 A / 1 Pole Bolt-On Branch Circuit Breaker	17.27	
26 24 19 00-0867	EA	15 A / 1 Pole - 30 A / 1 Pole (GFI) Bolt-On Branch Circuit Breaker	161.57	
26 24 19 00-0868	EA	15 A / 2 Pole - 50 A / 2 Pole Bolt-On Branch Circuit Breaker	33.76	
26 24 19 00-0869	EA	60 A / 2 Pole - 100 A / 2 Pole Bolt-On Branch Circuit Breaker	77.73	
26 24 19 00-0870	EA	15 A / 3 Pole - 50 A / 3 Pole Bolt-On Branch Circuit Breaker	91.08	
26 24 19 00-0871	EA	60 A / 3 Pole - 100 A / 3 Pole Bolt-On Branch Circuit Breaker	138.18	
26 24 19 00-0872		**Blank Unit Door (BUD)** *(26 24 19 00-0837)*		
		Note: With NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Factory installed.		
26 24 19 00-0873	EA	6" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	43.09	
26 24 19 00-0874	EA	12" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	51.70	
26 24 19 00-0875	EA	18" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	77.55	
26 24 19 00-0876	EA	24" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	103.41	
26 24 19 00-0877	EA	30" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	155.11	
26 24 19 00-0878	EA	48" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	180.96	
26 24 19 00-0879	EA	72" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	206.81	

26 25 Enclosed Bus Assemblies *(26 20)*

26 25 00 00-0001 Bus Ducts *(26 25)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 00 00-0002		**Plug-In Bus Duct** *(26 25 00 00-0001)* Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.		
26 25 00 00-0003		**600 Volt, 3-Phase, 3-Wire, Copper Conductors** *(26 25 00 00-0002)*		
26 25 00 00-0004	LF	225 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	234.01	24.69
		For Up To 25, Add	*58.50*	
		For >25 To 50, Add	*35.10*	
		For >50 To 100, Add	*17.55*	
26 25 00 00-0005	LF	400 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	333.88	24.69
		For Up To 25, Add	*83.47*	
		For >25 To 50, Add	*50.08*	
		For >50 To 100, Add	*25.04*	
26 25 00 00-0006	LF	600 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	424.07	32.91
		For Up To 25, Add	*106.02*	
		For >25 To 50, Add	*63.61*	
		For >50 To 100, Add	*31.81*	
26 25 00 00-0007	LF	800 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	588.58	32.91
		For Up To 25, Add	*147.15*	
		For >25 To 50, Add	*88.29*	
		For >50 To 100, Add	*44.14*	
26 25 00 00-0008	LF	1,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	620.72	41.14
		For Up To 25, Add	*155.18*	
		For >25 To 50, Add	*93.11*	
		For >50 To 100, Add	*46.55*	
26 25 00 00-0009	LF	1,350 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	868.36	41.14
		For Up To 25, Add	*217.09*	
		For >25 To 50, Add	*130.25*	
		For >50 To 100, Add	*65.13*	
26 25 00 00-0010	LF	1,600 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,018.03	43.21
		For Up To 25, Add	*254.51*	
		For >25 To 50, Add	*152.70*	
		For >50 To 100, Add	*76.35*	
26 25 00 00-0011	LF	2,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,242.18	44.44
		For Up To 25, Add	*310.55*	
		For >25 To 50, Add	*186.33*	
		For >50 To 100, Add	*93.16*	
26 25 00 00-0012	LF	2,500 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,535.58	46.91
		For Up To 25, Add	*383.90*	
		For >25 To 50, Add	*230.34*	
		For >50 To 100, Add	*115.17*	
26 25 00 00-0013	LF	3,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,772.89	54.72
		For Up To 25, Add	*443.22*	
		For >25 To 50, Add	*265.93*	
		For >50 To 100, Add	*132.97*	
26 25 00 00-0014	LF	4,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	2,052.88	59.66
		For Up To 25, Add	*513.22*	
		For >25 To 50, Add	*307.93*	
		For >50 To 100, Add	*153.97*	
26 25 00 00-0015		**277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors** *(26 25 00 00-0002)*		
26 25 00 00-0016	LF	225 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	388.91	24.69
		For Up To 25, Add	*97.23*	
		For >25 To 50, Add	*58.34*	
		For >50 To 100, Add	*29.17*	
26 25 00 00-0017	LF	400 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	563.84	24.69
		For Up To 25, Add	*140.96*	
		For >25 To 50, Add	*84.58*	
		For >50 To 100, Add	*42.29*	
26 25 00 00-0018	LF	600 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	637.54	32.91
		For Up To 25, Add	*159.39*	
		For >25 To 50, Add	*95.63*	
		For >50 To 100, Add	*47.82*	
26 25 00 00-0019	LF	800 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	812.23	32.91
		For Up To 25, Add	*203.06*	
		For >25 To 50, Add	*121.83*	
		For >50 To 100, Add	*60.92*	
26 25 00 00-0020	LF	1,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	992.25	41.14
		For Up To 25, Add	*248.06*	
		For >25 To 50, Add	*148.84*	
		For >50 To 100, Add	*74.42*	
26 25 00 00-0021	LF	1,350 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	1,288.51	41.14
		For Up To 25, Add	*322.13*	
		For >25 To 50, Add	*193.28*	
		For >50 To 100, Add	*96.64*	
26 25 00 00-0022	LF	1,600 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	1,667.91	42.63
		For Up To 25, Add	*416.98*	
		For >25 To 50, Add	*250.19*	
		For >50 To 100, Add	*125.09*	
26 25 00 00-0023	LF	2,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	2,011.01	44.44
		For Up To 25, Add	*502.75*	
		For >25 To 50, Add	*301.65*	
		For >50 To 100, Add	*150.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 00 00-0024	LF	2,500 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	2,496.70	46.49
		For Up To 25, Add	*624.18*	
		For >25 To 50, Add	*374.51*	
		For >50 To 100, Add	*187.25*	
26 25 00 00-0025	LF	3,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	2,881.91	54.72
		For Up To 25, Add	*720.48*	
		For >25 To 50, Add	*432.29*	
		For >50 To 100, Add	*216.14*	
26 25 00 00-0026	LF	4,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	3,341.91	59.66
		For Up To 25, Add	*835.48*	
		For >25 To 50, Add	*501.29*	
		For >50 To 100, Add	*250.64*	

26 25 00 00-0027 Cable Tap Boxes *(26 25 00 00-0002)*

26 25 00 00-0028 600 Volt, 3-Phase, 3-Wire, Copper Conductors *(26 25 00 00-0027)*

26 25 00 00-0029	EA	225 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	1,958.25	115.21
26 25 00 00-0030	EA	400 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,015.91	115.21
26 25 00 00-0031	EA	600 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,174.47	156.35
26 25 00 00-0032	EA	800 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,308.60	156.35
26 25 00 00-0033	EA	1,000 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,471.95	205.73
26 25 00 00-0034	EA	1,350 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,706.83	205.73

26 25 00 00-0035 277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors *(26 25 00 00-0027)*

26 25 00 00-0036	EA	225 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,015.91	226.30
26 25 00 00-0037	EA	400 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,183.91	226.30
26 25 00 00-0038	EA	600 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,326.65	308.60
26 25 00 00-0039	EA	800 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,613.26	308.60
26 25 00 00-0040	EA	1,000 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,741.57	411.46
26 25 00 00-0041	EA	1,350 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,121.45	411.46

26 25 00 00-0042 Bus Duct Plug-In Circuit Breaker *(26 25 00 00-0002)*

26 25 00 00-0043 240 Volt, 3-Phase *(26 25 00 00-0042)*

26 25 00 00-0044	EA	60 Amp Bus Duct Circuit Breaker 240 Volt, 3 Phase Plug-in Circuit Breaker	870.83	82.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.02*	
26 25 00 00-0045	EA	100 Amp Bus Duct Circuit Breaker 240 Volt, 3 Phase Plug-in Circuit Breaker	1,755.13	82.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*57.79*	

26 25 00 00-0046 600 Volt, 3-Phase *(26 25 00 00-0042)*

26 25 00 00-0047	EA	60 Amp Bus Duct Circuit Breaker 600 Volt, 3 Phase Plug-in Circuit Breaker	1,712.56	82.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.02*	
26 25 00 00-0048	EA	100 Amp Bus Duct Circuit Breaker 600 Volt, 3 Phase Plug-in Circuit Breaker	2,218.53	82.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*57.79*	

26 25 00 00-0049 120/208 Volt, 3-Phase, 4-Wire *(26 25 00 00-0042)*

26 25 00 00-0050	EA	60 Amp Bus Duct Circuit Breaker 120/208 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	1,003.10	98.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.44*	
26 25 00 00-0051	EA	100 Amp Bus Duct Circuit Breaker 120/208 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	1,196.31	98.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.29*	

26 25 00 00-0052 277/480 Volt, 3-Phase, 4-Wire *(26 25 00 00-0042)*

26 25 00 00-0053	EA	60 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	1,153.46	98.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.44*	
26 25 00 00-0054	EA	100 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	1,785.06	98.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.29*	
26 25 00 00-0055	EA	225 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	2,569.16	341.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*148.01*	
26 25 00 00-0056	EA	400 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	6,154.58	341.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*321.46*	
26 25 00 00-0057	EA	600 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	6,813.38	987.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*447.24*	
26 25 00 00-0058	EA	800 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	8,359.34	987.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*791.27*	

26 25 00 00-0059 Bus Duct Plug-In Fusible Switch *(26 25 00 00-0002)*

26 25 00 00-0060 240 Volt, 3-Pole, 3-Fuse *(26 25 00 00-0059)*

26 25 00 00-0061	EA	30 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	868.76	82.30
26 25 00 00-0062	EA	60 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	950.56	82.30
26 25 00 00-0063	EA	100 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	1,318.70	98.75
26 25 00 00-0064	EA	200 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	2,221.24	197.51
26 25 00 00-0065	EA	400 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	5,643.35	444.38
26 25 00 00-0066	EA	600 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	8,380.02	773.54

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 00 00-0067		**600 Volt, 3-Pole, 3-Fuse** *(26 25 00 00-0059)*		
26 25 00 00-0068	EA	30 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	907.71	90.52
26 25 00 00-0069	EA	60 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	987.22	90.52
26 25 00 00-0070	EA	100 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	1,333.10	90.52
26 25 00 00-0071	EA	200 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	2,282.03	189.28
26 25 00 00-0072	EA	400 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	5,621.37	427.91
26 25 00 00-0073	EA	600 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	8,535.88	822.92
26 25 00 00-0074	EA	800 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	14,128.37	1,069.80
26 25 00 00-0075		**120/208 Volt, 4-pole, 3 Fuse** *(26 25 00 00-0059)*		
26 25 00 00-0076	EA	30 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	1,006.98	106.98
26 25 00 00-0077	EA	60 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	1,075.98	106.98
26 25 00 00-0078	EA	100 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	1,455.47	106.98
26 25 00 00-0079	EA	200 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	2,468.96	222.19
26 25 00 00-0080	EA	400 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	6,182.62	493.75
26 25 00 00-0081	EA	600 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	8,985.05	757.09
26 25 00 00-0082		**277/480 Volt, 4-pole, 3-Fuse** *(26 25 00 00-0059)*		
26 25 00 00-0083	EA	30 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	1,041.55	106.98
26 25 00 00-0084	EA	60 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	1,110.56	90.76
26 25 00 00-0085	EA	100 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	1,556.11	123.44
26 25 00 00-0086	EA	200 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	2,576.23	222.19
26 25 00 00-0087	EA	400 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	6,182.62	493.75
26 25 00 00-0088	EA	600 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	8,985.05	757.09
26 25 00 00-0089	EA	800 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	14,321.29	1,003.96
26 25 00 00-0090		**Feeder Bus Duct** *(26 25 00 00-0001)* Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.		
26 25 00 00-0091		**600 Volt, 3 Phase, 3 Wire, Ventilated Low Impedance** *(26 25 00 00-0090)* Note: Copper conductors.		
26 25 00 00-0092	LF	800 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports	711.91	34.56
		For Up To 25, Add	*177.98*	
		For >25 To 50, Add	*106.79*	
		For >50 To 100, Add	*53.39*	
26 25 00 00-0093	LF	1,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports	720.71	34.56
		For Up To 25, Add	*180.18*	
		For >25 To 50, Add	*108.11*	
		For >50 To 100, Add	*54.05*	
26 25 00 00-0094	LF	1,350 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports	946.19	34.56
		For Up To 25, Add	*236.55*	
		For >25 To 50, Add	*141.93*	
		For >50 To 100, Add	*70.96*	
26 25 00 00-0095	LF	1,600 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports	1,138.25	34.56
		For Up To 25, Add	*284.56*	
		For >25 To 50, Add	*170.74*	
		For >50 To 100, Add	*85.37*	
26 25 00 00-0096	LF	2,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports	1,392.50	34.56
		For Up To 25, Add	*348.13*	
		For >25 To 50, Add	*208.88*	
		For >50 To 100, Add	*104.44*	
26 25 00 00-0097	LF	3,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports	1,899.51	82.30
		For Up To 25, Add	*474.88*	
		For >25 To 50, Add	*284.93*	
		For >50 To 100, Add	*142.46*	
26 25 00 00-0098	LF	4,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports	2,629.41	82.30
		For Up To 25, Add	*657.35*	
		For >25 To 50, Add	*394.41*	
		For >50 To 100, Add	*197.21*	
26 25 00 00-0099	LF	5,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports	3,110.77	82.30
		For Up To 25, Add	*777.69*	
		For >25 To 50, Add	*466.62*	
		For >50 To 100, Add	*233.31*	
26 25 00 00-0100	LF	6,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports	3,834.59	82.30
		For Up To 25, Add	*958.65*	
		For >25 To 50, Add	*575.19*	
		For >50 To 100, Add	*287.59*	
26 25 00 00-0101		**277/480 Volt, 3 Phase, 4 Wire, Half Neutral, Ventilated** *(26 25 00 00-0090)* Note: Low impedance, copper conductors.		
26 25 00 00-0102	LF	800 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	818.04	37.03
		For Up To 25, Add	*204.51*	
		For >25 To 50, Add	*122.71*	
		For >50 To 100, Add	*61.35*	
26 25 00 00-0103	LF	1,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	829.37	37.03
		For Up To 25, Add	*207.34*	
		For >25 To 50, Add	*124.41*	
		For >50 To 100, Add	*62.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 00 00-0104	LF	1,350 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	1,069.89	37.03
		For Up To 25, Add	*267.47*	
		For >25 To 50, Add	*160.48*	
		For >50 To 100, Add	*80.24*	
26 25 00 00-0105	LF	1,600 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	1,268.51	37.03
		For Up To 25, Add	*317.13*	
		For >25 To 50, Add	*190.28*	
		For >50 To 100, Add	*95.14*	
26 25 00 00-0106	LF	2,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	1,533.35	37.03
		For Up To 25, Add	*383.34*	
		For >25 To 50, Add	*230.00*	
		For >50 To 100, Add	*115.00*	
26 25 00 00-0107	LF	3,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	2,359.58	63.36
		For Up To 25, Add	*589.90*	
		For >25 To 50, Add	*353.94*	
		For >50 To 100, Add	*176.97*	
26 25 00 00-0108	LF	4,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	2,959.96	63.36
		For Up To 25, Add	*739.99*	
		For >25 To 50, Add	*443.99*	
		For >50 To 100, Add	*222.00*	
26 25 00 00-0109	LF	5,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	3,501.67	117.68
		For Up To 25, Add	*875.42*	
		For >25 To 50, Add	*525.25*	
		For >50 To 100, Add	*262.63*	
26 25 00 00-0110	LF	6,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	4,322.55	117.68
		For Up To 25, Add	*1,080.64*	
		For >25 To 50, Add	*648.38*	
		For >50 To 100, Add	*324.19*	

26 26 Power Distribution Units *(26 20)*

Note: Includes wiring connections and testing.

26 26 00 00-0001 Liebert Precision Power Center *(26 26)*

Note: With K20 Trans Spike Suppression Modules Lighting/Surge Arrestors. Includes start-up.

26 26 00 00-0002	EA	PDU 15 KVA 480-208/120 (Liebert PPA01C)	10,306.69	329.17
26 26 00 00-0003	EA	PDU 15 KVA 208-208/120 (Liebert PPC015C)	9,968.02	329.17
26 26 00 00-0004	EA	PDU 30 KVA 480-208/120 (Liebert PPA030C)	11,548.48	329.17
26 26 00 00-0005	EA	PDU 30 KVA 208-208/120 (Liebert PPC030C)	11,943.60	329.17
26 26 00 00-0006	EA	PDU 50 KVA 480-208/120 (Liebert PPA050C)	12,978.42	329.17
26 26 00 00-0007	EA	PDU 50 KVA 208-208/120 (Liebert PPC050C)	13,531.21	329.17
26 26 00 00-0008	EA	PDU 75 KVA 480-208/120 (Liebert PPA075C)	14,257.85	329.17
26 26 00 00-0009	EA	PDU 75 KVA 208-208/120 (Liebert PPC075C)	15,499.64	329.17
26 26 00 00-0010	EA	PDU 100 KVA 480-208/120 (Liebert PPA100C)	15,367.93	329.17
26 26 00 00-0011	EA	PDU 100 KVA 208-208/120 (Liebert PPC100C)	16,779.06	329.17
26 26 00 00-0012	EA	PDU 125 KVA 480-208/120 (Liebert PPA125C)	17,117.73	329.17
26 26 00 00-0013	EA	PDU 125 KVA 208-208/120 (Liebert PPC125C)	18,698.20	329.17
26 26 00 00-0014	EA	PDU 150 KVA 480-208/120 (Liebert PPA150C)	20,617.33	329.17
26 26 00 00-0015	EA	PDU 150 KVA 208-208/120 (Liebert PPC150C)	21,464.01	329.17
26 26 00 00-0016	EA	PDU 200 KVA 480-208/120 (Liebert PPA200C)	22,461.21	329.17
26 26 00 00-0017	EA	PDU 225 KVA 480-208/120 (Liebert PPA225C)	23,627.74	329.17
26 26 00 00-0018	EA	Ex Panelboard 10-30 KVA	905.89	82.30
26 26 00 00-0019	EA	Ex Panelboard 50-125 KVA	1,301.01	82.30
26 26 00 00-0020	EA	Ex Panelboard 150-220 KVA	2,881.47	82.30
26 26 00 00-0021	EA	Remove And Reinstall, Power Distribution Unit Note: Includes disconnection / reconnection of branch circuits, storage and cleaning.	1,316.26	
26 26 00 00-0022	EA	Start-Up Liebert Power Distribution Unit Line Item Applies To A Relocation Only	956.45	

26 27 Low-Voltage Distribution Equipment *(26 20)*

26 27 13 Electricity Metering *(26 27)*

26 27 13 00-0001 Revenue Metering *(26 27 13)*

26 27 13 00-0002 Meter Socket Base *(26 27 13 00-0001)*

26 27 13 00-0003	EA	100 Amp, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	165.93	53.49
26 27 13 00-0004	EA	100 Amp, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	174.71	53.49
26 27 13 00-0005	EA	200 Amp, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	228.23	65.84
26 27 13 00-0006	EA	200 Amp, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	230.73	65.84
26 27 13 00-0007	EA	200 Amp, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release	422.27	74.07
26 27 13 00-0008	EA	320 Amp, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass, And Jaw Release	554.31	82.30
26 27 13 00-0009	EA	400 Amp, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass, And Jaw Release	1,319.23	90.52
26 27 13 00-0010	EA	Combination Motor And Current Transformer Cabinet, 15-30 A, 13 Terminal, Underground, With Test Switch And Transformer - Socket Base	1,652.24	411.46

26 27 13 00-0011 Meter Device *(26 27 13 00-0001)*

Note: Direct read, with 15 minute demand.

26 27 13 00-0012	EA	100 To 200 Amp, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter	151.91	16.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.12*	
26 27 13 00-0013	EA	200 Amp, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter	414.34	16.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.30*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0014		Current Transformer Enclosure *(26 27 13 00-0001)*		
26 27 13 00-0015	EA	Current Transformer Cover, Screwed, 18" x 24" x 9", NEMA 3R	349.78	106.98
26 27 13 00-0016		120/240 Volt Meter Center And Main Breaker, Indoor Housing *(26 27 13 00-0001)*		
26 27 13 00-0017		800 Amp Bus, 4 Jaw Sockets, 125 Amp Max., 2 Pole *(26 27 13 00-0016)*		
26 27 13 00-0018	EA	3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	585.75	51.44
26 27 13 00-0019	EA	4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	768.24	61.72
26 27 13 00-0020	EA	5 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	949.76	72.00
26 27 13 00-0021	EA	6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	1,100.06	82.30
26 27 13 00-0022	EA	7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	1,425.52	92.58
26 27 13 00-0023	EA	8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	1,540.77	102.86
26 27 13 00-0024	EA	10 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	1,799.70	123.44
26 27 13 00-0025		1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max., 2 Pole *(26 27 13 00-0016)*		
26 27 13 00-0026	EA	3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	1,059.18	51.44
26 27 13 00-0027	EA	4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	1,392.20	61.72
26 27 13 00-0028	EA	6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	1,916.25	82.30
26 27 13 00-0029	EA	7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	2,126.18	92.58
26 27 13 00-0030	EA	8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	2,667.51	102.86
26 27 13 00-0031		800 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole *(26 27 13 00-0016)*		
26 27 13 00-0032	EA	3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	893.90	72.00
26 27 13 00-0033	EA	4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,168.23	82.30
26 27 13 00-0034	EA	5 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,425.52	92.58
26 27 13 00-0035	EA	6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,673.33	102.86
26 27 13 00-0036	EA	7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,101.04	113.16
26 27 13 00-0037	EA	8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,206.84	123.44
26 27 13 00-0038	EA	10 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AI	2,730.86	144.01
26 27 13 00-0039		1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole *(26 27 13 00-0016)*		
26 27 13 00-0040	EA	3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,365.42	72.00
26 27 13 00-0041	EA	4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,783.67	82.30
26 27 13 00-0042	EA	6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,506.55	102.86
26 27 13 00-0043	EA	7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,688.08	113.16
26 27 13 00-0044	EA	8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	3,428.23	123.44
26 27 13 00-0045		120/208 Volt Meter Center And Main Breaker, Indoor Housing *(26 27 13 00-0001)*		
26 27 13 00-0046		800 Amp Bus, 5 Jaw Sockets, 125 A Max., 2 Pole *(26 27 13 00-0045)*		
26 27 13 00-0047	EA	3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	640.41	61.72
26 27 13 00-0048	EA	4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	833.30	72.00
26 27 13 00-0049	EA	5 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,025.26	82.30
26 27 13 00-0050	EA	6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,188.81	92.58
26 27 13 00-0051	EA	7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,455.56	102.86
26 27 13 00-0052	EA	8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,570.81	113.16
26 27 13 00-0053	EA	10 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,933.89	133.72
26 27 13 00-0054		1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC, 2 Pole *(26 27 13 00-0045)*		
26 27 13 00-0055	EA	3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,117.62	61.72
26 27 13 00-0056	EA	4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,469.58	72.00
26 27 13 00-0057	EA	6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,116.71	92.58
26 27 13 00-0058	EA	7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,326.65	102.86
26 27 13 00-0059	EA	8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,811.20	113.16
26 27 13 00-0060		800 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole *(26 27 13 00-0045)*		
26 27 13 00-0061	EA	3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	948.58	82.30
26 27 13 00-0062	EA	4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,226.70	92.58
26 27 13 00-0063	EA	5 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,512.39	102.86
26 27 13 00-0064	EA	6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,760.21	113.16
26 27 13 00-0065	EA	7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,206.87	123.44
26 27 13 00-0066	EA	8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,312.63	133.72
26 27 13 00-0067	EA	10 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,874.56	154.30
26 27 13 00-0068		1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole *(26 27 13 00-0045)*		
26 27 13 00-0069	EA	3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,433.36	82.30
26 27 13 00-0070	EA	4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,880.02	92.58
26 27 13 00-0071	EA	6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,688.11	113.16
26 27 13 00-0072	EA	7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,812.82	123.44
26 27 13 00-0073	EA	8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	3,562.46	133.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0074		120/240 Volt Meter Center And Main Breaker, NEMA 3R Housing *(26 27 13 00-0001)*		
26 27 13 00-0075		800 Amp Bus, 4 Jaw Sockets, 10,000 AIC, 2 Pole *(26 27 13 00-0074)*		
26 27 13 00-0076	EA	3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	585.75	51.44
26 27 13 00-0077	EA	4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	768.24	61.72
26 27 13 00-0078	EA	6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	1,100.06	82.30
26 27 13 00-0079	EA	7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	1,425.52	92.58
26 27 13 00-0080	EA	8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	1,758.54	102.86
26 27 13 00-0081		1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC, 2 Pole *(26 27 13 00-0074)*		
26 27 13 00-0082	EA	3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	1,059.17	51.44
26 27 13 00-0083	EA	4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	1,392.20	61.72
26 27 13 00-0084	EA	6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	2,010.91	82.30
26 27 13 00-0085	EA	7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	2,220.86	92.58
26 27 13 00-0086	EA	8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	2,667.51	102.86
26 27 13 00-0087		800 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole *(26 27 13 00-0074)*		
26 27 13 00-0088	EA	3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	893.90	72.00
26 27 13 00-0089	EA	4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,168.23	82.30
26 27 13 00-0090	EA	6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,673.33	102.86
26 27 13 00-0091	EA	7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,101.04	113.16
26 27 13 00-0092	EA	8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,206.84	123.44
26 27 13 00-0093		1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole *(26 27 13 00-0074)*		
26 27 13 00-0094	EA	3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,365.43	72.00
26 27 13 00-0095	EA	4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,783.67	82.30
26 27 13 00-0096	EA	6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,506.55	102.86
26 27 13 00-0097	EA	7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,688.08	113.16
26 27 13 00-0098	EA	8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	3,428.26	123.44
26 27 13 00-0099		120/208 Volt Meter Center And Main Breaker, NEMA 3R Housing *(26 27 13 00-0001)*		
26 27 13 00-0100		800 Amp Bus, 5 Jaw Sockets, 10,000 AIC, 2 Pole *(26 27 13 00-0099)*		
26 27 13 00-0101	EA	3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	640.41	61.72
26 27 13 00-0102	EA	4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	833.30	72.00
26 27 13 00-0103	EA	6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,188.81	92.58
26 27 13 00-0104	EA	7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,550.24	102.86
26 27 13 00-0105	EA	8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,760.18	113.16
26 27 13 00-0106		1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC, 2 Pole *(26 27 13 00-0099)*		
26 27 13 00-0107	EA	3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,117.62	61.72
26 27 13 00-0108	EA	4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,469.57	72.00
26 27 13 00-0109	EA	6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,022.02	92.58
26 27 13 00-0110	EA	7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,231.96	102.86
26 27 13 00-0111	EA	8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,811.17	113.16
26 27 13 00-0112		800 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole *(26 27 13 00-0099)*		
26 27 13 00-0113	EA	3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	948.56	82.30
26 27 13 00-0114	EA	4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,226.68	92.58
26 27 13 00-0115	EA	6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,760.18	113.16
26 27 13 00-0116	EA	7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,206.84	123.44
26 27 13 00-0117	EA	8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,312.63	133.72
26 27 13 00-0118		1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole *(26 27 13 00-0099)*		
26 27 13 00-0119	EA	3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,433.34	82.30
26 27 13 00-0120	EA	4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,880.00	92.58
26 27 13 00-0121	EA	6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,688.08	113.16
26 27 13 00-0122	EA	7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,812.82	123.44
26 27 13 00-0123	EA	8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	3,562.46	133.72
26 27 13 00-0124		Watt/Hour Meters *(26 27 13)*		
26 27 13 00-0125	EA	Single Phase M-90 Meter, Socket, NEMA 3R Enclosure	635.91	49.37
26 27 13 00-0126	EA	Three Phase M-90 Meter/Main Breaker Combination With Socket, NEMA 3R Enclosure	1,896.24	98.75
26 27 13 00-0127	EA	Three Phase M-90 Meter In Line Secondary With Socket, NEMA 3R Enclosure	1,022.48	74.07
26 27 13 00-0128	EA	Three Phase M-90 Meter, Primary Side Transformer Mount With Socket Totally Enclosed, NEMA 3R Enclosure	1,238.72	74.07
26 27 13 00-0129	EA	Three Phase M-90 Meter, Primary Side Pole Mount With Socket, NEMA 3R Enclosure	1,054.25	74.07
26 27 13 00-0130	EA	C.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	707.29	68.30
26 27 13 00-0131	EA	P.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	1,212.06	123.44

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0132		Watt/Hour Meter Systems *(26 27 13)* Note: Includes NEMA 3R enclosure with C.T. and NEMA 3R C.T. enclosure. systems with main breakers include an additional NEMA 3R enclosure.		
26 27 13 00-0133		Watt/Hour Meter System Without Main Breaker *(26 27 13 00-0132)*		
26 27 13 00-0134	EA	400 Amp System; 200 Amp M-90 Meter And Enclosure	3,182.74	493.83
26 27 13 00-0135	EA	600-800 Amp System; 200 Amp M-90 Meter And Enclosure	3,693.06	493.83
26 27 13 00-0136		Watt/Hour Meter System With Main Breaker *(26 27 13 00-0132)*		
26 27 13 00-0137	EA	400 Amp System; 400 Amp Main Breaker, 200 Amp M-90 Meter And Enclosure	5,423.32	493.83
26 27 13 00-0138	EA	600 Amp System; 600 Amp Main Breaker, 200 Amp M-90 Meter And Enclosure	6,536.12	493.83
26 27 13 00-0139	EA	800 Amp System; 800 Amp Main Breaker, 200 Amp M-90 Meter And Enclosure	7,008.05	493.83
26 27 16		**Electrical Cabinets And Enclosures** *(26 27)* Note: Can be used as enclosure or pull/junction boxes.		
26 27 16 00-0001		NEMA 1 Enclosures *(26 27 16)*		
26 27 16 00-0002		Hinged Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0001)*		
26 27 16 00-0003		4" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0002)*		
26 27 16 00-0004	EA	6" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	52.38	16.46
26 27 16 00-0005	EA	6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	58.77	18.10
26 27 16 00-0006	EA	8" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	65.22	19.75
26 27 16 00-0007	EA	8" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	76.14	23.04
26 27 16 00-0008	EA	10" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	82.97	24.69
26 27 16 00-0009	EA	10" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	90.31	26.33
26 27 16 00-0010	EA	12" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	90.05	26.33
26 27 16 00-0011	EA	12" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	97.55	27.98
26 27 16 00-0012	EA	12" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	105.45	29.63
26 27 16 00-0013	EA	16" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	136.67	39.50
26 27 16 00-0014	EA	16" x 16" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	165.79	47.73
26 27 16 00-0015	EA	18" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	157.46	46.08
26 27 16 00-0016		6" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0002)*		
26 27 16 00-0017	EA	6" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	65.72	19.75
26 27 16 00-0018	EA	8" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	79.86	23.04
26 27 16 00-0019	EA	10" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	95.31	27.98
26 27 16 00-0020	EA	10" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	103.01	29.63
26 27 16 00-0021	EA	12" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	110.87	31.27
26 27 16 00-0022	EA	12" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	119.10	32.91
26 27 16 00-0023	EA	16" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	151.16	42.80
26 27 16 00-0024	EA	16" x 16" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	183.21	52.67
26 27 16 00-0025	EA	18" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	176.67	51.03
26 27 16 00-0026	EA	18" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	230.11	65.84
26 27 16 00-0027	EA	24" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	295.95	75.71
26 27 16 00-0028	EA	24" x 24" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	338.46	82.30
26 27 16 00-0029	EA	30" x 24" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	377.08	87.23
26 27 16 00-0030	EA	36" x 24" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	411.59	90.52
26 27 16 00-0031		Screw Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0001)*		
26 27 16 00-0032		3" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0031)*		
26 27 16 00-0033	EA	4" x 4" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure	37.93	11.52
26 27 16 00-0034	EA	6" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure	54.22	16.46
26 27 16 00-0035	EA	8" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure	60.66	18.10
26 27 16 00-0036		4" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0031)*		
26 27 16 00-0037	EA	4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	42.21	13.17
26 27 16 00-0038	EA	6" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	52.24	16.46
26 27 16 00-0039	EA	6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	58.55	18.10
26 27 16 00-0040	EA	8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	64.98	19.75
26 27 16 00-0041	EA	8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	75.82	23.04
26 27 16 00-0042	EA	10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	82.62	24.69
26 27 16 00-0043	EA	10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	89.82	26.33
26 27 16 00-0044	EA	12" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	89.51	26.33
26 27 16 00-0045	EA	12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	97.06	27.98
26 27 16 00-0046	EA	12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	104.88	29.63
26 27 16 00-0047	EA	16" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	136.67	39.50
26 27 16 00-0048	EA	16" x 16" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	169.06	49.37
26 27 16 00-0049	EA	18" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	156.68	46.08
26 27 16 00-0050	EA	18" x 18" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	203.25	59.25
26 27 16 00-0051	EA	24" x 24" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	301.39	74.07
26 27 16 00-0052		6" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0031)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0053	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	65.42	19.75
26 27 16 00-0054	EA	8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	72.44	21.40
26 27 16 00-0055	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	83.48	24.69
26 27 16 00-0056	EA	10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	94.81	27.98
26 27 16 00-0057	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	102.49	29.63
26 27 16 00-0058	EA	12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	110.27	31.27
26 27 16 00-0059	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	118.41	32.91
26 27 16 00-0060	EA	16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	151.16	42.80
26 27 16 00-0061	EA	16" x 16" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	185.66	52.67
26 27 16 00-0062	EA	18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	175.79	51.03
26 27 16 00-0063	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	228.91	65.84
26 27 16 00-0064	EA	24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	290.40	75.71
26 27 16 00-0065	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	335.91	82.30
26 27 16 00-0066	EA	30" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	363.79	87.23
26 27 16 00-0067	EA	36" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	401.31	90.52
26 27 16 00-0068		**8" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0031)*		
26 27 16 00-0069	EA	8" x 8" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	94.81	27.98
26 27 16 00-0070	EA	12" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	130.69	36.21
26 27 16 00-0071	EA	16" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	166.10	46.08
26 27 16 00-0072	EA	16" x 16" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	205.88	57.60
26 27 16 00-0073	EA	18" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	196.15	55.96
26 27 16 00-0074	EA	18" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	243.12	69.13
26 27 16 00-0075	EA	24" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	269.82	79.00
26 27 16 00-0076	EA	24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	318.26	83.94
26 27 16 00-0077	EA	24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	370.56	90.52
26 27 16 00-0078	EA	30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	394.89	95.46
26 27 16 00-0079	EA	30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	415.93	98.75
26 27 16 00-0080	EA	36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	428.75	98.75
26 27 16 00-0081		**10" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0031)*		
26 27 16 00-0082	EA	18" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	223.27	62.54
26 27 16 00-0083	EA	18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	295.00	80.64
26 27 16 00-0084	EA	24" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	295.88	85.58
26 27 16 00-0085	EA	24" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	396.88	92.17
26 27 16 00-0086	EA	24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	459.53	102.04
26 27 16 00-0087	EA	30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	515.43	105.34
26 27 16 00-0088	EA	36" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	551.29	110.27
26 27 16 00-0089		**12" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0031)*		
26 27 16 00-0090	EA	18" x 18" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure	325.80	88.88
26 27 16 00-0091	EA	24" x 12" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure	320.83	93.81
26 27 16 00-0092	EA	24" x 18" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure	435.88	102.04
26 27 16 00-0093	EA	24" x 24" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure	501.23	111.92
26 27 16 00-0094	EA	30" x 24" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure	568.48	116.85
26 27 16 00-0095	EA	36" x 24" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure	600.60	121.79
26 27 16 00-0096		**NEMA 12 Enclosures** *(26 27 16)* Note: Dust-tight enclosures.		
26 27 16 00-0097		**Hinged Cover, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0096)*		
26 27 16 00-0098		**4" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0097)*		
26 27 16 00-0099	EA	4" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	75.42	13.17
26 27 16 00-0100	EA	6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	98.13	18.10
26 27 16 00-0101	EA	8" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	121.34	23.04
26 27 16 00-0102	EA	10" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	131.40	24.69
26 27 16 00-0103	EA	12" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	147.64	26.33
26 27 16 00-0104	EA	12" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	159.07	27.98
26 27 16 00-0105		**6" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0097)*		
26 27 16 00-0106	EA	6" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	108.98	19.75
26 27 16 00-0107	EA	8" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	120.11	21.40
26 27 16 00-0108		**Screw Cover, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0096)*		
26 27 16 00-0109		**4" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0108)*		
26 27 16 00-0110	EA	4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	80.56	13.17
26 27 16 00-0111	EA	6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	100.02	18.10
26 27 16 00-0112	EA	8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	112.04	19.75
26 27 16 00-0113	EA	8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	128.84	23.04
26 27 16 00-0114	EA	10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	133.97	24.69
26 27 16 00-0115	EA	10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	154.10	26.33
26 27 16 00-0116	EA	12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	165.02	27.98
26 27 16 00-0117	EA	12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	184.56	29.63

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0118		6" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0108)*		
26 27 16 00-0119	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	118.42	19.75
26 27 16 00-0120	EA	8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	132.52	21.40
26 27 16 00-0121	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	146.44	24.69
26 27 16 00-0122	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	173.83	29.63
26 27 16 00-0123	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	189.87	32.91
26 27 16 00-0124	EA	16" x 14" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	259.39	42.80
26 27 16 00-0125	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	401.26	65.84
26 27 16 00-0126	EA	24" x 16" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	510.24	75.71
26 27 16 00-0127	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	570.79	82.30
26 27 16 00-0128		8" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0108)*		
26 27 16 00-0129	EA	24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	539.32	83.94
26 27 16 00-0130	EA	24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	612.46	90.52
26 27 16 00-0131	EA	30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	667.34	95.46
26 27 16 00-0132	EA	30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	726.28	98.75
26 27 16 00-0133	EA	36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	718.27	98.75
26 27 16 00-0134		Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0096)*		
26 27 16 00-0135		8" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0134)*		
26 27 16 00-0136	EA	60" x 48" x 8" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	1,990.96	133.72
26 27 16 00-0137		10" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0134)*		
26 27 16 00-0138	EA	60" x 48" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	2,025.55	148.12
26 27 16 00-0139	EA	60" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	2,310.07	158.42
26 27 16 00-0140	EA	72" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	2,675.36	197.51
26 27 16 00-0141	EA	72" x 72" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	3,001.79	232.88
26 27 16 00-0142		12" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0134)*		
26 27 16 00-0143	EA	60" x 48" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	2,248.03	232.88
26 27 16 00-0144	EA	60" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	2,491.14	246.88
26 27 16 00-0145	EA	72" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	2,809.52	263.33
26 27 16 00-0146	EA	72" x 72" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	3,068.48	263.33
26 27 16 00-0147		NEMA 3 Enclosures *(26 27 16)* Note: Can be used underground or encased in concrete.		
26 27 16 00-0148		2" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures *(26 27 16 00-0147)*		
26 27 16 00-0149	EA	4" x 4" x 2" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	212.55	57.60
26 27 16 00-0150		3" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures *(26 27 16 00-0147)*		
26 27 16 00-0151	EA	4" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	227.95	57.60
26 27 16 00-0152	EA	5" x 5" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	290.38	59.66
26 27 16 00-0153	EA	6" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	300.86	59.66
26 27 16 00-0154	EA	6" x 6" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	377.13	61.72
26 27 16 00-0155		4" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures *(26 27 16 00-0147)*		
26 27 16 00-0156	EA	4" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	287.54	59.66
26 27 16 00-0157	EA	5" x 5" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	314.95	59.66
26 27 16 00-0158	EA	6" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	328.28	61.72
26 27 16 00-0159	EA	6" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	412.47	61.72
26 27 16 00-0160	EA	8" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	453.29	65.84
26 27 16 00-0161	EA	8" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	487.87	69.95
26 27 16 00-0162	EA	10" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	507.89	69.95
26 27 16 00-0163	EA	10" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	603.27	72.00
26 27 16 00-0164	EA	12" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	654.21	74.07
26 27 16 00-0165	EA	12" x 12" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	894.52	82.30
26 27 16 00-0166		6" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures *(26 27 16 00-0147)*		
26 27 16 00-0167	EA	6" x 6" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	435.54	63.77
26 27 16 00-0168	EA	8" x 6" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	548.36	72.00
26 27 16 00-0169	EA	8" x 8" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	641.90	74.07
26 27 16 00-0170	EA	10" x 8" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	739.23	76.12
26 27 16 00-0171	EA	10" x 10" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	786.45	76.12
26 27 16 00-0172	EA	12" x 8" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	894.27	82.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0173	EA	12" x 12" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,034.28	92.58
26 27 16 00-0174	EA	16" x 6" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	974.66	88.46
26 27 16 00-0175	EA	18" x 12" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,894.54	164.58
26 27 16 00-0176	EA	18" x 18" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	3,277.94	205.73
26 27 16 00-0177		**8" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0147)*		
26 27 16 00-0178	EA	8" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	793.94	78.18
26 27 16 00-0179	EA	12" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,193.14	102.86
26 27 16 00-0180	EA	12" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,212.43	102.86
26 27 16 00-0181	EA	16" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,643.38	154.30
26 27 16 00-0182	EA	18" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	2,162.45	164.58
26 27 16 00-0183	EA	24" x 24" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	5,480.58	288.02
26 27 16 00-0184		**10" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0147)*		
26 27 16 00-0185	EA	18" x 12" x 10" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	2,882.65	205.73
26 27 16 00-0186		**12" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0147)*		
26 27 16 00-0187	EA	18" x 18" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	4,429.84	246.88
26 27 16 00-0188	EA	24" x 12" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	3,644.30	226.30
26 27 16 00-0189		**NEMA 3R Enclosures** *(26 27 16)*		
		Note: Rain-tight enclosures.		
26 27 16 00-0190		**Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0189)*		
26 27 16 00-0191		**4" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0190)*		
26 27 16 00-0192	EA	6" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	63.09	16.46
26 27 16 00-0193	EA	6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	69.63	18.10
26 27 16 00-0194	EA	8" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	95.39	18.10
26 27 16 00-0195		**6" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0190)*		
26 27 16 00-0196	EA	8" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	125.17	24.69
26 27 16 00-0197	EA	10" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	140.07	27.98
26 27 16 00-0198	EA	12" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	163.57	31.27
26 27 16 00-0199	EA	12" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	176.38	32.91
26 27 16 00-0200	EA	16" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	229.60	42.80
26 27 16 00-0201	EA	16" x 16" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	275.32	52.67
26 27 16 00-0202	EA	18" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	317.33	65.84
26 27 16 00-0203		**8" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0190)*		
26 27 16 00-0204	EA	24" x 20" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	473.87	83.94
26 27 16 00-0205	EA	24" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	524.25	90.52
26 27 16 00-0206	EA	30" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	586.91	95.46
26 27 16 00-0207	EA	30" x 30" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	616.48	98.75
26 27 16 00-0208		**10" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0190)*		
26 27 16 00-0209	EA	12" x 48" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	586.57	102.04
26 27 16 00-0210	EA	12" x 54" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	662.57	115.21
26 27 16 00-0211	EA	12" x 60" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	733.61	127.56
26 27 16 00-0212	EA	12" x 66" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	807.97	140.72
26 27 16 00-0213	EA	12" x 72" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	879.84	153.06
26 27 16 00-0214	EA	18" x 18" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	389.01	80.64
26 27 16 00-0215	EA	24" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	586.57	102.04
26 27 16 00-0216	EA	30" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	686.71	105.34
26 27 16 00-0217	EA	36" x 36" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	860.18	115.21
26 27 16 00-0218		**12" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0190)*		
26 27 16 00-0219	EA	12" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	560.05	81.47
26 27 16 00-0220	EA	12" x 54" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	628.17	91.35
26 27 16 00-0221	EA	12" x 60" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	695.45	101.22
26 27 16 00-0222	EA	12" x 66" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	768.89	111.92
26 27 16 00-0223	EA	12" x 72" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	837.00	121.79
26 27 16 00-0224	EA	18" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	418.50	60.90
26 27 16 00-0225	EA	18" x 32" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	560.05	81.47
26 27 16 00-0226	EA	18" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	628.17	91.35
26 27 16 00-0227	EA	18" x 42" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	735.25	106.98
26 27 16 00-0228	EA	18" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	837.00	121.79
26 27 16 00-0229	EA	30" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	797.73	120.15
26 27 16 00-0230	EA	36" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	837.00	121.79
26 27 16 00-0231	EA	36" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	880.06	125.08
26 27 16 00-0232	EA	36" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	976.46	131.67

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0233	EA	42" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,056.76	138.25
26 27 16 00-0234		Screw Cover, Galvanized Steel NEMA 3R Enclosures *(26 27 16 00-0189)*		
26 27 16 00-0235		4" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures *(26 27 16 00-0234)*		
26 27 16 00-0236	EA	4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure	50.07	13.17
26 27 16 00-0237	EA	6" x 4" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure	60.46	16.46
26 27 16 00-0238	EA	6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure	66.77	18.10
26 27 16 00-0239	EA	8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure	74.08	19.75
26 27 16 00-0240	EA	8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure	86.01	23.04
26 27 16 00-0241	EA	10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure	93.81	24.69
26 27 16 00-0242	EA	10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure	102.31	26.33
26 27 16 00-0243	EA	12" x 8" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure	101.84	26.33
26 27 16 00-0244	EA	12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure	111.42	27.98
26 27 16 00-0245	EA	12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure	119.92	29.63
26 27 16 00-0246	EA	18" x 12" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure	180.98	46.08
26 27 16 00-0247	EA	18" x 18" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure	241.72	59.25
26 27 16 00-0248		6" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures *(26 27 16 00-0234)*		
26 27 16 00-0249	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	69.39	19.75
26 27 16 00-0250	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	95.08	24.69
26 27 16 00-0251	EA	10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	107.70	27.98
26 27 16 00-0252	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	116.85	29.63
26 27 16 00-0253	EA	12" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	116.16	29.63
26 27 16 00-0254	EA	12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	125.86	31.27
26 27 16 00-0255	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	135.66	32.91
26 27 16 00-0256	EA	16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	177.07	42.80
26 27 16 00-0257	EA	18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	203.57	51.03
26 27 16 00-0258	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	271.98	65.84
26 27 16 00-0259	EA	24" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	283.60	70.77
26 27 16 00-0260	EA	24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	325.01	75.71
26 27 16 00-0261	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	366.57	82.30
26 27 16 00-0262		8" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures *(26 27 16 00-0234)*		
26 27 16 00-0263	EA	12" x 12" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	151.94	36.21
26 27 16 00-0264	EA	18" x 12" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	219.48	55.96
26 27 16 00-0265	EA	18" x 18" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	301.00	72.41
26 27 16 00-0266	EA	24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	359.59	83.94
26 27 16 00-0267	EA	24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	407.59	90.52
26 27 16 00-0268	EA	30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	453.67	95.46
26 27 16 00-0269		10" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures *(26 27 16 00-0234)*		
26 27 16 00-0270	EA	18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	331.94	80.64
26 27 16 00-0271	EA	24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	447.79	102.04
26 27 16 00-0272	EA	30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	492.36	105.34
26 27 16 00-0273		12" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures *(26 27 16 00-0234)*		
26 27 16 00-0274	EA	24" x 24" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	494.81	111.92
26 27 16 00-0275	EA	30" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	694.86	121.79
26 27 16 00-0276	EA	36" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	718.28	125.08
26 27 16 00-0277	EA	36" x 36" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	842.50	131.67
26 27 16 00-0278		NEMA 4 Enclosures *(26 27 16)* Note: Water-tight enclosures.		
26 27 16 00-0279		Hinge Cover, Painted Steel NEMA 4 Enclosures *(26 27 16 00-0278)*		
26 27 16 00-0280	EA	4" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	87.06	11.52
26 27 16 00-0281	EA	6" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	101.28	13.99
26 27 16 00-0282	EA	8" x 6" x 3.5" Hinge Cover, Painted Steel NEMA 4 Enclosure	126.43	18.10
26 27 16 00-0283	EA	6" x 6" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	119.81	18.10
26 27 16 00-0284	EA	10" x 8" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	159.86	24.69
26 27 16 00-0285	EA	12" x 10" x 5" Hinge Cover, Painted Steel NEMA 4 Enclosure	199.79	29.63
26 27 16 00-0286	EA	10" x 8" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	184.22	27.98
26 27 16 00-0287	EA	12" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	214.61	32.91
26 27 16 00-0288	EA	14" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	252.99	37.86
26 27 16 00-0289	EA	16" x 14" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	305.65	47.73
26 27 16 00-0290		Clamp Cover, Painted Steel NEMA 4 Enclosures *(26 27 16 00-0278)*		
26 27 16 00-0291	EA	4" x 4" x 3" Clamp Cover, Painted Steel NEMA 4 Enclosure	79.37	11.52
26 27 16 00-0292	EA	6" x 6" x 4" Clamp Cover, Painted Steel NEMA 4 Enclosure	112.14	18.10
26 27 16 00-0293		Screw Cover, Fiberglass NEMA 4 Or 4x Enclosures *(26 27 16 00-0278)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0294	EA	6" x 6" x 4" Screw Cover, Fiberglass NEMA 4 Or 4x Enclosure	98.93	15.80
26 27 16 00-0295	EA	8" x 6" x 4" Screw Cover, Fiberglass NEMA 4 Or 4x Enclosure	104.92	17.12
26 27 16 00-0296	EA	10" x 8" x 6" Screw Cover, Fiberglass NEMA 4 Or 4x Enclosure	128.03	22.38
26 27 16 00-0297	EA	12" x 10" x 6" Screw Cover, Fiberglass NEMA 4 Or 4x Enclosure	150.33	24.69
26 27 16 00-0298	EA	14" x 12" x 8" Screw Cover, Fiberglass NEMA 4 Enclosure	195.01	31.27
26 27 16 00-0299	EA	16" x 14" x 8" Screw Cover, Fiberglass NEMA 4 Enclosure	227.79	37.03
26 27 16 00-0300	EA	18" x 16" x 10" Screw Cover, Fiberglass NEMA 4 Enclosure	316.67	59.25

26 27 16 00-0301 NEMA 4X Enclosures *(26 27 16)*

Note: Water-tight enclosures.

26 27 16 00-0302 Clamp Cover, Aluminum NEMA 4X Enclosures *(26 27 16 00-0301)*

26 27 16 00-0303	EA	6" x 4" x 3" Clamp Cover, Aluminum NEMA 4X Enclosure	178.79	13.17
26 27 16 00-0304	EA	6" x 6" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	209.33	18.10
26 27 16 00-0305	EA	10" x 8" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	264.36	24.69
26 27 16 00-0306	EA	12" x 10" x 5" Clamp Cover, Aluminum NEMA 4X Enclosure	321.13	29.63
26 27 16 00-0307	EA	14" x 12" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	395.15	37.86
26 27 16 00-0308	EA	16" x 14" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	464.92	47.73

26 27 16 00-0309 Clamp Cover, 304 Stainless Steel NEMA 4X Enclosures *(26 27 16 00-0301)*

26 27 16 00-0310	EA	4" x 4" x 3" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	161.11	11.52
		For 316L Stainless Steel, Add	*35.72*	
26 27 16 00-0311	EA	6" x 4" x 4" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	210.44	16.46
		For 316L Stainless Steel, Add	*45.71*	
26 27 16 00-0312	EA	6" x 6" x 4" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	238.13	18.10
		For 316L Stainless Steel, Add	*52.07*	
26 27 16 00-0313	EA	8" x 6" x 4" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	271.95	19.75
		For 316L Stainless Steel, Add	*60.10*	
26 27 16 00-0314	EA	10" x 8" x 4" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	334.27	24.69
		For 316L Stainless Steel, Add	*73.59*	
26 27 16 00-0315	EA	12" x 10" x 6" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	468.06	31.27
		For 316L Stainless Steel, Add	*105.27*	
26 27 16 00-0316	EA	14" x 12" x 6" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	582.81	37.86
		For 316L Stainless Steel, Add	*131.81*	
26 27 16 00-0317	EA	16" x 14" x 6" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	703.89	47.73
		For 316L Stainless Steel, Add	*157.83*	

26 27 16 00-0318 Screw Cover, Polycarbonate NEMA 4X Enclosures *(26 27 16 00-0301)*

Note: NEMA 3R, 4, 4X and 12 rated.

26 27 16 00-0319	EA	6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	86.47	18.10
26 27 16 00-0320	EA	8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	97.09	19.75
26 27 16 00-0321	EA	8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	111.28	23.04
26 27 16 00-0322	EA	10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	120.83	24.69
26 27 16 00-0323	EA	12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	139.35	27.98
26 27 16 00-0324	EA	10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	131.76	27.98
26 27 16 00-0325	EA	12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	152.98	31.27
26 27 16 00-0326	EA	14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	191.15	37.86
26 27 16 00-0327	EA	16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	245.65	51.85
26 27 16 00-0328	EA	18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	319.65	74.64
26 27 16 00-0329	EA	6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	92.44	18.10
26 27 16 00-0330	EA	8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	104.14	19.75
26 27 16 00-0331	EA	8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	118.88	23.04
26 27 16 00-0332	EA	10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	130.04	24.69
26 27 16 00-0333	EA	12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	149.11	27.98
26 27 16 00-0334	EA	10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	140.99	27.98
26 27 16 00-0335	EA	12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	165.48	31.27
26 27 16 00-0336	EA	14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	197.65	37.86
26 27 16 00-0337	EA	16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	259.21	51.85
26 27 16 00-0338	EA	18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	334.28	74.64

26 27 16 00-0339 Hinged Cover, Polycarbonate NEMA 4X Enclosures *(26 27 16 00-0301)*

Note: NEMA 3R, 4, 4X and 12 rated.

26 27 16 00-0340	EA	6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	103.28	18.10
26 27 16 00-0341	EA	8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	110.65	19.75
26 27 16 00-0342	EA	8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	125.92	23.04
26 27 16 00-0343	EA	10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	136.01	24.69
26 27 16 00-0344	EA	12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	160.51	27.98
26 27 16 00-0345	EA	10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	148.58	27.98
26 27 16 00-0346	EA	12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	181.20	31.27
26 27 16 00-0347	EA	14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	215.55	37.86
26 27 16 00-0348	EA	16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	266.80	51.85
26 27 16 00-0349	EA	18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	347.30	74.64
26 27 16 00-0350	EA	6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	107.62	18.10
26 27 16 00-0351	EA	8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	118.77	19.75
26 27 16 00-0352	EA	8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	133.51	23.04
26 27 16 00-0353	EA	10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	144.14	24.69
26 27 16 00-0354	EA	12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	171.35	27.98
26 27 16 00-0355	EA	10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	157.79	27.98

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0356		EA	12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	192.59	31.27
26 27 16 00-0357		EA	14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	220.97	37.86
26 27 16 00-0358		EA	16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	284.68	51.85
26 27 16 00-0359		EA	18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	366.28	74.64

26 27 16 00-0360 NEMA 7/9 Enclosures *(26 27 16)*

Note: Nominal inside dimensions.

26 27 16 00-0361 4" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0360)*

26 27 16 00-0362		EA	6" x 6" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	936.07	92.58
			For Mounting Pan, Add	*39.75*	
26 27 16 00-0363		EA	6" x 8" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	746.88	98.75
			For Mounting Pan, Add	*74.07*	
26 27 16 00-0364		EA	8" x 10" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,458.39	111.09
			For Mounting Pan, Add	*102.13*	

26 27 16 00-0365 6" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0360)*

26 27 16 00-0366		EA	8" x 8" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,297.08	111.09
			For Mounting Pan, Add	*51.93*	
26 27 16 00-0367		EA	8" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,689.49	114.18
			For Mounting Pan, Add	*102.13*	
26 27 16 00-0368		EA	8" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,728.89	123.44
			For Mounting Pan, Add	*78.13*	
26 27 16 00-0369		EA	10" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,774.23	123.44
			For Mounting Pan, Add	*91.41*	
26 27 16 00-0370		EA	10" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,508.14	154.30
			For Mounting Pan, Add	*119.92*	
26 27 16 00-0371		EA	12" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,364.28	138.87
			For Mounting Pan, Add	*74.88*	
26 27 16 00-0372		EA	12" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,446.06	154.30
			For Mounting Pan, Add	*112.04*	
26 27 16 00-0373		EA	12" x 24" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,779.21	277.74
			For Mounting Pan, Add	*150.73*	
26 27 16 00-0374		EA	14" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,000.00	185.16
			For Mounting Pan, Add	*146.76*	
26 27 16 00-0375		EA	16" x 16" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,938.37	308.60
			For Mounting Pan, Add	*134.74*	
26 27 16 00-0376		EA	18" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,719.05	308.60
			For Mounting Pan, Add	*219.04*	

26 27 16 00-0377 8" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0360)*

26 27 16 00-0378		EA	8" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,017.72	138.87
			For Mounting Pan, Add	*78.13*	
26 27 16 00-0379		EA	10" x 10" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,031.82	138.87
			For Mounting Pan, Add	*91.41*	
26 27 16 00-0380		EA	10" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,300.18	138.87
			For Mounting Pan, Add	*119.92*	
26 27 16 00-0381		EA	12" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,548.90	154.30
			For Mounting Pan, Add	*74.88*	
26 27 16 00-0382		EA	12" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,706.52	277.74
			For Mounting Pan, Add	*112.04*	
26 27 16 00-0383		EA	12" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,510.38	339.46
			For Mounting Pan, Add	*150.73*	
26 27 16 00-0384		EA	12" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,080.75	401.17
			For Mounting Pan, Add	*226.69*	
26 27 16 00-0385		EA	14" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,062.18	339.46
			For Mounting Pan, Add	*146.76*	
26 27 16 00-0386		EA	16" x 16" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,172.62	339.46
			For Mounting Pan, Add	*134.74*	
26 27 16 00-0387		EA	16" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	6,213.70	370.31
			For Mounting Pan, Add	*201.96*	
26 27 16 00-0388		EA	18" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	5,132.98	339.46
			For Mounting Pan, Add	*219.04*	
26 27 16 00-0389		EA	18" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	6,854.68	370.31
			For Mounting Pan, Add	*320.30*	
26 27 16 00-0390		EA	18" x 30" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	6,807.79	370.31
			For Mounting Pan, Add	*427.00*	
26 27 16 00-0391		EA	18" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	10,567.58	493.75
			For Mounting Pan, Add	*533.67*	
26 27 16 00-0392		EA	24" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	8,043.40	401.17
			For Mounting Pan, Add	*496.22*	
26 27 16 00-0393		EA	24" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	14,570.35	617.19
			For Mounting Pan, Add	*679.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0394		**10" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures** *(26 27 16 00-0360)*		
26 27 16 00-0395	EA	12" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,364.85	401.17
		For Mounting Pan, Add	*226.69*	
26 27 16 00-0396	EA	16" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	6,779.56	370.31
		For Mounting Pan, Add	*201.96*	
26 27 16 00-0397	EA	18" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,385.99	401.17
		For Mounting Pan, Add	*320.30*	
26 27 16 00-0398	EA	18" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	9,328.42	432.03
		For Mounting Pan, Add	*533.67*	
26 27 16 00-0399	EA	24" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	8,255.40	432.03
		For Mounting Pan, Add	*496.22*	
26 27 16 00-0400	EA	24" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	15,871.83	617.19
		For Mounting Pan, Add	*679.32*	
26 27 16 00-0401		**12" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures** *(26 27 16 00-0360)*		
26 27 16 00-0402	EA	12" x 24" x 12" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,611.71	339.46
		For Mounting Pan, Add	*150.73*	
26 27 16 00-0403		**Breaker Enclosures** *(26 27 16)*		
		See CSI section 26 24 16 00-0001 for lighting and power panel boards.		
26 27 16 00-0404		**15 To 100 Amp, F-Frame Breaker Enclosures** *(26 27 16 00-0403)*		
26 27 16 00-0405	EA	NEMA 1, Painted Steel, 15 To 100 Amp, F-Frame Breaker Enclosure	309.33	65.84
26 27 16 00-0406	EA	NEMA 3R, Painted Steel, 15 To 100 Amp, F-Frame Breaker Enclosure	601.67	65.84
26 27 16 00-0407	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 100 Amp, F-Frame Breaker Enclosure	1,526.18	90.52
26 27 16 00-0408	EA	NEMA 7, Cast Aluminum, 15 To 100 Amp, F-Frame Breaker Enclosure	2,083.14	98.75
26 27 16 00-0409	EA	NEMA 9, Cast Aluminum, 15 To 100 Amp, F-Frame Breaker Enclosure	1,503.16	98.75
26 27 16 00-0410	EA	NEMA 12, Painted Steel, 15 To 100 Amp, F-Frame Breaker Enclosure	495.95	90.52
26 27 16 00-0411		**15 To 250 Amp, H Or J-Frame Breaker Enclosures** *(26 27 16 00-0403)*		
26 27 16 00-0412	EA	NEMA 1, Painted Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure	502.52	90.52
26 27 16 00-0413	EA	NEMA 3R, Painted Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure	970.65	90.52
26 27 16 00-0414	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure	3,431.11	115.21
26 27 16 00-0415	EA	NEMA 12, Painted Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure	777.49	115.21
26 27 16 00-0416		**125 To 400 Amp, L-Frame Breaker Enclosures** *(26 27 16 00-0403)*		
26 27 16 00-0417	EA	NEMA 1, Painted Steel, 125 To 400 Amp, L-Frame Breaker Enclosure	763.46	181.04
26 27 16 00-0418	EA	NEMA 3R, Painted Steel, 125 To 400 Amp, L-Frame Breaker Enclosure	1,917.84	181.04
26 27 16 00-0419	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 125 To 400 Amp, L-Frame Breaker Enclosure	5,793.49	230.42
26 27 16 00-0420	EA	NEMA 12, Painted Steel, 125 To 400 Amp, L-Frame Breaker Enclosure	1,309.58	230.42
26 27 16 00-0421		**300 To 800 Amp, M-Frame Breaker Enclosures** *(26 27 16 00-0403)*		
26 27 16 00-0422	EA	NEMA 1, Painted Steel, 300 To 800 Amp, M-Frame Breaker Enclosure	1,500.64	345.63
26 27 16 00-0423	EA	NEMA 3R, Painted Steel, 300 To 800 Amp, M-Frame Breaker Enclosure	2,720.76	345.63
26 27 16 00-0424	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 300 To 800 Amp, M-Frame Breaker Enclosure	10,406.18	444.38
26 27 16 00-0425	EA	NEMA 12, Painted Steel, 300 To 800 Amp, M-Frame Breaker Enclosure	5,511.60	444.38
26 27 16 00-0426		**250 To 1,200 Amp, P-Frame Breaker Enclosures** *(26 27 16 00-0403)*		
26 27 16 00-0427	EA	NEMA 1, Painted Steel, 250 To 1,200 Amp, P-Frame Breaker Enclosure	1,875.70	345.63
26 27 16 00-0428	EA	NEMA 3R, Painted Steel, 250 To 1,200 Amp, P-Frame Breaker Enclosure	3,313.90	345.63
26 27 16 00-0429	EA	NEMA 3R/5/12, Painted Steel, 250 To 1,200 Amp, P-Frame Breaker Enclosure	6,996.80	444.38
26 27 16 00-0430		**Legend Plates** *(26 27 16)*		
26 27 16 00-0431	EA	3" Phenolic Plastic Cabinet Legend Plate Engraved With 1/2" Letters	10.59	4.12
26 27 16 00-0432	EA	3" Engraved Aluminum Cabinet Legend Plate Engraved With 1/2" Letters	12.60	4.12
26 27 23		**Indoor Service Poles** *(26 27)*		
26 27 23 00-0001		**Communication And Power Poles** *(26 27 23)*		
		Note: Includes separate compartments for power and communication cable. Includes removable cover plates with knock-outs for modular jacks and openings to accept modular furniture adapters for communication devices. Includes all necessary mounting plates and assemblies. Excludes electrical and communications wire, power outlets and communication devices. Wiremold Tele-Power Pole series.		
26 27 23 00-0002		**Steel Communication And Power Poles** *(26 27 23 00-0001)*		
26 27 23 00-0003		**2-1/4" Width, Steel Communication And Power Poles** *(26 27 23 00-0002)*		
26 27 23 00-0004		**2-1/4" Width, Steel Communication And Power Poles** *(26 27 23 00-0003)*		
26 27 23 00-0005	EA	2-1/4" x 2-5/16", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole	214.42	36.48
26 27 23 00-0006	EA	2-1/4" x 2-5/16", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole	232.79	36.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 23 00-0007	EA	2-1/4" x 2-5/16", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole	254.05	36.48
26 27 23 00-0008		**Additional Cover Plates For 2-1/4" Width, Steel Communication And Power Poles** *(26 27 23 00-0003)*		
		Note: Excludes receptacles, communication jacks and wiring.		
26 27 23 00-0009	EA	Add-On Cover Plate For Two Duplex Receptacles And One Single Receptacle	46.29	7.52
26 27 23 00-0010	EA	Add-On Cover Plate For Three Duplex Receptacles	38.10	7.52
26 27 23 00-0011	EA	Add-On Cover Plate For Two Duplex Receptacles And One GFCI Receptacle	43.10	7.52
26 27 23 00-0012	EA	Add-On Cover Plate For Data And A/V Modular Devices	32.02	7.52
26 27 23 00-0013	EA	Add-On Radius Control Entrance End Fitting	26.43	7.52
26 27 23 00-0014		**2-3/4" Width, Steel Communication And Power Poles** *(26 27 23 00-0002)*		
26 27 23 00-0015		**2-3/4" Width, Steel Communication And Power Poles** *(26 27 23 00-0014)*		
26 27 23 00-0016	EA	2-3/4" x 1-17/32", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole	277.43	36.48
26 27 23 00-0017	EA	2-3/4" x 1-17/32", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole	316.92	36.48
26 27 23 00-0018	EA	2-3/4" x 1-17/32", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole	338.24	36.48
26 27 23 00-0019		**Additional Cover Plates For 2-3/4" Width, Steel Communication And Power Poles** *(26 27 23 00-0014)*		
		Note: Excludes receptacles and communication jacks.		
26 27 23 00-0020	EA	Add-On Cover Plate For One Single Receptacle	29.55	7.52
26 27 23 00-0021	EA	Add-On Cover Plate For One Duplex Receptacle	26.60	7.52
26 27 23 00-0022	EA	Add-On Cover Plate For Data And A/V Modular Devices	28.71	7.52
26 27 23 00-0023		**3" Width, Steel Communication And Power Poles** *(26 27 23 00-0002)*		
26 27 23 00-0024		**3" Width, Steel Communication And Power Poles** *(26 27 23 00-0023)*		
26 27 23 00-0025	EA	3" x 2-3/4", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole	361.12	36.48
26 27 23 00-0026	EA	3" x 2-3/4", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole	408.65	36.48
26 27 23 00-0027	EA	3" x 2-3/4", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole	439.99	36.48
26 27 23 00-0028		**Additional Cover Plates For 3" Width, Steel Communication And Power Poles** *(26 27 23 00-0023)*		
		Note: Excludes receptacles and communication jacks.		
26 27 23 00-0029	EA	Add-On Cover Plate For One Single Receptacle	29.55	7.52
26 27 23 00-0030	EA	Add-On Cover Plate For One Duplex Receptacle	26.60	7.52
26 27 23 00-0031	EA	Add-On Cover Plate For Data And A/V Modular Devices	28.71	7.52
26 27 23 00-0032		**Aluminum Communication And Power Poles** *(26 27 23 00-0001)*		
26 27 23 00-0033		**2-1/8" Width, Aluminum Communication And Power Poles** *(26 27 23 00-0032)*		
26 27 23 00-0034		**2-1/8" Width, Aluminum Communication And Power Poles** *(26 27 23 00-0033)*		
26 27 23 00-0035	EA	2-1/8" x 2-3/8", 10'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	289.80	36.48
26 27 23 00-0036	EA	2-1/8" x 2-3/8", 12'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	323.03	36.48
26 27 23 00-0037	EA	2-1/8" x 2-3/8", 15'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	360.29	36.48
26 27 23 00-0038		**Additional Cover Plates For 2-1/8" Width, Aluminum Communication And Power Poles** *(26 27 23 00-0033)*		
26 27 23 00-0039	EA	Add-On Cover Plate For Two Duplex Receptacles And One Single Receptacle	45.04	7.52
26 27 23 00-0040	EA	Add-On Cover Plate For Three Duplex Receptacles	45.98	7.52
26 27 23 00-0041	EA	Add-On Cover Plate For Two Duplex Receptacles And One GFCI Receptacle	49.10	7.52
26 27 23 00-0042	EA	Add-On Cover Plate For Data And A/V Modular Devices	33.77	7.52
26 27 23 00-0043	EA	Add-On Radius Control Entrance End Fitting	26.43	7.52
26 27 23 00-0044		**2-1/4" Width, Aluminum Communication And Power Poles** *(26 27 23 00-0032)*		
26 27 23 00-0045	EA	2-1/4" x 2-5/16", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	279.42	36.48
26 27 23 00-0046	EA	2-1/4" x 2-5/16", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	313.50	36.48
26 27 23 00-0047	EA	2-1/4" x 2-5/16", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	353.66	36.48
26 27 23 00-0048		**5" Width, Aluminum Communication And Power Poles** *(26 27 23 00-0032)*		
26 27 23 00-0049	EA	5" x 4-3/4", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	583.03	36.48
26 27 23 00-0050	EA	5" x 4-3/4", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	666.63	36.48
26 27 23 00-0051	EA	5" x 4-3/4", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	760.26	36.48
26 27 23 00-0052		**2" Diameter, Round Aluminum Communication And Power Pole** *(26 27 23 00-0032)*		
26 27 23 00-0053	EA	2" Diameter, 10'-4" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	317.51	36.48
26 27 23 00-0054	EA	2" Diameter, 10'-4" Height, Painted White Finish, Aluminum Communication And Power Pole	300.67	36.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 23 00-0055	EA	2" Diameter, 10'-4" Height, Polished Anodized Finish, Aluminum Communication And Power Pole	384.75	36.48

26 27 26 Wiring Devices *(26 27)*

Note: Includes device, installation, wire connections, support clips (where necessary) and testing. Assemblies include outlet device, cover plate, mounting and appropriate box.

26 27 26 00-0001 Receptacles *(26 27 26)*

26 27 26 00-0002 General Use Receptacles *(26 27 26 00-0001)*

26 27 26 00-0003 Receptacle Assemblies *(26 27 26 00-0002)*

Note: Includes 4" square steel box, bracket, mud ring, receptacle and cover plate.

26 27 26 00-0004	EA	1 Gang, 15 Amp, NEMA 5-15, Duplex Receptacle Assembly	65.29	29.22
26 27 26 00-0005	EA	1 Gang, 20 Amp, NEMA 5-20, Duplex Receptacle Assembly	69.86	31.27
26 27 26 00-0006	EA	2 Gang, 15 Amp, NEMA 5-15, Duplex Receptacle Assembly	83.76	37.44
26 27 26 00-0007	EA	2 Gang, 20 Amp, NEMA 5-20, Duplex Receptacle Assembly	92.92	41.55
26 27 26 00-0008	EA	1 Gang, 15 Amp, GFI, Duplex Receptacle Assembly	71.53	29.22
26 27 26 00-0009	EA	1 Gang, 20 Amp, GFI, Duplex Receptacle Assembly	76.44	31.27

26 27 26 00-0010 Receptacle Components *(26 27 26 00-0002)*

26 27 26 00-0011	EA	15 Amp, NEMA 5-15, Single Receptacle, 125 Volt, 1 Phase	18.16	8.23
26 27 26 00-0012	EA	15 Amp, NEMA 5-15, Duplex Receptacle, 125 Volt, 1 Phase	17.80	8.23
26 27 26 00-0013	EA	15 Amp, Single Receptacle, 120/277 Volt, 3 Wire	19.95	8.23
26 27 26 00-0014	EA	15 Amp, Duplex Receptacle, 120/277 Volt, 3 Wire	21.19	8.23
26 27 26 00-0015	EA	15 Amp, NEMA 6-15, Single Receptacle, 250 Volt, 1 Phase	26.89	10.28
26 27 26 00-0016	EA	15 Amp, NEMA 6-15, Duplex Receptacle, 250 Volt, 1 Phase	30.97	10.28
26 27 26 00-0017	EA	20 Amp, NEMA 5-20, Single Receptacle, 125 Volt, 1 Phase	18.64	8.23
26 27 26 00-0018	EA	20 Amp, NEMA 5-20, Duplex Receptacle, 125 Volt, 1 Phase	18.26	8.23
26 27 26 00-0019	EA	20 Amp, Single Receptacle, 120/277 Volt	23.86	8.23
26 27 26 00-0020	EA	20 Amp, Duplex Receptacle, 120/277 Volt	20.80	8.23
26 27 26 00-0021	EA	20 Amp, NEMA 6-20, Single Receptacle, 250 Volt, 1 Phase	26.89	10.28
26 27 26 00-0022	EA	20 Amp, NEMA 6-20, Duplex Receptacle, 250 Volt, 1 Phase	30.97	10.28
26 27 26 00-0023	EA	20 Amp, NEMA 14-20, Single Receptacle, 125/250 Volt, 1 Phase	44.06	10.28
26 27 26 00-0024	EA	20 Amp, NEMA 15-20, Single Receptacle, 250 Volt, 3 Phase	44.06	10.28
26 27 26 00-0025	EA	25 Amp, Duplex Receptacle, 120/277 Volt	39.77	12.35

26 27 26 00-0026 Specialty Receptacles *(26 27 26 00-0001)*

26 27 26 00-0027 Specialty *(26 27 26 00-0026)*

26 27 26 00-0028	EA	30 Amp, NEMA 5-30, Single Receptacle, 125 Volt, 1 Phase	38.06	14.40
26 27 26 00-0029	EA	30 Amp, NEMA 6-30, Single Receptacle, 250 Volt, 1 Phase	38.06	14.40
26 27 26 00-0030	EA	30 Amp, NEMA 10-30 Single Receptacles, 125/250 Volt	49.64	14.40
26 27 26 00-0031	EA	30 Amp, NEMA 14-30, Single Receptacle, 125/250 Volt, 1 Phase	52.28	14.40
26 27 26 00-0032	EA	30 Amp, NEMA 15-30, Single Receptacle, 250 Volt, 3 Phase	56.39	16.46
26 27 26 00-0033	EA	50 Amp, NEMA 5-50, Single Receptacle, 125 Volt, 1 Phase	52.99	16.46
26 27 26 00-0034	EA	50 Amp, NEMA 6-50, Single Receptacle, 250 Volt, 1 Phase	52.04	16.46
26 27 26 00-0035	EA	50 Amp, NEMA 7-50 Single Receptacles, 277 Volt	47.11	16.46
26 27 26 00-0036	EA	50 Amp, NEMA 10-50 Single Receptacles, 125/250 Volt	59.60	16.46
26 27 26 00-0037	EA	50 Amp, NEMA 14-50, Single Receptacle, 125/250 Volt, 1 Phase	61.60	16.46
26 27 26 00-0038	EA	50 Amp, NEMA 15-50, Single Receptacle, 250 Volt, 3 Phase	65.72	18.51
26 27 26 00-0039	EA	60 Amp, NEMA 14-60, Single Receptacle, 125/250 Volt, 1 Phase	72.44	20.58
26 27 26 00-0040	EA	60 Amp, NEMA 15-60, Single Receptacle, 250 Volt, 3 Phase	80.67	24.69
26 27 26 00-0041	EA	100 Amp, 3 Phase, 480 Volt Joy Receptacle With Box - Complete	735.12	193.39
26 27 26 00-0042	EA	400 Amp, 4 Pole Weatherproof Generator Receptacle With Box - Complete	1,627.07	236.59
26 27 26 00-0043	EA	30 Amp, Dryer Receptacle, 230 Volt	44.88	16.46
26 27 26 00-0044	EA	60 Amp, Range Receptacle, 230 Volt	66.14	24.69
26 27 26 00-0045	EA	15 Or 20 Amp, Clock Hanger Receptacle, 120/277 Volt	38.40	10.28
26 27 26 00-0046	EA	Cable Reel With 20 Amp, 120 Volt Receptacle - Complete	806.40	250.75

26 27 26 00-0047 Isolated Ground Receptacles *(26 27 26 00-0026)*

26 27 26 00-0048	EA	15 Amp, 125 Volt, NEMA 5-15R Isolated Ground Receptacle, Simplex Note: 2 Pole, 3 wire.	51.32	8.23
26 27 26 00-0049	EA	20 Amp, 120 Volt Isolated Ground Receptacles, Simplex	33.76	10.28
26 27 26 00-0050	EA	20 Amp, 120 Volt Isolated Ground Receptacles, Duplex	33.67	10.28
26 27 26 00-0051	EA	30 Amp, 120 Volt Isolated Ground Receptacles, Simplex	48.35	16.46
26 27 26 00-0052	EA	Locking 15 Amp, 250 Volt Isolated Ground Receptacles	36.90	10.28
26 27 26 00-0053	EA	Locking 15 Amp, 277 Volt Isolated Ground Receptacles	34.46	10.28
26 27 26 00-0054	EA	Locking 20 Amp, 120/208 Volt Isolated Ground Receptacles	46.21	12.35
26 27 26 00-0055	EA	Locking 20 Amp, 277/480 Volt Isolated Ground Receptacles	38.60	12.35
26 27 26 00-0056	EA	Locking 20 Amp, 347/600 Volt Isolated Ground Receptacles	47.11	12.35
26 27 26 00-0057	EA	Locking 30 Amp, 120/208 Volt Isolated Ground Receptacles	55.41	12.35
26 27 26 00-0058	EA	Locking 30 Amp, 277 Volt Isolated Ground Receptacles	57.78	16.46

26 27 26 00-0059 Explosion Proof Receptacles *(26 27 26 00-0026)*

26 27 26 00-0060	EA	1/2", 20 Amp, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	441.48	20.58
26 27 26 00-0061	EA	3/4", 20 Amp, 2 Watt,, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	415.20	22.63
26 27 26 00-0062	EA	3/4", 30 Amp, 2 Watt, 3 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	682.08	41.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0063	EA	3/4", 30 Amp, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	852.80	41.14
26 27 26 00-0064	EA	1-1/4", 60 Amp, 2 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,084.88	61.72
26 27 26 00-0065	EA	1-1/4", 60 Amp, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,051.09	61.72
26 27 26 00-0066		**Ground Fault Circuit Interrupter (GFCI)** *(26 27 26 00-0026)*		
26 27 26 00-0067	EA	15 Amp Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	21.98	10.28
26 27 26 00-0068	EA	20 Amp Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	33.07	12.35
26 27 26 00-0069		**Locking Receptacle** *(26 27 26 00-0026)*		
26 27 26 00-0070	EA	Locking, 15 Amp, 250 Volt, NEMA L15-15 Power Receptacles, 2 Phase	42.32	10.28
26 27 26 00-0071	EA	Locking, 15 Amp, 250 Volt, NEMA L16-15 Power Receptacles, 2 Phase	43.61	10.28
26 27 26 00-0072	EA	Locking, 20 Amp, 125 Volt, NEMA L5-20 Power Receptacles	33.95	12.35
26 27 26 00-0073	EA	Locking, 20 Amp, 250 Volt, NEMA L6-20 Power Receptacles	34.00	12.35
26 27 26 00-0074	EA	Locking, 20 Amp, 480 Volt, NEMA L8-20 Power Receptacles	35.92	12.35
26 27 26 00-0075	EA	Locking, 20 Amp, 600 Volt, NEMA L9-20 Power Receptacles	40.37	12.35
26 27 26 00-0076	EA	Locking, 20 Amp, 125/250 Volt, NEMA L10-20 Power Receptacles	37.72	12.35
26 27 26 00-0077	EA	Locking, 20 Amp, 125/250 Volt, NEMA L14-20 Power Receptacles	38.39	12.35
26 27 26 00-0078	EA	Locking, 30 Amp, 120 Volt AC, NEMA L5-30 Power Receptacles	43.51	16.46
26 27 26 00-0079	EA	Locking, 30 Amp, 250 Volt AC, NEMA L6-30 Power Receptacles	44.12	16.46
26 27 26 00-0080	EA	Locking, 30 Amp, 250 Volt, NEMA L15-30 Power Receptacles, 3 Phase	50.58	16.46
26 27 26 00-0081		**Hospital Grade Receptacle** *(26 27 26 00-0026)*		
26 27 26 00-0082	EA	15 Amp Heavy Duty Hospital Grade, NEMA 5-15, Duplex Receptacle	32.99	8.23
26 27 26 00-0083	EA	20 Amp Heavy Duty Hospital Grade, NEMA 5-20, Duplex Receptacle	35.57	8.23
26 27 26 00-0084	EA	20 Amp Heavy Duty Hospital Grade, NEMA 5-20, Duplex Receptacle, Isolated Ground	40.45	8.23
26 27 26 00-0085	EA	20 Amp Extra Heavy Duty Hospital Grade, NEMA 5-20, Duplex Receptacle	35.94	8.23
26 27 26 00-0086	EA	20 Amp Extra Heavy Duty Hospital Grade, NEMA 5-20, Duplex Receptacle, Isolated Ground	40.99	8.23
26 27 26 00-0087	EA	20 Amp Non-Magnetic MRI Hospital Grade, NEMA 5-20, Duplex Receptacle	44.90	8.23
26 27 26 00-0088	EA	120 Volt Transient Voltage Surge Suppresser Receptacle Note: Hospital grade receptacle.	88.67	24.69
26 27 26 00-0089		**Pin And Sleeve Receptacle** *(26 27 26 00-0026)*		
26 27 26 00-0090	EA	Pin And Sleeve, 20 Amp, 120/208 Volt Power Receptacles And Box	98.13	20.58
		For Straight Plug, Add	*70.21*	
26 27 26 00-0091	EA	Pin And Sleeve, 20 Amp, 277/480 Volt Power Receptacles And Box	98.13	20.58
		For Straight Plug, Add	*70.21*	
26 27 26 00-0092	EA	Pin And Sleeve, 30 Amp, 120/208 Volt Power Receptacles And Box	119.67	24.69
		For Straight Plug, Add	*103.06*	
26 27 26 00-0093	EA	Pin And Sleeve, 30 Amp, 277/480 Volt Power Receptacles And Box	119.67	24.69
		For Straight Plug, Add	*103.06*	
26 27 26 00-0094	EA	Pin And Sleeve, 60 Amp, 120/208 Volt Power Receptacles And Box	242.06	41.14
		For Straight Plug, Add	*128.99*	
26 27 26 00-0095	EA	Pin And Sleeve, 60 Amp, 277/480 Volt Power Receptacles And Box	242.06	41.14
		For Straight Plug, Add	*128.99*	
26 27 26 00-0096	EA	Pin And Sleeve, 100 Amp, 120/208 Volt Power Receptacles And Box	328.54	51.44
		For Straight Plug, Add	*210.48*	
26 27 26 00-0097	EA	Pin And Sleeve, 100 Amp, 277/480 Volt Power Receptacles And Box	328.54	51.44
		For Straight Plug, Add	*210.48*	
26 27 26 00-0098	EA	Pin And Sleeve, 200 Amp, 120/208 Volt Power Receptacles And Box	489.61	61.72
		For Straight Plug, Add	*317.87*	
26 27 26 00-0099		**Corrosion Resistant Receptacle** *(26 27 26 00-0026)*		
26 27 26 00-0100	EA	15/20 Amp, 125 Volt Corrosion Resistant, Power Receptacles	38.23	8.23
26 27 26 00-0101	EA	15/20 Amp, 250 Volt Corrosion Resistant, Power Receptacles	72.03	10.28
26 27 26 00-0102		**Tamper Resistant Receptacle** *(26 27 26 00-0026)*		
26 27 26 00-0103	EA	15 Amp, 125 Volt Duplex Tamper Resistant Receptacle Note: Pass & Seymour 3232-TR.	19.38	8.23
26 27 26 00-0104	EA	20 Amp, 125 Volt Duplex Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour TR20.	20.88	8.23
26 27 26 00-0105	EA	15 Amp, 125 Volt Single Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour TR5251.	25.18	8.23
26 27 26 00-0106	EA	20 Amp, 125 Volt Single Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour TR5351.	27.20	8.23
26 27 26 00-0107	EA	15 Amp, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Tamper Resistant Receptacle Note: Pass & Seymour S1595-TR*CC8.	39.34	8.23
26 27 26 00-0108	EA	15 Amp, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour 1595-TRS.	42.23	8.23
26 27 26 00-0109	EA	20 Amp, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour 2095-TRS.	44.99	8.23
26 27 26 00-0110		**Television Receptacle** *(26 27 26 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0111	EA	TV Receptacle With Cover (Type F) - Complete	47.31	19.09
26 27 26 00-0112		**Switches** *(26 27 26)*		
26 27 26 00-0113		**Switches** *(26 27 26 00-0112)*		
26 27 26 00-0114		**Switch Assemblies** *(26 27 26 00-0113)*		
		Note: Includes 4" square steel box, bracket, mud ring, switch and cover plate.		
26 27 26 00-0115	EA	1 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly	66.47	28.80
26 27 26 00-0116	EA	1 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly	71.63	31.27
26 27 26 00-0117	EA	2 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly	88.19	37.64
26 27 26 00-0118	EA	2 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly	96.87	41.76
26 27 26 00-0119	EA	3 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly	151.40	64.60
26 27 26 00-0120	EA	3 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly	164.42	70.77
26 27 26 00-0121	EA	4 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly	172.98	73.03
26 27 26 00-0122	EA	4 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly	190.34	81.26
26 27 26 00-0123		**Switch Components** *(26 27 26 00-0113)*		
26 27 26 00-0124	EA	15 Amp, 120/277 Volt, SPST Switch	19.81	8.23
26 27 26 00-0125	EA	15 Amp, 120/277 Volt, 3-Way Switch	24.98	10.28
26 27 26 00-0126	EA	15 Amp, 120/277 Volt, 4-Way Switch	45.67	16.46
26 27 26 00-0127	EA	15 Amp, 120/277 Volt, DPST Switch	21.76	8.23
26 27 26 00-0128	EA	15 Amp, 120/277 Volt, Thermal Switch	37.22	10.28
26 27 26 00-0129	EA	20 Amp, 120/277 Volt, SPST Switch	24.15	10.28
26 27 26 00-0130	EA	20 Amp, 120/277 Volt, 3-Way Switch	29.58	12.35
26 27 26 00-0131	EA	20 Amp, 120/277 Volt, 4-Way Switch	57.26	16.46
26 27 26 00-0132	EA	20 Amp, 120/277 Volt, DPST Switch	27.27	10.28
26 27 26 00-0133	EA	20 Amp, 120/277 Volt, DPDT Switch	28.66	10.28
26 27 26 00-0134	EA	15 Amp, 120/277 Volt, Single Pole, Momentary Contact Switch, Toggle, Three Position, Center Off	46.10	10.30
26 27 26 00-0135	EA	15 Amp, 120/277 Volt, Momentary Contact Switch, Key Operated, Single Pole, Three Position, Center Off	57.52	10.30
26 27 26 00-0136	EA	Momentary Contact Switch With Separate Neon Pilot Note: Neon Pilot is 125 V, 1 / 125W.	44.90	12.37
26 27 26 00-0137	EA	20 Amp, 125 Volt AC, Single Pole, Maintained Contact Switch With Center Off Note: Or 250 VAC 10 Amp, double throw BAT handle.	35.74	14.40
26 27 26 00-0138	EA	20 Amp, 125 Volt AC, Double Pole, Maintained Contact Switch Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.	43.01	16.46
26 27 26 00-0139	EA	20 Amp, 125 Volt AC, Three Pole, Maintained Contact Switch Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.	57.28	16.46
26 27 26 00-0140	EA	30 Amp, 120/277 Volt, Single Pole Local Switch	47.66	16.48
26 27 26 00-0141	EA	30 Amp, 120/277 Volt, Double Pole Local Switch	57.93	16.48
26 27 26 00-0142	EA	30 Amp, 120/277 Volt, Three-Way Local Switch	61.31	20.61
26 27 26 00-0143	EA	30 Amp, 120/277 Volt, Four-Way Local Switch	84.29	22.67
26 27 26 00-0144	EA	15 Amp, 120/277 Volt, Local Switch With Neon Pilot	43.84	13.47
26 27 26 00-0145	EA	15 Amp, 120/277 Volt, Local Switch With Separate Neon Pilot Note: Neon pilot is 125V, 1/25W. Requires 2 gang installation.	59.49	13.47
26 27 26 00-0146	EA	15 Amp, 120 Volt, Single Pole Lighted Toggle Switch, Clear Toggle, Lighted In On Position	52.75	13.47
26 27 26 00-0147	EA	15 Amp, 120 Volt, Lighted Toggle Switch, Ivory Toggle, Lighted In Off Position	50.42	13.47
26 27 26 00-0148	EA	Automatic Door Switch, Door Open-Light On, 6 Amp, 125 Volt	52.24	6.68
26 27 26 00-0149	EA	Automatic Door Switch, Door Closed-Light On, 6 Amp, 125 Volt	55.39	6.68
26 27 26 00-0150	EA	15 Amp, 120/277 Volt, Single Pole Momentary Contact Switch, Three Position, Center Off, Toggle	61.52	25.72
26 27 26 00-0151	EA	Momentary Contact Switch, Three Position, Center Off, Key Operated Note: 15A, 120/277 V, Single Pole	72.94	25.72
26 27 26 00-0152		**Specialty Switches** *(26 27 26 00-0112)*		
26 27 26 00-0153		**Dimmers With SPST Switch** *(26 27 26 00-0152)*		
26 27 26 00-0154	EA	600 Watt Dimmers With SPST Switch	44.27	18.51
26 27 26 00-0155	EA	1,000 Watt Dimmers With SPST Switch	66.85	18.51
26 27 26 00-0156	EA	1,500 Watt Dimmers With SPST Switch	117.93	29.79
26 27 26 00-0157	EA	2,000 Watt Dimmers With SPST Switch	146.74	29.79
26 27 26 00-0158	EA	600 Watt Fluorescent Dimmer Switch	85.43	21.97
26 27 26 00-0159	EA	1,000 Watt Fluorescent Dimmer Switch	110.23	21.97
26 27 26 00-0160	EA	1,500 Watt Fluorescent Dimmer Switch	194.92	33.16
26 27 26 00-0161	EA	Remote Speed Switch For Paddle Fan	70.76	27.40
26 27 26 00-0162	EA	600 Watt Combination Remote Speed Switch/Incandescent Dimmer	113.70	40.90
26 27 26 00-0163		**Time Switches** *(26 27 26 00-0152)*		
26 27 26 00-0164	EA	40 Amp, SPST, 125 Volt, Standard Time Switch	75.45	24.69
26 27 26 00-0165	EA	40 Amp, SPST, 277 Volt, Standard Time Switch	76.76	24.69
26 27 26 00-0166	EA	40 Amp, DPST, 125 Volt, Standard Time Switch	75.45	24.69
26 27 26 00-0167	EA	40 Amp, DPST, 277 Volt, Standard Time Switch	76.76	24.69
26 27 26 00-0168	EA	40 Amp, SPST, 125 Volt, 7-Day Time Switch	84.15	24.69
26 27 26 00-0169	EA	40 Amp, SPST, 277 Volt, 7-Day Time Switch	84.15	24.69
26 27 26 00-0170	EA	40 Amp, DPDT, 125 Volt, 7-Day Time Switch	135.45	24.69
26 27 26 00-0171	EA	40 Amp, DPDT, 277 Volt, 7-Day Time Switch	135.45	24.69
26 27 26 00-0172	EA	20 Amp, SPST, 125 Volt, Programmable Time Switch	118.99	24.69
26 27 26 00-0173	EA	20 Amp, SPST, 277 Volt, Programmable Time Switch	129.04	24.69
26 27 26 00-0174	EA	20 Amp, SPST, 277 Volt, Programmable Time Switch - Weatherproof	129.04	24.69

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0175	EA	40 Amp, 4PST, 125 Volt, Astro Dial Time Switch	152.79	24.69
26 27 26 00-0176	EA	40 Amp, 4PST, 277 Volt, Astro Dial Time Switch	156.79	24.69
26 27 26 00-0177	EA	40 Amp, SPST, 125 Volt, Standard Time Switch - Weatherproof	75.45	24.69
26 27 26 00-0178	EA	40 Amp, SPST, 277 Volt, Standard Time Switch - Weatherproof	76.76	24.69
26 27 26 00-0179	EA	40 Amp, DPST, 125 Volt, Standard Time Switch - Weatherproof	75.45	24.69
26 27 26 00-0180	EA	40 Amp, DPST, 277 Volt, Standard Time Switch - Weatherproof	76.76	24.69
26 27 26 00-0181	EA	40 Amp, SPST, 125 Volt, 7-Day Time Switch - Weatherproof	84.15	24.69
26 27 26 00-0182	EA	40 Amp, SPST, 277 Volt, 7-Day Time Switch - Weatherproof	84.15	24.69
26 27 26 00-0183	EA	40 Amp, DPDT, 125 Volt, 7-Day Time Switch - Weatherproof	135.45	24.69
26 27 26 00-0184	EA	40 Amp, DPDT, 277 Volt, 7-Day Time Switch - Weatherproof	135.45	24.69
26 27 26 00-0185	EA	40 Amp, 4PST, 125 Volt, Astro Dial Time Switch - Weatherproof	152.79	24.69
26 27 26 00-0186	EA	40 Amp, 4PST, 277 Volt, Astro Dial Time Switch - Weatherproof	156.79	24.69
26 27 26 00-0187		Low Voltage Switching *(26 27 26 00-0152)*		
26 27 26 00-0188	EA	36 Pin Male Or Female Connector	100.79	8.23
26 27 26 00-0189		Other Switches *(26 27 26 00-0152)*		
26 27 26 00-0190	EA	Pull Chain Switch 120/277 Volt AC Installed In Light Fixture	26.31	12.35
26 27 26 00-0191	EA	Locking Switch, SPST Concealed Devices	77.02	32.91
26 27 26 00-0192	EA	Locking Switch, 3-Way Concealed Devices	77.75	32.91
26 27 26 00-0193	EA	Emergency Off Switch, With 1 Non-Closing Contact, Circular, Red, With Guard	81.45	30.78
26 27 26 00-0194	EA	15 Amp Momentary Contact Switch	78.60	30.78
26 27 26 00-0195	EA	20 Amp Momentary Contact Switch	81.60	30.78
26 27 26 00-0196	EA	2-1/4" Handy Box Cover Units Fuseholder Switch	82.54	37.10
26 27 26 00-0197	EA	2-3/4" Handy Box Cover Units Fuseholder Switch	83.37	37.10
26 27 26 00-0198	EA	4" Square Box Cover Units With 2 Fuseholders And 2 Switches	102.37	45.34
26 27 26 00-0199	EA	4" Square Box Cover Units With 1 Fuseholder And 1 Switch	93.08	41.21
26 27 26 00-0200	EA	4" Octagon Box Cover Units With 1 Fuseholder And 1 Switch	93.29	41.21
26 27 26 00-0201		Plates And Covers *(26 27 26)*		
26 27 26 00-0202		Wall Plates *(26 27 26 00-0201)*		
26 27 26 00-0203		Nylon Wall Plates *(26 27 26 00-0202)*		
26 27 26 00-0204	EA	1 Gang Nylon Switch Plate	1.19	0.41
26 27 26 00-0205	EA	2 Gang Nylon Switch Plate	1.98	0.62
26 27 26 00-0206	EA	3 Gang Nylon Switch Plate	2.80	0.82
26 27 26 00-0207	EA	4 Gang Nylon Switch Plate	3.96	1.03
26 27 26 00-0208	EA	1 Gang Duplex Nylon Wall Plate	1.20	0.41
26 27 26 00-0209	EA	2 Gang Duplex Nylon Wall Plate	2.02	0.62
26 27 26 00-0210		Plastic Wall Plates *(26 27 26 00-0202)*		
26 27 26 00-0211	EA	1 Gang Plastic Switch Plate	1.12	0.41
26 27 26 00-0212	EA	2 Gang Plastic Switch Plate	1.83	0.62
26 27 26 00-0213	EA	3 Gang Plastic Switch Plate	2.56	0.82
26 27 26 00-0214	EA	4 Gang Plastic Switch Plate	3.96	1.03
26 27 26 00-0215	EA	1 Gang Duplex Plastic Wall Plate	1.12	0.41
26 27 26 00-0216	EA	2 Gang Duplex Plastic Wall Plate	1.84	0.62
26 27 26 00-0217		Brass Wall Plates *(26 27 26 00-0202)*		
26 27 26 00-0218	EA	1 Gang 0.04" Brass Switch Plate	10.75	1.86
26 27 26 00-0219	EA	2 Gang 0.04" Brass Switch Plate	19.58	2.14
26 27 26 00-0220	EA	3 Gang 0.04" Brass Switch Plate	28.32	2.39
26 27 26 00-0221	EA	4 Gang 0.04" Brass Switch Plate	43.57	2.60
26 27 26 00-0222	EA	5 Gang 0.04" Brass Switch Plate	52.89	2.76
26 27 26 00-0223	EA	6 Gang 0.04" Brass Switch Plate	61.09	2.88
26 27 26 00-0224	EA	1 Gang 0.04" Brass Duplex Receptacle Wall Plate	10.75	1.86
26 27 26 00-0225	EA	2 Gang 0.04" Brass Duplex Receptacle Wall Plate	22.79	2.14
26 27 26 00-0226	EA	3 Gang 0.04" Brass Duplex Receptacle Wall Plate	32.55	2.39
26 27 26 00-0227		Stainless Steel Wall Plates *(26 27 26 00-0202)*		
26 27 26 00-0228	EA	1 Gang, 302 Stainless Steel Switch Plate With Satin Finish	6.11	1.86
26 27 26 00-0229	EA	2 Gang, 302 Stainless Steel Switch Plate With Satin Finish	9.46	2.14
26 27 26 00-0230	EA	3 Gang, 302 Stainless Steel Switch Plate With Satin Finish	12.95	2.39
26 27 26 00-0231	EA	4 Gang, 302 Stainless Steel Switch Plate With Satin Finish	18.61	2.60
26 27 26 00-0232	EA	5 Gang, 302 Stainless Steel Switch Plate With Satin Finish	21.79	2.76
26 27 26 00-0233	EA	6 Gang, 302 Stainless Steel Switch Plate With Satin Finish	26.16	2.88
26 27 26 00-0234	EA	1 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish	6.62	1.86
26 27 26 00-0235	EA	2 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish	10.66	2.14
26 27 26 00-0236	EA	3 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish	16.92	2.39
26 27 26 00-0237	EA	4 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish	20.33	2.60
26 27 26 00-0238		Chrome Wall Plates *(26 27 26 00-0202)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0239	EA	1 Gang 0.040" Chrome Switch Plate With Chromium Finish	20.72	1.86
26 27 26 00-0240	EA	2 Gang 0.040" Chrome Switch Plate With Chromium Finish	38.26	2.14
26 27 26 00-0241	EA	3 Gang 0.040" Chrome Switch Plate With Chromium Finish	55.75	2.39
26 27 26 00-0242	EA	1 Gang 0.040" Chrome Duplex Receptacle Wall Plate With Chromium Finish	20.70	1.86

26 27 26 00-0243 Weatherproof Covers *(26 27 26 00-0201)*

26 27 26 00-0244 Stamped Metallic Weatherproof Covers *(26 27 26 00-0243)*

Note: Includes electrostatically applied powder coating and neoprene gasket.

26 27 26 00-0245	EA	Blank Cover, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FBC)	8.18	0.41
26 27 26 00-0246	EA	Duplex Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FAC)	8.86	0.41
26 27 26 00-0247	EA	Single Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FRC)	8.86	0.41
26 27 26 00-0248	EA	Toggle Switch, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FTC)	8.86	0.41
26 27 26 00-0249	EA	Blank Cover, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FBC)	10.87	0.62
26 27 26 00-0250	EA	Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FAC)	12.34	0.62
26 27 26 00-0251	EA	Single Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FRC)	12.49	0.62
26 27 26 00-0252	EA	Toggle Switch, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTC)	12.49	0.62
26 27 26 00-0253	EA	Toggle Switch And Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTAC)	16.97	0.62
26 27 26 00-0254	EA	Blank Cover, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FB)	16.09	0.82
26 27 26 00-0255	EA	Toggle Switch, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FT)	17.59	0.82

26 27 26 00-0256 Cast Metallic Weatherproof Covers *(26 27 26 00-0243)*

Note: Includes electrostatically applied powder coating and neoprene gasket.

26 27 26 00-0257	EA	Blank Cover, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSBC)	10.01	0.41
26 27 26 00-0258	EA	Duplex Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLA)	31.95	0.41
26 27 26 00-0259	EA	Single Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLR)	35.83	0.41
26 27 26 00-0260	EA	Guarded Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSTG)	9.94	0.41
26 27 26 00-0261	EA	Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLT)	27.09	0.41
26 27 26 00-0262	EA	Lever Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSPT)	45.05	0.41
26 27 26 00-0263	EA	Plunger Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FST)	57.36	0.41
26 27 26 00-0264	EA	Blank Cover, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FSBC)	12.49	0.62
26 27 26 00-0265	EA	Plunger Operated Toggle Switch, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FST)	90.60	0.62
26 27 26 00-0266	EA	Blank Cover, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FSBC)	20.91	0.82
26 27 26 00-0267	EA	Plunger Operated Toggle Switch, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FST)	86.57	0.82

26 27 26 00-0268 Die Cast Aluminum Weatherproof Covers *(26 27 26 00-0243)*

Note: Includes electrostatically applied powder coating and neoprene gasket.

26 27 26 00-0269	EA	Duplex Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5027)	3.51	0.41
26 27 26 00-0270	EA	Single Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5026)	4.50	0.41
26 27 26 00-0271	EA	Duplex Receptacles, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5032)	6.04	0.62
26 27 26 00-0272	EA	Toggle Switch, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5041)	6.55	0.62
26 27 26 00-0273	EA	Toggle Switch And Duplex Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5042)	6.55	0.62
26 27 26 00-0274	EA	Toggle Switch And Single Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5043)	7.29	0.62

26 27 26 00-0275 Heavy Duty Die Cast Aluminum Weatherproof Covers *(26 27 26 00-0243)*

Note: Includes baked on lacquer finish and neoprene gasket.

26 27 26 00-0276	EA	Duplex Receptacle, Single Gang, Heavy Duty Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Pass & Seymour Legrand® 4510)	35.57	0.41

26 27 26 00-0277 Polycarbonate Weatherproof Covers *(26 27 26 00-0243)*

Note: Includes neoprene gasket.

26 27 26 00-0278	EA	Toggle Switch, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	7.19	0.41
26 27 26 00-0279	EA	Duplex Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	7.19	0.41
26 27 26 00-0280	EA	Single Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	7.19	0.41
26 27 26 00-0281	EA	Duplex Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775)	8.90	0.62
26 27 26 00-0282	EA	Toggle Switch And Single Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775)	8.90	0.62

26 27 26 00-0283 High Impact Thermoplastic Weatherproof Covers *(26 27 26 00-0243)*

Note: Includes neoprene gasket.

26 27 26 00-0284	EA	Duplex Receptacle, Single Gang, High Impact Thermoplastic Weatherproof Cover With Self Closing Lid (Hubbell® HBL522)	46.10	0.41

26 27 26 00-0285 Non Metallic (PVC) Weatherproof Covers *(26 27 26 00-0243)*

Note: Includes neoprene gasket.

26 27 26 00-0286	EA	Blank Cover, Single Gang, Non Metallic (PVC) Weatherproof Cover	727.40	0.41
26 27 26 00-0287	EA	Blank Cover, Two Gang, Non Metallic (PVC) Weatherproof Cover	749.37	0.62
26 27 26 00-0288	EA	Toggle Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover	730.00	0.41
26 27 26 00-0289	EA	Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover	1,698.41	0.41
26 27 26 00-0290	EA	Duplex Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover	1,980.75	0.41
26 27 26 00-0291	EA	20 Amp Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover	1,591.51	0.41
26 27 26 00-0292	EA	30 Amp Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover	1,166.95	0.41
26 27 26 00-0293	EA	50 Amp Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover	1,378.41	0.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0294	EA	Plunger Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover	1,224.53	0.41
26 27 26 00-0295	EA	Double Duplex Receptacle, Two Gang, Non Metallic (PVC) Weatherproof Cover	1,758.85	0.62
26 27 26 00-0296		Removal And Reinstallation Of Wiring Devices *(26 27 26)*		
		Note: Includes storage and cleaning.		
26 27 26 00-0297	EA	Remove And Reinstall Receptacle, Switch, Outlet Or Special System Device	54.14	
26 27 26 00-0298	EA	Remove And Reinstall Receptacle Or Switch Outlet Cover Plate	6.86	
26 27 26 00-0299		Relay Systems *(26 27 26)*		
26 27 26 00-0300	EA	Relay 2 Position, 10 Amp, 24 Volt Coil	57.43	18.51
26 27 26 00-0301	EA	Industrial Control Relay 20 Amp, 120 Volt Coil Up To 4 Contacts	233.50	61.72
26 27 26 00-0302	EA	Industrial Control Relay 20 Amp, 120 Volt Coil 12 Contacts	384.88	82.30
26 27 26 00-0303		Limit Switches *(26 27 26)*		
26 27 26 00-0304		Heavy Duty Precision Oiltight *(26 27 26 00-0303)*		
26 27 26 00-0305		Lever Arm, Plunger, Wobble Stick Type *(26 27 26 00-0304)*		
26 27 26 00-0306	EA	Limit Switch, Heavy Duty, Lever Arm Weatherproof, 10 Amp Rated	268.31	51.85
26 27 26 00-0307		In Line Midget Fuseholders *(26 27 26)*		
		See CSI section 26 28 13 00-0078 for fuses.		
26 27 26 00-0308	EA	Single Pole Water Resistant In Line Midget Fuseholder	53.53	
26 27 26 00-0309	EA	Double Pole Water Resistant In Line Midget Fuseholder	113.84	
26 27 73		**Door Chimes** *(26 27)*		
26 27 73 00-0001		Door Chimes *(26 27 73)*		
26 27 73 00-0002	EA	Door Bell, Push-button And Transformer - Complete	413.35	171.42
26 27 73 00-0003	EA	Visual Flashing Doorbell Indicator, Wire To Existing System - Complete	148.46	41.14
26 27 73 00-0004	EA	Replacement Bell/Buzzer - Complete	62.88	20.58
		Note: Includes removal of existing.		

26 28 Low-Voltage Circuit Protective Devices *(26 20)*

26 28 13 Fuses *(26 28)*

26 28 13 00-0001		125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuses *(26 28 13)*		
26 28 13 00-0002	EA	1 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	17.34	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	
26 28 13 00-0003	EA	2 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	17.01	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	
26 28 13 00-0004	EA	3 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	16.55	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	
26 28 13 00-0005	EA	5 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	16.49	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	
26 28 13 00-0006	EA	6 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	16.91	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	
26 28 13 00-0007	EA	8 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	16.09	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	
26 28 13 00-0008	EA	10 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	15.89	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	
26 28 13 00-0009	EA	15 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	14.29	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	
26 28 13 00-0010	EA	20 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	14.04	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	
26 28 13 00-0011	EA	25 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	14.51	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	
26 28 13 00-0012	EA	30 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	14.18	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	
26 28 13 00-0013		Class RK1, Time Delay Fuses *(26 28 13)*		
26 28 13 00-0014		250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses *(26 28 13 00-0013)*		
26 28 13 00-0015	EA	1 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	25.24	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	
26 28 13 00-0016	EA	2 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	23.79	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	
26 28 13 00-0017	EA	3 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	24.80	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	
26 28 13 00-0018	EA	4 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	24.67	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	
26 28 13 00-0019	EA	5 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	23.66	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0020	EA	10 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	23.05	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	
26 28 13 00-0021	EA	15 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	21.44	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	
26 28 13 00-0022	EA	20 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	21.32	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	
26 28 13 00-0023	EA	25 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	21.45	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	
26 28 13 00-0024	EA	30 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	21.29	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	
26 28 13 00-0025	EA	35 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	28.13	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	
26 28 13 00-0026	EA	40 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	27.65	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	
26 28 13 00-0027	EA	45 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	28.01	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	
26 28 13 00-0028	EA	50 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	27.71	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	
26 28 13 00-0029	EA	60 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	27.27	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	
26 28 13 00-0030		250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuses *(26 28 13 00-0013)*		
26 28 13 00-0031	EA	70 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	48.74	7.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 28 13 00-0032	EA	80 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	48.50	7.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 28 13 00-0033	EA	90 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	53.42	7.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 28 13 00-0034	EA	100 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	48.12	7.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 28 13 00-0035	EA	110 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	129.05	7.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 28 13 00-0036	EA	125 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	95.54	7.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 28 13 00-0037	EA	150 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	88.53	8.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.43*	
26 28 13 00-0038	EA	200 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	93.00	8.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.43*	
26 28 13 00-0039	EA	250 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	170.10	8.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.43*	
26 28 13 00-0040	EA	300 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	183.74	10.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.67*	
26 28 13 00-0041	EA	350 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	197.09	10.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.67*	
26 28 13 00-0042	EA	400 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	153.29	10.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.67*	
26 28 13 00-0043	EA	450 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	334.00	10.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.67*	
26 28 13 00-0044	EA	500 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	317.74	12.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.15*	
26 28 13 00-0045	EA	600 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	249.44	12.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.15*	
26 28 13 00-0046		600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses *(26 28 13 00-0013)*		
26 28 13 00-0047	EA	1 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	37.22	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	
26 28 13 00-0048	EA	2 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	34.90	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	
26 28 13 00-0049	EA	3 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	32.96	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	
26 28 13 00-0050	EA	4 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	33.60	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	
26 28 13 00-0051	EA	5 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	33.05	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	
26 28 13 00-0052	EA	10 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	33.25	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	
26 28 13 00-0053	EA	15 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	31.13	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	
26 28 13 00-0054	EA	20 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	30.92	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	
26 28 13 00-0055	EA	25 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	30.64	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	
26 28 13 00-0056	EA	30 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	31.05	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	
26 28 13 00-0057	EA	35 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	43.61	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	
26 28 13 00-0058	EA	40 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	43.71	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	
26 28 13 00-0059	EA	45 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	42.92	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0060	EA	50 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	43.29	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	
26 28 13 00-0061	EA	60 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	43.62	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	

26 28 13 00-0062 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuses *(26 28 13 00-0013)*

26 28 13 00-0063	EA	70 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	79.74	7.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 28 13 00-0064	EA	80 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	82.01	8.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.43*	
26 28 13 00-0065	EA	90 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	81.59	8.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.43*	
26 28 13 00-0066	EA	100 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	81.92	8.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.43*	
26 28 13 00-0067	EA	110 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	146.26	8.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.43*	
26 28 13 00-0068	EA	125 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	148.39	8.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.43*	
26 28 13 00-0069	EA	150 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	147.63	10.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.67*	
26 28 13 00-0070	EA	200 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	147.28	10.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.67*	
26 28 13 00-0071	EA	250 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	275.50	10.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.67*	
26 28 13 00-0072	EA	300 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	278.45	12.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.15*	
26 28 13 00-0073	EA	350 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	313.09	12.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.15*	
26 28 13 00-0074	EA	400 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	284.34	12.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.15*	
26 28 13 00-0075	EA	450 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	505.02	12.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.15*	
26 28 13 00-0076	EA	500 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	452.18	14.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.87*	
26 28 13 00-0077	EA	600 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	395.50	14.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.87*	

26 28 13 00-0078 600 Volt AC, Class CC Midget Fuses *(26 28 13)*

Note: 250/300 Volt DC.

26 28 13 00-0079	EA	1 Amp, 600 Volt AC, Class CC Midget Fuse	28.55	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	
26 28 13 00-0080	EA	2 Amp, 600 Volt AC, Class CC Midget Fuse	28.94	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	
26 28 13 00-0081	EA	3 Amp, 600 Volt AC, Class CC Midget Fuse	28.83	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	
26 28 13 00-0082	EA	5 Amp, 600 Volt AC, Class CC Midget Fuse	28.71	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	
26 28 13 00-0083	EA	6 Amp, 600 Volt AC, Class CC Midget Fuse	30.52	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	
26 28 13 00-0084	EA	8 Amp, 600 Volt AC, Class CC Midget Fuse	27.61	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	
26 28 13 00-0085	EA	10 Amp, 600 Volt AC, Class CC Midget Fuse	31.03	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	
26 28 13 00-0086	EA	15 Amp, 600 Volt AC, Class CC Midget Fuse	28.72	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	
26 28 13 00-0087	EA	20 Amp, 600 Volt AC, Class CC Midget Fuse	28.24	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	
26 28 13 00-0088	EA	25 Amp, 600 Volt AC, Class CC Midget Fuse	27.15	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	
26 28 13 00-0089	EA	30 Amp, 600 Volt AC, Class CC Midget Fuse	28.08	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	

26 28 13 00-0090 200,000 Ampere Interrupting Capacity, 600 Volt AC, Class J Bolted Fuse *(26 28 13)*

26 28 13 00-0091	EA	1 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	34.62	4.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.47*	
26 28 13 00-0092	EA	3 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	34.87	4.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.47*	
26 28 13 00-0093	EA	6 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	30.76	4.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.96*	
26 28 13 00-0094	EA	10 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	31.22	6.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 28 13 00-0095	EA	15 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	31.82	6.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 28 13 00-0096	EA	20 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	31.28	6.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 28 13 00-0097	EA	25 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	40.02	8.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 28 13 00-0098	EA	30 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	33.97	8.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0099	EA	35 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	56.56	8.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 28 13 00-0100	EA	40 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	48.78	8.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 28 13 00-0101	EA	45 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	55.37	8.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 28 13 00-0102	EA	50 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	50.54	10.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.17*	
26 28 13 00-0103	EA	60 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	49.70	10.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.17*	
26 28 13 00-0104	EA	70 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	75.49	12.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.41*	
26 28 13 00-0105	EA	80 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	80.11	12.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.41*	
26 28 13 00-0106	EA	90 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	78.93	12.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.41*	
26 28 13 00-0107	EA	100 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	70.79	14.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.64*	
26 28 13 00-0108	EA	110 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	156.96	14.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.64*	
26 28 13 00-0109	EA	125 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	134.37	14.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.64*	
26 28 13 00-0110	EA	150 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	129.38	16.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.88*	
26 28 13 00-0111	EA	175 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	131.17	16.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.88*	
26 28 13 00-0112	EA	200 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	110.17	16.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.88*	
26 28 13 00-0113	EA	225 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	267.26	16.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.88*	
26 28 13 00-0114	EA	250 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	247.65	16.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.88*	
26 28 13 00-0115	EA	300 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	228.79	16.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.88*	
26 28 13 00-0116	EA	350 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	248.86	16.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.88*	
26 28 13 00-0117	EA	400 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	207.69	18.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.11*	
26 28 13 00-0118	EA	450 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	431.71	18.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.11*	
26 28 13 00-0119	EA	500 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	368.63	20.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.35*	
26 28 13 00-0120	EA	600 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	276.60	20.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.35*	

26 28 13 00-0121 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuses *(26 28 13)*

26 28 13 00-0122	EA	100 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	814.56	10.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.17*	
26 28 13 00-0123	EA	150 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	816.16	10.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.17*	
26 28 13 00-0124	EA	200 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	817.65	10.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.17*	
26 28 13 00-0125	EA	250 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	816.04	12.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.41*	
26 28 13 00-0126	EA	300 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	752.03	12.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.41*	
26 28 13 00-0127	EA	350 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	805.26	14.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.64*	
26 28 13 00-0128	EA	400 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	741.72	14.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.64*	
26 28 13 00-0129	EA	450 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	828.74	14.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.64*	
26 28 13 00-0130	EA	500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	812.70	14.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.64*	
26 28 13 00-0131	EA	600 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	724.65	16.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.87*	
26 28 13 00-0132	EA	601 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	743.93	16.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.87*	
26 28 13 00-0133	EA	650 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	986.33	16.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.87*	
26 28 13 00-0134	EA	700 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	721.15	16.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.87*	
26 28 13 00-0135	EA	750 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,103.97	18.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.11*	
26 28 13 00-0136	EA	800 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	639.85	18.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.11*	
26 28 13 00-0137	EA	900 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	930.05	18.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.11*	
26 28 13 00-0138	EA	1,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	629.25	18.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.11*	
26 28 13 00-0139	EA	1,200 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	647.69	18.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0140	EA	1,350 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,428.33	18.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.11*	
26 28 13 00-0141	EA	1,400 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,408.40	18.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.11*	
26 28 13 00-0142	EA	1,500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,271.62	18.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.11*	
26 28 13 00-0143	EA	1,600 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	799.07	20.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.34*	
26 28 13 00-0144	EA	1,800 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,681.71	20.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.34*	
26 28 13 00-0145	EA	2,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,080.41	20.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.34*	
26 28 13 00-0146	EA	2,500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,456.83	20.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.34*	
26 28 13 00-0147	EA	2,501 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,474.35	20.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.34*	
26 28 13 00-0148	EA	3,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,623.91	22.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.58*	
26 28 13 00-0149	EA	3,500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	3,345.76	22.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.58*	
26 28 13 00-0150	EA	3,800 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	3,880.37	22.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.58*	
26 28 13 00-0151	EA	4,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,248.71	22.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.58*	
26 28 13 00-0152	EA	5,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	3,542.06	22.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.58*	
26 28 13 00-0153	EA	6,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	5,855.85	22.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.58*	

26 28 16 Enclosed Switches And Circuit Breakers *(26 28)*

26 28 16 00-0001 Motor And Circuit Disconnects *(26 28 16)*

Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the disconnect.

26 28 16 00-0002 Safety Switches, NEMA 1 Enclosure, Neutral Kit *(26 28 16 00-0001)*

26 28 16 00-0003 Heavy Duty Fusible Switches *(26 28 16 00-0002)*

Note: Includes fuses and neutral bar.

26 28 16 00-0004 240 Volt Class, 2 Wire, 2 Blades And Fuseholders *(26 28 16 00-0003)*

26 28 16 00-0005	EA	30 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	286.19	82.30
26 28 16 00-0006	EA	60 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	441.55	99.16
26 28 16 00-0007	EA	100 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	601.32	116.03
26 28 16 00-0008	EA	200 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	1,031.17	182.69
26 28 16 00-0009	EA	400 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	2,164.10	283.91
26 28 16 00-0010	EA	600 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	3,599.01	419.69
26 28 16 00-0011	EA	800 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	4,888.26	493.75
26 28 16 00-0012	EA	1,200 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	6,539.34	576.05

26 28 16 00-0013 600 Volt Class, 2 Wire, 2 Blades And Fuseholders *(26 28 16 00-0003)*

26 28 16 00-0014	EA	30 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	426.32	91.43
26 28 16 00-0015	EA	60 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	514.32	110.19
26 28 16 00-0016	EA	100 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	805.24	128.79
26 28 16 00-0017	EA	200 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	1,194.14	203.26
26 28 16 00-0018	EA	400 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	2,570.60	315.34
26 28 16 00-0019	EA	600 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	4,000.23	466.10
26 28 16 00-0020	EA	800 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	5,876.91	548.32
26 28 16 00-0021	EA	1,200 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	7,999.29	640.07

26 28 16 00-0022 240 Volt Class, 3 Wire, 2 Blades And Fuseholders *(26 28 16 00-0003)*

26 28 16 00-0023	EA	30 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase	410.52	129.20
26 28 16 00-0024	EA	60 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase	599.65	171.58
26 28 16 00-0025	EA	100 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase	796.35	190.51
26 28 16 00-0026	EA	200 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase	1,258.85	298.31
26 28 16 00-0027	EA	400 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase	2,579.36	489.64
26 28 16 00-0028	EA	600 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase	4,164.90	685.91

26 28 16 00-0029 600 Volt Class, 3 Wire, 3 Blades And Fuseholders *(26 28 16 00-0003)*

26 28 16 00-0030	EA	30 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	529.18	142.78
26 28 16 00-0031	EA	60 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	675.03	190.51
26 28 16 00-0032	EA	100 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	976.37	214.37
26 28 16 00-0033	EA	200 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	1,440.66	326.70
26 28 16 00-0034	EA	400 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	3,153.69	527.49
26 28 16 00-0035	EA	600 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	5,051.01	762.03
26 28 16 00-0036	EA	800 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	7,952.99	905.21
26 28 16 00-0037	EA	1,200 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	10,130.76	1,028.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0038		**240 Volt Class, 4 Wire, 3 Blades And Fuseholders** *(26 28 16 00-0003)*		
26 28 16 00-0039	EA	30 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase	398.84	129.20
26 28 16 00-0040	EA	60 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase	584.56	171.58
26 28 16 00-0041	EA	100 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase	768.89	190.51
26 28 16 00-0042	EA	200 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase	1,296.62	298.31
26 28 16 00-0043	EA	400 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase	2,792.18	489.64
26 28 16 00-0044	EA	600 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase	4,485.09	685.91
26 28 16 00-0045	EA	800 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase	7,348.72	864.07
26 28 16 00-0046	EA	1,200 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase	9,040.42	987.51
26 28 16 00-0047		**600 Volt Class, 4 Wire, 3 Blades And Fuseholders** *(26 28 16 00-0003)*		
26 28 16 00-0048	EA	30 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	572.03	142.78
26 28 16 00-0049	EA	60 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	727.69	190.51
26 28 16 00-0050	EA	100 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	1,053.37	214.37
26 28 16 00-0051	EA	200 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	1,555.93	326.70
26 28 16 00-0052	EA	400 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	3,399.62	527.49
26 28 16 00-0053	EA	600 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	5,485.37	762.03
26 28 16 00-0054	EA	800 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	8,674.13	905.21
26 28 16 00-0055	EA	1,200 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	10,909.74	1,028.65
26 28 16 00-0056		**Heavy Duty Non-Fusible Switches** *(26 28 16 00-0002)*		
26 28 16 00-0057		**240 Volt Class, 2 Wire, 2 Blades** *(26 28 16 00-0056)*		
26 28 16 00-0058	EA	30 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	278.80	119.08
26 28 16 00-0059	EA	60 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	429.38	165.65
26 28 16 00-0060	EA	100 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	584.48	190.51
26 28 16 00-0061	EA	200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	916.77	304.81
26 28 16 00-0062	EA	400 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	1,828.99	507.98
26 28 16 00-0063	EA	600 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	2,963.87	692.73
26 28 16 00-0064	EA	800 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	4,202.95	822.92
26 28 16 00-0065	EA	1,200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	5,525.64	960.43
26 28 16 00-0066		**600 Volt Class, 2 Wire, 2 Blades** *(26 28 16 00-0056)*		
26 28 16 00-0067	EA	30 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	307.93	131.42
26 28 16 00-0068	EA	60 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	485.88	185.90
26 28 16 00-0069	EA	100 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	659.92	211.66
26 28 16 00-0070	EA	200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	1,024.68	331.31
26 28 16 00-0071	EA	400 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	1,967.70	544.28
26 28 16 00-0072	EA	600 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	3,277.85	761.95
26 28 16 00-0073	EA	800 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	4,643.77	822.92
26 28 16 00-0074	EA	1,200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	6,129.33	960.43
26 28 16 00-0075		**240 Volt Class, 3 Wire, 3 Blades** *(26 28 16 00-0056)*		
26 28 16 00-0076	EA	30 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	328.52	106.98
26 28 16 00-0077	EA	60 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	498.54	148.95
26 28 16 00-0078	EA	100 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	664.01	171.58
26 28 16 00-0079	EA	200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	1,044.67	274.45
26 28 16 00-0080	EA	400 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	2,065.06	457.13
26 28 16 00-0081	EA	600 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	3,296.31	623.36
26 28 16 00-0082	EA	800 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	5,576.81	740.63
26 28 16 00-0083	EA	1,200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	7,238.23	864.07
26 28 16 00-0084		**480 Volt Class, 3 Wire, 3 Blades** *(26 28 16 00-0056)*		
26 28 16 00-0085	EA	30 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase	358.80	118.09
26 28 16 00-0086	EA	60 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase	549.20	167.47
26 28 16 00-0087	EA	100 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase	725.04	190.51
26 28 16 00-0088	EA	200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase	1,127.80	298.31
26 28 16 00-0089	EA	400 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase	2,212.56	489.64
26 28 16 00-0090	EA	600 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase	3,567.39	685.91
26 28 16 00-0091	EA	800 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase	5,868.28	740.63
26 28 16 00-0092		**600 Volt Class, 3 Wire, 3 Blades** *(26 28 16 00-0056)*		
26 28 16 00-0093	EA	30 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	380.55	118.26
26 28 16 00-0094	EA	60 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	586.28	167.30
26 28 16 00-0095	EA	100 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	785.35	190.51
26 28 16 00-0096	EA	200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	1,220.69	298.14
26 28 16 00-0097	EA	400 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	2,342.50	489.80
26 28 16 00-0098	EA	600 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	3,951.96	685.75
26 28 16 00-0099	EA	800 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	6,307.47	740.63
26 28 16 00-0100	EA	1,200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	8,221.83	864.07
26 28 16 00-0101		**240 Volt Class, 4 Wire, 4 Blades** *(26 28 16 00-0056)*		

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0102	EA	30 Amp, Non-Fused , NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	537.38	107.14
26 28 16 00-0103	EA	60 Amp, Non-Fused , NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	655.18	149.12
26 28 16 00-0104	EA	100 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	987.09	171.42
26 28 16 00-0105	EA	200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	1,486.54	274.28
26 28 16 00-0106		**480 Volt Class, 4 Wire, 4 Blades** *(26 28 16 00-0056)*		
26 28 16 00-0107	EA	30 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase	582.64	118.09
26 28 16 00-0108	EA	60 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase	717.06	167.47
26 28 16 00-0109	EA	100 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase	1,071.22	190.51
26 28 16 00-0110	EA	200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase	1,601.25	298.31
26 28 16 00-0111		**600 Volt Class, 4 Wire, 4 Blades** *(26 28 16 00-0056)*		
26 28 16 00-0112	EA	30 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	643.17	118.26
26 28 16 00-0113	EA	60 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	783.82	167.30
26 28 16 00-0114	EA	100 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	1,191.27	190.51
26 28 16 00-0115	EA	200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	1,776.13	298.14
26 28 16 00-0116		**General Duty Fusible Switches** *(26 28 16 00-0002)* Note: Includes fuses and neutral bar.		
26 28 16 00-0117		**240 Volt Class, 2 Wire, 1 Blade And Fuseholder** *(26 28 16 00-0116)*		
26 28 16 00-0118	EA	30 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	202.99	71.59
26 28 16 00-0119	EA	60 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	273.24	86.16
26 28 16 00-0120	EA	100 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	410.62	100.73
26 28 16 00-0121	EA	200 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	751.68	158.91
26 28 16 00-0122	EA	400 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	1,747.84	246.47
26 28 16 00-0123	EA	600 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	3,239.46	364.80
26 28 16 00-0124		**240 Volt Class, 3 Wire, 2 Blades And Fuseholders** *(26 28 16 00-0116)*		
26 28 16 00-0125	EA	30 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase	284.66	112.49
26 28 16 00-0126	EA	60 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase	398.86	149.12
26 28 16 00-0127	EA	100 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase	540.45	165.65
26 28 16 00-0128	EA	200 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase	953.19	259.30
26 28 16 00-0129	EA	400 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase	2,108.39	425.94
26 28 16 00-0130	EA	600 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase	3,705.64	596.29
26 28 16 00-0131		**240 Volt Class, 4 Wire, 3 Blades And Fuseholders** *(26 28 16 00-0116)*		
26 28 16 00-0132	EA	30 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase	312.90	112.49
26 28 16 00-0133	EA	60 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase	444.39	149.12
26 28 16 00-0134	EA	100 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase	581.89	165.65
26 28 16 00-0135	EA	200 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase	1,057.57	259.30
26 28 16 00-0136	EA	400 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase	2,286.80	425.94
26 28 16 00-0137	EA	600 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase	3,818.74	596.29
26 28 16 00-0138		**General Duty Non-Fusible Switches** *(26 28 16 00-0002)*		
26 28 16 00-0139		**240 Volt Class, 2 Wire, 2 Blades** *(26 28 16 00-0138)*		
26 28 16 00-0140	EA	60 Amp, Non-Fused, NEMA 1, General Duty Disconnect Switch, 240 Volt, 1 Phase	277.91	99.57
26 28 16 00-0141	EA	100 Amp, Non-Fused, NEMA 1, General Duty Disconnect Switch, 240 Volt, 1 Phase	364.42	114.47
26 28 16 00-0142	EA	200 Amp, Non-Fused, NEMA 1, General Duty Disconnect Switch, 240 Volt, 1 Phase	800.03	182.93
26 28 16 00-0143	EA	400 Amp, Non-Fused, NEMA 1, General Duty Disconnect Switch, 240 Volt, 1 Phase	1,689.09	304.48
26 28 16 00-0144	EA	600 Amp, Non-Fused, NEMA 1, General Duty Disconnect Switch, 240 Volt, 1 Phase	2,889.89	414.92
26 28 16 00-0145		**240 Volt Class, 3 Wire, 3 Blades** *(26 28 16 00-0138)*		
26 28 16 00-0146	EA	30 Amp, Non-Fused, NEMA 1, General Duty Disconnect Switch, 240 Volt, 3 Phase	262.27	93.15
26 28 16 00-0147	EA	60 Amp, Non-Fused, NEMA 1, General Duty Disconnect Switch, 240 Volt, 3 Phase	359.97	129.61
26 28 16 00-0148	EA	100 Amp, Non-Fused, NEMA 1, General Duty Disconnect Switch, 240 Volt, 3 Phase	532.88	149.12
26 28 16 00-0149	EA	200 Amp, Non-Fused, NEMA 1, General Duty Disconnect Switch, 240 Volt, 3 Phase	911.70	238.57
26 28 16 00-0150	EA	400 Amp, Non-Fused, NEMA 1, General Duty Disconnect Switch, 240 Volt, 3 Phase	1,875.91	397.64
26 28 16 00-0151	EA	600 Amp, Non-Fused, NEMA 1, General Duty Disconnect Switch, 240 Volt, 3 Phase	3,145.29	541.97
26 28 16 00-0152		**Safety Switches, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs** *(26 28 16 00-0001)*		
26 28 16 00-0153		**Heavy Duty Fusible Switches** *(26 28 16 00-0152)* Note: With fuses, neutral bar, and hub if required.		
26 28 16 00-0154		**240 Volt Class, 2 Wire, 2 Blades And Fuseholders** *(26 28 16 00-0153)*		
26 28 16 00-0155	EA	30 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	412.96	96.70
26 28 16 00-0156	EA	60 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	645.40	116.03
26 28 16 00-0157	EA	100 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	803.58	134.96
26 28 16 00-0158	EA	200 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	1,178.74	205.73
26 28 16 00-0159	EA	400 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	2,566.37	329.17
26 28 16 00-0160	EA	600 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	4,455.84	439.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0161	EA	800 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	6,630.52	493.75
26 28 16 00-0162	EA	1,200 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	8,762.18	576.05
26 28 16 00-0163		600 Volt Class, 2 Wire, 2 Blades And Fuseholders *(26 28 16 00-0153)*		
26 28 16 00-0164	EA	30 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 1 Phase	699.27	128.87
26 28 16 00-0165	EA	60 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 1 Phase	834.05	158.00
26 28 16 00-0166	EA	100 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 1 Phase	1,170.75	181.46
26 28 16 00-0167	EA	200 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 1 Phase	1,654.55	272.14
26 28 16 00-0168	EA	400 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 1 Phase	3,555.77	445.28
26 28 16 00-0169	EA	600 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 1 Phase	6,475.99	612.34
26 28 16 00-0170	EA	800 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 1 Phase	9,461.81	705.08
26 28 16 00-0171	EA	1,200 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 1 Phase	10,428.32	793.71
26 28 16 00-0172		240 Volt Class, 3 Wire, 2 Blades And Fuseholders *(26 28 16 00-0153)*		
26 28 16 00-0173	EA	30 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase	535.64	152.24
26 28 16 00-0174	EA	60 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase	837.97	201.61
26 28 16 00-0175	EA	100 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase	1,003.29	221.37
26 28 16 00-0176	EA	200 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase	1,492.19	342.74
26 28 16 00-0177	EA	400 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase	3,175.17	571.52
26 28 16 00-0178	EA	600 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase	5,238.20	762.03
26 28 16 00-0179		600 Volt Class, 3 Wire, 3 Blades And Fuseholders *(26 28 16 00-0153)*		
26 28 16 00-0180	EA	30 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase	803.76	180.47
26 28 16 00-0181	EA	60 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase	960.79	221.20
26 28 16 00-0182	EA	100 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase	1,273.48	253.95
26 28 16 00-0183	EA	200 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase	1,853.60	381.01
26 28 16 00-0184	EA	400 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase	3,848.92	623.45
26 28 16 00-0185	EA	600 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase	6,870.48	857.24
26 28 16 00-0186	EA	800 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase	9,656.83	987.51
26 28 16 00-0187	EA	1,200 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase	11,538.08	1,110.94
26 28 16 00-0188		240 Volt Class, 4 Wire, 3 Blades And Fuseholders *(26 28 16 00-0153)*		
26 28 16 00-0189	EA	30 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase	583.53	152.24
26 28 16 00-0190	EA	60 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase	839.35	201.61
26 28 16 00-0191	EA	100 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase	1,070.63	221.37
26 28 16 00-0192	EA	200 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase	1,537.10	342.74
26 28 16 00-0193	EA	400 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase	3,216.37	571.52
26 28 16 00-0194	EA	600 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase	5,691.34	762.03
26 28 16 00-0195	EA	800 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase	9,375.14	864.07
26 28 16 00-0196	EA	1,200 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase	11,659.11	987.51
26 28 16 00-0197		600 Volt Class, 4 Wire, 3 Blades And Fuseholders *(26 28 16 00-0153)*		
26 28 16 00-0198	EA	30 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase	831.23	180.63
26 28 16 00-0199	EA	60 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase	991.68	221.37
26 28 16 00-0200	EA	100 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase	1,342.13	253.87
26 28 16 00-0201	EA	200 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase	1,898.23	381.01
26 28 16 00-0202	EA	400 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase	4,010.26	623.36
26 28 16 00-0203	EA	600 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase	7,055.85	857.07
26 28 16 00-0204	EA	800 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase	10,240.54	987.51
26 28 16 00-0205	EA	1,200 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase	12,307.48	1,110.94
26 28 16 00-0206		Heavy Duty Non-Fusible Switches *(26 28 16 00-0152)*		
26 28 16 00-0207		240 Volt Class, 2 Wire, 2 Blades *(26 28 16 00-0206)*		
26 28 16 00-0208	EA	30 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	389.88	84.68
26 28 16 00-0209	EA	60 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	630.32	117.26
26 28 16 00-0210	EA	100 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	822.86	134.46
26 28 16 00-0211	EA	200 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	1,106.44	217.74
26 28 16 00-0212	EA	400 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	2,427.03	363.24
26 28 16 00-0213	EA	600 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	4,372.63	484.29
26 28 16 00-0214	EA	800 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	6,974.17	576.29
26 28 16 00-0215	EA	1,200 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	9,176.25	658.58
26 28 16 00-0216		600 Volt Class, 2 Wire, 2 Blades *(26 28 16 00-0206)*		
26 28 16 00-0217	EA	30 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	438.36	93.32
26 28 16 00-0218	EA	60 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	713.65	130.59
26 28 16 00-0219	EA	100 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	927.84	147.47
26 28 16 00-0220	EA	200 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	1,224.09	228.61
26 28 16 00-0221	EA	400 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	2,745.10	381.01
26 28 16 00-0222	EA	600 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	4,716.51	507.98
26 28 16 00-0223	EA	800 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	7,434.50	603.69
26 28 16 00-0224	EA	1,200 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	9,777.85	685.75

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0225		240 Volt Class, 3 Wire, 3 Blades *(26 28 16 00-0206)*		
26 28 16 00-0226	EA	30 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	474.55	126.98
26 28 16 00-0227	EA	60 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	747.54	175.86
26 28 16 00-0228	EA	100 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	957.32	201.69
26 28 16 00-0229	EA	200 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	1,324.14	326.62
26 28 16 00-0230	EA	400 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	2,824.74	544.78
26 28 16 00-0231	EA	600 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	4,924.45	726.23
26 28 16 00-0232	EA	800 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	7,625.89	864.07
26 28 16 00-0233	EA	1,200 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	10,049.52	987.51
26 28 16 00-0234		480 Volt Class, 3 Wire, 3 Blades *(26 28 16 00-0206)*		
26 28 16 00-0235	EA	30 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase	516.22	139.90
26 28 16 00-0236	EA	60 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase	816.00	195.94
26 28 16 00-0237	EA	100 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase	1,035.92	221.20
26 28 16 00-0238	EA	200 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase	1,404.74	342.91
26 28 16 00-0239	EA	400 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase	3,001.95	571.44
26 28 16 00-0240	EA	600 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase	5,243.45	761.95
26 28 16 00-0241	EA	800 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase	8,129.29	905.21
26 28 16 00-0242	EA	1,200 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase	10,707.22	1,028.65
26 28 16 00-0243		600 Volt Class, 3 Wire, 3 Blades *(26 28 16 00-0206)*		
26 28 16 00-0244	EA	30 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	297.77	139.90
26 28 16 00-0245	EA	60 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	844.26	195.94
26 28 16 00-0246	EA	100 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	1,075.32	221.20
26 28 16 00-0247	EA	200 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	1,452.68	342.91
26 28 16 00-0248	EA	400 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	3,126.08	571.44
26 28 16 00-0249	EA	600 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	5,224.48	761.95
26 28 16 00-0250	EA	800 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	8,118.66	905.21
26 28 16 00-0251	EA	1,200 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	10,692.76	1,028.65
26 28 16 00-0252		General Duty Fusible Switches *(26 28 16 00-0152)*		
		Note: With fuses, neutral bar, and hub if required.		
26 28 16 00-0253		240 Volt Class, 2 Wire, 1 Blade And Fuseholder *(26 28 16 00-0252)*		
26 28 16 00-0254	EA	30 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	260.08	84.10
26 28 16 00-0255	EA	60 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	361.62	100.89
26 28 16 00-0256	EA	100 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	471.06	117.34
26 28 16 00-0257	EA	200 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	947.50	178.90
26 28 16 00-0258	EA	400 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	2,272.43	286.22
26 28 16 00-0259	EA	600 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	3,990.17	381.84
26 28 16 00-0260		240 Volt Class, 3 Wire, 2 Blades And Fuseholders *(26 28 16 00-0252)*		
26 28 16 00-0261	EA	30 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	357.31	132.57
26 28 16 00-0262	EA	60 Amp, Fused Disconnect Switch, NEMA 3R, General Heavy Duty, With Fuses, 240 Volt, 3 Phase	510.82	175.37
26 28 16 00-0263	EA	100 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	620.82	192.40
26 28 16 00-0264	EA	200 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	1,186.61	298.14
26 28 16 00-0265	EA	400 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	2,695.02	496.88
26 28 16 00-0266	EA	600 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	4,557.63	662.78
26 28 16 00-0267		240 Volt Class, 4 Wire, 3 Blades And Fuseholders *(26 28 16 00-0252)*		
26 28 16 00-0268	EA	30 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	396.87	132.49
26 28 16 00-0269	EA	60 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	550.57	175.37
26 28 16 00-0270	EA	100 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	748.64	192.40
26 28 16 00-0271	EA	200 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	1,269.14	298.14
26 28 16 00-0272	EA	400 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	2,748.04	496.96
26 28 16 00-0273	EA	600 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	4,971.22	662.78
26 28 16 00-0274	EA	800 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	7,045.37	750.83
26 28 16 00-0275		General Duty Non-Fusible Switches *(26 28 16 00-0152)*		
26 28 16 00-0276		240 Volt Class, 2 Wire, 2 Blades *(26 28 16 00-0275)*		
26 28 16 00-0277	EA	30 Amp, Non-Fused, NEMA 3R, General Duty Disconnect Switch, 240 Volt, 1 Phase	234.00	73.66
26 28 16 00-0278	EA	60 Amp, Non-Fused, NEMA 3R, General Duty Disconnect Switch, 240 Volt, 1 Phase	377.41	101.96
26 28 16 00-0279	EA	100 Amp, Non-Fused, NEMA 3R, General Duty Disconnect Switch, 240 Volt, 1 Phase	399.64	116.93
26 28 16 00-0280	EA	200 Amp, Non-Fused, NEMA 3R, General Duty Disconnect Switch, 240 Volt, 1 Phase	968.64	189.28
26 28 16 00-0281	EA	400 Amp, Non-Fused, NEMA 3R, General Duty Disconnect Switch, 240 Volt, 1 Phase	2,332.02	315.84
26 28 16 00-0282	EA	600 Amp, Non-Fused, NEMA 3R, General Duty Disconnect Switch, 240 Volt, 1 Phase	4,070.53	421.09
26 28 16 00-0283		240 Volt Class, 3 Wire, 3 Blades *(26 28 16 00-0275)*		
26 28 16 00-0284	EA	30 Amp, Non-Fused, NEMA 3R, General Duty Disconnect Switch, 240 Volt, 3 Phase	364.82	110.44
26 28 16 00-0285	EA	60 Amp, Non-Fused, NEMA 3R, General Duty Disconnect Switch, 240 Volt, 3 Phase	523.37	152.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0286	EA	100 Amp, Non-Fused, NEMA 3R, General Duty Disconnect Switch, 240 Volt, 3 Phase	751.78	175.37
26 28 16 00-0287	EA	200 Amp, Non-Fused, NEMA 3R, General Duty Disconnect Switch, 240 Volt, 3 Phase	1,287.20	283.99
26 28 16 00-0288		**Safety Switches, NEMA 4, 4X Or 5 Enclosure, Neutral Kit** *(26 28 16 00-0001)*		
26 28 16 00-0289		**Heavy Duty Fusible Switches** *(26 28 16 00-0288)* Note: With fuses and neutral bar (stainless steel).		
26 28 16 00-0290		**240 Volt Class, 2 Wire, 2 Blades And Fuseholders** *(26 28 16 00-0289)*		
26 28 16 00-0291	EA	30 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	1,044.53	82.30
26 28 16 00-0292	EA	60 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	1,254.84	99.16
26 28 16 00-0293	EA	100 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	2,534.32	115.87
26 28 16 00-0294	EA	200 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	3,511.98	182.85
26 28 16 00-0295	EA	400 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	7,113.57	283.74
26 28 16 00-0296	EA	600 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	10,228.68	419.53
26 28 16 00-0297		**600 Volt Class, 2 Wire, 2 Blades And Fuseholders** *(26 28 16 00-0289)*		
26 28 16 00-0298	EA	30 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	1,321.67	91.43
26 28 16 00-0299	EA	60 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	1,472.27	110.11
26 28 16 00-0300	EA	100 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	2,741.11	128.70
26 28 16 00-0301	EA	200 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	3,880.35	203.26
26 28 16 00-0302	EA	400 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	7,393.70	315.51
26 28 16 00-0303	EA	600 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	10,605.58	466.10
26 28 16 00-0304		**240 Volt Class, 3 Wire, 3 Blades And Fuseholders** *(26 28 16 00-0289)*		
26 28 16 00-0305	EA	30 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	1,184.76	129.36
26 28 16 00-0306	EA	60 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	1,487.72	171.42
26 28 16 00-0307	EA	100 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	2,797.45	190.51
26 28 16 00-0308	EA	200 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	3,984.81	298.14
26 28 16 00-0309	EA	400 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	7,742.30	489.80
26 28 16 00-0310	EA	600 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	11,044.95	685.75
26 28 16 00-0311		**600 Volt Class, 3 Wire, 3 Blades And Fuseholders** *(26 28 16 00-0289)*		
26 28 16 00-0312	EA	30 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	1,428.08	142.86
26 28 16 00-0313	EA	60 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	1,636.89	190.51
26 28 16 00-0314	EA	100 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	2,919.99	214.29
26 28 16 00-0315	EA	200 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	4,137.70	326.54
26 28 16 00-0316	EA	400 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	8,002.26	527.49
26 28 16 00-0317	EA	600 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	11,390.25	761.95
26 28 16 00-0318		**240 Volt Class, 4 Wire, 3 Blades And Fuseholders** *(26 28 16 00-0289)*		
26 28 16 00-0319	EA	30 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	1,408.67	129.36
26 28 16 00-0320	EA	60 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	1,767.63	171.42
26 28 16 00-0321	EA	100 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	3,357.54	190.51
26 28 16 00-0322	EA	200 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	4,750.71	298.14
26 28 16 00-0323	EA	400 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	9,249.70	489.80
26 28 16 00-0324	EA	600 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	13,116.48	685.75
26 28 16 00-0325		**600 Volt Class, 4 Wire, 3 Blades And Fuseholders** *(26 28 16 00-0289)*		
26 28 16 00-0326	EA	30 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	1,692.66	142.86
26 28 16 00-0327	EA	60 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	1,936.91	190.51
26 28 16 00-0328	EA	100 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	3,491.70	214.29
26 28 16 00-0329	EA	200 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	4,910.01	326.54
26 28 16 00-0330	EA	400 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	9,530.00	527.49
26 28 16 00-0331	EA	600 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	13,490.02	761.95
26 28 16 00-0332		**Heavy Duty Stainless Steel Non-Fusible Switches** *(26 28 16 00-0288)*		
26 28 16 00-0333		**240 Volt Class, 2 Wire, 2 Blades** *(26 28 16 00-0332)*		
26 28 16 00-0334	EA	30 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	1,003.21	82.30
26 28 16 00-0335	EA	60 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	1,225.45	114.47
26 28 16 00-0336	EA	100 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	2,281.35	131.67
26 28 16 00-0337	EA	200 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	3,173.68	210.33
26 28 16 00-0338	EA	400 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	5,767.93	350.24
26 28 16 00-0339	EA	600 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	8,253.62	477.13
26 28 16 00-0340		**600 Volt Class, 2 Wire, 2 Blades** *(26 28 16 00-0332)*		
26 28 16 00-0341	EA	30 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	1,140.05	90.76
26 28 16 00-0342	EA	60 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	1,395.48	128.38
26 28 16 00-0343	EA	100 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	2,598.89	146.32
26 28 16 00-0344	EA	200 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	3,603.52	228.61
26 28 16 00-0345	EA	400 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	6,543.86	376.24
26 28 16 00-0346	EA	600 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	9,395.57	526.67

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0347		**240 Volt Class, 3 Wire, 3 Blades** *(26 28 16 00-0332)*			
26 28 16 00-0348	EA	30 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase		1,052.93	107.14
26 28 16 00-0349	EA	60 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase		1,278.76	149.12
26 28 16 00-0350	EA	100 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase		1,339.33	171.42
26 28 16 00-0351	EA	200 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase		2,566.62	274.28
26 28 16 00-0352	EA	400 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase		3,667.32	457.21
26 28 16 00-0353	EA	600 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase		8,786.61	623.45
26 28 16 00-0354		**600 Volt Class, 3 Wire, 3 Blades** *(26 28 16 00-0332)*			
26 28 16 00-0355	EA	30 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase		1,194.91	118.26
26 28 16 00-0356	EA	60 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase		1,473.32	167.30
26 28 16 00-0357	EA	100 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase		2,687.26	190.51
26 28 16 00-0358	EA	200 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase		3,742.56	298.14
26 28 16 00-0359	EA	400 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase		7,440.43	489.80
26 28 16 00-0360	EA	600 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase		9,988.41	685.75
26 28 16 00-0361		**240 Volt Class, 4 Wire, 4 Blades** *(26 28 16 00-0332)*			
26 28 16 00-0362	EA	30 Amp, Non-Fused , NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase		1,435.72	107.14
26 28 16 00-0363	EA	60 Amp, Non-Fused , NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase		1,727.75	149.12
26 28 16 00-0364	EA	100 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase		3,838.40	171.42
26 28 16 00-0365	EA	200 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase		5,859.32	274.28
26 28 16 00-0366		**600 Volt Class, 4 Wire, 4 Blades** *(26 28 16 00-0332)*			
26 28 16 00-0367	EA	30 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase		1,632.38	118.26
26 28 16 00-0368	EA	60 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase		1,968.34	167.30
26 28 16 00-0369	EA	100 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase		4,375.86	190.51
26 28 16 00-0370	EA	200 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase		6,665.70	298.14
26 28 16 00-0371		**Fiberglass Reinforced Polyester Enclosures** *(26 28 16 00-0288)*			
26 28 16 00-0372		**600 Volt Class, 3 Pole, Fusible** *(26 28 16 00-0371)*			
26 28 16 00-0373	EA	30 Amp, Fused Disconnect Switch, NEMA 4X, Heavy Duty, With Fuses, 600 Volt, 3 Phase		1,899.98	142.78
26 28 16 00-0374	EA	60 Amp, Fused Disconnect Switch, NEMA 4X, Heavy Duty, With Fuses, 600 Volt, 3 Phase		2,174.09	190.51
26 28 16 00-0375	EA	100 Amp, Fused Disconnect Switch, NEMA 4X, Heavy Duty, With Fuses, 600 Volt, 3 Phase		3,869.17	214.37
26 28 16 00-0376	EA	200 Amp, Fused Disconnect Switch, NEMA 4X, Heavy Duty, With Fuses, 600 Volt, 3 Phase		5,050.59	326.70
26 28 16 00-0377		**600 Volt Class, 3 Pole, Non-Fusible** *(26 28 16 00-0371)*			
26 28 16 00-0378	EA	30 Amp, Non-Fused, NEMA 4X, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase		1,774.50	118.09
26 28 16 00-0379	EA	60 Amp, Non-Fused, NEMA 4X, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase		2,043.86	167.47
26 28 16 00-0380	EA	100 Amp, Non-Fused, NEMA 4X, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase		3,654.00	190.51
26 28 16 00-0381	EA	200 Amp, Non-Fused, NEMA 4X, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase		4,978.71	298.31
26 28 16 00-0382		**Krydon Enclosures** *(26 28 16 00-0288)*			
26 28 16 00-0383		**600 Volt Class, 3 Pole, Fusible** *(26 28 16 00-0382)*			
26 28 16 00-0384	EA	30 Amp, Fused Disconnect Switch, NEMA 4X, Heavy Duty, With Fuses, 600 Volt, 3 Phase		2,166.38	142.78
26 28 16 00-0385	EA	60 Amp, Fused Disconnect Switch, NEMA 4X, Heavy Duty, With Fuses, 600 Volt, 3 Phase		2,472.18	190.51
26 28 16 00-0386	EA	100 Amp, Fused Disconnect Switch, NEMA 4X, Heavy Duty, With Fuses, 600 Volt, 3 Phase		4,432.91	214.37
26 28 16 00-0387		**600 Volt Class, 3 Pole, Non-Fusible** *(26 28 16 00-0382)*			
26 28 16 00-0388	EA	30 Amp, Non-Fused, NEMA 4X, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase		2,026.56	118.09
26 28 16 00-0389	EA	60 Amp, Non-Fused, NEMA 4X, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase		2,326.10	167.47
26 28 16 00-0390	EA	100 Amp, Non-Fused, NEMA 4X, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase		4,195.10	190.51
26 28 16 00-0391		**Safety Switches, NEMA 7 Or 9 Enclosures, Neutral Kit** *(26 28 16 00-0001)* Note: Class 1, groups C and D, division 1 or 2, NEMA 7; Class 2, groups E, F and G, division 1 or 2, NEMA 9; or Class 3, division 1 Or 2, NEMA 9, hazardous locations as defined in NEC article 500.			
26 28 16 00-0392		**Heavy Duty Fusible Switches** *(26 28 16 00-0391)* Note: With fuses and neutral bar.			
26 28 16 00-0393	EA	30 Amp, Fused Disconnect Switch, NEMA 7 - 9, Heavy Duty, With Fuses, 240 Volt, 3 Phase		1,728.95	164.58
26 28 16 00-0394	EA	60 Amp, Fused Disconnect Switch, NEMA 7 - 9, Heavy Duty, With Fuses, 240 Volt, 3 Phase		1,791.64	195.94
26 28 16 00-0395	EA	100 Amp, Fused Disconnect Switch, NEMA 7 - 9, Heavy Duty, With Fuses, 240 Volt, 3 Phase		2,169.64	221.20
26 28 16 00-0396	EA	200 Amp, Fused Disconnect Switch, NEMA 7 - 9, Heavy Duty, With Fuses, 240 Volt, 3 Phase		4,565.86	342.91
26 28 16 00-0397		**Heavy Duty Non-Fusible Switch** *(26 28 16 00-0391)*			
26 28 16 00-0398	EA	60 Amp, Non-Fused, NEMA 7 - 9, Heavy Duty Disconnect Switch, With Fuses, 240 Volt, 3 Phase		1,363.43	195.94
26 28 16 00-0399	EA	100 Amp, Non-Fused, NEMA 7 - 9, Heavy Duty Disconnect Switch, With Fuses, 240 Volt, 3 Phase		1,593.18	221.20
26 28 16 00-0400	EA	200 Amp, Non-Fused, NEMA 7 - 9, Heavy Duty Disconnect Switch, With Fuses, 240 Volt, 3 Phase		2,909.67	342.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0401		Safety Switches, NEMA 12 Enclosure, Neutral Kit *(26 28 16 00-0001)*		
26 28 16 00-0402		Heavy Duty Fusible Switches *(26 28 16 00-0401)* Note: With fuses and neutral bar.		
26 28 16 00-0403		240 Volt Class, 2 Wire, 2 Blades And Fuseholders *(26 28 16 00-0402)*		
26 28 16 00-0404	EA	30 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	396.98	82.30
26 28 16 00-0405	EA	60 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	515.91	99.16
26 28 16 00-0406	EA	100 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	698.15	116.03
26 28 16 00-0407	EA	200 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	1,173.72	182.69
26 28 16 00-0408	EA	400 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	2,472.73	283.91
26 28 16 00-0409	EA	600 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	4,436.60	419.69
26 28 16 00-0410		600 Volt Class, 2 Wire, 2 Blades And Fuseholders *(26 28 16 00-0402)*		
26 28 16 00-0411	EA	30 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	611.97	91.35
26 28 16 00-0412	EA	60 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	635.76	110.27
26 28 16 00-0413	EA	100 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	906.77	128.79
26 28 16 00-0414	EA	200 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	1,419.26	203.26
26 28 16 00-0415	EA	400 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	3,058.06	315.18
26 28 16 00-0416	EA	600 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	6,001.68	466.18
26 28 16 00-0417		240 Volt Class, 3 Wire, 3 Blades And Fuseholders *(26 28 16 00-0402)*		
26 28 16 00-0418	EA	30 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase	556.25	129.20
26 28 16 00-0419	EA	60 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase	768.18	171.58
26 28 16 00-0420	EA	100 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase	1,035.57	190.51
26 28 16 00-0421	EA	200 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase	1,543.74	298.31
26 28 16 00-0422	EA	400 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase	3,001.58	489.64
26 28 16 00-0423	EA	600 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase	4,788.57	685.91
26 28 16 00-0424		600 Volt Class, 3 Wire, 3 Blades And Fuseholders *(26 28 16 00-0402)*		
26 28 16 00-0425	EA	30 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase	732.00	142.78
26 28 16 00-0426	EA	60 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase	837.54	190.51
26 28 16 00-0427	EA	100 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase	1,214.72	214.37
26 28 16 00-0428	EA	200 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase	1,772.20	326.70
26 28 16 00-0429	EA	400 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase	3,667.39	527.49
26 28 16 00-0430	EA	600 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase	6,831.03	762.03
26 28 16 00-0431		240 Volt Class, 4 Wire, 3 Blades And Fuseholders *(26 28 16 00-0402)*		
26 28 16 00-0432	EA	30 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase	591.77	129.20
26 28 16 00-0433	EA	60 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase	792.58	171.58
26 28 16 00-0434	EA	100 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase	1,112.17	190.51
26 28 16 00-0435	EA	200 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase	1,639.90	298.31
26 28 16 00-0436	EA	400 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase	3,259.05	489.64
26 28 16 00-0437	EA	600 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase	4,962.51	685.91
26 28 16 00-0438		600 Volt Class, 4 Wire, 3 Blades And Fuseholders *(26 28 16 00-0402)*		
26 28 16 00-0439	EA	30 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase	773.18	142.78
26 28 16 00-0440	EA	60 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase	947.40	190.51
26 28 16 00-0441	EA	100 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase	1,290.25	214.37
26 28 16 00-0442	EA	200 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase	1,916.38	326.70
26 28 16 00-0443	EA	400 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase	3,900.81	527.49
26 28 16 00-0444	EA	600 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase	7,023.26	762.03
26 28 16 00-0445		Heavy Duty Non-Fusible Switches *(26 28 16 00-0401)*		
26 28 16 00-0446		240 Volt Class, 2 Wire, 2 Blades *(26 28 16 00-0445)*		
26 28 16 00-0447	EA	30 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	414.26	118.91
26 28 16 00-0448	EA	60 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	550.95	165.81
26 28 16 00-0449	EA	100 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	724.65	190.51
26 28 16 00-0450	EA	200 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	1,040.09	304.90
26 28 16 00-0451	EA	400 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	2,254.72	508.16
26 28 16 00-0452	EA	600 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	3,547.85	692.90
26 28 16 00-0453		600 Volt Class, 2 Wire, 2 Blades *(26 28 16 00-0445)*		
26 28 16 00-0454	EA	30 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	461.49	131.26
26 28 16 00-0455	EA	60 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	612.65	185.98
26 28 16 00-0456	EA	100 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	807.54	211.49
26 28 16 00-0457	EA	200 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	1,130.10	331.23
26 28 16 00-0458	EA	400 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	2,388.98	544.37
26 28 16 00-0459	EA	600 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	3,919.78	762.03

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0460		**240 Volt Class, 3 Wire, 3 Blades** *(26 28 16 00-0445)*		
26 28 16 00-0461	EA	30 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	533.86	106.98
26 28 16 00-0462	EA	60 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	704.59	148.95
26 28 16 00-0463	EA	100 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	930.81	171.58
26 28 16 00-0464	EA	200 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	1,336.66	274.45
26 28 16 00-0465	EA	400 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	2,782.85	457.13
26 28 16 00-0466	EA	600 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	4,364.87	623.36
26 28 16 00-0467		**600 Volt Class, 3 Wire, 3 Blades** *(26 28 16 00-0445)*		
26 28 16 00-0468	EA	30 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	526.20	118.09
26 28 16 00-0469	EA	60 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	763.62	167.47
26 28 16 00-0470	EA	100 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	998.88	190.51
26 28 16 00-0471	EA	200 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	1,327.51	298.31
26 28 16 00-0472	EA	400 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	2,802.49	489.64
26 28 16 00-0473	EA	600 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	5,181.95	685.91
26 28 16 00-0474		**240 Volt Class, 4 Wire, 4 Blades** *(26 28 16 00-0445)*		
26 28 16 00-0475	EA	30 Amp, Non-Fused , NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	635.48	106.98
26 28 16 00-0476	EA	60 Amp, Non-Fused , NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	762.38	148.95
26 28 16 00-0477	EA	100 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	1,167.56	171.58
26 28 16 00-0478	EA	200 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	1,852.12	274.45
26 28 16 00-0479	EA	400 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	3,310.38	349.74
26 28 16 00-0480		**600 Volt Class, 4 Wire, 4 Blades** *(26 28 16 00-0445)*		
26 28 16 00-0481	EA	30 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	662.14	118.09
26 28 16 00-0482	EA	60 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	832.28	167.47
26 28 16 00-0483	EA	100 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	1,249.48	190.51
26 28 16 00-0484	EA	200 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	1,907.64	298.31
26 28 16 00-0485	EA	400 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	3,545.87	460.84
26 28 16 00-0486		**Double Throw Safety Switches** *(26 28 16 00-0001)*		
26 28 16 00-0487		**Safety Switches, NEMA 1 Enclosure** *(26 28 16 00-0486)* Note: With neutral kit.		
26 28 16 00-0488		**240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure** *(26 28 16 00-0487)*		
26 28 16 00-0489	EA	30 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure	499.07	105.75
26 28 16 00-0490	EA	60 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure	731.87	138.25
26 28 16 00-0491	EA	100 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure	1,022.61	180.63
26 28 16 00-0492	EA	200 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure	1,361.89	234.94
26 28 16 00-0493	EA	400 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure	3,205.38	293.78
26 28 16 00-0494	EA	600 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure	5,812.68	471.12
26 28 16 00-0495	EA	800 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure	6,703.04	658.33
26 28 16 00-0496	EA	1,000 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure	9,810.37	740.63
26 28 16 00-0497	EA	1,200 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure	11,544.71	822.92
26 28 16 00-0498		**240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure** *(26 28 16 00-0487)*		
26 28 16 00-0499	EA	30 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure	634.10	148.12
26 28 16 00-0500	EA	60 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure	881.17	193.39
26 28 16 00-0501	EA	100 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure	1,315.01	253.05
26 28 16 00-0502	EA	200 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure	1,918.43	329.17
26 28 16 00-0503	EA	400 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure	4,418.88	411.46
26 28 16 00-0504	EA	600 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure	6,191.39	658.33
26 28 16 00-0505	EA	800 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure	7,238.56	740.63
26 28 16 00-0506	EA	1,000 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure	10,283.12	822.92
26 28 16 00-0507	EA	1,200 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure	12,170.83	905.21
26 28 16 00-0508		**240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure** *(26 28 16 00-0487)*		
26 28 16 00-0509	EA	30 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure	839.07	185.16
26 28 16 00-0510	EA	60 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure	1,212.58	241.94
26 28 16 00-0511	EA	100 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure	2,118.42	316.00
26 28 16 00-0512	EA	200 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure	2,895.37	410.64
26 28 16 00-0513	EA	400 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure	5,742.46	514.33
26 28 16 00-0514	EA	600 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure	7,316.67	824.16
26 28 16 00-0515	EA	800 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure	9,219.38	905.21
26 28 16 00-0516	EA	1,000 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure	12,187.99	946.36
26 28 16 00-0517	EA	1,200 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure	13,649.07	987.51
26 28 16 00-0518		**600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure** *(26 28 16 00-0487)*		
26 28 16 00-0519	EA	60 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure	838.97	138.25
26 28 16 00-0520	EA	100 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure	1,253.45	180.63
26 28 16 00-0521	EA	200 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure	1,838.46	234.94
26 28 16 00-0522	EA	400 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure	4,258.89	293.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0523	EA	600 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure	6,306.25	471.12
26 28 16 00-0524	EA	800 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure	7,241.67	658.33
26 28 16 00-0525	EA	1,000 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure	10,643.28	740.63
26 28 16 00-0526	EA	1,200 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure	12,534.60	822.92
26 28 16 00-0527		**600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure** *(26 28 16 00-0487)*		
26 28 16 00-0528	EA	60 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure	949.12	193.39
26 28 16 00-0529	EA	100 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure	1,397.88	253.05
26 28 16 00-0530	EA	200 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure	2,026.10	329.17
26 28 16 00-0531	EA	400 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure	4,494.04	411.46
26 28 16 00-0532	EA	600 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure	6,681.76	658.33
26 28 16 00-0533	EA	800 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure	7,814.28	740.63
26 28 16 00-0534	EA	1,000 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure	11,146.84	822.92
26 28 16 00-0535	EA	1,200 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure	13,206.87	905.21
26 28 16 00-0536		**600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure** *(26 28 16 00-0487)*		
26 28 16 00-0537	EA	60 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure	1,279.64	241.94
26 28 16 00-0538	EA	100 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure	2,215.26	316.00
26 28 16 00-0539	EA	200 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure	3,095.77	410.64
26 28 16 00-0540	EA	400 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure	6,169.29	514.33
26 28 16 00-0541	EA	600 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure	7,794.32	824.16
26 28 16 00-0542	EA	800 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure	9,960.28	905.21
26 28 16 00-0543	EA	1,000 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure	13,217.52	946.36
26 28 16 00-0544	EA	1,200 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure	14,816.48	987.51
26 28 16 00-0545		**Safety Switches, NEMA 3R Enclosure** *(26 28 16 00-0486)* Note: With neutral kit.		
26 28 16 00-0546		**240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure** *(26 28 16 00-0545)*		
26 28 16 00-0547	EA	100 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 3R Enclosure	1,265.34	180.63
26 28 16 00-0548	EA	200 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 3R Enclosure	2,851.69	234.94
26 28 16 00-0549	EA	400 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 3R Enclosure	9,206.83	293.78
26 28 16 00-0550	EA	600 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 3R Enclosure	15,847.17	471.12
26 28 16 00-0551		**240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure** *(26 28 16 00-0545)*		
26 28 16 00-0552	EA	100 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 3R Enclosure	1,663.07	252.64
26 28 16 00-0553	EA	200 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 3R Enclosure	2,662.72	328.76
26 28 16 00-0554	EA	400 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 3R Enclosure	9,523.20	411.46
26 28 16 00-0555	EA	600 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 3R Enclosure	10,409.01	659.58
26 28 16 00-0556		**240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure** *(26 28 16 00-0545)*		
26 28 16 00-0557	EA	30 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 3R Enclosure	1,586.55	185.24
26 28 16 00-0558	EA	60 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 3R Enclosure	1,970.82	241.77
26 28 16 00-0559	EA	100 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 3R Enclosure	2,756.90	315.92
26 28 16 00-0560	EA	200 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 3R Enclosure	3,974.22	410.81
26 28 16 00-0561	EA	400 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 3R Enclosure	6,696.37	514.33
26 28 16 00-0562	EA	600 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 3R Enclosure	7,874.24	824.24
26 28 16 00-0563		**600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure** *(26 28 16 00-0545)*		
26 28 16 00-0564	EA	60 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 3R Enclosure	1,068.96	138.25
26 28 16 00-0565	EA	100 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 3R Enclosure	1,618.65	180.63
26 28 16 00-0566	EA	200 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 3R Enclosure	2,920.32	234.94
26 28 16 00-0567	EA	400 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 3R Enclosure	5,574.77	293.78
26 28 16 00-0568	EA	600 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 3R Enclosure	7,472.17	471.12
26 28 16 00-0569		**600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure** *(26 28 16 00-0545)*		
26 28 16 00-0570	EA	60 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 3R Enclosure	1,221.36	193.39
26 28 16 00-0571	EA	100 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 3R Enclosure	1,829.42	252.64
26 28 16 00-0572	EA	200 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 3R Enclosure	3,236.90	328.76
26 28 16 00-0573	EA	400 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 3R Enclosure	6,072.43	411.46
26 28 16 00-0574	EA	600 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 3R Enclosure	8,190.91	659.58
26 28 16 00-0575		**600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure** *(26 28 16 00-0545)*		
26 28 16 00-0576	EA	60 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 3R Enclosure	1,986.34	241.77
26 28 16 00-0577	EA	100 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 3R Enclosure	2,764.02	315.92
26 28 16 00-0578	EA	200 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 3R Enclosure	4,073.06	410.81
26 28 16 00-0579	EA	400 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 3R Enclosure	6,684.70	514.33
26 28 16 00-0580	EA	600 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 3R Enclosure	7,938.57	824.24
26 28 16 00-0581		**Safety Switches, NEMA 12 Enclosure** *(26 28 16 00-0486)* Note: With neutral kit.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0582		240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure *(26 28 16 00-0581)*		
26 28 16 00-0583	EA	30 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 12 Enclosure	1,257.75	105.83
26 28 16 00-0584	EA	60 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 12 Enclosure	1,429.80	138.17
26 28 16 00-0585	EA	100 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 12 Enclosure	1,624.66	180.55
26 28 16 00-0586	EA	200 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 12 Enclosure	2,229.75	234.78
26 28 16 00-0587	EA	400 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 12 Enclosure	4,125.50	293.86
26 28 16 00-0588	EA	600 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 12 Enclosure	6,061.56	470.96
26 28 16 00-0589		240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure *(26 28 16 00-0581)*		
26 28 16 00-0590	EA	30 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 12 Enclosure	1,452.80	148.12
26 28 16 00-0591	EA	60 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 12 Enclosure	1,723.48	193.39
26 28 16 00-0592	EA	100 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 12 Enclosure	2,051.82	252.64
26 28 16 00-0593	EA	200 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 12 Enclosure	2,854.03	328.76
26 28 16 00-0594	EA	400 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 12 Enclosure	5,149.28	411.46
26 28 16 00-0595	EA	600 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 12 Enclosure	6,836.77	659.58
26 28 16 00-0596		240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure *(26 28 16 00-0581)*		
26 28 16 00-0597	EA	30 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 12 Enclosure	2,160.33	185.24
26 28 16 00-0598	EA	60 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 12 Enclosure	2,534.62	241.77
26 28 16 00-0599	EA	100 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 12 Enclosure	3,470.69	315.92
26 28 16 00-0600	EA	200 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 12 Enclosure	4,709.92	410.81
26 28 16 00-0601	EA	400 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 12 Enclosure	8,649.47	514.33
26 28 16 00-0602	EA	600 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 12 Enclosure	10,798.48	824.24
26 28 16 00-0603		600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure *(26 28 16 00-0581)*		
26 28 16 00-0604	EA	60 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 12 Enclosure	1,873.92	138.17
26 28 16 00-0605	EA	100 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 12 Enclosure	1,980.42	180.55
26 28 16 00-0606	EA	200 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 12 Enclosure	3,724.63	234.78
26 28 16 00-0607	EA	400 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 12 Enclosure	5,362.27	293.86
26 28 16 00-0608	EA	600 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 12 Enclosure	7,221.80	470.96
26 28 16 00-0609		600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure *(26 28 16 00-0581)*		
26 28 16 00-0610	EA	60 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 12 Enclosure	2,068.52	193.39
26 28 16 00-0611	EA	100 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 12 Enclosure	2,210.16	252.64
26 28 16 00-0612	EA	200 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 12 Enclosure	4,083.42	328.76
26 28 16 00-0613	EA	400 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 12 Enclosure	5,848.53	411.46
26 28 16 00-0614	EA	600 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 12 Enclosure	7,927.09	659.58
26 28 16 00-0615		600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure *(26 28 16 00-0581)*		
26 28 16 00-0616	EA	60 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 12 Enclosure	2,559.93	241.77
26 28 16 00-0617	EA	100 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 12 Enclosure	3,657.32	315.92
26 28 16 00-0618	EA	200 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 12 Enclosure	4,819.93	410.81
26 28 16 00-0619	EA	400 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 12 Enclosure	8,886.25	514.33
26 28 16 00-0620	EA	600 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 12 Enclosure	11,112.33	824.24
26 28 16 00-0621		Removal And Reinstallation Of Disconnect Switches *(26 28 16 00-0001)*		
		Note: Includes storage and cleaning.		
26 28 16 00-0622	EA	Remove And Reinstall Safety Disconnect Switch Up To 100 Amp	411.46	
26 28 16 00-0623	EA	Remove And Reinstall Safety Disconnect Switch 101 To 200 Amp	534.93	
26 28 16 00-0624	EA	Remove And Reinstall Safety Disconnect Switch 201 To 300 Amp	596.66	
26 28 16 00-0625	EA	Remove And Reinstall Safety Disconnect Switch 301 To 400 Amp	699.53	

26 29 Low-Voltage Controllers *(26 20)*

26 29 13 Enclosed Controllers *(26 29)*

26 29 13 13 Across-The-Line Motor Controllers *(26 29 13)*

26 29 13 13-0001 Manual Motor Starters *(26 29 13 13)*

26 29 13 13-0002 Fractional HP Manual Motor Starters *(26 29 13 13-0001)*

26 29 13 13-0003	EA	NEMA 1, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG1)	143.71	41.21
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	*-1.71*	
		For Oversized Enclosure, Add	*17.10*	
		For Pilot Light, Add	*25.08*	
26 29 13 13-0004	EA	NEMA 1, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG2)	188.11	53.58
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	*-1.71*	
		For Oversized Enclosure, Add	*17.10*	
		For Pilot Light, Add	*25.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0005	EA	NEMA 1, 1 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG3)	160.81	41.21
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	*-1.71*	
		For Oversized Enclosure, Add	*17.10*	
		For Pilot Light, Add	*25.08*	
26 29 13 13-0006	EA	NEMA 1, 2 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG4)	205.21	53.58
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	*-1.71*	
		For Oversized Enclosure, Add	*17.10*	
		For Pilot Light, Add	*25.08*	
26 29 13 13-0007	EA	NEMA 1, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG5)	151.12	41.21
		For Oversized Enclosure, Add	*17.10*	
26 29 13 13-0008	EA	NEMA 1, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG6)	197.80	53.58
		For Oversized Enclosure, Add	*17.10*	
26 29 13 13-0009	EA	NEMA 4, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW1)	293.58	49.45
		For Pilot Light, Add	*65.55*	
26 29 13 13-0010	EA	NEMA 4, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW2)	339.68	61.82
		For Pilot Light, Add	*65.55*	
26 29 13 13-0011	EA	NEMA 3R, 7 And 9, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR1)	310.68	49.45
26 29 13 13-0012	EA	NEMA 3R, 7 And 9, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR2)	355.07	61.82

26 29 13 13-0013 Non Reversing Manual Motor Starters *(26 29 13 13-0001)*

26 29 13 13-0014	EA	NEMA 1, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG1) Note: NEMA 1 or flush cover plate installation.	118.73	41.21
		For Oversize Enclosure, Add	*8.25*	
		For Pilot Light, Add	*39.60*	
26 29 13 13-0015	EA	NEMA 1, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG2) Note: NEMA 1 or flush cover plate installation.	189.11	53.58
		For Oversize Enclosure, Add	*8.25*	
		For Pilot Light, Add	*39.60*	
26 29 13 13-0016	EA	NEMA 1, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG5) Note: NEMA 1 or flush cover plate installation.	133.57	45.34
		For Oversize Enclosure, Add	*8.25*	
		For Pilot Light, Add	*39.60*	
26 29 13 13-0017	EA	NEMA 1, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG6) Note: NEMA 1 or flush cover plate installation.	204.50	57.70
		For Oversize Enclosure, Add	*8.25*	
		For Pilot Light, Add	*39.60*	
26 29 13 13-0018	EA	NEMA 1, Non Reversing, 2 Pole, Key Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG3) Note: NEMA 1 or flush cover plate installation.	134.68	41.21
		For Oversize Enclosure, Add	*8.25*	
		For Pilot Light, Add	*39.60*	
26 29 13 13-0019	EA	NEMA 1, Non Reversing, 3 Pole, Key Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG4) Note: NEMA 1 or flush cover plate installation.	205.61	53.58
		For Oversize Enclosure, Add	*8.25*	
		For Pilot Light, Add	*39.60*	
26 29 13 13-0020	EA	NEMA 4, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW1)	271.62	49.45
		For Pilot Light, Add	*62.70*	
26 29 13 13-0021	EA	NEMA 4, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW2)	335.94	61.82
		For Pilot Light, Add	*62.70*	
26 29 13 13-0022	EA	NEMA 4, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW5)	287.01	53.58
		For Pilot Light, Add	*62.70*	
26 29 13 13-0023	EA	NEMA 4, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW6)	349.69	65.95
		For Pilot Light, Add	*62.70*	
26 29 13 13-0024	EA	NEMA 3R, 7 And 9, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR1)	287.02	49.45
26 29 13 13-0025	EA	NEMA 3R, 7 And 9, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR2)	355.74	61.82
26 29 13 13-0026	EA	Open Type, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO1)	86.30	28.85
		For Pilot Light, Add	*39.60*	
26 29 13 13-0027	EA	Open Type, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO2)	156.68	41.21
		For Pilot Light, Add	*39.60*	
26 29 13 13-0028	EA	Open Type, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO5)	101.15	32.97
		For Pilot Light, Add	*39.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0029	EA	Open Type, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO6)	171.52	45.34
		For Pilot Light, Add	*39.60*	
26 29 13 13-0030		**Reversing Manual Motor Starters** *(26 29 13 13-0001)*		
26 29 13 13-0031	EA	NEMA 1, Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG11)	306.22	74.19
		For Pilot Light, Add	*63.80*	
26 29 13 13-0032	EA	NEMA 1, Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG22)	440.38	98.92
		For Pilot Light, Add	*63.80*	
26 29 13 13-0033		**Two Speed Manual Motor Starters** *(26 29 13 13-0001)*		
26 29 13 13-0034	EA	NEMA 1, Two Speed, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG11)	306.22	74.19
26 29 13 13-0035	EA	NEMA 1, Two Speed, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG22)	440.38	98.92
26 29 13 13-0036		**Non-Reversing Integral HP Manual Motor Starters** *(26 29 13 13-0001)*		
26 29 13 13-0037	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG1)	273.92	49.45
26 29 13 13-0038	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG1)	273.92	49.45
26 29 13 13-0039	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW11)	550.32	57.70
26 29 13 13-0040	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW1)	550.32	57.70
26 29 13 13-0041	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR1)	712.20	57.70
26 29 13 13-0042	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA1)	346.83	57.70
26 29 13 13-0043	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO1)	232.09	37.10
26 29 13 13-0044	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG1)	323.20	53.58
26 29 13 13-0045	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG1)	323.20	53.58
26 29 13 13-0046	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW11)	656.03	61.82
26 29 13 13-0047	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW1)	656.03	61.82
26 29 13 13-0048	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR1)	830.45	61.82
26 29 13 13-0049	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA1)	396.11	61.82
26 29 13 13-0050	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO1)	281.37	41.21
26 29 13 13-0051	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG2)	419.79	57.70
26 29 13 13-0052	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG2)	419.79	57.70
26 29 13 13-0053	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW12)	777.14	65.95
26 29 13 13-0054	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW2)	777.14	65.95
26 29 13 13-0055	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR2)	944.15	65.95
26 29 13 13-0056	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA2)	494.42	65.95
26 29 13 13-0057	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO2)	379.67	45.34
26 29 13 13-0058	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG2)	339.40	61.82
26 29 13 13-0059	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG2)	339.40	61.82
26 29 13 13-0060	EA	NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW12)	615.81	70.06
26 29 13 13-0061	EA	NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW2)	615.81	70.06
26 29 13 13-0062	EA	NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR2)	782.25	70.06
26 29 13 13-0063	EA	Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA2)	412.89	70.06
26 29 13 13-0064	EA	Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO2)	299.29	49.45
26 29 13 13-0065	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG3)	388.69	65.95
26 29 13 13-0066	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG3)	388.69	65.95
26 29 13 13-0067	EA	NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW13)	721.52	74.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0068	EA	NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW3)	721.52	74.19
26 29 13 13-0069	EA	NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR3)	899.93	74.19
26 29 13 13-0070	EA	Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA3)	461.60	74.19
26 29 13 13-0071	EA	Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO3)	346.86	53.58
26 29 13 13-0072		**Reversing Integral HP Manual Motor Starters** *(26 29 13 13-0001)*		
26 29 13 13-0073	EA	NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBG1)	770.76	86.55
26 29 13 13-0074	EA	NEMA 1, Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511TBG1)	770.76	86.55
26 29 13 13-0075	EA	Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBO1)	672.85	61.82
26 29 13 13-0076	EA	NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCG1)	908.66	94.79
26 29 13 13-0077	EA	Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCO1)	810.75	70.06
26 29 13 13-0078		**Two Speed Integral HP Manual Motor Starters** *(26 29 13 13-0001)*		
26 29 13 13-0079	EA	NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBG1)	770.76	86.55
26 29 13 13-0080	EA	Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBO1)	672.85	61.82
26 29 13 13-0081	EA	NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCG1)	908.66	94.79
26 29 13 13-0082	EA	Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCO1)	810.75	70.06
26 29 13 13-0083		**Magnetic Motor Starters** *(26 29 13 13)*		
26 29 13 13-0084		**Non Reversing, Magnetic Contactors** *(26 29 13 13-0083)*		
26 29 13 13-0085		**Open Enclosure, Non Reversing, Magnetic Contactors** *(26 29 13 13-0084)*		
26 29 13 13-0086	EA	Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAO11)	328.45	82.43
		For Factory Installed Accessory, Deduct	*-164.86*	
26 29 13 13-0087	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAO12)	368.87	90.67
		For Factory Installed Accessory, Deduct	*-181.34*	
26 29 13 13-0088	EA	Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO5)	352.39	82.43
		For Factory Installed Accessory, Deduct	*-164.86*	
26 29 13 13-0089	EA	Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO1)	393.38	90.67
		For Factory Installed Accessory, Deduct	*-181.34*	
26 29 13 13-0090	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO2)	433.81	98.92
		For Factory Installed Accessory, Deduct	*-197.83*	
26 29 13 13-0091	EA	Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO3)	547.68	123.64
		For Factory Installed Accessory, Deduct	*-247.29*	
26 29 13 13-0092	EA	Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO4)	686.62	148.37
		For Factory Installed Accessory, Deduct	*-296.74*	
26 29 13 13-0093	EA	Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO5)	408.77	90.67
		For Factory Installed Accessory, Deduct	*-181.34*	
26 29 13 13-0094	EA	Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO1)	449.20	98.92
		For Factory Installed Accessory, Deduct	*-197.83*	
26 29 13 13-0095	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO2)	490.77	107.16
		For Factory Installed Accessory, Deduct	*-214.32*	
26 29 13 13-0096	EA	Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO3)	629.93	144.25
		For Factory Installed Accessory, Deduct	*-288.50*	
26 29 13 13-0097	EA	Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO4)	768.31	168.98
		For Factory Installed Accessory, Deduct	*-337.96*	
26 29 13 13-0098	EA	Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO1)	669.22	98.92
		For Factory Installed Accessory, Deduct	*-197.83*	
26 29 13 13-0099	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO2)	750.03	123.64
		For Factory Installed Accessory, Deduct	*-247.29*	
26 29 13 13-0100	EA	Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO3)	978.95	164.86
		For Factory Installed Accessory, Deduct	*-329.72*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0101		EA	Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO1)	993.99	123.64
			For Factory Installed Accessory, Deduct	*-247.29*	
26 29 13 13-0102		EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO2)	1,141.97	164.86
			For Factory Installed Accessory, Deduct	*-329.72*	
26 29 13 13-0103		EA	Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO3)	1,451.25	206.08
			For Factory Installed Accessory, Deduct	*-412.14*	
26 29 13 13-0104		EA	Size 3, 3 Phase, 5 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO4)	2,053.53	247.29
			For Factory Installed Accessory, Deduct	*-494.58*	
26 29 13 13-0105		EA	Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO1)	2,214.48	206.08
			For Factory Installed Accessory, Deduct	*-412.14*	
26 29 13 13-0106		EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO2)	2,443.41	247.29
			For Factory Installed Accessory, Deduct	*-494.58*	
26 29 13 13-0107		EA	Size 4, 3 Phase, 4 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO3)	3,288.50	288.50
			For Factory Installed Accessory, Deduct	*-577.01*	
26 29 13 13-0108		EA	Size 5, 1 Phase, 2 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGO1)	4,400.22	247.29
			For Factory Installed Accessory, Deduct	*-494.58*	
26 29 13 13-0109		EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGO2)	4,906.50	329.72
			For Factory Installed Accessory, Deduct	*-659.43*	
26 29 13 13-0110		EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHO2)	12,582.38	494.58
			For Factory Installed Accessory, Deduct	*-989.15*	
26 29 13 13-0111		EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SJO2)	18,029.69	741.86
			For Factory Installed Accessory, Deduct	*-1,483.73*	

26 29 13 13-0112 NEMA 1, Non Reversing, Magnetic Contactors *(26 29 13 13-0084)*

26 29 13 13-0113		EA	Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAG11)	346.12	82.43
			For Factory Installed Accessory, Deduct	*-164.86*	
26 29 13 13-0114		EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAG12)	386.54	90.67
			For Factory Installed Accessory, Deduct	*-181.34*	
26 29 13 13-0115		EA	Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG5)	370.06	82.43
			For Factory Installed Accessory, Deduct	*-164.86*	
26 29 13 13-0116		EA	Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG1)	411.62	90.67
			For Factory Installed Accessory, Deduct	*-181.34*	
26 29 13 13-0117		EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG2)	452.05	98.92
			For Factory Installed Accessory, Deduct	*-197.83*	
26 29 13 13-0118		EA	Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG3)	567.06	123.64
			For Factory Installed Accessory, Deduct	*-247.29*	
26 29 13 13-0119		EA	Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG4)	706.57	148.37
			For Factory Installed Accessory, Deduct	*-296.74*	
26 29 13 13-0120		EA	Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG5)	427.58	90.67
			For Factory Installed Accessory, Deduct	*-181.34*	
26 29 13 13-0121		EA	Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG1)	469.15	98.92
			For Factory Installed Accessory, Deduct	*-197.83*	
26 29 13 13-0122		EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG2)	509.58	107.16
			For Factory Installed Accessory, Deduct	*-214.32*	
26 29 13 13-0123		EA	Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG3)	649.31	144.25
			For Factory Installed Accessory, Deduct	*-288.50*	
26 29 13 13-0124		EA	Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG4)	787.12	168.98
			For Factory Installed Accessory, Deduct	*-337.96*	
26 29 13 13-0125		EA	Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG1)	753.58	98.92
			For Factory Installed Accessory, Deduct	*-197.83*	
26 29 13 13-0126		EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG2)	834.96	123.64
			For Factory Installed Accessory, Deduct	*-247.29*	
26 29 13 13-0127		EA	Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG3)	1,063.31	164.86
			For Factory Installed Accessory, Deduct	*-329.72*	
26 29 13 13-0128		EA	Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG1)	1,159.86	123.64
			For Factory Installed Accessory, Deduct	*-247.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0129	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG2)	1,307.27	164.86
		For Factory Installed Accessory, Deduct	*-329.72*	
26 29 13 13-0130	EA	Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG3)	1,617.12	206.08
		For Factory Installed Accessory, Deduct	*-412.14*	
26 29 13 13-0131	EA	Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFG1)	2,558.19	206.08
		For Factory Installed Accessory, Deduct	*-412.14*	
26 29 13 13-0132	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFG2)	2,787.12	247.29
		For Factory Installed Accessory, Deduct	*-494.58*	
26 29 13 13-0133	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGG2)	5,532.93	329.72
		For Factory Installed Accessory, Deduct	*-659.43*	
26 29 13 13-0134	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHG2)	15,337.19	494.58
		For Factory Installed Accessory, Deduct	*-989.15*	
26 29 13 13-0135	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SJG2)	20,792.48	741.86
		For Factory Installed Accessory, Deduct	*-1,483.73*	

26 29 13 13-0136 NEMA 12, Non Reversing, Magnetic Contactors *(26 29 13 13-0084)*

26 29 13 13-0137	EA	Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBA1)	509.09	90.67
		For Factory Installed Accessory, Deduct	*-181.34*	
26 29 13 13-0138	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBA2)	549.52	98.92
		For Factory Installed Accessory, Deduct	*-197.83*	
26 29 13 13-0139	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCA2)	607.05	107.16
		For Factory Installed Accessory, Deduct	*-214.32*	
26 29 13 13-0140	EA	Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDA1)	931.42	98.92
		For Factory Installed Accessory, Deduct	*-197.83*	
26 29 13 13-0141	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDA2)	1,013.37	123.64
		For Factory Installed Accessory, Deduct	*-247.29*	
26 29 13 13-0142	EA	Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEA1)	1,370.76	123.64
		For Factory Installed Accessory, Deduct	*-247.29*	
26 29 13 13-0143	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEA2)	1,517.60	164.86
		For Factory Installed Accessory, Deduct	*-329.72*	
26 29 13 13-0144	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFA2)	3,485.37	247.29
		For Factory Installed Accessory, Deduct	*-494.58*	
26 29 13 13-0145	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGA2)	7,319.88	329.72
		For Factory Installed Accessory, Deduct	*-659.43*	
26 29 13 13-0146	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHA2)	17,528.27	494.58
		For Factory Installed Accessory, Deduct	*-989.15*	

26 29 13 13-0147 NEMA 4/4X, Non Reversing, Magnetic Contactors *(26 29 13 13-0084)*

Note: Brushed stainless steel enclosure.

26 29 13 13-0148	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBW12)	736.48	98.92
		For Factory Installed Accessory, Deduct	*-197.83*	
26 29 13 13-0149	EA	Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW11)	761.56	98.92
		For Factory Installed Accessory, Deduct	*-197.83*	
26 29 13 13-0150	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW12)	801.99	107.16
		For Factory Installed Accessory, Deduct	*-214.32*	
26 29 13 13-0151	EA	Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW13)	941.72	144.25
		For Factory Installed Accessory, Deduct	*-288.50*	
26 29 13 13-0152	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDW12)	1,419.78	123.64
		For Factory Installed Accessory, Deduct	*-247.29*	
26 29 13 13-0153	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEW12)	2,134.91	164.86
		For Factory Installed Accessory, Deduct	*-329.72*	
26 29 13 13-0154	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFW12)	4,200.15	247.29
		For Factory Installed Accessory, Deduct	*-494.58*	
26 29 13 13-0155	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGW12)	7,319.88	329.72
		For Factory Installed Accessory, Deduct	*-659.43*	
26 29 13 13-0156	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHW2)	19,395.59	494.58
		For Factory Installed Accessory, Deduct	*-989.15*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0157		NEMA 7/9, Non Reversing, Magnetic Contactors *(26 29 13 13-0084)*		
		Note: Bolted cast iron enclosure.		
26 29 13 13-0158	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 7/9 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBT2)	1,443.67	131.89
		For Factory Installed Accessory, Deduct	*-263.77*	
26 29 13 13-0159		Non Reversing, Magnetic Starters *(26 29 13 13-0083)*		
26 29 13 13-0160		Open Enclosure, Non Reversing, Magnetic Starters *(26 29 13 13-0159)*		
26 29 13 13-0161	EA	Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAO11)	384.88	82.43
		For Factory Installed Accessory, Deduct	*-164.86*	
26 29 13 13-0162	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAO12)	401.36	90.67
		For Factory Installed Accessory, Deduct	*-181.34*	
26 29 13 13-0163	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO1)	429.29	90.67
		For Factory Installed Accessory, Deduct	*-181.34*	
26 29 13 13-0164	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO2)	474.28	98.92
		For Factory Installed Accessory, Deduct	*-197.83*	
26 29 13 13-0165	EA	Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO4)	757.87	148.37
		For Factory Installed Accessory, Deduct	*-296.74*	
26 29 13 13-0166	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO1)	486.82	98.92
		For Factory Installed Accessory, Deduct	*-197.83*	
26 29 13 13-0167	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO3)	567.72	107.16
		For Factory Installed Accessory, Deduct	*-214.32*	
26 29 13 13-0168	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO2)	591.66	107.16
		For Factory Installed Accessory, Deduct	*-214.32*	
26 29 13 13-0169	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDO6)	721.09	98.92
		For Factory Installed Accessory, Deduct	*-197.83*	
26 29 13 13-0170	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDO1)	823.56	123.64
		For Factory Installed Accessory, Deduct	*-247.29*	
26 29 13 13-0171	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEO1)	1,263.38	164.86
		For Factory Installed Accessory, Deduct	*-329.72*	
26 29 13 13-0172	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFO1)	2,630.37	247.29
		For Factory Installed Accessory, Deduct	*-494.58*	
26 29 13 13-0173	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGO1)	5,876.07	329.72
		For Factory Installed Accessory, Deduct	*-659.43*	
26 29 13 13-0174	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SHO2)	13,390.07	494.58
		For Factory Installed Accessory, Deduct	*-989.15*	
26 29 13 13-0175	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SJO2)	19,301.93	741.86
		For Factory Installed Accessory, Deduct	*-1,483.73*	
26 29 13 13-0176		NEMA 1, Non Reversing, Magnetic Starters *(26 29 13 13-0159)*		
26 29 13 13-0177	EA	Size 00, 1 Phase, 2 Pole, .34 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAG11)	403.69	82.43
		For Factory Installed Accessory, Deduct	*-164.86*	
26 29 13 13-0178	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAG12)	420.17	90.67
		For Factory Installed Accessory, Deduct	*-181.34*	
26 29 13 13-0179	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBG1)	448.10	90.67
		For Factory Installed Accessory, Deduct	*-181.34*	
26 29 13 13-0180	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBG2)	493.09	98.92
		For Factory Installed Accessory, Deduct	*-197.83*	
26 29 13 13-0181	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG1)	505.06	98.92
		For Factory Installed Accessory, Deduct	*-197.83*	
26 29 13 13-0182	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG3)	550.62	107.16
		For Factory Installed Accessory, Deduct	*-214.32*	
26 29 13 13-0183	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG2)	611.04	107.16
		For Factory Installed Accessory, Deduct	*-214.32*	
26 29 13 13-0184	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDG6)	806.02	98.92
		For Factory Installed Accessory, Deduct	*-197.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0185	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDG1)	908.49	123.64
		For Factory Installed Accessory, Deduct	*-247.29*	
26 29 13 13-0186	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEG1)	1,429.25	164.86
		For Factory Installed Accessory, Deduct	*-329.72*	
26 29 13 13-0187	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFG1)	2,974.08	247.29
		For Factory Installed Accessory, Deduct	*-494.58*	
26 29 13 13-0188	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGG1)	6,504.21	329.72
		For Factory Installed Accessory, Deduct	*-659.43*	

26 29 13 13-0189 NEMA 12, Non Reversing, Magnetic Starters *(26 29 13 13-0159)*

26 29 13 13-0190	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBA1)	545.57	90.67
		For Factory Installed Accessory, Deduct	*-181.34*	
26 29 13 13-0191	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBA2)	590.56	98.92
		For Factory Installed Accessory, Deduct	*-197.83*	
26 29 13 13-0192	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA1)	602.53	98.92
		For Factory Installed Accessory, Deduct	*-197.83*	
26 29 13 13-0193	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA3)	648.09	107.16
		For Factory Installed Accessory, Deduct	*-214.32*	
26 29 13 13-0194	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA2)	708.51	107.16
		For Factory Installed Accessory, Deduct	*-214.32*	
26 29 13 13-0195	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDA6)	984.43	98.92
		For Factory Installed Accessory, Deduct	*-197.83*	
26 29 13 13-0196	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDA1)	1,086.33	123.64
		For Factory Installed Accessory, Deduct	*-247.29*	
26 29 13 13-0197	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEA1)	1,639.58	164.86
		For Factory Installed Accessory, Deduct	*-329.72*	
26 29 13 13-0198	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFA1)	3,671.76	247.29
		For Factory Installed Accessory, Deduct	*-494.58*	
26 29 13 13-0199	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGA1)	8,289.45	329.72
		For Factory Installed Accessory, Deduct	*-659.43*	
26 29 13 13-0200	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SHA2)	19,643.54	494.58
		For Factory Installed Accessory, Deduct	*-989.15*	

26 29 13 13-0201 NEMA 3R, Non Reversing, Magnetic Starters *(26 29 13 13-0159)*

26 29 13 13-0202	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBH1)	545.57	90.67
		For Factory Installed Accessory, Deduct	*-181.34*	
26 29 13 13-0203	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBH2)	590.56	98.92
		For Factory Installed Accessory, Deduct	*-197.83*	
26 29 13 13-0204	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH1)	602.53	98.92
		For Factory Installed Accessory, Deduct	*-197.83*	
26 29 13 13-0205	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH3)	648.09	107.16
		For Factory Installed Accessory, Deduct	*-214.32*	
26 29 13 13-0206	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH2)	708.51	107.16
		For Factory Installed Accessory, Deduct	*-214.32*	
26 29 13 13-0207	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDH6)	984.43	98.92
		For Factory Installed Accessory, Deduct	*-197.83*	
26 29 13 13-0208	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDH1)	1,086.33	123.64
		For Factory Installed Accessory, Deduct	*-247.29*	
26 29 13 13-0209	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEH1)	1,639.58	164.86
		For Factory Installed Accessory, Deduct	*-329.72*	
26 29 13 13-0210	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFH1)	3,671.76	247.29
		For Factory Installed Accessory, Deduct	*-494.58*	

26 29 13 13-0211 NEMA 3R/4/4X/7/9, Non Reversing, Magnetic Starters *(26 29 13 13-0159)*

Note: Bolted cast aluminum enclosure.

26 29 13 13-0212	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT4)	1,505.76	140.13
		For Factory Installed Accessory, Deduct	*-280.26*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0213	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCR1)	1,837.50	140.13
		For Factory Installed Accessory, Deduct	*-280.26*	
26 29 13 13-0214	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCR3)	1,895.02	148.37
		For Factory Installed Accessory, Deduct	*-296.74*	
26 29 13 13-0215	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDR1)	2,910.11	164.86
		For Factory Installed Accessory, Deduct	*-329.72*	
26 29 13 13-0216	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SET43)	3,512.37	206.08
		For Factory Installed Accessory, Deduct	*-412.14*	
26 29 13 13-0217	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFT41)	5,580.47	288.50
		For Factory Installed Accessory, Deduct	*-577.01*	

26 29 13 13-0218 NEMA 4/4X, Non Reversing, Magnetic Starters *(26 29 13 13-0159)*

Note: Brushed stainless steel enclosure.

26 29 13 13-0219	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBW11)	731.96	90.67
		For Factory Installed Accessory, Deduct	*-181.34*	
26 29 13 13-0220	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBW12)	777.52	98.92
		For Factory Installed Accessory, Deduct	*-197.83*	
26 29 13 13-0221	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW11)	797.47	98.92
		For Factory Installed Accessory, Deduct	*-197.83*	
26 29 13 13-0222	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW13)	843.03	107.16
		For Factory Installed Accessory, Deduct	*-214.32*	
26 29 13 13-0223	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 7-1/2 HP At 460/575 Volt, 36 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW12)	903.45	107.16
		For Factory Installed Accessory, Deduct	*-214.32*	
26 29 13 13-0224	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDW16)	1,389.70	98.92
		For Factory Installed Accessory, Deduct	*-197.83*	
26 29 13 13-0225	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEW11)	2,256.32	164.86
		For Factory Installed Accessory, Deduct	*-329.72*	
26 29 13 13-0226	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFW11)	4,385.97	247.29
		For Factory Installed Accessory, Deduct	*-494.58*	
26 29 13 13-0227	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGW11)	9,662.58	329.72
		For Factory Installed Accessory, Deduct	*-659.43*	

26 29 13 13-0228 NEMA 4X, Non Reversing, Magnetic Starters *(26 29 13 13-0159)*

Note: Glass polyester enclosure.

26 29 13 13-0229	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDW21)	1,493.31	123.64
		For Factory Installed Accessory, Deduct	*-247.29*	
26 29 13 13-0230	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEW21)	2,738.54	164.86
		For Factory Installed Accessory, Deduct	*-329.72*	
26 29 13 13-0231	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFW21)	5,359.53	247.29
		For Factory Installed Accessory, Deduct	*-494.58*	

26 29 13 13-0232 NEMA 7/9, Non Reversing, Magnetic Starters *(26 29 13 13-0159)*

Note: Bolted cast iron enclosure.

26 29 13 13-0233	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT1)	1,455.64	131.89
		For Factory Installed Accessory, Deduct	*-263.77*	
26 29 13 13-0234	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT2)	1,505.76	140.13
		For Factory Installed Accessory, Deduct	*-280.26*	
26 29 13 13-0235	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT1)	1,526.28	140.13
		For Factory Installed Accessory, Deduct	*-280.26*	
26 29 13 13-0236	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT3)	1,574.11	148.37
		For Factory Installed Accessory, Deduct	*-296.74*	
26 29 13 13-0237	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 36 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT2)	1,643.65	148.37
		For Factory Installed Accessory, Deduct	*-296.74*	
26 29 13 13-0238	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDT1)	2,394.83	164.86
		For Factory Installed Accessory, Deduct	*-329.72*	

26 29 13 13-0239 Reversing, Magnetic Starters *(26 29 13 13-0083)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0240		**Open Enclosure, Reversing, Magnetic Starters** *(26 29 13 13-0239)*		
26 29 13 13-0241	EA	Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO13)	706.23	107.16
		For Factory Installed Accessory, Deduct	*-214.32*	
26 29 13 13-0242	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO16)	742.14	107.16
		For Factory Installed Accessory, Deduct	*-214.32*	
26 29 13 13-0243	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO1)	820.18	115.40
		For Factory Installed Accessory, Deduct	*-230.80*	
26 29 13 13-0244	EA	Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO2)	852.63	123.64
		For Factory Installed Accessory, Deduct	*-247.29*	
26 29 13 13-0245	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO10)	872.58	123.64
		For Factory Installed Accessory, Deduct	*-247.29*	
26 29 13 13-0246	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO2)	933.52	131.89
		For Factory Installed Accessory, Deduct	*-263.77*	
26 29 13 13-0247	EA	Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO3)	975.35	144.25
		For Factory Installed Accessory, Deduct	*-288.50*	
26 29 13 13-0248	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO7)	995.87	144.25
		For Factory Installed Accessory, Deduct	*-288.50*	
26 29 13 13-0249	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDO1)	1,668.65	164.86
		For Factory Installed Accessory, Deduct	*-329.72*	
26 29 13 13-0250	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEO1)	2,718.72	247.29
		For Factory Installed Accessory, Deduct	*-494.58*	
26 29 13 13-0251	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFO1)	6,173.96	370.93
		For Factory Installed Accessory, Deduct	*-741.86*	
26 29 13 13-0252	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SGO1)	11,425.28	494.58
		For Factory Installed Accessory, Deduct	*-989.15*	
26 29 13 13-0253	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SJO1)	36,725.95	906.72
		For Factory Installed Accessory, Deduct	*-1,813.45*	
26 29 13 13-0254		**NEMA 1, Reversing, Magnetic Starters** *(26 29 13 13-0239)*		
26 29 13 13-0255	EA	Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG13)	723.94	98.92
		For Factory Installed Accessory, Deduct	*-197.83*	
26 29 13 13-0256	EA	Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG15)	757.53	107.16
		For Factory Installed Accessory, Deduct	*-214.32*	
26 29 13 13-0257	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG16)	778.05	107.16
		For Factory Installed Accessory, Deduct	*-214.32*	
26 29 13 13-0258	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG1)	854.38	115.40
		For Factory Installed Accessory, Deduct	*-230.80*	
26 29 13 13-0259	EA	Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG2)	887.97	123.64
		For Factory Installed Accessory, Deduct	*-247.29*	
26 29 13 13-0260	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG4)	908.49	123.64
		For Factory Installed Accessory, Deduct	*-247.29*	
26 29 13 13-0261	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG2)	984.82	131.89
		For Factory Installed Accessory, Deduct	*-263.77*	
26 29 13 13-0262	EA	Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG6)	1,026.65	144.25
		For Factory Installed Accessory, Deduct	*-288.50*	
26 29 13 13-0263	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG8)	1,047.17	144.25
		For Factory Installed Accessory, Deduct	*-288.50*	
26 29 13 13-0264	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDG2)	1,802.03	164.86
		For Factory Installed Accessory, Deduct	*-329.72*	
26 29 13 13-0265	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEG2)	2,949.57	247.29
		For Factory Installed Accessory, Deduct	*-494.58*	
26 29 13 13-0266	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFG3)	6,598.04	370.93
		For Factory Installed Accessory, Deduct	*-741.86*	
26 29 13 13-0267		**NEMA 12, Reversing, Magnetic Starters** *(26 29 13 13-0239)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0268	EA	Size 0, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA2)	1,033.89	123.64
		For Factory Installed Accessory, Deduct	*-247.29*	
26 29 13 13-0269	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA4)	1,054.41	123.64
		For Factory Installed Accessory, Deduct	*-247.29*	
26 29 13 13-0270	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCA4)	1,193.09	144.25
		For Factory Installed Accessory, Deduct	*-288.50*	
26 29 13 13-0271	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDA1)	2,045.99	164.86
		For Factory Installed Accessory, Deduct	*-329.72*	

26 29 13 13-0272 NEMA 4X, Reversing, Magnetic Starters *(26 29 13 13-0239)*

Note: Brushed stainless steel enclosure.

26 29 13 13-0273	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBW14)	1,281.27	123.64
		For Factory Installed Accessory, Deduct	*-247.29*	
26 29 13 13-0274	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCW11)	1,504.66	131.89
		For Factory Installed Accessory, Deduct	*-263.77*	

26 29 13 13-0275 Magnetic Contactor/Starters Accessories *(26 29 13 13-0083)*

26 29 13 13-0276	EA	NEMA 1 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA2)	96.01	10.30
		For Factory Installed Accessory, Deduct	*-20.61*	
26 29 13 13-0277	EA	NEMA 12 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA3)	160.36	10.30
		For Factory Installed Accessory, Deduct	*-20.61*	
26 29 13 13-0278	EA	NEMA 1 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC2)	96.01	10.30
		For Factory Installed Accessory, Deduct	*-20.61*	
26 29 13 13-0279	EA	NEMA 12 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC8)	160.36	10.30
		For Factory Installed Accessory, Deduct	*-20.61*	
26 29 13 13-0280	EA	NEMA 1 And 12 Enclosure Red Pilot Light Kit, Contactor/Starter Accessory (Square D 9999SP2R)	160.36	10.30
		For Factory Installed Accessory, Deduct	*-20.61*	
26 29 13 13-0281	EA	Internal Nonconvertible Contact Block Kit, 1 Contact, Contactor/Starter Accessory (Square D 9999SX11)	80.83	8.24
		For Factory Installed Accessory, Deduct	*-16.48*	
26 29 13 13-0282	EA	External Convertible Field Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX6)	72.38	8.24
		For Factory Installed Accessory, Deduct	*-16.48*	
26 29 13 13-0283	EA	External Convertible Field Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX8)	96.01	10.30
		For Factory Installed Accessory, Deduct	*-20.61*	
26 29 13 13-0284	EA	External Field Non Convertible Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX13)	80.83	8.24
		For Factory Installed Accessory, Deduct	*-16.48*	
26 29 13 13-0285	EA	External Field Non Convertible Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX15)	107.71	10.30
		For Factory Installed Accessory, Deduct	*-20.61*	
26 29 13 13-0286	EA	30 Amp, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB6)	119.18	8.24
		For Factory Installed Accessory, Deduct	*-16.48*	
26 29 13 13-0287	EA	45 Amp, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB11)	203.03	8.24
		For Factory Installed Accessory, Deduct	*-16.48*	
26 29 13 13-0288	EA	60 Amp, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB21)	215.38	8.24
		For Factory Installed Accessory, Deduct	*-16.48*	
26 29 13 13-0289	EA	30 Amp, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB8)	257.86	10.30
		For Factory Installed Accessory, Deduct	*-20.61*	
26 29 13 13-0290	EA	45 Amp, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB13)	447.01	10.30
		For Factory Installed Accessory, Deduct	*-20.61*	
26 29 13 13-0291	EA	60 Amp, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB23)	447.01	10.30
		For Factory Installed Accessory, Deduct	*-20.61*	
26 29 13 13-0292	EA	Adapter Bracket For Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SBT1)	29.34	6.18
		For Factory Installed Accessory, Deduct	*-12.37*	
26 29 13 13-0293	EA	1 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF3)	58.08	8.24
		For Factory Installed Accessory, Deduct	*-16.48*	
26 29 13 13-0294	EA	2 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF4)	76.51	10.30
		For Factory Installed Accessory, Deduct	*-20.61*	
26 29 13 13-0295	EA	Transient Suppression Module, Contactor/Starter Accessory (Square D 9999ST1)	60.91	10.30
		For Factory Installed Accessory, Deduct	*-20.61*	
26 29 13 13-0296	EA	Terminal Block, Contactor/Starter Accessory (Square D 9999T7)	34.02	6.18
		For Factory Installed Accessory, Deduct	*-12.37*	
26 29 13 13-0297	EA	Closing Plate For NEMA 1 Enclosures, Contactor/Starter Accessory (Square D 9999SG1)	21.67	6.18
		For Factory Installed Accessory, Deduct	*-12.37*	
26 29 13 13-0298	EA	1 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R39)	104.23	8.24
		For Factory Installed Accessory, Deduct	*-16.48*	
26 29 13 13-0299	EA	2 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R40)	178.56	10.30
		For Factory Installed Accessory, Deduct	*-20.61*	

26 29 13 13-0300 Definite Purpose Starters *(26 29 13 13)*

26 29 13 13-0301 Open Enclosure, Definite Purpose Starter *(26 29 13 13-0300)*

26 29 13 13-0302	EA	Open Enclosure, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO13)	367.12	98.92
		For Factory Installed Accessory, Deduct	*-197.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0303	EA	Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO22)	366.55	98.92
		For Factory Installed Accessory, Deduct	*-197.83*	
26 29 13 13-0304	EA	Open Enclosure, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO23)	396.72	107.16
		For Factory Installed Accessory, Deduct	*-214.32*	
26 29 13 13-0305	EA	Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO32)	387.64	98.92
		For Factory Installed Accessory, Deduct	*-197.83*	
26 29 13 13-0306	EA	Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO33)	421.23	107.16
		For Factory Installed Accessory, Deduct	*-214.32*	
26 29 13 13-0307	EA	Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO42)	405.88	98.92
		For Factory Installed Accessory, Deduct	*-197.83*	
26 29 13 13-0308	EA	Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO43)	474.72	123.64
		For Factory Installed Accessory, Deduct	*-247.29*	
26 29 13 13-0309	EA	Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO52)	522.03	123.64
		For Factory Installed Accessory, Deduct	*-247.29*	
26 29 13 13-0310	EA	Open Enclosure, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO53)	652.16	144.25
		For Factory Installed Accessory, Deduct	*-288.50*	
26 29 13 13-0311		**NEMA 1, Definite Purpose Starter** *(26 29 13 13-0300)*		
26 29 13 13-0312	EA	NEMA 1, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 20 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG12)	370.58	90.67
		For Factory Installed Accessory, Deduct	*-181.34*	
26 29 13 13-0313	EA	NEMA 1, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG13)	400.75	98.92
		For Factory Installed Accessory, Deduct	*-197.83*	
26 29 13 13-0314	EA	NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG22)	399.61	98.92
		For Factory Installed Accessory, Deduct	*-197.83*	
26 29 13 13-0315	EA	NEMA 1, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG23)	431.49	107.16
		For Factory Installed Accessory, Deduct	*-214.32*	
26 29 13 13-0316	EA	NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG32)	421.27	98.92
		For Factory Installed Accessory, Deduct	*-197.83*	
26 29 13 13-0317	EA	NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG33)	455.43	107.16
		For Factory Installed Accessory, Deduct	*-214.32*	
26 29 13 13-0318	EA	NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG42)	440.65	98.92
		For Factory Installed Accessory, Deduct	*-197.83*	
26 29 13 13-0319	EA	NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG43)	508.92	123.64
		For Factory Installed Accessory, Deduct	*-247.29*	
26 29 13 13-0320	EA	NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG52)	554.52	123.64
		For Factory Installed Accessory, Deduct	*-247.29*	
26 29 13 13-0321	EA	NEMA 1, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG53)	685.22	144.25
		For Factory Installed Accessory, Deduct	*-288.50*	
26 29 13 13-0322		**Definite Purpose Starter Accessory** *(26 29 13 13-0300)*		
26 29 13 13-0323	EA	Start-Stop Push Button Kit, Definite Purpose Starter Accessory Note: Or Hand-Off-Auto Selector Switch Kit	107.71	10.30
		For Factory Installed Accessory, Deduct	*-20.61*	
26 29 13 13-0324		**Panel Mounted Miniature Contactor** *(26 29 13 13)*		
26 29 13 13-0325		**Non Reversing, Panel Mounted Miniature Contactor** *(26 29 13 13-0324)*		
26 29 13 13-0326	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	114.92	41.21
26 29 13 13-0327	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	133.42	45.34
26 29 13 13-0328	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	133.42	45.34
26 29 13 13-0329	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	147.94	49.45
26 29 13 13-0330	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	125.18	41.21

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0331	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	130.88	41.21
26 29 13 13-0332	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	143.11	45.34
26 29 13 13-0333	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	148.81	45.34
26 29 13 13-0334	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	146.53	45.34
26 29 13 13-0335	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	148.81	45.34
26 29 13 13-0336	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	159.34	49.45
26 29 13 13-0337	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	152.23	45.34
26 29 13 13-0338	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	165.04	49.45
26 29 13 13-0339	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	153.37	45.34
26 29 13 13-0340	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	153.37	45.34
26 29 13 13-0341	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	170.74	49.45
26 29 13 13-0342	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	170.74	49.45

26 29 13 13-0343 Reversing, Panel Mounted Miniature Contactor *(26 29 13 13-0324)*

26 29 13 13-0344	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	156.53	41.21
26 29 13 13-0345	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	167.93	41.21
26 29 13 13-0346	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	185.86	45.34
26 29 13 13-0347	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	185.86	45.34
26 29 13 13-0348	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	197.26	45.34
26 29 13 13-0349	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	207.79	49.45
26 29 13 13-0350	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	207.79	49.45
26 29 13 13-0351	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	177.62	41.21
26 29 13 13-0352	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	189.02	41.21
26 29 13 13-0353	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	205.81	45.34
26 29 13 13-0354	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	217.21	45.34
26 29 13 13-0355	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	231.16	49.45
26 29 13 13-0356	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	242.56	49.45
26 29 13 13-0357	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K)	199.54	45.34
26 29 13 13-0358	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K)	226.33	45.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0359	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K)	255.10	49.45
26 29 13 13-0360		**Panel Mounted Miniature Contactor Accessories** *(26 29 13 13-0324)*		
26 29 13 13-0361	EA	2 Auxiliary Contacts, 10 Amp, Panel Mounted Miniature Contactor Accessory (Square D LA1KN02)	50.16	20.61
26 29 13 13-0362	EA	4 Auxiliary Contacts, 10 Amp, Panel Mounted Miniature Contactor Accessory (Square D LA1KN40)	54.56	20.61
26 29 13 13-0363	EA	Electronic Time Delay Contact, 2 Amp, Panel Mounted Miniature Contactor Accessory (Square D LA2KT2U)	62.53	20.61
26 29 13 13-0364	EA	Overload Relay, Panel Mounted Miniature Contactor Accessory (Square D LR2K0301)	78.38	20.61
26 29 13 13-0365		**Reduced Voltage Auto Transformer Type 240-600 Volt, 3 Pole** *(26 29 13 13)*		
26 29 13 13-0366		**NEMA 1 Enclosure** *(26 29 13 13-0365)*		
26 29 13 13-0367	EA	Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	5,759.49	395.00
		For NEMA 4, Add	*619.09*	
26 29 13 13-0368	EA	Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	10,101.49	526.67
		For NEMA 4, Add	*1,130.81*	
26 29 13 13-0369	EA	Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	17,758.01	625.42
		For NEMA 4, Add	*2,063.90*	
26 29 13 13-0370	EA	Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	43,493.48	765.31
		For NEMA 4, Add	*5,246.20*	
26 29 13 13-0371	EA	Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	69,449.60	979.28
		For NEMA 4, Add	*8,436.28*	
26 29 13 13-0372		**NEMA 12 Enclosure** *(26 29 13 13-0365)*		
26 29 13 13-0373	EA	Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	5,718.24	403.40
26 29 13 13-0374	EA	Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	10,026.14	527.49
26 29 13 13-0375	EA	Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	17,620.48	623.45
26 29 13 13-0376	EA	Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	43,143.90	761.95
26 29 13 13-0377	EA	Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	68,887.44	979.69
26 29 13 13-0378		**Factory Modifications Pilot Devices** *(26 29 13 13-0365)*		
26 29 13 13-0379	EA	Start-Stop Push-button, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	145.86	
26 29 13 13-0380	EA	H-O-A Select Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	160.87	
26 29 13 13-0381	EA	Forward-Reverse-Stop, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	273.82	
26 29 13 13-0382	EA	Pilot Light, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	148.78	
26 29 13 13-0383	EA	Fused Control Circuit, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	213.93	
26 29 13 13-0384	EA	Auxiliary Interlock, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	106.96	
26 29 13 13-0385	EA	Auxiliary Relay, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	349.12	
26 29 13 13-0386		**Factory Modifications Meters** *(26 29 13 13-0365)*		
26 29 13 13-0387	EA	Ammeter And Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	1,403.35	
26 29 13 13-0388	EA	Voltmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	1,355.45	
26 29 13 13-0389	EA	Wattmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	479.19	
26 29 13 13-0390	EA	Elapsed-time Meter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	397.06	
26 29 13 13-0391		**Factory Modifications Main Circuit Breakers** *(26 29 13 13-0365)*		
26 29 13 13-0392	EA	Reduced Voltage Auto Transformer Starter, Size 3, Circuit Breaker, Factory Modification Main Circuit Breaker	1,854.73	
26 29 13 13-0393	EA	Reduced Voltage Auto Transformer Starter, Size 4, Circuit Breaker, Factory Modification Main Circuit Breaker	3,392.08	
26 29 13 13-0394	EA	Reduced Voltage Auto Transformer Starter, Size 5-7, Circuit Breaker, Factory Modification Main Circuit Breaker	7,215.29	
26 29 13 13-0395		**Factory Modifications Addition** *(26 29 13 13-0365)*		
		Note: For reversing service auto transformer type.		
26 29 13 13-0396	EA	Reduced Voltage Auto Transformer Starter, Size 3, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	311.49	
26 29 13 13-0397	EA	Reduced Voltage Auto Transformer Starter, Size 4, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	311.49	
26 29 13 13-0398	EA	Reduced Voltage Auto Transformer Starter, Size 5, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	311.49	
26 29 13 13-0399	EA	Reduced Voltage Auto Transformer Starter, Size 6, 7, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	311.49	
26 29 13 13-0400		**Combination Starters Non-Reversing** *(26 29 13 13)*		
26 29 13 13-0401		**240-600 Volts, 3-Pole** *(26 29 13 13-0400)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0402		**NEMA 1 With Disconnect Switch** *(26 29 13 13-0401)*		
26 29 13 13-0403	EA	Combination Starter, Size 0, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,069.39	189.28
		For Electronic Overloads, Add	*130.80*	
26 29 13 13-0404	EA	Combination Starter, Size 1, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,322.55	296.25
		For Electronic Overloads, Add	*137.98*	
26 29 13 13-0405	EA	Combination Starter, Size 2, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,835.64	345.63
		For Electronic Overloads, Add	*218.48*	
26 29 13 13-0406	EA	Combination Starter, Size 3, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,771.13	427.91
		For Electronic Overloads, Add	*363.64*	
26 29 13 13-0407	EA	Combination Starter, Size 4, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	5,063.22	683.03
		For Electronic Overloads, Add	*701.42*	
26 29 13 13-0408	EA	Combination Starter, Size 5, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	10,003.04	855.84
		For Electronic Overloads, Add	*1,574.84*	
26 29 13 13-0409		**NEMA 1 With Circuit Breaker** *(26 29 13 13-0401)*		
26 29 13 13-0410	EA	Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	1,341.72	189.28
		For Electronic Overloads, Add	*182.54*	
26 29 13 13-0411	EA	Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	1,594.89	296.25
		For Electronic Overloads, Add	*189.73*	
26 29 13 13-0412	EA	Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,100.41	345.63
		For Electronic Overloads, Add	*268.78*	
26 29 13 13-0413	EA	Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,914.87	427.91
		For Electronic Overloads, Add	*390.96*	
26 29 13 13-0414	EA	Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	5,887.79	683.03
		For Electronic Overloads, Add	*858.09*	
26 29 13 13-0415	EA	Combination Starter, Size 5, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	12,189.30	855.84
		For Electronic Overloads, Add	*1,990.23*	
26 29 13 13-0416		**Factory Modifications For NEMA 1 Enclosure** *(26 29 13 13-0401)*		
26 29 13 13-0417	EA	Start-Stop Push-button, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	124.02	
26 29 13 13-0418	EA	H-O-A Select Switch, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	291.29	
26 29 13 13-0419	EA	Pilot Light, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	201.04	
26 29 13 13-0420		**NEMA 4 With Disconnect Switch** *(26 29 13 13-0401)*		
26 29 13 13-0421	EA	Combination Starter, Size 0, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,922.61	246.88
		For Electronic Overloads, Add	*268.78*	
26 29 13 13-0422	EA	Combination Starter, Size 1, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,138.23	345.63
		For Electronic Overloads, Add	*275.97*	
26 29 13 13-0423	EA	Combination Starter, Size 2, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,031.44	378.54
		For Electronic Overloads, Add	*431.20*	
26 29 13 13-0424	EA	Combination Starter, Size 3, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	4,780.03	460.84
		For Electronic Overloads, Add	*734.48*	
26 29 13 13-0425	EA	Combination Starter, Size 4, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	7,559.64	683.03
		For Electronic Overloads, Add	*1,175.74*	
26 29 13 13-0426	EA	Combination Starter, Size 5, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	16,372.70	855.84
		For Electronic Overloads, Add	*2,785.07*	
26 29 13 13-0427		**NEMA 4 With Circuit Breaker** *(26 29 13 13-0401)*		
26 29 13 13-0428	EA	Combination Starter, Size 0, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,194.95	246.88
		For Electronic Overloads, Add	*320.53*	
26 29 13 13-0429	EA	Combination Starter, Size 1, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,410.57	345.63
		For Electronic Overloads, Add	*327.71*	
26 29 13 13-0430	EA	Combination Starter, Size 2, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,296.22	378.54
		For Electronic Overloads, Add	*481.51*	
26 29 13 13-0431	EA	Combination Starter, Size 3, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	4,923.76	460.84
		For Electronic Overloads, Add	*761.79*	
26 29 13 13-0432	EA	Combination Starter, Size 4, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	8,384.21	683.03
		For Electronic Overloads, Add	*1,332.41*	
26 29 13 13-0433	EA	Combination Starter, Size 5, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	15,517.86	855.84
		For Electronic Overloads, Add	*2,622.65*	
26 29 13 13-0434		**Factory Modifications For NEMA 4 Enclosure** *(26 29 13 13-0401)*		
26 29 13 13-0435	EA	Start-Stop Push-button, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt	124.04	
26 29 13 13-0436	EA	H-0-A Select Switch, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt	291.29	
26 29 13 13-0437	EA	Pilot Light, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt	201.04	
26 29 13 13-0438		**NEMA 12 With Disconnect Switch** *(26 29 13 13-0401)*		
26 29 13 13-0439	EA	Combination Starter, Size 0, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,103.81	190.51
		For Electronic Overloads, Add	*137.34*	
26 29 13 13-0440	EA	Combination Starter, Size 1, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,358.86	298.14
		For Electronic Overloads, Add	*144.88*	
26 29 13 13-0441	EA	Combination Starter, Size 2, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,893.13	342.91
		For Electronic Overloads, Add	*229.40*	
26 29 13 13-0442	EA	Combination Starter, Size 3, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,866.83	428.58
		For Electronic Overloads, Add	*381.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0443	EA	Combination Starter, Size 4, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	5,247.80	685.83
		For Electronic Overloads, Add	*736.49*	
26 29 13 13-0444	EA	Combination Starter, Size 5, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	10,417.46	857.15
		For Electronic Overloads, Add	*1,653.58*	
26 29 13 13-0445		**NEMA 12 With Circuit Breaker** *(26 29 13 13-0401)*		
26 29 13 13-0446	EA	Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	1,429.00	190.51
		For Electronic Overloads, Add	*199.12*	
26 29 13 13-0447	EA	Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	1,685.60	298.14
		For Electronic Overloads, Add	*206.96*	
26 29 13 13-0448	EA	Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,228.91	342.91
		For Electronic Overloads, Add	*293.20*	
26 29 13 13-0449	EA	Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,101.78	428.58
		For Electronic Overloads, Add	*426.47*	
26 29 13 13-0450	EA	Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	6,298.04	685.83
		For Electronic Overloads, Add	*936.04*	
26 29 13 13-0451	EA	Combination Starter, Size 5, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	13,140.82	857.15
		For Electronic Overloads, Add	*2,171.02*	
26 29 13 13-0452		**Factory Modifications For NEMA 12 Enclosure** *(26 29 13 13-0401)*		
26 29 13 13-0453	EA	Start-Stop Push-button, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt	123.00	
26 29 13 13-0454	EA	H-O-A Select Switch, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt	288.87	
26 29 13 13-0455	EA	Pilot Light, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt	199.37	
26 29 13 13-0456		**NEMA 7 Or 9 With Circuit Breaker** *(26 29 13 13-0401)*		
26 29 13 13-0457	EA	Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,487.19	395.00
26 29 13 13-0458	EA	Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,367.34	526.67
26 29 13 13-0459	EA	Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,702.46	724.17
26 29 13 13-0460	EA	Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	5,477.27	987.51
26 29 13 13-0461	EA	Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	8,224.57	1,382.51
26 29 13 13-0462		**Factory Modifications For NEMA 7 Or 9 Enclosure** *(26 29 13 13-0401)*		
26 29 13 13-0463	EA	Start-Stop Push-button, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt	737.56	
26 29 13 13-0464	EA	H-0-A Select Switch, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt	737.56	
26 29 13 13-0465	EA	Pilot Light, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt	737.56	
26 29 13 13-0466		**Combination Starters Reversing** *(26 29 13 13)*		
26 29 13 13-0467		**240-600 Volt, 3 Pole** *(26 29 13 13-0466)*		
26 29 13 13-0468		**NEMA 1 With Disconnect Switch** *(26 29 13 13-0467)*		
26 29 13 13-0469	EA	Combination Starter, Size 0, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	1,328.33	246.88
26 29 13 13-0470	EA	Combination Starter, Size 1, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	1,561.06	345.63
26 29 13 13-0471	EA	Combination Starter, Size 2, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,225.07	378.54
26 29 13 13-0472	EA	Combination Starter, Size 3, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	3,338.82	460.84
26 29 13 13-0473	EA	Combination Starter, Size 4, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	6,449.35	683.03
26 29 13 13-0474		**NEMA 1 With Circuit Breaker** *(26 29 13 13-0467)*		
26 29 13 13-0475	EA	Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	1,472.02	246.88
26 29 13 13-0476	EA	Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	1,714.45	345.63
26 29 13 13-0477	EA	Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,404.63	378.54
26 29 13 13-0478	EA	Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	3,091.61	460.84
26 29 13 13-0479	EA	Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	6,935.04	683.03
26 29 13 13-0480		**NEMA 12 With Disconnect Switch** *(26 29 13 13-0467)*		
26 29 13 13-0481	EA	Combination Starter, Size 0, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	1,411.89	254.03
26 29 13 13-0482	EA	Combination Starter, Size 1, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	1,650.22	342.91
26 29 13 13-0483	EA	Combination Starter, Size 2, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,374.09	381.01
26 29 13 13-0484	EA	Combination Starter, Size 3, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	3,585.76	457.21
26 29 13 13-0485	EA	Combination Starter, Size 4, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	6,966.56	685.83
26 29 13 13-0486		**NEMA 12 With Circuit Breaker** *(26 29 13 13-0467)*		
26 29 13 13-0487	EA	Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	1,570.22	254.03
26 29 13 13-0488	EA	Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	1,819.23	342.91
26 29 13 13-0489	EA	Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,571.94	381.01
26 29 13 13-0490	EA	Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	3,313.38	457.21
26 29 13 13-0491	EA	Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	7,501.71	685.83
26 29 13 13-0492		**NEMA 7 Or 9 With Circuit Breaker** *(26 29 13 13-0467)*		
26 29 13 13-0493	EA	Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	3,028.44	526.67
26 29 13 13-0494	EA	Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	3,277.43	658.33

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0495	EA	Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	4,689.34	855.84
26 29 13 13-0496	EA	Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	7,399.24	1,119.17
26 29 13 13-0497	EA	Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	13,372.38	1,514.17
26 29 13 13-0498		Solid State Motor Controllers *(26 29 13 13)*		
26 29 13 13-0499		Adjustable Voltage Drives, DC Motors *(26 29 13 13-0498)*		
26 29 13 13-0500	EA	0.5-1.5 HP DC Solid State Motor Controller, Reversing With Dynamic Braking	1,040.09	148.12
26 29 13 13-0501	EA	0.5-2.0 HP DC Solid State Motor Controller, Non-Reversing With Dynamic Braking	1,241.16	148.12
26 29 13 13-0502		Removal And Reinstallation Of Motor Starters *(26 29 13 13)* Note: Includes storage and cleaning.		
26 29 13 13-0503	EA	Remove And Reinstall Motor Starter With Disconnect Up To 25 HP	587.80	
26 29 13 13-0504		Auxiliary Devices *(26 29 13 13)*		
26 29 13 13-0505	EA	Auxiliary Contact, Normally Open	321.13	82.30
26 29 13 13-0506	EA	Auxiliary Contact, Normally Closed	321.13	82.30
26 29 13 13-0507	EA	Pilot Light Kit	336.92	82.30
26 29 23		**Variable-Frequency Motor Controllers** ***(26 29)***		
26 29 23 00-0001		208/230 Volt Variable Frequency Drives *(26 29 23)* Note: 1 or 3 phase. Wall mounted. ABB ACH550 or ACS550 Series. Includes full voltage bypass. NEMA 1 enclosure.		
26 29 23 00-0002	EA	3/4 HP, 208/230 Volt Variable Frequency Drive	1,399.17	166.67
26 29 23 00-0003	EA	1 HP, 208/230 Volt Variable Frequency Drive	1,570.17	166.67
26 29 23 00-0004	EA	1-1/2 HP, 208/230 Volt Variable Frequency Drive	1,826.17	166.67
26 29 23 00-0005	EA	2 HP, 208/230 Volt Variable Frequency Drive	1,994.17	166.67
26 29 23 00-0006	EA	3 HP, 208/230 Volt Variable Frequency Drive	2,102.17	166.67
26 29 23 00-0007	EA	5 HP, 208/230 Volt Variable Frequency Drive	2,166.36	166.67
26 29 23 00-0008	EA	7.5 HP, 208/230 Volt Variable Frequency Drive	2,415.64	250.49
26 29 23 00-0009	EA	10 HP, 208/230 Volt Variable Frequency Drive	2,939.24	250.49
26 29 23 00-0010	EA	15 HP, 208/230 Volt Variable Frequency Drive	3,561.05	333.23
26 29 23 00-0011	EA	20 HP, 208/230 Volt Variable Frequency Drive	4,119.09	333.23
26 29 23 00-0012	EA	25 HP, 208/230 Volt Variable Frequency Drive	5,125.19	417.07
26 29 23 00-0013	EA	30 HP, 208/230 Volt Variable Frequency Drive	6,390.97	417.07
26 29 23 00-0014	EA	40 HP, 208/230 Volt Variable Frequency Drive	7,804.15	489.71
26 29 23 00-0015	EA	50 HP, 208/230 Volt Variable Frequency Drive	8,773.33	585.50
26 29 23 00-0016	EA	60 HP, 208/230 Volt Variable Frequency Drive	9,944.33	585.50
26 29 23 00-0017	EA	75 HP, 208/230 Volt Variable Frequency Drive	11,733.33	585.50
26 29 23 00-0018		460/480 Volt Variable Frequency Drives *(26 29 23)* Note: 3 Phase. ABB ACH550 or ACS550 Series. Includes full voltage bypass. NEMA 1 enclosure.		
26 29 23 00-0019	EA	3 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	1,896.67	146.32
26 29 23 00-0020	EA	5 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	2,035.17	166.67
26 29 23 00-0021	EA	7.5 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	2,162.64	250.49
26 29 23 00-0022	EA	10 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	2,397.17	250.50
26 29 23 00-0023	EA	15 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	3,030.05	333.23
26 29 23 00-0024	EA	20 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	3,542.35	333.25
26 29 23 00-0025	EA	25 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	4,447.19	417.08
26 29 23 00-0026	EA	30 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	5,076.97	417.07
26 29 23 00-0027	EA	40 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	6,095.15	489.71
26 29 23 00-0028	EA	50 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	7,216.33	585.50
26 29 23 00-0029	EA	60 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	8,386.51	626.01
26 29 23 00-0030	EA	75 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	9,495.68	666.52
26 29 23 00-0031	EA	100 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	11,354.55	706.82
26 29 23 00-0032	EA	125 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	13,473.33	746.53
26 29 23 00-0033	EA	150 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	15,504.37	834.10
26 29 23 00-0034	EA	200 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	20,859.05	914.49
26 29 23 00-0035	EA	250 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	26,855.76	995.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 23 00-0036	EA	300 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	31,623.19	1,166.44
26 29 23 00-0037	EA	350 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	36,728.09	1,321.29
26 29 23 00-0038	EA	400 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	43,001.65	1,493.06
26 29 23 00-0039	EA	450 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	46,412.05	1,677.56

26 30 Facility Electrical Power Generating And Storing Equipment
(26)

26 31 Photovoltaic Collectors *(26 30)*

26 31 00 00-0001 Photovoltaic Collectors *(26 31)*
Note: All materials are to be installed per manufacturers specifications and must be in compliance with the California Energy Commission Guidlines (CEC-300-2011-005-CMF). See CSI section 26 28 13 00-0078 for fuses.

26 31 00 00-0002 Rigid Photovoltaic Modules *(26 31)*

26 31 00 00-0003 Sanyo Rigid Photovoltaic Modules *(26 31 00 00-0002)*

26 31 00 00-0004	EA	205 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.3% Module Efficiency (Sanyo HIP-205NHKA6)	1,068.40	78.18
		For >50, Deduct	*-91.21*	
26 31 00 00-0005	EA	210 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.7% Module Efficiency (Sanyo HIP-210NHKA6)	1,185.33	78.18
		For >50, Deduct	*-102.90*	
26 31 00 00-0006	EA	215 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 17.1% Module Efficiency (Sanyo HIP-215HNKA6)	1,111.67	78.18
		For >50, Deduct	*-95.53*	

26 31 00 00-0007 Sharp Rigid Photovoltaic Modules *(26 31 00 00-0002)*

26 31 00 00-0008	EA	224 Watt Polycrystalline Photovoltaic Module, 64.6" x 39.1", 13.74% Module Efficiency (Sharp ND-224UC1)	894.18	78.18
		For >50, Deduct	*-73.78*	
26 31 00 00-0009	EA	230 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.1% Module Efficiency (Sharp NU-U230F3)	1,012.28	78.18
		For >50, Deduct	*-85.59*	
26 31 00 00-0010	EA	235 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.4% Module Efficiency (Sharp NU-U235F1)	1,030.99	78.18
		For >50, Deduct	*-87.46*	
26 31 00 00-0011	EA	240 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.7% Module Efficiency (Sharp NU-U240F1)	972.52	78.18
		For >50, Deduct	*-81.62*	

26 31 00 00-0012 BP Solar Rigid Photovoltaic Modules *(26 31 00 00-0002)*
Note: Approved for applications in NEC Class 1, Division 2, Groups C and D hazardous locations.

26 31 00 00-0013	EA	50 Watt Polycrystalline Photovoltaic Module, 33" x 21.1" (BP SX350J)	459.14	78.18
		For >50, Deduct	*-30.28*	
26 31 00 00-0014	EA	75 Watt Polycrystalline Photovoltaic Module, 47.6" x 21.14" (BP SX375J)	558.53	78.18
		For >50, Deduct	*-40.22*	
26 31 00 00-0015	EA	80 Watt Polycrystalline Photovoltaic Module, 47.6" x 20.9" (BP SX380J)	598.29	78.18
		For >50, Deduct	*-44.19*	

26 31 00 00-0016 Photovoltaic Inverters *(26 31)*

26 31 00 00-0017 Fronius Photovoltaic Inverters *(26 31 00 00-0016)*

26 31 00 00-0018	EA	3 KW Photovoltaic Inverter (Fronius IG Plus 3.0-1)	2,941.67	82.30
26 31 00 00-0019	EA	5 KW Photovoltaic Inverter (Fronius IG Plus 5.0-1)	4,700.29	82.30
26 31 00 00-0020	EA	6 KW Photovoltaic Inverter (Fronius IG Plus 6.0-1)	4,840.61	82.30
26 31 00 00-0021	EA	7.5 KW Photovoltaic Inverter (Fronius IG Plus 7.5-1)	5,881.29	82.30
26 31 00 00-0022	EA	10 KW Photovoltaic Inverter (Fronius IG Plus 10.0-1)	6,479.05	82.30
26 31 00 00-0023	EA	12 KW Photovoltaic Inverter (Fronius IG Plus 12.0-3-1)	7,525.32	82.30
26 31 00 00-0024	EA	11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3 Delta)	8,536.49	164.58
26 31 00 00-0025	EA	11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3)	8,653.42	164.58
26 31 00 00-0026	EA	Inverter Display Stand (Fronius 4,045,894)	247.99	41.14

26 31 00 00-0027 SMA Photovoltaic Inverters *(26 31 00 00-0016)*

26 31 00 00-0028	EA	4 KW AC Photovoltaic Inverter (SMA SB 4000US)	3,046.90	82.30
26 31 00 00-0029	EA	5 KW AC Photovoltaic Inverter (SMA SB 5000US)	3,929.73	82.30
26 31 00 00-0030	EA	6 KW AC Photovoltaic Inverter (SMA SB 6000US)	4,151.89	82.30
26 31 00 00-0031	EA	7 KW AC Photovoltaic Inverter (SMA SB 7000US)	4,443.05	82.30
26 31 00 00-0032	EA	8 KW AC Photovoltaic Inverter (SMA SB 8000US)	4,840.61	82.30
26 31 00 00-0033	EA	36 KW AC Tower Photovoltaic Inverter (SMA ST36)	24,827.76	329.17
26 31 00 00-0034	EA	42 KW AC Tower Photovoltaic Inverter (SMA ST42)	26,809.72	329.17

26 31 00 00-0035 PVPowered Photovoltaic Inverters *(26 31 00 00-0016)*

26 31 00 00-0036	EA	120 Volt, 1.1 KW Photovoltaic Inverter (PVPowered PVP1100)	2,439.02	82.30
26 31 00 00-0037	EA	240 Volt, 2 KW Photovoltaic Inverter (PVPowered PVP2000)	2,549.15	82.30
26 31 00 00-0038	EA	240 Volt, 2.5 KW Photovoltaic Inverter (PVPowered PVP2500)	2,812.51	82.30
26 31 00 00-0039	EA	240 Volt, 3.5 KW Photovoltaic Inverter (PVPowered PVP3500)	3,337.27	102.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0040	EA	208 Volt, 4.6 KW Photovoltaic Inverter (PVPowered PVP4600)	4,067.93	123.44
26 31 00 00-0041	EA	240 Volt, 4.8 KW Photovoltaic Inverter (PVPowered PVP4800)	4,101.45	123.44
26 31 00 00-0042	EA	240 Volt, 5.2 KW Photovoltaic Inverter (PVPowered PVP5200)	4,324.58	123.44
26 31 00 00-0043	EA	208 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW)	54,215.81	658.33
26 31 00 00-0044	EA	480 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW)	48,439.47	658.33
26 31 00 00-0045	EA	208 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW)	60,658.66	658.33
26 31 00 00-0046	EA	480 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW)	54,626.24	658.33
26 31 00 00-0047		**Solectria Photovoltaic Inverters** *(26 31 00 00-0016)*		
26 31 00 00-0048	EA	208 Or 480 Volt, 10 KW Photovoltaic Inverter (Solectria PVI)	8,085.08	164.58
26 31 00 00-0049	EA	208 Or 480 Volt, 13 KW Photovoltaic Inverter (Solectria PVI)	8,085.08	164.58
26 31 00 00-0050	EA	208 Volt, 15 KW, Photovoltaic Inverter (Solectria PVI)	8,319.32	164.58
26 31 00 00-0051	EA	480 Volt, 15 KW Photovoltaic Inverter (Solectria PVI)	8,319.32	164.58
26 31 00 00-0052	EA	208 Volt, 50 KW Photovoltaic Inverter (Solectria PVI)	25,322.34	493.75
26 31 00 00-0053	EA	480 Volt, 50 KW Photovoltaic Inverter (Solectria PVI)	24,151.15	493.75
26 31 00 00-0054	EA	208 Volt, 60 KW Photovoltaic Inverter (Solectria PVI)	27,664.73	493.75
26 31 00 00-0055	EA	480 Volt, 60 KW Photovoltaic Inverter (Solectria PVI)	27,014.07	493.75
26 31 00 00-0056	EA	208 Volt, 75 KW Photovoltaic Inverter (Solectria PVI)	29,356.46	493.75
26 31 00 00-0057	EA	480 Volt, 75 KW Photovoltaic Inverter (Solectria PVI)	28,055.13	493.75
26 31 00 00-0058	EA	208 Volt, 85 KW Photovoltaic Inverter (Solectria PVI)	30,986.96	658.33
26 31 00 00-0059	EA	480 Volt, 85 KW Photovoltaic Inverter (Solectria PVI)	29,555.50	658.33
26 31 00 00-0060	EA	208 Volt, 100 KW Photovoltaic Inverter (Solectria PVI)	32,158.15	658.33
26 31 00 00-0061	EA	480 Volt, 100 KW Photovoltaic Inverter (Solectria PVI)	30,466.43	658.33
26 31 00 00-0062		**Xantrex Photovoltaic Inverters** *(26 31 00 00-0016)*		
26 31 00 00-0063	EA	0.6 KW Photovoltaic Inverter (Xantrex 806-1206)	344.28	20.58
26 31 00 00-0064	EA	1 KW Photovoltaic Inverter (Xantrex 806-1210)	374.39	20.58
26 31 00 00-0065	EA	2 KW Photovoltaic Inverter (Xantrex 806-1220)	595.67	20.58
26 31 00 00-0066		**Photovoltaic DC-DC Converters** *(26 31)*		
26 31 00 00-0067	EA	15 Amp, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-20) Note: Hazardous locations.	211.39	30.86
26 31 00 00-0068	EA	20 Amp, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-23)	145.91	30.86
26 31 00 00-0069	EA	60 Amp, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-60)	379.77	30.86
26 31 00 00-0070		**Photovoltaic Combiner Boxes** *(26 31)*		
26 31 00 00-0071		**Midnight Solar Photovoltaic Combiner Boxes** *(26 31 00 00-0070)*		
26 31 00 00-0072	EA	3 - 150 Volt DC Breaker Or 3 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV3)	248.77	82.30
26 31 00 00-0073	EA	6 - 150 Volt DC Breaker Or 4 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV6)	267.48	82.30
26 31 00 00-0074	EA	12 - 150 Volt DC Breaker Or 10 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12)	422.28	123.44
26 31 00 00-0075	EA	6 - 300 Volt DC Breaker, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12-250)	432.80	123.44
26 31 00 00-0076	EA	16, 600 Volt DC Breakers, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV16)	638.60	123.44
26 31 00 00-0077		**SMA Photovoltaic Combiner Boxes** *(26 31 00 00-0070)*		
26 31 00 00-0078	EA	6 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SBCB-6)	572.67	82.30
26 31 00 00-0079	EA	12 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-12)	731.69	82.30
26 31 00 00-0080	EA	28 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-28)	1,516.01	164.58
26 31 00 00-0081	EA	52 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-52)	2,407.02	164.58
26 31 00 00-0082	EA	4 Input NEMA 3R, Steel Combination DC Disconnect And Photovoltaic Combiner Box (SMA Combi-Switch)	825.23	82.30
26 31 00 00-0083		**Photovoltaic Charge Controller** *(26 31)*		
26 31 00 00-0084	EA	35 Amp, 12 Or 24 Volt, Charge Controller (Xantrex C-35)	171.63	30.86
26 31 00 00-0085	EA	40 Amp, 12 Or 24 Volt, Charge Controller (Xantrex C-40)	224.25	30.86
26 31 00 00-0086	EA	60 Amp, 12 Or 24 Volt, Charge Controller (Xantrex C-60)	259.33	30.86
26 31 00 00-0087	EA	Remote Digital Meter For Xantrex C-35, 40 And 60	202.04	30.86
26 31 00 00-0088	EA	MPPT Charge Controller (Xantrex XW SCC)	669.23	41.14
26 31 00 00-0089		**Photovoltaic Batteries** *(26 31)*		
26 31 00 00-0090		**Concorde Photovoltaic Batteries** *(26 31 00 00-0089)*		
26 31 00 00-0091	EA	34 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-340T)	150.89	12.35
26 31 00 00-0092	EA	45 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-420T)	190.67	16.46
26 31 00 00-0093	EA	49 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-490T)	205.91	16.46
26 31 00 00-0094	EA	56 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-560T)	238.68	24.69
26 31 00 00-0095	EA	69 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-690T)	270.23	24.69
26 31 00 00-0096	EA	89 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-890T)	320.52	28.80
26 31 00 00-0097	EA	104 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1040T)	367.46	32.91
26 31 00 00-0098	EA	108 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1080T)	363.47	32.91
26 31 00 00-0099	EA	210 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2120T)	656.62	39.09
26 31 00 00-0100	EA	255 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2580T)	757.49	41.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0101		**Deka Photovoltaic Batteries** *(26 31 00 00-0089)*		
26 31 00 00-0102	EA	31 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8GU1)	161.65	20.61
26 31 00 00-0103	EA	50 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G22NF)	218.94	20.61
26 31 00 00-0104	EA	74 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G24)	318.33	20.61
26 31 00 00-0105	EA	86 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G27)	362.77	20.61
26 31 00 00-0106	EA	98 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G31)	363.94	20.61
26 31 00 00-0107	EA	183 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G4D)	696.02	20.61
26 31 00 00-0108	EA	225 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G8D)	803.59	20.61
26 31 00 00-0109		**Battery Enclosures** *(26 31 00 00-0089)*		
26 31 00 00-0110	EA	14" x 12" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge 55-2501-010)	181.46	20.58
26 31 00 00-0111	EA	22" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS1GC)	851.53	20.61
26 31 00 00-0112	EA	37" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS2GCL)	801.25	20.61
26 31 00 00-0113	EA	37" x 16" x 14.5" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS4GC)	1,064.35	20.61
26 31 00 00-0114	EA	15" x 17.1" x 8.4" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSLCF1)	479.70	20.61
26 31 00 00-0115	EA	31" x 36" x 14" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSBR827BP)	1,114.63	20.61
26 31 00 00-0116		**Photovoltaic System Monitoring** *(26 31)*		
26 31 00 00-0117	EA	Solar Inverter Monitor (Xantrex 864-0203)	381.87	41.14
26 31 00 00-0118	EA	Photovoltaic System Monitoring, Remote Diagnosis, Data Storage Communication Hub (SMA Sunny WebBox)	646.84	20.58
26 31 00 00-0119	EA	Sun Radiation And Temperature Monitor (SMA Sunny SensorBox)	622.28	20.58
26 31 00 00-0120	EA	PT100 Ambient Temperature Sensor For Sunny SensorBox (SMA)	94.93	20.58
26 31 00 00-0121	EA	Wind Sensor Accessory For Sunny SensorBox (SMA)	222.62	41.14
26 31 00 00-0122	EA	Sunny Boy Control with RS485 (SMA)	858.48	20.58
26 31 00 00-0123	EA	RS 485 Module (SMA)	181.46	20.58
26 31 00 00-0124	EA	RS 232 Module (SMA)	181.46	20.58
26 31 00 00-0125	EA	Wireless Monitor with Bluetooth (SMA Sunny Beam)	417.89	
26 31 00 00-0126	EA	Bluetooth Piggy-Back Computer Card (SMA)	235.24	20.58
26 31 00 00-0127	EA	RS485-N Communication Computer Card (SMA)	166.26	20.58
26 31 00 00-0128	EA	Bluetooth Repeater (SMA)	657.36	20.58
26 31 00 00-0129	EA	Sunny Boy PC Service Cable (SMA)	226.33	6.17
26 31 00 00-0130	EA	Integrated Revenue Grade Meter, Option (PVPowered)	2,999.25	
26 31 00 00-0131	EA	Data Monitoring Module (PVPowered PVM1010)	319.43	20.58
26 31 00 00-0132	EA	Wireless IG Personal Display (Fronius 4,240,108)	392.16	
26 31 00 00-0133	EA	DatCom Power Supply (Fronius 43,0001,2311)	108.75	
26 31 00 00-0134	EA	Wireless Card For IG Personal Display (Fronius 4,240,008,Z)	194.32	20.58
26 31 00 00-0135	EA	Retrofit Solar Inverter Interface And Power Supply Option Communication Card (Fronius 4,240,001,Z)	189.64	20.58
26 31 00 00-0136	EA	Datalogger Pro Box (Fronius 4,240,102)	809.37	20.58
26 31 00 00-0137	EA	Datalogger Easy Box (Fronius 4,240,103)	526.40	20.58
26 31 00 00-0138	EA	Datalogger Interface Box (Fronius 4,240,105)	913.44	20.58
26 31 00 00-0139	EA	Datalogger Web (Fronius 4,240,122)	1,447.81	20.58
26 31 00 00-0140	EA	Interface Box (Fronius 4,240,109)	422.33	20.58
26 31 00 00-0141	EA	Interface Card (Fronius 4,240,009,Z)	258.63	20.58
26 31 00 00-0142	EA	Interface Card Easy (Fronius 4,240,013,Z)	234.07	20.58
26 31 00 00-0143	EA	Sensor Box (Fronius 4,240,104)	809.37	20.58
26 31 00 00-0144	EA	Ambient Temperature Sensor (Fronius 43,0001,1188)	96.10	20.58
26 31 00 00-0145	EA	Irradiance Sensor (Fronius 43,0001,1188)	294.88	20.58
26 31 00 00-0146	EA	Module Temperature Sensor (Fronius 43,0001,1190)	156.90	20.58
26 31 00 00-0147	EA	Wind Speed Sensor (Fronius 42,0411,0027)	174.67	41.14
26 31 00 00-0148		**Photovoltaic System Accessories** *(26 31)*		
26 31 00 00-0149	EA	Four Inverter Bypass Switch (OutBack AC-IOB-100Q)	516.38	41.14
26 31 00 00-0150	EA	Line Communication Filter (Enphase LCF)	1,027.46	82.30
26 31 00 00-0151	EA	15 Meter RS 485 Communication Cable (SMA)	128.11	6.17
26 31 00 00-0152	EA	15 Meter RS 232 Communication Cable (SMA)	128.11	6.17
26 31 00 00-0153	EA	24" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	21.37	2.03
26 31 00 00-0154	EA	36" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	22.54	2.03
26 31 00 00-0155	EA	48" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	23.71	2.03
26 31 00 00-0156	EA	72" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	26.05	2.03
26 31 00 00-0157	EA	120" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	29.56	2.03
26 31 00 00-0158	EA	240" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	47.43	4.07
26 31 00 00-0159	EA	360" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	63.80	4.07
26 31 00 00-0160	EA	420" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	76.97	6.11
26 31 00 00-0161	EA	36" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	26.63	2.03
26 31 00 00-0162	EA	120" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	36.57	2.03
26 31 00 00-0163	EA	240" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	54.44	4.07
26 31 00 00-0164	EA	360" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	71.98	4.07
26 31 00 00-0165	EA	600" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	117.65	8.15
26 31 00 00-0166	EA	1200" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	180.21	8.15
26 31 00 00-0167	EA	Lighting Kit, 9W Fluorescent, 12 V 4.5 Amp Hour Battery Note: Tamper proof enclosure.	2,090.39	222.19
26 31 00 00-0168		**Photovoltaic Mounting Systems** *(26 31)*		
26 31 00 00-0169	LF	Anodized Aluminum Photovoltaic Module Mounting Rail (UNIRAC SolarMount Standard)	7.93	2.05

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0170	EA	Splice Bar For Photovoltaic Module Mounting Rail (UNIRAC 310229)	24.44	10.28
26 31 00 00-0171	EA	Splice Plate For Photovoltaic Module Mounting Rail (UNIRAC 310216)	29.91	10.28
26 31 00 00-0172	EA	8" x 3/8" Hanger Bolt (UNIRAC 310046) Note: Supports mounting rail above tile or metal roof.	15.27	4.12
26 31 00 00-0173	EA	Mounting Rail Grounding Clip (UNIRAC 980006) Note: One grounding clip for every two top mounting clamps (end clamps + mid clamps) in your installation. Only one of the two rails in each row requires grounding clips.	7.70	3.09
26 31 00 00-0174	EA	Mounting Rail Grounding Lugs (UNIRAC 980012) Note: Two grounding lugs for each rail splice and one additional lug for each rail.	15.53	4.12
26 31 00 00-0175	EA	Anodized Aluminum Photovoltaic Module Mounting End Clamp (UNIRAC 320002) Note: Four for each row of modules you plan to mount.	4.19	1.37
26 31 00 00-0176	EA	Anodized Aluminum Photovoltaic Module Mounting Mid Clamp (UNIRAC 320008) Note: For each row, take one less than the number of modules in the row and multiply that figure by 2.	4.36	1.37
26 31 00 00-0177	EA	Photovoltaic Module Mount L-Feet (UNIRAC 310065)	11.27	4.12
26 31 00 00-0178	EA	12" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310121) Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.	66.02	20.58
26 31 00 00-0179	EA	30" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310122) Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.	71.92	20.58
26 31 00 00-0180	EA	44" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310123) Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.	77.15	20.58
26 31 00 00-0181	EA	12" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310107) Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	97.08	30.86
26 31 00 00-0182	EA	44" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310108) Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	115.41	30.86
26 31 00 00-0183	EA	72" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310109) Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	132.44	30.86
26 31 00 00-0184	EA	18" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310111) Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	148.44	41.14
26 31 00 00-0185	EA	64" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310112) Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	192.96	41.14
26 31 00 00-0186	EA	104" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310110) Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	272.08	61.72
26 31 00 00-0187	EA	Ballasted Photovoltaic Module Frame (UNIRAC 310351) Note: Excludes ballast.	129.82	
26 31 00 00-0188	EA	Ballasted Photovoltaic Module Frame With Module Mount (UNIRAC 310355) Note: Excludes ballast.	239.06	
26 31 00 00-0189	EA	3" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310051)	53.36	20.58
26 31 00 00-0190	EA	4" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310052)	53.91	20.58
26 31 00 00-0191	EA	6" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310053)	54.45	20.58
26 31 00 00-0192	EA	7" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310054)	55.76	20.58
26 31 00 00-0193	EA	3" High Aluminum Photovoltaic Module Standoff (UNIRAC 310553)	49.93	20.58
26 31 00 00-0194	EA	4" High Aluminum Photovoltaic Module Standoff (UNIRAC 310554)	50.58	20.58
26 31 00 00-0195	EA	6" High Aluminum Photovoltaic Module Standoff (UNIRAC 310555)	51.94	20.58
26 31 00 00-0196	EA	7" High Aluminum Photovoltaic Module Standoff (UNIRAC 310556)	52.71	20.58
26 31 00 00-0197	EA	3" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310390)	91.35	30.86
26 31 00 00-0198	EA	4" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310391)	91.68	30.86
26 31 00 00-0199	EA	7" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310394)	92.46	30.86
26 31 00 00-0200	EA	Photovoltaic Module Rapidfoot Standoff Assembly (UNIRAC 310370)	97.73	30.86
26 31 00 00-0201	EA	Photovoltaic Module Standoff Flashing (UNIRAC 990103)	19.03	4.12
26 31 00 00-0202	EA	Photovoltaic Module Standoff Ethylene Propylene Diene Monomer (EPDM) Patch (UNIRAC 990161)	12.83	4.12
26 31 00 00-0203	EA	1/4" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004030M-0100)	26.24	6.17
26 31 00 00-0204	EA	3/8" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004031M-0100)	27.55	6.17
26 31 00 00-0205	EA	Photovoltaic Module Standing Seam Metal Roof Mounting Clamp (UNIRAC 004032M-0100) Note: Mid or end clamp.	6.67	1.37
26 31 00 00-0206	EA	Photovoltaic Module Tile Roof Mounting Hook (UNIRAC 905011C-0024)	29.46	4.12
26 31 00 00-0207	EA	Photovoltaic Module Wire Clip (UNIRAC 908002S-0100)	1.73	

26 32 Packaged Generator Assemblies *(26 30)*

26 32 13 Engine Generators *(26 32)*

See CSI section 23 13 23 13-0001 for fuel storage tanks.

26 32 13 13 Diesel-Engine-Driven Generator Sets *(26 32 13)*

26 32 13 13-0001 Diesel Generator Sets *(26 32 13 13)*

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad. Includes manufacturer's representative at startup. Excludes fuel tank, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0643 for loadbank rental, 23 13 23 13-0001 for fuel day tank, 26 36 23 00-0000 for automatic transfer switch.

26 32 13 13-0002	EA	25 KW Diesel Generator Set, 3 Phase (Cummins DSKCA)	15,643.43	714.70
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*2,897.30*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*9,090.54*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*7,377.03*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*14,267.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0003	EA	35 KW Diesel Generator Set, 3 Phase (Cummins DSFAA)	19,744.68	879.97
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*2,897.30*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*9,090.54*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*7,377.03*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*14,267.57*	
26 32 13 13-0004	EA	40 KW Diesel Generator Set, 3 Phase (Cummins DSFAB)	20,362.98	964.84
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*2,897.30*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*9,090.54*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*7,377.03*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*14,267.57*	
26 32 13 13-0005	EA	50 KW Diesel Generator Set, 3 Phase (Cummins DSFAC)	21,891.85	1,107.78
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*2,897.30*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*9,090.54*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*7,377.03*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*14,267.57*	
26 32 13 13-0006	EA	60 KW Diesel Generator Set, 3 Phase (Cummins DSFAD)	23,434.07	1,273.05
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*2,897.30*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*9,090.54*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*7,377.03*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*14,267.57*	
26 32 13 13-0007	EA	80 KW Diesel Generator Set, 3 Phase (Cummins DSFAE)	26,155.87	1,491.93
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*2,897.30*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*9,090.54*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*7,377.03*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*14,267.57*	
26 32 13 13-0008	EA	100 KW Diesel Generator Set, 3 Phase (Cummins DSGAA)	30,526.13	1,733.14
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*4,394.59*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*13,898.65*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*9,464.86*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*15,171.62*	
26 32 13 13-0009	EA	125 KW Diesel Generator Set, 3 Phase (Cummins DSGAB)	31,697.63	2,054.76
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*4,394.59*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*13,898.65*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*9,464.86*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*15,171.62*	
26 32 13 13-0010	EA	150 KW Diesel Generator Set, 3 Phase (Cummins DSGAC)	34,939.19	2,264.70
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*4,394.59*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*13,898.65*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*9,464.86*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*15,171.62*	
26 32 13 13-0011	EA	175 KW Diesel Generator Set, 3 Phase (Cummins DSHAB)	40,452.55	2,528.25
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*4,394.59*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*13,898.65*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*9,464.86*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*15,171.62*	
26 32 13 13-0012	EA	200 KW Diesel Generator Set, 3 Phase (Cummins DSHAC)	43,267.00	2,769.46
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*4,394.59*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*13,898.65*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*9,464.86*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*15,171.62*	
26 32 13 13-0013	EA	230 KW Diesel Generator Set, 3 Phase (Cummins DSHAD)	48,457.71	2,925.80
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*4,394.59*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*13,898.65*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*9,464.86*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*15,171.62*	
26 32 13 13-0014	EA	250 KW Diesel Generator Set, 3 Phase (Cummins DQDAA)	50,630.34	3,046.41
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*28,500.00*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*42,077.03*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*34,566.22*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*51,433.78*	
26 32 13 13-0015	EA	275 KW Diesel Generator Set, 3 Phase (Cummins DQHAA)	55,161.08	3,211.68
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*28,500.00*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*42,077.03*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*34,566.22*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*51,433.78*	
26 32 13 13-0016	EA	300 KW Diesel Generator Set, 3 Phase (Cummins DQHAB)	56,300.53	3,354.62
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*28,500.00*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*42,077.03*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*34,566.22*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*51,433.78*	
26 32 13 13-0017	EA	350 KW Diesel Generator Set, 3 Phase (Cummins DFEG)	63,972.53	3,752.17
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*28,500.00*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*42,077.03*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*34,566.22*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*51,433.78*	
26 32 13 13-0018	EA	400 KW Diesel Generator Set, 3 Phase (Cummins DFEH)	69,199.33	4,109.52
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*28,500.00*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*42,077.03*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*34,566.22*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*51,433.78*	
26 32 13 13-0019	EA	450 KW Diesel Generator Set, 3 Phase (Cummins DFEJ)	78,493.29	4,426.67
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*28,500.00*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*42,077.03*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*34,566.22*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*51,433.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0020	EA	500 KW Diesel Generator Set, 3 Phase (Cummins DFEK)	82,868.59	4,717.01
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*28,500.00*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*42,077.03*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*34,566.22*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*51,433.78*	
26 32 13 13-0021	EA	600 KW Diesel Generator Set, 3 Phase (Cummins DQCA)	120,517.58	5,194.97
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*58,220.27*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*93,481.08*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*68,478.38*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*108,904.05*	
26 32 13 13-0022	EA	750 KW Diesel Generator Set, 3 Phase (Cummins DQCB)	137,920.51	5,713.12
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*58,220.27*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*93,481.08*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*68,478.38*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*108,904.05*	
26 32 13 13-0023	EA	800 KW Diesel Generator Set, 3 Phase (Cummins DQCC)	143,980.19	5,838.20
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*58,220.27*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*93,481.08*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*68,478.38*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*108,904.05*	
26 32 13 13-0024	EA	900 KW Diesel Generator Set, 3 Phase (Cummins DQFAC)	175,369.37	6,293.81
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*58,220.27*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*93,481.08*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*68,478.38*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*108,904.05*	
26 32 13 13-0025	EA	1,000 KW Diesel Generator Set, 3 Phase (Cummins DQFAD)	195,463.74	6,700.31
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*58,220.27*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*93,481.08*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*68,478.38*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*108,904.05*	

26 32 13 19 Natural Gas-Engine-Driven Generator Sets *(26 32 13)*

26 32 13 19-0001 Natural Gas Or Propane Generator Sets *(26 32 13 19)*

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad. Includes manufacturer's representative at startup. Excludes fuel tank, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0643 for loadbank rental, 26 36 23 00-0000 for automatic transfer switches.

26 32 13 19-0002	EA	20 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMA)	12,470.01	598.56
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*2,635.14*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*9,090.54*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*2,854.05*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*4,735.14*	
26 32 13 19-0003	EA	25 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMB)	14,092.08	714.70
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*2,635.14*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*9,090.54*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*2,854.05*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*4,735.14*	
26 32 13 19-0004	EA	29 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMC)	15,080.75	795.11
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*2,635.14*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*9,090.54*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*2,854.05*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*4,735.14*	
26 32 13 19-0005	EA	35 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPA)	16,422.20	879.97
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*2,635.14*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*9,090.54*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*8,072.97*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*13,550.00*	
26 32 13 19-0006	EA	40 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPB)	16,917.19	964.84
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*2,635.14*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*9,090.54*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*8,072.97*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*13,550.00*	
26 32 13 19-0007	EA	45 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPC)	17,452.96	1,040.78
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*2,635.14*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*9,090.54*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*8,072.97*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*13,550.00*	
26 32 13 19-0008	EA	60 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHE)	18,980.29	1,273.05
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*2,635.14*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*9,090.54*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*8,072.97*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*13,550.00*	
26 32 13 19-0009	EA	70 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHF)	20,195.40	1,424.93
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*2,635.14*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*9,090.54*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*8,072.97*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*13,550.00*	
26 32 13 19-0010	EA	85 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHG)	24,177.75	1,523.20
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,802.70*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*13,898.65*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*9,464.86*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*13,550.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0011	EA	100 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHH)	26,242.24	1,715.28
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,802.70*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*13,898.65*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*9,464.86*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*13,550.00*	
26 32 13 19-0012	EA	125 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLA)	32,893.77	2,054.76
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,802.70*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*13,898.65*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*9,464.86*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*13,550.00*	
26 32 13 19-0013	EA	150 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLB)	37,461.92	2,264.70
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,802.70*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*13,898.65*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*9,464.86*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*13,550.00*	
26 32 13 19-0014	EA	175 KW Natural Gas Generator Set, 3 Phase (Cummins GFBA)	90,414.60	6,023.93
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*25,629.73*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*37,828.38*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*28,022.97*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*42,051.35*	
26 32 13 19-0015	EA	205 KW Natural Gas Generator Set, 3 Phase (Cummins GFBB)	96,329.29	2,720.33
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*25,629.73*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*37,828.38*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*28,022.97*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*42,051.35*	
26 32 13 19-0016	EA	250 KW Natural Gas Generator Set, 3 Phase (Cummins GFBC)	97,552.81	3,046.41
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*25,629.73*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*37,828.38*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*28,022.97*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*42,051.35*	
26 32 13 19-0017	EA	300 KW Natural Gas Generator Set, 3 Phase (Cummins GFEA)	134,105.72	3,354.62
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*25,629.73*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*37,828.38*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*28,022.97*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*42,051.35*	
26 32 13 19-0018	EA	350 KW Natural Gas Generator Set, 3 Phase (Cummins GFEB)	135,471.64	3,752.17
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*25,629.73*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*37,828.38*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*28,022.97*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*42,051.35*	
26 32 13 19-0019	EA	450 KW Natural Gas Generator Set, 3 Phase (Cummins GFGA)	190,417.93	4,426.67
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*55,963.51*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*79,281.08*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*63,564.86*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*89,839.19*	
26 32 13 19-0020	EA	500 KW Natural Gas Generator Set, 3 Phase (Cummins GFJB)	259,113.44	4,717.01
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*55,963.51*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*79,281.08*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*63,564.86*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*89,839.19*	
26 32 13 19-0021	EA	550 KW Natural Gas Generator Set, 3 Phase (Cummins GFJC)	272,654.02	4,971.63
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*55,963.51*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*79,281.08*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*63,564.86*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*89,839.19*	
26 32 13 19-0022	EA	600 KW Natural Gas Generator Set, 3 Phase (Cummins GFLA)	310,612.32	5,194.97
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*55,963.51*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*79,281.08*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*63,564.86*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*89,839.19*	
26 32 13 19-0023	EA	650 KW Natural Gas Generator Set, 3 Phase (Cummins GFLB)	324,781.89	5,391.51
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*55,963.51*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*79,281.08*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*63,564.86*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*89,839.19*	
26 32 13 19-0024	EA	725 KW Natural Gas Generator Set, 3 Phase (Cummins GFLC)	343,520.42	5,762.26
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*55,963.51*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*79,281.08*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*63,564.86*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*89,839.19*	

26 32 13 19-0025 Small Natural Gas Or Propane Air Cooled Generator Sets *(26 32 13 19)*

26 32 13 19-0026	EA	7.5 KW Natural Gas Or Propane Air Cooled Generator Set Note: Includes weatherproof composite enclosure and 100 A automatic transfer switch.	3,060.91	380.95
26 32 13 19-0027	EA	10 KW Natural Gas Or Propane Air Cooled Generator Set Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	3,846.56	423.29
26 32 13 19-0028	EA	14 KW Natural Gas Or Propane Air Cooled Generator Set Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	4,402.80	451.41

26 32 13 26 AC To DC Electrical Conversion *(26 32 13)*

26 32 13 26-0001 60 Hz AC Input 230 Or 460 Volts, 125 Volt DC Output *(26 32 13 26)*

26 32 13 26-0002	EA	3 KW, 24 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	4,982.47	164.58
26 32 13 26-0003	EA	5 KW, 40 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	6,052.85	164.58

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 26-0004	EA	7.5 KW, 60 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	7,994.32	164.58
26 32 13 26-0005	EA	10 KW, 80 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	8,056.62	164.58
26 32 13 26-0006	EA	15 KW, 120 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	8,953.65	205.73
26 32 13 26-0007	EA	20 KW, 160 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	9,689.10	205.73
26 32 13 26-0008	EA	25 KW, 200 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	10,141.36	205.73
26 32 13 26-0009	EA	40 KW, 320 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	12,360.17	271.56
26 32 13 26-0010	EA	50 KW, 400 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	13,723.63	271.56
26 32 13 26-0011		60 Hz AC Input, 230 Or 460 Volts, 250 Volts DC Output *(26 32 13 26)*		
26 32 13 26-0012	EA	3 KW, 12 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	5,757.37	164.58
26 32 13 26-0013	EA	5 KW, 20 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	6,851.23	164.58
26 32 13 26-0014	EA	7.5 KW, 30 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	7,825.72	164.58
26 32 13 26-0015	EA	10 KW, 40 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	8,040.81	164.58
26 32 13 26-0016	EA	15 KW, 60 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	9,116.38	205.73
26 32 13 26-0017	EA	20 KW, 80 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	10,016.67	205.73
26 32 13 26-0018	EA	25 KW, 100 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	10,344.24	205.73
26 32 13 26-0019	EA	40 KW, 160 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	12,311.57	271.56
26 32 13 26-0020	EA	50 KW, 200 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	13,053.35	271.56
26 32 29		**Rotary Converters** *(26 32)*		
26 32 29 00-0001		460 Volt 3 Phase AC Motor Drive 250 Volt DC *(26 32 29)*		
26 32 29 00-0002	EA	33 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	15,623.42	3,126.81
26 32 29 00-0003	EA	40 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	17,439.21	3,126.81
26 32 29 00-0004	EA	50 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	19,892.69	4,466.87
26 32 29 00-0005	EA	65 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	23,075.19	4,466.87
26 32 29 00-0006	EA	85 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	26,078.14	4,466.87
26 32 29 00-0007	EA	100 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	30,791.21	6,700.31
26 32 29 00-0008	EA	125 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	37,523.17	6,700.31
26 32 29 00-0009		4,160 Volt 3 Phase AC Motor Drive 250 Or 500 Volt DC *(26 32 29)*		
26 32 29 00-0010	EA	170 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	53,651.88	8,933.74
26 32 29 00-0011	EA	200 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	58,510.60	8,933.74
26 32 29 00-0012	EA	240 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	70,324.98	11,613.86
26 32 29 00-0013	EA	320 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	80,030.79	14,115.31
26 32 29 00-0014	EA	400 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	94,567.65	14,115.31
26 32 29 00-0015	EA	560 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	133,821.94	21,083.63
26 32 29 00-0016	EA	640 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	138,910.75	21,083.63
26 32 29 00-0017	EA	800 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	159,636.75	24,567.78
26 33		Battery Equipment *(26 30)*		
26 33 13		**Batteries** *(26 33)*		
26 33 13 00-0001		Standby Batteries *(26 33 13)*		
26 33 13 00-0002	EA	12 Volt, 100 Amp Hours To 10.5 Volts Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery	610.37	20.61
26 33 13 00-0003	EA	12 Volt, 100 Amp Hours To 10.5 Volts Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery With Steel Jacket	658.60	20.61
26 33 13 00-0004	EA	725CCA, Group 31, 12 Volt Lead Calcium Standby Battery	188.96	20.61
26 33 13 00-0005	EA	810CCA, Group 24, 12 Volt Lead Calcium Standby Battery	172.71	20.61
26 33 13 00-0006	EA	1080CCA, Group 4D, 12 Volt Lead Calcium Standby Battery	288.58	20.61
26 33 13 00-0007	EA	1400CCA, Group 8D, 12 Volt Lead Calcium Standby Battery	333.48	20.61
26 33 43		**Battery Chargers** *(26 33)*		
26 33 43 00-0001		Solid State Chargers, Single Phase *(26 33 43)* Note: Includes wall bracket, 10' of DC charging cable and standard connector, 208/240/480 V.		
26 33 43 00-0002	EA	Solid State Battery Charger, 6 Cell Single Phase With Wall Bracket, 208/240/480 Volt	1,918.25	470.21
26 33 43 00-0003	EA	Solid State Battery Charger, 9 Cell Single Phase With Wall Bracket, 208/240/480 Volt	2,221.82	470.21
26 33 43 00-0004	EA	Solid State Battery Charger, 12 Cell Single Phase With Wall Bracket, 208/240/480 Volt	2,442.87	470.21
26 33 43 00-0005	EA	Solid State Battery Charger, 18 Cell Single Phase With Wall Bracket, 208/240/480 Volt	2,593.43	556.72
26 33 53		**Static Uninterruptible Power Supply** *(26 33)*		
26 33 53 00-0001		Single Phase, Uninterruptible Power Supply Systems (UPS) *(26 33 53)*		
26 33 53 00-0002		Single Phase, Uninterruptible Power Supply Systems (UPS) *(26 33 53 00-0001)*		
26 33 53 00-0003		120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) *(26 33 53 00-0002)* Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0004	EA	0.5 kVA, 450 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-500RT120) Note: Includes 12 minutes of battery backup at full load.	769.17	81.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0005	EA	0.7 kVA, 630 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT120) Note: Includes 6 minutes of battery backup at full load.	918.55	95.04
26 33 53 00-0006	EA	1 kVA, 900 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT120) Note: Includes 5 minutes of battery backup at full load.	1,131.38	108.62
26 33 53 00-0007	EA	1.5 KVA, 1,350 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT120) Note: Includes 5 minutes of battery backup at full load.	1,381.07	122.21
26 33 53 00-0008	EA	2 KVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT120) Note: Includes 4 minutes of battery backup at full load.	1,770.16	135.79
26 33 53 00-0009	EA	3 KVA, 2,700 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT120) Note: Includes 4 minutes of battery backup at full load.	2,927.87	190.10
26 33 53 00-0010		208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) *(26 33 53 00-0002)* Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0011	EA	3 KVA, 2,700 Watt, 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT208) Note: Includes 4 minutes of battery backup at full load.	2,875.77	190.10
26 33 53 00-0012		120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) *(26 33 53 00-0002)* Note: Rack mount or tower configuration. Includes 50 or 60 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0013	EA	5 KVA, 4,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT208) Note: Includes 5 minutes of battery backup at full load.	4,305.93	217.25
26 33 53 00-0014	EA	6 KVA, 4,800 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT208) Note: Includes 4 minutes of battery backup at full load.	4,709.53	244.41
26 33 53 00-0015	EA	8 KVA, 7,200 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-8000RT208) Note: Includes 7 minutes of battery backup at full load.	7,035.68	298.72
26 33 53 00-0016	EA	10 KVA, 9,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT208) Note: Includes 4-1/2 minutes of battery backup at full load.	8,085.91	325.87
26 33 53 00-0017		230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) *(26 33 53 00-0002)* Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0018	EA	0.7 KVA, 630 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT230) Note: Includes 11 minutes of battery backup at full load.	918.55	95.04
26 33 53 00-0019	EA	1 KVA, 900 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT230) Note: Includes 6 minutes of battery backup at full load.	1,131.38	108.62
26 33 53 00-0020	EA	1.5 KVA, 1,350 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT230) Note: Includes 4 minutes of battery backup at full load.	1,396.46	122.21
26 33 53 00-0021	EA	2 KVA, 1,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT230) Note: Includes 4 minutes of battery backup at full load.	1,773.87	135.79
26 33 53 00-0022	EA	3 KVA, 2,700 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT230) Note: Includes 4 minutes of battery backup at full load.	2,939.44	190.10
26 33 53 00-0023	EA	5 KVA, 4,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT230) Note: Includes 9 minutes of battery backup at full load.	4,131.94	217.25
26 33 53 00-0024	EA	6 KVA, 4,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT230) Note: Includes 6 minutes of battery backup at full load.	5,071.27	244.41
26 33 53 00-0025	EA	10 KVA, 9,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT230) Note: Includes 3 minutes of battery backup at full load.	7,837.19	325.87
26 33 53 00-0026		Optional Accessories For Single Phase, Uninterruptible Power Supply Systems *(26 33 53 00-0001)*		
26 33 53 00-0027	EA	External Battery Cabinet For 0.5 To 2 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-48VBATT) Note: Rack mount or tower configuration.	621.75	54.31
26 33 53 00-0028	EA	External Battery Cabinet For 3 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-72VBATT) Note: Rack mount or tower configuration.	778.26	54.31

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0029	EA	External Battery Cabinet For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATT)	843.14	81.47
		Note: Rack mount or tower configuration.		
26 33 53 00-0030	EA	External Battery Cabinet For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTVBATT)	718.92	108.62
		Note: Rack mount or tower configuration.		
26 33 53 00-0031	EA	Replacement Internal Battery For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATKIT)	654.70	81.47
26 33 53 00-0032	EA	Replacement Internal Battery For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTBKIT)	736.99	108.62
26 33 53 00-0033		Three Phase, Uninterruptible Power Supply Systems (UPS) *(26 33 53)*		
26 33 53 00-0034		Three Phase, Uninterruptible Power Supply Systems (UPS) *(26 33 53 00-0033)*		
26 33 53 00-0035		480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) *(26 33 53 00-0034)*		
		Note: Includes start-up, 60 Hz frequency, bypass switch and diagnostics.		
26 33 53 00-0036	EA	30 kVA, 24 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA030A0A6E)	20,736.76	706.07
		For 208/208 Volt AC, Add	*795.73*	
		For MBC 2-Breaker, Add	*4,056.74*	
		For 34 Minute Battery, Add	*10,237.73*	
26 33 53 00-0037	EA	40 kVA, 32 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA040A0A6E)	24,715.41	869.01
		For 208/208 Volt AC, Add	*888.26*	
		For MBC 2-Breaker, Add	*4,551.96*	
		For 23 Minute Battery, Add	*11,041.49*	
		For 37 Minute Battery, Add	*12,605.65*	
26 33 53 00-0038	EA	50 kVA, 40 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA050A0A6E)	27,286.64	1,086.26
		For 208/208 Volt AC, Add	*1,003.24*	
		For MBC 2-Breaker, Add	*4,551.96*	
		For 18 Minute Battery, Add	*10,402.31*	
		For 28 Minute Battery, Add	*12,737.31*	
		For 35 Minute Battery, Add	*13,502.01*	
26 33 53 00-0039	EA	65 kVA, 52 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA065A0A6E)	31,039.66	1,357.82
		For 208/208 Volt AC, Add	*1,161.62*	
		For MBC 2-Breaker, Add	*5,573.39*	
		For 12 Minute Battery, Add	*11,451.69*	
		For 19 Minute Battery, Add	*13,070.95*	
		For 25 Minute Battery, Add	*13,827.49*	
		For 30 Minute Battery, Add	*18,403.93*	
26 33 53 00-0040	EA	80 kVA, 64 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA080A0A6E)	33,092.39	1,629.38
		For 208/208 Volt AC, Add	*1,161.62*	
		For MBC 3-Breaker, Add	*5,573.39*	
		For 15 Minute Battery, Add	*13,194.39*	
		For 19 Minute Battery, Add	*15,081.26*	
		For 33 Minute Battery, Add	*24,576.06*	
26 33 53 00-0041	EA	100 kVA, 80 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA100A0A6E)	35,792.26	1,900.95
		For 208/208 Volt AC, Add	*1,298.62*	
		For MBC 3-Breaker, Add	*6,009.58*	
		For 11 Minute Battery, Add	*13,984.00*	
		For 17 Minute Battery, Add	*20,962.89*	
		For 25 Minute Battery, Add	*25,421.35*	
		For 35 Minute Battery, Add	*28,597.86*	
26 33 53 00-0042	EA	130 kVA, 104 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA130A0A6E)	39,075.43	2,172.52
		For 208/208 Volt AC, Add	*1,366.18*	
		For MBC 3-Breaker, Add	*6,532.17*	
		For 11 Minute Battery, Add	*19,417.56*	
		For 17 Minute Battery, Add	*23,323.07*	
		For 25 Minute Battery, Add	*31,081.56*	
		For 30 Minute Battery, Add	*37,518.41*	
26 33 53 00-0043	EA	225 kVA, 180 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Series 610, U39SA229AAAK)	49,496.32	2,444.08
		For Customer Alarm Interface, Add	*393.61*	
		For Alarm Status Contacts, Add	*474.19*	
		For Maintenance Bypass Interface, Add	*554.77*	
		For Communication Interface, Add	*619.86*	
		For Flush Mount Remote Status Panel, Add	*781.03*	
		For SNMP, Add	*976.29*	
		For Load Bus Sync Board, Add	*1,456.68*	
		For Input Filter with Disconnect, Add	*1,907.94*	
		For Isolation Transformer, Add	*6,260.63*	
		For Two Breaker Matching Maintenance Bypass Cabinet, Add	*6,972.86*	
		For Load Bus Sync Control Panel With Start Up, Add	*7,000.13*	
		For Three Breaker Matching Maintenance Bypass Cabinet, Add	*7,530.73*	
		For VRLA 12 Minute Battery, Add	*33,132.96*	
		For VRLA 14 Minute Battery, Add	*35,678.13*	
		For VRLA 22 Minute Battery, Add	*44,743.89*	
		For VRLA 37 Minute Battery, Add	*66,597.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0044	EA	300 kVA, 240 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Series 610, U39SA300AAAA)	63,563.90	2,715.64
		For Customer Alarm Interface, Add	*393.61*	
		For Alarm Status Contacts, Add	*474.19*	
		For Maintenance Bypass Interface, Add	*554.77*	
		For Communication Interface, Add	*619.86*	
		For Flush Mount Remote Status Panel, Add	*781.03*	
		For SNMP, Add	*976.29*	
		For Load Bus Sync Board, Add	*1,456.68*	
		For Input Filter with Disconnect, Add	*2,083.36*	
		For Load Bus Sync Control Panel With Start Up, Add	*7,000.13*	
		For Isolation Transformer, Add	*7,351.60*	
		For Two Breaker Matching Maintenance Bypass Cabinet, Add	*8,410.94*	
		For Three Breaker Matching Maintenance Bypass Cabinet, Add	*9,628.97*	
		For VRLA 14 Minute Battery, Add	*44,793.27*	
		For VRLA 17 Minute Battery, Add	*53,200.36*	
		For VRLA 26 Minute Battery, Add	*66,655.01*	
26 33 53 00-0045	EA	500 kVA, 400 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Series 610, U39SA500AAAA)	99,958.46	3,258.77
		For Customer Alarm Interface, Add	*501.09*	
		For Alarm Status Contacts, Add	*603.67*	
		For Maintenance Bypass Interface, Add	*706.25*	
		For Communication Interface, Add	*789.11*	
		For Flush Mount Remote Status Panel, Add	*994.29*	
		For SNMP, Add	*1,242.86*	
		For Load Bus Sync Board, Add	*1,854.42*	
		For Input Filter with Disconnect, Add	*5,900.12*	
		For Two Breaker Maintenance Bypass Switchboard, Add	*8,199.69*	
		For Load Bus Sync Control Panel With Start Up, Add	*8,965.92*	
		For 12 Pulse With Isolation Transformer, Add	*11,178.39*	
		For Three Breaker Maintenance Bypass Switchboard, Add	*12,468.80*	
		For VRLA 12 Minute Battery, Add	*71,912.39*	

26 33 53 00-0046 Optional Accessories For Three Phase, Uninterruptible Power Supply Systems *(26 33 53 00-0033)*

26 33 53 00-0047	EA	Programmable Relay Board For Liebert® Npower™ Uninterruptible Power Supply Systems	452.98	41.14
26 33 53 00-0048	EA	Network Interface Card For Liebert® Npower™ Uninterruptible Power Supply Systems	727.57	41.14
26 33 53 00-0049	EA	Remote Status Panel With 100' Of Cable For Liebert® Npower™ Uninterruptible Power Supply Systems	1,401.80	82.30
26 33 53 00-0050	EA	Slim Line Distribution Panel With Two 42 Pole Panels For Liebert® Npower™ Uninterruptible Power Supply Systems	4,371.37	329.17
26 33 53 00-0051	EA	Replacement 12 Volt, 3 Phase, 134 Amp Hours, Battery For Uninterruptible Power Supply Systems (C&D UPS12-490MR)	322.42	41.14
26 33 53 00-0052	EA	Replacement 12 Volt, 204 Watts, 3 Phase, 55 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX200)	178.27	41.14
26 33 53 00-0053	EA	Replacement 12 Volt, 257 Watts, 3 Phase, 65 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX250)	199.31	41.14
26 33 53 00-0054	EA	Replacement 12 Volt, 311 Watts, 3 Phase, 75 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX300)	220.34	41.14
26 33 53 00-0055	EA	Replacement 12 Volt, 374 Watts, 3 Phase, 90 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX350)	258.20	41.14
26 33 53 00-0056	EA	Replacement 12 Volt, 415 Watts, 3 Phase, 100 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX400)	270.82	41.14
26 33 53 00-0057	EA	Replacement 12 Volt, 493 Watts, 3 Phase, 135 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX500)	336.03	41.14
26 33 53 00-0058	EA	Replacement 12 Volt, 540 Watts, 3 Phase, 150 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX540)	351.80	41.14

26 33 53 00-0059 Other Uninterruptable Power Supply Equipment *(26 33 53)*

26 33 53 00-0060	EA	Uninterrupted Power Supply Slim-Line Distribution Panel 42 Pole GE Plug-In	3,145.23	75.23
26 33 53 00-0061	EA	Uninterrupted Power Supply Slim-Line Distribution Panel 84 Pole GE Plug-In	3,812.03	150.47
26 33 53 00-0062	EA	GE Plug-In Breakers 1 Pole 15- 60A For UPS Distribution Panel	18.31	4.51
26 33 53 00-0063	EA	GE Plug-In Breakers 2 Pole 15- 40A For UPS Distribution Panel	31.94	5.64
26 33 53 00-0064	EA	GE Plug-In Breakers 2 Pole 50- 80A For UPS Distribution Panel	57.76	5.64
26 33 53 00-0065	EA	GE Plug-In Breakers 3 Pole 15- 60A For UPS Distribution Panel	84.24	7.52
26 33 53 00-0066	EA	GE Plug-In Breakers 3 Pole 70- 100A For UPS Distribution Panel	118.32	7.52
26 33 53 00-0067	EA	Uninterrupted Power Supply Remote Status Panel	2,164.19	75.23
26 33 53 00-0068	EA	Uninterrupted Power Supply Remote Contact Board	732.45	56.43

26 35 Power Filters And Conditioners *(26 30)*

26 35 33 Power Factor Correction Equipment *(26 35)*

26 35 33 00-0001 Power Factor Correction Capacitors *(26 35 33)*

26 35 33 00-0002	EA	Power Factor Correction Capacitors, 2.0 KVAC	413.06
26 35 33 00-0003	EA	Power Factor Correction Capacitors, 3.0 KVAC	457.47
26 35 33 00-0004	EA	Power Factor Correction Capacitors, 4.0 KVAC	501.89
26 35 33 00-0005	EA	Power Factor Correction Capacitors, 5.0 KVAC	544.53
26 35 33 00-0006	EA	Power Factor Correction Capacitors, 7.5 KVAC	668.89
26 35 33 00-0007	EA	Power Factor Correction Capacitors, 10.0 KVAC	817.23
26 35 33 00-0008	EA	Power Factor Correction Capacitors, 15.0 KVAC	1,262.27
26 35 33 00-0009	EA	Power Factor Correction Capacitors, 20.0 KVAC	1,533.20

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 35 33 00-0010	EA	Power Factor Correction Capacitors, 25.0 KVAC	1,980.90	
26 35 33 00-0011	EA	Power Factor Correction Capacitors, 30.0 KVAC	2,252.72	
26 35 33 00-0012	EA	Power Factor Correction Capacitors, 50.0 KVAC	3,952.92	
26 35 33 00-0013	EA	Power Factor Correction Capacitors, 75.0 KVAC	5,943.59	
26 35 33 00-0014	EA	Power Factor Correction Capacitors, 100.0 KVAC	7,925.38	
26 35 33 00-0015	EA	Power Factor Correction Capacitors, Fuse Kit	367.75	

26 35 43 Static-Frequency Converters *(26 35)*

26 35 43 00-0001 Rotary Phase Converter With NEMA 1 Indoor Enclosure *(26 35 43)*

26 35 43 00-0002	EA	750 Watt Output Rotary Phase Converter With NEMA 1 Enclosure	397.66	82.30
26 35 43 00-0003	EA	2 KW Output Rotary Phase Converter With NEMA 1 Enclosure	678.02	98.75
26 35 43 00-0004	EA	3 KW Output Rotary Phase Converter With NEMA 1 Enclosure	779.40	131.67
26 35 43 00-0005	EA	5 KW Output Rotary Phase Converter With NEMA 1 Enclosure	1,065.48	164.58
26 35 43 00-0006	EA	7 KW Output Rotary Phase Converter With NEMA 1 Enclosure	1,461.23	213.96
26 35 43 00-0007	EA	11 KW Output Rotary Phase Converter With NEMA 1 Enclosure	1,881.73	263.33
26 35 43 00-0008	EA	15 KW Output Rotary Phase Converter With NEMA 1 Enclosure	2,351.73	312.71
26 35 43 00-0009	EA	21 KW Output Rotary Phase Converter With NEMA 1 Enclosure	2,854.78	353.86
26 35 43 00-0010	EA	29 KW Output Rotary Phase Converter With NEMA 1 Enclosure	3,324.65	427.91
26 35 43 00-0011	EA	36 KW Output Rotary Phase Converter With NEMA 1 Enclosure	3,802.88	481.41
26 35 43 00-0012	EA	44 KW Output Rotary Phase Converter With NEMA 1 Enclosure	4,281.11	534.90
26 35 43 00-0013	EA	55 KW Output Rotary Phase Converter With NEMA 1 Enclosure	5,307.67	646.00
26 35 43 00-0014	EA	74 KW Output Rotary Phase Converter With NEMA 1 Enclosure	6,870.39	777.66
26 35 43 00-0015	EA	87 KW Output Rotary Phase Converter With NEMA 1 Enclosure	8,692.78	946.36
26 35 43 00-0016	EA	110 KW Output Rotary Phase Converter With NEMA 1 Enclosure	9,954.22	1,106.83
26 35 43 00-0017	EA	125 KW Output Rotary Phase Converter With NEMA 1 Enclosure	12,733.83	1,234.38
26 35 43 00-0018	EA	165 KW Output Rotary Phase Converter With NEMA 1 Enclosure	19,250.51	1,398.96
26 35 43 00-0019	EA	220 KW Output Rotary Phase Converter With NEMA 1 Enclosure	28,489.69	1,563.55

26 35 53 Voltage Regulators *(26 35)*

26 35 53 00-0001 Voltage Regulators, 480/277 Or 208/120 Volt, 3 Phase *(26 35 53)*

Note: For diesel motor generator sets mounted in switchgear cabinet.

26 35 53 00-0002	EA	50 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	4,298.46	1,308.45
26 35 53 00-0003	EA	75 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	4,979.36	1,645.84
26 35 53 00-0004	EA	100 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	5,606.34	1,958.55

26 36 Transfer Switches *(26 30)*

26 36 13 Manual Transfer Switches *(26 36)*

26 36 13 00-0001 Fused Manual Transfer Switches *(26 36 13)*

26 36 13 00-0002	EA	30 Amp Manual Transfer Switch, Fused, 3 Pole, 480 Volt	1,050.28	144.01
26 36 13 00-0003	EA	60 Amp Manual Transfer Switch, Fused, 3 Pole, 480 Volt	1,218.96	178.90

26 36 23 Automatic Transfer Switches *(26 36)*

26 36 23 00-0001 Automatic Transfer Switch *(26 36 23)*

26 36 23 00-0002 Automatic Transfer Switch, 2 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 23 00-0001)*

Note: Programmable, 120/240 volt single phase, 3 wire.

26 36 23 00-0003	EA	100 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	1,742.59	296.30
26 36 23 00-0004	EA	225 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	2,361.90	380.95
26 36 23 00-0005	EA	400 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	3,715.87	507.94
26 36 23 00-0006	EA	600 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	8,269.84	634.93

26 36 23 00-0007 Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 23 00-0001)*

26 36 23 00-0008	EA	40 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC40)	2,766.09	211.64
		For NEMA 3R Enclosure, Add	*574.33*	
		For NEMA 4 Enclosure, Add	*608.11*	
		For NEMA 12 Enclosure, Add	*608.11*	
26 36 23 00-0009	EA	70 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC70)	3,197.01	253.97
		For NEMA 3R Enclosure, Add	*574.33*	
		For NEMA 4 Enclosure, Add	*608.11*	
		For NEMA 12 Enclosure, Add	*608.11*	
26 36 23 00-0010	EA	125 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC125)	3,520.78	296.30
		For NEMA 3R Enclosure, Add	*574.33*	
		For NEMA 4 Enclosure, Add	*608.11*	
		For NEMA 12 Enclosure, Add	*608.11*	
26 36 23 00-0011	EA	150 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC150)	4,183.39	338.63
		For NEMA 3R Enclosure, Add	*675.68*	
		For NEMA 4 Enclosure, Add	*878.38*	
		For NEMA 12 Enclosure, Add	*608.11*	
26 36 23 00-0012	EA	225 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC225)	4,774.77	380.95
		For NEMA 3R Enclosure, Add	*675.68*	
		For NEMA 4 Enclosure, Add	*878.38*	
		For NEMA 12 Enclosure, Add	*608.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0013	EA	260 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC260)	5,270.13	423.29
		For NEMA 3R Enclosure, Add	*675.68*	
		For NEMA 4 Enclosure, Add	*878.38*	
		For NEMA 12 Enclosure, Add	*608.11*	
26 36 23 00-0014	EA	300 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC300)	5,515.23	465.61
		For NEMA 3R Enclosure, Add	*797.30*	
		For NEMA 4 Enclosure, Add	*945.95*	
		For NEMA 12 Enclosure, Add	*675.68*	
26 36 23 00-0015	EA	400 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC400)	6,230.49	507.94
		For NEMA 3R Enclosure, Add	*797.30*	
		For NEMA 4 Enclosure, Add	*945.95*	
		For NEMA 12 Enclosure, Add	*675.68*	
26 36 23 00-0016	EA	600 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC600)	8,516.29	634.93
		For NEMA 3R Enclosure, Add	*797.30*	
		For NEMA 4 Enclosure, Add	*945.95*	
		For NEMA 12 Enclosure, Add	*675.68*	
26 36 23 00-0017	EA	800 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC800)	9,568.74	761.91
		For NEMA 3R Enclosure, Add	*979.73*	
		For NEMA 4 Enclosure, Add	*1,081.09*	
		For NEMA 12 Enclosure, Add	*945.95*	
26 36 23 00-0018	EA	1,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1000)	12,390.36	1,015.88
		For NEMA 3R Enclosure, Add	*979.73*	
		For NEMA 4 Enclosure, Add	*1,081.09*	
		For NEMA 12 Enclosure, Add	*945.95*	
26 36 23 00-0019	EA	1,200 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1200)	16,023.61	1,100.54
		For NEMA 3R Enclosure, Add	*2,162.17*	
		For NEMA 4 Enclosure, Add	*1,216.22*	
		For NEMA 12 Enclosure, Add	*1,013.52*	
26 36 23 00-0020	EA	1,600 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1600)	17,108.71	1,269.85
		For NEMA 3R Enclosure, Add	*3,513.52*	
		For NEMA 4 Enclosure, Add	*4,324.33*	
		For NEMA 12 Enclosure, Add	*3,513.52*	
26 36 23 00-0021	EA	2,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC2000)	19,558.33	1,439.17
		For NEMA 3R Enclosure, Add	*3,513.52*	
		For NEMA 4 Enclosure, Add	*4,324.33*	
		For NEMA 12 Enclosure, Add	*3,513.52*	
26 36 23 00-0022	EA	3,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC3000)	23,631.91	1,777.79
		For NEMA 3R Enclosure, Add	*3,513.52*	
26 36 23 00-0023	EA	4,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC4000)	40,763.84	2,116.42
		For NEMA 3R Enclosure, Add	*16,513.52*	

26 36 23 00-0024 Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 23 00-0001)*

26 36 23 00-0025	EA	150 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC150)	13,955.80	1,608.48
		For NEMA 3R Enclosure, Add	*1,182.44*	
		For NEMA 4 Enclosure, Add	*1,216.22*	
		For NEMA 12 Enclosure, Add	*641.90*	
26 36 23 00-0026	EA	225 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC225)	14,572.48	1,693.13
		For NEMA 3R Enclosure, Add	*1,182.44*	
		For NEMA 4 Enclosure, Add	*1,216.22*	
		For NEMA 12 Enclosure, Add	*641.90*	
26 36 23 00-0027	EA	260 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC260)	15,277.05	1,777.79
		For NEMA 3R Enclosure, Add	*1,182.44*	
		For NEMA 4 Enclosure, Add	*1,216.22*	
		For NEMA 12 Enclosure, Add	*641.90*	
26 36 23 00-0028	EA	300 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC300)	17,002.50	1,820.12
		For NEMA 3R Enclosure, Add	*1,182.44*	
		For NEMA 4 Enclosure, Add	*1,216.22*	
		For NEMA 12 Enclosure, Add	*641.90*	
26 36 23 00-0029	EA	400 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC400)	19,553.30	1,862.44
		For NEMA 3R Enclosure, Add	*1,182.44*	
		For NEMA 4 Enclosure, Add	*1,216.22*	
		For NEMA 12 Enclosure, Add	*641.90*	
26 36 23 00-0030	EA	600 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC600)	23,392.75	1,947.11
		For NEMA 3R Enclosure, Add	*1,182.44*	
		For NEMA 4 Enclosure, Add	*1,216.22*	
		For NEMA 12 Enclosure, Add	*675.68*	
26 36 23 00-0031	EA	800 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC800)	25,754.64	2,031.76
		For NEMA 3R Enclosure, Add	*1,216.22*	
		For NEMA 4 Enclosure, Add	*1,216.22*	
		For NEMA 12 Enclosure, Add	*743.25*	
26 36 23 00-0032	EA	1,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1000)	32,307.16	2,370.38
		For NEMA 3R Enclosure, Add	*1,216.22*	
		For NEMA 4 Enclosure, Add	*1,216.22*	
		For NEMA 12 Enclosure, Add	*743.25*	
26 36 23 00-0033	EA	1,200 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1200)	41,983.40	2,539.71
		For NEMA 3R Enclosure, Add	*5,405.41*	
		For NEMA 4 Enclosure, Add	*6,756.76*	
		For NEMA 12 Enclosure, Add	*5,405.41*	
26 36 23 00-0034	EA	1,600 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1600)	54,644.87	2,709.02
		For NEMA 3R Enclosure, Add	*11,486.49*	
		For NEMA 4 Enclosure, Add	*11,486.49*	
		For NEMA 12 Enclosure, Add	*10,702.71*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0035	EA	2,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC2000)	62,023.21	2,962.98
		For NEMA 3R Enclosure, Add	*11,486.49*	
		For NEMA 4 Enclosure, Add	*11,486.49*	
		For NEMA 12 Enclosure, Add	*10,702.71*	
26 36 23 00-0036	EA	3,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC3000)	98,908.95	3,386.27
		For NEMA 3R Enclosure, Add	*14,189.19*	
26 36 23 00-0037	EA	4,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC4000)	106,794.49	3,809.55
		For NEMA 3R Enclosure, Add	*14,189.19*	

26 36 23 00-0038 Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 23 00-0001)*

26 36 23 00-0039	EA	40 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE40)	4,470.84	211.64
		For NEMA 3R Enclosure, Add	*337.84*	
		For NEMA 12 Enclosure, Add	*608.11*	
26 36 23 00-0040	EA	70 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE70)	4,842.92	253.97
		For NEMA 3R Enclosure, Add	*337.84*	
		For NEMA 12 Enclosure, Add	*608.11*	
26 36 23 00-0041	EA	125 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE125)	5,214.39	296.30
		For NEMA 3R Enclosure, Add	*337.84*	
		For NEMA 12 Enclosure, Add	*608.11*	
26 36 23 00-0042	EA	150 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE150)	6,256.72	338.63
		For Four Pole Circuit Breaker, Add	*1,689.19*	
		For NEMA 3R Enclosure, Add	*337.84*	
		For NEMA 12 Enclosure, Add	*608.11*	
26 36 23 00-0043	EA	225 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE225)	8,127.90	380.95
		For Four Pole Circuit Breaker, Add	*1,689.19*	
		For NEMA 3R Enclosure, Add	*337.84*	
		For NEMA 12 Enclosure, Add	*608.11*	
26 36 23 00-0044	EA	250 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE250)	8,659.19	423.29
		For Four Pole Circuit Breaker, Add	*1,689.19*	
		For NEMA 3R Enclosure, Add	*337.84*	
		For NEMA 12 Enclosure, Add	*608.11*	
26 36 23 00-0045	EA	300 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE300)	9,013.32	465.61
		For Four Pole Circuit Breaker, Add	*2,297.30*	
		For NEMA 3R Enclosure, Add	*878.38*	
		For NEMA 12 Enclosure, Add	*675.68*	
26 36 23 00-0046	EA	400 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE400)	10,193.79	507.94
		For Four Pole Circuit Breaker, Add	*2,297.30*	
		For NEMA 3R Enclosure, Add	*878.38*	
		For NEMA 12 Enclosure, Add	*675.68*	
26 36 23 00-0047	EA	600 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE600)	12,374.90	634.93
		For Four Pole Circuit Breaker, Add	*2,297.30*	
		For NEMA 3R Enclosure, Add	*878.38*	
		For NEMA 12 Enclosure, Add	*675.68*	
26 36 23 00-0048	EA	800 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE800)	12,923.73	761.91
		For Four Pole Circuit Breaker, Add	*3,277.03*	
		For NEMA 3R Enclosure, Add	*1,513.52*	
		For NEMA 12 Enclosure, Add	*945.95*	
26 36 23 00-0049	EA	1,000 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE1000)	15,289.43	1,015.88
		For Four Pole Circuit Breaker, Add	*3,277.03*	
		For NEMA 3R Enclosure, Add	*1,513.52*	
		For NEMA 12 Enclosure, Add	*945.95*	

26 36 23 00-0050 Accessories *(26 36 23)*

26 36 23 00-0051	EA	Auxiliary Contacts For Automatic Transfer Switch	156.76
26 36 23 00-0052	EA	Battery Charger For Automatic Transfer Switch	1,283.79
26 36 23 00-0053	EA	Elevator Relay Signal For Automatic Transfer Switch	466.22

26 36 33 Non-Automatic Transfer Switches *(26 36)*

26 36 33 00-0001 Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 33)*

26 36 33 00-0002	EA	40 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT40)	1,882.74	211.64
		For NEMA 3R Enclosure, Add	*574.33*	
		For NEMA 12 Enclosure, Add	*540.54*	
26 36 33 00-0003	EA	70 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT70)	2,093.76	253.97
		For NEMA 3R Enclosure, Add	*574.33*	
		For NEMA 12 Enclosure, Add	*540.54*	
26 36 33 00-0004	EA	125 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT125)	2,379.74	296.30
		For NEMA 3R Enclosure, Add	*574.33*	
		For NEMA 12 Enclosure, Add	*540.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 33 00-0005	EA	150 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT150)	2,243.05	338.63
		For NEMA 3R Enclosure, Add	*675.68*	
		For NEMA 12 Enclosure, Add	*540.54*	
26 36 33 00-0006	EA	225 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT225)	3,627.53	380.95
		For NEMA 3R Enclosure, Add	*675.68*	
		For NEMA 12 Enclosure, Add	*540.54*	
26 36 33 00-0007	EA	260 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT260)	4,076.43	423.29
		For NEMA 3R Enclosure, Add	*675.68*	
		For NEMA 12 Enclosure, Add	*540.54*	
26 36 33 00-0008	EA	300 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT300)	4,532.15	465.61
		For NEMA 3R Enclosure, Add	*797.30*	
		For NEMA 12 Enclosure, Add	*675.68*	
26 36 33 00-0009	EA	400 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT400)	5,305.64	507.94
		For NEMA 3R Enclosure, Add	*797.30*	
		For NEMA 12 Enclosure, Add	*675.68*	
26 36 33 00-0010	EA	600 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT600)	7,002.33	634.93
		For NEMA 3R Enclosure, Add	*797.30*	
		For NEMA 12 Enclosure, Add	*675.68*	
26 36 33 00-0011	EA	800 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT800)	7,896.82	761.91
		For NEMA 3R Enclosure, Add	*979.73*	
		For NEMA 12 Enclosure, Add	*945.95*	
26 36 33 00-0012	EA	1,000 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT1000)	10,435.97	1,015.88
		For NEMA 3R Enclosure, Add	*979.73*	
		For NEMA 12 Enclosure, Add	*945.95*	

26 40 Electrical And Cathodic Protection *(26)*

26 41 Facility Lightning Protection *(26 40)*

26 41 13 Lightning Protection For Structures *(26 41)*

26 41 13 00-0001 Lightning Protection *(26 41 13)*

26 41 13 00-0002 Air Terminals For Lightning Protection *(26 41 13 00-0001)*

26 41 13 00-0003 Copper Lightning Protection Air Terminals *(26 41 13 00-0002)*

26 41 13 00-0004	EA	3/8" x 10" Copper Lightning Protection Air Terminal	51.67	8.23
26 41 13 00-0005	EA	1/2" x 12" Copper Lightning Protection Air Terminal	64.10	8.23
26 41 13 00-0006	EA	5/8" x 12" Copper Lightning Protection Air Terminal	83.84	8.23
26 41 13 00-0007	EA	1/2" x 24" Copper Lightning Protection Air Terminal	93.17	8.23
26 41 13 00-0008	EA	1/2" x 60" Copper Lightning Protection Air Terminal	181.66	16.46

26 41 13 00-0009 Aluminum Lightning Protection Air Terminals *(26 41 13 00-0002)*

26 41 13 00-0010	EA	3/8" x 10" Aluminum Lightning Protection Air Terminal	29.74	8.23
26 41 13 00-0011	EA	1/2" x 12" Aluminum Lightning Protection Air Terminal	38.34	8.23
26 41 13 00-0012	EA	5/8" x 12" Aluminum Lightning Protection Air Terminal	47.06	8.23
26 41 13 00-0013	EA	1/2" x 24" Aluminum Lightning Protection Air Terminal	52.56	8.23
26 41 13 00-0014	EA	1/2" x 60" Aluminum Lightning Protection Air Terminal	98.09	16.46

26 41 13 00-0015 Terminal Bases For Lightning Protection *(26 41 13 00-0001)*

26 41 13 00-0016 Copper Lightning Protection Terminal Bases *(26 41 13 00-0015)*

26 41 13 00-0017	EA	Adhesive Base For Copper Lightning Protection Terminal	67.07	24.69
26 41 13 00-0018	EA	Bolted Base For Copper Lightning Protection Terminal	87.21	32.91
26 41 13 00-0019	EA	Hinged Base For Copper Lightning Protection Terminal	118.43	41.14
26 41 13 00-0020	EA	Side Mounted Base For Copper Lightning Protection Terminal	87.21	32.91
26 41 13 00-0021	EA	Offset Point Support For Copper Lightning Protection Terminal	93.58	32.91
26 41 13 00-0022	EA	Concealed Base Assembly For Copper Lightning Protection Terminal	165.22	65.84
26 41 13 00-0023	EA	36" Tripod Base For 60" Copper Lightning Protection Terminal	116.76	41.14
26 41 13 00-0024	EA	Intermediate Base For Copper Lightning Protection Terminal	67.07	24.69

26 41 13 00-0025 Aluminum Lightning Protection Terminal Bases *(26 41 13 00-0015)*

26 41 13 00-0026	EA	Adhesive Base For Aluminum Lightning Protection Terminal	53.01	24.69
26 41 13 00-0027	EA	Bolted Base For Aluminum Lightning Protection Terminal	77.93	32.91
26 41 13 00-0028	EA	Hinged Base For Aluminum Lightning Protection Terminal	101.35	41.14
26 41 13 00-0029	EA	Side Mounted Base For Aluminum Lightning Protection Terminal	78.06	32.91
26 41 13 00-0030	EA	Offset Point Support For Aluminum Lightning Protection Terminal	79.92	32.91
26 41 13 00-0031	EA	Concealed Base Assembly For Aluminum Lightning Protection Terminal	147.44	65.84
26 41 13 00-0032	EA	36" Tripod Base For 60" Aluminum Lightning Protection Terminal	114.25	41.14
26 41 13 00-0033	EA	Intermediate Base For Aluminum Lightning Protection Terminal	53.01	24.69

26 41 13 00-0034 Connectors *(26 41 13 00-0001)*

26 41 13 00-0035 Copper Cable Connectors *(26 41 13 00-0034)*

26 41 13 00-0036	EA	Thru Wall Cable Connector For Copper Lightning Protection System	135.30	41.14
26 41 13 00-0037	EA	Thru Roof Adapter Assembly For Copper Lightning Protection System	182.44	65.84
26 41 13 00-0038	EA	Beam Connector For Copper Lightning Protection System	119.59	41.14
26 41 13 00-0039	EA	Double Bolt Cable Connector For Copper Lightning Protection System	29.13	8.23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 41 13 00-0040	EA	Cable To Bar Connector For Copper Lightning Protection System	30.13	8.23
26 41 13 00-0041	EA	Tee Connector For Copper Lightning Protection Terminal	91.16	24.69
26 41 13 00-0042		Aluminum Cable Connectors *(26 41 13 00-0034)*		
26 41 13 00-0043	EA	Thru Wall Cable Connector For Aluminum Lightning Protection System	107.05	41.14
26 41 13 00-0044	EA	Thru Roof Adapter Assembly For Aluminum Lightning Protection System	155.06	65.84
26 41 13 00-0045	EA	Beam Connector For Aluminum Lightning Protection System	103.07	41.14
26 41 13 00-0046	EA	Double Bolt Cable Connector For Aluminum Lightning Protection System	22.70	8.23
26 41 13 00-0047	EA	Tee Connector For Aluminum Lightning Protection Terminal	67.50	24.69
26 41 13 00-0048		Bonding Plates *(26 41 13 00-0001)*		
26 41 13 00-0049		Copper Bonding Plates *(26 41 13 00-0048)*		
26 41 13 00-0050	EA	8" Square I Beam Bonding Plate For Copper Lightning Protection System	104.41	41.14
26 41 13 00-0051	EA	8" Square Purlin Bonding Plate For Copper Lightning Protection System	108.30	41.14
26 41 13 00-0052	EA	16" Square Bonding Plate For Copper Lightning Protection System	158.99	65.84
26 41 13 00-0053		Aluminum Bonding Plates *(26 41 13 00-0048)*		
26 41 13 00-0054	EA	8" Square I Beam Bonding Plate For Aluminum Lightning Protection System	94.45	41.14
26 41 13 00-0055	EA	8" Square Purlin Bonding Plate For Aluminum Lightning Protection System	96.57	41.14
26 41 13 00-0056	EA	16" Square Bonding Plate For Aluminum Lightning Protection System	142.01	65.84
26 41 13 00-0057		Cable Supports *(26 41 13 00-0001)*		
26 41 13 00-0058		Copper Cable Supports *(26 41 13 00-0057)*		
26 41 13 00-0059	EA	Cable Supports For Copper Lightning Protection System	18.08	8.23
26 41 13 00-0060	EA	Adhesive Cable Supports For Copper Lightning Protection System	19.31	8.23
26 41 13 00-0061		Aluminum Cable Supports *(26 41 13 00-0057)*		
26 41 13 00-0062	EA	Cable Supports For Aluminum Lightning Protection System	17.79	8.23
26 41 13 00-0063	EA	Adhesive Cable Supports For Aluminum Lightning Protection System	18.19	8.23
26 41 13 00-0064		Bonding Straps *(26 41 13 00-0001)*		
26 41 13 00-0065		Copper Bonding Straps *(26 41 13 00-0064)*		
26 41 13 00-0066	EA	3/4" x 9-1/2" Flex Braided Strap For Copper Lightning Protection System	55.37	24.69
26 41 13 00-0067		Aluminum Bonding Straps *(26 41 13 00-0064)*		
26 41 13 00-0068	EA	3/4" x 9-1/2" Flex Braided Strap For Aluminum Lightning Protection System	48.50	24.69
26 41 13 00-0069		Accessories For Lightning Protection *(26 41 13 00-0001)*		
		See CSI section 26 05 26 00-0001 for conductors straps and conduit jumpers.		
26 41 13 00-0070		Copper Adapters *(26 41 13 00-0069)*		
26 41 13 00-0071	EA	Swivel Adapters For Copper Lightning Protection System	22.62	4.12
26 41 13 00-0072		Aluminum Adapters *(26 41 13 00-0069)*		
26 41 13 00-0073	EA	Swivel Adapters For Aluminum Lightning Protection System	16.01	4.12
26 41 13 00-0074	EA	Floor Ground Receptacle For Aluminum Lightning Protection System	136.92	41.14
26 41 23		**Lightning Protection Surge Arresters And Suppressors** *(26 41)*		
26 41 23 00-0001		Surge And Lightning Arrestors *(26 41 23)*		
26 41 23 00-0002		Metal Top Intermediate Type IMX *(26 41 23 00-0001)*		
		Note: For outdoor construction, single phase.		
26 41 23 00-0003	EA	3 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	892.29	185.45
26 41 23 00-0004	EA	4.5 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	973.39	185.45
26 41 23 00-0005	EA	6 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	973.39	185.45
26 41 23 00-0006	EA	7.5 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,124.02	185.45
26 41 23 00-0007	EA	9 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,124.02	185.45
26 41 23 00-0008	EA	10 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,249.15	185.45
26 41 23 00-0009	EA	12 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,249.15	185.45
26 41 23 00-0010	EA	15 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,712.65	231.82
26 41 23 00-0011	EA	18 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,777.53	231.82
26 41 23 00-0012	EA	21 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,944.09	278.18
26 41 23 00-0013	EA	24 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,110.94	278.18
26 41 23 00-0014	EA	27 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,530.37	278.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 41 23 00-0015		**Porcelain Top Intermediate Type IMX** *(26 41 23 00-0001)* Note: For cubicle mounting, single phase.		
26 41 23 00-0016	EA	3 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	892.29	185.45
26 41 23 00-0017	EA	4.5 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	973.39	185.45
26 41 23 00-0018	EA	6 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	973.39	185.45
26 41 23 00-0019	EA	7.5 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,124.02	185.45
26 41 23 00-0020	EA	9 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,124.02	185.45
26 41 23 00-0021	EA	10 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,249.15	185.45
26 41 23 00-0022	EA	12 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,249.15	185.45
26 41 23 00-0023	EA	15 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,712.65	231.82
26 41 23 00-0024	EA	18 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,777.53	231.82
26 41 23 00-0025	EA	21 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,944.09	278.18
26 41 23 00-0026	EA	24 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,110.94	278.18
26 41 23 00-0027	EA	27 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,530.37	278.18
26 41 23 00-0028		**IMX Accessories** *(26 41 23 00-0001)*		
26 41 23 00-0029	EA	1 Crossarm Bracket Reversible 3-27 KV IMX	725.44	185.45
26 41 23 00-0030	EA	Single Unit Horizontal Pole Mounted Bracket (IMX)	716.18	185.45
26 41 23 00-0031	EA	3 Unit Horizontal Pole Mounted Bracket (IMX)	646.75	185.45
26 41 23 00-0032		**Lightning Arrestor And Cutouts** *(26 41 23 00-0001)*		
26 41 23 00-0033	EA	3 KV La Distribution Class, Lightning Arrestor	465.91	185.45
26 41 23 00-0034	EA	3 KV La Interior Class, Lightning Arrestor	954.02	185.45
26 41 23 00-0035	EA	3 KV La Station Class, Lightning Arrestor	892.29	185.45
26 41 23 00-0036	EA	9 KV La Distribution Class, Lightning Arrestor	516.89	185.45
26 41 23 00-0037	EA	9 KV La Interior Class, Lightning Arrestor	1,089.17	185.45
26 41 23 00-0038	EA	9 KV La Station Class, Lightning Arrestor	1,124.02	185.45
26 41 23 00-0039	EA	5 KV Enclosed Fused Cutout	596.14	185.45
26 41 23 00-0040	EA	15 KV Open Fused Cutout	632.79	231.82
26 41 23 00-0041	EA	18 KV La Distribution Class, Lightning Arrestor	490.07	185.45
26 41 23 00-0042	EA	18 KV La Interior Class, Lightning Arrestor	1,161.40	185.45

26 43 Surge Protective Devices *(26 40)*

26 43 13 Surge Protective Devices for Low-Voltage Electrical Power Circuits *(26 43)*

26 43 13 00-0001		**25 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression** *(26 43 13)* Note: Liebert LPL		
26 43 13 00-0002	EA	120/240 Volt AC Single Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	193.52	20.58
26 43 13 00-0003	EA	208 Volt AC Three Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	208.98	20.58
26 43 13 00-0004	EA	240/120 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	217.21	24.69
26 43 13 00-0005	EA	277 Volt AC Single Phase, 2 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	180.87	16.46
26 43 13 00-0006	EA	480/277 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	217.21	24.69
26 43 13 00-0007		**50 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression** *(26 43 13)* Note: Liebert LPL		
26 43 13 00-0008	EA	120/240 Volt AC Single Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	269.71	20.58
26 43 13 00-0009	EA	208/120 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	286.77	24.69
26 43 13 00-0010	EA	208 Volt AC Three Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	278.54	20.58
26 43 13 00-0011	EA	480/277 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	286.77	24.69
26 43 13 00-0012		**100 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression** *(26 43 13)* Note: Liebert LPL		
26 43 13 00-0013	EA	120/240 Volt AC Single Phase, 3 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	327.13	20.58
26 43 13 00-0014	EA	208/120 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	344.19	24.69
26 43 13 00-0015	EA	277 Volt AC Single Phase, 2 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	305.65	16.46
26 43 13 00-0016	EA	480/277 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	344.19	24.69
26 43 13 00-0017		**100 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression** *(26 43 13)* Note: Liebert LPM		
26 43 13 00-0018	EA	120/240 Volt AC Single Phase, 3 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	386.75	20.58
26 43 13 00-0019	EA	208/120 Volt AC Three Phase, 4 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	435.84	24.69
26 43 13 00-0020	EA	277 Volt AC Three Phase, 2 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	366.38	16.46
26 43 13 00-0021		**160 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression** *(26 43 13)* Note: Liebert LPM		
26 43 13 00-0022	EA	208/120 Volt AC Single Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	684.29	24.69
26 43 13 00-0023	EA	208 Volt AC Three Phase, 3 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	676.06	20.58
26 43 13 00-0024	EA	480/277 Volt AC Three Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	684.29	24.69
26 43 13 00-0025		**250 kA, 500 Joule Transient Voltage Surge Suppression** *(26 43 13)* Note: Liebert Interceptor Hybrid.		
26 43 13 00-0026	EA	LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor	3,978.27	41.14

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0027	EA	Audible Alarm/LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor	4,861.63	41.14
26 43 13 00-0028		**Class 1310 Transient Voltage Surge Suppression** *(26 43 13)* Note: Supplied with audible alarm, alarm enable/disable switch and dry contacts. Square D.		
26 43 13 00-0029		**NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor** *(26 43 13 00-0028)* Note: Square D. EMA series.		
26 43 13 00-0030	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	3,199.34	106.98
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0031	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	3,527.74	123.44
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0032	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	5,160.59	144.01
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0033	EA	320 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	6,870.20	164.58
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0034	EA	480 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	10,169.15	226.30
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0035	EA	120 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	3,339.21	106.98
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0036	EA	160 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	3,681.39	123.44
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0037	EA	240 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	5,397.97	144.01
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0038	EA	320 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	7,178.49	164.58
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0039	EA	480 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	10,644.88	226.30
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0040	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	3,339.21	106.98
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0041	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	3,681.39	123.44
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0042	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	5,397.93	144.01
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0043	EA	320 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	7,178.49	164.58
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0044	EA	480 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	10,644.88	226.30
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0045	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	3,479.09	106.98
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0046	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	3,837.02	123.44
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0047	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	5,637.30	144.01
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0048	EA	320 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	7,488.80	164.58
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0049	EA	480 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	11,122.55	226.30
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0050	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	3,641.60	106.98
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0051	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	3,998.58	123.44
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0052	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	5,887.48	144.01
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0053	EA	320 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	7,813.83	164.58
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0054	EA	480 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	10,946.70	226.30
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0055		NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor *(26 43 13 00-0028)*		
		Note: Square D EBA series.		
26 43 13 00-0056	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	2,490.20	106.98
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0057	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,009.69	123.44
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0058	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	4,417.94	144.01
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0059	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	2,569.98	106.98
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0060	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,127.89	123.44
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0061	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	4,572.58	144.01
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0062	EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	2,569.98	106.98
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0063	EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,127.89	123.44
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0064	EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	4,572.58	144.01
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0065	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	2,671.43	106.98
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0066	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,254.95	123.44
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0067	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	4,770.55	144.01
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0068	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	2,777.81	106.98
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0069	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,389.88	123.44
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0070	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	4,978.37	144.01
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0071		NEMA 4X Modular Device Transient Voltage Surge Suppressor *(26 43 13 00-0028)*		
		Note: Square D EMA series. Stainless steel.		
26 43 13 00-0072	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	4,130.11	106.98
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0073	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	4,458.52	123.44
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0074	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	6,091.36	144.01
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0075	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	4,269.98	106.98
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0076	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	4,612.17	123.44
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0077	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	6,328.74	144.01
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0078	EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	4,269.98	106.98
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0079	EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	4,612.17	123.44
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0080	EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	6,328.70	144.01
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0081	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	4,409.86	106.98
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0082	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	4,767.79	123.44
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0083	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	6,568.08	144.01
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0084	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	4,572.38	106.98
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0085	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	4,929.36	123.44
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0086	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	6,818.25	144.01
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	

26 43 13 00-0087 NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor *(26 43 13 00-0028)*

Note: Square D EBA series. Stainless steel.

26 43 13 00-0088	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	3,420.97	106.98
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0089	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	3,940.47	123.44
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0090	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,348.72	144.01
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0091	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	3,500.75	106.98
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0092	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,058.66	123.44
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0093	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,503.35	144.01
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0094	EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	3,500.75	106.98
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0095	EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,058.66	123.44
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0096	EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,503.35	144.01
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0097	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	3,602.21	106.98
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0098	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,185.72	123.44
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0099	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,701.32	144.01
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0100	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	3,708.58	106.98
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0101	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,320.66	123.44
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0102	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,909.14	144.01
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	

26 50 Lighting *(26)*

Note: Light fixtures include testing of fixture, a set of lamps (light bulbs), wire nuts, ground wire connector, fixture whip, ballast(s), mounting brackets where necessary and cable connectors. Lay-in fixtures include support wire, clips and seismic supports.

26 51 Interior Lighting *(26 50)*

26 51 13 Interior Lighting Fixtures, Lamps, And Ballasts *(26 51)*

26 51 13 00-0001 Interior Lighting Accessories *(26 51 13)*

26 51 13 00-0002	LF	For Each Additional LF Of Interior Lighting Wire Whip, Add	0.92
		Note: Wire whips are included with interior lighting fixtures, where necessary, up to six feet in length. Use this task for additional required whip length. For example, if the fixture requires a 15' wire whip then use 9 LF of this task to reach required length.	

26 51 13 00-0003 Lighting Accessories *(26 51 13)*

26 51 13 00-0004 Photocells *(26 51 13 00-0003)*

26 51 13 00-0005	EA	Plug-In Photocell For Lighting Fixtures	58.63
26 51 13 00-0006	EA	Wired Photocell For Lighting Fixtures	142.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0007		**Supports For Light Fixtures** *(26 51 13 00-0003)*		
26 51 13 00-0008	EA	Bracket For Mounting Light Fixture On Wall	85.50	
26 51 13 00-0009		**Modular Flexible Wiring Systems** *(26 51 13 00-0003)*		
26 51 13 00-0010	EA	10' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-10)	55.54	4.44
26 51 13 00-0011	EA	15' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-15)	64.06	4.44
26 51 13 00-0012	EA	20' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-20)	76.90	4.44
26 51 13 00-0013	EA	15' Length, 2-Circuit, Modular Lighting Cable (Day-Brite LC-27-2E-15)	64.06	4.44
26 51 13 00-0014	EA	3 Out, 3-Circuit, Modular Lighting Interface (Day-Brite LI-27-3E)	57.05	4.44
26 51 13 00-0015	EA	13' Length, 2-Circuit, Modular Reddy-Connect Cable (Day-Brite RC-27-2D-13)	82.90	4.44
26 51 13 00-0016	EA	3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-7M)	46.43	4.44
26 51 13 00-0017	EA	3" Length, 2-Circuit, Modular Lighting Tap (Day-Brite LT-27-2E)	52.15	4.44
26 51 13 00-0018	EA	7' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-07)	65.64	4.44
26 51 13 00-0019	EA	7' Length, 1-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-ML-07)	65.64	4.44
26 51 13 00-0020	EA	7' Length, 2-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-2C-07)	66.72	4.44
26 51 13 00-0021	EA	7' Length, 1st 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3A-07)	66.32	4.44
26 51 13 00-0022	EA	7' Length, 2nd 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3B-07)	66.32	4.44
26 51 13 00-0023	EA	15' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-15)	75.94	4.44
26 51 13 00-0024	EA	3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-4D)	35.91	4.44
26 51 13 00-0025	EA	3" Length, 1-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-1E)	33.66	4.44
26 51 13 00-0026	EA	3" Length, 2-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-2E)	34.44	4.44
26 51 13 00-0027	EA	3" Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E)	42.77	4.44
26 51 13 00-0028	EA	15' Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E-15)	55.54	4.44
26 51 13 00-0029	EA	15' Length, 1-Circuit, Modular Lighting Cable (Day-Brite LC-27-1E-15)	56.89	4.44
26 51 13 00-0030	EA	Modular Lighting Junction Or Circuit Splitter (Day-Brite LJ-27-3E)	44.84	4.44
26 51 13 00-0031	EA	3" Length, 1-Circuit, Modular Power Distribution Cable (Day-Brite PD-12-1E)	33.66	4.44
26 51 13 00-0032	EA	Remove And Reinstall Of Modular Wiring Complete Including Storage And Cleaning	37.03	
26 51 13 00-0033		**Fluorescent Fixtures** *(26 51 13)*		
26 51 13 00-0034		**Surface Mounted, Wraparound Fluorescent Fixtures** *(26 51 13 00-0033)*		
26 51 13 00-0035		**6" x 2', Surface Mounted, Wraparound Fluorescent Fixtures** *(26 51 13 00-0034)*		
26 51 13 00-0036	EA	1 T8 Lamp, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture	98.46	23.55
26 51 13 00-0037	EA	2 T8 Lamps, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture	109.60	23.55
26 51 13 00-0038		**6" x 4', Surface Mounted, Wraparound Fluorescent Fixtures** *(26 51 13 00-0034)*		
26 51 13 00-0039	EA	1 T8 Lamp, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture	110.33	24.52
26 51 13 00-0040	EA	2 T8 Lamps, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture	122.52	24.52
26 51 13 00-0041		**1' x 4', Surface Mounted, Wraparound Fluorescent Fixtures** *(26 51 13 00-0034)*		
26 51 13 00-0042	EA	2 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	131.15	27.53
26 51 13 00-0043	EA	3 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	153.59	27.53
26 51 13 00-0044	EA	4 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	178.25	27.53
26 51 13 00-0045		**2' x 2', Surface Mounted, Wraparound Fluorescent Fixtures** *(26 51 13 00-0034)*		
26 51 13 00-0046	EA	2 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture	110.18	30.10
26 51 13 00-0047	EA	3 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture	125.57	30.10
26 51 13 00-0048		**2' x 4', Surface Mounted, Wraparound Fluorescent Fixtures** *(26 51 13 00-0034)*		
26 51 13 00-0049	EA	2 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	167.59	35.06
26 51 13 00-0050	EA	3 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	179.48	35.06
26 51 13 00-0051	EA	4 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	201.88	35.06
26 51 13 00-0052		**Surface Mounted, Box Type Fluorescent Fixtures** *(26 51 13 00-0033)* Note: Includes prismatic lens.		
26 51 13 00-0053		**1' x 4', Surface Mounted, Box Type Fluorescent Fixtures** *(26 51 13 00-0052)*		
26 51 13 00-0054	EA	2 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	130.48	27.31
26 51 13 00-0055	EA	3 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	204.76	27.31
26 51 13 00-0056	EA	4 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	232.07	27.31
26 51 13 00-0057		**2' x 2', Surface Mounted, Box Type Fluorescent Fixtures** *(26 51 13 00-0052)*		
26 51 13 00-0058	EA	2 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	198.18	30.10
26 51 13 00-0059	EA	3 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	215.49	30.10
26 51 13 00-0060	EA	4 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	228.04	30.10
26 51 13 00-0061		**2' x 4', Surface Mounted, Box Type Fluorescent Fixtures** *(26 51 13 00-0052)*		
26 51 13 00-0062	EA	2 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	203.01	35.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0063	EA	3 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	221.47	35.06
26 51 13 00-0064	EA	4 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	231.74	35.06
26 51 13 00-0065	EA	6 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	247.51	35.06
26 51 13 00-0066		**4' x 4', Surface Mounted, Box Type Fluorescent Fixtures** *(26 51 13 00-0052)*		
26 51 13 00-0067	EA	4 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	392.34	45.14
26 51 13 00-0068	EA	6 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	398.98	45.14
26 51 13 00-0069	EA	8 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	662.53	45.14
26 51 13 00-0070		**Recessed Fluorescent Fixtures** *(26 51 13 00-0033)*		
26 51 13 00-0071		**Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 13 00-0070)*		
26 51 13 00-0072		**1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture** *(26 51 13 00-0071)*		
26 51 13 00-0073	EA	2 T8 Lamps, 1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	124.04	23.55
		For Drywall Or Plaster Ceilings, Add	*15.91*	
26 51 13 00-0074		**1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture** *(26 51 13 00-0071)*		
26 51 13 00-0075	EA	2 T8 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	159.16	27.31
		For Drywall Or Plaster Ceilings, Add	*18.62*	
26 51 13 00-0076	EA	2 T5 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	276.05	27.31
		For Drywall Or Plaster Ceilings, Add	*18.62*	
26 51 13 00-0077		**2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture** *(26 51 13 00-0071)*		
26 51 13 00-0078	EA	2 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	162.47	30.10
		For Drywall Or Plaster Ceilings, Add	*20.31*	
26 51 13 00-0079	EA	3 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	183.50	30.10
		For Drywall Or Plaster Ceilings, Add	*20.31*	
26 51 13 00-0080	EA	4 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	186.36	30.10
		For Drywall Or Plaster Ceilings, Add	*20.32*	
26 51 13 00-0081	EA	2 T5 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	200.41	30.10
		For Drywall Or Plaster Ceilings, Add	*20.31*	
26 51 13 00-0082		**2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture** *(26 51 13 00-0071)*		
26 51 13 00-0083	EA	2 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	161.71	35.06
		For Drywall Or Plaster Ceilings, Add	*23.70*	
26 51 13 00-0084	EA	3 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	215.54	35.06
		For Drywall Or Plaster Ceilings, Add	*23.70*	
26 51 13 00-0085	EA	4 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	218.86	35.06
		For Drywall Or Plaster Ceilings, Add	*23.70*	
26 51 13 00-0086	EA	6 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	242.98	35.06
		For Drywall Or Plaster Ceilings, Add	*23.70*	
26 51 13 00-0087	EA	2 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	211.65	35.06
		For Drywall Or Plaster Ceilings, Add	*23.70*	
26 51 13 00-0088	EA	3 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	281.14	35.06
		For Drywall Or Plaster Ceilings, Add	*23.70*	
26 51 13 00-0089	EA	4 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	289.07	35.06
		For Drywall Or Plaster Ceilings, Add	*23.70*	
26 51 13 00-0090		**Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 13 00-0070)*		
26 51 13 00-0091		**1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 13 00-0090)*		
26 51 13 00-0092	EA	1 T8 Lamp, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	140.62	23.55
		For Drywall Or Plaster Ceilings, Add	*15.91*	
26 51 13 00-0093	EA	2 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	143.47	23.55
		For Drywall Or Plaster Ceilings, Add	*15.91*	
26 51 13 00-0094	EA	3 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	165.75	23.55
		For Drywall Or Plaster Ceilings, Add	*15.91*	
26 51 13 00-0095		**1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 13 00-0090)*		
26 51 13 00-0096	EA	1 T8 Lamp, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	160.29	27.31
		For Drywall Or Plaster Ceilings, Add	*18.62*	
26 51 13 00-0097	EA	2 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	163.60	27.31
		For Drywall Or Plaster Ceilings, Add	*18.62*	
26 51 13 00-0098	EA	3 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	182.88	27.31
		For Drywall Or Plaster Ceilings, Add	*18.62*	
26 51 13 00-0099		**2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 13 00-0090)*		
26 51 13 00-0100	EA	2 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	166.69	30.10
		For Drywall Or Plaster Ceilings, Add	*20.32*	
26 51 13 00-0101	EA	3 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	169.55	30.10
		For Drywall Or Plaster Ceilings, Add	*20.32*	
26 51 13 00-0102	EA	4 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	191.51	30.10
		For Drywall Or Plaster Ceilings, Add	*20.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0103		2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 13 00-0090)*		
26 51 13 00-0104	EA	2 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	161.71	35.06
		For Drywall Or Plaster Ceilings, Add	*23.70*	
26 51 13 00-0105	EA	3 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	185.51	35.06
		For Drywall Or Plaster Ceilings, Add	*23.70*	
26 51 13 00-0106	EA	4 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	208.17	35.06
		For Drywall Or Plaster Ceilings, Add	*23.70*	
26 51 13 00-0107	EA	6 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	234.24	35.06
		For Drywall Or Plaster Ceilings, Add	*23.70*	
26 51 13 00-0108		Direct-Indirect, Recessed Fluorescent Fixtures *(26 51 13 00-0070)*		
26 51 13 00-0109		1' x 4', Direct-Indirect, Recessed Fluorescent Fixtures *(26 51 13 00-0108)*		
26 51 13 00-0110	EA	1 T8 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture	282.12	27.31
		For Drywall Or Plaster Ceilings, Add	*18.62*	
26 51 13 00-0111	EA	2 T8 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture	285.44	27.31
		For Drywall Or Plaster Ceilings, Add	*18.62*	
26 51 13 00-0112	EA	1 T5 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture	332.68	27.31
		For Drywall Or Plaster Ceilings, Add	*18.62*	
26 51 13 00-0113	EA	2 T5 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture	340.61	27.31
		For Drywall Or Plaster Ceilings, Add	*18.62*	
26 51 13 00-0114		2' x 2', Direct-Indirect, Recessed Fluorescent Fixtures *(26 51 13 00-0108)*		
26 51 13 00-0115	EA	2 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture	230.96	30.10
		For Drywall Or Plaster Ceilings, Add	*20.31*	
26 51 13 00-0116	EA	3 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture	255.89	30.10
		For Drywall Or Plaster Ceilings, Add	*20.31*	
26 51 13 00-0117	EA	2 T5 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture	311.65	30.10
		For Drywall Or Plaster Ceilings, Add	*20.31*	
26 51 13 00-0118		2' x 4', Direct-Indirect, Recessed Fluorescent Fixtures *(26 51 13 00-0108)*		
26 51 13 00-0119	EA	2 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	259.82	35.06
		For Drywall Or Plaster Ceilings, Add	*23.70*	
26 51 13 00-0120	EA	3 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	315.59	35.06
		For Drywall Or Plaster Ceilings, Add	*23.70*	
26 51 13 00-0121	EA	1 T5 Lamp, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	333.00	35.06
		For Drywall Or Plaster Ceilings, Add	*23.70*	
26 51 13 00-0122	EA	2 T5 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	366.04	35.06
		For Drywall Or Plaster Ceilings, Add	*23.70*	
26 51 13 00-0123		Volumetric, Recessed Fluorescent Fixtures *(26 51 13 00-0070)*		
26 51 13 00-0124		1' x 4', Volumetric, Recessed Fluorescent Fixtures *(26 51 13 00-0123)*		
26 51 13 00-0125	EA	2 T8 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture	223.76	27.31
		For Drywall Or Plaster Ceilings, Add	*18.62*	
26 51 13 00-0126	EA	2 T5 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture	289.76	27.31
		For Drywall Or Plaster Ceilings, Add	*18.62*	
26 51 13 00-0127		2' x 2', Volumetric, Recessed Fluorescent Fixtures *(26 51 13 00-0123)*		
26 51 13 00-0128	EA	2 T8 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture	224.89	30.10
		For Drywall Or Plaster Ceilings, Add	*20.31*	
26 51 13 00-0129	EA	2 T5 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture	254.40	30.10
		For Drywall Or Plaster Ceilings, Add	*20.31*	
26 51 13 00-0130		2' x 4', Volumetric, Recessed Fluorescent Fixtures *(26 51 13 00-0123)*		
26 51 13 00-0131	EA	2 T8 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture	250.65	35.06
		For Drywall Or Plaster Ceilings, Add	*23.70*	
26 51 13 00-0132	EA	2 T5 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture	251.14	35.06
		For Drywall Or Plaster Ceilings, Add	*23.70*	
26 51 13 00-0133		Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 13 00-0070)*		
26 51 13 00-0134		1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 13 00-0133)*		
26 51 13 00-0135	EA	2 T8 Lamps, 1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	212.12	27.31
		For Drywall Or Plaster Ceilings, Add	*18.62*	
26 51 13 00-0136		2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 13 00-0133)*		
26 51 13 00-0137	EA	2 T8 Lamps, 2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	205.66	30.10
		For Drywall Or Plaster Ceilings, Add	*20.31*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0138		2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 13 00-0133)*		
26 51 13 00-0139	EA	2 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	247.34	35.06
		For Drywall Or Plaster Ceilings, Add	*23.70*	
26 51 13 00-0140	EA	3 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	317.93	35.06
		For Drywall Or Plaster Ceilings, Add	*23.70*	
26 51 13 00-0141	EA	4 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	282.07	35.06
		For Drywall Or Plaster Ceilings, Add	*23.70*	
26 51 13 00-0142		Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 13 00-0070)*		
26 51 13 00-0143		1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 13 00-0142)*		
26 51 13 00-0144	EA	2 T8 Lamps, 1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	203.16	27.31
		For Drywall Or Plaster Ceilings, Add	*18.62*	
26 51 13 00-0145		2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 13 00-0142)*		
26 51 13 00-0146	EA	2 T8 Lamps, 2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	205.44	30.10
		For Drywall Or Plaster Ceilings, Add	*20.31*	
26 51 13 00-0147		2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 13 00-0142)*		
26 51 13 00-0148	EA	2 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	252.37	35.06
		For Drywall Or Plaster Ceilings, Add	*23.70*	
26 51 13 00-0149	EA	3 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	257.44	35.06
		For Drywall Or Plaster Ceilings, Add	*23.70*	
26 51 13 00-0150	EA	4 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	264.46	35.06
		For Drywall Or Plaster Ceilings, Add	*23.70*	
26 51 13 00-0151		Striplight Fluorescent Fixtures *(26 51 13 00-0033)*		
26 51 13 00-0152		1 Lamp Cross Section, Striplight Fluorescent Fixtures *(26 51 13 00-0151)*		
26 51 13 00-0153	EA	1 T8 Lamp, 1-1/2' Length, Striplight Fluorescent Fixture	95.06	22.57
26 51 13 00-0154	EA	1 T8 Lamp, 2' Length, Striplight Fluorescent Fixture	112.89	22.57
26 51 13 00-0155	EA	1 T8 Lamp, 3' Length, Striplight Fluorescent Fixture	113.31	25.05
26 51 13 00-0156	EA	1 T8 Lamp, 4' Length, Striplight Fluorescent Fixture	116.99	27.53
26 51 13 00-0157	EA	1 T8 Lamp, 8' Length, Striplight Fluorescent Fixture	138.82	29.80
26 51 13 00-0158		2 Lamp Cross Section, Striplight Fluorescent Fixtures *(26 51 13 00-0151)*		
26 51 13 00-0159	EA	2 T8 Lamps, 2' Length, Striplight Fluorescent Fixture	115.62	25.05
26 51 13 00-0160	EA	2 T8 Lamps, 3' Length, Striplight Fluorescent Fixture	120.46	27.53
26 51 13 00-0161	EA	2 T8 Lamps, 4' Length, Striplight Fluorescent Fixture	124.07	30.10
26 51 13 00-0162		3 Lamp Cross Section, Striplight Fluorescent Fixtures *(26 51 13 00-0151)*		
26 51 13 00-0163	EA	3 T8 Lamps, 2' Length, Striplight Fluorescent Fixture	160.24	25.05
26 51 13 00-0164	EA	3 T8 Lamps, 3' Length, Striplight Fluorescent Fixture	157.86	27.53
26 51 13 00-0165	EA	3 T8 Lamps, 4' Length, Striplight Fluorescent Fixture	161.40	30.10
26 51 13 00-0166		Display Case Fluorescent Fixtures *(26 51 13 00-0151)*		
26 51 13 00-0167	EA	1 T8 Lamp, 1-1/2' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU15W)	73.66	24.69
26 51 13 00-0168	EA	1 T8 Lamp, 2' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU20W)	91.05	24.69
26 51 13 00-0169	EA	1 T8 Lamp, 3' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU30W)	98.83	28.80
26 51 13 00-0170	EA	1 T8 Lamp, 4' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU40W)	101.14	28.80
26 51 13 00-0171		Industrial Fluorescent Fixtures *(26 51 13 00-0033)*		
26 51 13 00-0172		1 Lamp Cross Section, Industrial Fluorescent Fixtures *(26 51 13 00-0171)*		
26 51 13 00-0173	EA	1 T8 Lamp, 2' Length, Industrial Fluorescent Fixture	129.41	22.57
26 51 13 00-0174	EA	1 T8 Lamp, 4' Length, Industrial Fluorescent Fixture	139.29	27.53
26 51 13 00-0175	EA	1 T8 Lamp, 8' Length, Industrial Fluorescent Fixture	243.31	35.06
26 51 13 00-0176		2 Lamp Cross Section, Industrial Fluorescent Fixtures *(26 51 13 00-0171)*		
26 51 13 00-0177	EA	2 T8 Lamps, 2' Length, Industrial Fluorescent Fixture	136.02	25.05
26 51 13 00-0178	EA	2 T8 Lamps, 4' Length, Industrial Fluorescent Fixture	146.37	30.10
26 51 13 00-0179	EA	2 T8 Lamps, 8' Length, Industrial Fluorescent Fixture	249.94	35.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0180		**3 Lamp Cross Section, Industrial Fluorescent Fixtures** *(26 51 13 00-0171)*		
26 51 13 00-0181	EA	3 T8 Lamps, 2' Length, Industrial Fluorescent Fixture	141.78	25.05
26 51 13 00-0182	EA	3 T8 Lamps, 4' Length, Industrial Fluorescent Fixture	151.88	30.10
26 51 13 00-0183	EA	3 T8 Lamps, 8' Length, Industrial Fluorescent Fixture	223.55	35.06
26 51 13 00-0184		**4 Lamp Cross Section, Industrial Fluorescent Fixtures** *(26 51 13 00-0171)*		
26 51 13 00-0185	EA	4 T8 Lamps, 4' Length, Industrial Fluorescent Fixture	199.78	30.10
26 51 13 00-0186	EA	4 T8 Lamps, 8' Length, Industrial Fluorescent Fixture	288.47	35.06
26 51 13 00-0187		**Flanged Fluorescent Fixture** *(26 51 13 00-0033)* Note: For plaster or drywall application. With electronic ballast.		
26 51 13 00-0188	EA	2 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture	198.12	45.14
26 51 13 00-0189	EA	3 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture	230.58	45.14
26 51 13 00-0190	EA	4 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture	233.90	45.14
26 51 13 00-0191		**Undercabinet Fluorescent Fixtures** *(26 51 13 00-0033)*		
26 51 13 00-0192	EA	1 T5 Lamp, 12-3/16" Length, Slimline Undercabinet Fluorescent Fixture	74.27	20.31
26 51 13 00-0193	EA	1 T5 Lamp, 21-3/16" Length, Slimline Undercabinet Fluorescent Fixture	87.38	24.82
26 51 13 00-0194	EA	2 T5 Lamps, 24-7/16" Length, Slimline Undercabinet Fluorescent Fixture	86.28	24.82
26 51 13 00-0195	EA	1 T5 Lamp, 33-7/16" Length, Slimline Undercabinet Fluorescent Fixture	101.98	27.08
26 51 13 00-0196	EA	2 T5 Lamps, 42-7/16" Length, Slimline Undercabinet Fluorescent Fixture	118.65	31.60
26 51 13 00-0197		**Corner Mounted, Fluorescent Fixtures** *(26 51 13 00-0033)* Note: Includes acrylic drop dish diffuser.		
26 51 13 00-0198		**2' Length, Corner Mounted, Fluorescent Fixtures** *(26 51 13 00-0197)*		
26 51 13 00-0199	EA	1 T8 Lamp, 2' Length, Corner Mounted, Fluorescent Fixture	128.32	22.57
26 51 13 00-0200	EA	2 T8 Lamps, 2' Length, Corner Mounted, Fluorescent Fixture	142.16	22.57
26 51 13 00-0201		**3' Length, Corner Mounted, Fluorescent Fixtures** *(26 51 13 00-0197)*		
26 51 13 00-0202	EA	1 T8 Lamp, 3' Length, Corner Mounted, Fluorescent Fixture	145.48	23.70
26 51 13 00-0203	EA	2 T8 Lamps, 3' Length, Corner Mounted, Fluorescent Fixture	158.76	23.70
26 51 13 00-0204		**4' Length, Corner Mounted, Fluorescent Fixtures** *(26 51 13 00-0197)*		
26 51 13 00-0205	EA	1 T8 Lamp, 4' Length, Corner Mounted, Fluorescent Fixture	143.99	24.82
26 51 13 00-0206	EA	2 T8 Lamps, 4' Length, Corner Mounted, Fluorescent Fixture	157.70	24.82
26 51 13 00-0207		**Wall Bracket, Fluorescent Fixtures** *(26 51 13 00-0033)*		
26 51 13 00-0208		**Wall Bracket, Fluorescent Fixtures (Lithonia W)** *(26 51 13 00-0207)* Note: Includes extruded aluminum housing with brushed finish, acrylic diffuser and solid-state electronic ballast.		
26 51 13 00-0209		**2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W)** *(26 51 13 00-0208)*		
26 51 13 00-0210	EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	215.29	37.86
26 51 13 00-0211	EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	217.72	37.86
26 51 13 00-0212		**3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W)** *(26 51 13 00-0208)*		
26 51 13 00-0213	EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	297.24	37.86
26 51 13 00-0214	EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	300.63	37.86
26 51 13 00-0215		**4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W)** *(26 51 13 00-0208)*		
26 51 13 00-0216	EA	1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	311.29	37.86
26 51 13 00-0217	EA	2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	313.72	37.86
26 51 13 00-0218		**Wall Bracket, Fluorescent Fixtures (Lithonia WP)** *(26 51 13 00-0207)* Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.		
26 51 13 00-0219		**2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP)** *(26 51 13 00-0218)*		
26 51 13 00-0220	EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	334.32	37.86
26 51 13 00-0221	EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	336.75	37.86
26 51 13 00-0222		**3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP)** *(26 51 13 00-0218)*		
26 51 13 00-0223	EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	285.68	37.86
26 51 13 00-0224	EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	289.07	37.86
26 51 13 00-0225		**4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP)** *(26 51 13 00-0218)*		
26 51 13 00-0226	EA	1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	302.80	37.86
26 51 13 00-0227	EA	2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	305.23	37.86

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0228		Wall Bracket, Fluorescent Fixtures (Lithonia WC) *(26 51 13 00-0207)* Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.		
26 51 13 00-0229		2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) *(26 51 13 00-0228)*		
26 51 13 00-0230	EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	203.37	37.86
26 51 13 00-0231	EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	205.79	37.86
26 51 13 00-0232		3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) *(26 51 13 00-0228)*		
26 51 13 00-0233	EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	204.33	37.86
26 51 13 00-0234	EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	207.72	37.86
26 51 13 00-0235		4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) *(26 51 13 00-0228)*		
26 51 13 00-0236	EA	1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	194.23	37.86
26 51 13 00-0237	EA	2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	196.66	37.86
26 51 13 00-0238		Low Occupancy, Industrial Fluorescent Fixtures *(26 51 13 00-0033)*		
26 51 13 00-0239	EA	1 T8 Lamp, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP)	289.84	27.53
26 51 13 00-0240	EA	2 T8 Lamps, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP)	293.60	30.10
26 51 13 00-0241		Accessories And Modifiers For Fluorescent Fixtures *(26 51 13 00-0033)*		
26 51 13 00-0242		Lens Modifications *(26 51 13 00-0241)*		
26 51 13 00-0243	EA	For 1' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add	18.77	
26 51 13 00-0244	EA	For 1' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add	23.19	
26 51 13 00-0245	EA	For 2' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add	24.29	
26 51 13 00-0246	EA	For 2' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add	26.50	
26 51 13 00-0247	EA	For 4' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add	32.02	
26 51 13 00-0248	EA	For 1' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	7.73	
26 51 13 00-0249	EA	For 1' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	11.04	
26 51 13 00-0250	EA	For 2' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	12.15	
26 51 13 00-0251	EA	For 2' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	14.35	
26 51 13 00-0252		Pendant Mounting Modifications *(26 51 13 00-0241)* Note: Per pendant. Use demolition cost for associated light fixture for demolition of pendant mounted light fixture assembly.		
26 51 13 00-0253	EA	For Pendant Mounting Up to 1'-6" Long Section Note: Per pendant.	8.39	
26 51 13 00-0254	EA	For Pendant Mounting 2' Long Section Note: Per pendant.	9.72	
26 51 13 00-0255	EA	For Pendant Mounting 3' Long Section Note: Per pendant.	12.43	
26 51 13 00-0256	EA	For Pendant Mounting 4' Long Section Note: Per pendant.	14.69	
26 51 13 00-0257	EA	For Pendant Mounting 6' Long Section Note: Per pendant.	18.55	
26 51 13 00-0258	EA	For Pendant Mounting 8' Long Section Note: Per pendant.	25.18	
26 51 13 00-0259		Fluorescent Light Accessories *(26 51 13 00-0241)*		
26 51 13 00-0260	EA	Blank Metal Light Box Plate	14.01	
26 51 13 00-0261	EA	Factory Installed Fixture Mounted Occupancy Sensor	85.02	
26 51 13 00-0262		Wire Guards *(26 51 13 00-0241)*		
26 51 13 00-0263	EA	Wire Guard for 6" x 2' Fixture	37.76	4.13
26 51 13 00-0264	EA	Wire Guard for 6" x 4' Fixture	53.34	6.60
26 51 13 00-0265	EA	Wire Guard for 1" x 2' Fixture	42.13	4.54
26 51 13 00-0266	EA	Wire Guard for 1" x 4' Fixture	60.06	7.01
26 51 13 00-0267	EA	Wire Guard for 2" x 2' Fixture	51.22	4.95
26 51 13 00-0268	EA	Wire Guard for 2" x 4' Fixture	70.34	7.42
26 51 13 00-0269	EA	Wire Guard for Exit Sign Or Emergency Light	41.89	6.18
26 51 13 00-0270	EA	Wire Guard for Combination Exit Sign And Emergency Light	70.87	6.60
26 51 13 00-0271		LED Fixtures *(26 51 13)*		
26 51 13 00-0272		Undercabinet LED Fixtures *(26 51 13 00-0271)*		
26 51 13 00-0273	EA	12" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ12-M6)	113.08	20.31
26 51 13 00-0274	EA	18" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ18-M6)	144.23	24.82
26 51 13 00-0275	EA	24" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ24-M6)	162.22	24.82

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26 51 13 00-0276		Striplight LED Fixtures *(26 51 13 00-0271)*		
26 51 13 00-0277		Striplight LED Fixtures *(26 51 13 00-0276)*		
26 51 13 00-0278	EA	2' Length, 3,000 Lumens, LED Striplight Fluorescent Fixture (Lithonia ZL1)	228.55	22.57
26 51 13 00-0279	EA	4' Length, 2,800 Lumens, LED Striplight Fluorescent Fixture (Lithonia ZL1)	236.07	27.53
26 51 13 00-0280	EA	2' Length, 1,400 Lumens, Lensed LED Striplight Fluorescent Fixture (Lithonia ZL2)	225.16	22.57
26 51 13 00-0281	EA	4' Length, 2,300 Lumens, Lensed LED Striplight Fluorescent Fixture (Lithonia ZL2)	232.68	27.53
26 51 13 00-0282	EA	4' Length, 4,600 Lumens, Lensed LED Striplight Fluorescent Fixture (Lithonia ZL2)	300.31	27.53
26 51 13 00-0283		Lay-In/Troffer LED Fixtures *(26 51 13 00-0271)*		
26 51 13 00-0284		Prismatic Lensed, Lay-In/Troffer LED Fixtures *(26 51 13 00-0283)*		
26 51 13 00-0285		Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lithonia) *(26 51 13 00-0284)*		
26 51 13 00-0286	EA	4,300 Lumens, 1' x 4', Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia TL4)	399.60	35.06
		For Drywall Or Plaster Ceilings, Add	*23.70*	
26 51 13 00-0287	EA	3,300 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL2)	316.98	30.10
		For Drywall Or Plaster Ceilings, Add	*20.31*	
26 51 13 00-0288	EA	4,600 Lumens, 2' x 4', Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL4)	384.14	35.06
		For Drywall Or Plaster Ceilings, Add	*23.70*	
26 51 13 00-0289		Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lunera) *(26 51 13 00-0284)*		
26 51 13 00-0290	EA	3,200 Lumens, 1' x 4', Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 14G4)	446.97	35.06
26 51 13 00-0291	EA	3,200 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 22G5)	309.63	30.10
26 51 13 00-0292	EA	4,175 Lumens, 2' x 4', Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 24G4)	402.57	35.06
26 51 13 00-0293		Prismatic Lensed, Lay-In/Troffer LED Fixtures (PlanLED) *(26 51 13 00-0284)*		
26 51 13 00-0294	EA	2,591 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E)	190.04	30.10
26 51 13 00-0295	EA	3,883 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E)	211.04	30.10
26 51 13 00-0296	EA	3,700 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-40)	198.44	30.10
26 51 13 00-0297	EA	4,200 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-45)	206.14	30.10
26 51 13 00-0298	EA	4,600 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-50)	209.99	30.10
26 51 13 00-0299		Volumetric, Lay-In/Troffer LED Fixtures *(26 51 13 00-0283)*		
26 51 13 00-0300		Volumetric, Lay-In/Troffer LED Fixtures (Lithonia) *(26 51 13 00-0299)*		
26 51 13 00-0301	EA	2,500 Lumens, 1' x 4', Volumetric, Lay-In/Troffer LED Fixture (Lithonia RTL4)	391.48	27.31
		For Drywall Or Plaster Ceilings, Add	*18.62*	
26 51 13 00-0302	EA	2,400 Lumens, 2' x 2', Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	339.57	30.10
		For Drywall Or Plaster Ceilings, Add	*20.31*	
26 51 13 00-0303	EA	3,300 Lumens, 2' x 2', Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	346.67	30.10
		For Drywall Or Plaster Ceilings, Add	*20.31*	
26 51 13 00-0304	EA	4,000 Lumens, 2' x 4', Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	378.49	35.06
		For Drywall Or Plaster Ceilings, Add	*23.70*	
26 51 13 00-0305	EA	4,800 Lumens, 2' x 4', Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	402.77	35.06
		For Drywall Or Plaster Ceilings, Add	*23.70*	
26 51 13 00-0306	EA	2,400 Lumens, 2' x 4', Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2VTL4)	320.27	35.06
		For Drywall Or Plaster Ceilings, Add	*23.70*	
26 51 13 00-0307	EA	4,000 Lumens, 2' x 4', Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2VTL4)	320.27	35.06
		For Drywall Or Plaster Ceilings, Add	*23.70*	
26 51 13 00-0308		Architectural, Lay-In/Troffer LED Fixtures *(26 51 13 00-0283)*		
26 51 13 00-0309		Architectural, Lay-In/Troffer LED Fixtures (Lithonia) *(26 51 13 00-0308)*		
		Note: Includes 4,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.		
26 51 13 00-0310	EA	2,100 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4)	359.57	35.06
		For Drywall Or Plaster Ceilings, Add	*23.70*	
26 51 13 00-0311	EA	4,300 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4)	428.59	35.06
		For Drywall Or Plaster Ceilings, Add	*23.70*	
26 51 13 00-0312	EA	6,400 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4)	490.71	35.06
		For Drywall Or Plaster Ceilings, Add	*23.70*	
26 51 13 00-0313		Architectural, Lay-In/Troffer LED Fixtures (CREE®) *(26 51 13 00-0308)*		
		Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.		
26 51 13 00-0314	EA	2,200 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	352.09	35.06
		For Expanded Size Junction Box For Through Wiring, Add	*3.29*	
		For Drywall Or Plaster Ceilings, Add	*97.36*	
		For Surface Mount, Add	*168.11*	
26 51 13 00-0315	EA	3,100 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	359.15	35.06
		For Expanded Size Junction Box For Through Wiring, Add	*3.29*	
		For Drywall Or Plaster Ceilings, Add	*97.36*	
		For Surface Mount, Add	*168.11*	
26 51 13 00-0316	EA	4,000 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	359.15	35.06
		For Expanded Size Junction Box For Through Wiring, Add	*3.29*	
		For Drywall Or Plaster Ceilings, Add	*97.36*	
		For Surface Mount, Add	*168.11*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0317	EA	5,000 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	402.66	35.06
		For Expanded Size Junction Box For Through Wiring, Add	*3.29*	
		For Drywall Or Plaster Ceilings, Add	*97.36*	
		For Surface Mount, Add	*168.11*	
26 51 13 00-0318	EA	2,000 Lumens, 2' x 2', Architectural, Lay-In/Troffer LED Fixture (Cree® CR22™)	290.47	30.10
		For Expanded Size Junction Box For Through Wiring, Add	*3.29*	
		For Drywall Or Plaster Ceilings, Add	*85.12*	
		For Surface Mount, Add	*158.38*	
26 51 13 00-0319	EA	3,200 Lumens, 2' x 2', Architectural, Lay-In/Troffer LED Fixture (Cree® CR22™)	308.11	30.10
		For Expanded Size Junction Box For Through Wiring, Add	*3.29*	
		For Drywall Or Plaster Ceilings, Add	*85.12*	
		For Surface Mount, Add	*158.38*	
26 51 13 00-0320	EA	3,200 Lumens, 2' x 2', Architectural, Lay-In/Troffer LED Fixture (CREE® AR22™)	279.88	30.10
		For Expanded Size Junction Box For Through Wiring, Add	*3.29*	
		For Drywall Or Plaster Ceilings, Add	*85.12*	
		For Surface Mount, Add	*158.38*	
26 51 13 00-0321	EA	3,200 Lumens, 2' x 2', Architectural, Lay-In/Troffer LED Fixture With Step Dimming (CREE® AR22™)	308.11	30.10
		For Expanded Size Junction Box For Through Wiring, Add	*3.29*	
		For Drywall Or Plaster Ceilings, Add	*85.12*	
		For Surface Mount, Add	*158.38*	
26 51 13 00-0322	EA	2,200 Lumens, 2' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR24™)	352.09	35.06
		For Expanded Size Junction Box For Through Wiring, Add	*3.29*	
		For Drywall Or Plaster Ceilings, Add	*99.71*	
		For Surface Mount, Add	*183.40*	
26 51 13 00-0323	EA	3,100 Lumens, 2' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR24™)	359.15	35.06
		For Expanded Size Junction Box For Through Wiring, Add	*3.29*	
		For Drywall Or Plaster Ceilings, Add	*99.71*	
		For Surface Mount, Add	*183.40*	
26 51 13 00-0324	EA	4,000 Lumens, 2' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR24™)	359.15	35.06
		For Expanded Size Junction Box For Through Wiring, Add	*3.29*	
		For Drywall Or Plaster Ceilings, Add	*99.71*	
		For Surface Mount, Add	*183.40*	
26 51 13 00-0325	EA	4,000 Lumens, High Efficiency, 2' x 4', Architectural, Lay-In/Troffer LED Fixture (CREE® CR24™)	445.81	35.06
		For Expanded Size Junction Box For Through Wiring, Add	*3.29*	
		For Drywall Or Plaster Ceilings, Add	*99.71*	
		For Surface Mount, Add	*183.40*	
26 51 13 00-0326	EA	5,000 Lumens, 2' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR24™)	402.66	35.06
		For Expanded Size Junction Box For Through Wiring, Add	*3.29*	
		For Drywall Or Plaster Ceilings, Add	*99.71*	
		For Surface Mount, Add	*183.40*	
26 51 13 00-0327	EA	4,000 Lumens, 2' x 4', Architectural, Lay-In/Troffer LED Fixture (CREE® AR24™)	325.05	35.06
		For Expanded Size Junction Box For Through Wiring, Add	*3.29*	
		For Drywall Or Plaster Ceilings, Add	*99.71*	
		For Surface Mount, Add	*183.40*	
26 51 13 00-0328	EA	4,000 Lumens, 2' x 4', Architectural, Lay-In/Troffer LED Fixture With Step Dimming (CREE® AR24™)	352.09	35.06
		For Expanded Size Junction Box For Through Wiring, Add	*3.29*	
		For Drywall Or Plaster Ceilings, Add	*99.71*	
		For Surface Mount, Add	*183.40*	
26 51 13 00-0329		**Architectural, Lay-In/Troffer LED Fixtures (Metalux®)** *(26 51 13 00-0308)*		
		Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and code gauge steel housing assembly. Excludes sensors.		
26 51 13 00-0330	EA	2,500 Lumens, 2' x 2', Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC)	266.26	30.10
26 51 13 00-0331	EA	4,700 Lumens, 2' x 4', Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC)	357.23	35.06
26 51 13 00-0332		**Shadow Box Style, Lay-In/Troffer LED Fixtures** *(26 51 13 00-0283)*		
26 51 13 00-0333		**Shadow Box Style, Lay-In/Troffer LED Fixtures (Lithonia SBSL)** *(26 51 13 00-0332)*		
26 51 13 00-0334	EA	3,300 Lumens, 2' x 2', Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL2)	324.07	30.10
		For Drywall Or Plaster Ceilings, Add	*20.31*	
26 51 13 00-0335	EA	4,600 Lumens, 2' x 4', Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL4)	440.80	35.06
		For Drywall Or Plaster Ceilings, Add	*23.70*	
26 51 13 00-0336		**Panel Type, Lay-In/Troffer LED Fixtures** *(26 51 13 00-0283)*		
26 51 13 00-0337		**Panel Type, Lay-In/Troffer LED Fixtures (PlanLED Galaxy)** *(26 51 13 00-0336)*		
26 51 13 00-0338	EA	3,100 Lumens, 1' x 4', Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL140-34)	228.02	35.06
26 51 13 00-0339	EA	3,100 Lumens, 2' x 2', Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL220-34)	228.89	30.10
26 51 13 00-0340	EA	4,000 Lumens, 2' x 4', Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-40)	292.07	35.06
26 51 13 00-0341	EA	5,000 Lumens, 2' x 4', Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-52)	292.07	35.06
26 51 13 00-0342		**Surface Mount LED Fixtures** *(26 51 13 00-0271)*		
26 51 13 00-0343		**Surface Mount, Volumetric LED Fixtures** *(26 51 13 00-0342)*		
26 51 13 00-0344	EA	2' Length, 2,200 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL2)	320.06	22.57
26 51 13 00-0345	EA	4' Length, 4,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4)	365.12	27.53
26 51 13 00-0346		**Surface Mount, Wraparound LED Fixtures** *(26 51 13 00-0342)*		
26 51 13 00-0347	EA	2' Length, 3,500 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL2)	184.02	27.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0348	EA	4' Length, 4,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL4)	187.34	27.53
26 51 13 00-0349		**Surface Mount, Shadow Box Style LED Fixtures** *(26 51 13 00-0342)*		
26 51 13 00-0350		**Surface Mount, Shadow Box Style LED Fixtures (Lithonia SBSLX)** *(26 51 13 00-0349)*		
26 51 13 00-0351	EA	3,300 Lumens, 2' x 2', Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX2)	413.32	30.10
26 51 13 00-0352	EA	4,600 Lumens, 2' x 4', Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX4)	530.05	35.06
26 51 13 00-0353		**Recessed LED Downlights** *(26 51 13 00-0271)*		
26 51 13 00-0354		**Recessed LED Downlights** *(26 51 13 00-0353)*		
26 51 13 00-0355		**Recessed LED Downlights (Lithonia)** *(26 51 13 00-0354)*		
		Note: Includes housing and trim.		
26 51 13 00-0356	EA	1,200 Lumens, 8" Diameter, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED)	358.45	36.21
		For Dimming Driver And Sensor Switch nLight Dimming Relay, Add	*81.34*	
26 51 13 00-0357	EA	1,500 Lumens, 8" Diameter, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED)	392.96	36.21
		For Dimming Driver And Sensor Switch nLight Dimming Relay, Add	*81.34*	
26 51 13 00-0358		**Recessed LED Downlights (Portfolio®)** *(26 51 13 00-0354)*		
		Note: Includes housing and trim.		
26 51 13 00-0359	EA	1,300 Lumens, 4" Diameter, Recessed LED Downlight With Open Trim (Portfolio® LD413)	211.68	36.21
26 51 13 00-0360		**Recessed LED Downlights (Gotham® EVO®)** *(26 51 13 00-0354)*		
		Note: Includes housing and trim.		
26 51 13 00-0361	EA	1,800 Lumens, 6" Diameter, Recessed LED Downlight With Open Trim (Gotham® EVO® ALED)	316.42	36.21
26 51 13 00-0362	EA	1,800 Lumens, 6" Diameter, Recessed LED Shower Downlight With Non-Conductive Regressed Lens (Gotham® EVO® ALED)	328.53	36.21
26 51 13 00-0363	EA	1,800 Lumens, 6" Diameter, Recessed LED Wallwash Downlight With Specular Reflector Trim (Gotham® EVO® DLWLED)	378.20	36.21
26 51 13 00-0364	EA	1,800 Lumens, 6" Diameter, Decorative Recessed LED Downlight With Glass Drop Luminous Ring (Gotham® EVO® ALED)	383.05	36.21
26 51 13 00-0365	EA	1,800 Lumens, 6" Diameter, Vandal Resistant, Recessed LED Downlight With Tempered Prismatic Lens (Gotham® EVO® VRALED)	425.45	36.21
26 51 13 00-0366		**Recessed LED Downlights (Lightolier)** *(26 51 13 00-0354)*		
		Note: Includes housing and trim.		
26 51 13 00-0367	EA	500 Lumens, 4" Diameter, Recessed LED Downlight With Open Trim (Lightolier C4L05DL)	313.59	36.21
26 51 13 00-0368	EA	1,000 Lumens, 4" Diameter, Recessed LED Downlight With Open Trim (Lightolier C4L10DL)	366.01	36.21
26 51 13 00-0369	EA	1,500 Lumens, 6" Diameter, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL)	392.17	36.21
26 51 13 00-0370	EA	2,000 Lumens, 6" Diameter, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL)	392.17	36.21
26 51 13 00-0371	EA	1,500 Lumens, 7" Diameter, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL)	405.30	36.21
26 51 13 00-0372	EA	2,000 Lumens, 7" Diameter, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL)	418.45	36.21
26 51 13 00-0373		**Screw-In, Recessed LED Downlights And Trim (CREE®)** *(26 51 13 00-0353)*		
26 51 13 00-0374		**Screw-In, Recessed LED Downlights (CREE®)** *(26 51 13 00-0373)*		
		Note: Dimmable to 5%. For installation in standard recessed IC or non-IC housings. Includes removal of existing lamp from fixture. Excludes housing and disposal of hazardous lamps.		
26 51 13 00-0375	EA	575 Lumens, 4" Diameter, Screw In Base, LED Downlight (Cree® CR4-575L)	69.98	
26 51 13 00-0376	EA	625 Lumens, 6" Diameter, Screw In Base, LED Downlight (Cree® CR6-625L)	60.57	
26 51 13 00-0377	EA	800 Lumens, 6" Diameter, Screw In Base, LED Downlight (Cree® CR6-800L)	74.68	
26 51 13 00-0378		**Screw-In, Recessed LED Downlight Trim (CREE®)** *(26 51 13 00-0373)*		
		Note: For installation in standard recessed IC or non-IC housings. Excludes housing and lamp.		
26 51 13 00-0379	EA	6" Diameter, Anodized Finish Reflector For LED Downlights (Cree® CT6AX)	28.81	5.76
26 51 13 00-0380	EA	6" Diameter, Flat Black Finish Trim And Reflector For LED Downlights (Cree® CT6BB)	29.99	5.76
26 51 13 00-0381		**Can Retrofit Or Surface Mount, LED Downlights** *(26 51 13 00-0353)*		
26 51 13 00-0382	EA	15 Watt, 6" Diameter, Can Retrofit Or Surface Mount, LED Downlight (Lighting Science® GLP6)	85.75	22.57
26 51 13 00-0383	EA	7 Watt, 4" Diameter, Can Retrofit, LED Downlight (Green Creative 01-811-D)	65.59	22.57
26 51 13 00-0384	EA	9.5 Watt, 6" Diameter, Can Retrofit, LED Downlight (Green Creative 01-808-D)	65.59	22.57
26 51 13 00-0385	EA	8.9 Watt, 6" Diameter, Can Retrofit, LED Downlight (Lithonia 6BP)	77.47	22.57
		For Recessed IC/Non-IC Rated Housing For New Construction, Add	*29.39*	
26 51 13 00-0386		**Wall Mount LED Cylinder Downlight** *(26 51 13 00-0271)*		
26 51 13 00-0387	EA	2,200 Lumens, 9" Diameter, Wall Mount LED Cylinder Downlight With Semi-Specular Trim (Gotham® EVO® CLED9)	438.35	35.06
26 51 13 00-0388		**Concealed Continuous LED Fixtures** *(26 51 13 00-0271)*		
26 51 13 00-0389		**Concealed Continuous LED Fixtures (Fraqtir™ S301)** *(26 51 13 00-0388)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0390	LF	Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Driver (Fraqtir™ S301)	359.41	3.76
26 51 13 00-0391	LF	Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Dimming Driver (Fraqtir™ S301)	409.56	3.76
26 51 13 00-0392		LED Low Bay Fixtures *(26 51 13 00-0271)*		
26 51 13 00-0393		LED Linear Low Bay Fixtures (PlanLED) *(26 51 13 00-0392)*		
26 51 13 00-0394	EA	4' Length, 23 System Watts, LED Linear Low Bay Fixture (PlanLED A1W4)	187.58	45.14
26 51 13 00-0395	EA	4' Length, 42 System Watts, LED Linear Low Bay Fixture (PlanLED A2W4A)	245.33	45.14
26 51 13 00-0396	EA	8' Length, 84 System Watts, LED Linear Low Bay Fixture (PlanLED A2W5A)	397.49	56.43
26 51 13 00-0397		LED Linear Low Bay Fixtures (CREE® CS) *(26 51 13 00-0392)* Note: Includes 3,500 or 4,000K color temperature, 120/277 voltage and lightweight polymer housing assembly. Excludes sensors.		
26 51 13 00-0398	EA	4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Cree® CS14™)	502.84	45.14
26 51 13 00-0399	EA	7,500 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™)	625.14	56.43
26 51 13 00-0400	EA	8,000 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™)	800.36	56.43
26 51 13 00-0401		LED Linear Low Bay Fixtures (Lithonia MSL) *(26 51 13 00-0392)* Note: Includes 3,500K, 4,000K or 5,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.		
26 51 13 00-0402	EA	4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Lithonia MSL)	503.86	45.14
26 51 13 00-0403		Wet/Hazardous Location, LED Fixtures *(26 51 13 00-0271)*		
26 51 13 00-0404		Wet Location, LED Fixtures *(26 51 13 00-0403)*		
26 51 13 00-0405		Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM) *(26 51 13 00-0404)* Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 13 00-0406	EA	47 System Watts, 3,240 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM3L)	1,092.25	63.19
		For Ceiling Mount, Add	*162.28*	
		For Quick Clip Mounting Option, Add	*19.39*	
		For Frosted Lens, Add	*41.69*	
		For Warm White Color Rendering, Add	*55.84*	
		For Stanchion Mount, Add	*214.42*	
		For Wall Mount, Add	*220.96*	
		For Polycarbonate Lens, Add	*80.40*	
		For Teflon Coated Lens, Add	*88.49*	
		For 347 Or 480 Volt AC, Add	*121.77*	
26 51 13 00-0407	EA	63 System Watts, 3,778 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM5L)	1,144.10	67.71
		For Ceiling Mount, Add	*162.28*	
		For Quick Clip Mounting Option, Add	*19.39*	
		For Frosted Lens, Add	*41.69*	
		For Warm White Color Rendering, Add	*55.84*	
		For Stanchion Mount, Add	*214.42*	
		For Wall Mount, Add	*220.96*	
		For Polycarbonate Lens, Add	*80.40*	
		For Teflon Coated Lens, Add	*88.49*	
		For 347 Or 480 Volt AC, Add	*121.77*	
26 51 13 00-0408	EA	98 System Watts, 6,340 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM7L)	1,286.36	72.23
		For Ceiling Mount, Add	*162.28*	
		For Quick Clip Mounting Option, Add	*19.39*	
		For Frosted Lens, Add	*41.69*	
		For Warm White Color Rendering, Add	*55.84*	
		For Stanchion Mount, Add	*214.42*	
		For Wall Mount, Add	*220.96*	
		For Polycarbonate Lens, Add	*80.40*	
		For Teflon Coated Lens, Add	*88.49*	
		For 347 Or 480 Volt AC, Add	*121.77*	
26 51 13 00-0409	EA	98 System Watts, 6,340 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM9L)	1,588.12	76.74
		For Ceiling Mount, Add	*162.28*	
		For Quick Clip Mounting Option, Add	*19.39*	
		For Frosted Lens, Add	*41.69*	
		For Warm White Color Rendering, Add	*55.84*	
		For Stanchion Mount, Add	*214.42*	
		For Wall Mount, Add	*220.96*	
		For Polycarbonate Lens, Add	*80.40*	
		For Teflon Coated Lens, Add	*88.49*	
		For 347 Or 480 Volt AC, Add	*121.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0410	EA	137 System Watts, 9,720 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L)	1,853.63	81.25
		For Ceiling Mount, Add	*162.28*	
		For Quick Clip Mounting Option, Add	*19.39*	
		For Frosted Lens, Add	*41.69*	
		For Warm White Color Rendering, Add	*55.84*	
		For Stanchion Mount, Add	*214.42*	
		For Wall Mount, Add	*220.96*	
		For Polycarbonate Lens, Add	*80.40*	
		For Teflon Coated Lens, Add	*88.49*	
		For 347 Or 480 Volt AC, Add	*121.77*	

26 51 13 00-0411 Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM) *(26 51 13 00-0404)*

Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 51 13 00-0412	EA	64 System Watts, 3,160 Lumens, Yoke Mount, Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM5L)	1,182.72	67.71
		For Bolt-On Visor, Add	*30.49*	
		For Bolt-On Wire Guard, Add	*55.84*	
		For Factory Installed Fuse, Add	*78.54*	
		For 347 Or 480 Volt AC, Add	*121.77*	
		For Warm White Color Rendering, Add	*124.42*	
26 51 13 00-0413	EA	94 System Watts, 4,740 Lumens, Yoke Mount, Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM7L)	1,466.90	72.23
		For Bolt-On Visor, Add	*30.49*	
		For Bolt-On Wire Guard, Add	*55.84*	
		For Factory Installed Fuse, Add	*78.54*	
		For 347 Or 480 Volt AC, Add	*121.77*	
		For Warm White Color Rendering, Add	*124.42*	
26 51 13 00-0414	EA	126 System Watts, 6,320 Lumens, Yoke Mount, Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM9L)	1,615.74	76.74
		For Bolt-On Visor, Add	*30.49*	
		For Bolt-On Wire Guard, Add	*55.84*	
		For Factory Installed Fuse, Add	*78.54*	
		For 347 Or 480 Volt AC, Add	*121.77*	
		For Warm White Color Rendering, Add	*124.42*	
26 51 13 00-0415	EA	188 System Watts, 9,481 Lumens, Yoke Mount, Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM11L)	1,851.17	81.25
		For Bolt-On Visor, Add	*30.49*	
		For Bolt-On Wire Guard, Add	*55.84*	
		For Factory Installed Fuse, Add	*78.54*	
		For 347 Or 480 Volt AC, Add	*121.77*	
		For Warm White Color Rendering, Add	*124.42*	

26 51 13 00-0416 Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2L) *(26 51 13 00-0404)*

Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 51 13 00-0417	EA	25 System Watts, 1,400 Lumens, Pendant Mount, Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2LC)	702.51	63.19
		For 12/24 Volt DC Driver, Add	*23.56*	
		For Frosted Lens, Add	*26.53*	
		For 55 Degree Ambient Suitability (AC Only), Add	*32.06*	
		For Warm White Color Rendering, Add	*37.54*	
		For Ceiling Mount, Add	*143.83*	
		For Wall Mount, Add	*167.09*	
		For Teflon Coated Lens, Add	*101.76*	
		For Wall Mount With Junction Box, Add	*201.04*	

26 51 13 00-0418 Class I Division 2, Hazardous Location, LED Fixtures *(26 51 13 00-0403)*

26 51 13 00-0419 Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV) *(26 51 13 00-0418)*

Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 51 13 00-0420	EA	64 System Watts, 3,160 Lumens, Yoke Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV5L)	1,354.54	67.71
		For Bolt-On Visor, Add	*35.06*	
		For Bolt-On Wire Guard, Add	*64.21*	
		For Factory Installed Fuse, Add	*78.54*	
		For 347 Or 480 Volt AC, Add	*121.77*	
		For Warm White Color Rendering, Add	*124.42*	
26 51 13 00-0421	EA	94 System Watts, 4,740 Lumens, Yoke Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV7L)	1,655.28	72.23
		For Bolt-On Visor, Add	*35.06*	
		For Bolt-On Wire Guard, Add	*64.21*	
		For Factory Installed Fuse, Add	*78.54*	
		For 347 Or 480 Volt AC, Add	*121.77*	
		For Warm White Color Rendering, Add	*124.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0422	EA	126 System Watts, 6,320 Lumens, Yoke Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV9L)	1,868.07	76.74
		For Bolt-On Visor, Add	*35.06*	
		For Bolt-On Wire Guard, Add	*64.21*	
		For Factory Installed Fuse, Add	*78.54*	
		For 347 Or 480 Volt AC, Add	*121.77*	
		For Warm White Color Rendering, Add	*124.42*	
26 51 13 00-0423	EA	188 System Watts, 9,481 Lumens, Yoke Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV11L)	2,086.71	81.25
		For Bolt-On Visor, Add	*35.06*	
		For Bolt-On Wire Guard, Add	*64.21*	
		For Factory Installed Fuse, Add	*78.54*	
		For 347 Or 480 Volt AC, Add	*121.77*	
		For Warm White Color Rendering, Add	*124.42*	

26 51 13 00-0424 Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC) *(26 51 13 00-0418)*

Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 51 13 00-0425	EA	25 System Watts, 1,600 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC)	830.28	63.19
		For 12/24 Volt DC Driver, Add	*20.49*	
		For Frosted Lens, Add	*23.07*	
		For Warm White Color Temperature LEDs, Add	*27.88*	
		For 55 Degree Ambient Suitability (AC Only) Option, Add	*32.64*	
		For Stanchion Mount, Add	*149.33*	
		For Ceiling Mount, Add	*166.47*	
		For Wall Mount, Add	*190.89*	
		For Teflon Coated Lens, Add	*88.49*	
		For Wall Mount With Junction Box, Add	*226.54*	

26 51 13 00-0426 Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV) *(26 51 13 00-0418)*

Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 51 13 00-0427	EA	47 System Watts, 3,240 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV3L)	1,239.37	63.19
		For Ceiling Mount, Add	*186.98*	
		For Quick Clip Mounting Option, Add	*19.39*	
		For Frosted Lens, Add	*47.95*	
		For Warm White Color Rendering, Add	*55.84*	
		For Polycarbonate Lens, Add	*80.40*	
		For 347 Or 480 Volt AC, Add	*121.77*	
26 51 13 00-0428	EA	63 System Watts, 3,778 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV5L)	1,371.95	67.71
		For Ceiling Mount, Add	*186.98*	
		For Quick Clip Mounting Option, Add	*19.39*	
		For Frosted Lens, Add	*47.95*	
		For Warm White Color Rendering, Add	*55.84*	
		For Polycarbonate Lens, Add	*80.40*	
		For 347 Or 480 Volt AC, Add	*121.77*	
26 51 13 00-0429	EA	98 System Watts, 6,340 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV7L)	1,641.55	72.23
		For Ceiling Mount, Add	*186.98*	
		For Quick Clip Mounting Option, Add	*19.39*	
		For Frosted Lens, Add	*47.95*	
		For Warm White Color Rendering, Add	*55.84*	
		For Polycarbonate Lens, Add	*80.40*	
		For 347 Or 480 Volt AC, Add	*121.77*	
26 51 13 00-0430	EA	98 System Watts, 6,340 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV9L)	1,994.20	76.74
		For Ceiling Mount, Add	*186.98*	
		For Quick Clip Mounting Option, Add	*19.39*	
		For Frosted Lens, Add	*47.95*	
		For Warm White Color Rendering, Add	*55.84*	
		For Polycarbonate Lens, Add	*80.40*	
		For 347 Or 480 Volt AC, Add	*121.77*	
26 51 13 00-0431	EA	137 System Watts, 9,720 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV11L)	2,245.57	81.25
		For Ceiling Mount, Add	*186.98*	
		For Quick Clip Mounting Option, Add	*19.39*	
		For Frosted Lens, Add	*47.95*	
		For Warm White Color Rendering, Add	*55.84*	
		For Polycarbonate Lens, Add	*80.40*	
		For 347 Or 480 Volt AC, Add	*121.77*	

26 51 13 00-0432 Class I Division 1, Explosion Proof, LED Fixtures *(26 51 13 00-0403)*

26 51 13 00-0433 Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL) *(26 51 13 00-0432)*

Note: Includes 5,600K CRI LED arrays, shatter resistant and explosion proof glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0434	EA	80 System Watts, 5,625 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL5L)	1,792.39	67.71
		For Wall Mount, Deduct	*254.45*	
		For Warm Color Temperature LEDs, Add	*53.18*	
		For Stainless Steel Guard, Add	*337.31*	
		For Ceiling Mount, Add	*350.39*	
		For Stanchion Mount, Add	*393.86*	
		For Yoke Mount, Add	*331.95*	
26 51 13 00-0435	EA	100 System Watts, 6,750 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL7L)	2,175.10	72.23
		For Wall Mount, Deduct	*254.45*	
		For Warm Color Temperature LEDs, Add	*53.18*	
		For Stainless Steel Guard, Add	*337.31*	
		For Ceiling Mount, Add	*350.39*	
		For Stanchion Mount, Add	*393.86*	
		For Yoke Mount, Add	*331.95*	
26 51 13 00-0436	EA	130 System Watts, 9,000 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL9L)	2,523.76	76.74
		For Wall Mount, Deduct	*254.45*	
		For Warm Color Temperature LEDs, Add	*53.18*	
		For Stainless Steel Guard, Add	*337.31*	
		For Ceiling Mount, Add	*350.39*	
		For Stanchion Mount, Add	*393.86*	
		For Yoke Mount, Add	*331.95*	
26 51 13 00-0437	EA	151 System Watts, 10,500 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL11L)	2,878.78	81.25
		For Wall Mount, Deduct	*254.45*	
		For Warm Color Temperature LEDs, Add	*53.18*	
		For Stainless Steel Guard, Add	*337.31*	
		For Ceiling Mount, Add	*350.39*	
		For Stanchion Mount, Add	*393.86*	
		For Yoke Mount, Add	*331.95*	
26 51 13 00-0438	EA	175 System Watts, 13,500 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL13L)	3,332.00	78.24
		For Wall Mount, Deduct	*254.45*	
		For Warm Color Temperature LEDs, Add	*53.18*	
		For Stainless Steel Guard, Add	*337.31*	
		For Ceiling Mount, Add	*350.39*	
		For Stanchion Mount, Add	*393.86*	
		For Yoke Mount, Add	*331.95*	

26 51 13 00-0439 Refrigeration/Display LED Fixtures *(26 51 13 00-0271)*

26 51 13 00-0440 Refrigeration/Display LED Fixtures (Lithonia) *(26 51 13 00-0439)*

Note: Fixtures exclude driver.

26 51 13 00-0441	EA	5' Length, Center Mount, Refrigeration/Display, Vertical LED Fixture (Lithonia FSV5 CM DLC)	260.47	35.06
26 51 13 00-0442	EA	5' Length, Left And Right Mount (Pair), Refrigeration/Display, Vertical LED Fixture (Lithonia FSVDRVL RLEM DLC)	330.55	62.07
26 51 13 00-0443	EA	Up To 5 Door Configuration, LED Driver For Refrigeration/Display, Vertical LED Fixtures (Lithonia FSVDRVL)	324.80	49.66

26 51 13 00-0444 Recessed Fixtures *(26 51 13)*

Note: Housing and trim priced separately.

26 51 13 00-0445 Recessed Fixture Housings *(26 51 13 00-0444)*

Note: Lamps included in all prices. The housing insulation must be 3" from housing. ICT may be covered with insulation. Remodel housing may be installed from below ceiling. ICAT housing is air tight. Demo cost of housing includes demo of any fixture trim.

26 51 13 00-0446 Compact Fluorescent, Recessed Fixture Housings *(26 51 13 00-0445)*

26 51 13 00-0447	EA	4" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	83.44	23.53
		For ICAT Housing, Add	*6.20*	
26 51 13 00-0448	EA	5" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	85.53	23.53
		For ICAT Housing, Add	*6.47*	
26 51 13 00-0449	EA	6" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	88.85	24.69
		For ICAT Housing, Add	*6.68*	
26 51 13 00-0450	EA	7" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	91.63	25.76
		For ICAT Housing, Add	*6.83*	
26 51 13 00-0451	EA	8" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	94.74	26.83
		For ICAT Housing, Add	*7.02*	
26 51 13 00-0452	EA	10" To 12" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	98.03	28.47
		For ICAT Housing, Add	*7.12*	

26 51 13 00-0453 Fluorescent, Recessed Fixture Housings *(26 51 13 00-0445)*

26 51 13 00-0454	EA	4" Round, Fluorescent, T Or ICT Recessed Fixture Housing	74.32	23.53
		For ICAT Housing, Add	*5.02*	
26 51 13 00-0455	EA	5" Round, Fluorescent, T Or ICT Recessed Fixture Housing	76.44	23.53
		For ICAT Housing, Add	*5.30*	
26 51 13 00-0456	EA	6" Round, Fluorescent, T Or ICT Recessed Fixture Housing	79.69	24.61
		For ICAT Housing, Add	*5.50*	
26 51 13 00-0457	EA	7" Round, Fluorescent, T Or ICT Recessed Fixture Housing	83.67	25.51
		For ICAT Housing, Add	*5.80*	
26 51 13 00-0458	EA	8" Round, Fluorescent, T Or ICT Recessed Fixture Housing	87.21	26.83
		For ICAT Housing, Add	*6.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0459	EA	10" To 12" Square, Fluorescent, T Or ICT Recessed Fixture Housing	90.66	28.47
		For ICAT Housing, Add	*6.17*	
26 51 13 00-0460		**High Pressure Sodium, Recessed Fixture Housings** *(26 51 13 00-0445)*		
26 51 13 00-0461	EA	4" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	86.45	23.70
		For ICAT Housing, Add	*6.59*	
26 51 13 00-0462	EA	5" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	89.86	23.70
		For ICAT Housing, Add	*7.03*	
26 51 13 00-0463	EA	6" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	94.34	24.69
		For ICAT Housing, Add	*7.39*	
26 51 13 00-0464	EA	7" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	97.85	25.76
		For ICAT Housing, Add	*7.63*	
26 51 13 00-0465	EA	8" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	101.32	26.83
		For ICAT Housing, Add	*7.87*	
26 51 13 00-0466	EA	10" To 12" Square, High Pressure Sodium, T Or ICT Recessed Fixture Housing	104.71	28.47
		For ICAT Housing, Add	*7.99*	
26 51 13 00-0467		**Incandescent, Recessed Fixture Housings** *(26 51 13 00-0445)*		
26 51 13 00-0468	EA	4" Round, Incandescent, T Or ICT Recessed Fixture Housing	50.43	23.53
		For ICAT Housing, Add	*1.94*	
26 51 13 00-0469	EA	5" Round, Incandescent, T Or ICT Recessed Fixture Housing	50.43	23.53
		For ICAT Housing, Add	*1.94*	
26 51 13 00-0470	EA	6" Round, Incandescent, T Or ICT Recessed Fixture Housing	53.37	24.69
		For ICAT Housing, Add	*2.11*	
26 51 13 00-0471	EA	7" Round, Incandescent, T Or ICT Recessed Fixture Housing	56.40	25.76
		For ICAT Housing, Add	*2.29*	
26 51 13 00-0472	EA	8" Round, Incandescent, T Or ICT Recessed Fixture Housing	59.43	26.83
		For ICAT Housing, Add	*2.47*	
26 51 13 00-0473	EA	10" To 12" Square, Incandescent, T Or ICT Recessed Fixture Housing	61.11	28.47
		For ICAT Housing, Add	*2.36*	
26 51 13 00-0474		**LED, Recessed Fixture Housings** *(26 51 13 00-0445)*		
26 51 13 00-0475	EA	16 Watt, 6" Round, LED, Recessed Fixture Housing	348.06	24.69
26 51 13 00-0476	EA	25 Watt, 6" Round, LED, Recessed Fixture Housing	414.71	24.69
26 51 13 00-0477	EA	28 Watt, 8" Round, LED, Recessed Fixture Housing	506.87	26.83
26 51 13 00-0478	EA	36 Watt, 8" Round, LED, Recessed Fixture Housing	606.85	26.83
26 51 13 00-0479		**Recessed Fixture Trim** *(26 51 13 00-0444)*		
26 51 13 00-0480	EA	Circular, Recessed Fixture Trim	35.89	11.52
26 51 13 00-0481	EA	Circular Clear Lens, Recessed Fixture Trim	39.30	11.52
26 51 13 00-0482	EA	Open/Baffle, Recessed Fixture Trim	45.21	11.52
26 51 13 00-0483	EA	Specular Reflector, Recessed Fixture Trim	48.34	11.52
26 51 13 00-0484	EA	Eyeball, Recessed Fixture Trim	39.35	11.52
26 51 13 00-0485	EA	10" To 12" Square, Clear Lens, Recessed Fixture Trim	37.52	11.52
26 51 13 00-0486	EA	10" To 12" Square, Drop Dish, Recessed Fixture Trim	39.62	11.52
26 51 13 00-0487		**Ceiling Mounted Fixtures** *(26 51 13)*		
26 51 13 00-0488		**Ceiling Mounted, Compact Fluorescent/Incandescent Fixtures** *(26 51 13 00-0487)*		
26 51 13 00-0489		**Glass Globe, Compact Fluorescent/Incandescent Fixtures** *(26 51 13 00-0488)*		
26 51 13 00-0490	EA	6" Diameter, Ceiling Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture	85.58	32.91
26 51 13 00-0491	EA	9" Diameter, Ceiling Mounted, Mushroom Style Glass Globe, Compact Fluorescent/Incandescent Fixture	97.97	32.91
26 51 13 00-0492		**Ceiling Mounted, Circline Fluorescent Fixtures** *(26 51 13 00-0487)*		
26 51 13 00-0493		**Exposed Lamps, Circline Fluorescent Fixtures** *(26 51 13 00-0492)*		
26 51 13 00-0494	EA	8-1/2" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture	76.16	32.91
26 51 13 00-0495	EA	12" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture	82.21	32.91
26 51 13 00-0496		**Low Profile Acrylic Diffuser, Circline Fluorescent Fixtures** *(26 51 13 00-0492)*		
26 51 13 00-0497	EA	11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	102.00	32.91
26 51 13 00-0498	EA	14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	136.09	32.91
26 51 13 00-0499	EA	19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	159.72	32.91
26 51 13 00-0500	EA	12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	113.04	32.91
26 51 13 00-0501	EA	15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	136.79	32.91
26 51 13 00-0502	EA	19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	159.72	32.91
26 51 13 00-0503		**Ceiling Mounted, Double Twin Tube Compact Fluorescent Fixtures** *(26 51 13 00-0487)*		
26 51 13 00-0504		**Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixtures** *(26 51 13 00-0503)*		
26 51 13 00-0505	EA	11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	104.64	32.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0506	EA	14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	127.98	32.91
26 51 13 00-0507	EA	19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	149.21	32.91
26 51 13 00-0508	EA	12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	87.15	32.91
26 51 13 00-0509	EA	15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	100.15	32.91
26 51 13 00-0510	EA	19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	124.80	32.91
26 51 13 00-0511		Pendant Mounted, Compact Fluorescent/Incandescent Downlights *(26 51 13 00-0487)*		
26 51 13 00-0512		Pendant Mounted, Compact Fluorescent/Incandescent Open Reflector Downlights *(26 51 13 00-0511)*		
26 51 13 00-0513	EA	6" Diameter, Pendant Mounted, Open Reflector Compact Fluorescent/Incandescent Downlight	146.70	27.04
26 51 13 00-0514		Pendant Mounted, Compact Fluorescent/Incandescent Downlights With Baffle *(26 51 13 00-0511)*		
26 51 13 00-0515	EA	6" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle	165.55	27.04
26 51 13 00-0516	EA	8" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle	226.38	27.04
26 51 13 00-0517		Pendant Mounted, Horizontal Indirect Fluorescent Fixtures *(26 51 13 00-0487)*		
26 51 13 00-0518	EA	1 T5HO Lamp, 4' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	164.50	27.04
26 51 13 00-0519	EA	2 T5HO Lamps, 4' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	176.47	27.04
26 51 13 00-0520	EA	3 T5HO Lamps, 4' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	210.92	27.04
26 51 13 00-0521	EA	2 T5HO Lamps, 8' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	216.33	27.04
26 51 13 00-0522	EA	4 T5HO Lamps, 8' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	260.70	27.04
26 51 13 00-0523	EA	6 T5HO Lamps, 8' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	312.23	27.04
26 51 13 00-0524		Finelite Fluorescent Fixtures *(26 51 13 00-0487)*		
26 51 13 00-0525		Pendant Mounted, Fluorescent Downlight Fixtures (Finelite Series 10) *(26 51 13 00-0524)*		
26 51 13 00-0526	EA	1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	270.31	38.35
26 51 13 00-0527	EA	2 T8 Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	269.20	38.35
26 51 13 00-0528	EA	3 T8 Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	290.23	38.35
26 51 13 00-0529	EA	1 T5HO Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	325.96	38.35
26 51 13 00-0530	EA	2 T5HO Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	358.37	38.35
26 51 13 00-0531	EA	3 T5HO Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	439.48	38.35
26 51 13 00-0532	EA	2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	381.55	39.99
26 51 13 00-0533	EA	4 T8 Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	392.61	39.99
26 51 13 00-0534	EA	6 T8 Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	434.67	39.99
26 51 13 00-0535	EA	2 T5HO Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	422.01	39.99
26 51 13 00-0536	EA	4 T5HO Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	531.10	39.99
26 51 13 00-0537	EA	6 T5HO Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	626.90	39.99
26 51 13 00-0538	EA	3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	501.64	41.64
26 51 13 00-0539	EA	6 T8 Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	520.45	41.64
26 51 13 00-0540	EA	9 T8 Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	574.69	41.64
26 51 13 00-0541	EA	3 T5HO Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	584.48	41.64
26 51 13 00-0542	EA	6 T5HO Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	725.97	41.64
26 51 13 00-0543	EA	9 T5HO Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	871.89	41.64
26 51 13 00-0544		Pendant Mounted, Fluorescent Wallwash Fixtures (Finelite Series X2-O) *(26 51 13 00-0524)*		
26 51 13 00-0545	EA	1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	254.05	38.35
26 51 13 00-0546	EA	1 T5 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	275.44	38.35
26 51 13 00-0547	EA	1 T5HO Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	277.57	38.35
26 51 13 00-0548	EA	2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	367.01	39.99
26 51 13 00-0549	EA	2 T5 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	391.80	39.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0550	EA	2 T5HO Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	396.05	39.99
26 51 13 00-0551	EA	3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	479.98	41.64
26 51 13 00-0552	EA	3 T5 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	544.15	41.64
26 51 13 00-0553	EA	3 T5HO Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	550.54	41.64
26 51 13 00-0554		Pendant Mounted, Fluorescent Indirect Fixtures (Finelite Series 8) *(26 51 13 00-0524)*		
26 51 13 00-0555	EA	1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	197.55	38.35
26 51 13 00-0556	EA	2 T8 Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	207.76	38.35
26 51 13 00-0557	EA	3 T8 Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	243.28	38.35
26 51 13 00-0558	EA	2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	254.26	39.99
26 51 13 00-0559	EA	4 T8 Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	297.70	39.99
26 51 13 00-0560	EA	6 T8 Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	349.19	39.99
26 51 13 00-0561	EA	3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	345.48	41.64
26 51 13 00-0562	EA	6 T8 Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	419.84	41.64
26 51 13 00-0563	EA	9 T8 Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	498.79	41.64
26 51 13 00-0564		Track Lighting *(26 51 13)*		
26 51 13 00-0565		Track Lighting Tracks *(26 51 13 00-0564)*		
26 51 13 00-0566	LF	1 Circuit Track Lighting Track	22.41	5.43
26 51 13 00-0567	LF	2 Circuit Track Lighting Track	29.80	5.43
26 51 13 00-0568	LF	3 Circuit Track Lighting Track	36.06	5.43
26 51 13 00-0569	LF	4 Circuit Track Lighting Track	42.32	6.58
26 51 13 00-0570		Track Lighting Fixtures *(26 51 13 00-0564)*		
26 51 13 00-0571		Compact Fluorescent Track Lighting Fixtures *(26 51 13 00-0570)*		
26 51 13 00-0572	EA	Compact Fluorescent Track Lighting Fixture	52.76	13.74
26 51 13 00-0573		Fluorescent Track Lighting Fixtures *(26 51 13 00-0570)*		
26 51 13 00-0574	EA	2L 18W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	258.38	13.74
26 51 13 00-0575	EA	2L 39W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	270.37	13.74
26 51 13 00-0576	EA	2L 40W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	277.87	13.74
26 51 13 00-0577	EA	2L 50W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	245.46	13.74
26 51 13 00-0578	EA	2L, 55 Watt BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	314.42	13.74
26 51 13 00-0579		Metal Halide Track Lighting Fixtures *(26 51 13 00-0570)*		
26 51 13 00-0580	EA	Metal Halide Track Lighting Fixture	55.53	13.74
26 51 13 00-0581		Incandescent Track Lighting Fixtures *(26 51 13 00-0570)*		
26 51 13 00-0582	EA	Incandescent Track Lighting Fixture	45.88	13.74
26 51 13 00-0583	EA	Par 20 Track Fixture, White Or Black Finish, 120 Volt	59.74	13.74
26 51 13 00-0584	EA	Par 30 Track Fixture, White Or Black Finish, 120 Volt	89.98	13.74
26 51 13 00-0585	EA	Par 38 Track Fixture, White Or Black Finish, 120 Volt	92.98	13.74
26 51 13 00-0586	EA	PAR 16, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt	73.43	13.74
26 51 13 00-0587	EA	PAR 20, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt	59.74	13.74
26 51 13 00-0588	EA	PAR 30, Baffled Cylinder Track Fixture, White or Black Finish Note: 120V.	71.99	13.74
26 51 13 00-0589	EA	PAR 38, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt	95.97	13.74
26 51 13 00-0590		LED Track Lighting Fixtures *(26 51 13 00-0570)*		
26 51 13 00-0591	EA	19 Watt, Dimmable, LED Track Lighting Fixture (Juno® TRAC-MASTER® Cylindra™)	206.57	13.74
26 51 13 00-0592	EA	18 Watt, Dimmable, LED Track Lighting Fixture (HALO® Stasis L805MED)	368.55	13.74
26 51 13 00-0593	EA	24 Watt, Dimmable, LED Track Lighting Fixture (Amerlux CNTRV33)	212.73	13.74
26 51 13 00-0594		Track Lighting Accessories *(26 51 13 00-0564)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0595		**Pendant Mounting** *(26 51 13 00-0594)*		
26 51 13 00-0596	EA	Track Lighting Pendant Mounting, Up to 12"	22.50	
26 51 13 00-0597	EA	Track Lighting Pendant Mounting, >12" To 24"	29.89	
26 51 13 00-0598	EA	Track Lighting Pendant Mounting, >24" To 36"	36.75	
26 51 13 00-0599		**Wet Location, Dust Resistant, Vapor Tight Fixtures** *(26 51 13)*		
26 51 13 00-0600		**Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures** *(26 51 13 00-0599)*		
26 51 13 00-0601		**Incandescent, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures** *(26 51 13 00-0600)*		
26 51 13 00-0602	EA	100 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	117.21	32.91
		For Wall Mounted, Add	*5.10*	
26 51 13 00-0603	EA	200 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	138.63	32.91
		For Wall Mounted, Add	*5.10*	
26 51 13 00-0604		**Compact Fluorescent, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures** *(26 51 13 00-0600)*		
26 51 13 00-0605	EA	13 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	128.26	32.91
		For Wall Mounted, Add	*6.02*	
26 51 13 00-0606	EA	22 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	132.47	32.91
		For Wall Mounted, Add	*6.02*	
26 51 13 00-0607	EA	28 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	142.89	32.91
		For Wall Mounted, Add	*6.02*	
26 51 13 00-0608		**Metal Halide, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures** *(26 51 13 00-0600)*		
26 51 13 00-0609	EA	75 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	164.90	32.91
		For Wall Mounted, Add	*6.30*	
26 51 13 00-0610	EA	100 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	170.81	32.91
		For Wall Mounted, Add	*6.30*	
26 51 13 00-0611	EA	150 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	182.81	32.91
		For Wall Mounted, Add	*6.30*	
26 51 13 00-0612	EA	175 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	200.86	32.91
		For Wall Mounted, Add	*6.30*	
26 51 13 00-0613		**High Pressure Sodium, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures** *(26 51 13 00-0600)*		
26 51 13 00-0614	EA	70 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	150.84	32.91
		For Wall Mounted, Add	*6.67*	
26 51 13 00-0615	EA	100 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	158.18	32.91
		For Wall Mounted, Add	*6.67*	
26 51 13 00-0616	EA	150 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	186.55	32.91
		For Wall Mounted, Add	*6.67*	
26 51 13 00-0617		**Enclosed And Gasketed, Industrial Fluorescent Fixtures** *(26 51 13 00-0599)*		
26 51 13 00-0618		**4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures** *(26 51 13 00-0617)*		
26 51 13 00-0619		**4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia DMW)** *(26 51 13 00-0618)*		
		Note: Includes high impact acrylic molded lens.		
26 51 13 00-0620	EA	1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	160.25	35.06
		For T5 Fixture Instead Of T8, Add	*12.32*	
26 51 13 00-0621	EA	2 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	167.51	35.06
		For T5 Fixture Instead Of T8, Add	*13.15*	
26 51 13 00-0622	EA	3 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	254.46	35.06
		For T5 Fixture Instead Of T8, Add	*23.10*	
26 51 13 00-0623	EA	1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	221.73	35.06
26 51 13 00-0624	EA	2 T8HO Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	348.77	35.06
26 51 13 00-0625		**4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Day-Brite V2W)** *(26 51 13 00-0618)*		
		Note: Includes high impact acrylic molded lens.		
26 51 13 00-0626	EA	1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	194.18	35.06
26 51 13 00-0627	EA	2 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	196.51	35.06
26 51 13 00-0628	EA	3 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	281.93	35.06
26 51 13 00-0629	EA	1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	234.74	35.06
26 51 13 00-0630	EA	2 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	244.95	35.06

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0631		8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures *(26 51 13 00-0617)*		
		Note: Includes high impact acrylic molded lens.		
26 51 13 00-0632		8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia TDMW) *(26 51 13 00-0631)*		
		Note: Includes high impact acrylic molded lens.		
26 51 13 00-0633	EA	2 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW)	295.46	47.62
		For T5 Fixture Instead Of T8, Add	*25.65*	
26 51 13 00-0634	EA	4 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW)	306.98	47.62
		For T5 Fixture Instead Of T8, Add	*26.97*	
26 51 13 00-0635		Large Interior Area Fixtures *(26 51 13)*		
26 51 13 00-0636		Recessed Mounted, Large Interior Area Fixtures *(26 51 13 00-0635)*		
		Note: Cast aluminum socket housing, anodized aluminum reflector, tempered glass or acrylic lens, plaster mounting frames and brackets.		
26 51 13 00-0637		High Pressure Sodium, Recessed Mounted, Large Interior Area Fixtures *(26 51 13 00-0636)*		
26 51 13 00-0638	EA	150 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	263.68	87.73
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
26 51 13 00-0639	EA	250 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	273.91	93.15
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
26 51 13 00-0640	EA	400 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	294.09	106.32
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
26 51 13 00-0641		Metal Halide, Recessed Mounted, Large Interior Area Fixtures *(26 51 13 00-0636)*		
26 51 13 00-0642	EA	150 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	268.22	87.73
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
26 51 13 00-0643	EA	250 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	274.80	93.15
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
26 51 13 00-0644	EA	400 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	293.89	106.32
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
26 51 13 00-0645		Low Bay Fixtures, Large Interior Area Fixtures *(26 51 13 00-0635)*		
		Note: Heavy duty steel housing, aluminum reflector, tempered glass or acrylic lens. Low bay fixtures are for mounting below 20-25 feet.		
26 51 13 00-0646		High Pressure Sodium, Low Bay Fixtures *(26 51 13 00-0645)*		
26 51 13 00-0647	EA	150 Watt High Pressure Sodium, Low Bay Fixture	398.61	80.20
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
26 51 13 00-0648	EA	250 Watt High Pressure Sodium, Low Bay Fixture	406.58	85.16
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
26 51 13 00-0649	EA	400 Watt High Pressure Sodium, Low Bay Fixture	431.04	97.20
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
26 51 13 00-0650		Metal Halide, Low Bay Fixtures *(26 51 13 00-0645)*		
26 51 13 00-0651	EA	175 Watt Metal Halide, Low Bay Fixture	398.52	80.20
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
26 51 13 00-0652	EA	250 Watt Metal Halide, Low Bay Fixture	405.79	85.16
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
26 51 13 00-0653	EA	400 Watt Metal Halide, Low Bay Fixture	428.99	97.20
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
26 51 13 00-0654		High Bay Fixtures, Large Interior Area Fixtures *(26 51 13 00-0635)*		
		Note: High bay fixtures are for mounting above 20-25 feet. See CSI section 01 22 23 00-0001 for lifts.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0655		**High Pressure Sodium, High Bay Fixtures** *(26 51 13 00-0654)*		
		Note: Includes heavy duty steel housing and aluminum reflector. Excludes lens.		
26 51 13 00-0656	EA	250 Watt High Pressure Sodium, High Bay Fixture	355.30	85.16
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	
26 51 13 00-0657	EA	400 Watt High Pressure Sodium, High Bay Fixture	385.17	97.20
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	
26 51 13 00-0658	EA	1,000 Watt High Pressure Sodium, High Bay Fixture	578.06	102.24
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	
26 51 13 00-0659		**Metal Halide, High Bay Fixtures** *(26 51 13 00-0654)*		
		Note: Includes heavy duty steel housing and aluminum reflector. Excludes lens.		
26 51 13 00-0660	EA	250 Watt Metal Halide, High Bay Fixture	330.43	85.16
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	
26 51 13 00-0661	EA	400 Watt Metal Halide, High Bay Fixture	353.42	97.20
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	
26 51 13 00-0662	EA	1,000 Watt Metal Halide, High Bay Fixture	491.05	102.24
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	
26 51 13 00-0663		**(T8) Fluorescent, High Bay Fixtures** *(26 51 13 00-0654)*		
26 51 13 00-0664		**(T8) Fluorescent, High Bay Fixtures (Lithonia)** *(26 51 13 00-0663)*		
		Note: For 8' fixture, use two (2) 4' fixtures.		
26 51 13 00-0665	EA	2 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	282.10	76.74
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 13 00-0666	EA	3 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	297.06	85.01
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 13 00-0667	EA	4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	337.20	97.05
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 13 00-0668	EA	6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	399.96	102.24
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 13 00-0669	EA	8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	433.99	106.98
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0670	EA	4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	356.73	97.05
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 13 00-0671	EA	6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	370.89	102.24
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 13 00-0672	EA	8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	433.79	106.98
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	

26 51 13 00-0673 (T5HO) Fluorescent, High Bay Fixtures *(26 51 13 00-0654)*

26 51 13 00-0674 (T5HO) Fluorescent, High Bay Fixtures (Lithonia) *(26 51 13 00-0673)*

Note: For 8' fixture, use two (2) 4' fixtures.

26 51 13 00-0675	EA	2 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	289.90	76.74
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 13 00-0676	EA	3 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	307.38	85.01
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 13 00-0677	EA	4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	351.92	97.05
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 13 00-0678	EA	6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	424.57	102.24
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 13 00-0679	EA	4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	393.72	97.05
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 13 00-0680	EA	6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	439.95	102.24
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 13 00-0681	EA	8 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	528.87	106.98
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	

26 51 13 00-0682 Induction, High Bay Fixtures *(26 51 13 00-0654)*

26 51 13 00-0683 Induction, High Bay Fixtures (Everlast®) *(26 51 13 00-0682)*

Note: Includes die cast aluminum ballast casing and acrylic lens.

26 51 13 00-0684	EA	100 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	444.32	74.48
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 13 00-0685	EA	120 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	480.11	76.96
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 13 00-0686	EA	150 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	488.29	79.45
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 13 00-0687	EA	200 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	537.32	81.93
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 13 00-0688	EA	250 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	551.03	84.41
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 13 00-0689	EA	100 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	482.97	74.48
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 13 00-0690	EA	120 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	518.76	76.96
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 13 00-0691	EA	150 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	526.94	79.45
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 13 00-0692	EA	200 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	575.97	81.93
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 13 00-0693	EA	250 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	589.68	84.41
		For Impact Resistant Silicon Lens, Add	*20.00*	

26 51 13 00-0694 LED, High Bay Fixtures *(26 51 13 00-0654)*

26 51 13 00-0695 LED High Bay Fixtures (Lithonia IBL) *(26 51 13 00-0694)*

Note: Includes aluminum alloy chassis.

26 51 13 00-0696	EA	9,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 9L)	557.72	82.75
26 51 13 00-0697	EA	12,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 12L)	612.93	82.75
26 51 13 00-0698	EA	18,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 18L)	762.01	82.75
26 51 13 00-0699	EA	24,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 24L)	821.64	82.75

26 51 13 00-0700 LED High Bay Fixtures (PlanLED) *(26 51 13 00-0694)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0701		**LED High Bay Fixtures (PlanLED LUNA)** *(26 51 13 00-0700)*		
		Note: Includes aluminum alloy chassis.		
26 51 13 00-0702	EA	7,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN70)	514.11	82.75
26 51 13 00-0703	EA	9,800 Lumens, LED High Bay Fixture (PlanLED LUNA LN98)	601.26	82.75
26 51 13 00-0704	EA	13,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN130)	645.36	82.75
26 51 13 00-0705	EA	16,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN160)	695.76	82.75
26 51 13 00-0706		**LED High Bay Fixtures (PlanLED IBL)** *(26 51 13 00-0700)*		
		Note: Includes aluminum alloy chassis.		
26 51 13 00-0707	EA	13,650 Lumens, 130 System Watts, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 130W)	508.86	82.75
		For 347-480 Volt, Add	*42.00*	
26 51 13 00-0708	EA	21,000 Lumens, 200 System Watts, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 200W)	680.01	82.75
		For 347-480 Volt, Add	*51.45*	
26 51 13 00-0709	EA	42,000 Lumens, 400 System Watts, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 400W)	1,187.16	82.75
		For 347-480 Volt, Add	*57.75*	
26 51 13 00-0710		**LED High Bay Fixtures (PlanLED SEGA)** *(26 51 13 00-0700)*		
		Note: Includes aluminum alloy chassis.		
26 51 13 00-0711	EA	10,400 Lumens, 80 System Watts, LED High Bay Fixture (PlanLED SEGA SE080)	440.61	82.75
		For 0 To 10 Volt Dimming, Add	*29.40*	
26 51 13 00-0712	EA	13,000 Lumens, 100 System Watts, LED High Bay Fixture (PlanLED SEGA SE100)	445.86	82.75
		For 0 To 10 Volt Dimming, Add	*29.40*	
26 51 13 00-0713	EA	16,900 Lumens, 130 System Watts, LED High Bay Fixture (PlanLED SEGA SE130)	519.36	82.75
		For 0 To 10 Volt Dimming, Add	*29.40*	
26 51 13 00-0714	EA	20,800 Lumens, 160 System Watts, LED High Bay Fixture (PlanLED SEGA SE160)	591.81	82.75
		For 0 To 10 Volt Dimming, Add	*29.40*	
26 51 13 00-0715	EA	50,000 Lumens, 400 System Watts, Array, LED High Bay Fixture (PlanLED SEGA SE400)	1,280.61	82.75
26 51 13 00-0716	EA	57,040 Lumens, 500 System Watts, Array, LED High Bay Fixture (PlanLED SEGA SE500)	1,280.61	82.75
26 51 13 00-0717	EA	80,000 Lumens, 640 System Watts, Array, LED High Bay Fixture (PlanLED SEGA SE640)	1,898.01	82.75
26 51 13 00-0718		**Ceiling Mounted, Large Interior Area Fixtures** *(26 51 13 00-0635)*		
		Note: Heavy duty aluminum housing, aluminum reflector, acrylic drop dish lens, fully gasketed.		
26 51 13 00-0719		**High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixtures** *(26 51 13 00-0718)*		
26 51 13 00-0720	EA	100 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	317.98	57.03
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 13 00-0721	EA	150 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	363.11	57.03
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 13 00-0722	EA	250 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	413.95	57.03
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 13 00-0723	EA	400 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	552.80	57.03
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 13 00-0724		**Metal Halide, Ceiling Mounted, Large Interior Area Fixtures** *(26 51 13 00-0718)*		
26 51 13 00-0725	EA	100 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	269.05	57.03
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 13 00-0726	EA	175 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	288.75	63.28
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 13 00-0727	EA	250 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	305.98	68.54
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 13 00-0728	EA	400 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	332.32	81.63
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 13 00-0729		**Removal And Reinstallation Of Light Fixtures** *(26 51 13)*		
		Note: Includes disconnection of wire, on-site storage, general cleaning, installation and electrical wire hook-up.		
26 51 13 00-0730	EA	Remove And Reinstall Lay-In Fluorescent Light Fixture	87.65	
26 51 13 00-0731	EA	Remove And Reinstall Surface Mounted Or Pendant Light Fixture	100.17	
26 51 13 00-0732		**Retrofit Existing Fluorescent Fixtures** *(26 51 13)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0733	EA	Convert 1L F96 fixture to operate (2) F32T8 lamps Note: Includes white enameled 8' reflective fixture pan, pre-wired with lampholders and ballast. Excludes lamps.	163.67	
		For Specular Reflector, Add	*21.19*	
		For Retrofit Kit Without Ballast, Deduct	*-61.32*	
26 51 13 00-0734	EA	Convert 2L F96 fixture to operate (4) F32T8 lamps Note: Includes white enameled 8' reflective fixture pan, pre-wired with lampholders and ballast. Excludes lamps.	167.79	
		For Specular Reflector, Add	*21.19*	
		For Retrofit Kit Without Ballast, Deduct	*-61.94*	
26 51 13 00-0735	EA	Convert 1L UFB40 fixture to operate (2) F17T8 lamps Note: Includes white enameled reflective fixture pan, pre-wired with lampholders and ballast. Excludes lamps.	100.42	
		For Specular Reflector, Add	*6.35*	
		For Retrofit Kit Without Ballast, Deduct	*-34.74*	
26 51 13 00-0736	EA	Convert 2L UFB40 fixture to operate (3) F17T8 lamps Note: Includes white enameled reflective fixture pan, pre-wired with lampholders and ballast. Excludes lamps.	103.71	
		For Specular Reflector, Add	*6.35*	
		For Retrofit Kit Without Ballast, Deduct	*-35.24*	

26 52 Emergency Lighting *(26 50)*

26 52 00 00-0001 Commercial Emergency Lights *(26 52)*

26 52 00 00-0002 Polycarbonate Housing, Commercial Emergency Lights *(26 52 00 00-0001)*

Note: Includes lead-calcium batteries and two adjustable lamp heads.

26 52 00 00-0003	EA	3 Max Wattage At 90 Minutes, 3.6 Volt, Polycarbonate Housing, LED Lamps, Commercial Emergency Light (Lithonia ELM2 LED)	133.75	20.58
26 52 00 00-0004	EA	10.8 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM2)	94.83	20.58
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 00 00-0005	EA	18 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM618)	145.76	20.58
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 00 00-0006	EA	27 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM627)	168.82	20.58
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 00 00-0007	EA	54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM654)	248.07	20.58
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 00 00-0008	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1254)	280.24	20.58
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 00 00-0009	EA	72 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1272)	405.57	20.58
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	

26 52 00 00-0010 Remote Heads For Commercial Emergency Lights *(26 52 00 00-0001)*

Note: For use with fixtures that have remote capability.

26 52 00 00-0011	EA	6 Watt, 6 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H0606)	89.94	12.35
26 52 00 00-0012	EA	6 Watt, 6 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0606)	90.52	12.35
26 52 00 00-0013	EA	8 Watt, 8 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0806)	92.46	12.35
26 52 00 00-0014	EA	12 Watt, 12 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H1212)	92.15	12.35
26 52 00 00-0015	EA	12 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H1212)	80.20	12.35
26 52 00 00-0016	EA	12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206)	56.48	12.35

26 52 00 00-0017 Industrial Emergency Lights *(26 52)*

26 52 00 00-0018 Painted Steel Housing, Industrial Emergency Lights *(26 52 00 00-0017)*

26 52 00 00-0019 Painted Steel Housing, Industrial Emergency Lights *(26 52 00 00-0018)*

Note: Includes lead-calcium batteries and two adjustable lamp heads.

26 52 00 00-0020	EA	16 Max Wattage At 90 Minutes, 6 Volt, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT16)	230.57	20.58
		For Wireguard, Add	*113.97*	
26 52 00 00-0021	EA	24 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT24)	194.58	20.58
		For Wireguard, Add	*113.97*	
26 52 00 00-0022	EA	36 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT36)	299.76	20.58
		For Wireguard, Add	*113.97*	
26 52 00 00-0023	EA	50 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT50)	317.91	20.58
		For Wireguard, Add	*113.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 00 00-0024	EA	125 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT125)	451.04	20.58
		For Wireguard, Add	*121.39*	
26 52 00 00-0025	EA	275 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT275)	705.71	20.58
		For Wireguard, Add	*121.39*	

26 52 00 00-0026 Remote Heads For Painted Steel Housing, Industrial Emergency Lights *(26 52 00 00-0018)*

Note: For use with fixtures that have remote capability.

26 52 00 00-0027	EA	8 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N0806)	70.15	12.35
		For Wireguard, Add	*91.98*	
26 52 00 00-0028	EA	12 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206)	72.41	12.35
		For Wireguard, Add	*91.98*	
26 52 00 00-0029	EA	8 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H0812)	70.47	12.35
		For Wireguard, Add	*91.98*	
26 52 00 00-0030	EA	12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1212)	70.84	12.35
		For Wireguard, Add	*91.98*	
26 52 00 00-0031	EA	12 Watt, 25 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N2512)	72.41	12.35
		For Wireguard, Add	*91.98*	
26 52 00 00-0032	EA	12 Watt, 25 Volt, Aluminum Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA MT N2512)	83.89	12.35
		For Wireguard, Add	*91.98*	

26 52 00 00-0033 Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights *(26 52 00 00-0017)*

26 52 00 00-0034 Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights *(26 52 00 00-0033)*

Note: Includes lead-calcium batteries and two adjustable lamp heads.

26 52 00 00-0035	EA	18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND618)	227.67	20.58
		For Wireguard, Add	*110.81*	
		For Self-Diagnostics, Add	*105.50*	
26 52 00 00-0036	EA	36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1236)	246.88	20.58
		For Wireguard, Add	*110.81*	
		For Self-Diagnostics, Add	*105.50*	
26 52 00 00-0037	EA	54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND654)	241.62	20.58
		For Wireguard, Add	*110.81*	
		For Self-Diagnostics, Add	*105.50*	
26 52 00 00-0038	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1254)	255.03	20.58
		For Wireguard, Add	*110.81*	
		For Self-Diagnostics, Add	*105.50*	
26 52 00 00-0039	EA	100 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND12100)	424.99	20.58
		For Wireguard, Add	*110.81*	
		For Self-Diagnostics, Add	*105.50*	
26 52 00 00-0040	EA	18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX618)	335.28	20.58
		For Wireguard, Add	*110.81*	
		For Self-Diagnostics, Add	*61.50*	
26 52 00 00-0041	EA	36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1236)	374.74	20.58
		For Wireguard, Add	*110.81*	
		For Self-Diagnostics, Add	*61.50*	
26 52 00 00-0042	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1254)	394.74	20.58
		For Wireguard, Add	*110.81*	
		For Self-Diagnostics, Add	*61.50*	

26 52 00 00-0043 Remote Heads For Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights *(26 52 00 00-0033)*

Note: For use with fixtures that have remote capability.

26 52 00 00-0044	EA	9 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0906)	61.47	12.35
26 52 00 00-0045	EA	12 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1206)	66.05	12.35
26 52 00 00-0046	EA	9 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0912)	61.52	12.35
26 52 00 00-0047	EA	12 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1212)	64.89	12.35
26 52 00 00-0048	EA	12 Watt, 20 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H2012)	56.24	12.35

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 00 00-0049		**Outdoor Emergency Lights** *(26 52)*		
26 52 00 00-0050		**Gasketed Die-Cast Aluminum Housing, Outdoor Emergency Lights** *(26 52 00 00-0049)*		
		Note: Includes nickel-cadmium batteries.		
26 52 00 00-0051	EA	10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light (Dual-Lite PG Series)	354.48	20.58
26 52 00 00-0052	EA	10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light With Heater (Dual-Lite PG Series)	421.57	20.58
26 52 00 00-0053		**Recessed Emergency Lights** *(26 52)*		
26 52 00 00-0054	EA	10 Watts At 90 Minutes, 6 Volt, Halogen Lamp, 8" Round, Recessed High-Hat Emergency Light (Lithonia ELRG)	385.14	20.58
		For Wire Guard, Add	*60.00*	
26 52 00 00-0055	EA	16 Watts At 90 Minutes, 6 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR2)	313.94	41.14
		Note: Includes lead-calcium batteries and two adjustable lamp heads.		
		For Wireguard, Add	*121.39*	
26 52 00 00-0056	EA	50 Watts At 90 Minutes, 12 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR4)	443.96	41.14
		Note: Includes lead-calcium batteries and two adjustable lamp heads.		
		For Wireguard, Add	*121.39*	
26 52 00 00-0057		**Square Wraparound Emergency Lights** *(26 52)*		
26 52 00 00-0058	EA	10 Watts At 90 Minutes, 6 Volt, Halogen Lamp, 10-5/16" x 10-5/16" Lexan Frame, Square Wraparound Emergency Light (Lithonia ELSQ)	180.07	20.58
26 53		**Exit Signs** *(26 50)*		
		Note: Excludes pendants.		
26 53 00 00-0001		**LED Exit Signs** *(26 53)*		
		Note: Includes red LED lamps.		
26 53 00 00-0002	EA	Single Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM)	113.08	30.08
		For Green LED Lamps, Add	*15.00*	
26 53 00 00-0003	EA	Double Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM)	113.08	30.08
		For Green LED Lamps, Add	*15.00*	
26 53 00 00-0004	EA	Single Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN)	170.87	30.08
		For Green LED Lamps, Add	*15.00*	
		For Self-Diagnostics, Add	*50.00*	
26 53 00 00-0005	EA	Double Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN)	170.87	30.08
		For Green LED Lamps, Add	*15.00*	
		For Self-Diagnostics, Add	*50.00*	
26 53 00 00-0006	EA	Single Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC)	193.57	30.08
		For Green LED Lamps, Add	*15.00*	
26 53 00 00-0007	EA	Double Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC)	213.59	30.08
		For Green LED Lamps, Add	*15.00*	
26 53 00 00-0008	EA	Single Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC ELN)	206.92	30.08
		For Green LED Lamps, Add	*15.00*	
		For Self-Diagnostics, Add	*50.00*	
26 53 00 00-0009	EA	Double Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC ELN)	226.93	30.08
		For Green LED Lamps, Add	*15.00*	
		For Self-Diagnostics, Add	*50.00*	
26 53 00 00-0010	EA	Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM)	203.34	30.08
		Note: Includes two circular side mounted krypton emergency lights.		
		For Green LED Lamps, Add	*15.00*	
26 53 00 00-0011	EA	Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM LED)	291.69	30.08
		Note: Includes two circular side mounted LED emergency lights.		
		For Green LED Lamps, Add	*15.00*	
26 53 00 00-0012	EA	Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM-PH)	249.37	30.08
		Note: Includes two rectangular front mounted high intensity tungsten emergency lights.		
		For Green LED Lamps, Add	*15.00*	
26 53 00 00-0013	EA	Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM)	260.25	30.08
		Note: Includes two circular side mounted PAR 36 emergency lights.		
		For Green LED Lamps, Add	*15.00*	
26 53 00 00-0014		**Edge-Lit LED Exit Signs** *(26 53)*		
		Note: Includes red LED lamps.		
26 53 00 00-0015	EA	Single Face, Edge-Lit LED Exit Sign	228.45	30.08
		For Green LED Lamps, Add	*40.00*	
26 53 00 00-0016	EA	Double Face, Edge-Lit LED Exit Sign	244.28	30.08
		For Green LED Lamps, Add	*40.00*	
26 53 00 00-0017	EA	Single Face, Edge-Lit LED Exit Sign With Battery Back-Up	277.33	30.08
		For Green LED Lamps, Add	*40.00*	
		For Self-Diagnostics, Add	*50.00*	
26 53 00 00-0018	EA	Double Face, Edge-Lit LED Exit Sign With Battery Back-Up	288.99	30.08
		For Green LED Lamps, Add	*40.00*	
		For Self-Diagnostics, Add	*50.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 53 00 00-0019		**Self-Luminous Tritium Exit Signs** *(26 53)* Note: Includes red or green tritium filled pyrex glass light tubes with phosphor coating.		
26 53 00 00-0020	EA	10 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign	306.41	30.08
26 53 00 00-0021	EA	10 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign	552.41	30.08
26 53 00 00-0022	EA	20 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign	362.45	30.08
26 53 00 00-0023	EA	20 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign	597.39	30.08
26 53 00 00-0024	EA	10 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign	334.30	30.08
26 53 00 00-0025	EA	10 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign	597.39	30.08
26 53 00 00-0026	EA	20 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign	407.18	30.08
26 53 00 00-0027	EA	20 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign	738.41	30.08
26 53 00 00-0028		**Vandal-Resistant LED Exit Signs** *(26 53)* Note: Includes red LED lamps.		
26 53 00 00-0029	EA	Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign	289.84	30.08
26 53 00 00-0030	EA	Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup	442.17	30.08
26 53 00 00-0031	EA	Single Face, Aluminum Housing, NEMA 4X, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup	535.57	30.08
26 53 00 00-0032		**Remove And Reinstall Exit Light Fixture** *(26 53)*		
26 53 00 00-0033	EA	Removal And Reinstall Of Exit Light Fixtures Note: Includes storage and cleaning.	61.72	
26 53 00 00-0034		**Exit Sign Accessories** *(26 53)*		
26 53 00 00-0035	EA	Polycarbonate Vandal Shield For Exit Signs	69.09	8.24
26 53 00 00-0036	EA	Wire Guard For Exit Signs	74.93	8.24
26 53 00 00-0037	EA	Replacement Battery For Exit Signs	70.01	10.30

26 55 Special Purpose Lighting *(26 50)*

26 55 61 Theatrical Lighting *(26 55)*

26 55 61 00-0001		**Stage Lighting** *(26 55 61)*		
26 55 61 00-0002	EA	Ellipsoidal Spotlight, Two 6" x 9" Lenses Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20A, 3W ground, male pin connector and high performance lamp.	377.70	100.06
26 55 61 00-0003	EA	Ellipsoidal Spotlight, Two 6" x 12" Lenses Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20A, 3W ground, male pin connector and high performance lamp.	377.70	100.06
26 55 61 00-0004	EA	Ellipsoidal Spotlight, Two 6" x 16" Lenses Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20A, 3W ground, male pin connector and high performance lamp.	377.70	100.06
26 55 61 00-0005	EA	14" Scoop Floodlight Altman #SC14	371.33	100.06
26 55 61 00-0006	EA	6" Diameter Fresnel Spotlight, Spherical Specular Alzak Note: Reflector, heat resistant fresnel lens, slidefocus flood to spot, complete with yoke, c-clamp, safety cable, color frame, male pin connector and lamp.	269.39	100.06
26 55 61 00-0007	EA	8" Diameter Fresnel Spotlight, Spherical Specular Alzak Note: Reflector, heat resistant fresnel lens, slidefocus flood to spot, complete with yoke, C-clamp, safety cable, color frame, male pin connector and lamp.	426.54	100.06
26 55 61 00-0008	EA	Follow Spotlight With Steel Chassis And Lightweight Note: Aluminum housing, includes lamp adjustment plate, silent lamp fan, dowser, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand.	1,169.81	100.06
26 55 61 00-0009	EA	Follow Spotlight With Steel Chassis And Lightweight Note: Aluminum housing, includes lamp adjustment plate, ballast, electronic power supply, stepdown transformer, silent lamp fan, dowser, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand.	1,530.82	100.06
26 55 61 00-0010	EA	PAR 64 Can Lighting With 20 Gauge Sheet Steel Note: Formed lamp housing, hinged and latched rear housing secured by retention ring, safety cable, safety screen, PAR 64 lamp, male pin connector.	251.38	100.06
26 55 61 00-0011	EA	6' Long Borderlight Sections Note: With continuous sheet steel housing, supported by 1-1/2" x 3/16" steel yoke with C-clamp, includes 30 lights per section wired on 3 circuits, alzak aluminum reflector with matte finish.	699.51	100.06

26 56 Exterior Lighting *(26 50)*

26 56 13 Lighting Poles And Standards *(26 56)*

26 56 13 00-0001		**Poles And Standards** *(26 56 13)* See CSI section 26 05 46 00-0000 for additional poles, 26 05 46 00-0001 for additional pole, 26 56 19 00-0000 for street light fixtures.		
26 56 13 00-0002		**Roadway Light Poles** *(26 56 13 00-0001)*		
26 56 13 00-0003		**Steel Roadway Light Poles** *(26 56 13 00-0002)* Note: Includes prime painted finish, anchor bolts, steel base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).		
26 56 13 00-0004		**Round Tapered, Steel Roadway Light Poles** *(26 56 13 00-0003)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0005		Round Tapered, Steel Roadway Light Poles With Upsweep Style Arms *(26 56 13 00-0004)*		
26 56 13 00-0006		Round Tapered, Steel Roadway Light Poles With Single Upsweep Style Arm *(26 56 13 00-0005)*		
26 56 13 00-0007	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	2,811.02	278.18
		For Galvanized Finish, Add	*67.64*	
		For >10 To 20, Deduct	*-70.28*	
		For >20 To 40, Deduct	*-140.55*	
		For >40, Deduct	*-224.74*	
26 56 13 00-0008	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	2,816.58	278.18
		For Galvanized Finish, Add	*67.81*	
		For >10 To 20, Deduct	*-70.41*	
		For >20 To 40, Deduct	*-140.83*	
		For >40, Deduct	*-225.15*	
26 56 13 00-0009	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,035.05	370.90
		For Galvanized Finish, Add	*68.80*	
		For >10 To 20, Deduct	*-75.88*	
		For >20 To 40, Deduct	*-151.75*	
		For >40, Deduct	*-246.17*	
26 56 13 00-0010	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,102.06	370.90
		For Galvanized Finish, Add	*70.81*	
		For >10 To 20, Deduct	*-77.55*	
		For >20 To 40, Deduct	*-155.10*	
		For >40, Deduct	*-251.20*	
26 56 13 00-0011	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,169.06	370.90
		For Galvanized Finish, Add	*72.82*	
		For >10 To 20, Deduct	*-79.23*	
		For >20 To 40, Deduct	*-158.45*	
		For >40, Deduct	*-256.22*	
26 56 13 00-0012	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,275.91	417.27
		For Galvanized Finish, Add	*73.24*	
		For >10 To 20, Deduct	*-81.90*	
		For >20 To 40, Deduct	*-163.80*	
		For >40, Deduct	*-266.56*	
26 56 13 00-0013	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,307.68	417.27
		For Galvanized Finish, Add	*74.19*	
		For >10 To 20, Deduct	*-82.69*	
		For >20 To 40, Deduct	*-165.38*	
		For >40, Deduct	*-268.94*	
26 56 13 00-0014	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,313.73	417.27
		For Galvanized Finish, Add	*74.38*	
		For >10 To 20, Deduct	*-82.84*	
		For >20 To 40, Deduct	*-165.69*	
		For >40, Deduct	*-269.39*	
26 56 13 00-0015	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,472.89	440.44
		For Galvanized Finish, Add	*77.76*	
		For >10 To 20, Deduct	*-86.82*	
		For >20 To 40, Deduct	*-173.64*	
		For >40, Deduct	*-282.49*	
26 56 13 00-0016	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,496.89	440.44
		For Galvanized Finish, Add	*78.48*	
		For >10 To 20, Deduct	*-87.42*	
		For >20 To 40, Deduct	*-174.84*	
		For >40, Deduct	*-284.29*	
26 56 13 00-0017	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,523.10	440.44
		For Galvanized Finish, Add	*79.27*	
		For >10 To 20, Deduct	*-88.08*	
		For >20 To 40, Deduct	*-176.16*	
		For >40, Deduct	*-286.25*	
26 56 13 00-0018	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	4,038.90	463.63
		For Galvanized Finish, Add	*93.35*	
		For >10 To 20, Deduct	*-100.97*	
		For >20 To 40, Deduct	*-201.95*	
		For >40, Deduct	*-326.10*	
26 56 13 00-0019	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	4,047.44	463.63
		For Galvanized Finish, Add	*93.61*	
		For >10 To 20, Deduct	*-101.19*	
		For >20 To 40, Deduct	*-202.37*	
		For >40, Deduct	*-326.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0020	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	4,055.89	463.63
		For Galvanized Finish, Add	*93.86*	
		For >10 To 20, Deduct	*-101.40*	
		For >20 To 40, Deduct	*-202.79*	
		For >40, Deduct	*-327.37*	
26 56 13 00-0021		**Round Tapered, Steel Roadway Light Poles With Two Upsweep Style Arms** *(26 56 13 00-0005)*		
26 56 13 00-0022	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,511.90	324.54
		For Galvanized Finish, Add	*85.88*	
		For >10 To 20, Deduct	*-87.80*	
		For >20 To 40, Deduct	*-175.60*	
		For >40, Deduct	*-279.62*	
26 56 13 00-0023	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,570.88	336.13
		For Galvanized Finish, Add	*86.96*	
		For >10 To 20, Deduct	*-89.27*	
		For >20 To 40, Deduct	*-178.54*	
		For >40, Deduct	*-284.62*	
26 56 13 00-0024	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,621.04	347.72
		For Galvanized Finish, Add	*87.77*	
		For >10 To 20, Deduct	*-90.53*	
		For >20 To 40, Deduct	*-181.05*	
		For >40, Deduct	*-288.96*	
26 56 13 00-0025	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,465.22	417.27
		For Galvanized Finish, Add	*78.92*	
		For >10 To 20, Deduct	*-86.63*	
		For >20 To 40, Deduct	*-173.26*	
		For >40, Deduct	*-280.75*	
26 56 13 00-0026	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,502.61	428.85
		For Galvanized Finish, Add	*79.35*	
		For >10 To 20, Deduct	*-87.57*	
		For >20 To 40, Deduct	*-175.13*	
		For >40, Deduct	*-284.14*	
26 56 13 00-0027	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,531.55	440.44
		For Galvanized Finish, Add	*79.52*	
		For >10 To 20, Deduct	*-88.29*	
		For >20 To 40, Deduct	*-176.58*	
		For >40, Deduct	*-286.89*	
26 56 13 00-0028	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,733.43	463.63
		For Galvanized Finish, Add	*84.19*	
		For >10 To 20, Deduct	*-93.34*	
		For >20 To 40, Deduct	*-186.67*	
		For >40, Deduct	*-303.19*	
26 56 13 00-0029	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,765.26	475.21
		For Galvanized Finish, Add	*84.44*	
		For >10 To 20, Deduct	*-94.13*	
		For >20 To 40, Deduct	*-188.26*	
		For >40, Deduct	*-306.16*	
26 56 13 00-0030	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,793.90	486.81
		For Galvanized Finish, Add	*84.61*	
		For >10 To 20, Deduct	*-94.85*	
		For >20 To 40, Deduct	*-189.70*	
		For >40, Deduct	*-308.88*	
26 56 13 00-0031	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,963.63	486.81
		For Galvanized Finish, Add	*89.70*	
		For >10 To 20, Deduct	*-99.09*	
		For >20 To 40, Deduct	*-198.18*	
		For >40, Deduct	*-321.61*	
26 56 13 00-0032	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,023.97	498.40
		For Galvanized Finish, Add	*90.82*	
		For >10 To 20, Deduct	*-100.60*	
		For >20 To 40, Deduct	*-201.20*	
		For >40, Deduct	*-326.72*	
26 56 13 00-0033	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,082.38	509.99
		For Galvanized Finish, Add	*91.87*	
		For >10 To 20, Deduct	*-102.06*	
		For >20 To 40, Deduct	*-204.12*	
		For >40, Deduct	*-331.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0034	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,496.62	509.99
		For Galvanized Finish, Add	*104.30*	
		For >10 To 20, Deduct	*-112.42*	
		For >20 To 40, Deduct	*-224.83*	
		For >40, Deduct	*-362.75*	
26 56 13 00-0035	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,525.37	521.58
		For Galvanized Finish, Add	*104.47*	
		For >10 To 20, Deduct	*-113.13*	
		For >20 To 40, Deduct	*-226.27*	
		For >40, Deduct	*-365.48*	
26 56 13 00-0036	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,554.31	533.17
		For Galvanized Finish, Add	*104.64*	
		For >10 To 20, Deduct	*-113.86*	
		For >20 To 40, Deduct	*-227.72*	
		For >40, Deduct	*-368.23*	

26 56 13 00-0037 Round Tapered, Steel Roadway Light Poles With Three Upsweep Style Arms *(26 56 13 00-0005)*

26 56 13 00-0038	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,084.21	463.63
		For Galvanized Finish, Add	*94.71*	
		For >10 To 20, Deduct	*-102.11*	
		For >20 To 40, Deduct	*-204.21*	
		For >40, Deduct	*-329.50*	
26 56 13 00-0039	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,136.23	486.81
		For Galvanized Finish, Add	*94.88*	
		For >10 To 20, Deduct	*-103.41*	
		For >20 To 40, Deduct	*-206.81*	
		For >40, Deduct	*-334.56*	
26 56 13 00-0040	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	4,196.72	509.99
		For Galvanized Finish, Add	*95.30*	
		For >10 To 20, Deduct	*-104.92*	
		For >20 To 40, Deduct	*-209.84*	
		For >40, Deduct	*-340.25*	
26 56 13 00-0041	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,318.44	509.99
		For Galvanized Finish, Add	*98.95*	
		For >10 To 20, Deduct	*-107.96*	
		For >20 To 40, Deduct	*-215.92*	
		For >40, Deduct	*-349.38*	
26 56 13 00-0042	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,373.16	533.17
		For Galvanized Finish, Add	*99.20*	
		For >10 To 20, Deduct	*-109.33*	
		For >20 To 40, Deduct	*-218.66*	
		For >40, Deduct	*-354.65*	
26 56 13 00-0043	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	4,425.18	556.36
		For Galvanized Finish, Add	*99.37*	
		For >10 To 20, Deduct	*-110.63*	
		For >20 To 40, Deduct	*-221.26*	
		For >40, Deduct	*-359.71*	
26 56 13 00-0044	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,596.55	533.17
		For Galvanized Finish, Add	*105.91*	
		For >10 To 20, Deduct	*-114.91*	
		For >20 To 40, Deduct	*-229.83*	
		For >40, Deduct	*-371.40*	
26 56 13 00-0045	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,648.57	556.36
		For Galvanized Finish, Add	*106.08*	
		For >10 To 20, Deduct	*-116.21*	
		For >20 To 40, Deduct	*-232.43*	
		For >40, Deduct	*-376.46*	
26 56 13 00-0046	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	4,700.61	579.53
		For Galvanized Finish, Add	*106.25*	
		For >10 To 20, Deduct	*-117.52*	
		For >20 To 40, Deduct	*-235.03*	
		For >40, Deduct	*-381.52*	
26 56 13 00-0047	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,954.33	556.36
		For Galvanized Finish, Add	*115.25*	
		For >10 To 20, Deduct	*-123.86*	
		For >20 To 40, Deduct	*-247.72*	
		For >40, Deduct	*-399.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0048	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,006.08	579.53
		For Galvanized Finish, Add	*115.41*	
		For >10 To 20, Deduct	*-125.15*	
		For >20 To 40, Deduct	*-250.30*	
		For >40, Deduct	*-404.43*	
26 56 13 00-0049	EA	40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	5,063.77	602.72
		For Galvanized Finish, Add	*115.75*	
		For >10 To 20, Deduct	*-126.59*	
		For >20 To 40, Deduct	*-253.19*	
		For >40, Deduct	*-409.92*	

26 56 13 00-0050 Round Tapered, Steel Roadway Light Poles With Four Upsweep Style Arms *(26 56 13 00-0005)*

26 56 13 00-0051	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	4,544.72	509.99
		For Galvanized Finish, Add	*105.74*	
		For >10 To 20, Deduct	*-113.62*	
		For >20 To 40, Deduct	*-227.24*	
		For >40, Deduct	*-366.35*	
26 56 13 00-0052	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	4,622.71	544.76
		For Galvanized Finish, Add	*106.00*	
		For >10 To 20, Deduct	*-115.57*	
		For >20 To 40, Deduct	*-231.14*	
		For >40, Deduct	*-373.94*	
26 56 13 00-0053	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	4,697.82	579.53
		For Galvanized Finish, Add	*106.16*	
		For >10 To 20, Deduct	*-117.45*	
		For >20 To 40, Deduct	*-234.89*	
		For >40, Deduct	*-381.31*	
26 56 13 00-0054	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	4,813.60	556.36
		For Galvanized Finish, Add	*111.03*	
		For >10 To 20, Deduct	*-120.34*	
		For >20 To 40, Deduct	*-240.68*	
		For >40, Deduct	*-388.84*	
26 56 13 00-0055	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	4,889.10	591.13
		For Galvanized Finish, Add	*111.21*	
		For >10 To 20, Deduct	*-122.23*	
		For >20 To 40, Deduct	*-244.46*	
		For >40, Deduct	*-396.24*	
26 56 13 00-0056	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	4,931.95	625.90
		For Galvanized Finish, Add	*110.40*	
		For >10 To 20, Deduct	*-123.30*	
		For >20 To 40, Deduct	*-246.60*	
		For >40, Deduct	*-401.19*	
26 56 13 00-0057	EA	35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,181.47	579.53
		For Galvanized Finish, Add	*120.67*	
		For >10 To 20, Deduct	*-129.54*	
		For >20 To 40, Deduct	*-259.07*	
		For >40, Deduct	*-417.59*	
26 56 13 00-0058	EA	35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,295.18	614.30
		For Galvanized Finish, Add	*122.00*	
		For >10 To 20, Deduct	*-132.38*	
		For >20 To 40, Deduct	*-264.76*	
		For >40, Deduct	*-427.85*	
26 56 13 00-0059	EA	35' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	5,334.86	649.08
		For Galvanized Finish, Add	*121.10*	
		For >10 To 20, Deduct	*-133.37*	
		For >20 To 40, Deduct	*-266.74*	
		For >40, Deduct	*-432.57*	
26 56 13 00-0060	EA	40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,411.77	602.72
		For Galvanized Finish, Add	*126.19*	
		For >10 To 20, Deduct	*-135.29*	
		For >20 To 40, Deduct	*-270.59*	
		For >40, Deduct	*-436.02*	
26 56 13 00-0061	EA	40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,486.88	637.49
		For Galvanized Finish, Add	*126.36*	
		For >10 To 20, Deduct	*-137.17*	
		For >20 To 40, Deduct	*-274.34*	
		For >40, Deduct	*-443.39*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 56 13 00-0062	EA	40' High, 10.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	5,564.87	672.26
			For Galvanized Finish, Add	*126.61*	
			For >10 To 20, Deduct	*-139.12*	
			For >20 To 40, Deduct	*-278.24*	
			For >40, Deduct	*-450.98*	
	26 56 13 00-0063		Round Tapered, Steel Roadway Light Poles With Davit Style Arm *(26 56 13 00-0004)*		
	26 56 13 00-0064		Round Tapered, Steel Roadway Light Poles With Single Davit Style Arm *(26 56 13 00-0063)*		
	26 56 13 00-0065	EA	25' High, 6.4" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	3,242.41	370.90
			For Galvanized Finish, Add	*75.02*	
			For >10 To 20, Deduct	*-81.06*	
			For >20 To 40, Deduct	*-162.12*	
			For >40, Deduct	*-261.73*	
	26 56 13 00-0066	EA	30' High, 7.1" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	3,670.27	417.27
			For Galvanized Finish, Add	*85.07*	
			For >10 To 20, Deduct	*-91.76*	
			For >20 To 40, Deduct	*-183.51*	
			For >40, Deduct	*-296.13*	
	26 56 13 00-0067	EA	35' High, 7.8" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	3,763.29	440.44
			For Galvanized Finish, Add	*86.47*	
			For >10 To 20, Deduct	*-94.08*	
			For >20 To 40, Deduct	*-188.16*	
			For >40, Deduct	*-304.27*	
	26 56 13 00-0068	EA	40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	4,525.43	463.63
			For Galvanized Finish, Add	*107.95*	
			For >10 To 20, Deduct	*-113.14*	
			For >20 To 40, Deduct	*-226.27*	
			For >40, Deduct	*-362.59*	
	26 56 13 00-0069		Round Tapered, Steel Roadway Light Poles With Truss Style Arms *(26 56 13 00-0004)*		
	26 56 13 00-0070		Round Tapered, Steel Roadway Light Poles With Single Truss Style Arm *(26 56 13 00-0069)*		
	26 56 13 00-0071	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,243.40	370.90
			For Galvanized Finish, Add	*105.05*	
			For >10 To 20, Deduct	*-106.09*	
			For >20 To 40, Deduct	*-212.17*	
			For >40, Deduct	*-336.80*	
	26 56 13 00-0072	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,286.31	370.90
			For Galvanized Finish, Add	*106.34*	
			For >10 To 20, Deduct	*-107.16*	
			For >20 To 40, Deduct	*-214.32*	
			For >40, Deduct	*-340.02*	
	26 56 13 00-0073	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,305.90	370.90
			For Galvanized Finish, Add	*106.92*	
			For >10 To 20, Deduct	*-107.65*	
			For >20 To 40, Deduct	*-215.30*	
			For >40, Deduct	*-341.49*	
	26 56 13 00-0074	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,379.04	417.27
			For Galvanized Finish, Add	*106.34*	
			For >10 To 20, Deduct	*-109.48*	
			For >20 To 40, Deduct	*-218.95*	
			For >40, Deduct	*-349.29*	
	26 56 13 00-0075	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,386.53	417.27
			For Galvanized Finish, Add	*106.56*	
			For >10 To 20, Deduct	*-109.66*	
			For >20 To 40, Deduct	*-219.33*	
			For >40, Deduct	*-349.85*	
	26 56 13 00-0076	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,463.91	417.27
			For Galvanized Finish, Add	*108.88*	
			For >10 To 20, Deduct	*-111.60*	
			For >20 To 40, Deduct	*-223.20*	
			For >40, Deduct	*-355.66*	
	26 56 13 00-0077	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,450.84	440.44
			For Galvanized Finish, Add	*107.10*	
			For >10 To 20, Deduct	*-111.27*	
			For >20 To 40, Deduct	*-222.54*	
			For >40, Deduct	*-355.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0078	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,496.15	440.44
		For Galvanized Finish, Add	*108.46*	
		For >10 To 20, Deduct	*-112.40*	
		For >20 To 40, Deduct	*-224.81*	
		For >40, Deduct	*-359.23*	
26 56 13 00-0079	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,733.75	440.44
		For Galvanized Finish, Add	*115.59*	
		For >10 To 20, Deduct	*-118.34*	
		For >20 To 40, Deduct	*-236.69*	
		For >40, Deduct	*-377.05*	

26 56 13 00-0080 Round Tapered, Steel Roadway Light Poles With Two Truss Style Arms *(26 56 13 00-0069)*

26 56 13 00-0081	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,570.48	463.63
		For Galvanized Finish, Add	*139.30*	
		For >10 To 20, Deduct	*-139.26*	
		For >20 To 40, Deduct	*-278.52*	
		For >40, Deduct	*-440.97*	
26 56 13 00-0082	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,657.93	486.81
		For Galvanized Finish, Add	*140.53*	
		For >10 To 20, Deduct	*-141.45*	
		For >20 To 40, Deduct	*-282.90*	
		For >40, Deduct	*-448.69*	
26 56 13 00-0083	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	5,865.58	509.99
		For Galvanized Finish, Add	*145.37*	
		For >10 To 20, Deduct	*-146.64*	
		For >20 To 40, Deduct	*-293.28*	
		For >40, Deduct	*-465.42*	
26 56 13 00-0084	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,639.40	509.99
		For Galvanized Finish, Add	*138.58*	
		For >10 To 20, Deduct	*-140.99*	
		For >20 To 40, Deduct	*-281.97*	
		For >40, Deduct	*-448.45*	
26 56 13 00-0085	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,898.02	533.17
		For Galvanized Finish, Add	*144.95*	
		For >10 To 20, Deduct	*-147.45*	
		For >20 To 40, Deduct	*-294.90*	
		For >40, Deduct	*-469.01*	
26 56 13 00-0086	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	6,048.83	556.36
		For Galvanized Finish, Add	*148.08*	
		For >10 To 20, Deduct	*-151.22*	
		For >20 To 40, Deduct	*-302.44*	
		For >40, Deduct	*-481.48*	
26 56 13 00-0087	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,804.32	533.17
		For Galvanized Finish, Add	*142.14*	
		For >10 To 20, Deduct	*-145.11*	
		For >20 To 40, Deduct	*-290.22*	
		For >40, Deduct	*-461.98*	
26 56 13 00-0088	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	6,153.47	556.36
		For Galvanized Finish, Add	*151.22*	
		For >10 To 20, Deduct	*-153.84*	
		For >20 To 40, Deduct	*-307.67*	
		For >40, Deduct	*-489.33*	
26 56 13 00-0089	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	6,355.36	579.53
		For Galvanized Finish, Add	*155.89*	
		For >10 To 20, Deduct	*-158.88*	
		For >20 To 40, Deduct	*-317.77*	
		For >40, Deduct	*-505.63*	

26 56 13 00-0090 Aluminum Roadway Light Poles *(26 56 13 00-0002)*

Note: Includes satin finish, anchor bolts, cast aluminum base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).

26 56 13 00-0091 Round Tapered, Aluminum Roadway Light Poles *(26 56 13 00-0090)*

26 56 13 00-0092 Round Tapered, Aluminum Roadway Light Poles With Upsweep Style Arms *(26 56 13 00-0091)*

26 56 13 00-0093 Round Tapered, Aluminum Roadway Light Poles With Single Upsweep Style Arm *(26 56 13 00-0092)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0094	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	2,491.34	278.18
		For >10 To 20, Deduct	*-62.28*	
		For >20 To 40, Deduct	*-124.57*	
		For >40, Deduct	*-200.76*	
26 56 13 00-0095	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	2,514.76	278.18
		For >10 To 20, Deduct	*-62.87*	
		For >20 To 40, Deduct	*-125.74*	
		For >40, Deduct	*-202.52*	
26 56 13 00-0096	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,030.34	370.90
		For >10 To 20, Deduct	*-75.76*	
		For >20 To 40, Deduct	*-151.52*	
		For >40, Deduct	*-245.82*	
26 56 13 00-0097	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,074.60	370.90
		For >10 To 20, Deduct	*-76.87*	
		For >20 To 40, Deduct	*-153.73*	
		For >40, Deduct	*-249.14*	
26 56 13 00-0098	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,115.30	370.90
		For >10 To 20, Deduct	*-77.88*	
		For >20 To 40, Deduct	*-155.77*	
		For >40, Deduct	*-252.19*	
26 56 13 00-0099	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,485.19	417.27
		For >10 To 20, Deduct	*-87.13*	
		For >20 To 40, Deduct	*-174.26*	
		For >40, Deduct	*-282.25*	
26 56 13 00-0100	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,522.53	417.27
		For >10 To 20, Deduct	*-88.06*	
		For >20 To 40, Deduct	*-176.13*	
		For >40, Deduct	*-285.05*	
26 56 13 00-0101	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,564.29	417.27
		For >10 To 20, Deduct	*-89.11*	
		For >20 To 40, Deduct	*-178.21*	
		For >40, Deduct	*-288.19*	
26 56 13 00-0102	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	4,122.33	440.44
		For >10 To 20, Deduct	*-103.06*	
		For >20 To 40, Deduct	*-206.12*	
		For >40, Deduct	*-331.20*	
26 56 13 00-0103	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	4,159.58	440.44
		For >10 To 20, Deduct	*-103.99*	
		For >20 To 40, Deduct	*-207.98*	
		For >40, Deduct	*-333.99*	
26 56 13 00-0104	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	4,190.78	440.44
		For >10 To 20, Deduct	*-104.77*	
		For >20 To 40, Deduct	*-209.54*	
		For >40, Deduct	*-336.33*	

26 56 13 00-0105 Round Tapered, Aluminum Roadway Light Poles With Two Upsweep Style Arms *(26 56 13 00-0092)*

26 56 13 00-0106	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	2,849.98	324.54
		For >10 To 20, Deduct	*-71.25*	
		For >20 To 40, Deduct	*-142.50*	
		For >40, Deduct	*-229.98*	
26 56 13 00-0107	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,079.51	324.54
		For >10 To 20, Deduct	*-76.99*	
		For >20 To 40, Deduct	*-153.98*	
		For >40, Deduct	*-247.19*	
26 56 13 00-0108	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,170.61	347.72
		For >10 To 20, Deduct	*-79.27*	
		For >20 To 40, Deduct	*-158.53*	
		For >40, Deduct	*-255.18*	
26 56 13 00-0109	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,376.42	417.27
		For >10 To 20, Deduct	*-84.41*	
		For >20 To 40, Deduct	*-168.82*	
		For >40, Deduct	*-274.09*	
26 56 13 00-0110	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,545.71	428.85
		For >10 To 20, Deduct	*-88.64*	
		For >20 To 40, Deduct	*-177.29*	
		For >40, Deduct	*-287.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0111	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,794.01	440.44
		For >10 To 20, Deduct	*-94.85*	
		For >20 To 40, Deduct	*-189.70*	
		For >40, Deduct	*-306.57*	
26 56 13 00-0112	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,911.70	463.63
		For >10 To 20, Deduct	*-97.79*	
		For >20 To 40, Deduct	*-195.59*	
		For >40, Deduct	*-316.56*	
26 56 13 00-0113	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,070.44	475.21
		For >10 To 20, Deduct	*-101.76*	
		For >20 To 40, Deduct	*-203.52*	
		For >40, Deduct	*-329.04*	
26 56 13 00-0114	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,266.22	486.81
		For >10 To 20, Deduct	*-106.66*	
		For >20 To 40, Deduct	*-213.31*	
		For >40, Deduct	*-344.31*	
26 56 13 00-0115	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,469.26	486.81
		For >10 To 20, Deduct	*-111.73*	
		For >20 To 40, Deduct	*-223.46*	
		For >40, Deduct	*-359.53*	
26 56 13 00-0116	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,915.04	498.40
		For >10 To 20, Deduct	*-122.88*	
		For >20 To 40, Deduct	*-245.75*	
		For >40, Deduct	*-393.55*	
26 56 13 00-0117	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	5,435.02	509.99
		For >10 To 20, Deduct	*-135.88*	
		For >20 To 40, Deduct	*-271.75*	
		For >40, Deduct	*-433.13*	

26 56 13 00-0118 Round Tapered, Aluminum Roadway Light Poles With Three Upsweep Style Arms *(26 56 13 00-0092)*

26 56 13 00-0119	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	3,312.20	370.90
		For >10 To 20, Deduct	*-82.81*	
		For >20 To 40, Deduct	*-165.61*	
		For >40, Deduct	*-266.96*	
26 56 13 00-0120	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	3,544.22	394.08
		For >10 To 20, Deduct	*-88.61*	
		For >20 To 40, Deduct	*-177.21*	
		For >40, Deduct	*-285.52*	
26 56 13 00-0121	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,017.39	463.63
		For >10 To 20, Deduct	*-100.43*	
		For >20 To 40, Deduct	*-200.87*	
		For >40, Deduct	*-324.49*	
26 56 13 00-0122	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,186.54	486.81
		For >10 To 20, Deduct	*-104.66*	
		For >20 To 40, Deduct	*-209.33*	
		For >40, Deduct	*-338.33*	
26 56 13 00-0123	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,384.30	509.99
		For >10 To 20, Deduct	*-109.61*	
		For >20 To 40, Deduct	*-219.22*	
		For >40, Deduct	*-354.32*	
26 56 13 00-0124	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,536.36	533.17
		For >10 To 20, Deduct	*-113.41*	
		For >20 To 40, Deduct	*-226.82*	
		For >40, Deduct	*-366.89*	
26 56 13 00-0125	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,756.20	533.17
		For >10 To 20, Deduct	*-118.91*	
		For >20 To 40, Deduct	*-237.81*	
		For >40, Deduct	*-383.37*	
26 56 13 00-0126	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,192.70	556.36
		For >10 To 20, Deduct	*-129.82*	
		For >20 To 40, Deduct	*-259.64*	
		For >40, Deduct	*-417.27*	
26 56 13 00-0127	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	5,996.34	579.53
		For >10 To 20, Deduct	*-149.91*	
		For >20 To 40, Deduct	*-299.82*	
		For >40, Deduct	*-478.70*	

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CSI	UOM	MINOR DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0128		Round Tapered, Aluminum Roadway Light Poles With Four Upsweep Style Arms *(26 56 13 00-0092)*		
26 56 13 00-0129	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	3,404.35	417.27
		For >10 To 20, Deduct	*-85.11*	
		For >20 To 40, Deduct	*-170.22*	
		For >40, Deduct	*-276.19*	
26 56 13 00-0130	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	3,544.90	417.27
		For >10 To 20, Deduct	*-88.62*	
		For >20 To 40, Deduct	*-177.25*	
		For >40, Deduct	*-286.73*	
26 56 13 00-0131	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	4,393.04	509.99
		For >10 To 20, Deduct	*-109.83*	
		For >20 To 40, Deduct	*-219.65*	
		For >40, Deduct	*-354.98*	
26 56 13 00-0132	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	4,762.20	544.76
		For >10 To 20, Deduct	*-119.06*	
		For >20 To 40, Deduct	*-238.11*	
		For >40, Deduct	*-384.40*	
26 56 13 00-0133	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	4,976.80	556.36
		For >10 To 20, Deduct	*-124.42*	
		For >20 To 40, Deduct	*-248.84*	
		For >40, Deduct	*-401.08*	
26 56 13 00-0134	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,314.86	591.13
		For >10 To 20, Deduct	*-132.87*	
		For >20 To 40, Deduct	*-265.74*	
		For >40, Deduct	*-428.17*	
26 56 13 00-0135	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,245.98	579.53
		For >10 To 20, Deduct	*-131.15*	
		For >20 To 40, Deduct	*-262.30*	
		For >40, Deduct	*-422.43*	
26 56 13 00-0136	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	6,003.56	614.30
		For >10 To 20, Deduct	*-150.09*	
		For >20 To 40, Deduct	*-300.18*	
		For >40, Deduct	*-480.98*	
26 56 13 00-0137	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	6,670.03	649.08
		For >10 To 20, Deduct	*-166.75*	
		For >20 To 40, Deduct	*-333.50*	
		For >40, Deduct	*-532.71*	
26 56 13 00-0138		Round Tapered, Aluminum Roadway Light Poles With Truss Style Arms *(26 56 13 00-0091)*		
26 56 13 00-0139		Round Tapered, Aluminum Roadway Light Poles With Single Truss Style Arm *(26 56 13 00-0138)*		
26 56 13 00-0140	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base	3,680.65	370.90
		For >10 To 20, Deduct	*-92.02*	
		For >20 To 40, Deduct	*-184.03*	
		For >40, Deduct	*-294.59*	
26 56 13 00-0141	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	3,711.94	370.90
		For >10 To 20, Deduct	*-92.80*	
		For >20 To 40, Deduct	*-185.60*	
		For >40, Deduct	*-296.94*	
26 56 13 00-0142	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	3,791.91	370.90
		For >10 To 20, Deduct	*-94.80*	
		For >20 To 40, Deduct	*-189.60*	
		For >40, Deduct	*-302.94*	
26 56 13 00-0143	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	3,911.91	370.90
		For >10 To 20, Deduct	*-97.80*	
		For >20 To 40, Deduct	*-195.60*	
		For >40, Deduct	*-311.94*	
26 56 13 00-0144	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base	4,144.42	417.27
		For >10 To 20, Deduct	*-103.61*	
		For >20 To 40, Deduct	*-207.22*	
		For >40, Deduct	*-331.69*	
26 56 13 00-0145	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,214.98	417.27
		For >10 To 20, Deduct	*-105.37*	
		For >20 To 40, Deduct	*-210.75*	
		For >40, Deduct	*-336.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0146	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,290.24	417.27
		For >10 To 20, Deduct	*-107.26*	
		For >20 To 40, Deduct	*-214.51*	
		For >40, Deduct	*-342.63*	
26 56 13 00-0147	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,744.23	417.27
		For >10 To 20, Deduct	*-118.61*	
		For >20 To 40, Deduct	*-237.21*	
		For >40, Deduct	*-376.68*	
26 56 13 00-0148	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base	4,513.63	440.44
		For >10 To 20, Deduct	*-112.84*	
		For >20 To 40, Deduct	*-225.68*	
		For >40, Deduct	*-360.54*	
26 56 13 00-0149	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	5,096.15	440.44
		For >10 To 20, Deduct	*-127.40*	
		For >20 To 40, Deduct	*-254.81*	
		For >40, Deduct	*-404.23*	
26 56 13 00-0150	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	5,152.89	440.44
		For >10 To 20, Deduct	*-128.82*	
		For >20 To 40, Deduct	*-257.64*	
		For >40, Deduct	*-408.49*	
26 56 13 00-0151	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	5,513.08	440.44
		For >10 To 20, Deduct	*-137.83*	
		For >20 To 40, Deduct	*-275.65*	
		For >40, Deduct	*-435.50*	
26 56 13 00-0152	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	5,841.59	440.44
		For >10 To 20, Deduct	*-146.04*	
		For >20 To 40, Deduct	*-292.08*	
		For >40, Deduct	*-460.14*	

26 56 13 00-0153 Round Tapered, Aluminum Roadway Light Poles With Two Truss Style Arms *(26 56 13 00-0138)*

26 56 13 00-0154	EA	25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	4,791.35	463.63
		For >10 To 20, Deduct	*-119.78*	
		For >20 To 40, Deduct	*-239.57*	
		For >40, Deduct	*-382.53*	
26 56 13 00-0155	EA	25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	4,917.67	486.81
		For >10 To 20, Deduct	*-122.94*	
		For >20 To 40, Deduct	*-245.88*	
		For >40, Deduct	*-393.17*	
26 56 13 00-0156	EA	25' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	5,015.50	509.99
		For >10 To 20, Deduct	*-125.39*	
		For >20 To 40, Deduct	*-250.78*	
		For >40, Deduct	*-401.66*	
26 56 13 00-0157	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,152.59	509.99
		For >10 To 20, Deduct	*-128.81*	
		For >20 To 40, Deduct	*-257.63*	
		For >40, Deduct	*-411.94*	
26 56 13 00-0158	EA	30' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,615.78	533.17
		For >10 To 20, Deduct	*-140.39*	
		For >20 To 40, Deduct	*-280.79*	
		For >40, Deduct	*-447.84*	
26 56 13 00-0159	EA	30' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	6,484.57	556.36
		For >10 To 20, Deduct	*-162.11*	
		For >20 To 40, Deduct	*-324.23*	
		For >40, Deduct	*-514.16*	
26 56 13 00-0160	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	6,275.40	533.17
		For >10 To 20, Deduct	*-156.89*	
		For >20 To 40, Deduct	*-313.77*	
		For >40, Deduct	*-497.31*	
26 56 13 00-0161	EA	35' High, 10" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	6,388.76	556.36
		For >10 To 20, Deduct	*-159.72*	
		For >20 To 40, Deduct	*-319.44*	
		For >40, Deduct	*-506.97*	
26 56 13 00-0162	EA	35' High, 10" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	7,841.53	579.53
		For >10 To 20, Deduct	*-196.04*	
		For >20 To 40, Deduct	*-392.08*	
		For >40, Deduct	*-617.09*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0163		Round Tapered, Aluminum Roadway Light Poles With Davit Style Arm *(26 56 13 00-0091)*		
26 56 13 00-0164		Round Tapered, Aluminum Roadway Light Poles With Single Davit Style Arm *(26 56 13 00-0163)*		
26 56 13 00-0165	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	3,038.34	278.18
		For >10 To 20, Deduct	*-75.96*	
		For >20 To 40, Deduct	*-151.92*	
		For >40, Deduct	*-241.78*	
26 56 13 00-0166	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	3,126.76	278.18
		For >10 To 20, Deduct	*-78.17*	
		For >20 To 40, Deduct	*-156.34*	
		For >40, Deduct	*-248.42*	
26 56 13 00-0167	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	3,215.37	278.18
		For >10 To 20, Deduct	*-80.38*	
		For >20 To 40, Deduct	*-160.77*	
		For >40, Deduct	*-255.06*	
26 56 13 00-0168	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	3,585.32	370.90
		For >10 To 20, Deduct	*-89.63*	
		For >20 To 40, Deduct	*-179.27*	
		For >40, Deduct	*-287.44*	
26 56 13 00-0169	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	3,652.71	370.90
		For >10 To 20, Deduct	*-91.32*	
		For >20 To 40, Deduct	*-182.64*	
		For >40, Deduct	*-292.50*	
26 56 13 00-0170	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	3,726.34	370.90
		For >10 To 20, Deduct	*-93.16*	
		For >20 To 40, Deduct	*-186.32*	
		For >40, Deduct	*-298.02*	
26 56 13 00-0171	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	4,047.46	417.27
		For >10 To 20, Deduct	*-101.19*	
		For >20 To 40, Deduct	*-202.37*	
		For >40, Deduct	*-324.42*	
26 56 13 00-0172	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	4,138.95	417.27
		For >10 To 20, Deduct	*-103.47*	
		For >20 To 40, Deduct	*-206.95*	
		For >40, Deduct	*-331.28*	
26 56 13 00-0173	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	4,152.67	417.27
		For >10 To 20, Deduct	*-103.82*	
		For >20 To 40, Deduct	*-207.63*	
		For >40, Deduct	*-332.31*	
26 56 13 00-0174	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	4,419.35	440.44
		For >10 To 20, Deduct	*-110.48*	
		For >20 To 40, Deduct	*-220.97*	
		For >40, Deduct	*-353.47*	
26 56 13 00-0175	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	4,459.48	440.44
		For >10 To 20, Deduct	*-111.49*	
		For >20 To 40, Deduct	*-222.97*	
		For >40, Deduct	*-356.48*	
26 56 13 00-0176	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	4,553.56	440.44
		For >10 To 20, Deduct	*-113.84*	
		For >20 To 40, Deduct	*-227.68*	
		For >40, Deduct	*-363.54*	
26 56 13 00-0177		Area Light Poles *(26 56 13 00-0001)*		
26 56 13 00-0178		Steel Area Light Poles *(26 56 13 00-0177)* Note: Includes powdercoat finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.		
26 56 13 00-0179		Round Straight, Steel Area Light Poles *(26 56 13 00-0178)*		
26 56 13 00-0180		Round Straight, Steel Area Light Poles, Anchor Base *(26 56 13 00-0179)*		
26 56 13 00-0181	EA	10' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	721.64	162.27
		For Galvanized Finish, Add	*11.91*	
		For >10 To 20, Deduct	*-24.00*	
		For >20 To 40, Deduct	*-44.02*	
		For >40, Deduct	*-92.02*	
26 56 13 00-0182	EA	12' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	790.00	185.45
		For Galvanized Finish, Add	*12.57*	
		For >10 To 20, Deduct	*-26.04*	
		For >20 To 40, Deduct	*-47.88*	
		For >40, Deduct	*-99.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0183	EA	14' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	883.67	208.63
		For Galvanized Finish, Add	*13.99*	
		For >10 To 20, Deduct	*-29.09*	
		For >20 To 40, Deduct	*-53.51*	
		For >40, Deduct	*-111.69*	
26 56 13 00-0184	EA	16' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	979.53	231.82
		For Galvanized Finish, Add	*15.48*	
		For >10 To 20, Deduct	*-32.23*	
		For >20 To 40, Deduct	*-59.29*	
		For >40, Deduct	*-123.75*	
26 56 13 00-0185	EA	18' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,047.89	254.99
		For Galvanized Finish, Add	*16.14*	
		For >10 To 20, Deduct	*-34.27*	
		For >20 To 40, Deduct	*-63.15*	
		For >40, Deduct	*-131.68*	
26 56 13 00-0186	EA	20' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,110.76	278.18
		For Galvanized Finish, Add	*16.63*	
		For >10 To 20, Deduct	*-36.09*	
		For >20 To 40, Deduct	*-66.63*	
		For >40, Deduct	*-138.80*	
26 56 13 00-0187	EA	10' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	750.24	162.27
		For Galvanized Finish, Add	*12.77*	
		For >10 To 20, Deduct	*-25.14*	
		For >20 To 40, Deduct	*-46.03*	
		For >40, Deduct	*-96.31*	
26 56 13 00-0188	EA	12' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	819.70	185.45
		For Galvanized Finish, Add	*13.46*	
		For >10 To 20, Deduct	*-27.22*	
		For >20 To 40, Deduct	*-49.96*	
		For >40, Deduct	*-104.41*	
26 56 13 00-0189	EA	14' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	943.07	208.63
		For Galvanized Finish, Add	*15.77*	
		For >10 To 20, Deduct	*-31.46*	
		For >20 To 40, Deduct	*-57.67*	
		For >40, Deduct	*-120.60*	
26 56 13 00-0190	EA	16' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,018.03	231.82
		For Galvanized Finish, Add	*16.63*	
		For >10 To 20, Deduct	*-33.77*	
		For >20 To 40, Deduct	*-61.99*	
		For >40, Deduct	*-129.52*	
26 56 13 00-0191	EA	18' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,089.69	254.99
		For Galvanized Finish, Add	*17.39*	
		For >10 To 20, Deduct	*-35.94*	
		For >20 To 40, Deduct	*-66.08*	
		For >40, Deduct	*-137.95*	
26 56 13 00-0192	EA	20' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,150.36	278.18
		For Galvanized Finish, Add	*17.82*	
		For >10 To 20, Deduct	*-37.67*	
		For >20 To 40, Deduct	*-69.40*	
		For >40, Deduct	*-144.74*	
26 56 13 00-0193	EA	25' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,376.50	370.90
		For Galvanized Finish, Add	*19.04*	
		For >10 To 20, Deduct	*-43.93*	
		For >20 To 40, Deduct	*-81.52*	
		For >40, Deduct	*-169.39*	
26 56 13 00-0194	EA	10' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	750.24	162.27
		For Galvanized Finish, Add	*12.77*	
		For >10 To 20, Deduct	*-25.14*	
		For >20 To 40, Deduct	*-46.03*	
		For >40, Deduct	*-96.31*	
26 56 13 00-0195	EA	12' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	823.00	185.45
		For Galvanized Finish, Add	*13.56*	
		For >10 To 20, Deduct	*-27.36*	
		For >20 To 40, Deduct	*-50.19*	
		For >40, Deduct	*-104.91*	
26 56 13 00-0196	EA	14' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	960.67	208.63
		For Galvanized Finish, Add	*16.30*	
		For >10 To 20, Deduct	*-32.17*	
		For >20 To 40, Deduct	*-58.90*	
		For >40, Deduct	*-123.24*	
26 56 13 00-0197	EA	16' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,021.33	231.82
		For Galvanized Finish, Add	*16.73*	
		For >10 To 20, Deduct	*-33.90*	
		For >20 To 40, Deduct	*-62.22*	
		For >40, Deduct	*-130.02*	
26 56 13 00-0198	EA	18' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,089.69	254.99
		For Galvanized Finish, Add	*17.39*	
		For >10 To 20, Deduct	*-35.94*	
		For >20 To 40, Deduct	*-66.08*	
		For >40, Deduct	*-137.95*	
26 56 13 00-0199	EA	20' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,150.36	278.18
		For Galvanized Finish, Add	*17.82*	
		For >10 To 20, Deduct	*-37.67*	
		For >20 To 40, Deduct	*-69.40*	
		For >40, Deduct	*-144.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0200	EA	25' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,407.30	370.90
		For Galvanized Finish, Add	*19.97*	
		For >10 To 20, Deduct	*-45.17*	
		For >20 To 40, Deduct	*-83.68*	
		For >40, Deduct	*-174.01*	
26 56 13 00-0201	EA	30' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,557.23	417.27
		For Galvanized Finish, Add	*21.68*	
		For >10 To 20, Deduct	*-49.77*	
		For >20 To 40, Deduct	*-92.32*	
		For >40, Deduct	*-191.86*	
26 56 13 00-0202	EA	20' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,220.76	278.18
		For Galvanized Finish, Add	*19.93*	
		For >10 To 20, Deduct	*-40.49*	
		For >20 To 40, Deduct	*-74.33*	
		For >40, Deduct	*-155.30*	
26 56 13 00-0203	EA	25' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,421.60	370.90
		For Galvanized Finish, Add	*20.39*	
		For >10 To 20, Deduct	*-45.74*	
		For >20 To 40, Deduct	*-84.68*	
		For >40, Deduct	*-176.15*	
26 56 13 00-0204	EA	30' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,584.73	417.27
		For Galvanized Finish, Add	*22.51*	
		For >10 To 20, Deduct	*-50.87*	
		For >20 To 40, Deduct	*-94.24*	
		For >40, Deduct	*-195.98*	

26 56 13 00-0205 Round Tapered, Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0206 Round Tapered, Steel Area Light Poles, Anchor Base *(26 56 13 00-0205)*

26 56 13 00-0207	EA	20' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	1,469.36	278.18
		For Galvanized Finish, Add	*27.39*	
		For >10 To 20, Deduct	*-50.43*	
		For >20 To 40, Deduct	*-91.73*	
		For >40, Deduct	*-192.59*	
26 56 13 00-0208	EA	20' High, 6.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	1,503.46	278.18
		For Galvanized Finish, Add	*28.41*	
		For >10 To 20, Deduct	*-51.79*	
		For >20 To 40, Deduct	*-94.12*	
		For >40, Deduct	*-197.70*	
26 56 13 00-0209	EA	25' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	1,763.70	370.90
		For Galvanized Finish, Add	*30.66*	
		For >10 To 20, Deduct	*-59.42*	
		For >20 To 40, Deduct	*-108.62*	
		For >40, Deduct	*-227.47*	
26 56 13 00-0210	EA	25' High, 7.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	1,834.10	370.90
		For Galvanized Finish, Add	*32.77*	
		For >10 To 20, Deduct	*-62.24*	
		For >20 To 40, Deduct	*-113.55*	
		For >40, Deduct	*-238.03*	
26 56 13 00-0211	EA	30' High, 6.60" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	1,966.43	417.27
		For Galvanized Finish, Add	*33.96*	
		For >10 To 20, Deduct	*-66.14*	
		For >20 To 40, Deduct	*-120.96*	
		For >40, Deduct	*-253.24*	
26 56 13 00-0212	EA	30' High, 8.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,084.13	417.27
		For Galvanized Finish, Add	*37.49*	
		For >10 To 20, Deduct	*-70.85*	
		For >20 To 40, Deduct	*-129.20*	
		For >40, Deduct	*-270.89*	
26 56 13 00-0213	EA	35' High, 7.30" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,154.69	440.44
		For Galvanized Finish, Add	*38.21*	
		For >10 To 20, Deduct	*-72.97*	
		For >20 To 40, Deduct	*-133.21*	
		For >40, Deduct	*-279.16*	
26 56 13 00-0214	EA	35' High, 8.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,227.29	440.44
		For Galvanized Finish, Add	*40.39*	
		For >10 To 20, Deduct	*-75.88*	
		For >20 To 40, Deduct	*-138.29*	
		For >40, Deduct	*-290.05*	
26 56 13 00-0215	EA	35' High, 9.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,401.09	440.44
		For Galvanized Finish, Add	*45.61*	
		For >10 To 20, Deduct	*-82.83*	
		For >20 To 40, Deduct	*-150.46*	
		For >40, Deduct	*-316.12*	
26 56 13 00-0216	EA	39' High, 7.82" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,434.25	463.63
		For Galvanized Finish, Add	*45.21*	
		For >10 To 20, Deduct	*-83.46*	
		For >20 To 40, Deduct	*-151.85*	
		For >40, Deduct	*-318.78*	
26 56 13 00-0217	EA	39' High, 9.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,465.05	463.63
		For Galvanized Finish, Add	*46.13*	
		For >10 To 20, Deduct	*-84.69*	
		For >20 To 40, Deduct	*-154.01*	
		For >40, Deduct	*-323.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0218	EA	45' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,336.13	602.72
		For Galvanized Finish, Add	*63.92*	
		For >10 To 20, Deduct	*-115.36*	
		For >20 To 40, Deduct	*-209.42*	
		For >40, Deduct	*-440.15*	
26 56 13 00-0219	EA	50' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,514.98	695.44
		For Galvanized Finish, Add	*63.72*	
		For >10 To 20, Deduct	*-119.74*	
		For >20 To 40, Deduct	*-218.23*	
		For >40, Deduct	*-457.70*	
26 56 13 00-0220	EA	25' High, 7.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,311.50	370.90
		For Galvanized Finish, Add	*47.09*	
		For >10 To 20, Deduct	*-81.33*	
		For >20 To 40, Deduct	*-146.97*	
		For >40, Deduct	*-309.64*	
26 56 13 00-0221	EA	30' High, 8.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,622.03	417.27
		For Galvanized Finish, Add	*53.63*	
		For >10 To 20, Deduct	*-92.36*	
		For >20 To 40, Deduct	*-166.85*	
		For >40, Deduct	*-351.58*	
26 56 13 00-0222	EA	39' High, 9.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,027.15	463.63
		For Galvanized Finish, Add	*63.00*	
		For >10 To 20, Deduct	*-107.18*	
		For >20 To 40, Deduct	*-193.36*	
		For >40, Deduct	*-407.71*	
26 56 13 00-0223	EA	45' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,679.33	602.72
		For Galvanized Finish, Add	*74.22*	
		For >10 To 20, Deduct	*-129.09*	
		For >20 To 40, Deduct	*-233.44*	
		For >40, Deduct	*-491.63*	
26 56 13 00-0224	EA	50' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,289.38	695.44
		For Galvanized Finish, Add	*86.96*	
		For >10 To 20, Deduct	*-150.71*	
		For >20 To 40, Deduct	*-272.44*	
		For >40, Deduct	*-573.86*	
26 56 13 00-0225	EA	50' High, 11.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,737.08	695.44
		For Galvanized Finish, Add	*100.39*	
		For >10 To 20, Deduct	*-168.62*	
		For >20 To 40, Deduct	*-303.78*	
		For >40, Deduct	*-641.02*	
26 56 13 00-0226	EA	50' High, 13.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	6,233.08	695.44
		For Galvanized Finish, Add	*145.27*	
		For >10 To 20, Deduct	*-228.46*	
		For >20 To 40, Deduct	*-408.50*	
		For >40, Deduct	*-865.42*	
26 56 13 00-0227	EA	50' High, 13.00" Base OD, 3 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	6,959.08	695.44
		For Galvanized Finish, Add	*167.05*	
		For >10 To 20, Deduct	*-257.50*	
		For >20 To 40, Deduct	*-459.32*	
		For >40, Deduct	*-974.32*	

26 56 13 00-0228 Square Straight, Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0229 Square Straight, Steel Area Light Poles, Anchor Base *(26 56 13 00-0228)*

26 56 13 00-0230	EA	10' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	712.84	162.27
		For Galvanized Finish, Add	*11.65*	
		For >10 To 20, Deduct	*-23.65*	
		For >20 To 40, Deduct	*-43.41*	
		For >40, Deduct	*-90.70*	
26 56 13 00-0231	EA	12' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	759.20	185.45
		For Galvanized Finish, Add	*11.65*	
		For >10 To 20, Deduct	*-24.80*	
		For >20 To 40, Deduct	*-45.73*	
		For >40, Deduct	*-95.34*	
26 56 13 00-0232	EA	14' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	824.27	208.63
		For Galvanized Finish, Add	*12.21*	
		For >10 To 20, Deduct	*-26.71*	
		For >20 To 40, Deduct	*-49.35*	
		For >40, Deduct	*-102.78*	
26 56 13 00-0233	EA	15' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	873.84	220.22
		For Galvanized Finish, Add	*13.00*	
		For >10 To 20, Deduct	*-28.35*	
		For >20 To 40, Deduct	*-52.36*	
		For >40, Deduct	*-109.05*	
26 56 13 00-0234	EA	16' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	897.03	231.82
		For Galvanized Finish, Add	*13.00*	
		For >10 To 20, Deduct	*-28.93*	
		For >20 To 40, Deduct	*-53.52*	
		For >40, Deduct	*-111.37*	
26 56 13 00-0235	EA	18' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	955.49	254.99
		For Galvanized Finish, Add	*13.37*	
		For >10 To 20, Deduct	*-30.57*	
		For >20 To 40, Deduct	*-56.68*	
		For >40, Deduct	*-117.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0236	EA	20' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,011.76	278.18
		For Galvanized Finish, Add	*13.66*	
		For >10 To 20, Deduct	*-32.13*	
		For >20 To 40, Deduct	*-59.70*	
		For >40, Deduct	*-123.95*	
26 56 13 00-0237	EA	25' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,263.20	370.90
		For Galvanized Finish, Add	*15.64*	
		For >10 To 20, Deduct	*-39.40*	
		For >20 To 40, Deduct	*-73.59*	
		For >40, Deduct	*-152.39*	
26 56 13 00-0238	EA	20' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,160.26	278.18
		For Galvanized Finish, Add	*18.12*	
		For >10 To 20, Deduct	*-38.07*	
		For >20 To 40, Deduct	*-70.09*	
		For >40, Deduct	*-146.22*	
26 56 13 00-0239	EA	25' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,467.80	370.90
		For Galvanized Finish, Add	*21.78*	
		For >10 To 20, Deduct	*-47.59*	
		For >20 To 40, Deduct	*-87.91*	
		For >40, Deduct	*-183.08*	
26 56 13 00-0240	EA	30' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,680.43	417.27
		For Galvanized Finish, Add	*25.38*	
		For >10 To 20, Deduct	*-54.70*	
		For >20 To 40, Deduct	*-100.94*	
		For >40, Deduct	*-210.34*	
26 56 13 00-0241	EA	20' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,119.56	278.18
		For Galvanized Finish, Add	*16.90*	
		For >10 To 20, Deduct	*-36.44*	
		For >20 To 40, Deduct	*-67.24*	
		For >40, Deduct	*-140.12*	
26 56 13 00-0242	EA	25' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,388.60	370.90
		For Galvanized Finish, Add	*19.40*	
		For >10 To 20, Deduct	*-44.42*	
		For >20 To 40, Deduct	*-82.37*	
		For >40, Deduct	*-171.20*	
26 56 13 00-0243	EA	30' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,612.23	417.27
		For Galvanized Finish, Add	*23.33*	
		For >10 To 20, Deduct	*-51.97*	
		For >20 To 40, Deduct	*-96.17*	
		For >40, Deduct	*-200.11*	
26 56 13 00-0244	EA	20' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,259.26	278.18
		For Galvanized Finish, Add	*21.09*	
		For >10 To 20, Deduct	*-42.03*	
		For >20 To 40, Deduct	*-77.02*	
		For >40, Deduct	*-161.07*	
26 56 13 00-0245	EA	25' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,566.80	370.90
		For Galvanized Finish, Add	*24.75*	
		For >10 To 20, Deduct	*-51.55*	
		For >20 To 40, Deduct	*-94.84*	
		For >40, Deduct	*-197.93*	
26 56 13 00-0246	EA	30' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,773.93	417.27
		For Galvanized Finish, Add	*28.18*	
		For >10 To 20, Deduct	*-58.44*	
		For >20 To 40, Deduct	*-107.48*	
		For >40, Deduct	*-224.36*	
26 56 13 00-0247	EA	35' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,956.69	440.44
		For Galvanized Finish, Add	*32.27*	
		For >10 To 20, Deduct	*-65.05*	
		For >20 To 40, Deduct	*-119.35*	
		For >40, Deduct	*-249.46*	
26 56 13 00-0248	EA	30' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,990.63	417.27
		For Galvanized Finish, Add	*34.68*	
		For >10 To 20, Deduct	*-67.11*	
		For >20 To 40, Deduct	*-122.65*	
		For >40, Deduct	*-256.87*	
26 56 13 00-0249	EA	35' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,174.49	440.44
		For Galvanized Finish, Add	*38.81*	
		For >10 To 20, Deduct	*-73.77*	
		For >20 To 40, Deduct	*-134.60*	
		For >40, Deduct	*-282.13*	
26 56 13 00-0250	EA	40' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,298.95	463.63
		For Galvanized Finish, Add	*41.15*	
		For >10 To 20, Deduct	*-78.05*	
		For >20 To 40, Deduct	*-142.38*	
		For >40, Deduct	*-298.48*	

26 56 13 00-0251 Hinged, Square Straight, Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0252 Hinged, Square Straight, Steel Area Light Poles, Anchor Base *(26 56 13 00-0251)*

26 56 13 00-0253	EA	20' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,380.39	278.18
		For Galvanized Finish, Add	*54.72*	
		For >10 To 20, Deduct	*-86.87*	
		For >20 To 40, Deduct	*-155.50*	
		For >40, Deduct	*-329.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0254	EA	25' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,689.85	370.90
		For Galvanized Finish, Add	*58.44*	
		For >10 To 20, Deduct	*-96.47*	
		For >20 To 40, Deduct	*-173.45*	
		For >40, Deduct	*-366.39*	
26 56 13 00-0255	EA	30' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	3,709.22	417.27
		For Galvanized Finish, Add	*86.24*	
		For >10 To 20, Deduct	*-135.85*	
		For >20 To 40, Deduct	*-242.95*	
		For >40, Deduct	*-514.66*	
26 56 13 00-0256	EA	20' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,424.85	278.18
		For Galvanized Finish, Add	*56.05*	
		For >10 To 20, Deduct	*-88.65*	
		For >20 To 40, Deduct	*-158.61*	
		For >40, Deduct	*-335.91*	
26 56 13 00-0257	EA	25' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,948.42	370.90
		For Galvanized Finish, Add	*66.20*	
		For >10 To 20, Deduct	*-106.81*	
		For >20 To 40, Deduct	*-191.55*	
		For >40, Deduct	*-405.17*	
26 56 13 00-0258	EA	30' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,094.15	417.27
		For Galvanized Finish, Add	*97.79*	
		For >10 To 20, Deduct	*-151.25*	
		For >20 To 40, Deduct	*-269.90*	
		For >40, Deduct	*-572.40*	
26 56 13 00-0259	EA	35' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,677.54	440.44
		For Galvanized Finish, Add	*113.90*	
		For >10 To 20, Deduct	*-173.89*	
		For >20 To 40, Deduct	*-309.81*	
		For >40, Deduct	*-657.59*	
26 56 13 00-0260	EA	39' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,469.19	463.63
		For Galvanized Finish, Add	*136.26*	
		For >10 To 20, Deduct	*-204.86*	
		For >20 To 40, Deduct	*-364.30*	
		For >40, Deduct	*-774.02*	
26 56 13 00-0261	EA	20' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,310.19	278.18
		For Galvanized Finish, Add	*52.61*	
		For >10 To 20, Deduct	*-84.06*	
		For >20 To 40, Deduct	*-150.59*	
		For >40, Deduct	*-318.71*	
26 56 13 00-0262	EA	25' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,577.53	370.90
		For Galvanized Finish, Add	*55.07*	
		For >10 To 20, Deduct	*-91.97*	
		For >20 To 40, Deduct	*-165.59*	
		For >40, Deduct	*-349.54*	
26 56 13 00-0263	EA	30' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	3,511.49	417.27
		For Galvanized Finish, Add	*80.31*	
		For >10 To 20, Deduct	*-127.94*	
		For >20 To 40, Deduct	*-229.11*	
		For >40, Deduct	*-485.00*	
26 56 13 00-0264	EA	20' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,390.92	278.18
		For Galvanized Finish, Add	*55.04*	
		For >10 To 20, Deduct	*-87.29*	
		For >20 To 40, Deduct	*-156.24*	
		For >40, Deduct	*-330.82*	
26 56 13 00-0265	EA	25' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,843.12	370.90
		For Galvanized Finish, Add	*63.04*	
		For >10 To 20, Deduct	*-102.60*	
		For >20 To 40, Deduct	*-184.18*	
		For >40, Deduct	*-389.38*	
26 56 13 00-0266	EA	30' High, 6.44" OD, 7 Gauge, Hinged Square Straight, Steel Area Light Pole, Anchor Base	3,947.90	417.27
		For Galvanized Finish, Add	*93.40*	
		For >10 To 20, Deduct	*-145.40*	
		For >20 To 40, Deduct	*-259.66*	
		For >40, Deduct	*-550.46*	
26 56 13 00-0267	EA	20' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,514.94	278.18
		For Galvanized Finish, Add	*58.76*	
		For >10 To 20, Deduct	*-92.25*	
		For >20 To 40, Deduct	*-164.92*	
		For >40, Deduct	*-349.42*	
26 56 13 00-0268	EA	25' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	3,066.59	370.90
		For Galvanized Finish, Add	*69.74*	
		For >10 To 20, Deduct	*-111.54*	
		For >20 To 40, Deduct	*-199.83*	
		For >40, Deduct	*-422.90*	
26 56 13 00-0269	EA	30' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,211.15	417.27
		For Galvanized Finish, Add	*101.30*	
		For >10 To 20, Deduct	*-155.93*	
		For >20 To 40, Deduct	*-278.09*	
		For >40, Deduct	*-589.95*	
26 56 13 00-0270	EA	35' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,820.28	440.44
		For Galvanized Finish, Add	*118.18*	
		For >10 To 20, Deduct	*-179.60*	
		For >20 To 40, Deduct	*-319.80*	
		For >40, Deduct	*-679.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0271	EA	39' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,545.24	463.63
		For Galvanized Finish, Add	*138.54*	
		For >10 To 20, Deduct	*-207.90*	
		For >20 To 40, Deduct	*-369.62*	
		For >40, Deduct	*-785.42*	
26 56 13 00-0272		Square Tapered, Steel Area Light Poles *(26 56 13 00-0178)*		
26 56 13 00-0273		Square Tapered, Steel Area Light Poles, Anchor Base *(26 56 13 00-0272)*		
26 56 13 00-0274	EA	20' High, 5.25" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	1,840.06	278.18
		For Galvanized Finish, Add	*38.51*	
		For >10 To 20, Deduct	*-65.26*	
		For >20 To 40, Deduct	*-117.68*	
		For >40, Deduct	*-248.19*	
26 56 13 00-0275	EA	25' High, 6.00" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	2,252.10	370.90
		For Galvanized Finish, Add	*45.31*	
		For >10 To 20, Deduct	*-78.96*	
		For >20 To 40, Deduct	*-142.81*	
		For >40, Deduct	*-300.73*	
26 56 13 00-0276	EA	30' High, 6.41" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	2,508.73	417.27
		For Galvanized Finish, Add	*50.23*	
		For >10 To 20, Deduct	*-87.83*	
		For >20 To 40, Deduct	*-158.92*	
		For >40, Deduct	*-334.58*	
26 56 13 00-0277	EA	35' High, 6.81" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	2,771.79	440.44
		For Galvanized Finish, Add	*56.73*	
		For >10 To 20, Deduct	*-97.66*	
		For >20 To 40, Deduct	*-176.41*	
		For >40, Deduct	*-371.72*	
26 56 13 00-0278	EA	39' High, 7.18" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	2,921.55	463.63
		For Galvanized Finish, Add	*59.83*	
		For >10 To 20, Deduct	*-102.95*	
		For >20 To 40, Deduct	*-185.96*	
		For >40, Deduct	*-391.87*	
26 56 13 00-0279	EA	20' High, 5.50" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	2,333.96	278.18
		For Galvanized Finish, Add	*53.33*	
		For >10 To 20, Deduct	*-85.01*	
		For >20 To 40, Deduct	*-152.25*	
		For >40, Deduct	*-322.28*	
26 56 13 00-0280	EA	25' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	2,639.30	370.90
		For Galvanized Finish, Add	*56.93*	
		For >10 To 20, Deduct	*-94.45*	
		For >20 To 40, Deduct	*-169.92*	
		For >40, Deduct	*-358.81*	
26 56 13 00-0281	EA	30' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	2,825.53	417.27
		For Galvanized Finish, Add	*59.73*	
		For >10 To 20, Deduct	*-100.50*	
		For >20 To 40, Deduct	*-181.10*	
		For >40, Deduct	*-382.10*	
26 56 13 00-0282	EA	30' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	3,115.93	417.27
		For Galvanized Finish, Add	*68.44*	
		For >10 To 20, Deduct	*-112.12*	
		For >20 To 40, Deduct	*-201.42*	
		For >40, Deduct	*-425.66*	
26 56 13 00-0283	EA	35' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	3,371.29	440.44
		For Galvanized Finish, Add	*74.71*	
		For >10 To 20, Deduct	*-121.64*	
		For >20 To 40, Deduct	*-218.37*	
		For >40, Deduct	*-461.65*	
26 56 13 00-0284	EA	35' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	3,730.99	440.44
		For Galvanized Finish, Add	*85.50*	
		For >10 To 20, Deduct	*-136.03*	
		For >20 To 40, Deduct	*-243.55*	
		For >40, Deduct	*-515.60*	
26 56 13 00-0285	EA	39' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	3,434.15	463.63
		For Galvanized Finish, Add	*75.21*	
		For >10 To 20, Deduct	*-123.46*	
		For >20 To 40, Deduct	*-221.85*	
		For >40, Deduct	*-468.76*	
26 56 13 00-0286	EA	39' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	4,319.65	463.63
		For Galvanized Finish, Add	*101.77*	
		For >10 To 20, Deduct	*-158.88*	
		For >20 To 40, Deduct	*-283.83*	
		For >40, Deduct	*-601.59*	
26 56 13 00-0287	EA	45' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	4,085.23	602.72
		For Galvanized Finish, Add	*86.39*	
		For >10 To 20, Deduct	*-145.33*	
		For >20 To 40, Deduct	*-261.86*	
		For >40, Deduct	*-552.51*	
26 56 13 00-0288	EA	45' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	4,689.13	602.72
		For Galvanized Finish, Add	*104.51*	
		For >10 To 20, Deduct	*-169.48*	
		For >20 To 40, Deduct	*-304.13*	
		For >40, Deduct	*-643.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0289	EA	50' High, 8.81" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	4,905.38	695.44
		For Galvanized Finish, Add	*105.44*	
		For >10 To 20, Deduct	*-175.35*	
		For >20 To 40, Deduct	*-315.56*	
		For >40, Deduct	*-666.26*	

26 56 13 00-0290 Factory Accessories For Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0291	EA	1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Steel Area Light Poles	39.00	
26 56 13 00-0292	EA	Festoon Outlet Provision For Steel Area Light Poles Note: Excludes electrical outlet.	54.00	
26 56 13 00-0293	EA	Extra Handhole For Steel Area Light Poles	58.00	
26 56 13 00-0294	EA	Vibration Dampener For Steel Area Light Poles	59.00	

26 56 13 00-0295 Aluminum Area Light Poles *(26 56 13 00-0177)*

Note: Includes satin brushed or painted finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.

26 56 13 00-0296 Round Straight, Aluminum Area Light Poles *(26 56 13 00-0295)*

26 56 13 00-0297 Round Straight, Aluminum Area Light Poles, Anchor Base *(26 56 13 00-0296)*

26 56 13 00-0298	EA	8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	707.18	139.09
		For Bronze Or Satin Anodized Finish, Add	*42.90*	
		For Black Anodized Finish, Add	*85.80*	
		For >10 To 20, Deduct	*-24.11*	
		For >20 To 40, Deduct	*-43.94*	
		For >40, Deduct	*-92.17*	
26 56 13 00-0299	EA	10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	775.54	162.27
		For Bronze Or Satin Anodized Finish, Add	*45.10*	
		For Black Anodized Finish, Add	*90.20*	
		For >10 To 20, Deduct	*-26.15*	
		For >20 To 40, Deduct	*-47.80*	
		For >40, Deduct	*-100.10*	
26 56 13 00-0300	EA	12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	849.40	185.45
		For Bronze Or Satin Anodized Finish, Add	*47.85*	
		For Black Anodized Finish, Add	*95.70*	
		For >10 To 20, Deduct	*-28.41*	
		For >20 To 40, Deduct	*-52.04*	
		For >40, Deduct	*-108.87*	
26 56 13 00-0301	EA	14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	924.37	208.63
		For Bronze Or Satin Anodized Finish, Add	*50.71*	
		For Black Anodized Finish, Add	*101.42*	
		For >10 To 20, Deduct	*-30.72*	
		For >20 To 40, Deduct	*-56.36*	
		For >40, Deduct	*-117.79*	
26 56 13 00-0302	EA	15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	966.24	220.22
		For Bronze Or Satin Anodized Finish, Add	*52.58*	
		For Black Anodized Finish, Add	*105.16*	
		For >10 To 20, Deduct	*-32.04*	
		For >20 To 40, Deduct	*-58.83*	
		For >40, Deduct	*-122.91*	
26 56 13 00-0303	EA	16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	1,007.03	231.82
		For Bronze Or Satin Anodized Finish, Add	*54.34*	
		For Black Anodized Finish, Add	*108.68*	
		For >10 To 20, Deduct	*-33.33*	
		For >20 To 40, Deduct	*-61.22*	
		For >40, Deduct	*-127.87*	
26 56 13 00-0304	EA	16' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,073.03	231.82
		For Bronze Or Satin Anodized Finish, Add	*60.94*	
		For Black Anodized Finish, Add	*121.88*	
		For >10 To 20, Deduct	*-35.97*	
		For >20 To 40, Deduct	*-65.84*	
		For >40, Deduct	*-137.77*	
26 56 13 00-0305	EA	18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,161.19	254.99
		For Bronze Or Satin Anodized Finish, Add	*65.12*	
		For Black Anodized Finish, Add	*130.24*	
		For >10 To 20, Deduct	*-38.80*	
		For >20 To 40, Deduct	*-71.08*	
		For >40, Deduct	*-148.68*	
26 56 13 00-0306	EA	20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,242.76	278.18
		For Bronze Or Satin Anodized Finish, Add	*68.64*	
		For Black Anodized Finish, Add	*137.28*	
		For >10 To 20, Deduct	*-41.37*	
		For >20 To 40, Deduct	*-75.87*	
		For >40, Deduct	*-158.60*	
26 56 13 00-0307	EA	15' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,209.34	220.22
		For Bronze Or Satin Anodized Finish, Add	*76.89*	
		For Black Anodized Finish, Add	*153.78*	
		For >10 To 20, Deduct	*-41.77*	
		For >20 To 40, Deduct	*-75.85*	
		For >40, Deduct	*-159.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0308	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,485.86	278.18
		For Bronze Or Satin Anodized Finish, Add	*92.95*	
		For Black Anodized Finish, Add	*185.90*	
		For >10 To 20, Deduct	*-51.09*	
		For >20 To 40, Deduct	*-92.88*	
		For >40, Deduct	*-195.06*	
26 56 13 00-0309	EA	20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,609.06	278.18
		For Bronze Or Satin Anodized Finish, Add	*105.27*	
		For Black Anodized Finish, Add	*210.54*	
		For >10 To 20, Deduct	*-56.02*	
		For >20 To 40, Deduct	*-101.51*	
		For >40, Deduct	*-213.54*	
26 56 13 00-0310	EA	25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,910.00	370.90
		For Bronze Or Satin Anodized Finish, Add	*116.82*	
		For Black Anodized Finish, Add	*233.64*	
		For >10 To 20, Deduct	*-65.27*	
		For >20 To 40, Deduct	*-118.86*	
		For >40, Deduct	*-249.41*	
26 56 13 00-0311	EA	30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	2,221.63	417.27
		For Bronze Or Satin Anodized Finish, Add	*138.71*	
		For Black Anodized Finish, Add	*277.42*	
		For >10 To 20, Deduct	*-76.35*	
		For >20 To 40, Deduct	*-138.82*	
		For >40, Deduct	*-291.52*	
26 56 13 00-0312	EA	20' High, 4" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	1,318.66	278.18
		For Bronze Or Satin Anodized Finish, Add	*76.23*	
		For Black Anodized Finish, Add	*152.46*	
		For >10 To 20, Deduct	*-44.40*	
		For >20 To 40, Deduct	*-81.18*	
		For >40, Deduct	*-169.98*	
26 56 13 00-0313	EA	20' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	1,599.16	278.18
		For Bronze Or Satin Anodized Finish, Add	*104.28*	
		For Black Anodized Finish, Add	*208.56*	
		For >10 To 20, Deduct	*-55.62*	
		For >20 To 40, Deduct	*-100.81*	
		For >40, Deduct	*-212.06*	
26 56 13 00-0314	EA	25' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	1,892.40	370.90
		For Bronze Or Satin Anodized Finish, Add	*115.06*	
		For Black Anodized Finish, Add	*230.12*	
		For >10 To 20, Deduct	*-64.57*	
		For >20 To 40, Deduct	*-117.63*	
		For >40, Deduct	*-246.77*	
26 56 13 00-0315	EA	25' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	2,051.90	370.90
		For Bronze Or Satin Anodized Finish, Add	*131.01*	
		For Black Anodized Finish, Add	*262.02*	
		For >10 To 20, Deduct	*-70.95*	
		For >20 To 40, Deduct	*-128.80*	
		For >40, Deduct	*-270.70*	
26 56 13 00-0316	EA	30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	2,402.03	417.27
		For Bronze Or Satin Anodized Finish, Add	*156.75*	
		For Black Anodized Finish, Add	*313.50*	
		For >10 To 20, Deduct	*-83.56*	
		For >20 To 40, Deduct	*-151.45*	
		For >40, Deduct	*-318.58*	

26 56 13 00-0317 Round Straight, Aluminum Area Light Poles, Hinged Anchor Base *(26 56 13 00-0296)*

26 56 13 00-0318	EA	8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	819.38	139.09
		For Bronze, Satin Or Black Anodized Finish, Add	*81.18*	
		For >10 To 20, Deduct	*-28.60*	
		For >20 To 40, Deduct	*-51.79*	
		For >40, Deduct	*-109.00*	
26 56 13 00-0319	EA	10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	909.74	162.27
		For Bronze, Satin Or Black Anodized Finish, Add	*87.78*	
		For >10 To 20, Deduct	*-31.52*	
		For >20 To 40, Deduct	*-57.19*	
		For >40, Deduct	*-120.23*	
26 56 13 00-0320	EA	12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	995.70	185.45
		For Bronze, Satin Or Black Anodized Finish, Add	*93.72*	
		For >10 To 20, Deduct	*-34.26*	
		For >20 To 40, Deduct	*-62.28*	
		For >40, Deduct	*-130.81*	
26 56 13 00-0321	EA	14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,060.77	208.63
		For Bronze, Satin Or Black Anodized Finish, Add	*96.53*	
		For >10 To 20, Deduct	*-36.17*	
		For >20 To 40, Deduct	*-65.91*	
		For >40, Deduct	*-138.25*	
26 56 13 00-0322	EA	16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,139.03	231.82
		For Bronze, Satin Or Black Anodized Finish, Add	*101.31*	
		For >10 To 20, Deduct	*-38.61*	
		For >20 To 40, Deduct	*-70.46*	
		For >40, Deduct	*-147.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0323	EA	10' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	932.84	162.27
		For Bronze, Satin Or Black Anodized Finish, Add	*91.25*	
		For >10 To 20, Deduct	*-32.45*	
		For >20 To 40, Deduct	*-58.81*	
		For >40, Deduct	*-123.70*	
26 56 13 00-0324	EA	12' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,016.60	185.45
		For Bronze, Satin Or Black Anodized Finish, Add	*96.86*	
		For >10 To 20, Deduct	*-35.10*	
		For >20 To 40, Deduct	*-63.74*	
		For >40, Deduct	*-133.95*	
26 56 13 00-0325	EA	14' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,103.67	208.63
		For Bronze, Satin Or Black Anodized Finish, Add	*102.96*	
		For >10 To 20, Deduct	*-37.89*	
		For >20 To 40, Deduct	*-68.91*	
		For >40, Deduct	*-144.69*	
26 56 13 00-0326	EA	16' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,189.63	231.82
		For Bronze, Satin Or Black Anodized Finish, Add	*108.90*	
		For >10 To 20, Deduct	*-40.63*	
		For >20 To 40, Deduct	*-74.00*	
		For >40, Deduct	*-155.26*	
26 56 13 00-0327	EA	18' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,281.09	254.99
		For Bronze, Satin Or Black Anodized Finish, Add	*115.67*	
		For >10 To 20, Deduct	*-43.59*	
		For >20 To 40, Deduct	*-79.48*	
		For >40, Deduct	*-166.66*	
26 56 13 00-0328	EA	20' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,365.96	278.18
		For Bronze, Satin Or Black Anodized Finish, Add	*121.44*	
		For >10 To 20, Deduct	*-46.29*	
		For >20 To 40, Deduct	*-84.49*	
		For >40, Deduct	*-177.08*	
26 56 13 00-0329	EA	12' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,059.50	185.45
		For Bronze, Satin Or Black Anodized Finish, Add	*103.29*	
		For >10 To 20, Deduct	*-36.82*	
		For >20 To 40, Deduct	*-66.75*	
		For >40, Deduct	*-140.38*	
26 56 13 00-0330	EA	14' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,154.27	208.63
		For Bronze, Satin Or Black Anodized Finish, Add	*110.55*	
		For >10 To 20, Deduct	*-39.91*	
		For >20 To 40, Deduct	*-72.45*	
		For >40, Deduct	*-152.28*	
26 56 13 00-0331	EA	16' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,247.93	231.82
		For Bronze, Satin Or Black Anodized Finish, Add	*117.65*	
		For >10 To 20, Deduct	*-42.96*	
		For >20 To 40, Deduct	*-78.08*	
		For >40, Deduct	*-164.01*	
26 56 13 00-0332	EA	18' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,343.79	254.99
		For Bronze, Satin Or Black Anodized Finish, Add	*125.07*	
		For >10 To 20, Deduct	*-46.10*	
		For >20 To 40, Deduct	*-83.87*	
		For >40, Deduct	*-176.07*	
26 56 13 00-0333	EA	16' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,309.53	231.82
		For Bronze, Satin Or Black Anodized Finish, Add	*126.89*	
		For >10 To 20, Deduct	*-45.43*	
		For >20 To 40, Deduct	*-82.39*	
		For >40, Deduct	*-173.25*	
26 56 13 00-0334	EA	20' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,510.06	278.18
		For Bronze, Satin Or Black Anodized Finish, Add	*143.06*	
		For >10 To 20, Deduct	*-52.06*	
		For >20 To 40, Deduct	*-94.58*	
		For >40, Deduct	*-198.69*	
26 56 13 00-0335	EA	12' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,100.20	185.45
		For Bronze, Satin Or Black Anodized Finish, Add	*109.40*	
		For >10 To 20, Deduct	*-38.44*	
		For >20 To 40, Deduct	*-69.60*	
		For >40, Deduct	*-146.49*	
26 56 13 00-0336	EA	14' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,207.07	208.63
		For Bronze, Satin Or Black Anodized Finish, Add	*118.47*	
		For >10 To 20, Deduct	*-42.02*	
		For >20 To 40, Deduct	*-76.15*	
		For >40, Deduct	*-160.20*	
26 56 13 00-0337	EA	16' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,302.93	231.82
		For Bronze, Satin Or Black Anodized Finish, Add	*125.90*	
		For >10 To 20, Deduct	*-45.16*	
		For >20 To 40, Deduct	*-81.93*	
		For >40, Deduct	*-172.26*	
26 56 13 00-0338	EA	18' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,405.39	254.99
		For Bronze, Satin Or Black Anodized Finish, Add	*134.31*	
		For >10 To 20, Deduct	*-48.57*	
		For >20 To 40, Deduct	*-88.18*	
		For >40, Deduct	*-185.31*	
26 56 13 00-0339	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,504.56	278.18
		For Bronze, Satin Or Black Anodized Finish, Add	*142.23*	
		For >10 To 20, Deduct	*-51.84*	
		For >20 To 40, Deduct	*-94.19*	
		For >40, Deduct	*-197.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0340	EA	16' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,383.23	231.82
		For Bronze, Satin Or Black Anodized Finish, Add	*137.94*	
		For >10 To 20, Deduct	*-48.37*	
		For >20 To 40, Deduct	*-87.55*	
		For >40, Deduct	*-184.30*	
26 56 13 00-0341	EA	18' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,495.59	254.99
		For Bronze, Satin Or Black Anodized Finish, Add	*147.84*	
		For >10 To 20, Deduct	*-52.17*	
		For >20 To 40, Deduct	*-94.49*	
		For >40, Deduct	*-198.84*	
26 56 13 00-0342	EA	20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,538.66	278.18
		For Bronze, Satin Or Black Anodized Finish, Add	*147.35*	
		For >10 To 20, Deduct	*-53.20*	
		For >20 To 40, Deduct	*-96.58*	
		For >40, Deduct	*-202.98*	

26 56 13 00-0343 Round Straight, Aluminum Area Light Poles, Direct Burial *(26 56 13 00-0296)*

Note: Includes rubberized undercoating on embedded portion.

26 56 13 00-0344	EA	10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	636.62	115.90
		For Bronze Or Satin Anodized Finish, Add	*40.48*	
		For Black Anodized Finish, Add	*80.96*	
		For >10 To 20, Deduct	*-21.99*	
		For >20 To 40, Deduct	*-39.93*	
		For >40, Deduct	*-83.90*	
26 56 13 00-0345	EA	12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	680.69	127.50
		For Bronze Or Satin Anodized Finish, Add	*42.57*	
		For Black Anodized Finish, Add	*85.14*	
		For >10 To 20, Deduct	*-23.40*	
		For >20 To 40, Deduct	*-42.55*	
		For >40, Deduct	*-89.35*	
26 56 13 00-0346	EA	14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	753.38	139.09
		For Bronze Or Satin Anodized Finish, Add	*47.52*	
		For Black Anodized Finish, Add	*95.04*	
		For >10 To 20, Deduct	*-25.96*	
		For >20 To 40, Deduct	*-47.17*	
		For >40, Deduct	*-99.10*	
26 56 13 00-0347	EA	15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	778.68	139.09
		For Bronze Or Satin Anodized Finish, Add	*50.05*	
		For Black Anodized Finish, Add	*100.10*	
		For >10 To 20, Deduct	*-26.97*	
		For >20 To 40, Deduct	*-48.94*	
		For >40, Deduct	*-102.89*	
26 56 13 00-0348	EA	16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	810.58	139.09
		For Bronze Or Satin Anodized Finish, Add	*53.24*	
		For Black Anodized Finish, Add	*106.48*	
		For >10 To 20, Deduct	*-28.25*	
		For >20 To 40, Deduct	*-51.18*	
		For >40, Deduct	*-107.68*	
26 56 13 00-0349	EA	18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	930.56	150.68
		For Bronze Or Satin Anodized Finish, Add	*62.92*	
		For Black Anodized Finish, Add	*125.84*	
		For >10 To 20, Deduct	*-32.70*	
		For >20 To 40, Deduct	*-59.11*	
		For >40, Deduct	*-124.52*	
26 56 13 00-0350	EA	20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	994.44	162.27
		For Bronze Or Satin Anodized Finish, Add	*66.99*	
		For Black Anodized Finish, Add	*133.98*	
		For >10 To 20, Deduct	*-34.91*	
		For >20 To 40, Deduct	*-63.12*	
		For >40, Deduct	*-132.94*	
26 56 13 00-0351	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,164.94	162.27
		For Bronze Or Satin Anodized Finish, Add	*84.04*	
		For Black Anodized Finish, Add	*168.08*	
		For >10 To 20, Deduct	*-41.73*	
		For >20 To 40, Deduct	*-75.06*	
		For >40, Deduct	*-158.51*	
26 56 13 00-0352	EA	25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,430.20	185.45
		For Bronze Or Satin Anodized Finish, Add	*105.93*	
		For Black Anodized Finish, Add	*211.86*	
		For >10 To 20, Deduct	*-51.64*	
		For >20 To 40, Deduct	*-92.70*	
		For >40, Deduct	*-195.99*	
26 56 13 00-0353	EA	30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,623.97	208.63
		For Bronze Or Satin Anodized Finish, Add	*120.67*	
		For Black Anodized Finish, Add	*241.34*	
		For >10 To 20, Deduct	*-58.70*	
		For >20 To 40, Deduct	*-105.33*	
		For >40, Deduct	*-222.73*	
26 56 13 00-0354	EA	30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Direct Burial	1,825.27	208.63
		For Bronze Or Satin Anodized Finish, Add	*140.80*	
		For Black Anodized Finish, Add	*281.60*	
		For >10 To 20, Deduct	*-66.75*	
		For >20 To 40, Deduct	*-119.42*	
		For >40, Deduct	*-252.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0355		Round Tapered, Aluminum Area Light Poles *(26 56 13 00-0295)*		
26 56 13 00-0356		Round Tapered, Aluminum Area Light Poles, Anchor Base *(26 56 13 00-0355)*		
26 56 13 00-0357	EA	8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	589.48	139.09
		For Bronze Or Satin Anodized Finish, Add	*31.13*	
		For Black Anodized Finish, Add	*62.26*	
		For >10 To 20, Deduct	*-19.41*	
		For >20 To 40, Deduct	*-35.70*	
		For >40, Deduct	*-74.51*	
26 56 13 00-0358	EA	10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	661.14	162.27
		For Bronze Or Satin Anodized Finish, Add	*33.66*	
		For Black Anodized Finish, Add	*67.32*	
		For >10 To 20, Deduct	*-21.58*	
		For >20 To 40, Deduct	*-39.79*	
		For >40, Deduct	*-82.94*	
26 56 13 00-0359	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	732.80	185.45
		For Bronze Or Satin Anodized Finish, Add	*36.19*	
		For Black Anodized Finish, Add	*72.38*	
		For >10 To 20, Deduct	*-23.75*	
		For >20 To 40, Deduct	*-43.88*	
		For >40, Deduct	*-91.38*	
26 56 13 00-0360	EA	14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	814.37	208.63
		For Bronze Or Satin Anodized Finish, Add	*39.71*	
		For Black Anodized Finish, Add	*79.42*	
		For >10 To 20, Deduct	*-26.32*	
		For >20 To 40, Deduct	*-48.66*	
		For >40, Deduct	*-101.29*	
26 56 13 00-0361	EA	16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	894.83	231.82
		For Bronze Or Satin Anodized Finish, Add	*43.12*	
		For Black Anodized Finish, Add	*86.24*	
		For >10 To 20, Deduct	*-28.84*	
		For >20 To 40, Deduct	*-53.37*	
		For >40, Deduct	*-111.04*	
26 56 13 00-0362	EA	10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	689.74	162.27
		For Bronze Or Satin Anodized Finish, Add	*36.52*	
		For Black Anodized Finish, Add	*73.04*	
		For >10 To 20, Deduct	*-22.72*	
		For >20 To 40, Deduct	*-41.79*	
		For >40, Deduct	*-87.23*	
26 56 13 00-0363	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	777.90	185.45
		For Bronze Or Satin Anodized Finish, Add	*40.70*	
		For Black Anodized Finish, Add	*81.40*	
		For >10 To 20, Deduct	*-25.55*	
		For >20 To 40, Deduct	*-47.04*	
		For >40, Deduct	*-98.14*	
26 56 13 00-0364	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	862.77	208.63
		For Bronze Or Satin Anodized Finish, Add	*44.55*	
		For Black Anodized Finish, Add	*89.10*	
		For >10 To 20, Deduct	*-28.25*	
		For >20 To 40, Deduct	*-52.05*	
		For >40, Deduct	*-108.55*	
26 56 13 00-0365	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,024.79	254.99
		For Bronze Or Satin Anodized Finish, Add	*51.48*	
		For Black Anodized Finish, Add	*102.96*	
		For >10 To 20, Deduct	*-33.34*	
		For >20 To 40, Deduct	*-61.54*	
		For >40, Deduct	*-128.22*	
26 56 13 00-0366	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,098.66	278.18
		For Bronze Or Satin Anodized Finish, Add	*54.23*	
		For Black Anodized Finish, Add	*108.46*	
		For >10 To 20, Deduct	*-35.60*	
		For >20 To 40, Deduct	*-65.78*	
		For >40, Deduct	*-136.98*	
26 56 13 00-0367	EA	12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	818.60	185.45
		For Bronze Or Satin Anodized Finish, Add	*44.77*	
		For Black Anodized Finish, Add	*89.54*	
		For >10 To 20, Deduct	*-27.18*	
		For >20 To 40, Deduct	*-49.88*	
		For >40, Deduct	*-104.25*	
26 56 13 00-0368	EA	14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	910.07	208.63
		For Bronze Or Satin Anodized Finish, Add	*49.28*	
		For Black Anodized Finish, Add	*98.56*	
		For >10 To 20, Deduct	*-30.14*	
		For >20 To 40, Deduct	*-55.36*	
		For >40, Deduct	*-115.65*	
26 56 13 00-0369	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,009.23	231.82
		For Bronze Or Satin Anodized Finish, Add	*54.56*	
		For Black Anodized Finish, Add	*109.12*	
		For >10 To 20, Deduct	*-33.41*	
		For >20 To 40, Deduct	*-61.37*	
		For >40, Deduct	*-128.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0370	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,088.59	254.99
		For Bronze Or Satin Anodized Finish, Add	*57.86*	
		For Black Anodized Finish, Add	*115.72*	
		For >10 To 20, Deduct	*-35.89*	
		For >20 To 40, Deduct	*-66.00*	
		For >40, Deduct	*-137.79*	
26 56 13 00-0371	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,183.36	278.18
		For Bronze Or Satin Anodized Finish, Add	*62.70*	
		For Black Anodized Finish, Add	*125.40*	
		For >10 To 20, Deduct	*-38.99*	
		For >20 To 40, Deduct	*-71.71*	
		For >40, Deduct	*-149.69*	
26 56 13 00-0372	EA	16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,117.03	231.82
		For Bronze Or Satin Anodized Finish, Add	*65.34*	
		For Black Anodized Finish, Add	*130.68*	
		For >10 To 20, Deduct	*-37.73*	
		For >20 To 40, Deduct	*-68.92*	
		For >40, Deduct	*-144.37*	
26 56 13 00-0373	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,226.09	254.99
		For Bronze Or Satin Anodized Finish, Add	*71.61*	
		For Black Anodized Finish, Add	*143.22*	
		For >10 To 20, Deduct	*-41.39*	
		For >20 To 40, Deduct	*-75.63*	
		For >40, Deduct	*-158.41*	
26 56 13 00-0374	EA	20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,290.06	278.18
		For Bronze Or Satin Anodized Finish, Add	*73.37*	
		For Black Anodized Finish, Add	*146.74*	
		For >10 To 20, Deduct	*-43.26*	
		For >20 To 40, Deduct	*-79.18*	
		For >40, Deduct	*-165.69*	
26 56 13 00-0375	EA	23' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,480.68	324.54
		For Bronze Or Satin Anodized Finish, Add	*83.16*	
		For Black Anodized Finish, Add	*166.32*	
		For >10 To 20, Deduct	*-49.49*	
		For >20 To 40, Deduct	*-90.67*	
		For >40, Deduct	*-189.65*	
26 56 13 00-0376	EA	25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,677.90	370.90
		For Bronze Or Satin Anodized Finish, Add	*93.61*	
		For Black Anodized Finish, Add	*187.22*	
		For >10 To 20, Deduct	*-55.99*	
		For >20 To 40, Deduct	*-102.62*	
		For >40, Deduct	*-214.60*	
26 56 13 00-0377	EA	18' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,333.89	254.99
		For Bronze Or Satin Anodized Finish, Add	*82.39*	
		For Black Anodized Finish, Add	*164.78*	
		For >10 To 20, Deduct	*-45.71*	
		For >20 To 40, Deduct	*-83.17*	
		For >40, Deduct	*-174.58*	
26 56 13 00-0378	EA	20' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,420.96	278.18
		For Bronze Or Satin Anodized Finish, Add	*86.46*	
		For Black Anodized Finish, Add	*172.92*	
		For >10 To 20, Deduct	*-48.49*	
		For >20 To 40, Deduct	*-88.34*	
		For >40, Deduct	*-185.33*	
26 56 13 00-0379	EA	23' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,584.08	324.54
		For Bronze Or Satin Anodized Finish, Add	*93.50*	
		For Black Anodized Finish, Add	*187.00*	
		For >10 To 20, Deduct	*-53.63*	
		For >20 To 40, Deduct	*-97.90*	
		For >40, Deduct	*-205.16*	
26 56 13 00-0380	EA	25' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,757.10	370.90
		For Bronze Or Satin Anodized Finish, Add	*101.53*	
		For Black Anodized Finish, Add	*203.06*	
		For >10 To 20, Deduct	*-59.16*	
		For >20 To 40, Deduct	*-108.16*	
		For >40, Deduct	*-226.48*	
26 56 13 00-0381	EA	28' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,892.56	394.08
		For Bronze Or Satin Anodized Finish, Add	*110.44*	
		For Black Anodized Finish, Add	*220.88*	
		For >10 To 20, Deduct	*-63.88*	
		For >20 To 40, Deduct	*-116.72*	
		For >40, Deduct	*-244.48*	
26 56 13 00-0382	EA	30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,030.23	417.27
		For Bronze Or Satin Anodized Finish, Add	*119.57*	
		For Black Anodized Finish, Add	*239.14*	
		For >10 To 20, Deduct	*-68.69*	
		For >20 To 40, Deduct	*-125.43*	
		For >40, Deduct	*-262.81*	
26 56 13 00-0383	EA	23' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,686.38	324.54
		For Bronze Or Satin Anodized Finish, Add	*103.73*	
		For Black Anodized Finish, Add	*207.46*	
		For >10 To 20, Deduct	*-57.72*	
		For >20 To 40, Deduct	*-105.07*	
		For >40, Deduct	*-220.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0384	EA	25' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,825.30	370.90
		For Bronze Or Satin Anodized Finish, Add	*108.35*	
		For Black Anodized Finish, Add	*216.70*	
		For >10 To 20, Deduct	*-61.89*	
		For >20 To 40, Deduct	*-112.94*	
		For >40, Deduct	*-236.71*	
26 56 13 00-0385	EA	28' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,966.26	394.08
		For Bronze Or Satin Anodized Finish, Add	*117.81*	
		For Black Anodized Finish, Add	*235.62*	
		For >10 To 20, Deduct	*-66.83*	
		For >20 To 40, Deduct	*-121.88*	
		For >40, Deduct	*-255.53*	
26 56 13 00-0386	EA	30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,144.63	417.27
		For Bronze Or Satin Anodized Finish, Add	*131.01*	
		For Black Anodized Finish, Add	*262.02*	
		For >10 To 20, Deduct	*-73.27*	
		For >20 To 40, Deduct	*-133.43*	
		For >40, Deduct	*-279.97*	
26 56 13 00-0387	EA	33' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,217.31	428.85
		For Bronze Or Satin Anodized Finish, Add	*135.96*	
		For Black Anodized Finish, Add	*271.92*	
		For >10 To 20, Deduct	*-75.83*	
		For >20 To 40, Deduct	*-138.06*	
		For >40, Deduct	*-289.71*	
26 56 13 00-0388	EA	35' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,373.59	440.44
		For Bronze Or Satin Anodized Finish, Add	*149.27*	
		For Black Anodized Finish, Add	*298.54*	
		For >10 To 20, Deduct	*-81.73*	
		For >20 To 40, Deduct	*-148.53*	
		For >40, Deduct	*-311.99*	
26 56 13 00-0389	EA	12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	863.70	185.45
		For Bronze Or Satin Anodized Finish, Add	*49.28*	
		For Black Anodized Finish, Add	*98.56*	
		For >10 To 20, Deduct	*-28.98*	
		For >20 To 40, Deduct	*-53.04*	
		For >40, Deduct	*-111.01*	
26 56 13 00-0390	EA	14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	962.87	208.63
		For Bronze Or Satin Anodized Finish, Add	*54.56*	
		For Black Anodized Finish, Add	*109.12*	
		For >10 To 20, Deduct	*-32.26*	
		For >20 To 40, Deduct	*-59.06*	
		For >40, Deduct	*-123.57*	
26 56 13 00-0391	EA	16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,066.43	231.82
		For Bronze Or Satin Anodized Finish, Add	*60.28*	
		For Black Anodized Finish, Add	*120.56*	
		For >10 To 20, Deduct	*-35.70*	
		For >20 To 40, Deduct	*-65.38*	
		For >40, Deduct	*-136.78*	
26 56 13 00-0392	EA	18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,157.89	254.99
		For Bronze Or Satin Anodized Finish, Add	*64.79*	
		For Black Anodized Finish, Add	*129.58*	
		For >10 To 20, Deduct	*-38.67*	
		For >20 To 40, Deduct	*-70.85*	
		For >40, Deduct	*-148.18*	
26 56 13 00-0393	EA	20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,248.26	278.18
		For Bronze Or Satin Anodized Finish, Add	*69.19*	
		For Black Anodized Finish, Add	*138.38*	
		For >10 To 20, Deduct	*-41.59*	
		For >20 To 40, Deduct	*-76.25*	
		For >40, Deduct	*-159.42*	
26 56 13 00-0394	EA	16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,186.33	231.82
		For Bronze Or Satin Anodized Finish, Add	*72.27*	
		For Black Anodized Finish, Add	*144.54*	
		For >10 To 20, Deduct	*-40.50*	
		For >20 To 40, Deduct	*-73.77*	
		For >40, Deduct	*-154.77*	
26 56 13 00-0395	EA	18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,298.69	254.99
		For Bronze Or Satin Anodized Finish, Add	*78.87*	
		For Black Anodized Finish, Add	*157.74*	
		For >10 To 20, Deduct	*-44.30*	
		For >20 To 40, Deduct	*-80.71*	
		For >40, Deduct	*-169.30*	
26 56 13 00-0396	EA	20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,376.96	278.18
		For Bronze Or Satin Anodized Finish, Add	*82.06*	
		For Black Anodized Finish, Add	*164.12*	
		For >10 To 20, Deduct	*-46.73*	
		For >20 To 40, Deduct	*-85.26*	
		For >40, Deduct	*-178.73*	
26 56 13 00-0397	EA	23' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,562.08	324.54
		For Bronze Or Satin Anodized Finish, Add	*91.30*	
		For Black Anodized Finish, Add	*182.60*	
		For >10 To 20, Deduct	*-52.75*	
		For >20 To 40, Deduct	*-96.36*	
		For >40, Deduct	*-201.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0398	EA	25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,753.80	370.90
		For Bronze Or Satin Anodized Finish, Add	*101.20*	
		For Black Anodized Finish, Add	*202.40*	
		For >10 To 20, Deduct	*-59.03*	
		For >20 To 40, Deduct	*-107.93*	
		For >40, Deduct	*-225.98*	
26 56 13 00-0399	EA	23' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,810.68	324.54
		For Bronze Or Satin Anodized Finish, Add	*116.16*	
		For Black Anodized Finish, Add	*232.32*	
		For >10 To 20, Deduct	*-62.69*	
		For >20 To 40, Deduct	*-113.77*	
		For >40, Deduct	*-239.15*	
26 56 13 00-0400	EA	25' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,990.30	370.90
		For Bronze Or Satin Anodized Finish, Add	*124.85*	
		For Black Anodized Finish, Add	*249.70*	
		For >10 To 20, Deduct	*-68.49*	
		For >20 To 40, Deduct	*-124.49*	
		For >40, Deduct	*-261.46*	
26 56 13 00-0401	EA	28' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,144.46	394.08
		For Bronze Or Satin Anodized Finish, Add	*135.63*	
		For Black Anodized Finish, Add	*271.26*	
		For >10 To 20, Deduct	*-73.96*	
		For >20 To 40, Deduct	*-134.35*	
		For >40, Deduct	*-282.26*	
26 56 13 00-0402	EA	30' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,279.93	417.27
		For Bronze Or Satin Anodized Finish, Add	*144.54*	
		For Black Anodized Finish, Add	*289.08*	
		For >10 To 20, Deduct	*-78.68*	
		For >20 To 40, Deduct	*-142.90*	
		For >40, Deduct	*-300.26*	
26 56 13 00-0403	EA	33' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,409.81	428.85
		For Bronze Or Satin Anodized Finish, Add	*155.21*	
		For Black Anodized Finish, Add	*310.42*	
		For >10 To 20, Deduct	*-83.53*	
		For >20 To 40, Deduct	*-151.53*	
		For >40, Deduct	*-318.59*	
26 56 13 00-0404	EA	35' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,522.09	440.44
		For Bronze Or Satin Anodized Finish, Add	*164.12*	
		For Black Anodized Finish, Add	*328.24*	
		For >10 To 20, Deduct	*-87.67*	
		For >20 To 40, Deduct	*-158.93*	
		For >40, Deduct	*-334.27*	
26 56 13 00-0405	EA	37' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,616.78	452.04
		For Bronze Or Satin Anodized Finish, Add	*171.27*	
		For Black Anodized Finish, Add	*342.54*	
		For >10 To 20, Deduct	*-91.11*	
		For >20 To 40, Deduct	*-165.09*	
		For >40, Deduct	*-347.31*	
26 56 13 00-0406	EA	39' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,793.95	463.63
		For Bronze Or Satin Anodized Finish, Add	*186.67*	
		For Black Anodized Finish, Add	*373.34*	
		For >10 To 20, Deduct	*-97.85*	
		For >20 To 40, Deduct	*-177.03*	
		For >40, Deduct	*-372.73*	
26 56 13 00-0407	EA	28' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,619.66	394.08
		For Bronze Or Satin Anodized Finish, Add	*183.15*	
		For Black Anodized Finish, Add	*366.30*	
		For >10 To 20, Deduct	*-92.96*	
		For >20 To 40, Deduct	*-167.61*	
		For >40, Deduct	*-353.54*	
26 56 13 00-0408	EA	30' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,829.93	417.27
		For Bronze Or Satin Anodized Finish, Add	*199.54*	
		For Black Anodized Finish, Add	*399.08*	
		For >10 To 20, Deduct	*-100.68*	
		For >20 To 40, Deduct	*-181.40*	
		For >40, Deduct	*-382.76*	
26 56 13 00-0409	EA	33' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,981.81	428.85
		For Bronze Or Satin Anodized Finish, Add	*212.41*	
		For Black Anodized Finish, Add	*424.82*	
		For >10 To 20, Deduct	*-106.41*	
		For >20 To 40, Deduct	*-191.57*	
		For >40, Deduct	*-404.39*	
26 56 13 00-0410	EA	35' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,095.19	440.44
		For Bronze Or Satin Anodized Finish, Add	*221.43*	
		For Black Anodized Finish, Add	*442.86*	
		For >10 To 20, Deduct	*-110.59*	
		For >20 To 40, Deduct	*-199.05*	
		For >40, Deduct	*-420.23*	
26 56 13 00-0411	EA	37' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,154.68	452.04
		For Bronze Or Satin Anodized Finish, Add	*225.06*	
		For Black Anodized Finish, Add	*450.12*	
		For >10 To 20, Deduct	*-112.63*	
		For >20 To 40, Deduct	*-202.75*	
		For >40, Deduct	*-428.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0412	EA	39' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,350.55	463.63
		For Bronze Or Satin Anodized Finish, Add	*242.33*	
		For Black Anodized Finish, Add	*484.66*	
		For >10 To 20, Deduct	*-120.11*	
		For >20 To 40, Deduct	*-215.99*	
		For >40, Deduct	*-456.22*	
26 56 13 00-0413	EA	28' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,468.96	394.08
		For Bronze Or Satin Anodized Finish, Add	*168.08*	
		For Black Anodized Finish, Add	*336.16*	
		For >10 To 20, Deduct	*-86.94*	
		For >20 To 40, Deduct	*-157.06*	
		For >40, Deduct	*-330.94*	
26 56 13 00-0414	EA	30' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,659.43	417.27
		For Bronze Or Satin Anodized Finish, Add	*182.49*	
		For Black Anodized Finish, Add	*364.98*	
		For >10 To 20, Deduct	*-93.86*	
		For >20 To 40, Deduct	*-169.47*	
		For >40, Deduct	*-357.19*	
26 56 13 00-0415	EA	33' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,732.11	428.85
		For Bronze Or Satin Anodized Finish, Add	*187.44*	
		For Black Anodized Finish, Add	*374.88*	
		For >10 To 20, Deduct	*-96.42*	
		For >20 To 40, Deduct	*-174.09*	
		For >40, Deduct	*-366.93*	
26 56 13 00-0416	EA	35' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,931.29	440.44
		For Bronze Or Satin Anodized Finish, Add	*205.04*	
		For Black Anodized Finish, Add	*410.08*	
		For >10 To 20, Deduct	*-104.04*	
		For >20 To 40, Deduct	*-187.57*	
		For >40, Deduct	*-395.65*	
26 56 13 00-0417	EA	37' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,024.88	452.04
		For Bronze Or Satin Anodized Finish, Add	*212.08*	
		For Black Anodized Finish, Add	*424.16*	
		For >10 To 20, Deduct	*-107.43*	
		For >20 To 40, Deduct	*-193.66*	
		For >40, Deduct	*-408.53*	
26 56 13 00-0418	EA	39' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,221.85	463.63
		For Bronze Or Satin Anodized Finish, Add	*229.46*	
		For Black Anodized Finish, Add	*458.92*	
		For >10 To 20, Deduct	*-114.97*	
		For >20 To 40, Deduct	*-206.98*	
		For >40, Deduct	*-436.92*	
26 56 13 00-0419	EA	28' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,157.56	394.08
		For Bronze Or Satin Anodized Finish, Add	*236.94*	
		For Black Anodized Finish, Add	*473.88*	
		For >10 To 20, Deduct	*-114.48*	
		For >20 To 40, Deduct	*-205.27*	
		For >40, Deduct	*-434.23*	
26 56 13 00-0420	EA	30' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,338.13	417.27
		For Bronze Or Satin Anodized Finish, Add	*250.36*	
		For Black Anodized Finish, Add	*500.72*	
		For >10 To 20, Deduct	*-121.01*	
		For >20 To 40, Deduct	*-216.98*	
		For >40, Deduct	*-458.99*	
26 56 13 00-0421	EA	33' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,492.21	428.85
		For Bronze Or Satin Anodized Finish, Add	*263.45*	
		For Black Anodized Finish, Add	*526.90*	
		For >10 To 20, Deduct	*-126.82*	
		For >20 To 40, Deduct	*-227.30*	
		For >40, Deduct	*-480.95*	
26 56 13 00-0422	EA	35' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,735.39	440.44
		For Bronze Or Satin Anodized Finish, Add	*285.45*	
		For Black Anodized Finish, Add	*570.90*	
		For >10 To 20, Deduct	*-136.20*	
		For >20 To 40, Deduct	*-243.86*	
		For >40, Deduct	*-516.26*	
26 56 13 00-0423	EA	37' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,782.78	452.04
		For Bronze Or Satin Anodized Finish, Add	*287.87*	
		For Black Anodized Finish, Add	*575.74*	
		For >10 To 20, Deduct	*-137.75*	
		For >20 To 40, Deduct	*-246.71*	
		For >40, Deduct	*-522.21*	
26 56 13 00-0424	EA	39' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,024.85	463.63
		For Bronze Or Satin Anodized Finish, Add	*309.76*	
		For Black Anodized Finish, Add	*619.52*	
		For >10 To 20, Deduct	*-147.09*	
		For >20 To 40, Deduct	*-263.19*	
		For >40, Deduct	*-557.37*	
26 56 13 00-0425	EA	48' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,997.78	695.44
		For Bronze Or Satin Anodized Finish, Add	*360.69*	
		For Black Anodized Finish, Add	*721.38*	
		For >10 To 20, Deduct	*-179.05*	
		For >20 To 40, Deduct	*-322.03*	
		For >40, Deduct	*-680.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0426	EA	50' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	5,134.18	695.44
		For Bronze Or Satin Anodized Finish, Add	*374.33*	
		For Black Anodized Finish, Add	*748.66*	
		For >10 To 20, Deduct	*-184.50*	
		For >20 To 40, Deduct	*-331.58*	
		For >40, Deduct	*-700.58*	

26 56 13 00-0427 Round Tapered, Aluminum Area Light Poles, Hinged Anchor Base *(26 56 13 00-0355)*

26 56 13 00-0428	EA	8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	825.98	139.09
		For Bronze, Satin Or Black Anodized Finish, Add	*82.17*	
		For >10 To 20, Deduct	*-28.87*	
		For >20 To 40, Deduct	*-52.26*	
		For >40, Deduct	*-109.99*	
26 56 13 00-0429	EA	10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	895.44	162.27
		For Bronze, Satin Or Black Anodized Finish, Add	*85.64*	
		For >10 To 20, Deduct	*-30.95*	
		For >20 To 40, Deduct	*-56.19*	
		For >40, Deduct	*-118.09*	
26 56 13 00-0430	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	966.00	185.45
		For Bronze, Satin Or Black Anodized Finish, Add	*89.27*	
		For >10 To 20, Deduct	*-33.08*	
		For >20 To 40, Deduct	*-60.20*	
		For >40, Deduct	*-126.36*	
26 56 13 00-0431	EA	14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,038.77	208.63
		For Bronze, Satin Or Black Anodized Finish, Add	*93.23*	
		For >10 To 20, Deduct	*-35.29*	
		For >20 To 40, Deduct	*-64.37*	
		For >40, Deduct	*-134.95*	
26 56 13 00-0432	EA	16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,110.43	231.82
		For Bronze, Satin Or Black Anodized Finish, Add	*97.02*	
		For >10 To 20, Deduct	*-37.46*	
		For >20 To 40, Deduct	*-68.46*	
		For >40, Deduct	*-143.38*	
26 56 13 00-0433	EA	10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	908.64	162.27
		For Bronze, Satin Or Black Anodized Finish, Add	*87.62*	
		For >10 To 20, Deduct	*-31.48*	
		For >20 To 40, Deduct	*-57.11*	
		For >40, Deduct	*-120.07*	
26 56 13 00-0434	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	981.40	185.45
		For Bronze, Satin Or Black Anodized Finish, Add	*91.58*	
		For >10 To 20, Deduct	*-33.69*	
		For >20 To 40, Deduct	*-61.28*	
		For >40, Deduct	*-128.67*	
26 56 13 00-0435	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,056.37	208.63
		For Bronze, Satin Or Black Anodized Finish, Add	*95.87*	
		For >10 To 20, Deduct	*-36.00*	
		For >20 To 40, Deduct	*-65.60*	
		For >40, Deduct	*-137.59*	
26 56 13 00-0436	EA	16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,130.23	231.82
		For Bronze, Satin Or Black Anodized Finish, Add	*99.99*	
		For >10 To 20, Deduct	*-38.25*	
		For >20 To 40, Deduct	*-69.84*	
		For >40, Deduct	*-146.35*	
26 56 13 00-0437	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,218.39	254.99
		For Bronze, Satin Or Black Anodized Finish, Add	*106.26*	
		For >10 To 20, Deduct	*-41.09*	
		For >20 To 40, Deduct	*-75.09*	
		For >40, Deduct	*-157.26*	
26 56 13 00-0438	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,296.66	278.18
		For Bronze, Satin Or Black Anodized Finish, Add	*111.05*	
		For >10 To 20, Deduct	*-43.52*	
		For >20 To 40, Deduct	*-79.64*	
		For >40, Deduct	*-166.68*	
26 56 13 00-0439	EA	12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,024.30	185.45
		For Bronze, Satin Or Black Anodized Finish, Add	*98.01*	
		For >10 To 20, Deduct	*-35.41*	
		For >20 To 40, Deduct	*-64.28*	
		For >40, Deduct	*-135.10*	
26 56 13 00-0440	EA	14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,104.77	208.63
		For Bronze, Satin Or Black Anodized Finish, Add	*103.13*	
		For >10 To 20, Deduct	*-37.93*	
		For >20 To 40, Deduct	*-68.99*	
		For >40, Deduct	*-144.85*	
26 56 13 00-0441	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,198.43	231.82
		For Bronze, Satin Or Black Anodized Finish, Add	*110.22*	
		For >10 To 20, Deduct	*-40.98*	
		For >20 To 40, Deduct	*-74.62*	
		For >40, Deduct	*-156.58*	
26 56 13 00-0442	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,281.09	254.99
		For Bronze, Satin Or Black Anodized Finish, Add	*115.67*	
		For >10 To 20, Deduct	*-43.59*	
		For >20 To 40, Deduct	*-79.48*	
		For >40, Deduct	*-166.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0443	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,378.06	278.18
		For Bronze, Satin Or Black Anodized Finish, Add	*123.26*	
		For >10 To 20, Deduct	*-46.78*	
		For >20 To 40, Deduct	*-85.34*	
		For >40, Deduct	*-178.89*	
26 56 13 00-0444	EA	16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,261.13	231.82
		For Bronze, Satin Or Black Anodized Finish, Add	*119.63*	
		For >10 To 20, Deduct	*-43.49*	
		For >20 To 40, Deduct	*-79.01*	
		For >40, Deduct	*-165.99*	
26 56 13 00-0445	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,365.79	254.99
		For Bronze, Satin Or Black Anodized Finish, Add	*128.37*	
		For >10 To 20, Deduct	*-46.98*	
		For >20 To 40, Deduct	*-85.41*	
		For >40, Deduct	*-179.37*	
26 56 13 00-0446	EA	20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,446.26	278.18
		For Bronze, Satin Or Black Anodized Finish, Add	*133.49*	
		For >10 To 20, Deduct	*-49.51*	
		For >20 To 40, Deduct	*-90.11*	
		For >40, Deduct	*-189.12*	
26 56 13 00-0447	EA	12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,058.40	185.45
		For Bronze, Satin Or Black Anodized Finish, Add	*103.13*	
		For >10 To 20, Deduct	*-36.77*	
		For >20 To 40, Deduct	*-66.67*	
		For >40, Deduct	*-140.22*	
26 56 13 00-0448	EA	14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,156.47	208.63
		For Bronze, Satin Or Black Anodized Finish, Add	*110.88*	
		For >10 To 20, Deduct	*-40.00*	
		For >20 To 40, Deduct	*-72.61*	
		For >40, Deduct	*-152.61*	
26 56 13 00-0449	EA	16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,261.13	231.82
		For Bronze, Satin Or Black Anodized Finish, Add	*119.63*	
		For >10 To 20, Deduct	*-43.49*	
		For >20 To 40, Deduct	*-79.01*	
		For >40, Deduct	*-165.99*	
26 56 13 00-0450	EA	18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,352.59	254.99
		For Bronze, Satin Or Black Anodized Finish, Add	*126.39*	
		For >10 To 20, Deduct	*-46.45*	
		For >20 To 40, Deduct	*-84.48*	
		For >40, Deduct	*-177.39*	
26 56 13 00-0451	EA	20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,451.76	278.18
		For Bronze, Satin Or Black Anodized Finish, Add	*134.31*	
		For >10 To 20, Deduct	*-49.73*	
		For >20 To 40, Deduct	*-90.50*	
		For >40, Deduct	*-189.95*	
26 56 13 00-0452	EA	16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,332.63	231.82
		For Bronze, Satin Or Black Anodized Finish, Add	*130.35*	
		For >10 To 20, Deduct	*-46.35*	
		For >20 To 40, Deduct	*-84.01*	
		For >40, Deduct	*-176.71*	
26 56 13 00-0453	EA	18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,446.09	254.99
		For Bronze, Satin Or Black Anodized Finish, Add	*140.42*	
		For >10 To 20, Deduct	*-50.19*	
		For >20 To 40, Deduct	*-91.03*	
		For >40, Deduct	*-191.41*	
26 56 13 00-0454	EA	20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,532.06	278.18
		For Bronze, Satin Or Black Anodized Finish, Add	*146.36*	
		For >10 To 20, Deduct	*-52.94*	
		For >20 To 40, Deduct	*-96.12*	
		For >40, Deduct	*-201.99*	

26 56 13 00-0455 Round Tapered, Aluminum Area Light Poles, Direct Burial *(26 56 13 00-0355)*

Note: Includes rubberized undercoating on embedded portion.

26 56 13 00-0456	EA	8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	557.42	115.90
		For Bronze Or Satin Anodized Finish, Add	*32.56*	
		For Black Anodized Finish, Add	*65.12*	
		For >10 To 20, Deduct	*-18.82*	
		For >20 To 40, Deduct	*-34.38*	
		For >40, Deduct	*-72.02*	
26 56 13 00-0457	EA	10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	588.22	115.90
		For Bronze Or Satin Anodized Finish, Add	*35.64*	
		For Black Anodized Finish, Add	*71.28*	
		For >10 To 20, Deduct	*-20.05*	
		For >20 To 40, Deduct	*-36.54*	
		For >40, Deduct	*-76.64*	
26 56 13 00-0458	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	636.69	127.50
		For Bronze Or Satin Anodized Finish, Add	*38.17*	
		For Black Anodized Finish, Add	*76.34*	
		For >10 To 20, Deduct	*-21.64*	
		For >20 To 40, Deduct	*-39.47*	
		For >40, Deduct	*-82.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0459	EA	14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	677.48	139.09
		For Bronze Or Satin Anodized Finish, Add	*39.93*	
		For Black Anodized Finish, Add	*79.86*	
		For >10 To 20, Deduct	*-22.93*	
		For >20 To 40, Deduct	*-41.86*	
		For >40, Deduct	*-87.71*	
26 56 13 00-0460	EA	16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	717.08	139.09
		For Bronze Or Satin Anodized Finish, Add	*43.89*	
		For Black Anodized Finish, Add	*87.78*	
		For >10 To 20, Deduct	*-24.51*	
		For >20 To 40, Deduct	*-44.63*	
		For >40, Deduct	*-93.65*	
26 56 13 00-0461	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	666.39	127.50
		For Bronze Or Satin Anodized Finish, Add	*41.14*	
		For Black Anodized Finish, Add	*82.28*	
		For >10 To 20, Deduct	*-22.83*	
		For >20 To 40, Deduct	*-41.55*	
		For >40, Deduct	*-87.21*	
26 56 13 00-0462	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	720.38	139.09
		For Bronze Or Satin Anodized Finish, Add	*44.22*	
		For Black Anodized Finish, Add	*88.44*	
		For >10 To 20, Deduct	*-24.64*	
		For >20 To 40, Deduct	*-44.86*	
		For >40, Deduct	*-94.15*	
26 56 13 00-0463	EA	16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	742.38	139.09
		For Bronze Or Satin Anodized Finish, Add	*46.42*	
		For Black Anodized Finish, Add	*92.84*	
		For >10 To 20, Deduct	*-25.52*	
		For >20 To 40, Deduct	*-46.40*	
		For >40, Deduct	*-97.45*	
26 56 13 00-0464	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	800.76	150.68
		For Bronze Or Satin Anodized Finish, Add	*49.94*	
		For Black Anodized Finish, Add	*99.88*	
		For >10 To 20, Deduct	*-27.51*	
		For >20 To 40, Deduct	*-50.03*	
		For >40, Deduct	*-105.05*	
26 56 13 00-0465	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	854.74	162.27
		For Bronze Or Satin Anodized Finish, Add	*53.02*	
		For Black Anodized Finish, Add	*106.04*	
		For >10 To 20, Deduct	*-29.32*	
		For >20 To 40, Deduct	*-53.34*	
		For >40, Deduct	*-111.98*	
26 56 13 00-0466	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	806.18	139.09
		For Bronze Or Satin Anodized Finish, Add	*52.80*	
		For Black Anodized Finish, Add	*105.60*	
		For >10 To 20, Deduct	*-28.07*	
		For >20 To 40, Deduct	*-50.87*	
		For >40, Deduct	*-107.02*	
26 56 13 00-0467	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	871.16	150.68
		For Bronze Or Satin Anodized Finish, Add	*56.98*	
		For Black Anodized Finish, Add	*113.96*	
		For >10 To 20, Deduct	*-30.33*	
		For >20 To 40, Deduct	*-54.95*	
		For >40, Deduct	*-115.61*	
26 56 13 00-0468	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	930.64	162.27
		For Bronze Or Satin Anodized Finish, Add	*60.61*	
		For Black Anodized Finish, Add	*121.22*	
		For >10 To 20, Deduct	*-32.36*	
		For >20 To 40, Deduct	*-58.65*	
		For >40, Deduct	*-123.37*	
26 56 13 00-0469	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	961.36	150.68
		For Bronze Or Satin Anodized Finish, Add	*66.00*	
		For Black Anodized Finish, Add	*132.00*	
		For >10 To 20, Deduct	*-33.93*	
		For >20 To 40, Deduct	*-61.27*	
		For >40, Deduct	*-129.14*	
26 56 13 00-0470	EA	25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,236.60	185.45
		For Bronze Or Satin Anodized Finish, Add	*86.57*	
		For Black Anodized Finish, Add	*173.14*	
		For >10 To 20, Deduct	*-43.90*	
		For >20 To 40, Deduct	*-79.14*	
		For >40, Deduct	*-166.95*	
26 56 13 00-0471	EA	25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,360.90	185.45
		For Bronze Or Satin Anodized Finish, Add	*99.00*	
		For Black Anodized Finish, Add	*198.00*	
		For >10 To 20, Deduct	*-48.87*	
		For >20 To 40, Deduct	*-87.85*	
		For >40, Deduct	*-185.59*	
26 56 13 00-0472	EA	30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,513.97	208.63
		For Bronze Or Satin Anodized Finish, Add	*109.67*	
		For Black Anodized Finish, Add	*219.34*	
		For >10 To 20, Deduct	*-54.30*	
		For >20 To 40, Deduct	*-97.63*	
		For >40, Deduct	*-206.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0473	EA	30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,649.27	208.63
		For Bronze Or Satin Anodized Finish, Add	*123.20*	
		For Black Anodized Finish, Add	*246.40*	
		For >10 To 20, Deduct	*-59.71*	
		For >20 To 40, Deduct	*-107.10*	
		For >40, Deduct	*-226.53*	

26 56 13 00-0474 Square Straight, Aluminum Area Light Poles *(26 56 13 00-0295)*

26 56 13 00-0475 Square Straight, Aluminum Area Light Poles, Anchor Base *(26 56 13 00-0474)*

26 56 13 00-0476	EA	8' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	732.48	139.09
		For Bronze Or Satin Anodized Finish, Add	*45.43*	
		For Black Anodized Finish, Add	*90.86*	
		For >10 To 20, Deduct	*-25.13*	
		For >20 To 40, Deduct	*-45.71*	
		For >40, Deduct	*-95.96*	
26 56 13 00-0477	EA	10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	801.94	162.27
		For Bronze Or Satin Anodized Finish, Add	*47.74*	
		For Black Anodized Finish, Add	*95.48*	
		For >10 To 20, Deduct	*-27.21*	
		For >20 To 40, Deduct	*-49.65*	
		For >40, Deduct	*-104.06*	
26 56 13 00-0478	EA	12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	880.20	185.45
		For Bronze Or Satin Anodized Finish, Add	*50.93*	
		For Black Anodized Finish, Add	*101.86*	
		For >10 To 20, Deduct	*-29.64*	
		For >20 To 40, Deduct	*-54.20*	
		For >40, Deduct	*-113.49*	
26 56 13 00-0479	EA	14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	957.37	208.63
		For Bronze Or Satin Anodized Finish, Add	*54.01*	
		For Black Anodized Finish, Add	*108.02*	
		For >10 To 20, Deduct	*-32.04*	
		For >20 To 40, Deduct	*-58.67*	
		For >40, Deduct	*-122.74*	
26 56 13 00-0480	EA	15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,000.34	220.22
		For Bronze Or Satin Anodized Finish, Add	*55.99*	
		For Black Anodized Finish, Add	*111.98*	
		For >10 To 20, Deduct	*-33.41*	
		For >20 To 40, Deduct	*-61.22*	
		For >40, Deduct	*-128.03*	
26 56 13 00-0481	EA	16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,043.33	231.82
		For Bronze Or Satin Anodized Finish, Add	*57.97*	
		For Black Anodized Finish, Add	*115.94*	
		For >10 To 20, Deduct	*-34.78*	
		For >20 To 40, Deduct	*-63.76*	
		For >40, Deduct	*-133.32*	
26 56 13 00-0482	EA	18' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,127.09	254.99
		For Bronze Or Satin Anodized Finish, Add	*61.71*	
		For Black Anodized Finish, Add	*123.42*	
		For >10 To 20, Deduct	*-37.43*	
		For >20 To 40, Deduct	*-68.70*	
		For >40, Deduct	*-143.56*	
26 56 13 00-0483	EA	20' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,220.76	278.18
		For Bronze Or Satin Anodized Finish, Add	*66.44*	
		For Black Anodized Finish, Add	*132.88*	
		For >10 To 20, Deduct	*-40.49*	
		For >20 To 40, Deduct	*-74.33*	
		For >40, Deduct	*-155.30*	
26 56 13 00-0484	EA	16' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,119.23	231.82
		For Bronze Or Satin Anodized Finish, Add	*65.56*	
		For Black Anodized Finish, Add	*131.12*	
		For >10 To 20, Deduct	*-37.81*	
		For >20 To 40, Deduct	*-69.07*	
		For >40, Deduct	*-144.70*	
26 56 13 00-0485	EA	18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,205.19	254.99
		For Bronze Or Satin Anodized Finish, Add	*69.52*	
		For Black Anodized Finish, Add	*139.04*	
		For >10 To 20, Deduct	*-40.56*	
		For >20 To 40, Deduct	*-74.16*	
		For >40, Deduct	*-155.28*	
26 56 13 00-0486	EA	20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,305.46	278.18
		For Bronze Or Satin Anodized Finish, Add	*74.91*	
		For Black Anodized Finish, Add	*149.82*	
		For >10 To 20, Deduct	*-43.87*	
		For >20 To 40, Deduct	*-80.26*	
		For >40, Deduct	*-168.00*	
26 56 13 00-0487	EA	15' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,330.34	220.22
		For Bronze Or Satin Anodized Finish, Add	*88.99*	
		For Black Anodized Finish, Add	*177.98*	
		For >10 To 20, Deduct	*-46.61*	
		For >20 To 40, Deduct	*-84.32*	
		For >40, Deduct	*-177.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0488	EA	20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,621.16	278.18
		For Bronze Or Satin Anodized Finish, Add	*106.48*	
		For Black Anodized Finish, Add	*212.96*	
		For >10 To 20, Deduct	*-56.50*	
		For >20 To 40, Deduct	*-102.35*	
		For >40, Deduct	*-215.36*	
26 56 13 00-0489	EA	25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,944.10	370.90
		For Bronze Or Satin Anodized Finish, Add	*120.23*	
		For Black Anodized Finish, Add	*240.46*	
		For >10 To 20, Deduct	*-66.64*	
		For >20 To 40, Deduct	*-121.25*	
		For >40, Deduct	*-254.53*	
26 56 13 00-0490	EA	20' High, 4" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	1,373.66	278.18
		For Bronze Or Satin Anodized Finish, Add	*81.73*	
		For Black Anodized Finish, Add	*163.46*	
		For >10 To 20, Deduct	*-46.60*	
		For >20 To 40, Deduct	*-85.03*	
		For >40, Deduct	*-178.23*	
26 56 13 00-0491	EA	20' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	1,754.26	278.18
		For Bronze Or Satin Anodized Finish, Add	*119.79*	
		For Black Anodized Finish, Add	*239.58*	
		For >10 To 20, Deduct	*-61.83*	
		For >20 To 40, Deduct	*-111.67*	
		For >40, Deduct	*-235.32*	
26 56 13 00-0492	EA	25' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,065.10	370.90
		For Bronze Or Satin Anodized Finish, Add	*132.33*	
		For Black Anodized Finish, Add	*264.66*	
		For >10 To 20, Deduct	*-71.48*	
		For >20 To 40, Deduct	*-129.72*	
		For >40, Deduct	*-272.68*	
26 56 13 00-0493	EA	20' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	1,963.26	278.18
		For Bronze Or Satin Anodized Finish, Add	*140.69*	
		For Black Anodized Finish, Add	*281.38*	
		For >10 To 20, Deduct	*-70.19*	
		For >20 To 40, Deduct	*-126.30*	
		For >40, Deduct	*-266.67*	
26 56 13 00-0494	EA	25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,337.90	370.90
		For Bronze Or Satin Anodized Finish, Add	*159.61*	
		For Black Anodized Finish, Add	*319.22*	
		For >10 To 20, Deduct	*-82.39*	
		For >20 To 40, Deduct	*-148.82*	
		For >40, Deduct	*-313.60*	
26 56 13 00-0495	EA	30' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,714.43	417.27
		For Bronze Or Satin Anodized Finish, Add	*187.99*	
		For Black Anodized Finish, Add	*375.98*	
		For >10 To 20, Deduct	*-96.06*	
		For >20 To 40, Deduct	*-173.32*	
		For >40, Deduct	*-365.44*	

26 56 13 00-0496 Square Straight, Aluminum Area Light Poles, Direct Burial *(26 56 13 00-0474)*

Note: Includes rubberized undercoating on embedded portion.

26 56 13 00-0497	EA	10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	665.22	115.90
		For Bronze Or Satin Anodized Finish, Add	*43.34*	
		For Black Anodized Finish, Add	*86.68*	
		For >10 To 20, Deduct	*-23.13*	
		For >20 To 40, Deduct	*-41.93*	
		For >40, Deduct	*-88.19*	
26 56 13 00-0498	EA	12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	744.49	127.50
		For Bronze Or Satin Anodized Finish, Add	*48.95*	
		For Black Anodized Finish, Add	*97.90*	
		For >10 To 20, Deduct	*-25.95*	
		For >20 To 40, Deduct	*-47.01*	
		For >40, Deduct	*-98.92*	
26 56 13 00-0499	EA	14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	790.78	139.09
		For Bronze Or Satin Anodized Finish, Add	*51.26*	
		For Black Anodized Finish, Add	*102.52*	
		For >10 To 20, Deduct	*-27.46*	
		For >20 To 40, Deduct	*-49.79*	
		For >40, Deduct	*-104.71*	
26 56 13 00-0500	EA	15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	818.28	139.09
		For Bronze Or Satin Anodized Finish, Add	*54.01*	
		For Black Anodized Finish, Add	*108.02*	
		For >10 To 20, Deduct	*-28.56*	
		For >20 To 40, Deduct	*-51.72*	
		For >40, Deduct	*-108.83*	
26 56 13 00-0501	EA	16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	852.38	139.09
		For Bronze Or Satin Anodized Finish, Add	*57.42*	
		For Black Anodized Finish, Add	*114.84*	
		For >10 To 20, Deduct	*-29.92*	
		For >20 To 40, Deduct	*-54.10*	
		For >40, Deduct	*-113.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0502	EA	18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	992.16	150.68
		For Bronze Or Satin Anodized Finish, Add	*69.08*	
		For Black Anodized Finish, Add	*138.16*	
		For >10 To 20, Deduct	*-35.17*	
		For >20 To 40, Deduct	*-63.42*	
		For >40, Deduct	*-133.76*	
26 56 13 00-0503	EA	20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,062.64	162.27
		For Bronze Or Satin Anodized Finish, Add	*73.81*	
		For Black Anodized Finish, Add	*147.62*	
		For >10 To 20, Deduct	*-37.64*	
		For >20 To 40, Deduct	*-67.89*	
		For >40, Deduct	*-143.17*	
26 56 13 00-0504	EA	20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,235.34	162.27
		For Bronze Or Satin Anodized Finish, Add	*91.08*	
		For Black Anodized Finish, Add	*182.16*	
		For >10 To 20, Deduct	*-44.55*	
		For >20 To 40, Deduct	*-79.98*	
		For >40, Deduct	*-169.07*	
26 56 13 00-0505	EA	25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,420.30	185.45
		For Bronze Or Satin Anodized Finish, Add	*104.94*	
		For Black Anodized Finish, Add	*209.88*	
		For >10 To 20, Deduct	*-51.25*	
		For >20 To 40, Deduct	*-92.00*	
		For >40, Deduct	*-194.50*	
26 56 13 00-0506	EA	25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Direct Burial	1,806.40	185.45
		For Bronze Or Satin Anodized Finish, Add	*143.55*	
		For Black Anodized Finish, Add	*287.10*	
		For >10 To 20, Deduct	*-66.69*	
		For >20 To 40, Deduct	*-119.03*	
		For >40, Deduct	*-252.42*	

26 56 13 00-0507 Factory Accessories For Aluminum Area Light Poles *(26 56 13 00-0295)*

26 56 13 00-0508	EA	1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Aluminum Area Light Poles	39.00
26 56 13 00-0509	EA	Extra Handhole For Aluminum Area Light Poles	41.00
26 56 13 00-0510	EA	Festoon Outlet Provision For Aluminum Area Light Poles Note: Excludes electrical outlet.	42.00
26 56 13 00-0511	EA	Vibration Dampener For Aluminum Area Light Poles	59.00

26 56 13 00-0512 Fiberglass Area Light Poles *(26 56 13 00-0177)*

Note: Includes UV resistant textured weave finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions and tenon top.

26 56 13 00-0513 Round Tapered, Fiberglass Area Light Poles *(26 56 13 00-0512)*

26 56 13 00-0514 Round Tapered, Fiberglass Area Light Poles, Anchor Base *(26 56 13 00-0513)*

26 56 13 00-0515	EA	10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	971.34	162.27
		For >10 To 20, Deduct	*-33.99*	
		For >20 To 40, Deduct	*-61.50*	
		For >40, Deduct	*-129.47*	
26 56 13 00-0516	EA	12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,056.20	185.45
		For >10 To 20, Deduct	*-36.68*	
		For >20 To 40, Deduct	*-66.52*	
		For >40, Deduct	*-139.89*	
26 56 13 00-0517	EA	14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,142.17	208.63
		For >10 To 20, Deduct	*-39.43*	
		For >20 To 40, Deduct	*-71.61*	
		For >40, Deduct	*-150.46*	
26 56 13 00-0518	EA	16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,227.03	231.82
		For >10 To 20, Deduct	*-42.13*	
		For >20 To 40, Deduct	*-76.62*	
		For >40, Deduct	*-160.87*	
26 56 13 00-0519	EA	18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,331.69	254.99
		For >10 To 20, Deduct	*-45.62*	
		For >20 To 40, Deduct	*-83.02*	
		For >40, Deduct	*-174.25*	
26 56 13 00-0520	EA	20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,418.76	278.18
		For >10 To 20, Deduct	*-48.41*	
		For >20 To 40, Deduct	*-88.19*	
		For >40, Deduct	*-185.00*	
26 56 13 00-0521	EA	22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,551.08	324.54
		For >10 To 20, Deduct	*-52.31*	
		For >20 To 40, Deduct	*-95.59*	
		For >40, Deduct	*-200.21*	
26 56 13 00-0522	EA	24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,682.30	370.90
		For >10 To 20, Deduct	*-56.17*	
		For >20 To 40, Deduct	*-102.93*	
		For >40, Deduct	*-215.26*	
26 56 13 00-0523	EA	26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,771.40	370.90
		For >10 To 20, Deduct	*-59.73*	
		For >20 To 40, Deduct	*-109.16*	
		For >40, Deduct	*-228.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0524	EA	28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,895.86	394.08
		For >10 To 20, Deduct	*-64.01*	
		For >20 To 40, Deduct	*-116.95*	
		For >40, Deduct	*-244.97*	
26 56 13 00-0525	EA	30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,020.33	417.27
		For >10 To 20, Deduct	*-68.30*	
		For >20 To 40, Deduct	*-124.73*	
		For >40, Deduct	*-261.32*	
26 56 13 00-0526	EA	10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,072.54	162.27
		For >10 To 20, Deduct	*-38.03*	
		For >20 To 40, Deduct	*-68.59*	
		For >40, Deduct	*-144.65*	
26 56 13 00-0527	EA	12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,137.60	185.45
		For >10 To 20, Deduct	*-39.94*	
		For >20 To 40, Deduct	*-72.21*	
		For >40, Deduct	*-152.10*	
26 56 13 00-0528	EA	14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,203.77	208.63
		For >10 To 20, Deduct	*-41.89*	
		For >20 To 40, Deduct	*-75.92*	
		For >40, Deduct	*-159.70*	
26 56 13 00-0529	EA	16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,272.13	231.82
		For >10 To 20, Deduct	*-43.93*	
		For >20 To 40, Deduct	*-79.78*	
		For >40, Deduct	*-167.64*	
26 56 13 00-0530	EA	18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,345.99	254.99
		For >10 To 20, Deduct	*-46.19*	
		For >20 To 40, Deduct	*-84.02*	
		For >40, Deduct	*-176.40*	
26 56 13 00-0531	EA	20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,418.76	278.18
		For >10 To 20, Deduct	*-48.41*	
		For >20 To 40, Deduct	*-88.19*	
		For >40, Deduct	*-185.00*	
26 56 13 00-0532	EA	22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,537.88	324.54
		For >10 To 20, Deduct	*-51.78*	
		For >20 To 40, Deduct	*-94.67*	
		For >40, Deduct	*-198.23*	
26 56 13 00-0533	EA	24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,682.30	370.90
		For >10 To 20, Deduct	*-56.17*	
		For >20 To 40, Deduct	*-102.93*	
		For >40, Deduct	*-215.26*	
26 56 13 00-0534	EA	26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,719.70	370.90
		For >10 To 20, Deduct	*-57.66*	
		For >20 To 40, Deduct	*-105.54*	
		For >40, Deduct	*-220.87*	
26 56 13 00-0535	EA	28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,804.56	394.08
		For >10 To 20, Deduct	*-60.36*	
		For >20 To 40, Deduct	*-110.56*	
		For >40, Deduct	*-231.28*	
26 56 13 00-0536	EA	30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,889.43	417.27
		For >10 To 20, Deduct	*-63.06*	
		For >20 To 40, Deduct	*-115.57*	
		For >40, Deduct	*-241.69*	
26 56 13 00-0537	EA	10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,221.04	162.27
		For >10 To 20, Deduct	*-43.97*	
		For >20 To 40, Deduct	*-78.98*	
		For >40, Deduct	*-166.93*	
26 56 13 00-0538	EA	12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,301.50	185.45
		For >10 To 20, Deduct	*-46.50*	
		For >20 To 40, Deduct	*-83.69*	
		For >40, Deduct	*-176.68*	
26 56 13 00-0539	EA	14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,381.97	208.63
		For >10 To 20, Deduct	*-49.02*	
		For >20 To 40, Deduct	*-88.39*	
		For >40, Deduct	*-186.43*	
26 56 13 00-0540	EA	16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,463.53	231.82
		For >10 To 20, Deduct	*-51.59*	
		For >20 To 40, Deduct	*-93.17*	
		For >40, Deduct	*-196.35*	
26 56 13 00-0541	EA	18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,549.49	254.99
		For >10 To 20, Deduct	*-54.33*	
		For >20 To 40, Deduct	*-98.26*	
		For >40, Deduct	*-206.92*	
26 56 13 00-0542	EA	20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,642.06	278.18
		For >10 To 20, Deduct	*-57.34*	
		For >20 To 40, Deduct	*-103.82*	
		For >40, Deduct	*-218.49*	
26 56 13 00-0543	EA	22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,790.88	324.54
		For >10 To 20, Deduct	*-61.90*	
		For >20 To 40, Deduct	*-112.38*	
		For >40, Deduct	*-236.18*	
26 56 13 00-0544	EA	24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,940.80	370.90
		For >10 To 20, Deduct	*-66.51*	
		For >20 To 40, Deduct	*-121.02*	
		For >40, Deduct	*-254.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0545	EA	26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,998.00	370.90
		For >10 To 20, Deduct	*-68.79*	
		For >20 To 40, Deduct	*-125.02*	
		For >40, Deduct	*-262.61*	
26 56 13 00-0546	EA	28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,134.56	394.08
		For >10 To 20, Deduct	*-73.56*	
		For >20 To 40, Deduct	*-133.66*	
		For >40, Deduct	*-280.78*	
26 56 13 00-0547	EA	30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,245.83	417.27
		For >10 To 20, Deduct	*-77.32*	
		For >20 To 40, Deduct	*-140.52*	
		For >40, Deduct	*-295.15*	
26 56 13 00-0548	EA	32' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,333.91	428.85
		For >10 To 20, Deduct	*-80.49*	
		For >20 To 40, Deduct	*-146.22*	
		For >40, Deduct	*-307.20*	
26 56 13 00-0549	EA	34' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,421.99	440.44
		For >10 To 20, Deduct	*-83.67*	
		For >20 To 40, Deduct	*-151.92*	
		For >40, Deduct	*-319.25*	

26 56 13 00-0550 Round Tapered, Fiberglass Area Light Poles, Direct Burial *(26 56 13 00-0513)*

26 56 13 00-0551	EA	10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	601.42	115.90
		For >10 To 20, Deduct	*-20.58*	
		For >20 To 40, Deduct	*-37.46*	
		For >40, Deduct	*-78.62*	
26 56 13 00-0552	EA	12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	645.49	127.50
		For >10 To 20, Deduct	*-21.99*	
		For >20 To 40, Deduct	*-40.08*	
		For >40, Deduct	*-84.07*	
26 56 13 00-0553	EA	14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	688.48	139.09
		For >10 To 20, Deduct	*-23.37*	
		For >20 To 40, Deduct	*-42.63*	
		For >40, Deduct	*-89.36*	
26 56 13 00-0554	EA	16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	707.18	139.09
		For >10 To 20, Deduct	*-24.11*	
		For >20 To 40, Deduct	*-43.94*	
		For >40, Deduct	*-92.17*	
26 56 13 00-0555	EA	18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	761.16	150.68
		For >10 To 20, Deduct	*-25.93*	
		For >20 To 40, Deduct	*-47.25*	
		For >40, Deduct	*-99.11*	
26 56 13 00-0556	EA	20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	806.34	162.27
		For >10 To 20, Deduct	*-27.39*	
		For >20 To 40, Deduct	*-49.95*	
		For >40, Deduct	*-104.72*	
26 56 13 00-0557	EA	22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	854.82	173.86
		For >10 To 20, Deduct	*-28.98*	
		For >20 To 40, Deduct	*-52.88*	
		For >40, Deduct	*-110.84*	
26 56 13 00-0558	EA	24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	908.80	185.45
		For >10 To 20, Deduct	*-30.79*	
		For >20 To 40, Deduct	*-56.20*	
		For >40, Deduct	*-117.78*	
26 56 13 00-0559	EA	26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,014.40	185.45
		For >10 To 20, Deduct	*-35.01*	
		For >20 To 40, Deduct	*-63.59*	
		For >40, Deduct	*-133.62*	
26 56 13 00-0560	EA	28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,143.18	197.05
		For >10 To 20, Deduct	*-39.82*	
		For >20 To 40, Deduct	*-72.14*	
		For >40, Deduct	*-151.77*	
26 56 13 00-0561	EA	30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,271.97	208.63
		For >10 To 20, Deduct	*-44.62*	
		For >20 To 40, Deduct	*-80.69*	
		For >40, Deduct	*-169.93*	
26 56 13 00-0562	EA	10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	702.62	115.90
		For >10 To 20, Deduct	*-24.63*	
		For >20 To 40, Deduct	*-44.55*	
		For >40, Deduct	*-93.80*	
26 56 13 00-0563	EA	12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	752.19	127.50
		For >10 To 20, Deduct	*-26.26*	
		For >20 To 40, Deduct	*-47.55*	
		For >40, Deduct	*-100.08*	
26 56 13 00-0564	EA	14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	801.78	139.09
		For >10 To 20, Deduct	*-27.90*	
		For >20 To 40, Deduct	*-50.56*	
		For >40, Deduct	*-106.36*	
26 56 13 00-0565	EA	16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	829.28	139.09
		For >10 To 20, Deduct	*-29.00*	
		For >20 To 40, Deduct	*-52.49*	
		For >40, Deduct	*-110.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0566	EA	18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	878.86	150.68
		For >10 To 20, Deduct	*-30.63*	
		For >20 To 40, Deduct	*-55.49*	
		For >40, Deduct	*-116.76*	
26 56 13 00-0567	EA	20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	928.44	162.27
		For >10 To 20, Deduct	*-32.27*	
		For >20 To 40, Deduct	*-58.50*	
		For >40, Deduct	*-123.04*	
26 56 13 00-0568	EA	22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	978.02	173.86
		For >10 To 20, Deduct	*-33.91*	
		For >20 To 40, Deduct	*-61.51*	
		For >40, Deduct	*-129.32*	
26 56 13 00-0569	EA	24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,052.90	185.45
		For >10 To 20, Deduct	*-36.55*	
		For >20 To 40, Deduct	*-66.29*	
		For >40, Deduct	*-139.39*	
26 56 13 00-0570	EA	26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,155.20	185.45
		For >10 To 20, Deduct	*-40.64*	
		For >20 To 40, Deduct	*-73.45*	
		For >40, Deduct	*-154.74*	
26 56 13 00-0571	EA	28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,281.78	197.05
		For >10 To 20, Deduct	*-45.36*	
		For >20 To 40, Deduct	*-81.84*	
		For >40, Deduct	*-172.56*	
26 56 13 00-0572	EA	30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,407.27	208.63
		For >10 To 20, Deduct	*-50.03*	
		For >20 To 40, Deduct	*-90.16*	
		For >40, Deduct	*-190.23*	
26 56 13 00-0573	EA	10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	791.72	115.90
		For >10 To 20, Deduct	*-28.19*	
		For >20 To 40, Deduct	*-50.78*	
		For >40, Deduct	*-107.17*	
26 56 13 00-0574	EA	12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	834.69	127.50
		For >10 To 20, Deduct	*-29.56*	
		For >20 To 40, Deduct	*-53.33*	
		For >40, Deduct	*-112.45*	
26 56 13 00-0575	EA	14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	876.58	139.09
		For >10 To 20, Deduct	*-30.89*	
		For >20 To 40, Deduct	*-55.80*	
		For >40, Deduct	*-117.58*	
26 56 13 00-0576	EA	16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	895.28	139.09
		For >10 To 20, Deduct	*-31.64*	
		For >20 To 40, Deduct	*-57.11*	
		For >40, Deduct	*-120.38*	
26 56 13 00-0577	EA	18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	937.16	150.68
		For >10 To 20, Deduct	*-32.97*	
		For >20 To 40, Deduct	*-59.57*	
		For >40, Deduct	*-125.51*	
26 56 13 00-0578	EA	20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	980.14	162.27
		For >10 To 20, Deduct	*-34.34*	
		For >20 To 40, Deduct	*-62.12*	
		For >40, Deduct	*-130.79*	
26 56 13 00-0579	EA	22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,060.52	173.86
		For >10 To 20, Deduct	*-37.21*	
		For >20 To 40, Deduct	*-67.28*	
		For >40, Deduct	*-141.69*	
26 56 13 00-0580	EA	24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,154.10	185.45
		For >10 To 20, Deduct	*-40.60*	
		For >20 To 40, Deduct	*-73.37*	
		For >40, Deduct	*-154.57*	
26 56 13 00-0581	EA	26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,217.90	185.45
		For >10 To 20, Deduct	*-43.15*	
		For >20 To 40, Deduct	*-77.84*	
		For >40, Deduct	*-164.14*	
26 56 13 00-0582	EA	28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,305.98	197.05
		For >10 To 20, Deduct	*-46.33*	
		For >20 To 40, Deduct	*-83.54*	
		For >40, Deduct	*-176.19*	
26 56 13 00-0583	EA	30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,394.07	208.63
		For >10 To 20, Deduct	*-49.50*	
		For >20 To 40, Deduct	*-89.24*	
		For >40, Deduct	*-188.25*	

26 56 13 00-0584 Factory Accessories For Fiberglass Area Light Poles *(26 56 13 00-0512)*

26 56 13 00-0585	EA	Open Or Capped Top For Fiberglass Area Light Poles	39.00
26 56 13 00-0586	EA	Factory Side Drilling Up To Four Fixtures On Fiberglass Area Light Poles	39.00
26 56 13 00-0587	EA	Smooth Shaft Finish For Fiberglass Area Light Poles	74.00
26 56 13 00-0588	EA	Festoon Outlet Provision For Fiberglass Area Light Poles Note: Excludes electrical outlet.	78.00
26 56 13 00-0589	EA	Vibration Dampener For Fiberglass Area Light Poles	98.00

26 56 13 00-0590 Concrete Area Light Poles *(26 56 13 00-0177)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0591		Octagonal Tapered, Spun Concrete Area Light Poles, Anchor Base *(26 56 13 00-0590)*		
26 56 13 00-0592	EA	28' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	1,580.37	394.08
26 56 13 00-0593	EA	30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	1,666.35	417.27
26 56 13 00-0594	EA	33' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	1,728.23	428.85
26 56 13 00-0595	EA	36' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,141.80	440.44
26 56 13 00-0596	EA	38' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,377.29	463.63
26 56 13 00-0597	EA	43' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,944.63	602.72
26 56 13 00-0598	EA	47' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	3,529.17	741.80
26 56 13 00-0599	EA	27' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base Note: Polished brown with acrylic coating finish.	3,396.40	394.08
26 56 13 00-0600	EA	30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base Note: Polished brown with acrylic coating finish.	3,917.01	417.27
26 56 13 00-0601	EA	Pole Adapter Base Plate, Galvanized Steel, 1" Thick For Adapting Up To 40'	408.45	139.09
26 56 13 00-0602	EA	13' High Concrete Octagonal Area Light Pole, Pink With Acrylic Coating, Finish Design	2,035.02	278.08
26 56 13 00-0603	EA	Pole Base Cover For All Octagon Poles	158.96	56.74
26 56 13 00-0604	EA	Pole Arms 24" Long, Square, 250 Watt Fixture, Dark, Architectural Bronze	324.96	113.50
26 56 13 00-0605		Tapered, Spun Concrete Area Light Poles, Direct Burial *(26 56 13 00-0590)* Note: Round or square.		
26 56 13 00-0606	EA	13' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	1,679.54	185.45
26 56 13 00-0607	EA	16' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	1,899.55	231.82
26 56 13 00-0608	EA	18' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	2,099.22	278.18
26 56 13 00-0609	EA	30' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	2,927.25	417.27
26 56 13 00-0610	EA	35' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	3,372.46	440.44
26 56 13 00-0611	EA	40' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	3,853.71	463.63
26 56 13 00-0612	EA	45' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	4,472.34	602.72
26 56 13 00-0613		Round Tapered, Spun Concrete Area Light Poles, Direct Burial *(26 56 13 00-0590)*		
26 56 13 00-0614	EA	60' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 60 9-22)	9,763.91	1,043.16
26 56 13 00-0615	EA	70' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 70 9-24)	11,609.57	1,273.05
26 56 13 00-0616	EA	80' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C1 80 9-26)	13,808.25	1,719.74
26 56 13 00-0617		Treated Wood Area Light Poles *(26 56 13 00-0177)* See CSI section 26 05 46 00-0001 for wood poles.		
26 56 13 00-0618		Cast Iron Decorative Light Posts *(26 56 13 00-0177)*		
26 56 13 00-0619		Round Tapered, Cast Iron Decorative Light Post, Anchor Base *(26 56 13 00-0618)* Note: As manufactured by Hadco and King Luminaries or an approved equal.		
26 56 13 00-0620	EA	10' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	768.84	115.90
26 56 13 00-0621	EA	12' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	818.33	133.53
26 56 13 00-0622	EA	14' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	883.60	139.09
26 56 13 00-0623	EA	16' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,079.88	162.27
26 56 13 00-0624	EA	18' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,252.37	176.18
26 56 13 00-0625	EA	20' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,432.74	190.09
26 56 13 00-0626		Landscape Light Poles *(26 56 13 00-0001)*		
26 56 13 00-0627		Aluminum Landscape Light Poles *(26 56 13 00-0626)* Note: Includes painted finish.		
26 56 13 00-0628		Round Straight, Aluminum Landscape Light Poles *(26 56 13 00-0627)*		
26 56 13 00-0629		Round Straight, Aluminum Landscape Light Poles, Anchor Base *(26 56 13 00-0628)*		
26 56 13 00-0630	EA	7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base	376.07	139.09
26 56 13 00-0631	EA	12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base	680.70	185.45
26 56 13 00-0632		Round Straight, Aluminum Landscape Light Poles, Direct Burial *(26 56 13 00-0628)*		
26 56 13 00-0633	EA	7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial	330.00	139.09
26 56 13 00-0634	EA	12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial	634.64	185.45
26 56 13 00-0635		Steel Landscape Light Poles *(26 56 13 00-0626)* Note: Includes painted finish.		
26 56 13 00-0636		Round Straight, Steel Landscape Light Poles *(26 56 13 00-0635)*		
26 56 13 00-0637		Round Straight, Steel Landscape Light Poles, Anchor Base *(26 56 13 00-0636)*		
26 56 13 00-0638	EA	6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Anchor Base	344.76	139.09
26 56 13 00-0639		Round Straight, Steel Landscape Light Poles, Direct Burial *(26 56 13 00-0636)*		
26 56 13 00-0640	EA	6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Direct Burial	329.85	139.09
26 56 13 00-0641		Light Pole Brackets And Arms *(26 56 13 00-0001)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0642		Light Pole Brackets *(26 56 13 00-0641)*		
26 56 13 00-0643		Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0642)*		
26 56 13 00-0644		Round Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0643)*		
26 56 13 00-0645		Steel, Round Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0644)*		
		Note: Includes powdercoat finish.		
26 56 13 00-0646	EA	Two Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	322.65	27.81
		For Galvanized Finish, Add	*26.70*	
26 56 13 00-0647	EA	Three Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	403.21	27.81
		For Galvanized Finish, Add	*34.76*	
26 56 13 00-0648	EA	Three Tenons At 120 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	427.81	27.81
		For Galvanized Finish, Add	*37.22*	
26 56 13 00-0649	EA	Four Tenons At 90 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	579.60	27.81
		For Galvanized Finish, Add	*52.40*	
26 56 13 00-0650	EA	Four Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	603.24	27.81
		For Galvanized Finish, Add	*54.76*	
26 56 13 00-0651		Aluminum, Round Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0644)*		
		Note: Includes satin brushed or painted finish.		
26 56 13 00-0652	EA	Two Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	234.94	27.81
		For Bronze Or Satin Anodized Finish, Add	*17.93*	
		For Black Anodized Finish, Add	*35.86*	
26 56 13 00-0653	EA	Three Tenons At 120 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	292.14	27.81
		For Bronze Or Satin Anodized Finish, Add	*23.65*	
		For Black Anodized Finish, Add	*47.30*	
26 56 13 00-0654	EA	Three Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	307.54	27.81
		For Bronze Or Satin Anodized Finish, Add	*25.19*	
		For Black Anodized Finish, Add	*50.38*	
26 56 13 00-0655	EA	Four Tenons At 90 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	361.44	27.81
		For Bronze Or Satin Anodized Finish, Add	*30.58*	
		For Black Anodized Finish, Add	*61.16*	
26 56 13 00-0656	EA	Four Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	372.44	27.81
		For Bronze Or Satin Anodized Finish, Add	*31.68*	
		For Black Anodized Finish, Add	*63.36*	
26 56 13 00-0657		Square Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0643)*		
26 56 13 00-0658		Steel, Square Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0657)*		
		Note: Includes powdercoat finish.		
26 56 13 00-0659	EA	Two Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	345.66	27.81
		For Galvanized Finish, Add	*29.00*	
26 56 13 00-0660	EA	Three Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	422.82	27.81
		For Galvanized Finish, Add	*36.72*	
26 56 13 00-0661	EA	Four Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	513.45	27.81
		For Galvanized Finish, Add	*45.78*	
26 56 13 00-0662	EA	Four Tenons At 90 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	604.51	27.81
		For Galvanized Finish, Add	*54.89*	
26 56 13 00-0663		Wood Pole Clamp On Style, Pole Top Area Light Brackets *(26 56 13 00-0642)*		
26 56 13 00-0664		Steel, Wood Pole Clamp On Style, Pole Top Area Light Brackets *(26 56 13 00-0663)*		
		Note: Includes powdercoat finish.		
26 56 13 00-0665	EA	One Tenon, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	339.71	46.36
26 56 13 00-0666	EA	Two Tenons At 90, 120 Or 180 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	497.65	46.36
26 56 13 00-0667	EA	Three Tenons At 120 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	684.53	46.36
26 56 13 00-0668	EA	Four Tenons At 90 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	746.01	46.36
26 56 13 00-0669		Light Pole Arms *(26 56 13 00-0641)*		
26 56 13 00-0670		Wood Pole Streetlight Arms *(26 56 13 00-0669)*		
26 56 13 00-0671		Steel, Wood Pole Streetlight Arms *(26 56 13 00-0670)*		
26 56 13 00-0672	EA	1-1/4" Arm Diameter, 2-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	206.62	41.73
26 56 13 00-0673	EA	1-1/4" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	220.04	46.36
26 56 13 00-0674	EA	1-1/4" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	257.73	57.96
26 56 13 00-0675	EA	2" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	295.72	46.36
26 56 13 00-0676	EA	2" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	333.20	57.96
26 56 13 00-0677	EA	2" Arm Diameter, 7-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	403.98	69.54
26 56 13 00-0678		Aluminum, Wood Pole Streetlight Arms *(26 56 13 00-0670)*		
26 56 13 00-0679	EA	1-1/4" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	215.90	46.36
26 56 13 00-0680	EA	2" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	279.08	46.36
26 56 13 00-0681	EA	2" Arm Diameter, 66" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	377.30	57.96
26 56 13 00-0682	EA	2" Arm Diameter, 90" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	501.72	69.54
26 56 13 00-0683		Area Light Arms *(26 56 13 00-0669)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0684		**Steel Area Light Arms** *(26 56 13 00-0683)*		
26 56 13 00-0685	EA	Single, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount	374.33	46.36
26 56 13 00-0686	EA	Two, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	573.90	51.00
26 56 13 00-0687	EA	Three, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	637.08	55.64
26 56 13 00-0688	EA	Four, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	753.04	60.27
26 56 13 00-0689	EA	Single, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount	448.10	57.96
26 56 13 00-0690	EA	Two, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	627.88	62.59
26 56 13 00-0691		**Aluminum Area Light Arms** *(26 56 13 00-0683)*		
26 56 13 00-0692	EA	Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	272.03	46.36
26 56 13 00-0693	EA	Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	334.80	57.96
26 56 13 00-0694	EA	Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	399.79	69.54
26 56 13 00-0695	EA	Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount	269.83	46.36
26 56 13 00-0696	EA	Two, 4' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	397.90	51.00
26 56 13 00-0697	EA	Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount	330.40	57.96
26 56 13 00-0698	EA	Two, 6' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	484.88	62.59
26 56 13 00-0699	EA	Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount	401.99	69.54
26 56 13 00-0700	EA	Two, 8' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	590.56	74.18
26 56 13 00-0701		**Removal And Reinstallation Of Lighting Pole** *(26 56 13 00-0001)*		
26 56 13 00-0702	EA	Remove And Relocate Lighting Pole And Standards With One Or Two Arms, Up To 45'	1,529.97	
26 56 13 00-0703		**High Mast Lighting** *(26 56 13 00-0001)*		
26 56 13 00-0704		**High Mast Lighting Assemblies** *(26 56 13 00-0703)*		
		Note: Includes non-latching system, ring assembly with internal bumper, acrylic top cover, pulley supports, cast arm filter for pipe tension, transition assembly, standard head frame assembly, standard hoist, and powder coated pole. See CSI section 26 56 19 00-0021 for high mast fixtures.		
26 56 13 00-0705	EA	60'-100' High Mast Lighting Assembly	23,428.74	2,389.77
26 56 13 00-0706	EA	110' High Mast Lighting Assembly	25,161.68	2,624.29
26 56 13 00-0707	EA	120' High Mast Lighting Assembly	26,477.82	2,869.96
26 56 13 00-0708	EA	130' High Mast Lighting Assembly	27,692.22	3,104.48
26 56 13 00-0709	EA	140' High Mast Lighting Assembly	29,008.36	3,350.15
26 56 13 00-0710	EA	150' High Mast Lighting Assembly	30,547.95	3,590.29
26 56 13 00-0711		**High Mast Light Poles** *(26 56 13 00-0703)*		
26 56 13 00-0712	EA	60'-100' High Mast Light Poles	14,134.09	1,911.82
26 56 13 00-0713	EA	110' High Mast Light Poles	15,476.30	2,099.43
26 56 13 00-0714	EA	120' High Mast Light Poles	16,513.36	2,295.97
26 56 13 00-0715	EA	130' High Mast Light Poles	17,448.69	2,483.58
26 56 13 00-0716	EA	140' High Mast Light Poles	18,485.78	2,680.12
26 56 13 00-0717	EA	150' High Mast Light Poles	19,624.56	2,872.20
26 56 13 00-0718		**High Mast Lighting Accessories** *(26 56 13 00-0703)*		
		See CSI section 26 56 19 00-0021 for light fixtures, 26 56 26 00-0119 for lighting fixtures.		
26 56 13 00-0719	EA	Bottom Latching System	334.75	
26 56 13 00-0720	EA	Top Latching System	887.73	
26 56 13 00-0721	EA	Centering Springs	671.42	
26 56 13 00-0722	EA	Electric Power Cord	297.69	
26 56 13 00-0723	EA	Aircraft Warning Lights	700.07	
26 56 13 00-0724	EA	Internal Motorized Hoist	5,194.73	
26 56 13 00-0725	EA	Portable Hoist Motor With Step Down Transformer	5,267.54	
26 56 13 00-0726		**Concrete Bases** *(26 56 13 00-0001)*		
26 56 13 00-0727		**Concrete Bases, Cast In Place** *(26 56 13 00-0726)*		
		Note: Includes excavation/drilling, concrete, reinforcement, forms for exposed base, anchors/supports and backfill. Excludes conduit.		
26 56 13 00-0728	VLF	2' Diameter Concrete Base For Poles	68.91	
26 56 13 00-0729	VLF	2-1/2' Diameter Concrete Base For Poles	86.76	
26 56 13 00-0730	VLF	3' Diameter Concrete Base For Poles	104.97	
26 56 13 00-0731	VLF	3-1/2' Diameter Concrete Base For Poles	129.48	
26 56 13 00-0732	VLF	4' Diameter Concrete Base For Poles	154.52	
26 56 13 00-0733	VLF	5' Diameter Concrete Base For Poles	211.73	
26 56 13 00-0734	VLF	6' Diameter Concrete Base For Poles	279.99	
26 56 19		**Roadway Lighting** *(26 56)*		
26 56 19 00-0001		**Metal Halide, Pole Mounted** *(26 56 19)*		
26 56 19 00-0002	EA	175 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	586.93	187.07
26 56 19 00-0003	EA	250 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	666.14	203.05
26 56 19 00-0004	EA	400 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	784.83	218.43
26 56 19 00-0005	EA	1,000 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	978.57	256.00

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0006		High Pressure Sodium, Pole Mounted *(26 56 19)*		
26 56 19 00-0007	EA	100 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	481.67	218.43
26 56 19 00-0008	EA	150 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	495.78	218.43
26 56 19 00-0009	EA	175 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	517.97	218.43
26 56 19 00-0010	EA	250 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	571.62	218.43
26 56 19 00-0011	EA	400 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	663.76	218.43
26 56 19 00-0012	EA	1,000 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	918.81	218.43
26 56 19 00-0013		Low Pressure Sodium, Pole Mounted *(26 56 19)*		
26 56 19 00-0014	EA	135 Watt Low Pressure Sodium Exterior Roadway Fixture, Enclosed And Gasketed	566.63	118.83
26 56 19 00-0015	EA	135 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	567.93	174.75
26 56 19 00-0016	EA	180 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	679.59	174.75
26 56 19 00-0017		Street Light Accessories *(26 56 19)*		
26 56 19 00-0018		Photo Controls *(26 56 19 00-0017)*		
26 56 19 00-0019	EA	Photo Control, 120 Volt As Manufactured By Cooper Lighting #RA1014	63.55	
26 56 19 00-0020	EA	Photo Control, Multi-Tap As Manufactured By Cooper Lighting #RA1016	71.86	
26 56 19 00-0021		High Mast Fixtures *(26 56 19)*		
26 56 19 00-0022		Metal Halide *(26 56 19 00-0021)*		
26 56 19 00-0023	EA	400 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	1,020.94	114.72
26 56 19 00-0024	EA	400 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	1,088.58	114.72
26 56 19 00-0025	EA	750 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	1,090.31	131.06
26 56 19 00-0026	EA	750 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	1,130.90	131.06
26 56 19 00-0027	EA	1,000 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	1,154.29	163.83
26 56 19 00-0028	EA	1,000 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	1,194.87	163.83
26 56 19 00-0029		High Pressure Sodium *(26 56 19 00-0021)*		
26 56 19 00-0030	EA	400 W High Mast HPS Fixture (VA 25 Type V) As Manufactured By Metrolux	1,060.20	114.72
26 56 19 00-0031	EA	400 W High Mast HPS Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	1,100.79	114.72
26 56 19 00-0032	EA	600 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	1,278.20	121.28
26 56 19 00-0033	EA	750 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	1,311.60	131.06
26 56 19 00-0034	EA	1,000 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	1,395.87	163.83
26 56 19 00-0035		LED Roadway Lighting *(26 56 19)*		
26 56 19 00-0036		LED Roadway Lighting (Philips Lumec) *(26 56 19 00-0035)*		
26 56 19 00-0037		Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec GPL Series) *(26 56 19 00-0036)*		
		Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 570mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0038	EA	49 LEDs, 102 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLS Series)	861.75	111.25
26 56 19 00-0039	EA	98 LEDs, 204 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLM Series)	1,319.22	114.25
26 56 19 00-0040		LED Roadway Lighting (Lithonia) *(26 56 19 00-0035)*		
26 56 19 00-0041		Horizontal Tenon Mount, LED Cobra Head Street Lights (Lithonia CSX1 Series) *(26 56 19 00-0040)*		
		Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 700mA driver, die-cast extruded aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 19 00-0042	EA	30 LEDs, 74 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series)	1,227.37	105.23
26 56 19 00-0043	EA	60 LEDs, 146 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series)	2,000.50	108.24
26 56 19 00-0044		LED Roadway Lighting (CREE® BetaLED®) *(26 56 19 00-0035)*		
26 56 19 00-0045		Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® LEDway® STR-LWY) *(26 56 19 00-0044)*		
		Note: UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0046	EA	20 LEDs, 25 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	550.48	102.23
26 56 19 00-0047	EA	30 LEDs, 35 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	616.15	105.23
26 56 19 00-0048	EA	40 LEDs, 45 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	693.76	108.24
26 56 19 00-0049	EA	50 LEDs, 55 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	759.42	111.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0050	EA	60 LEDs, 65 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	825.09	114.25
26 56 19 00-0051	EA	70 LEDs, 75 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	980.26	117.25
26 56 19 00-0052	EA	80 LEDs, 86 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,045.94	120.27
26 56 19 00-0053	EA	90 LEDs, 96 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,111.59	123.27
26 56 19 00-0054	EA	100 LEDs, 111 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,236.94	126.28
26 56 19 00-0055	EA	110 LEDs, 122 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,302.61	129.29
26 56 19 00-0056	EA	120 LEDs, 133 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,368.29	132.29

26 56 19 00-0057 Horizontal Tenon Mount, Low Profile, LED Roadway Fixtures (CREE® BetaLED® LEDway® STR-SLM™) *(26 56 19 00-0044)*

Note: UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 525mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0058	EA	20 LEDs, 38 System Watts, Horizontal Tenon Mount, Low Profile, LED Roadway Fixture (CREE® BetaLED® LEDway® STR-SLM™)	627.81	102.23
26 56 19 00-0059	EA	30 LEDs, 55 System Watts, Horizontal Tenon Mount, Low Profile, LED Roadway Fixture (CREE® BetaLED® LEDway® STR-SLM™)	711.45	105.23
26 56 19 00-0060	EA	40 LEDs, 70 System Watts, Horizontal Tenon Mount, Low Profile, LED Roadway Fixture (CREE® BetaLED® LEDway® STR-SLM™)	812.71	108.24
26 56 19 00-0061	EA	50 LEDs, 88 System Watts, Horizontal Tenon Mount, Low Profile, LED Roadway Fixture (CREE® BetaLED® LEDway® STR-SLM™)	897.51	111.25
26 56 19 00-0062	EA	60 LEDs, 106 System Watts, Horizontal Tenon Mount, Low Profile, LED Roadway Fixture (CREE® BetaLED® LEDway® STR-SLM™)	981.14	114.25

26 56 19 00-0063 Vertical/Horizontal Tenon Mount, IP66 Rated, Low Profile, LED Roadway Fixtures (CREE® BetaLED® LEDway® STR-SLMIP66™) *(26 56 19 00-0044)*

Note: UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 525mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0064	EA	20 LEDs, 38 System Watts, Vertical/Horizontal Tenon Mount, IP66 Rated, Low Profile, LED Roadway Fixture (CREE® BetaLED® LEDway® STR-SLMIP66™)	667.79	102.23
26 56 19 00-0065	EA	30 LEDs, 55 System Watts, Vertical/Horizontal Tenon Mount, IP66 Rated, Low Profile, LED Roadway Fixture (CREE® BetaLED® LEDway® STR-SLMIP66™)	751.43	105.23
26 56 19 00-0066	EA	40 LEDs, 70 System Watts, Vertical/Horizontal Tenon Mount, IP66 Rated, Low Profile, LED Roadway Fixture (CREE® BetaLED® LEDway® STR-SLMIP66™)	851.52	108.24
26 56 19 00-0067	EA	50 LEDs, 88 System Watts, Vertical/Horizontal Tenon Mount, IP66 Rated, Low Profile, LED Roadway Fixture (CREE® BetaLED® LEDway® STR-SLMIP66™)	936.32	111.25
26 56 19 00-0068	EA	60 LEDs, 106 System Watts, Vertical/Horizontal Tenon Mount, IP66 Rated, Low Profile, LED Roadway Fixture (CREE® BetaLED® LEDway® STR-SLMIP66™)	1,021.12	114.25

26 56 19 00-0069 Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® XSP) *(26 56 19 00-0044)*

Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0070	EA	4,806 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A)	288.37	7.40
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For Backlight Control Shield, Add	*13.19*	
		For Field Adjustable Output, Add	*18.58*	
		For Bird Spikes, Add	*24.88*	
		For Field Adjustable Output And Utility Label, Add	*24.77*	
		For Fuse, Add	*37.15*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*37.15*	
		For 480 Volt, Add	*55.73*	
		For Multi-Level, Add	*80.49*	
26 56 19 00-0071	EA	5,340 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A)	288.37	7.40
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For Backlight Control Shield, Add	*13.19*	
		For Field Adjustable Output, Add	*18.58*	
		For Bird Spikes, Add	*24.88*	
		For Field Adjustable Output And Utility Label, Add	*24.77*	
		For Fuse, Add	*37.15*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*37.15*	
		For 480 Volt, Add	*55.73*	
		For Multi-Level, Add	*80.49*	
26 56 19 00-0072	EA	8,407 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E)	335.18	7.40
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For Backlight Control Shield, Add	*13.19*	
		For Field Adjustable Output, Add	*18.58*	
		For Bird Spikes, Add	*24.88*	
		For Field Adjustable Output And Utility Label, Add	*24.77*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*37.15*	
		For 480 Volt, Add	*55.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0073	EA	8,820 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E)	335.18	7.40
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For Backlight Control Shield, Add	*13.19*	
		For Field Adjustable Output, Add	*18.58*	
		For Bird Spikes, Add	*24.88*	
		For Field Adjustable Output And Utility Label, Add	*24.77*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*37.15*	
		For 480 Volt, Add	*55.73*	
26 56 19 00-0074	EA	9,612 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B)	418.39	7.40
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For Field Adjustable Output, Add	*18.58*	
		For Backlight Control Shield, Add	*22.28*	
		For Field Adjustable Output And Utility Label, Add	*24.77*	
		For Fuse, Add	*37.15*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*37.15*	
		For Bird Spikes, Add	*45.70*	
		For 480 Volt, Add	*55.73*	
		For Multi-Level, Add	*80.49*	
26 56 19 00-0075	EA	10,680 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B)	418.39	7.40
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For Field Adjustable Output, Add	*18.58*	
		For Backlight Control Shield, Add	*22.28*	
		For Field Adjustable Output And Utility Label, Add	*24.77*	
		For Fuse, Add	*37.15*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*37.15*	
		For Bird Spikes, Add	*45.70*	
		For 480 Volt, Add	*55.73*	
		For Multi-Level, Add	*80.49*	
26 56 19 00-0076	EA	11,700 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2L™ BXSP-B-HT-XXX-D)	548.44	7.40
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For Field Adjustable Output, Add	*18.58*	
		For Backlight Control Shield, Add	*22.28*	
		For Field Adjustable Output And Utility Label, Add	*24.77*	
		For Fuse, Add	*37.15*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*37.15*	
		For Bird Spikes, Add	*45.70*	
		For 480 Volt, Add	*55.73*	
		For Multi-Level, Add	*80.49*	
26 56 19 00-0077	EA	12,187 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2L™ BXSP-B-HT-XXX-D)	548.44	7.40
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For Field Adjustable Output, Add	*18.58*	
		For Backlight Control Shield, Add	*22.28*	
		For Field Adjustable Output And Utility Label, Add	*24.77*	
		For Fuse, Add	*37.15*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*37.15*	
		For Bird Spikes, Add	*45.70*	
		For 480 Volt, Add	*55.73*	
		For Multi-Level, Add	*80.49*	
26 56 19 00-0078	EA	13,732 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F)	496.42	7.40
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For Field Adjustable Output, Add	*18.58*	
		For Backlight Control Shield, Add	*22.28*	
		For Field Adjustable Output And Utility Label, Add	*24.77*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*37.15*	
		For Bird Spikes, Add	*45.70*	
		For 480 Volt, Add	*55.73*	
26 56 19 00-0079	EA	14,408 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F)	496.42	7.40
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For Field Adjustable Output, Add	*18.58*	
		For Backlight Control Shield, Add	*22.28*	
		For Field Adjustable Output And Utility Label, Add	*24.77*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*37.15*	
		For Bird Spikes, Add	*45.70*	
		For 480 Volt, Add	*55.73*	
26 56 19 00-0080	EA	2,529 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G)	205.15	7.40
		For Utility Label, Add	*6.19*	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.58*	
		For 0 To 10 Volt Dimming, Add	*37.15*	
26 56 19 00-0081	EA	2,722 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G)	205.15	7.40
		For Utility Label, Add	*6.19*	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.58*	
		For 0 To 10 Volt Dimming, Add	*37.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0082	EA	3,819 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™BXSPR-A-O-X-X-C)	224.66	7.40
		For Utility Label, Add	*6.19*	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.58*	
		For 0 To 10 Volt Dimming, Add	*37.15*	
26 56 19 00-0083	EA	4,109 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™BXSPR-A-O-X-X-C)	224.66	7.40
		For Utility Label, Add	*6.19*	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.58*	
		For 0 To 10 Volt Dimming, Add	*37.15*	
26 56 19 00-0084	EA	4,548 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A)	231.16	7.40
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For Field Adjustable Output, Add	*18.58*	
		For Field Adjustable Output And Utility Label, Add	*24.77*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*37.15*	
		For 0 To 10 Volt Dimming, Add	*37.15*	
26 56 19 00-0085	EA	4,627 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A)	231.16	7.40
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For Field Adjustable Output, Add	*18.58*	
		For Field Adjustable Output And Utility Label, Add	*24.77*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*37.15*	
		For 0 To 10 Volt Dimming, Add	*37.15*	

26 56 19 00-0086 Surface Mount, LED Transportation Fixtures (CREE® BetaLED® Edge® TSP-EDG) *(26 56 19 00-0044)*

Note: Direct, cantenary or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0087	EA	40 LEDs, 47 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	1,330.15	108.24
		For Multi-Level Drive Currents, Add	*164.64*	
26 56 19 00-0088	EA	60 LEDs, 68 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	1,538.56	114.25
		For Multi-Level Drive Currents, Add	*164.64*	
26 56 19 00-0089	EA	80 LEDs, 90 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	1,745.82	120.27
		For Multi-Level Drive Currents, Add	*164.64*	
26 56 19 00-0090	EA	100 LEDs, 111 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	1,954.23	126.28
		For Multi-Level Drive Currents, Add	*164.64*	
26 56 19 00-0091	EA	120 LEDs, 132 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	2,577.78	132.29
		For Multi-Level Drive Currents, Add	*164.64*	
26 56 19 00-0092	EA	140 LEDs, 157 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	2,786.19	138.31
		For Multi-Level Drive Currents, Add	*164.64*	
26 56 19 00-0093	EA	160 LEDs, 179 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	2,993.44	144.32
		For Multi-Level Drive Currents, Add	*164.64*	
26 56 19 00-0094	EA	200 LEDs, 234 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	3,723.10	156.34
		For Multi-Level Drive Currents, Add	*164.64*	
26 56 19 00-0095	EA	240 LEDs, 269 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	4,127.90	162.36
		For Multi-Level Drive Currents, Add	*164.64*	

26 56 19 00-0096 LED Roadway Lighting (Cooper Lighting) *(26 56 19 00-0035)*

26 56 19 00-0097 Horizontal Tenon Mount, LED Roadway Fixtures (Cooper Lighting Streetworks NVN™) *(26 56 19 00-0096)*

Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

26 56 19 00-0098	EA	1 LED Light Square, 51 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	566.17	108.24
26 56 19 00-0099	EA	2 LED Light Squares, 103 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	755.80	120.27
26 56 19 00-0100	EA	3 LED Light Squares, 154 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	814.78	138.31
26 56 19 00-0101	EA	4 LED Light Squares, 206 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	1,187.98	150.34
26 56 19 00-0102	EA	6 LED Light Squares, 309 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	1,546.69	171.15

26 56 19 00-0103 LED Roadway Lighting (PlanLED) *(26 56 19 00-0035)*

26 56 19 00-0104 Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera HERA) *(26 56 19 00-0103)*

Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

26 56 19 00-0105	EA	8,500 Lumens, 85 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 85W)	690.32	105.23
26 56 19 00-0106	EA	11,000 Lumens, 110 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 110W)	714.68	106.39
26 56 19 00-0107	EA	15,000 Lumens, 150 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 150W)	750.93	108.24

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0108		Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera SETA) *(26 56 19 00-0103)* Note: UL wet listed. Includes 3,000K, 3,500K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0109	EA	7,200 Lumens, 60 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET060)	467.88	102.69
26 56 19 00-0110	EA	10,000 Lumens, 80 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET080)	495.73	104.54
26 56 19 00-0111	EA	12,500 Lumens, 100 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET100)	534.08	106.39
26 56 19 00-0112		Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera META) *(26 56 19 00-0103)* Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0113	EA	13,000 Lumens, 100 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT100)	580.28	106.39
		For 0 To 10 Volt Dimming, Add	*29.40*	
		For 347-480 Volt, Add	*29.40*	
26 56 19 00-0114	EA	16,900 Lumens, 130 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT130)	606.28	107.32
		For 0 To 10 Volt Dimming, Add	*29.40*	
		For 347-480 Volt, Add	*28.35*	
26 56 19 00-0115	EA	19,500 Lumens, 150 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT150)	631.23	108.24
		For 0 To 10 Volt Dimming, Add	*29.40*	
		For 347-480 Volt, Add	*29.40*	
26 56 19 00-0116		LED Roadway Lighting (General Electric) *(26 56 19 00-0035)*		
26 56 19 00-0117		Horizontal Tenon Mount, LED Cobra Head Street Lights (General Electric) *(26 56 19 00-0116)* Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or gray powder coat finish. Excludes sensors.		
26 56 19 00-0118	EA	2,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERX1 0 23)	420.31	102.23
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
26 56 19 00-0119	EA	4,100 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERX1 0 B1)	449.05	105.23
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
26 56 19 00-0120	EA	5,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERX1 0 C1)	466.85	106.39
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
26 56 19 00-0121	EA	9,600 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERX1 0 G1)	516.84	111.25
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
26 56 19 00-0122	EA	2,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1 0 23)	440.96	102.23
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
26 56 19 00-0123	EA	4,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1 0 B2)	488.29	105.23
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
26 56 19 00-0124	EA	5,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1 0 C2)	498.87	106.39
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
26 56 19 00-0125	EA	10,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1 0 G2)	539.56	111.25
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
26 56 19 00-0126	EA	11,600 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS2 0 E3)	628.19	114.25
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
26 56 19 00-0127	EA	19,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS2 0 G3)	705.30	120.27
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
26 56 19 00-0128		LED Roadway Lighting (Acuity AEL Autobahn) *(26 56 19 00-0035)*		
26 56 19 00-0129		Horizontal Tenon Mount, LED Cobra Head Street Lights (Acuity AEL Autobahn) *(26 56 19 00-0128)* Note: UL wet listed. Includes 4,000K or 5,000K color temperature, 120-480 voltage, integral 10kV surge suppression, 0-10V dimming, die-cast extruded aluminum housing assembly and white, black, gray, graphite or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0130	EA	4,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 20ALEDE70)	650.53	105.23
26 56 19 00-0131	EA	6,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 30BLEDE70)	797.65	108.24
26 56 19 00-0132	EA	9,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 40BLEDE70)	1,094.32	111.25
26 56 19 00-0133	EA	13,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 60BLEDE70)	1,393.69	115.64
26 56 19 00-0134	EA	17,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 80BLEDE70)	1,685.79	118.88
26 56 19 00-0135		LED Roadway Lighting (Leotek) *(26 56 19 00-0035)*		
26 56 19 00-0136		Horizontal Tenon Mount, LED Cobra Head Street Lights (Leotek) *(26 56 19 00-0135)* Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, integral surge protector, die-cast and extruded aluminum housing assembly and gray powder coat finish. Excludes sensors.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0137	EA	2,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC1-4M-MV-NW-X-GY-WL-XXX)	324.82	102.23
		For Utility Wattage Label, Add	*1.24*	
		For ANSI 5-wire Photocontrol Receptacle, Add	*12.39*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*13.63*	
		For House Or Cul-De-Sac Side Shield, Add	*28.92*	
26 56 19 00-0138	EA	4,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC1-6M-MV-NW-X-GY-WL-XXX)	368.80	105.23
		For Utility Wattage Label, Add	*1.24*	
		For ANSI 5-wire Photocontrol Receptacle, Add	*12.39*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*13.63*	
		For House Or Cul-De-Sac Side Shield, Add	*28.92*	
26 56 19 00-0139	EA	6,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC3-10M-MV-NW-X-GY-WL-XXX)	421.44	108.24
		For Utility Wattage Label, Add	*1.24*	
		For ANSI 5-wire Photocontrol Receptacle, Add	*12.39*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*13.63*	
		For House Or Cul-De-Sac Side Shield, Add	*30.98*	
26 56 19 00-0140	EA	9,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC4-14M-MV-NW-X-GY-WL-XXX)	473.00	111.25
		For Utility Wattage Label, Add	*1.24*	
		For ANSI 5-wire Photocontrol Receptacle, Add	*12.39*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*13.63*	
		For House Or Cul-De-Sac Side Shield, Add	*34.08*	
26 56 19 00-0141	EA	11,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC7-18M-MV-NW-X-GY-WL-XXX)	570.10	114.25
		For Utility Wattage Label, Add	*1.24*	
		For ANSI 5-wire Photocontrol Receptacle, Add	*12.39*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*13.63*	
		For House Or Cul-De-Sac Side Shield, Add	*37.18*	
26 56 19 00-0142	EA	15,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC7-24M-MV-NW-X-GY-WL-XXX)	653.11	117.25
		For Utility Wattage Label, Add	*1.24*	
		For ANSI 5-wire Photocontrol Receptacle, Add	*12.39*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*13.63*	
		For House Or Cul-De-Sac Side Shield, Add	*37.18*	
26 56 19 00-0143	EA	19,100 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC9-30M-MV-NW-X-GY-WL-XXX)	723.12	120.27
		For Utility Wattage Label, Add	*1.24*	
		For ANSI 5-wire Photocontrol Receptacle, Add	*12.39*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*13.63*	
		For House Or Cul-De-Sac Side Shield, Add	*37.18*	

26 56 19 00-0144 Induction Roadway Lighting *(26 56 19)*

26 56 19 00-0145 Induction Roadway Lighting (Crystal Lighting) *(26 56 19 00-0144)*

Note: Includes gray powder coat finish heavy duty die cast aluminum body and borosilicate drop glass lens.

26 56 19 00-0146	EA	40 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (Crystal Lighting CLP-CH29)	496.19	138.77
		For Black Powder Coat Finish, Add	*20.00*	
26 56 19 00-0147	EA	65 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (Crystal Lighting CLP-CH29)	530.84	143.39
		For Black Powder Coat Finish, Add	*20.00*	
26 56 19 00-0148	EA	80 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (Crystal Lighting CLP-CH29)	554.44	148.02
		For Black Powder Coat Finish, Add	*20.00*	
		For Dimming, Add	*80.00*	
26 56 19 00-0149	EA	100 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (Crystal Lighting CLP-CH29)	583.57	152.64
		For Black Powder Coat Finish, Add	*20.00*	
26 56 19 00-0150	EA	120 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (Crystal Lighting CLP-CH36)	734.17	157.27
		For Black Powder Coat Finish, Add	*20.00*	
26 56 19 00-0151	EA	150 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (Crystal Lighting CLP-CH36)	750.04	161.90
		For Black Powder Coat Finish, Add	*20.00*	
		For Dimming, Add	*80.00*	
26 56 19 00-0152	EA	200 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (Crystal Lighting CLP-CH36)	781.38	166.52
		For Black Powder Coat Finish, Add	*20.00*	
		For Dimming, Add	*80.00*	

26 56 19 00-0153 Induction Roadway Lighting (US Lighting Tech) *(26 56 19 00-0144)*

Note: Includes gray powder coat finish heavy duty die cast aluminum body and flat glass lens.

26 56 19 00-0154	EA	40 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	559.13	138.77
26 56 19 00-0155	EA	70 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	623.60	143.39
26 56 19 00-0156	EA	100 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	642.10	152.64
26 56 19 00-0157	EA	150 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	660.60	161.90
26 56 19 00-0158	EA	200 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	796.84	166.52
26 56 19 00-0159	EA	250 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	810.51	171.15
26 56 19 00-0160	EA	40 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	512.75	138.77
26 56 19 00-0161	EA	70 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	583.84	143.39
26 56 19 00-0162	EA	100 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	602.34	152.64
26 56 19 00-0163	EA	150 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	620.84	161.90

26 56 23 Area Lighting *(26 56)*

26 56 23 00-0001 Exterior Globe *(26 56 23)*

26 56 23 00-0002 Incandescent *(26 56 23 00-0001)*

26 56 23 00-0003	EA	100 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture	47.73	15.05
26 56 23 00-0004	EA	150-200 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture	80.26	15.05
26 56 23 00-0005	EA	100 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture	59.06	15.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0006	EA	150-200 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture	84.62	15.05
26 56 23 00-0007		**Surface Mounted, Rectangular Exterior Area Fixture** *(26 56 23)*		
26 56 23 00-0008		**Metal Halide** *(26 56 23 00-0007)*		
26 56 23 00-0009	EA	175 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	543.20	174.75
26 56 23 00-0010	EA	250 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	626.54	196.59
26 56 23 00-0011	EA	400 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	762.46	218.43
26 56 23 00-0012	EA	1,000 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	957.77	256.00
26 56 23 00-0013		**High Pressure Sodium** *(26 56 23 00-0007)*		
26 56 23 00-0014	EA	70 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro)	536.94	149.41
26 56 23 00-0015	EA	100 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro)	586.39	159.02
26 56 23 00-0016	EA	150 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro)	637.24	167.76
26 56 23 00-0017	EA	175 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	657.75	174.75
26 56 23 00-0018	EA	250 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	733.55	196.59
26 56 23 00-0019	EA	400 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	796.49	218.43
26 56 23 00-0020	EA	1,000 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	1,067.17	256.00
26 56 23 00-0021		**Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures** *(26 56 23)*		
26 56 23 00-0022		**High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures** *(26 56 23 00-0021)*		
		Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 23 00-0023	EA	35 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	520.06	117.96
26 56 23 00-0024	EA	50 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	539.92	131.06
26 56 23 00-0025	EA	70 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	487.00	149.41
26 56 23 00-0026	EA	100 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	593.08	159.02
26 56 23 00-0027	EA	150 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	611.56	167.76
26 56 23 00-0028	EA	175 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	640.69	174.75
26 56 23 00-0029	EA	250 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	700.51	196.59
26 56 23 00-0030	EA	400 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	853.17	218.43
26 56 23 00-0031		**Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures** *(26 56 23 00-0021)*		
		Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 23 00-0032	EA	50 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	472.98	131.06
26 56 23 00-0033	EA	70 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	509.05	149.41
26 56 23 00-0034	EA	100 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	525.54	159.02
26 56 23 00-0035	EA	150 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	551.26	167.76
26 56 23 00-0036	EA	175 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	563.79	174.75
26 56 23 00-0037	EA	250 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	613.63	196.59
26 56 23 00-0038	EA	400 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	763.33	218.43
26 56 23 00-0039		**Compact Fluorescent And Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures** *(26 56 23 00-0021)*		
		Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 23 00-0040	EA	7 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	159.87	60.19
26 56 23 00-0041	EA	9 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	167.42	63.95
26 56 23 00-0042	EA	13 Or 14 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	182.63	67.71
26 56 23 00-0043	EA	75 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	188.14	75.23
26 56 23 00-0044	EA	100 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	211.66	86.51
26 56 23 00-0045		**Wall Packs** *(26 56 23)*		
26 56 23 00-0046		**Non Cutoff, Polycarbonate Lens, Mini Wall Packs** *(26 56 23 00-0045)*		
		Note: Polycarbonate body and aluminum reflector. 11" x 6-1/2" x 5-1/4". Lithonia TWS.		
26 56 23 00-0047	EA	13 Watt Compact Fluorescent, Non Cutoff, Polycarbonate Lens, Mini Wall Pack	214.90	41.14
26 56 23 00-0048	EA	50 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Mini Wall Pack	228.34	41.14
26 56 23 00-0049	EA	35 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Mini Wall Pack	228.34	41.14
26 56 23 00-0050	EA	70 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Mini Wall Pack	293.49	41.14
26 56 23 00-0051		**Semi Cutoff, Polycarbonate Lens, Mini Wall Packs** *(26 56 23 00-0045)*		
		Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWA.		
26 56 23 00-0052	EA	42 Watt Compact Fluorescent, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	398.65	41.14
26 56 23 00-0053	EA	50 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	403.48	41.14
26 56 23 00-0054	EA	70 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	407.66	41.14
26 56 23 00-0055	EA	100 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	400.04	41.14
26 56 23 00-0056	EA	70 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	368.69	41.14
26 56 23 00-0057	EA	100 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	351.47	41.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0058		**Cutoff, Polycarbonate Lens, Mini Wall Packs** *(26 56 23 00-0045)*		
		Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWAC.		
26 56 23 00-0059	EA	50 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	418.49	41.14
26 56 23 00-0060	EA	70 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	422.89	41.14
26 56 23 00-0061	EA	100 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	415.28	41.14
26 56 23 00-0062	EA	70 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack	421.41	41.14
26 56 23 00-0063	EA	100 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack	421.41	41.14
26 56 23 00-0064		**Non Cutoff, Borosilicate Glass Lens, Small Wall Packs** *(26 56 23 00-0045)*		
		Note: Aluminum body and reflector. 9" x 13" x 7-3/8". Lithonia TWR1.		
26 56 23 00-0065	EA	70 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	408.97	54.80
26 56 23 00-0066	EA	100 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	408.97	54.80
26 56 23 00-0067	EA	175 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	385.37	54.80
26 56 23 00-0068	EA	70 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	394.42	54.80
26 56 23 00-0069	EA	100 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	394.42	54.80
26 56 23 00-0070	EA	150 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	368.25	54.80
26 56 23 00-0071		**Cutoff, Borosilicate Glass Lens, Small Wall Packs** *(26 56 23 00-0045)*		
		Note: Aluminum body and reflector. 10-1/4" x 13" x 8-15/32". Lithonia TWR1C.		
26 56 23 00-0072	EA	70 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	422.95	54.80
26 56 23 00-0073	EA	100 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	422.95	54.80
26 56 23 00-0074	EA	175 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	422.95	54.80
26 56 23 00-0075	EA	70 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	409.07	54.80
26 56 23 00-0076	EA	100 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	409.07	54.80
26 56 23 00-0077	EA	150 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	409.07	54.80
26 56 23 00-0078		**Full Cutoff, Tempered Glass Lens, Small Wall Packs** *(26 56 23 00-0045)*		
		Note: Aluminum body and reflector. 9-3/8" x 14-3/8" x 8-3/4". Meets Nighttime Friendly criteria. Lithonia TWR1S.		
26 56 23 00-0079	EA	175 Watt Metal Halide, Full Cutoff, Tempered Glass Lens, Small Wall Pack	535.89	54.80
26 56 23 00-0080		**Cutoff, Borosilicate Glass Lens, Medium Wall Packs** *(26 56 23 00-0045)*		
		Note: Aluminum body and reflector. Lithonia TWR2.		
26 56 23 00-0081	EA	250 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	515.04	67.89
		Note: 9-1/4" x 17-7/8" x 9-3/8".		
26 56 23 00-0082	EA	400 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	547.03	67.89
		Note: 9-1/4" x 17-7/8" x 12-1/2".		
26 56 23 00-0083	EA	250 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	585.17	67.89
		Note: 9-1/4" x 17-7/8" x 9-3/8".		
26 56 23 00-0084	EA	400 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	595.67	67.89
		Note: 9-1/4" x 17-7/8" x 12-1/2".		
26 56 23 00-0085		**Cutoff, Tempered Glass Lens, Medium Wall Packs** *(26 56 23 00-0045)*		
		Note: Aluminum body and reflector. 10" x 17-1/8" x 14-1/2". Lithonia TWR2C.		
26 56 23 00-0086	EA	250 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	556.19	67.89
26 56 23 00-0087	EA	400 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	592.13	67.89
26 56 23 00-0088		**Non Cutoff, Polycarbonate Lens, Large Wall Packs** *(26 56 23 00-0045)*		
		Note: Polycarbonate body and powder coated reflector. 15-7/16" x 16-1/8" x 7-3/4". Lithonia TWP.		
26 56 23 00-0089	EA	100 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Large Wall Pack	526.03	82.30
26 56 23 00-0090	EA	175 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Large Wall Pack	487.96	82.30
26 56 23 00-0091	EA	70 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack	517.22	82.30
26 56 23 00-0092	EA	100 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack	520.13	82.30
26 56 23 00-0093	EA	150 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack	523.18	82.30
26 56 23 00-0094		**Non Cutoff, Borosilicate Glass Lens, Large Wall Packs** *(26 56 23 00-0045)*		
		Note: Aluminum body and reflector. 15-3/4" x 16-1/4" x 8". Lithonia TWH.		
26 56 23 00-0095	EA	175 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	526.04	82.30
26 56 23 00-0096	EA	250 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	538.74	82.30
26 56 23 00-0097	EA	400 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	576.81	82.30
26 56 23 00-0098	EA	150 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	551.43	82.30
26 56 23 00-0099	EA	250 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	564.13	82.30
26 56 23 00-0100	EA	400 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	589.49	82.30
26 56 23 00-0101		**Full Cutoff, LED Wall Packs** *(26 56 23 00-0045)*		
26 56 23 00-0102		**Full Cutoff, LED Wall Packs (Lithonia)** *(26 56 23 00-0101)*		
26 56 23 00-0103	EA	30 LEDs, 57 System Watts, 530 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED)	975.76	80.95
26 56 23 00-0104	EA	30 LEDs, 35 System Watts, 350 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED)	1,064.10	80.95
26 56 23 00-0105		**Full Cutoff, LED Wall Packs (CREE® BetaLED®)** *(26 56 23 00-0101)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0106		**Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® Edge® SEC-EDG)** *(26 56 23 00-0105)* Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0107	EA	20 LEDs, 26 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) Note: Includes 350mA or 525mA driver.	605.87	78.64
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For Bird Spikes, Add	*31.26*	
		For Fuse, Add	*37.15*	
		For 0 To 10 Volt Dimming, Add	*37.15*	
		For 480 Volt, Add	*55.73*	
		For Multi-Level, Add	*80.49*	
26 56 23 00-0108	EA	40 LEDs, 47 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) Note: Includes 350mA or 525mA driver.	777.66	83.27
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For Bird Spikes, Add	*31.73*	
		For Fuse, Add	*37.15*	
		For 0 To 10 Volt Dimming, Add	*37.15*	
		For 480 Volt, Add	*55.73*	
		For Multi-Level, Add	*80.49*	
26 56 23 00-0109	EA	60 LEDs, 68 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) Note: Includes 350mA or 525mA driver.	949.45	87.89
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For Bird Spikes, Add	*32.19*	
		For Fuse, Add	*37.15*	
		For 0 To 10 Volt Dimming, Add	*37.15*	
		For 480 Volt, Add	*55.73*	
		For Multi-Level, Add	*80.49*	
26 56 23 00-0110	EA	80 LEDs, 90 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) Note: Includes 350mA or 525mA driver.	1,121.24	92.52
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For Bird Spikes, Add	*32.65*	
		For Fuse, Add	*37.15*	
		For 0 To 10 Volt Dimming, Add	*37.15*	
		For 480 Volt, Add	*55.73*	
		For Multi-Level, Add	*80.49*	
26 56 23 00-0111	EA	100 LEDs, 111 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	1,293.03	97.14
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For Bird Spikes, Add	*33.11*	
		For Fuse, Add	*37.15*	
		For 0 To 10 Volt Dimming, Add	*37.15*	
		For 480 Volt, Add	*55.73*	
		For Multi-Level, Add	*80.49*	
26 56 23 00-0112	EA	120 LEDs, 132 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	1,464.82	101.77
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For Bird Spikes, Add	*33.58*	
		For Fuse, Add	*37.15*	
		For 0 To 10 Volt Dimming, Add	*37.15*	
		For 480 Volt, Add	*55.73*	
		For Multi-Level, Add	*80.49*	
26 56 23 00-0113		**Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® XSPW™)** *(26 56 23 00-0105)* Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, Class 2 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0114	EA	25 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™)	364.51	78.64
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For 0 To 10 Volt Dimming, Add	*37.15*	
		For Multi-Level, Add	*37.15*	
26 56 23 00-0115	EA	42 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™)	422.11	83.27
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For 0 To 10 Volt Dimming, Add	*37.15*	
		For Multi-Level, Add	*37.15*	
26 56 23 00-0116		**Semi Cutoff, Induction Wall Packs** *(26 56 23 00-0045)*		
26 56 23 00-0117		**Semi Cutoff, Induction Wall Packs (Everlast®)** *(26 56 23 00-0116)* Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 23 00-0118	EA	70 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-70)	643.91	78.64
26 56 23 00-0119	EA	80 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-80)	658.58	83.27
26 56 23 00-0120	EA	100 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-100)	673.26	87.89
26 56 23 00-0121	EA	120 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-120)	747.57	92.52
26 56 23 00-0122		**Wall Pack Accessories** *(26 56 23 00-0045)*		
26 56 23 00-0123	EA	Photocell For Wall Pack	80.06	20.58
26 56 23 00-0124	EA	Wire Guard For Mini And Small Wall Pack	88.19	20.58
26 56 23 00-0125	EA	Wire Guard For Medium And Large Wall Pack	122.21	20.58
26 56 23 00-0126	EA	Vandal Guard For Wall Pack	171.31	20.58
26 56 23 00-0127	EA	Full Cutoff Visor For Wall Pack	85.97	20.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0128		**LED Area Fixtures** *(26 56 23)*		
26 56 23 00-0129		**Pole Mount, LED Area Fixtures** *(26 56 23 00-0128)*		
26 56 23 00-0130		**Pole Mount, Rectangular, LED Architectural Area Fixtures (Lithonia DSX)** *(26 56 23 00-0129)*		
		Note: UL wet listed. Includes 4,000K color temperature, 480 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0131	EA	20 LEDs, 45 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED)	1,882.72	78.64
26 56 23 00-0132	EA	40 LEDs, 91 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED)	2,030.00	83.27
26 56 23 00-0133	EA	80 LEDs, 188 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED)	2,186.54	92.52
26 56 23 00-0134	EA	100 LEDs, 218 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED)	2,195.79	97.14
26 56 23 00-0135		**Pole Mount, Rectangular, LED Architectural Area Fixtures (CREE® Aeroblades™ BXABP)** *(26 56 23 00-0129)*		
		Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 525mA remote driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0136	EA	20 LEDs, 39 System Watts, Pole Mount, Rectangular, LED Architectural Area Fixture (CREE® Aeroblades™ BXABP)	1,349.73	78.64
		For 0 To 10 Volt Dimming, Add	*47.04*	
		For 347-480 Volt, Add	*53.70*	
26 56 23 00-0137	EA	40 LEDs, 70 System Watts, Pole Mount, Rectangular, LED Architectural Area Fixture (CREE® Aeroblades™ BXABP)	1,829.38	83.27
		For 0 To 10 Volt Dimming, Add	*47.04*	
		For 347-480 Volt, Add	*53.70*	
26 56 23 00-0138	EA	60 LEDs, 103 System Watts, Pole Mount, Rectangular, LED Architectural Area Fixture (CREE® Aeroblades™ BXABP)	2,309.03	87.89
		For 0 To 10 Volt Dimming, Add	*47.04*	
		For 347-480 Volt, Add	*53.70*	
26 56 23 00-0139		**Arm Mount, Rectangular, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDG)** *(26 56 23 00-0129)*		
		Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors. All fixtures without the backlight control shield are DLC qualified		
26 56 23 00-0140	EA	40 LEDs, 47 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	786.98	83.27
		For Backlight Shielding, Add	*16.46*	
		For 347-480 Volt, Add	*53.70*	
		For Multi-Level Drive Currents, Add	*164.64*	
		For Post Top Mount, Add	*951.74*	
26 56 23 00-0141	EA	60 LEDs, 68 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	945.37	87.89
		For Backlight Shielding, Add	*16.46*	
		For 347-480 Volt, Add	*53.70*	
		For Multi-Level Drive Currents, Add	*164.64*	
		For Post Top Mount, Add	*954.51*	
26 56 23 00-0142	EA	80 LEDs, 90 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,163.43	92.52
		For Backlight Shielding, Add	*16.46*	
		For 347-480 Volt, Add	*53.70*	
		For Multi-Level Drive Currents, Add	*164.64*	
		For Post Top Mount, Add	*957.29*	
26 56 23 00-0143	EA	100 LEDs, 111 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,321.82	97.14
		For Backlight Shielding, Add	*16.46*	
		For 347-480 Volt, Add	*53.70*	
		For Multi-Level Drive Currents, Add	*164.64*	
		For Post Top Mount, Add	*960.06*	
26 56 23 00-0144	EA	120 LEDs, 132 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,480.23	101.77
		For Backlight Shielding, Add	*16.46*	
		For 347-480 Volt, Add	*53.70*	
		For Multi-Level Drive Currents, Add	*164.64*	
		For Post Top Mount, Add	*962.84*	
26 56 23 00-0145	EA	140 LEDs, 157 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,686.36	106.39
		For Backlight Shielding, Add	*16.46*	
		For 347-480 Volt, Add	*53.70*	
		For Multi-Level Drive Currents, Add	*164.64*	
		For Post Top Mount, Add	*965.61*	
26 56 23 00-0146	EA	160 LEDs, 179 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,844.75	111.02
		For Backlight Shielding, Add	*16.46*	
		For 347-480 Volt, Add	*53.70*	
		For Multi-Level Drive Currents, Add	*164.64*	
		For Post Top Mount, Add	*968.39*	
26 56 23 00-0147	EA	200 LEDs, 221 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	2,161.57	120.27
		For Backlight Shielding, Add	*16.46*	
		For 347-480 Volt, Add	*53.70*	
		For Multi-Level Drive Currents, Add	*164.64*	
		For Post Top Mount, Add	*973.94*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0148	EA	240 LEDs, 264 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	2,469.11	124.89
		For Backlight Shielding, Add	*16.46*	
		For 347-480 Volt, Add	*53.70*	
		For Multi-Level Drive Currents, Add	*164.64*	
		For Post Top Mount, Add	*976.72*	

26 56 23 00-0149 Arm Mount, Round, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDR) *(26 56 23 00-0129)*

Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 23 00-0150	EA	40 LEDs, 47 System Watts, Arm Mount, Round, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR)	1,123.78	83.27
		For Backlight Shielding, Add	*16.46*	
		For 347-480 Volt, Add	*53.70*	
		For Multi-Level Drive Currents, Add	*164.64*	
		For Post Top Mount, Add	*951.74*	
26 56 23 00-0151	EA	60 LEDs, 68 System Watts, Arm Mount, Round, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR)	1,328.25	87.89
		For Backlight Shielding, Add	*16.46*	
		For 347-480 Volt, Add	*53.70*	
		For Multi-Level Drive Currents, Add	*164.64*	
		For Post Top Mount, Add	*954.51*	
26 56 23 00-0152	EA	80 LEDs, 90 System Watts, Arm Mount, Round, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR)	1,533.89	92.52
		For Backlight Shielding, Add	*16.46*	
		For 347-480 Volt, Add	*53.70*	
		For Multi-Level Drive Currents, Add	*164.64*	
		For Post Top Mount, Add	*957.29*	
26 56 23 00-0153	EA	100 LEDs, 111 System Watts, Arm Mount, Round, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR)	1,739.53	97.14
		For Backlight Shielding, Add	*16.46*	
		For 347-480 Volt, Add	*53.70*	
		For Multi-Level Drive Currents, Add	*164.64*	
		For Post Top Mount, Add	*960.06*	
26 56 23 00-0154	EA	120 LEDs, 132 System Watts, Arm Mount, Round, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR)	1,944.00	101.77
		For Backlight Shielding, Add	*16.46*	
		For 347-480 Volt, Add	*53.70*	
		For Multi-Level Drive Currents, Add	*164.64*	
		For Post Top Mount, Add	*962.84*	

26 56 23 00-0155 Direct Or Arm Mount, Rectangular, High Output, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EHO) *(26 56 23 00-0129)*

Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 23 00-0156	EA	120 LEDs, 267 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO)	1,411.50	101.77
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For Bird Spikes, Add	*29.69*	
		For 5,000K Color Temperature, Add	*30.96*	
		For Fuse, Add	*37.15*	
		For 0 To 10 Volt Dimming, Add	*37.15*	
		For 480 Volt, Add	*55.73*	
		For Multi-Level, Add	*80.49*	
		For 1,000mA Driver, Add	*104.03*	
26 56 23 00-0157	EA	240 LEDs, 533 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO)	2,367.64	124.89
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For 5,000K Color Temperature, Add	*30.96*	
		For Fuse, Add	*37.15*	
		For 0 To 10 Volt Dimming, Add	*37.15*	
		For Bird Spikes, Add	*43.71*	
		For Multi-Level, Add	*80.49*	
		For 1,000mA Driver, Add	*104.38*	
		For 480 Volt, Add	*111.45*	

26 56 23 00-0158 Wall Mount, LED Area Fixtures *(26 56 23 00-0128)*

26 56 23 00-0159 Wall Mount, LED Architectural Area Fixtures (Lithonia DSXW) *(26 56 23 00-0158)*

Note: UL wet listed. Includes 4,000K color temperature, 277 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.

26 56 23 00-0160	EA	20 LEDs, 47 System Watts, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED)	821.22	78.64
26 56 23 00-0161	EA	30 LEDs, 71 System Watts, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED)	839.72	87.89

26 56 23 00-0162 Wall Mount, Rectangular, LED Architectural Area Fixtures (CREE® Aeroblades™ BXABR) *(26 56 23 00-0158)*

Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 525mA remote driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 23 00-0163	EA	20 LEDs, 39 System Watts, Wall Mount, Rectangular, LED Architectural Area Fixture (CREE® Aeroblades™ BXABR)	1,302.69	78.64
		For 0 To 10 Volt Dimming, Add	*47.04*	
		For 347-480 Volt, Add	*53.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0164	EA	40 LEDs, 70 System Watts, Wall Mount, Rectangular, LED Architectural Area Fixture (CREE® Aeroblades™ BXABR)	1,791.59	87.89
		For 0 To 10 Volt Dimming, Add	*47.04*	
		For 347-480 Volt, Add	*53.70*	
26 56 23 00-0165	EA	60 LEDs, 103 System Watts, Wall Mount, Rectangular, LED Architectural Area Fixture (CREE® Aeroblades™ BXABR)	2,261.99	87.89
		For 0 To 10 Volt Dimming, Add	*47.04*	
		For 347-480 Volt, Add	*53.70*	

26 56 23 00-0166 Surface Mount, LED Parking Structure Fixtures *(26 56 23 00-0128)*

26 56 23 00-0167 Surface Mount, Rectangular, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-EDG) *(26 56 23 00-0166)*

Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 23 00-0168	EA	20 LEDs, 26 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	659.42	78.64
		For Multi-Level Drive Currents, Add	*164.64*	
26 56 23 00-0169	EA	40 LEDs, 47 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	865.06	83.27
		For Multi-Level Drive Currents, Add	*164.64*	
26 56 23 00-0170	EA	60 LEDs, 68 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	1,069.53	87.89
		For Multi-Level Drive Currents, Add	*164.64*	
26 56 23 00-0171	EA	80 LEDs, 90 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	1,275.17	92.52
		For Multi-Level Drive Currents, Add	*164.64*	
26 56 23 00-0172	EA	100 LEDs, 111 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	1,480.81	97.14
		For Multi-Level Drive Currents, Add	*164.64*	

26 56 23 00-0173 Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-304) *(26 56 23 00-0166)*

Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 23 00-0174	EA	40 LEDs, 47 System Watts, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304)	833.31	83.27
		For Multi-Level Drive Currents, Add	*164.64*	
26 56 23 00-0175	EA	60 LEDs, 68 System Watts, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304)	921.35	87.89
		For Multi-Level Drive Currents, Add	*164.64*	

26 56 23 00-0176 Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VG) *(26 56 23 00-0166)*

Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 23 00-0177	EA	3,700 Lumens, 50 System Watts, Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VGADM5MA40KUL)	525.41	83.27

26 56 23 00-0178 Surface Mount, Rectangular, LED Parking Structure Fixtures (Philips Gardco ELG) *(26 56 23 00-0166)*

Note: Direct or pendant mount. UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and aluminum finish. Excludes sensors.

26 56 23 00-0179	EA	70 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG)	1,041.85	87.89
26 56 23 00-0180	EA	110 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG)	1,060.35	97.14

26 56 23 00-0181 Surface Mount, LED Canopy Fixtures *(26 56 23 00-0128)*

26 56 23 00-0182 Surface Mount, Rectangular, LED Canopy Fixtures (CREE® BetaLED® Edge® CAN-EDG) *(26 56 23 00-0181)*

Note: Direct or pendant mount. UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 23 00-0183	EA	40 LEDs, 47 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	1,006.18	83.27
		For Multi-Level Drive Currents, Add	*164.64*	
26 56 23 00-0184	EA	60 LEDs, 68 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	1,210.65	87.89
		For Multi-Level Drive Currents, Add	*164.64*	
26 56 23 00-0185	EA	80 LEDs, 90 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	1,416.29	92.52
		For Multi-Level Drive Currents, Add	*164.64*	
26 56 23 00-0186	EA	100 LEDs, 111 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	1,621.93	97.14
		For Multi-Level Drive Currents, Add	*164.64*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0187	EA	120 LEDs, 132 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	1,826.40	101.77
		For Multi-Level Drive Currents, Add	*164.64*	
26 56 23 00-0188	EA	140 LEDs, 157 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	2,110.84	106.39
		For Multi-Level Drive Currents, Add	*164.64*	
26 56 23 00-0189	EA	160 LEDs, 179 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	2,315.31	111.02
		For Multi-Level Drive Currents, Add	*164.64*	
26 56 23 00-0190	EA	200 LEDs, 221 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	2,726.60	120.27
		For Multi-Level Drive Currents, Add	*164.64*	
26 56 23 00-0191	EA	240 LEDs, 264 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	3,127.46	124.89
		For Multi-Level Drive Currents, Add	*164.64*	

26 56 23 00-0192 Surface Mount, Square, LED Canopy/Soffit Fixtures (CREE® BetaLED® CPY250) *(26 56 23 00-0181)*

Note: UL wet listed. Includes 5,700K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 23 00-0193	EA	8,000 Lumens, 82 System Watts, Surface Mount, Square, LED Canopy/Soffit Fixture (CREE® BetaLED® CPY250)	599.13	92.52

26 56 23 00-0194 Recessed Mount, LED Soffit Fixtures *(26 56 23 00-0128)*

26 56 23 00-0195 Recessed Mount, Rectangular, LED Soffit Fixtures (CREE® BetaLED® SFT-227) *(26 56 23 00-0194)*

Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 23 00-0196	EA	30 LEDs, 36 System Watts, Recessed Mount, Rectangular, LED Soffit Fixture (CREE® BetaLED® SFT-227)	834.57	80.95
26 56 23 00-0197	EA	60 LEDs, 68 System Watts, Recessed Mount, Rectangular, LED Soffit Fixture (CREE® BetaLED® SFT-227)	1,091.87	87.89
26 56 23 00-0198	EA	90 LEDs, 101 System Watts, Recessed Mount, Rectangular, LED Soffit Fixture (CREE® BetaLED® SFT-227)	1,443.27	94.82
26 56 23 00-0199	EA	120 LEDs, 139 System Watts, Recessed Mount, Rectangular, LED Soffit Fixture (CREE® BetaLED® SFT-227)	1,667.64	101.77

26 56 23 00-0200 Recessed Mount, Square, LED Soffit Fixtures (CREE® BetaLED® SFT-304) *(26 56 23 00-0194)*

Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 23 00-0201	EA	40 LEDs, 47 System Watts, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304)	848.60	83.27
26 56 23 00-0202	EA	60 LEDs, 68 System Watts, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304)	935.47	87.89

26 56 23 00-0203 Surface Mount, LED Area Fixtures *(26 56 23 00-0128)*

26 56 23 00-0204 Surface Mount, Square, LED Multi-Purpose Area Fixtures (LSI Industries® Crossover® XPG) *(26 56 23 00-0203)*

Note: UL wet listed. Includes 5,300K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black or silver powder coat finish. Excludes sensors.

26 56 23 00-0205	EA	50 LEDs, 59 System Watts, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	618.96	83.27
26 56 23 00-0206	EA	50 LEDs, 59 System Watts, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	769.05	83.27
26 56 23 00-0207	EA	68 LEDs, 79 System Watts, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	651.25	92.52
26 56 23 00-0208	EA	68 LEDs, 79 System Watts, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	795.12	92.52

26 56 23 00-0209 Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour®) *(26 56 23 00-0203)*

Note: Wall, inverted, post, bollard, floodlight trunnion, or floodlight knuckle mount. UL wet listed. Includes 5,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white or bronze powder coat finish. Excludes sensors.

26 56 23 00-0210	EA	13 System Watts, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR1A)	201.98	29.63
		For Knuckle Mount Or Trunnion Mount Base, Add	*45.00*	
26 56 23 00-0211	EA	20 System Watts, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR2A)	234.35	29.63
		For Knuckle Mount Or Trunnion Mount Base, Add	*45.00*	
26 56 23 00-0212	EA	30 System Watts, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR3A)	296.01	29.63
		For Knuckle Mount Or Trunnion Mount Base, Add	*45.00*	

26 56 23 00-0213 Surface Mount, LED Facade Fixtures *(26 56 23 00-0128)*

26 56 23 00-0214 Surface Mount, LED Facade Fixtures (lumenpulse™ lumenfacade™) *(26 56 23 00-0213)*

26 56 23 00-0215	EA	12" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	392.22	34.61
26 56 23 00-0216	EA	24" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	629.58	31.60
26 56 23 00-0217	EA	36" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	799.36	26.33
26 56 23 00-0218	EA	48" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	969.12	21.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0219		Post Top, LED Area Fixtures *(26 56 23 00-0128)*		
26 56 23 00-0220		Post Top, LED Area Fixtures (Cooper Lighting Invue® MSA) *(26 56 23 00-0219)* Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 350mA remote driver, die-cast extruded aluminum housing assembly and white, black, grey, dark platinum, graphite metallic or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0221	EA	1,800 Lumens, 27 System Watts, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO1)	1,125.82	127.20
26 56 23 00-0222	EA	3,400 Lumens, 54 System Watts, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO2)	1,237.00	127.20
26 56 23 00-0223	EA	77 System Watts, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO3)	1,324.89	127.20
26 56 23 00-0224		Post Top, LED Area Fixtures (General Electric EPAS) *(26 56 23 00-0219)* Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, green or bronze powder coat finish. Includes photocontrol sensor.		
26 56 23 00-0225	EA	2,400 Lumens, 49 System Watts, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS)	2,202.69	127.20
26 56 23 00-0226	EA	4,600 Lumens, 86 System Watts, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS)	2,286.29	127.20
26 56 23 00-0227		Post Top, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDR) *(26 56 23 00-0219)* Note: UL wet listed. Includes 4,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0228	EA	13,800 Lumens, 130 System Watts, Post Top Mount, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR)	1,855.62	127.20
26 56 23 00-0229		LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAAH53) *(26 56 23 00-0219)* Note: Includes 4,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0139 for disposal of hazardous lamps.		
26 56 23 00-0230	EA	LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAAH53)	522.37	69.38
		For 0 To 10 Volt Dimming, Add	*37.15*	
26 56 23 00-0231		LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT) *(26 56 23 00-0219)* Note: Includes 3,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0139 for disposal of hazardous lamps.		
26 56 23 00-0232	EA	LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT)	324.47	14.80
		For Backlight Control Shield, Add	*25.06*	
26 56 23 00-0233		Induction Area Fixtures *(26 56 23)*		
26 56 23 00-0234		Post Top, Induction Area Fixtures *(26 56 23 00-0233)*		
26 56 23 00-0235		Post Top, Induction Area Fixtures (Crystal Lighting) *(26 56 23 00-0234)* Note: Includes black powder coat finish heavy duty die cast aluminum body and acrylic lens.		
26 56 23 00-0236	EA	65 Watt Induction, Post Top Mount, Acorn Style Area Fixture (Crystal Lighting CLP-ACRN)	629.87	127.20
26 56 23 00-0237	EA	80 Watt Induction, Post Top Mount, Acorn Style Area Fixture (Crystal Lighting CLP-ACRN)	695.02	127.20
26 56 23 00-0238		Post Top, Induction Area Fixtures (US Lighting Tech) *(26 56 23 00-0234)* Note: Includes black powder coat finish heavy duty die cast aluminum body and no-lite lid acrylic lens.		
26 56 23 00-0239	EA	40 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	653.06	127.20
26 56 23 00-0240	EA	70 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	717.11	127.20
26 56 23 00-0241	EA	100 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	717.11	127.20
26 56 23 00-0242	EA	150 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	717.11	127.20
26 56 23 00-0243		Surface Mount, Induction Parking Structure Fixtures *(26 56 23 00-0233)*		
26 56 23 00-0244		Surface Mount, Induction Parking Structure Fixtures (Everlast®) *(26 56 23 00-0243)*		
26 56 23 00-0245	EA	40 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	576.01	115.64
26 56 23 00-0246	EA	55 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	618.18	117.95
26 56 23 00-0247	EA	70 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	627.23	120.27
26 56 23 00-0248	EA	80 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	636.27	122.58
26 56 23 00-0249	EA	100 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	645.31	124.89
26 56 23 00-0250	EA	120 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	658.77	127.20
26 56 23 00-0251	EA	70/28 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	691.28	120.27
26 56 23 00-0252	EA	80/32 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	700.31	122.58
26 56 23 00-0253	EA	100/40 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	709.36	124.89
26 56 23 00-0254	EA	120/48 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	741.59	127.20

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0255		Pole Mount, Induction Area Fixtures *(26 56 23 00-0233)*		
26 56 23 00-0256		Pole Mount, Bi-Level Induction Area Fixtures (Everlast® ESB-ED) *(26 56 23 00-0255)* Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 23 00-0257	EA	70 Watts, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-70)	671.02	78.64
26 56 23 00-0258	EA	80 Watts, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-80)	691.12	83.27
26 56 23 00-0259	EA	100 Watts, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-100)	711.21	87.89
26 56 23 00-0260		Metal Halide Area Fixtures *(26 56 23)*		
26 56 23 00-0261		Pole Mount, Metal Halide Area Fixtures *(26 56 23 00-0260)* Note: Includes pulse start ballast.		
26 56 23 00-0262	EA	150 Watt, Metal Halide Area Fixture, Pole Mount	634.86	115.90
26 56 23 00-0263	EA	175 Watt, Metal Halide Area Fixture, Pole Mount	699.53	127.50
26 56 23 00-0264	EA	250 Watt, Metal Halide Area Fixture, Pole Mount	770.63	139.09
26 56 23 00-0265	EA	400 Watt, Metal Halide Area Fixture, Pole Mount	819.57	162.27
26 56 23 00-0266		High Pressure Sodium Area Fixtures *(26 56 23)*		
26 56 23 00-0267		Pole Mount, High Pressure Sodium Area Fixtures *(26 56 23 00-0266)*		
26 56 23 00-0268	EA	100 Watt, High Pressure Sodium Area Fixture, Pole Mount	527.57	92.73
26 56 23 00-0269	EA	150 Watt, High Pressure Sodium Area Fixture, Pole Mount	582.34	115.90
26 56 23 00-0270	EA	250 Watt, High Pressure Sodium Area Fixture, Pole Mount	636.07	139.09
26 56 23 00-0271	EA	400 Watt, High Pressure Sodium Area Fixture, Pole Mount	680.97	162.27
26 56 23 00-0272		Area Lighting Accessories *(26 56 23)*		
26 56 23 00-0273		Outdoor Motion Sensors *(26 56 23 00-0272)*		
26 56 23 00-0274	EA	70' Range, 180 Degree Detection Zone, 8 Amp Switching Capacity, Polycarbonate Housing, Outdoor Motion Sensor (Lithonia OMS 1000)	74.72	20.61
26 56 23 00-0275	EA	70' Range, 200 Degree Detection Zone, 10 Amp Switching Capacity, Cast Aluminum Housing, Outdoor Motion Sensor (Lithonia OMS 2000)	80.79	20.61
26 56 23 00-0276	EA	30' Range, 360 Degree Detection Zone, Line Voltage, Plastic Housing, IP66 Rated, Outdoor Motion Sensor With Photocell (SensorSwitch SBOR)	306.36	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.36*	

26 56 26 Landscape Lighting *(26 56)*

26 56 26 00-0001		Bollards *(26 56 26)* Note: Excludes concrete base.		
26 56 26 00-0002		Aluminum Architectural Bollards *(26 56 26 00-0001)*		
26 56 26 00-0003		High Pressure Sodium, Aluminum Architectural Bollards *(26 56 26 00-0002)*		
26 56 26 00-0004		Square, High Pressure Sodium, Aluminum Architectural Bollards *(26 56 26 00-0003)*		
26 56 26 00-0005	EA	24" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	827.08	69.95
26 56 26 00-0006	EA	30" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	835.30	74.07
26 56 26 00-0007	EA	36" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	843.53	78.18
26 56 26 00-0008	EA	42" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	785.40	82.30
26 56 26 00-0009	EA	24" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	827.08	69.95
26 56 26 00-0010	EA	30" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	835.30	74.07
26 56 26 00-0011	EA	36" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	843.53	78.18
26 56 26 00-0012	EA	42" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	785.40	82.30
26 56 26 00-0013	EA	24" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	827.08	69.95
26 56 26 00-0014	EA	30" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	835.30	74.07
26 56 26 00-0015	EA	36" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	843.53	78.18
26 56 26 00-0016	EA	42" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	785.40	82.30
26 56 26 00-0017	EA	24" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	827.08	69.95
26 56 26 00-0018	EA	30" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	835.30	74.07
26 56 26 00-0019	EA	36" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	843.53	78.18
26 56 26 00-0020	EA	42" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	785.40	82.30
26 56 26 00-0021		Round, High Pressure Sodium, Aluminum Architectural Bollards *(26 56 26 00-0003)*		
26 56 26 00-0022	EA	24" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	796.61	69.95
26 56 26 00-0023	EA	30" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	804.83	74.07
26 56 26 00-0024	EA	36" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	813.06	78.18
26 56 26 00-0025	EA	42" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	754.65	82.30
26 56 26 00-0026	EA	24" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	796.61	69.95
26 56 26 00-0027	EA	30" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	804.83	74.07
26 56 26 00-0028	EA	36" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	813.06	78.18
26 56 26 00-0029	EA	42" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	754.65	82.30
26 56 26 00-0030	EA	24" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	796.61	69.95
26 56 26 00-0031	EA	30" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	804.83	74.07
26 56 26 00-0032	EA	36" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	813.06	78.18
26 56 26 00-0033	EA	42" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	754.65	82.30
26 56 26 00-0034	EA	24" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	796.61	69.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 26 00-0035	EA	30" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	804.83	74.07
26 56 26 00-0036	EA	36" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	813.06	78.18
26 56 26 00-0037	EA	42" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	754.65	82.30
26 56 26 00-0038		Metal Halide, Aluminum Architectural Bollards *(26 56 26 00-0002)*		
26 56 26 00-0039		Square, Metal Halide, Aluminum Architectural Bollards *(26 56 26 00-0038)*		
26 56 26 00-0040	EA	24" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	866.65	69.95
26 56 26 00-0041	EA	30" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	874.87	74.07
26 56 26 00-0042	EA	36" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	883.10	78.18
26 56 26 00-0043	EA	42" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	824.69	82.30
26 56 26 00-0044	EA	24" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	866.65	69.95
26 56 26 00-0045	EA	30" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	874.87	74.07
26 56 26 00-0046	EA	36" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	883.10	78.18
26 56 26 00-0047	EA	42" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	824.69	82.30
26 56 26 00-0048	EA	24" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	866.65	69.95
26 56 26 00-0049	EA	30" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	874.87	74.07
26 56 26 00-0050	EA	36" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	883.10	78.18
26 56 26 00-0051	EA	42" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	857.80	82.30
26 56 26 00-0052		Round, Metal Halide, Aluminum Architectural Bollards *(26 56 26 00-0038)*		
26 56 26 00-0053	EA	24" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	835.90	69.95
26 56 26 00-0054	EA	30" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	844.12	74.07
26 56 26 00-0055	EA	36" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	852.35	78.18
26 56 26 00-0056	EA	42" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	793.94	82.30
26 56 26 00-0057	EA	24" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	835.90	69.95
26 56 26 00-0058	EA	30" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	844.12	74.07
26 56 26 00-0059	EA	36" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	852.35	78.18
26 56 26 00-0060	EA	42" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	793.94	82.30
26 56 26 00-0061	EA	24" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	835.90	69.95
26 56 26 00-0062	EA	30" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	844.12	74.07
26 56 26 00-0063	EA	36" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	852.35	78.18
26 56 26 00-0064	EA	42" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	793.94	82.30
26 56 26 00-0065		Compact Fluorescent, Aluminum Architectural Bollards *(26 56 26 00-0002)*		
26 56 26 00-0066		Square, Compact Fluorescent, Aluminum Architectural Bollards *(26 56 26 00-0065)*		
26 56 26 00-0067	EA	24" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	823.61	69.95
26 56 26 00-0068	EA	30" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	831.83	74.07
26 56 26 00-0069	EA	36" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	840.06	78.18
26 56 26 00-0070	EA	42" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	782.56	82.30
26 56 26 00-0071	EA	24" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	823.61	69.95
26 56 26 00-0072	EA	30" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	831.83	74.07
26 56 26 00-0073	EA	36" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	840.06	78.18
26 56 26 00-0074	EA	42" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	782.56	82.30
26 56 26 00-0075	EA	24" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	823.61	69.95
26 56 26 00-0076	EA	30" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	831.83	74.07
26 56 26 00-0077	EA	36" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	840.06	78.18
26 56 26 00-0078	EA	42" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	782.56	82.30
26 56 26 00-0079		Round, Compact Fluorescent, Aluminum Architectural Bollards *(26 56 26 00-0065)*		
26 56 26 00-0080	EA	24" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	793.53	69.95
26 56 26 00-0081	EA	30" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	801.75	74.07
26 56 26 00-0082	EA	36" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	809.98	78.18
26 56 26 00-0083	EA	42" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	753.06	82.30
26 56 26 00-0084	EA	24" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	793.53	69.95
26 56 26 00-0085	EA	30" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	801.75	74.07
26 56 26 00-0086	EA	36" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	809.98	78.18
26 56 26 00-0087	EA	42" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	753.06	82.30
26 56 26 00-0088	EA	24" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	793.53	69.95
26 56 26 00-0089	EA	30" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	801.75	74.07
26 56 26 00-0090	EA	36" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	809.98	78.18
26 56 26 00-0091	EA	42" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	753.06	82.30
26 56 26 00-0092		LED, Aluminum Architectural Bollards *(26 56 26 00-0002)*		
26 56 26 00-0093		Square, LED, Aluminum Architectural Bollards *(26 56 26 00-0092)*		
26 56 26 00-0094	EA	24" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard	979.79	69.95
26 56 26 00-0095	EA	30" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard	988.01	74.07
26 56 26 00-0096	EA	36" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard	996.24	78.18
26 56 26 00-0097	EA	42" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard	939.57	82.30
26 56 26 00-0098	EA	24" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard	1,189.18	69.95
26 56 26 00-0099	EA	30" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard	1,197.40	74.07
26 56 26 00-0100	EA	36" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard	1,205.63	78.18
26 56 26 00-0101	EA	42" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard	1,147.92	82.30

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 26 00-0102		Round, LED, Aluminum Architectural Bollards *(26 56 26 00-0092)*		
26 56 26 00-0103	EA	24" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard	948.55	69.95
26 56 26 00-0104	EA	30" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard	956.77	74.07
26 56 26 00-0105	EA	36" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard	965.00	78.18
26 56 26 00-0106	EA	42" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard	907.29	82.30
26 56 26 00-0107	EA	24" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard	1,157.95	69.95
26 56 26 00-0108	EA	30" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard	1,166.17	74.07
26 56 26 00-0109	EA	36" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard	1,174.40	78.18
26 56 26 00-0110	EA	42" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard	1,117.05	82.30
26 56 26 00-0111		Reinforced Concrete Bollards *(26 56 26 00-0001)*		
26 56 26 00-0112	EA	48" Overall Height, 12" Diameter, LED Light, Reinforced Concrete Bollard	882.91	205.73
26 56 26 00-0113	EA	58" Overall Height, 18" Diameter, High Intensity Discharge (HID) Light, Reinforced Concrete Bollard	1,447.80	274.28
26 56 26 00-0114		Low Voltage *(26 56 26)*		
26 56 26 00-0115	EA	Low Voltage Recessed Uplight	646.24	149.77
26 56 26 00-0116	EA	Low Voltage Walkway	477.17	82.30
26 56 26 00-0117	EA	Low Voltage Malibu - 5 Light Set	447.07	109.86
26 56 26 00-0118	EA	Low Voltage Mushroom 24" Pier	397.60	82.30
26 56 26 00-0119		Recessed, Adjustable *(26 56 26)*		
26 56 26 00-0120	EA	150 Watt Incandescent Recessed, Adjustable	791.88	131.67
26 56 26 00-0121	EA	300 Watt Incandescent Recessed, Adjustable	877.13	131.67
26 56 26 00-0122		Recessed, Uplight *(26 56 26)*		
26 56 26 00-0123	EA	50 Watt Incandescent Recessed Uplight	695.26	131.67
26 56 26 00-0124	EA	150 Watt Incandescent Recessed Uplight	712.31	131.67
26 56 26 00-0125	EA	300 Watt Incandescent Recessed Uplight	763.46	131.67
26 56 26 00-0126	EA	500 Watt Quartz Recessed Uplight	757.77	131.67
26 56 26 00-0127	EA	5 Watt LED Recessed Uplight	645.44	131.67
26 56 26 00-0128	EA	15 Watt LED Recessed Uplight	703.76	131.67
26 56 26 00-0129		Recessed Wall Light *(26 56 26)*		
26 56 26 00-0130	EA	100 Watt Incandescent Recessed Wall Light	346.45	82.30
26 56 26 00-0131	EA	100 Watt Fluorescent Recessed Wall Light	329.40	82.30
26 56 26 00-0132	EA	100 Watt High Intensity Discharge (HID) Recessed Wall Light	555.06	109.86
26 56 26 00-0133		Step Lights *(26 56 26)*		
26 56 26 00-0134	EA	Incandescent Step Light	285.08	65.84
26 56 26 00-0135	EA	Fluorescent Step Light	341.96	65.84
26 56 26 00-0136	EA	5 Watt LED Step Light	351.34	65.84
26 56 26 00-0137	EA	15 Watt LED Step Light	413.54	65.84
26 56 26 00-0138		Tree Lights, Surface Adjustable *(26 56 26)*		
26 56 26 00-0139	EA	50 Watt Incandescent Tree Lights	628.94	109.86
26 56 26 00-0140	EA	100 Watt Incandescent Tree Lights	645.99	109.86
26 56 26 00-0141	EA	150 Watt Incandescent Tree Lights	783.85	164.58
26 56 26 00-0142		Underwater Lights *(26 56 26)*		
26 56 26 00-0143	EA	150 Watt, 120 Volt Underwater Lights	547.09	54.72
26 56 26 00-0144	EA	300 Watt, 120 Volt Underwater Lights	615.29	54.72
26 56 26 00-0145	EA	1,000 Watt, 120 Volt Underwater Lights	1,557.04	82.30
26 56 26 00-0146	EA	50 Watt, 12 V Underwater Lights	575.51	54.72
26 56 26 00-0147	EA	300 Watt, 12 V Underwater Lights	655.08	54.72
26 56 26 00-0148	EA	Under Water Fountain Fixture, Set Of 6, 300 Watt, Incandescent	1,695.81	123.44
26 56 33		**Walkway Lighting** *(26 56)*		
26 56 33 00-0001		Incandescent Walkway *(26 56 33)*		
26 56 33 00-0002	EA	Post Top 300 Watt Incandescent Walkway Fixture	357.93	76.53
26 56 33 00-0003		Metal Halide Walkway *(26 56 33)*		
26 56 33 00-0004	EA	Post Top 100 Watt Metal Halide Walkway Fixture	548.41	120.31
26 56 33 00-0005	EA	Post Top 150-175 Watt Metal Halide Walkway Fixture	583.94	124.67
26 56 33 00-0006	EA	Post Top 250 Watt Metal Halide Walkway Fixture	635.61	129.44
26 56 33 00-0007	EA	Post Top 400 Watt Metal Halide Walkway Fixture	679.04	139.90
26 56 33 00-0008	EA	Round Luminaries 100 Watt Metal Halide Walkway Fixture	599.72	129.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 33 00-0009	EA	Round Luminaries 150-175 Watt Metal Halide Walkway Fixture	617.45	120.31
26 56 33 00-0010	EA	Round Luminaries 250 Watt Metal Halide Walkway Fixture	627.02	124.67
26 56 33 00-0011	EA	Spherical 100 Watt Metal Halide Walkway Fixture	512.39	85.75
26 56 33 00-0012	EA	Spherical 150-175 Watt Metal Halide Walkway Fixture	548.28	85.75
26 56 33 00-0013	EA	Spherical 250 Watt Metal Halide Walkway Fixture	584.17	85.75
26 56 33 00-0014	EA	Spherical 400 Watt Metal Halide Walkway Fixture	659.74	96.53
26 56 33 00-0015	EA	Low Walkway 100 Watt Metal Halide Walkway Fixture	495.05	77.02
26 56 33 00-0016		High Pressure Sodium Walkway *(26 56 33)*		
26 56 33 00-0017	EA	Post Top 100 Watt High Pressure Sodium Walkway Fixture	481.08	120.31
26 56 33 00-0018	EA	Post Top 150-175 Watt High Pressure Sodium Walkway Fixture	510.75	124.67
26 56 33 00-0019	EA	Post Top 250 Watt High Pressure Sodium Walkway Fixture	553.18	129.44
26 56 33 00-0020	EA	Post Top 400 Watt High Pressure Sodium Walkway Fixture	591.73	139.90
26 56 33 00-0021	EA	Round Luminaries 100 Watt High Pressure Sodium Walkway Fixture	525.14	129.44
26 56 33 00-0022	EA	Round Luminaries 150-175 Watt High Pressure Sodium Walkway Fixture	535.02	120.31
26 56 33 00-0023	EA	Round Luminaries 250 Watt High Pressure Sodium Walkway Fixture	544.41	124.67
26 56 33 00-0024	EA	Spherical 100 Watt High Pressure Sodium Walkway Fixture	437.81	85.75
26 56 33 00-0025	EA	Spherical 175 150-Watt High Pressure Sodium Walkway Fixture	465.85	85.75
26 56 33 00-0026	EA	Spherical 250 Watt High Pressure Sodium Walkway Fixture	493.89	85.75
26 56 33 00-0027	EA	Spherical 400 Watt High Pressure Sodium Walkway Fixture	557.68	96.53
26 56 33 00-0028	EA	Low Walkway 100 Watt High Pressure Sodium Walkway Fixture	420.47	77.02
26 56 33 00-0029		Walkway, Adjustable *(26 56 33)*		
26 56 33 00-0030	EA	2' Fluorescent Adjustable Walkway Fixture	520.75	109.86
26 56 33 00-0031	EA	4' Fluorescent Adjustable Walkway Fixture	538.45	109.86
26 56 33 00-0032	EA	8' Fluorescent Adjustable Walkway Fixture	954.81	164.58
26 56 33 00-0033	EA	50 Watt Incandescent Adjustable Walkway Fixture	447.89	82.30
26 56 33 00-0034	EA	150 Watt Incandescent Adjustable Walkway Fixture	471.50	82.30
26 56 33 00-0035		LED Walkway *(26 56 33)*		
26 56 33 00-0036		LED Pathway Fixtures (CREE® BetaLED® Edge® PWY-EDG) *(26 56 33 00-0035)* Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 33 00-0037	EA	13" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	693.32	63.19
		For Multi-Level Drive Currents, Add	*164.64*	
26 56 33 00-0038	EA	18" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	716.84	63.19
		For Multi-Level Drive Currents, Add	*164.64*	
26 56 33 00-0039	EA	36" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	756.82	63.19
		For Multi-Level Drive Currents, Add	*164.64*	
26 56 33 00-0040	EA	42" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	787.40	63.19
		For Multi-Level Drive Currents, Add	*164.64*	
26 56 33 00-0041	EA	96" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	904.52	81.25
		For Multi-Level Drive Currents, Add	*164.64*	
26 56 36		**Flood Lighting** *(26 56)*		
26 56 36 00-0001		General Electric Powerflood® Flood Lights *(26 56 36)*		
26 56 36 00-0002		MPF (Small Size) Series GE Flood Lights *(26 56 36 00-0001)* Note: For perimeters, entrances, building facades and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. 1/2" threaded mounting knuckle.		
26 56 36 00-0003		High Pressure Sodium MPF Series GE Flood Lights *(26 56 36 00-0002)*		
26 56 36 00-0004	EA	70 Watt High Pressure Sodium MPF Series GE Flood Light	225.43	69.54
26 56 36 00-0005	EA	100 Watt High Pressure Sodium MPF Series GE Flood Light	227.16	69.54
26 56 36 00-0006	EA	150 Watt High Pressure Sodium MPF Series GE Flood Light	230.03	69.54
26 56 36 00-0007		Metal Halide MPF Series GE Flood Lights *(26 56 36 00-0002)*		
26 56 36 00-0008	EA	70 Watt Metal Halide MPF Series GE Flood Light	293.93	69.54
26 56 36 00-0009		P-154 (Small Size) Series GE Flood Lights *(26 56 36 00-0001)* Note: For parking lots, building security, building facades, recreation areas and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0010		High Pressure Sodium P-154 Series GE Flood Lights *(26 56 36 00-0009)*		
26 56 36 00-0011	EA	70 Watt High Pressure Sodium P-154 Series GE Flood Light	433.53	92.73
26 56 36 00-0012	EA	100 Watt High Pressure Sodium P-154 Series GE Flood Light	435.84	92.73
26 56 36 00-0013	EA	150 Watt High Pressure Sodium P-154 Series GE Flood Light	439.87	92.73
26 56 36 00-0014	EA	250 Watt High Pressure Sodium P-154 Series GE Flood Light	485.34	92.73
26 56 36 00-0015	EA	400 Watt High Pressure Sodium P-154 Series GE Flood Light	498.58	92.73
26 56 36 00-0016		Metal Halide P-154 Series GE Flood Lights *(26 56 36 00-0009)*		
26 56 36 00-0017	EA	175 Watt Metal Halide P-154 Series GE Flood Light	429.50	92.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0018	EA	250 Watt Metal Halide P-154 Series GE Flood Light	449.65	92.73
26 56 36 00-0019	EA	400 Watt Metal Halide P-154 Series GE Flood Light	460.01	92.73
26 56 36 00-0020		PF-154 (Medium Size) Series GE Flood Lights *(26 56 36 00-0001)*		
		Note: For parking lots, building security and building facades. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0021		High Pressure Sodium PF-154 Series GE Flood Lights *(26 56 36 00-0020)*		
26 56 36 00-0022	EA	70 Watt High Pressure Sodium PF-154 Series GE Flood Light	446.93	104.32
26 56 36 00-0023	EA	100 Watt High Pressure Sodium PF-154 Series GE Flood Light	449.81	104.32
26 56 36 00-0024	EA	150 Watt High Pressure Sodium PF-154 Series GE Flood Light	454.41	104.32
26 56 36 00-0025	EA	250 Watt High Pressure Sodium PF-154 Series GE Flood Light	499.31	104.32
26 56 36 00-0026	EA	400 Watt High Pressure Sodium PF-154 Series GE Flood Light	511.97	104.32
26 56 36 00-0027		Metal Halide PF-154 GE Flood Lights *(26 56 36 00-0020)*		
26 56 36 00-0028	EA	175 Watt Metal Halide PF-154 Series GE Flood Light	443.47	104.32
26 56 36 00-0029	EA	250 Watt Metal Halide PF-154 Series GE Flood Light	463.05	104.32
26 56 36 00-0030	EA	400 Watt Metal Halide PF-154 Series GE Flood Light	473.41	104.32
26 56 36 00-0031		PF-400 (Medium Size) Series GE Flood Lights *(26 56 36 00-0001)*		
		Note: For parking lots, building security, building facades, shipping yards and rail yards. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0032		High Pressure Sodium PF-400 Series GE Flood Lights *(26 56 36 00-0031)*		
26 56 36 00-0033	EA	150 Watt High Pressure Sodium PF-400 Series GE Flood Light	582.77	104.32
26 56 36 00-0034	EA	200 Watt High Pressure Sodium PF-400 Series GE Flood Light	623.06	104.32
26 56 36 00-0035	EA	250 Watt High Pressure Sodium PF-400 Series GE Flood Light	620.18	104.32
26 56 36 00-0036	EA	400 Watt High Pressure Sodium PF-400 Series GE Flood Light	634.57	104.32
26 56 36 00-0037		Metal Halide PF-400 GE Flood Lights *(26 56 36 00-0031)*		
26 56 36 00-0038	EA	175 Watt Metal Halide PF-400 Series GE Flood Light	597.74	104.32
26 56 36 00-0039	EA	250 Watt Metal Halide PF-400 Series GE Flood Light	609.82	104.32
26 56 36 00-0040	EA	400 Watt Metal Halide PF-400 Series GE Flood Light	622.49	104.32
26 56 36 00-0041		PF-1000 (Large Size) Series GE Flood Lights *(26 56 36 00-0001)*		
		Note: For parking lots, industrial yards and sports stadiums. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0042		High Pressure Sodium PF-1000 Series GE Flood Lights *(26 56 36 00-0041)*		
26 56 36 00-0043	EA	750 Watt High Pressure Sodium PF-1000 Series GE Flood Light	778.06	115.90
26 56 36 00-0044	EA	1,000 Watt High Pressure Sodium PF-1000 Series GE Flood Light	778.06	115.90
26 56 36 00-0045		Metal Halide PF-1000 Series GE Flood Lights *(26 56 36 00-0041)*		
26 56 36 00-0046	EA	1,000 Watt Metal Halide PF-1000 Series GE Flood Light	744.68	115.90
26 56 36 00-0047		HLU/VLU (Medium Size) FRP Series GE Flood Lights *(26 56 36 00-0001)*		
		Note: For parking lots, industrial yards, construction sites, recreation areas and facades. Includes corrosion resistant reinforced polyester housing and thermal shock resistant lens. Hydroformed aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0048		High Pressure Sodium HLU/VLU FRP Series GE Flood Lights *(26 56 36 00-0047)*		
26 56 36 00-0049	EA	250 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light	638.03	104.32
26 56 36 00-0050	EA	400 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light	648.96	104.32
26 56 36 00-0051		Metal Halide HLU/VLU Series GE Flood Lights *(26 56 36 00-0047)*		
26 56 36 00-0052	EA	400 Watt Metal Halide HLU/VLU FRP Series GE Flood Light	644.36	104.32
26 56 36 00-0053		Accessories For Powerflood GE Flood Lights *(26 56 36 00-0001)*		
26 56 36 00-0054	EA	Wireguard For Powerflood GE Flood Light	112.55	23.18
26 56 36 00-0055	EA	Polycarbonate Vandal Shield For Powerflood GE Flood Light	69.96	23.18
26 56 36 00-0056	EA	Top Visor For Powerflood Flood Light	96.44	23.18
26 56 36 00-0057	EA	Top And Two Side Visors For Powerflood GE Flood Light	76.29	23.18
26 56 36 00-0058	EA	Pipe Wall Mounting Bracket For Powerflood GE Flood Light	197.80	69.54
26 56 36 00-0059	EA	Multiple Mounting Channel For Powerflood GE Flood Light	82.62	23.18
26 56 36 00-0060	EA	Wall Or Flat Surface Bracket For Powerflood GE Flood Light	154.63	69.54
26 56 36 00-0061	EA	Steel Angle Bracket For Powerflood GE Flood Light	159.81	69.54
26 56 36 00-0062	EA	Cross Arm Adaptor For Powerflood GE Flood Light	64.78	23.18
26 56 36 00-0063	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Powerflood GE Flood Light	63.05	23.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0064		Lithonia Contour Series Flood Lights *(26 56 36)*		
26 56 36 00-0065		TFM (Small Size) Series Lithonia Flood Lights *(26 56 36 00-0064)*		
		Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Faceted parabolic optics. 1/2" threaded mounting knuckle.		
26 56 36 00-0066		High Pressure Sodium TFM Series Lithonia Flood Lights *(26 56 36 00-0065)*		
26 56 36 00-0067	EA	70 Watt High Pressure Sodium TFM Series Lithonia Flood Light	402.89	92.73
26 56 36 00-0068	EA	100 Watt High Pressure Sodium TFM Series Lithonia Flood Light	436.12	92.73
26 56 36 00-0069	EA	150 Watt High Pressure Sodium TFM Series Lithonia Flood Light	468.67	92.73
26 56 36 00-0070		Metal Halide TFM Series Lithonia Flood Lights *(26 56 36 00-0065)*		
26 56 36 00-0071	EA	50 Watt Metal Halide TFM Series Lithonia Flood Light	509.28	92.73
26 56 36 00-0072	EA	70 Watt Metal Halide TFM Series Lithonia Flood Light	501.28	92.73
26 56 36 00-0073	EA	100 Watt Metal Halide TFM Series Lithonia Flood Light	488.39	92.73
26 56 36 00-0074	EA	175 Watt Metal Halide TFM Series Lithonia Flood Light	487.43	92.73
26 56 36 00-0075		Compact Fluorescent TFM Series Lithonia Flood Lights *(26 56 36 00-0065)*		
26 56 36 00-0076	EA	42 Watt Compact Fluorescent TFM Series Lithonia Flood Light	505.97	92.73
26 56 36 00-0077		TFL (Medium Size) Series Lithonia Flood Lights *(26 56 36 00-0064)*		
		Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0078		High Pressure Sodium TFL Series Lithonia Flood Lights *(26 56 36 00-0077)*		
26 56 36 00-0079	EA	250 Watt High Pressure Sodium TFL Series Lithonia Flood Light	599.26	104.32
26 56 36 00-0080	EA	400 Watt High Pressure Sodium TFL Series Lithonia Flood Light	610.34	104.32
26 56 36 00-0081		Metal Halide TFL Series Lithonia Flood Lights *(26 56 36 00-0077)*		
26 56 36 00-0082	EA	175 Watt Metal Halide TFL Series Lithonia Flood Light	574.34	104.32
26 56 36 00-0083	EA	250 Watt Metal Halide TFL Series Lithonia Flood Light	574.34	104.32
26 56 36 00-0084	EA	400 Watt Metal Halide TFL Series Lithonia Flood Light	591.73	104.32
26 56 36 00-0085		TFR (Low Profile) Series Lithonia Flood Lights *(26 56 36 00-0064)*		
		Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0086		High Pressure Sodium TFR Lithonia Flood Lights *(26 56 36 00-0085)*		
26 56 36 00-0087	EA	150 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	570.55	92.73
26 56 36 00-0088	EA	250 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	587.14	92.73
26 56 36 00-0089	EA	400 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	601.00	92.73
26 56 36 00-0090		Metal Halide TFR Lithonia Flood Lights *(26 56 36 00-0085)*		
26 56 36 00-0091	EA	250 Watt Metal Halide TFR Series Lithonia Flood Light	565.00	92.73
26 56 36 00-0092	EA	400 Watt Metal Halide TFR Series Lithonia Flood Light	581.61	92.73
26 56 36 00-0093		TFA (Large Size) Series Lithonia Flood Lights *(26 56 36 00-0064)*		
		Note: For industrial yards, parking lots, construction sites, streets and recreational areas. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0094		High Pressure Sodium TFA Series Lithonia Flood Lights *(26 56 36 00-0093)*		
26 56 36 00-0095	EA	1,000 Watt High Pressure Sodium TFA Series Lithonia Flood Light	1,076.66	115.90
26 56 36 00-0096		Metal Halide TFA Series Lithonia Flood Lights *(26 56 36 00-0093)*		
26 56 36 00-0097	EA	400 Watt Metal Halide TFA Series Lithonia Flood Light	841.21	115.90
26 56 36 00-0098	EA	1,000 Watt Metal Halide TFA Series Lithonia Flood Light	924.30	115.90
26 56 36 00-0099		Accessories For Contour Series Lithonia Flood Lights *(26 56 36 00-0064)*		
26 56 36 00-0100	EA	Wireguard For Contour Series Lithonia Flood Light	98.59	23.18
26 56 36 00-0101	EA	Vandal Guard For Contour Series Lithonia Flood Light	180.15	23.18
26 56 36 00-0102	EA	Upper Visor For Contour Series Lithonia Flood Light	83.20	23.18
26 56 36 00-0103	EA	Full Visor For Contour Series Lithonia Flood Light	108.12	23.18
26 56 36 00-0104	EA	Pipe Wall Mounting Bracket For Contour Series Lithonia Flood Light	249.87	69.54
26 56 36 00-0105	EA	Radius Wall Bracket For Contour Series Lithonia Flood Light	205.77	69.54
26 56 36 00-0106	EA	Steel Angle Bracket For Contour Series Lithonia Flood Light	205.77	69.54
26 56 36 00-0107	EA	U Bolt Wall Bracket For Contour Series Lithonia Flood Light, Mounts To 2" Pipe	223.36	69.54
26 56 36 00-0108	EA	Crossarm Adapter For Horizontal Mounted Contour Lithonia Series Flood Light	94.80	23.18
26 56 36 00-0109	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Contour Lithonia Series Flood Light	77.90	23.18

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0110		Ruud Flood Lights *(26 56 36)*		
26 56 36 00-0111		NS (Micro) Series Ruud Flood Lights *(26 56 36 00-0110)* Note: Provides conventional floodlighting. 1/2" threaded mounting knuckle.		
26 56 36 00-0112		High Pressure Sodium NS Series Ruud Flood Lights *(26 56 36 00-0111)*		
26 56 36 00-0113	EA	35 Watt High Pressure Sodium NS Series Ruud Flood Light	269.18	69.54
26 56 36 00-0114	EA	50 Watt High Pressure Sodium NS Series Ruud Flood Light	269.18	69.54
26 56 36 00-0115	EA	70 Watt High Pressure Sodium NS Series Ruud Flood Light	269.18	69.54
26 56 36 00-0116	EA	100 Watt High Pressure Sodium NS Series Ruud Flood Light	269.18	69.54
26 56 36 00-0117	EA	150 Watt High Pressure Sodium NS Series Ruud Flood Light	269.18	69.54
26 56 36 00-0118		Metal Halide NS Series Ruud Flood Lights *(26 56 36 00-0111)*		
26 56 36 00-0119	EA	50 Watt Metal Halide NS Series Ruud Flood Light	301.41	69.54
26 56 36 00-0120	EA	70 Watt Metal Halide NS Series Ruud Flood Light	301.41	69.54
26 56 36 00-0121	EA	100 Watt Metal Halide NS Series Ruud Flood Light	301.41	69.54
26 56 36 00-0122		Compact Fluorescent NS Series Ruud Flood Lights *(26 56 36 00-0111)*		
26 56 36 00-0123	EA	13 Watt Compact Fluorescent NS Series Ruud Flood Light	235.79	69.54
26 56 36 00-0124	EA	26 Watt Compact Fluorescent NS Series Ruud Flood Light	243.85	69.54
26 56 36 00-0125	EA	32 Watt Compact Fluorescent NS Series Ruud Flood Light	246.15	69.54
26 56 36 00-0126	EA	42 Watt Compact Fluorescent NS Series Ruud Flood Light	248.45	69.54
26 56 36 00-0127		NSF/NSW/NSC (Standard, Wide And Cutoff Micro) Series Ruud Flood Lights *(26 56 36 00-0110)* Note: The NSF is suited for large open areas and façade applications. The NSW is suited for roadway applications, parking areas or security. The NSC is designed for parking lot and outdoor sports areas. Yoke or slip fitter mounting.		
26 56 36 00-0128		High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Lights *(26 56 36 00-0127)*		
26 56 36 00-0129	EA	150 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	413.54	104.32
26 56 36 00-0130	EA	250 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	434.27	104.32
26 56 36 00-0131	EA	400 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	445.78	104.32
26 56 36 00-0132		Metal Halide NSF/NSW/NSC Series Ruud Flood Lights *(26 56 36 00-0127)*		
26 56 36 00-0133	EA	175 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	408.94	104.32
26 56 36 00-0134	EA	250 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	411.24	104.32
26 56 36 00-0135	EA	400 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	418.15	104.32
26 56 36 00-0136		Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Lights *(26 56 36 00-0127)*		
26 56 36 00-0137	EA	70 Watt Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Light	400.88	104.32
26 56 36 00-0138		FS (Square) Series Ruud Flood Lights *(26 56 36 00-0110)* Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 56 36 00-0139		High Pressure Sodium FS Series Ruud Flood Lights *(26 56 36 00-0138)*		
26 56 36 00-0140	EA	250 Watt High Pressure Sodium FS Series Ruud Flood Light	474.56	104.32
26 56 36 00-0141	EA	400 Watt High Pressure Sodium FS Series Ruud Flood Light	476.86	104.32
26 56 36 00-0142	EA	1,000 Watt High Pressure Sodium FS Series Ruud Flood Light	778.64	115.90
26 56 36 00-0143		Metal Halide FS Series Ruud Flood Lights *(26 56 36 00-0138)*		
26 56 36 00-0144	EA	175 Watt Metal Halide FS Series Ruud Flood Light	474.56	104.32
26 56 36 00-0145	EA	250 Watt Metal Halide FS Series Ruud Flood Light	476.86	104.32
26 56 36 00-0146	EA	400 Watt Metal Halide FS Series Ruud Flood Light	483.77	104.32
26 56 36 00-0147	EA	1,000 Watt Metal Halide FS Series Ruud Flood Light	702.66	115.90
26 56 36 00-0148		MFS (Mini Square) Series Ruud Flood Lights *(26 56 36 00-0110)* Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 56 36 00-0149		High Pressure Sodium MFS Series Ruud Flood Lights *(26 56 36 00-0148)*		
26 56 36 00-0150	EA	35 Watt High Pressure Sodium MFS Series Ruud Flood Light	377.70	92.73
26 56 36 00-0151	EA	50 Watt High Pressure Sodium MFS Series Ruud Flood Light	401.88	92.73
26 56 36 00-0152	EA	70 Watt High Pressure Sodium MFS Series Ruud Flood Light	401.88	92.73
26 56 36 00-0153	EA	100 Watt High Pressure Sodium MFS Series Ruud Flood Light	401.88	92.73
26 56 36 00-0154	EA	150 Watt High Pressure Sodium MFS Series Ruud Flood Light	401.88	92.73
26 56 36 00-0155		Metal Halide MFS Series Ruud Flood Lights *(26 56 36 00-0148)*		
26 56 36 00-0156	EA	50 Watt Metal Halide MFS Series Ruud Flood Light	409.93	92.73
26 56 36 00-0157	EA	70 Watt Metal Halide MFS Series Ruud Flood Light	409.93	92.73
26 56 36 00-0158	EA	100 Watt Metal Halide MFS Series Ruud Flood Light	409.93	92.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0159	EA	175 Watt Metal Halide MFS Series Ruud Flood Light	397.27	92.73
26 56 36 00-0160		MCF/MPM/MPN (Mini Cutoff. Parabolic Medium And Narrow Mini Square) Series Ruud Flood Lights *(26 56 36 00-0110)*		
		Note: The MCF is suited for parking lots, volleyball courts and tennis courts. The MPM and MPN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 56 36 00-0161		High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Lights *(26 56 36 00-0160)*		
26 56 36 00-0162	EA	35 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	406.48	92.73
26 56 36 00-0163	EA	50 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	430.66	92.73
26 56 36 00-0164	EA	70 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	430.66	92.73
26 56 36 00-0165	EA	100 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	430.66	92.73
26 56 36 00-0166	EA	150 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	430.66	92.73
26 56 36 00-0167		Metal Halide MCF/MPM/MPN Series Ruud Flood Lights *(26 56 36 00-0160)*		
26 56 36 00-0168	EA	50 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	438.71	92.73
26 56 36 00-0169	EA	70 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	438.71	92.73
26 56 36 00-0170	EA	100 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	438.71	92.73
26 56 36 00-0171	EA	175 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	426.05	92.73
26 56 36 00-0172		CF (Cutoff Square) Series Ruud Flood Lights *(26 56 36 00-0110)*		
		Note: The CF is suited for parking lots, volleyball courts and tennis courts. Yoke or slip fitter mounting.		
26 56 36 00-0173		High Pressure Sodium CF Series Ruud Flood Lights *(26 56 36 00-0172)*		
26 56 36 00-0174	EA	250 Watt High Pressure Sodium CF Series Ruud Flood Light	528.66	104.32
26 56 36 00-0175	EA	400 Watt High Pressure Sodium CF Series Ruud Flood Light	540.18	104.32
26 56 36 00-0176	EA	1,000 Watt High Pressure Sodium CF Series Ruud Flood Light	807.42	115.90
26 56 36 00-0177		Metal Halide CF Series Ruud Flood Lights *(26 56 36 00-0172)*		
26 56 36 00-0178	EA	175 Watt Metal Halide CF Series Ruud Flood Light	503.34	104.32
26 56 36 00-0179	EA	250 Watt Metal Halide CF Series Ruud Flood Light	505.64	104.32
26 56 36 00-0180	EA	400 Watt Metal Halide CF Series Ruud Flood Light	512.55	104.32
26 56 36 00-0181	EA	1,000 Watt Metal Halide CF Series Ruud Flood Light	731.44	115.90
26 56 36 00-0182		CN (Narrow Beam Cutoff Square) Series Ruud Flood Lights *(26 56 36 00-0110)*		
		Note: The CN is suited for large sports fields, building facades and signs. Yoke or slip fitter mounting.		
26 56 36 00-0183		High Pressure Sodium CN Series Ruud Flood Lights *(26 56 36 00-0182)*		
26 56 36 00-0184	EA	400 High Pressure Sodium CN Series Ruud Flood Light	673.88	115.90
26 56 36 00-0185	EA	1,000 High Pressure Sodium CN Series Ruud Flood Light	793.61	115.90
26 56 36 00-0186		Metal Halide CN Series Ruud Flood Lights *(26 56 36 00-0182)*		
26 56 36 00-0187	EA	400 Watt Metal Halide CN Series Ruud Flood Light	646.25	115.90
26 56 36 00-0188	EA	1,000 Watt Metal Halide CN Series Ruud Flood Light	717.63	115.90
26 56 36 00-0189		PM/PN (Parabolic Medium And Narrow Square) Series Ruud Flood Lights *(26 56 36 00-0110)*		
		Note: The PM and PN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 56 36 00-0190		High Pressure Sodium PM/PN Series Ruud Flood Lights *(26 56 36 00-0189)*		
26 56 36 00-0191	EA	250 Watt High Pressure Sodium PM/PN Series Ruud Flood Light	544.78	104.32
26 56 36 00-0192	EA	400 Watt High Pressure Sodium PM/PN Series Ruud Flood Light	556.29	104.32
26 56 36 00-0193		Metal Halide PM/PN Series Ruud Flood Lights *(26 56 36 00-0189)*		
26 56 36 00-0194	EA	175 Watt Metal Halide PM/PN Series Ruud Flood Light	519.45	104.32
26 56 36 00-0195	EA	250 Watt Metal Halide PM/PN Series Ruud Flood Light	521.76	104.32
26 56 36 00-0196	EA	400 Watt Metal Halide PM/PN Series Ruud Flood Light	528.66	104.32
26 56 36 00-0197	EA	1,000 Watt Metal Halide PM/PN Series Ruud Flood Light	747.56	115.90
26 56 36 00-0198		Accessories For Ruud Flood Lighting *(26 56 36 00-0110)*		
26 56 36 00-0199	EA	Wireguard For Rudd Flood Light	63.63	23.18
26 56 36 00-0200	EA	Deep Baffle (Full Visor) For Rudd Flood Light	94.71	23.18
26 56 36 00-0201	EA	Glare Guard (Upper Visor) For Rudd Flood Light	71.69	23.18
26 56 36 00-0202	EA	Vandal Shield For Rudd Flood Light	83.20	23.18
26 56 36 00-0203	EA	Pipe Mounting Bracket For Ruud Flood Light	178.23	69.54
26 56 36 00-0204	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Ruud Flood Light	56.72	23.18
26 56 36 00-0205		Lumark Flood Lights *(26 56 36)*		
26 56 36 00-0206		QZ Wedge Series Quartz Lumark Flood Lights *(26 56 36 00-0205)*		
		Note: For small outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 56 36 00-0207	EA	500 Watt QZ Wedge Series Quartz Lumark Flood Light	162.63	69.54

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0208		LQL Series Quartz Lumark Flood Lights *(26 56 36 00-0205)* Note: For medium size outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 56 36 00-0209	EA	1,500 Watt LQL Series Quartz Lumark Flood Light	196.59	69.54
26 56 36 00-0210		Kim Lighting *(26 56 36)*		
26 56 36 00-0211		MicroFlood® Series Kim Lighting Flood Lights *(26 56 36 00-0210)* Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 56 36 00-0212		LED MicroFlood® Series Kim Lighting Flood Lights *(26 56 36 00-0211)*		
26 56 36 00-0213	EA	5 Watt LED MicroFlood® Series Kim Lighting Flood Light	284.31	28.85
26 56 36 00-0214	EA	15 Watt LED MicroFlood® Series Kim Lighting Flood Light	348.18	28.85
26 56 36 00-0215		Scarab® Series Kim Lighting Flood Lights *(26 56 36 00-0210)* Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 56 36 00-0216		LED Scarab® Series Kim Lighting Accent Flood Lights *(26 56 36 00-0215)* Note: Spot or narrow style accent flood lights.		
26 56 36 00-0217	EA	6 Watt LED Scarab® Series Kim Lighting Accent Flood Light	426.75	28.85
26 56 36 00-0218		CREE® BetaLED® Flood Lights *(26 56 36)*		
26 56 36 00-0219		Yoke Mount, Square, LED Flood Lights (CREE® BetaLED® FLD-304) *(26 56 36 00-0218)* Note: UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 36 00-0220	EA	40 LEDs, 47 System Watts, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304)	895.64	83.27
26 56 36 00-0221	EA	60 LEDs, 68 System Watts, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304)	983.68	87.89
26 56 36 00-0222		Adjustable Arm Mount, Rectangular, LED Flood Lights (CREE® BetaLED® Edge® FLD-EDG) *(26 56 36 00-0218)* Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 36 00-0223	EA	20 LEDs, 26 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	777.02	78.64
		For 347-480 Volt, Add	*53.70*	
26 56 36 00-0224	EA	40 LEDs, 47 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	982.66	83.27
		For 347-480 Volt, Add	*53.70*	
26 56 36 00-0225	EA	60 LEDs, 68 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,187.13	87.89
		For 347-480 Volt, Add	*53.70*	
26 56 36 00-0226	EA	80 LEDs, 90 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,471.56	92.52
		For 347-480 Volt, Add	*53.70*	
26 56 36 00-0227	EA	100 LEDs, 111 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,676.03	97.14
		For 347-480 Volt, Add	*53.70*	
26 56 36 00-0228	EA	120 LEDs, 132 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,881.67	101.77
		For 347-480 Volt, Add	*53.70*	
26 56 36 00-0229	EA	140 LEDs, 157 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	2,149.65	106.39
		For 347-480 Volt, Add	*53.70*	
26 56 36 00-0230	EA	160 LEDs, 179 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	2,355.29	111.02
		For 347-480 Volt, Add	*53.70*	
26 56 36 00-0231	EA	200 LEDs, 221 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	2,765.41	120.27
		For 347-480 Volt, Add	*53.70*	
26 56 36 00-0232	EA	240 LEDs, 264 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	3,166.27	124.89
		For 347-480 Volt, Add	*53.70*	
26 56 36 00-0233		Adjustable Arm Mount, Round, LED Flood Lights (CREE® BetaLED® Edge® FLD-EDR) *(26 56 36 00-0218)* Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 36 00-0234	EA	40 LEDs, 47 System Watts, Adjustable Arm Mount, Round, LED Flood Light (CREE® BetaLED® Edge® FLD-EDR)	1,123.78	83.27
		For 347-480 Volt, Add	*53.70*	
26 56 36 00-0235	EA	60 LEDs, 68 System Watts, Adjustable Arm Mount, Round, LED Flood Light (CREE® BetaLED® Edge® FLD-EDR)	1,328.25	87.89
		For 347-480 Volt, Add	*53.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0236	EA	80 LEDs, 90 System Watts, Adjustable Arm Mount, Round, LED Flood Light (CREE® BetaLED® Edge® FLD-EDR)	1,464.51	92.52
		For 347-480 Volt, Add	*53.70*	
26 56 36 00-0237	EA	100 LEDs, 111 System Watts, Adjustable Arm Mount, Round, LED Flood Light (CREE® BetaLED® Edge® FLD-EDR)	1,739.53	97.14
		For 347-480 Volt, Add	*53.70*	
26 56 36 00-0238	EA	120 LEDs, 132 System Watts, Adjustable Arm Mount, Round, LED Flood Light (CREE® BetaLED® Edge® FLD-EDR)	1,944.00	101.77
		For 347-480 Volt, Add	*53.70*	

26 56 36 00-0239 Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® Edge® FLD-EHO) *(26 56 36 00-0218)*

Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 36 00-0240	EA	120 LEDs, 267 System Watts, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO)	1,463.52	101.77
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For Bird Spikes, Add	*29.69*	
		For 5,000K Color Temperature, Add	*30.96*	
		For Fuse, Add	*37.15*	
		For 0 To 10 Volt Dimming, Add	*37.15*	
		For 480 Volt, Add	*55.73*	
		For Multi-Level, Add	*80.49*	
		For 1,000mA Driver, Add	*104.02*	
26 56 36 00-0241	EA	240 LEDs, 533 System Watts, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO)	2,472.02	124.89
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For 5,000K Color Temperature, Add	*30.96*	
		For Fuse, Add	*37.15*	
		For 0 To 10 Volt Dimming, Add	*37.15*	
		For Bird Spikes, Add	*43.71*	
		For Multi-Level, Add	*80.49*	
		For 1,000mA Driver, Add	*104.02*	
		For 480 Volt, Add	*111.45*	

26 56 36 00-0242 Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® OSQ™) *(26 56 36 00-0218)*

Note: UL wet listed. Includes 3,000K or 4,000K or 5,700K color temperature, 120/277 voltage, Class 1 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 36 00-0243	EA	112 System Watts, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-A-XXX-US-UL) (DLC Certified)	866.68	101.77
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For Front Facing Optics, Back Light Shield, Add	*23.18*	
		For Rotated Optics, Back Light Shield, Add	*23.18*	
		For Field Adjustable Output, Add	*18.58*	
		For Fuse, Add	*37.15*	
		For 0 To 10 Volt Dimming, Add	*37.15*	
		For Multi-Level, Add	*80.49*	
26 56 36 00-0244	EA	168 System Watts, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-J-XXX-US-UL) (DLC Certified) Note: Type III, IV or V medium optics only.	925.20	101.77
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For Front Facing Optics, Back Light Shield, Add	*23.18*	
		For Rotated Optics, Back Light Shield, Add	*23.18*	
		For Field Adjustable Output, Add	*18.58*	
		For Fuse, Add	*37.15*	
		For 0 To 10 Volt Dimming, Add	*37.15*	
		For Type II Medium Or Type V Short Optics, Add	*71.52*	
		For Multi-Level, Add	*80.49*	
26 56 36 00-0245	EA	223 System Watts, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-S-XXX-US-UL) (DLC Certified)	1,186.01	124.89
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*12.38*	
		For Field Adjustable Output, Add	*18.58*	
		For Front Facing Optics, Back Light Shield, Add	*28.09*	
		For Rotated Optics, Back Light Shield, Add	*28.09*	
		For Fuse, Add	*37.15*	
		For 0 To 10 Volt Dimming, Add	*37.15*	
		For Multi-Level, Add	*80.49*	

26 56 36 00-0246 PlanLED Flood Lights *(26 56 36)*

26 56 36 00-0247 Adjustable Arm Mount, LED Flood Lights (PlanLED WAPA) *(26 56 36 00-0246)*

26 56 36 00-0248	EA	6,250 Lumens, 50 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP050)	371.27	83.27
26 56 36 00-0249	EA	9,375 Lumens, 75 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP075)	426.72	87.89
26 56 36 00-0250	EA	12,500 Lumens, 100 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP100)	487.85	94.82

26 56 36 00-0251 Adjustable Arm Mount, LED Sports Flood Lights (PlanLED SUFA) *(26 56 36 00-0246)*

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0252		EA	21,000 Lumens, 200 System Watts, LED Sports Flood Light (PlanLED SUFA SF200)	1,006.35	185.02
			For 0 To 10 Volt Dimming, Add	*29.40*	
26 56 36 00-0253		EA	42,000 Lumens, 400 System Watts, LED Sports Flood Light (PlanLED SUFA SF400)	1,583.85	185.02
			For 0 To 10 Volt Dimming, Add	*29.40*	
26 56 36 00-0254		EA	84,000 Lumens, 800 System Watts, LED Sports Flood Light (PlanLED SUFA SF800)	2,587.65	185.02
			For 0 To 10 Volt Dimming, Add	*29.40*	
26 56 36 00-0255			Adjustable Arm Mount, LED High Mast Flood Lights (PlanLED MAHA) *(26 56 36 00-0246)*		
26 56 36 00-0256		EA	26,000 Lumens, 200 System Watts, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA200)	835.89	120.27
			For 0 To 10 Volt Dimming, Add	*29.40*	
			For 347-480 Volt, Add	*29.40*	
26 56 36 00-0257		EA	39,000 Lumens, 300 System Watts, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA300)	1,113.94	124.89
			For 0 To 10 Volt Dimming, Add	*29.40*	
			For 347-480 Volt, Add	*57.75*	
26 56 36 00-0258		EA	52,000 Lumens, 400 System Watts, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA400)	1,397.24	129.52
			For 0 To 10 Volt Dimming, Add	*29.40*	
			For 347-480 Volt, Add	*57.75*	

26 56 39 Hazardous Location Flood Lights *(26 56)*

Note: For general to heavy industrial applications in marine and corrosive environments. Class 1 Division 2.

26 56 39 00-0001 Lithonia Hazardous Location Flood Lights *(26 56 39)*

26 56 39 00-0002 HFR (Horizontally Oriented Mogul Base) Series Hazardous Location Flood Lights *(26 56 39 00-0001)*

Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.

26 56 39 00-0003 High Pressure Sodium HFR Series Hazardous Location Flood Lights *(26 56 39 00-0002)*

26 56 39 00-0004		EA	150 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	565.70	92.73
26 56 39 00-0005		EA	250 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	601.39	92.73
26 56 39 00-0006		EA	400 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	566.85	92.73
26 56 39 00-0007			Metal Halide HFR Series Lithonia Hazardous Location Flood Lights *(26 56 39 00-0002)*		
26 56 39 00-0008		EA	250 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	597.58	92.73
26 56 39 00-0009		EA	400 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	580.67	92.73

26 56 39 00-0010 HFM (Medium Base) Series Hazardous Location Flood Lights *(26 56 39 00-0001)*

Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.

26 56 39 00-0011 High Pressure Sodium HFM Series Lithonia Hazardous Location Flood Lights *(26 56 39 00-0010)*

26 56 39 00-0012		EA	100 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	541.17	92.73
26 56 39 00-0013		EA	150 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	562.47	92.73
26 56 39 00-0014			Metal Halide HFM Series Lithonia Hazardous Location Flood Lights *(26 56 39 00-0010)*		
26 56 39 00-0015		EA	175 Watt Metal Halide HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	483.61	92.73

26 56 39 00-0016 HFA (Large) Series Hazardous Location Flood Lights *(26 56 39 00-0001)*

Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.

26 56 39 00-0017 High Pressure Sodium HFA Series Lithonia Hazardous Location Flood Lights *(26 56 39 00-0016)*

26 56 39 00-0018		EA	250 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	757.92	115.90
26 56 39 00-0019		EA	400 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	768.28	115.90
26 56 39 00-0020			Metal Halide HFA Series Lithonia Hazardous Location Flood Lights *(26 56 39 00-0016)*		
26 56 39 00-0021		EA	250 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	754.46	115.90
26 56 39 00-0022		EA	400 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	768.28	115.90

26 56 39 00-0023 HFL (Medium) Series Hazardous Location Flood Lights *(26 56 39 00-0001)*

Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.

26 56 39 00-0024 High Pressure Sodium HFL Series Lithonia Hazardous Location Flood Lights *(26 56 39 00-0023)*

26 56 39 00-0025		EA	400 Watt High Pressure Sodium HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	571.26	104.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 39 00-0026		Metal Halide HFL Series Lithonia Hazardous Location Flood Lights *(26 56 39 00-0023)*		
26 56 39 00-0027	EA	400 Watt Metal Halide HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	611.55	104.32
26 56 39 00-0028		Accessories For Lithonia Hazardous Location Flood Lights *(26 56 39 00-0001)* See CSI section 26 56 36 00-0099 for accessories.		
26 56 43		**High Performance Flood Lights** *(26 56)* Note: For airport aprons and parking areas.		
26 56 43 00-0001		Lithonia High Performance Flood Lights *(26 56 43)*		
26 56 43 00-0002		170S Series Lithonia High Performance Flood Lights *(26 56 43 00-0001)* Note: Die-cast aluminum housing welded seams, stainless steel hardware, corrosion resistant polyester powder finish, and thermal and shock resistant flat lens.		
26 56 43 00-0003		High Pressure Sodium 170S Series Lithonia High Performance Flood Lights *(26 56 43 00-0002)*		
26 56 43 00-0004	EA	250 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	1,278.57	139.09
26 56 43 00-0005	EA	400 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	1,372.97	139.09
26 56 43 00-0006	EA	750 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	1,377.58	139.09
26 56 43 00-0007	EA	1,000 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	1,521.48	139.09
26 56 43 00-0008		Metal Halide 170S Series Lithonia High Performance Flood Lights *(26 56 43 00-0002)*		
26 56 43 00-0009	EA	320 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	1,461.61	139.09
26 56 43 00-0010	EA	350 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	1,397.78	139.09
26 56 43 00-0011	EA	400 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	1,337.28	139.09
26 56 43 00-0012	EA	1,000 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	1,397.15	139.09
26 56 43 00-0013		Accessories For Lithonia High Performance Flood Lights *(26 56 43 00-0002)* See CSI section 26 56 36 00-0099 for accessories.		
26 56 68		**Exterior Athletic Lighting** *(26 56)*		
26 56 68 00-0001		Sports Lighting System *(26 56 68)* Note: Musco.		
26 56 68 00-0002		Round Steel Tapered Poles *(26 56 68 00-0001)* Note: With Internal wiring harness.		
26 56 68 00-0003	EA	20' Steel Tapered Pole With Precast Concrete Foundation Sleeve	2,271.73	445.08
26 56 68 00-0004	EA	25' Steel Tapered Pole With Precast Concrete Foundation Sleeve	2,734.57	537.81
26 56 68 00-0005	EA	30' Steel Tapered Pole With Precast Concrete Foundation Sleeve	3,072.47	584.17
26 56 68 00-0006	EA	35' Steel Tapered Pole With Precast Concrete Foundation Sleeve	3,346.12	607.35
26 56 68 00-0007	EA	40' Steel Tapered Pole With Precast Concrete Foundation Sleeve	4,140.53	630.53
26 56 68 00-0008	EA	45' Steel Tapered Pole With Precast Concrete Foundation Sleeve	4,771.90	769.62
26 56 68 00-0009	EA	50' Steel Tapered Pole With Precast Concrete Foundation Sleeve	5,123.23	815.99
26 56 68 00-0010	EA	55' Steel Tapered Pole With Precast Concrete Foundation Sleeve	5,819.89	927.25
26 56 68 00-0011	EA	60' Steel Tapered Pole With Precast Concrete Foundation Sleeve	6,603.42	1,043.16
26 56 68 00-0012	EA	65' Steel Tapered Pole With Precast Concrete Foundation Sleeve	7,277.93	1,139.05
26 56 68 00-0013	EA	70' Steel Tapered Pole With Precast Concrete Foundation Sleeve	7,951.11	1,273.05
26 56 68 00-0014	EA	75' Steel Tapered Pole With Precast Concrete Foundation Sleeve	8,686.18	1,429.40
26 56 68 00-0015	EA	80' Steel Tapered Pole With Precast Concrete Foundation Sleeve	9,792.71	1,719.74
26 56 68 00-0016		Steel Pole Brackets *(26 56 68 00-0001)*		
26 56 68 00-0017	EA	Two Light Bracket	343.58	46.36
26 56 68 00-0018	EA	Three Light Bracket	433.29	64.91
26 56 68 00-0019	EA	Four Light Bracket	621.42	78.81
26 56 68 00-0020	EA	Five Light Bracket	709.22	92.73
26 56 68 00-0021	EA	Six Light Bracket	859.10	106.64
26 56 68 00-0022	EA	Seven Light Bracket	983.64	120.54
26 56 68 00-0023	EA	Eight Light Bracket	1,124.07	139.09
26 56 68 00-0024	EA	Nine Light Bracket	1,269.31	153.00
26 56 68 00-0025		Light Fixtures *(26 56 68 00-0001)*		
26 56 68 00-0026	EA	120 or 270 Volt, Sportlite Fixtures Complete with 1,000 Watt Metal Halide Lamp, Hook Cord And Plug	1,307.60	
		For 1,500 Watt Metal Halide Lamp, Add	*7.71*	
26 56 68 00-0027		Electrical Component Enclosure *(26 56 68 00-0001)* Note: Pole mounted NEMA 3R enclosure with thermal magnetic breaker and multiple ballasts to match total light fixtures. For light structures with more than 6 lights, use multiple enclosures.		
26 56 68 00-0028	EA	Electrical Component Enclosure For 2 Lights, Pole Mounted	533.92	53.49
26 56 68 00-0029	EA	Electrical Component Enclosure For 3 Lights, Pole Mounted	802.14	82.30
26 56 68 00-0030	EA	Electrical Component Enclosure For 4 Lights, Pole Mounted	919.49	102.86
26 56 68 00-0031	EA	Electrical Component Enclosure For 5 Lights, Pole Mounted	1,186.76	115.21
26 56 68 00-0032	EA	Electrical Component Enclosure For 6 Lights, Pole Mounted	1,332.58	123.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 68 00-0033		Accessories *(26 56 68 00-0001)*		
26 56 68 00-0034	EA	Time Delay Kit (Musco®)	596.17	164.86
26 56 68 00-0035	EA	Remote Switch Box Push Button (Musco®)	1,129.07	164.86
26 56 68 00-0036	EA	Push Button Strobe Kit (Musco®)	1,342.23	164.86
26 56 68 00-0037	EA	Additional Control-Link Unit (Musco®)	6,318.17	494.58
26 56 68 00-0038	EA	Auxiliary Brackets For Speakers Or Egress Fixtures, For New Installations (Musco®)	697.48	82.30
26 56 68 00-0039	EA	Auxiliary Brackets For Speakers Or Egress Fixtures, For Retrofit Applications (Musco®)	862.07	164.58

END OF SECTION 26

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

27 Communications

Note: Termination costs are included with all communication equipment, panel boards, and devices. Terminations are not included with patch panels.

27 05 Common Work Results for Communications *(27)*

27 05 26 Grounding and Bonding for Communications Systems *(27 05)*

27 05 26 00-0001	EA	2" x 1/4" x 12", TGB Pattern, Grounding Bus Bar	156.82	22.26
27 05 26 00-0002	EA	4" x 1/4" x 12", TMGB Pattern, Grounding Bus Bar	185.79	22.26
27 05 26 00-0003	EA	#6 AWG, Cable Runway Ground Strap	42.13	4.13
27 05 26 00-0004	EA	1/4" Screw Size, #6 AWG Compression Lug	16.14	4.13
27 05 26 00-0005	EA	3/8" Screw Size, #6 AWG Compression Lug	17.09	4.13
27 05 26 00-0006	EA	Two Mounting Hole, Ground Terminal Block	18.70	4.13
27 05 26 00-0007	EA	Lucent 489ACA1-025, 25 Pair Protector Panel, Including Terminations	569.78	84.24
27 05 26 00-0008	EA	Lucent 489ACA1-050, 50 Pair Protector Panel, Including Terminations	735.28	112.35
27 05 26 00-0009	EA	Lucent 489ACA1-100, 100 Pair Protector Panel, Including Terminations	1,090.20	168.49
27 05 26 00-0010	EA	Lucent 3B1-EW, Gas Tube Protector Unit	6.91	1.23

27 05 29 Hangers And Supports For Communications Systems *(27 05)*

See CSI section 26 05 29 00-0000 for hangers and supports.

27 05 29 00-0001 Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29)*

27 05 29 00-0002 Screw On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Includes screw.

27 05 29 00-0003	EA	3/4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12)	5.88	2.06
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.96*	
		For >500, Deduct	*-1.41*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.13*	
		For Work In Restricted Working Space, Add	*1.24*	
		For Painted Powder Coated Finish, Add	*0.36*	
27 05 29 00-0004	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21)	6.16	2.06
		For >50 To 100, Deduct	*-0.26*	
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.98*	
		For >500, Deduct	*-1.44*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.13*	
		For Work In Restricted Working Space, Add	*1.24*	
		For Painted Powder Coated Finish, Add	*1.25*	
		For Low Friction Xylan® Coated Finish, Add	*4.45*	
27 05 29 00-0005	EA	2" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32)	6.58	2.06
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-1.01*	
		For >500, Deduct	*-1.48*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.13*	
		For Work In Restricted Working Space, Add	*1.24*	
		For Painted Powder Coated Finish, Add	*1.53*	
		For Low Friction Xylan® Coated Finish, Add	*5.53*	
27 05 29 00-0006	EA	4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64)	10.22	2.06
		For >50 To 100, Deduct	*-0.36*	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.85*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.13*	
		For Work In Restricted Working Space, Add	*1.24*	
		For Painted Powder Coated Finish, Add	*0.82*	
		For Low Friction Xylan® Coated Finish, Add	*4.90*	

27 05 29 00-0007 Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Includes screw.

27 05 29 00-0008	EA	3/4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-RB)	6.52	2.06
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.53*	
		For >250 To 500, Deduct	*-1.01*	
		For >500, Deduct	*-1.48*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.13*	
		For Work In Restricted Working Space, Add	*1.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0009	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-RB)	8.16	2.06
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.61*	
		For >250 To 500, Deduct	*-1.13*	
		For >500, Deduct	*-1.64*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.13*	
		For Work In Restricted Working Space, Add	*1.24*	
27 05 29 00-0010	EA	2" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-RB)	8.96	2.06
		For >50 To 100, Deduct	*-0.33*	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-1.19*	
		For >500, Deduct	*-1.72*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.13*	
		For Work In Restricted Working Space, Add	*1.24*	
27 05 29 00-0011	EA	4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-RB)	11.82	2.06
		For >50 To 100, Deduct	*-0.40*	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.40*	
		For >500, Deduct	*-2.01*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.13*	
		For Work In Restricted Working Space, Add	*1.24*	

27 05 29 00-0012 Strut Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Excludes strut.

27 05 29 00-0013	EA	3/4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-SC4)	6.83	2.06
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.55*	
		For >250 To 500, Deduct	*-1.03*	
		For >500, Deduct	*-1.51*	
		For Work In Restricted Working Space, Add	*1.24*	
27 05 29 00-0014	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-SC4)	7.92	2.06
		For >50 To 100, Deduct	*-0.30*	
		For >100 To 250, Deduct	*-0.60*	
		For >250 To 500, Deduct	*-1.11*	
		For >500, Deduct	*-1.62*	
		For Work In Restricted Working Space, Add	*1.24*	
27 05 29 00-0015	EA	2" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-SC4)	8.49	2.06
		For >50 To 100, Deduct	*-0.32*	
		For >100 To 250, Deduct	*-0.63*	
		For >250 To 500, Deduct	*-1.15*	
		For >500, Deduct	*-1.68*	
		For Work In Restricted Working Space, Add	*1.24*	
27 05 29 00-0016	EA	4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-SC4)	11.19	2.06
		For >50 To 100, Deduct	*-0.38*	
		For >100 To 250, Deduct	*-0.77*	
		For >250 To 500, Deduct	*-1.36*	
		For >500, Deduct	*-1.95*	
		For Work In Restricted Working Space, Add	*1.24*	

27 05 29 00-0017 T-Bar Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Excludes T-Bar.

27 05 29 00-0018	EA	3/4" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-A28)	8.03	2.06
		For >50 To 100, Deduct	*-0.30*	
		For >100 To 250, Deduct	*-0.61*	
		For >250 To 500, Deduct	*-1.12*	
		For >500, Deduct	*-1.63*	
		For Work In Restricted Working Space, Add	*1.24*	
27 05 29 00-0019	EA	1-5/16" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-A28)	9.87	2.06
		For >50 To 100, Deduct	*-0.35*	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-1.26*	
		For >500, Deduct	*-1.81*	
		For Work In Restricted Working Space, Add	*1.24*	
27 05 29 00-0020	EA	2" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-A28)	10.36	2.06
		For >50 To 100, Deduct	*-0.36*	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-1.29*	
		For >500, Deduct	*-1.86*	
		For Work In Restricted Working Space, Add	*1.24*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0021		**Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks)** *(27 05 29 00-0001)*		
		Note: Excludes threaded rod. See CSI section 26 05 29 00-0285 for threaded rod.		
27 05 29 00-0022	EA	3/4" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-W6)	6.68	2.06
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-1.02*	
		For >500, Deduct	*-1.49*	
		For Work In Restricted Working Space, Add	*1.24*	
27 05 29 00-0023	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-W6)	6.93	2.06
		For >50 To 100, Deduct	*-0.28*	
		For >100 To 250, Deduct	*-0.55*	
		For >250 To 500, Deduct	*-1.04*	
		For >500, Deduct	*-1.52*	
		For Work In Restricted Working Space, Add	*1.24*	
27 05 29 00-0024	EA	2" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-W6)	8.21	2.06
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.62*	
		For >250 To 500, Deduct	*-1.13*	
		For >500, Deduct	*-1.65*	
		For Work In Restricted Working Space, Add	*1.24*	
27 05 29 00-0025		**Threaded Rod Attachment, Communications And Low Voltage Cable Hooks (J-Hooks)** *(27 05 29 00-0001)*		
		Note: Excludes threaded rod, nuts and washers. See CSI section 26 05 29 00-0285 for threaded rod, nuts and washers.		
27 05 29 00-0026	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-AB)	8.07	2.06
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.61*	
		For >250 To 500, Deduct	*-1.12*	
		For >500, Deduct	*-1.63*	
		For Work In Restricted Working Space, Add	*1.24*	
27 05 29 00-0027	EA	2" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-AB)	8.67	2.06
		For >50 To 100, Deduct	*-0.32*	
		For >100 To 250, Deduct	*-0.64*	
		For >250 To 500, Deduct	*-1.17*	
		For >500, Deduct	*-1.69*	
		For Work In Restricted Working Space, Add	*1.24*	
27 05 29 00-0028	EA	4" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-AB)	11.65	2.06
		For >50 To 100, Deduct	*-0.39*	
		For >100 To 250, Deduct	*-0.79*	
		For >250 To 500, Deduct	*-1.39*	
		For >500, Deduct	*-1.99*	
		For Work In Restricted Working Space, Add	*1.24*	
27 05 29 00-0029		**Beam Clamp Attachment, Communications And Low Voltage Cable Hooks (J-Hooks)** *(27 05 29 00-0001)*		
27 05 29 00-0030	EA	3/4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-C442A)	7.98	2.06
		For >50 To 100, Deduct	*-0.30*	
		For >100 To 250, Deduct	*-0.61*	
		For >250 To 500, Deduct	*-1.11*	
		For >500, Deduct	*-1.62*	
		For Work In Restricted Working Space, Add	*1.24*	
27 05 29 00-0031	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-C442A)	9.05	2.06
		For >50 To 100, Deduct	*-0.33*	
		For >100 To 250, Deduct	*-0.66*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.73*	
		For Work In Restricted Working Space, Add	*1.24*	
27 05 29 00-0032	EA	2" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-C442A)	9.62	2.06
		For >50 To 100, Deduct	*-0.34*	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.79*	
		For Work In Restricted Working Space, Add	*1.24*	
27 05 29 00-0033	EA	4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-C442A)	12.73	2.06
		For >50 To 100, Deduct	*-0.42*	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.47*	
		For >500, Deduct	*-2.10*	
		For Work In Restricted Working Space, Add	*1.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0034		Adjustable Cable Supports (Caddy® CableCat CAT425) *(27 05 29)*		
27 05 29 00-0035	EA	Wall Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	21.92	2.72
		For >50 To 100, Deduct	*-0.75*	
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.84*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*2.16*	
		For Work In Restricted Working Space, Add	*2.47*	
27 05 29 00-0036	EA	Threaded Rod Or Horizontal Surface Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	22.32	2.72
		For >50 To 100, Deduct	*-0.76*	
		For >100 To 250, Deduct	*-1.53*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.88*	
		For Work In Restricted Working Space, Add	*2.47*	
27 05 29 00-0037	EA	Up To 1/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	24.40	2.72
		For >50 To 100, Deduct	*-0.82*	
		For >100 To 250, Deduct	*-1.63*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-4.09*	
		For Work In Restricted Working Space, Add	*2.47*	
27 05 29 00-0038	EA	>1/4" To 3/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	21.85	2.72
		For >50 To 100, Deduct	*-0.75*	
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-2.67*	
		For >500, Deduct	*-3.83*	
		For Work In Restricted Working Space, Add	*2.47*	
27 05 29 00-0039	EA	Up To 1/2" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	22.82	2.72
		For >50 To 100, Deduct	*-0.78*	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-2.74*	
		For >500, Deduct	*-3.93*	
		For Work In Restricted Working Space, Add	*2.47*	
27 05 29 00-0040	EA	>1/2" To 5/8" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	23.77	2.72
		For >50 To 100, Deduct	*-0.80*	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.81*	
		For >500, Deduct	*-4.02*	
		For Work In Restricted Working Space, Add	*2.47*	
27 05 29 00-0041	EA	Up To 1/4" Flange, Hammer On Purlin Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	22.49	2.72
		For >50 To 100, Deduct	*-0.77*	
		For >100 To 250, Deduct	*-1.54*	
		For >250 To 500, Deduct	*-2.72*	
		For >500, Deduct	*-3.90*	
		For Work In Restricted Working Space, Add	*2.47*	

27 05 33 Conduits And Backboxes For Communications Systems *(27 05)*

See CSI section 26 05 33 00-0000 for conduit and boxes.

27 05 36 Cable Trays For Communications Systems *(27 05)*

See CSI section 26 05 36 00-0000 for cable trays.

27 05 39 Surface Raceways For Communications Systems *(27 05)*

See CSI section 26 05 33 00-0000 for surface raceways.

27 05 43 Underground Ducts And Raceways For Communications Systems *(27 05)*

See CSI section 26 05 43 00-0000 for underground ducts and raceways.

27 05 46 Utility Poles For Communications Systems *(27 05)*

See CSI section 26 05 46 00-0000 for utility poles.

27 05 53 Identification For Communications Systems *(27 05)*

See CSI section 26 05 53 00-0000 for identification.

27 10 Structured Cabling *(27)*

27 11 Communications Equipment Room Fittings *(27 10)*

27 11 16 Communications Cabinets, Racks, Frames, And Enclosures *(27 11)*

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0001		3/4" Fire Retardant Plywood Backboards *(27 11 16)*		
27 11 16 00-0002	EA	4' x 4' x 3/4" Fire Retardant Plywood Phone Backboard	62.66	21.40
		For Two Coats Of Non-Conductive, Fire Retardant Paint, Add	*37.67*	
27 11 16 00-0003	EA	4' x 8' x 3/4" Fire Retardant Plywood Phone Backboard	125.32	42.80
		For Two Coats Of Non-Conductive, Fire Retardant Paint, Add	*75.34*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0004		**Terminal Cabinets** *(27 11 16)*		
27 11 16 00-0005	EA	12" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	224.94	61.72
27 11 16 00-0006	EA	18" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	280.78	67.89
27 11 16 00-0007	EA	24" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	323.10	78.18
27 11 16 00-0008	EA	18" x 18" x 4" Phone Terminal Cabinet With Wood Backboard	335.16	80.23
27 11 16 00-0009	EA	24" x 18" x 4" Phone Terminal Cabinet With Wood Backboard	404.55	82.30
27 11 16 00-0010	EA	26" x 36" x 4" Phone Terminal Cabinet With Wood Backboard	497.72	92.58
27 11 16 00-0011	EA	24" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	508.09	90.52
27 11 16 00-0012	EA	30" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	656.86	128.95
27 11 16 00-0013	EA	36" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	703.95	141.71
27 11 16 00-0014	EA	42" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	843.26	149.69
27 11 16 00-0015	EA	30" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	696.39	123.44
27 11 16 00-0016	EA	36" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	753.20	133.72
27 11 16 00-0017	EA	48" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	940.62	171.42
27 11 16 00-0018	EA	54" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,132.32	214.29
27 11 16 00-0019	EA	48" x 36" x 6" Phone Terminal Cabinet With Wood Backboard	1,273.60	211.90
27 11 16 00-0020	EA	60" x 36" x 6" Phone Terminal Cabinet With Wood Backboard	1,467.69	257.82
27 11 16 00-0021		**Equipment Racks And Cable Managers** *(27 11 16)*		
27 11 16 00-0022		**Equipment Racks** *(27 11 16 00-0021)* Note: Electronics Industries Association EIA-310-D compliant. Includes aluminum construction with clear grained aluminum or black epoxy-polyester hybrid powder coat finish.		
27 11 16 00-0023		**Standard Equipment Racks** *(27 11 16 00-0022)*		
27 11 16 00-0024		**19" Width, Standard Equipment Racks** *(27 11 16 00-0023)*		
27 11 16 00-0025	EA	84" Height, 19" Width, 3" Depth, 45U, Standard Equipment Rack (Chatsworth 55053-X03)	414.23	131.67
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*7.55*	
27 11 16 00-0026	EA	96" Height, 19" Width, 3" Depth, 51U, Standard Equipment Rack (Chatsworth 55053-X15)	577.57	139.90
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*14.89*	
27 11 16 00-0027	EA	108" Height, 19" Width, 3" Depth, 58U, Standard Equipment Rack (Chatsworth 55053-X08)	624.11	148.12
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*16.39*	
27 11 16 00-0028		**Universal Equipment Racks** *(27 11 16 00-0022)*		
27 11 16 00-0029		**Universal Equipment Racks** *(27 11 16 00-0028)*		
27 11 16 00-0030		**19" Width, EIA Universal Equipment Racks** *(27 11 16 00-0029)*		
27 11 16 00-0031	EA	36" Height, 19" Width, 3" Depth, 17U, EIA Universal Equipment Rack (Chatsworth 46353-X31)	542.48	115.21
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*15.60*	
27 11 16 00-0032	EA	48" Height, 19" Width, 3" Depth, 24U, EIA Universal Equipment Rack (Chatsworth 46353-X20)	593.34	117.26
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*17.94*	
27 11 16 00-0033	EA	60" Height, 19" Width, 3" Depth, 31U, EIA Universal Equipment Rack (Chatsworth 46353-X19)	592.43	119.32
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*17.69*	
27 11 16 00-0034	EA	66" Height, 19" Width, 3" Depth, 34U, EIA Universal Equipment Rack (Chatsworth 46353-X00)	607.71	121.38
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*18.25*	
27 11 16 00-0035	EA	72" Height, 19" Width, 3" Depth, 38U, EIA Universal Equipment Rack (Chatsworth 46353-X01)	622.83	123.44
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*18.80*	
27 11 16 00-0036	EA	78" Height, 19" Width, 3" Depth, 41U, EIA Universal Equipment Rack (Chatsworth 46353-X02)	639.21	125.49
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*19.41*	
27 11 16 00-0037	EA	84" Height, 19" Width, 3" Depth, 45U, EIA Universal Equipment Rack (Chatsworth 46353-X03)	543.30	127.56
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*14.41*	
27 11 16 00-0038	EA	90" Height, 19" Width, 3" Depth, 48U, EIA Universal Equipment Rack (Chatsworth 46353-X05)	671.01	129.61
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*20.59*	
27 11 16 00-0039	EA	96" Height, 19" Width, 3" Depth, 51U, EIA Universal Equipment Rack (Chatsworth 46353-X15)	694.92	131.67
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*21.58*	
27 11 16 00-0040	EA	102" Height, 19" Width, 3" Depth, 55U, EIA Universal Equipment Rack (Chatsworth 46353-X17)	715.79	133.72
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*22.42*	
27 11 16 00-0041	EA	108" Height, 19" Width, 3" Depth, 58U, EIA Universal Equipment Rack (Chatsworth 46353-X08)	720.74	135.79
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*22.46*	
27 11 16 00-0042		**23" Width, Universal Equipment Racks** *(27 11 16 00-0029)*		
27 11 16 00-0043	EA	36" Height, 23" Width, 3" Depth, 17U, Universal Equipment Rack (Chatsworth 46383-X31)	574.50	115.21
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*17.20*	
27 11 16 00-0044	EA	48" Height, 23" Width, 3" Depth, 24U, Universal Equipment Rack (Chatsworth 46383-X20)	594.53	117.26
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*18.00*	
27 11 16 00-0045	EA	60" Height, 23" Width, 3" Depth, 31U, Universal Equipment Rack (Chatsworth 46383-X19)	612.15	119.32
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*18.68*	
27 11 16 00-0046	EA	66" Height, 23" Width, 3" Depth, 34U, Universal Equipment Rack (Chatsworth 46383-X00)	645.21	121.38
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*20.12*	
27 11 16 00-0047	EA	72" Height, 23" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46383-X01)	661.44	123.44
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*20.73*	
27 11 16 00-0048	EA	78" Height, 23" Width, 3" Depth, 41U, Universal Equipment Rack (Chatsworth 46383-X02)	679.09	125.49
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*21.40*	
27 11 16 00-0049	EA	84" Height, 23" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46383-X03)	583.65	127.56
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*16.43*	
27 11 16 00-0050	EA	90" Height, 23" Width, 3" Depth, 48U, Universal Equipment Rack (Chatsworth 46383-X05)	713.34	129.61
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*22.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0051	EA	96" Height, 23" Width, 3" Depth, 51U, Universal Equipment Rack (Chatsworth 46383-X15)	739.25	131.67
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*23.80*	
27 11 16 00-0052	EA	102" Height, 23" Width, 3" Depth, 55U, Universal Equipment Rack (Chatsworth 46383-X17)	761.87	133.72
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*24.72*	
27 11 16 00-0053	EA	108" Height, 23" Width, 3" Depth, 58U, Universal Equipment Rack (Chatsworth 46383-X08)	766.90	135.79
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*24.77*	
27 11 16 00-0054		**35" Width, Universal Equipment Racks** *(27 11 16 00-0029)*		
27 11 16 00-0055	EA	72" Height, 35" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46363-X01)	715.72	123.44
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*23.44*	
27 11 16 00-0056	EA	84" Height, 35" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46363-X03)	753.86	127.56
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*24.94*	
27 11 16 00-0057		**UL Listed Universal Equipment Racks** *(27 11 16 00-0028)*		
		Note: UL listed as a communications circuit accessory.		
27 11 16 00-0058		**19" Width, UL Listed Universal Equipment Racks** *(27 11 16 00-0057)*		
27 11 16 00-0059	EA	36" Height, 19" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48353-X31)	573.69	115.21
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*17.16*	
27 11 16 00-0060	EA	48" Height, 19" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48353-X20)	620.66	117.26
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*19.31*	
27 11 16 00-0061	EA	60" Height, 19" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48353-X19)	630.15	119.32
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*19.58*	
27 11 16 00-0062	EA	66" Height, 19" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48353-X00)	644.23	121.38
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*20.07*	
27 11 16 00-0063	EA	72" Height, 19" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48353-X01)	660.41	123.44
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*20.68*	
27 11 16 00-0064	EA	78" Height, 19" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48353-X02)	678.02	125.49
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*21.35*	
27 11 16 00-0065	EA	84" Height, 19" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48353-X03)	694.92	127.56
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*21.99*	
27 11 16 00-0066	EA	90" Height, 19" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48353-X05)	712.21	129.61
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*22.65*	
27 11 16 00-0067	EA	96" Height, 19" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48353-X15)	738.09	131.67
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*23.74*	
27 11 16 00-0068	EA	102" Height, 19" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48353-X17)	760.65	133.72
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*24.66*	
27 11 16 00-0069	EA	108" Height, 19" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48353-X08)	765.62	135.79
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*24.70*	
27 11 16 00-0070		**23" Width, UL Listed Universal Equipment Racks** *(27 11 16 00-0057)*		
27 11 16 00-0071	EA	36" Height, 23" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48383-X31)	608.94	115.21
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*18.93*	
27 11 16 00-0072	EA	48" Height, 23" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48383-X20)	668.47	117.26
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*21.70*	
27 11 16 00-0073	EA	60" Height, 23" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48383-X19)	676.95	119.32
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*21.92*	
27 11 16 00-0074	EA	66" Height, 23" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48383-X00)	685.45	121.38
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*22.13*	
27 11 16 00-0075	EA	72" Height, 23" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48383-X01)	702.88	123.44
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*22.80*	
27 11 16 00-0076	EA	78" Height, 23" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48383-X02)	721.91	125.49
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*23.55*	
27 11 16 00-0077	EA	84" Height, 23" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48383-X03)	740.10	127.56
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*24.25*	
27 11 16 00-0078	EA	90" Height, 23" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48383-X05)	758.74	129.61
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*24.98*	
27 11 16 00-0079	EA	96" Height, 23" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48383-X15)	786.83	131.67
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*26.18*	
27 11 16 00-0080	EA	102" Height, 23" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48383-X17)	811.32	133.72
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.19*	
27 11 16 00-0081	EA	108" Height, 23" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48383-X08)	816.51	135.79
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.25*	
27 11 16 00-0082		**4-Post Equipment Racks And Server Frames** *(27 11 16 00-0022)*		
27 11 16 00-0083		**4-Post Equipment Racks** *(27 11 16 00-0082)*		
27 11 16 00-0084	EA	19" Width, 29" Depth, 84" Height, 4-Post Equipment Rack (Chatsworth 50120-X03)	1,161.39	205.73
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*37.50*	
27 11 16 00-0085	EA	19" Width, 29" Depth, 96" Height, 4-Post Equipment Rack (Chatsworth 50120-X15)	1,268.86	213.96
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*42.05*	
27 11 16 00-0086	EA	19" Width, 29" Depth, 108" Height, 4-Post Equipment Rack (Chatsworth 50120-X08)	1,370.21	222.19
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*46.29*	
27 11 16 00-0087		**4-Post Server Frame** *(27 11 16 00-0082)*		
27 11 16 00-0088	EA	19" Width, 29" Depth, 84" Height, Server Frame (Chatsworth 15053-X03)	1,194.38	205.73
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*39.15*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0089		Cable Managers *(27 11 16 00-0021)*		
27 11 16 00-0090		Horizontal Cable Managers *(27 11 16 00-0089)*		
27 11 16 00-0091		Single-Sided, Horizontal Cable Managers *(27 11 16 00-0090)*		
27 11 16 00-0092	EA	1U Height, 19" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-719)	67.50	8.23
27 11 16 00-0093	EA	1U Height, 23" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-723)	75.24	8.23
27 11 16 00-0094	EA	1U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-701)	56.24	8.23
27 11 16 00-0095	EA	2U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-719)	68.66	8.23
27 11 16 00-0096	EA	2U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-723)	80.65	8.23
27 11 16 00-0097	EA	2U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-702)	62.36	8.23
27 11 16 00-0098	EA	3U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-719)	92.81	8.23
27 11 16 00-0099	EA	3U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-723)	105.74	8.23
27 11 16 00-0100	EA	3U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-703)	74.60	8.23
27 11 16 00-0101		Double-Sided, Horizontal Cable Managers *(27 11 16 00-0090)*		
27 11 16 00-0102	EA	1U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-719)	84.00	8.23
27 11 16 00-0103	EA	1U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-723)	94.20	8.23
27 11 16 00-0104	EA	2U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-719)	88.42	8.23
27 11 16 00-0105	EA	2U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-723)	103.03	8.23
27 11 16 00-0106	EA	3U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-719)	114.61	8.23
27 11 16 00-0107	EA	3U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-723)	128.43	8.23
27 11 16 00-0108		Vertical Cable Managers *(27 11 16 00-0089)*		
27 11 16 00-0109		Single-Sided, Vertical Cable Managers *(27 11 16 00-0108)*		
27 11 16 00-0110	EA	3.6" Width, 9.7" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-701)	151.68	12.35
27 11 16 00-0111	EA	6" Width, 9.8" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-701)	214.41	12.35
27 11 16 00-0112	EA	10" Width, 10.3" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-701)	345.99	12.35
27 11 16 00-0113	EA	12" Width, 10.4" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-701)	391.89	12.35
27 11 16 00-0114	EA	3.6" Width, 9.7" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-703)	162.39	12.35
27 11 16 00-0115	EA	6" Width, 9.8" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-703)	231.24	12.35
27 11 16 00-0116	EA	10" Width, 10.3" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-703)	376.59	12.35
27 11 16 00-0117	EA	12" Width, 10.4" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-703)	422.49	12.35
27 11 16 00-0118	EA	3.6" Width, 9.7" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-715)	183.81	12.35
27 11 16 00-0119	EA	6" Width, 9.8" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-715)	254.19	12.35
27 11 16 00-0120	EA	10" Width, 10.3" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-715)	422.49	12.35
27 11 16 00-0121	EA	12" Width, 10.4" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-715)	468.39	12.35
27 11 16 00-0122		Double-Sided, Vertical Cable Managers *(27 11 16 00-0108)*		
27 11 16 00-0123	EA	3.6" Width, 16.4" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-701)	220.53	12.35
27 11 16 00-0124	EA	6" Width, 16.6" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-701)	260.31	12.35
27 11 16 00-0125	EA	10" Width, 17.5" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-701)	422.49	12.35
27 11 16 00-0126	EA	12" Width, 17.8" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-701)	498.99	12.35
27 11 16 00-0127	EA	3.6" Width, 16.4" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-703)	238.89	12.35
27 11 16 00-0128	EA	6" Width, 16.6" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-703)	278.67	12.35
27 11 16 00-0129	EA	10" Width, 17.5" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-703)	453.09	12.35
27 11 16 00-0130	EA	12" Width, 17.8" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-703)	529.59	12.35
27 11 16 00-0131	EA	3.6" Width, 16.4" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-715)	263.37	12.35
27 11 16 00-0132	EA	6" Width, 16.6" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-715)	303.15	12.35
27 11 16 00-0133	EA	10" Width, 17.5" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-715)	498.99	12.35
27 11 16 00-0134	EA	12" Width, 17.8" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-715)	575.49	12.35
27 11 16 00-0135		Accessories For Vertical Cable Managers *(27 11 16 00-0108)*		
27 11 16 00-0136	EA	Cable Ring Kit For 3.6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-716)	92.96	8.23
27 11 16 00-0137	EA	Cable Ring Kit For 3.6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-717)	99.08	8.23
27 11 16 00-0138	EA	Cable Ring Kit For 3.6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-718)	105.20	8.23
27 11 16 00-0139	EA	Cable Ring Kit For 6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-726)	96.02	8.23
27 11 16 00-0140	EA	Cable Ring Kit For 6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-727)	105.20	8.23
27 11 16 00-0141	EA	Cable Ring Kit For 6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-728)	114.38	8.23
27 11 16 00-0142	EA	Cable Ring Kit For 10" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-746)	108.26	8.23
27 11 16 00-0143	EA	Cable Ring Kit For 10" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-747)	117.44	8.23
27 11 16 00-0144	EA	Cable Ring Kit For 10" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-748)	126.62	8.23
27 11 16 00-0145	EA	Cable Ring Kit For 12" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-756)	114.38	8.23
27 11 16 00-0146	EA	Cable Ring Kit For 12" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-757)	126.62	8.23
27 11 16 00-0147	EA	Cable Ring Kit For 12" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-758)	135.80	8.23
27 11 16 00-0148	EA	Cable Lashing Bar Kit For Vertical Cable Managers (Chatsworth 13928-001)	77.66	8.23
27 11 16 00-0149	EA	Cable Spool Kit For Vertical Cable Managers (Chatsworth 13935-701)	89.90	8.23
27 11 16 00-0150	EA	Cable Distribution Spools For Vertical Cable Managers (Chatsworth 15008-001)	94.03	8.23
27 11 16 00-0151	EA	Cable Distribution Spool Spacer Kit For Vertical Cable Managers (Chatsworth 35505-001)	59.30	8.23

27 11 19 Communications Termination Blocks And Patch Panels *(27 11)*

Note: The terminating, testing, and labeling of the cables in question should be done according to the task description as well as the current contract specifications. See CSI section 27 14 43 00-0074 for labeling.

27 11 19 00-0001 Computer Network Components *(27 11 19)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0002		**Ethernet Patch Panels** *(27 11 19 00-0001)*		
27 11 19 00-0003	EA	12 Port, Category 5E Patch Panel	172.57	41.14
27 11 19 00-0004	EA	24 Port, Category 5E Patch Panel	249.59	41.14
27 11 19 00-0005	EA	32 Port, Category 5E Patch Panel	322.46	41.14
27 11 19 00-0006	EA	48 Port, Category 5E Patch Panel	390.37	41.14
27 11 19 00-0007	EA	64 Port, Category 5E Patch Panel	539.27	51.44
27 11 19 00-0008	EA	96 Port, Category 5E Patch Panel	716.40	61.72
27 11 19 00-0009	EA	12 Port, Category 6 Patch Panel	206.52	41.14
27 11 19 00-0010	EA	24 Port, Category 6 Patch Panel	254.56	41.14
27 11 19 00-0011	EA	48 Port, Category 6 Patch Panel	426.81	41.14
27 11 19 00-0012	EA	96 Port, Category 6 Patch Panel	785.96	61.72
27 11 19 00-0013	EA	Up To 5 Cables, Terminate One End Of A 4 Pair Cable To Category "X" Specifications	29.16	
27 11 19 00-0014	EA	>5 To 10 Cables, Terminate One End Of A 4 Pair Cable To Category "X" Specifications	24.29	
27 11 19 00-0015	EA	>10 Cables, Terminate One End Of A 4 Pair Cable To Category "X" Specifications	14.58	
27 11 19 00-0016	EA	Up To 20 Pairs, Terminate One End Of A Twisted Pair Of Wires	8.02	
27 11 19 00-0017	EA	>20 To 40 Pairs, Terminate One End Of A Twisted Pair Of Wires	6.69	
27 11 19 00-0018	EA	>40 Pairs, Terminate One End Of A Twisted Pair Of Wires	4.01	
27 11 19 00-0019		**Fiber Optic Cable Patch Panels And Enclosures** *(27 11 19 00-0001)*		
27 11 19 00-0020		**Fiber Optic Cable Connector Housings** *(27 11 19 00-0019)*		
27 11 19 00-0021		**Wall Mount, Fiber Optic Cable Connector Housings** *(27 11 19 00-0020)*		
		Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0049 for connector panels.		
27 11 19 00-0022	EA	1-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	92.37	18.51
27 11 19 00-0023	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	135.44	18.51
27 11 19 00-0024	EA	4-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	199.16	18.51
27 11 19 00-0025	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	294.81	30.86
27 11 19 00-0026	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	408.26	30.86
27 11 19 00-0027		**Rack Mount, Fiber Optic Cable Connector Housings** *(27 11 19 00-0020)*		
		Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0049 for connector panels.		
27 11 19 00-0028	EA	2-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	306.44	30.86
27 11 19 00-0029	EA	4-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	349.69	30.86
27 11 19 00-0030	EA	6-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	376.15	30.86
27 11 19 00-0031	EA	12-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	440.08	30.86
27 11 19 00-0032		**Rack Mount, Fiber Optic Cable Pretium® Connector Housings** *(27 11 19 00-0020)*		
		Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0049 for connector panels.		
27 11 19 00-0033	EA	2-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	380.57	30.86
		For Splice Tray Bracket, Add	*40.02*	
27 11 19 00-0034	EA	4-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	444.91	30.86
		For Splice Tray Bracket, Add	*43.76*	
27 11 19 00-0035	EA	12-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	553.35	30.86
		For Splice Tray Bracket, Add	*159.42*	
27 11 19 00-0036		**Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housings** *(27 11 19 00-0020)*		
		Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0049 for connector panels.		
27 11 19 00-0037	EA	8 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	481.54	30.86
27 11 19 00-0038	EA	12 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	614.22	30.86
27 11 19 00-0039	EA	24 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	694.65	30.86
27 11 19 00-0040	EA	48 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	899.77	30.86
27 11 19 00-0041		**Wall Mount, Fiber Optic Cable Industrial Connector Housings** *(27 11 19 00-0020)*		
		Note: Includes powder-coat finish, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0049 for connector panels.		
27 11 19 00-0042	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	428.35	18.51
27 11 19 00-0043	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	593.44	30.86
27 11 19 00-0044	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	622.49	30.86
27 11 19 00-0045		**Wall Mount, Fiber Optic Cable Environmental Connector Housings** *(27 11 19 00-0020)*		
		Note: Includes NEMA 4X enclosure, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0049 for connector panels.		
27 11 19 00-0046	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	448.43	18.51
27 11 19 00-0047	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	593.09	30.86
27 11 19 00-0048	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	695.86	30.86
27 11 19 00-0049		**Fiber Optic Cable Connector Panels** *(27 11 19 00-0019)*		
27 11 19 00-0050		**SC Simplex, Fiber Optic Cable Connector Panels** *(27 11 19 00-0049)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0051	EA	6-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel	59.23	4.12
27 11 19 00-0052	EA	6-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	64.22	4.12
27 11 19 00-0053	EA	8-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel	71.95	4.12
27 11 19 00-0054	EA	8-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	78.60	4.12
27 11 19 00-0055	EA	12-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel	97.42	4.12
27 11 19 00-0056	EA	12-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	107.36	4.12
27 11 19 00-0057		SC Duplex, Fiber Optic Cable Connector Panels *(27 11 19 00-0049)*		
27 11 19 00-0058	EA	6-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	57.02	4.12
27 11 19 00-0059	EA	6-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	58.19	4.12
27 11 19 00-0060	EA	8-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	69.03	4.12
27 11 19 00-0061	EA	8-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	70.59	4.12
27 11 19 00-0062	EA	12-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	93.04	4.12
27 11 19 00-0063	EA	12-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	95.36	4.12
27 11 19 00-0064		LC Duplex, Fiber Optic Cable Connector Panels *(27 11 19 00-0049)*		
27 11 19 00-0065	EA	6-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	61.52	4.12
27 11 19 00-0066	EA	6-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	67.40	4.12
27 11 19 00-0067	EA	8-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	75.01	4.12
27 11 19 00-0068	EA	8-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	82.85	4.12
27 11 19 00-0069	EA	12-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	102.01	4.12
27 11 19 00-0070	EA	12-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	113.75	4.12
27 11 19 00-0071	EA	16-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	129.01	4.12
27 11 19 00-0072	EA	16-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	144.65	4.12
27 11 19 00-0073	EA	24-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	182.98	4.12
27 11 19 00-0074	EA	24-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	188.43	4.12
27 11 19 00-0075		ST Simplex, Fiber Optic Cable Connector Panels *(27 11 19 00-0049)*		
27 11 19 00-0076	EA	6-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	49.36	4.12
27 11 19 00-0077	EA	6-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel	53.13	4.12
27 11 19 00-0078	EA	8-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	58.80	4.12
27 11 19 00-0079	EA	8-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel	63.83	4.12
27 11 19 00-0080	EA	12-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	77.67	4.12
27 11 19 00-0081	EA	12-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel	85.22	4.12
27 11 19 00-0082		MT-RJ, Fiber Optic Cable Connector Panels *(27 11 19 00-0049)*		
27 11 19 00-0083	EA	12-Fiber, Multimode, MT-RJ, Fiber Optic Cable Connector Panel	61.17	4.12
27 11 19 00-0084	EA	12-Fiber, Singlemode, MT-RJ, Fiber Optic Cable Connector Panel	91.16	4.12
27 11 19 00-0085		Fiber Optic Cable Pretium Edge® Modules *(27 11 19 00-0049)*		
27 11 19 00-0086	EA	12-Fiber, Singlemode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module	521.13	4.12
27 11 19 00-0087	EA	12-Fiber, Multimode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module	522.94	4.12
27 11 19 00-0088		Fiber Optic Cable Splice Housings *(27 11 19 00-0019)*		
27 11 19 00-0089		Wall Mount, Fiber Optic Cable Splice Housings *(27 11 19 00-0088)* Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0090	EA	12 Splice Tray Capacity, Wall Mount, Fiber Optic Splice Housing With Locking Door	215.91	41.14
27 11 19 00-0091		Rack Mount, Fiber Optic Cable Splice Housings *(27 11 19 00-0088)* Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0092	EA	12 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing	317.67	30.86
27 11 19 00-0093	EA	22 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing	322.36	30.86
27 11 19 00-0094		Fiber Optic Cable Splice Trays *(27 11 19 00-0088)*		
27 11 19 00-0095	EA	Fiber Optic Cable Splice Tray	61.46	10.28
27 11 19 00-0096		Fiber Optic Cable Jumper Management Panels *(27 11 19 00-0019)* Note: Includes mounting hardware.		
27 11 19 00-0097	EA	Rack Mount, Fiber Optic Cable Jumper Management Panel	121.46	30.86
27 11 19 00-0098		Miscellaneous Accessories *(27 11 19 00-0001)*		
27 11 19 00-0099	EA	Wall Mount Bracket For 12 Or 24 Port Patch Panel	44.81	
27 11 19 00-0100	EA	Wall Mount Bracket For 32 Or 48 Port Patch Panel	59.43	
27 11 19 00-0101	EA	Wall Mount Bracket For 64 Or 72 Port Patch Panel	65.06	
27 11 19 00-0102	EA	Wall Mount Bracket For 96 Port Patch Panel	72.57	
27 11 19 00-0103	EA	Lightning Protection Plus Stainless Steel Modules, Siemon	285.37	41.14
27 11 19 00-0104		Telephone Components *(27 11 19)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0105		**Terminal Blocks With Wide Range Of 22-8 AWG** *(27 11 19 00-0104)*		
27 11 19 00-0106	EA	Terminal Block, Circuit Isolation Switch With Wire Range 22-8 AWG	22.54	8.24
27 11 19 00-0107	EA	Terminal Block, Fuse Holder 600 Volt, 6.3 Amp With Wire Range 22-8 AWG	39.20	8.24
27 11 19 00-0108	EA	Terminal Block, Fuse Holder 600 Volt, 10 Amp With Wire Range 22-8 AWG	32.38	8.24
27 11 19 00-0109	EA	Terminal Block, Solderless Box With Lugs And Wire Range 22-8 AWG	18.00	8.24
27 11 19 00-0110	EA	Flat Terminal Block Connection With Wire Range 22-8 AWG	12.81	5.77
27 11 19 00-0111	EA	Ground Terminal Block With Wire Range 22-8 AWG	23.26	8.24
27 11 19 00-0112	EA	Terminal Block, Solderless Box With Lug 600 Volt, 60 Amp With Wire Range 22-8 AWG	18.00	8.24
27 11 19 00-0113	EA	Terminal Block, Mini Box Lug 300 Volt, 30 Amp With Wire Range 22-8 AWG	12.70	5.77
27 11 19 00-0114	EA	Flat Terminal Block Connection 300 Volt, 20 Amp With Wire Range 22-8 AWG	12.63	5.77
27 11 19 00-0115	EA	Self Lifting Terminal Block, 300 Volt, 40 Amp Wire Connection With Wire Range 22-12 AWG	12.96	5.77
27 11 19 00-0116		**Terminal Block Mounting Channel** *(27 11 19 00-0104)*		
27 11 19 00-0117	EA	Terminal Block Mounting Channel, .5 M Galvanized Steel	11.79	4.13
27 11 19 00-0118	EA	Terminal Block Mounting Channel, 1 M Galvanized Steel	14.69	4.13
27 11 19 00-0119	EA	Terminal Block Mounting Channel, 2 M Galvanized Steel	19.74	4.13
27 11 19 00-0120	EA	Terminal Block Mounting Channel, .5 M Bi-Chrome Zinc	14.81	4.95
27 11 19 00-0121	EA	Terminal Block Mounting Channel, 1 M Bi-Chrome Zinc	19.60	4.95
27 11 19 00-0122	EA	Terminal Block Mounting Channel, 2 M Bi-Chrome Zinc	27.38	4.95
27 11 19 00-0123		**Outlet Termination Hardware** *(27 11 19 00-0104)*		
27 11 19 00-0124	EA	Telephone Outlet Blocks	20.82	4.13
27 11 19 00-0125	EA	Phone Outlet Block For Floor Box Note: Excludes box.	67.74	31.27
27 11 19 00-0126	EA	Fiber Optic "SC" Type Modular Bulkhead	55.09	18.51
27 11 19 00-0127	EA	Fiber Optic "ST" Type Modular Bulkhead	55.09	18.51
27 11 19 00-0128	EA	Type "F" Coaxial Connector Male	32.97	12.35
27 11 19 00-0129	EA	Modular Plate For 3-RJ-45, 4 - "SC" And 1 -"F" Connector	79.52	20.58
27 11 19 00-0130	EA	Modular Plate For 3-RJ-45, 4 - "ST" And 1 -"F" Connector	79.52	20.58
27 11 19 00-0131	EA	Access Floor Box With 3-RJ-45, 4 - "SC" And 1 -"F" Connector	93.82	20.58
27 11 19 00-0132	EA	Access Floor Box With 3-RJ-45, 4 - "ST" And 1 -"F" Connector	93.82	20.58
27 11 19 00-0133	EA	Access Floor Box With 2-RJ-45, 4 - "SC" And 1 -25 Pin Connector	86.30	20.58
27 11 19 00-0134	EA	Terminal Type - Punch Down Block 110 Type - 300 Pair Category 5	711.48	102.86
27 11 19 00-0135	EA	Wiring (Punch Down) Block with Stand-Off Legs, 100 Pair, Category V Note: Excludes cable terminations.	37.87	8.23
27 11 19 00-0136	EA	Connecting Block, 5-Pair	2.36	0.82
27 11 19 00-0137	EA	Connecting Block, 4-Pair	2.30	0.82
27 11 19 00-0138	EA	Plastic Label Holder, Transparent	9.66	2.05
27 11 19 00-0139	EA	Marked Label, White, 5-Pair	2.71	
27 11 19 00-0140	EA	Marked Label, Blue, 4-Pair	2.71	
27 11 19 00-0141		**Terminations in Manhole or Junction Box** *(27 11 19 00-0104)*		
27 11 19 00-0142	EA	25 Pair Cable Termination In Manhole Or Junction Box	131.67	
27 11 19 00-0143	EA	50 Pair Cable Termination In Manhole Or Junction Box	263.33	
27 11 19 00-0144	EA	100 Pair Cable Termination In Manhole Or Junction Box	526.67	
27 11 19 00-0145	EA	150 Pair Cable Termination In Manhole Or Junction Box	790.00	
27 11 19 00-0146	EA	200 Pair Cable Termination In Manhole Or Junction Box	924.14	
27 11 19 00-0147	EA	300 Pair Cable Termination In Manhole Or Junction Box	1,385.80	
27 11 19 00-0148	EA	400 Pair Cable Termination In Manhole Or Junction Box	1,742.95	
27 11 19 00-0149	EA	500 Pair Cable Termination In Manhole Or Junction Box	2,179.09	
27 11 19 00-0150	EA	750 Pair Cable Termination In Manhole Or Junction Box	3,268.63	
27 11 19 00-0151	EA	1,000 Pair Cable Termination In Manhole Or Junction Box	3,963.97	
27 11 19 00-0152	EA	1,200 Pair Cable Termination In Manhole Or Junction Box	4,517.87	

27 11 23 Communications Cable Management and Ladder Rack *(27 11)*

27 11 23 00-0001		**Equipment Supports** *(27 11 23)*		
27 11 23 00-0002	EA	110 Jumper Trough (Commscope 107831133)	23.74	4.12
27 11 23 00-0003	LF	Velcro CMP	1.98	0.82
27 11 23 00-0004	EA	12" x 5'-11" Tubular Runway	71.76	19.75
27 11 23 00-0005	EA	12" x 9'-11" Tubular Runway	123.84	32.91
27 11 23 00-0006	EA	Shelf Bracket Support For Tubular Runway	22.81	6.17
27 11 23 00-0007	EA	Straight Clamp Hardware For Tubular Runway	10.39	4.12
27 11 23 00-0008	EA	Corner Clamp Hardware For Tubular Runway	10.93	4.12
27 11 23 00-0009	EA	90 Degree Edge Clamp Hardware For Tubular Runway	24.19	7.41
27 11 23 00-0010	EA	Wall Angle Assembly Hardware For 12" Wide Tubular Runway	50.04	12.35
27 11 23 00-0011	EA	J-Bolt Hardware For Tubular Runway	9.61	1.81
27 11 23 00-0012	EA	T Bracket Hardware For Tubular Runway	26.51	10.28

27 14 Communications Cabling *(27 10)*

27 14 13 Communications Copper Cabling *(27 14)*

27 14 13 13 Communications Copper Cable Splicing and Terminations *(27 14 13)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 13-0001		Modular Plugs For Copper Communications Cable *(27 14 13 13)*		
27 14 13 13-0002	EA	Modular Plug For Non-Shielded Copper Communications Cable Note: Up to 8-position/8-contact non-shielded modular plug for solid or stranded wire. Includes termination.	18.52	
		For >5 To 10, Deduct	*-2.46*	
		For >10, Deduct	*-4.93*	
27 14 13 13-0003	EA	Modular Plug For Shielded Copper Communications Cable Note: Up to 8-position/8-contact shielded modular plug for solid or stranded wire. Includes termination.	21.01	
		For >5 To 10, Deduct	*-2.77*	
		For >10, Deduct	*-5.54*	
27 14 13 13-0004		Communications Termination Blocks *(27 14 13 13)*		
27 14 13 13-0005	EA	100-Pair, 110 Block With Legs	36.15	10.28
27 14 13 13-0006	EA	300-Pair, 110 Block With Legs	57.21	10.28
27 14 13 13-0007	EA	Clear Label Holder For 110 Wiring Block	10.38	4.12
27 14 13 13-0008	EA	4-Pair, 110C Connecting Block	4.77	2.05
27 14 13 13-0009	EA	5-Pair, 110C Connecting Block	4.87	2.05
27 14 13 13-0010	EA	100-Pair, 110 Jack Panel System Note: Includes twelve 8-pin modular jacks and mounting legs.	164.55	12.35
27 14 13 13-0011	EA	300-Pair, 110 Jack Panel System Note: Includes twelve 8-pin modular jacks and mounting legs.	420.27	12.35
27 14 13 13-0012		Testing And Certification Of Copper Communications Cable *(27 14 13 13)* Note: Use for existing systems.		
27 14 13 13-0013	PR	Test 1-Pair Of A Copper Communications Cable For Continuity	4.12	
		For >25-Pair, Deduct	*-1.64*	
27 14 13 13-0014	PR	Certify 1-Pair Of A Copper Communications Cable	6.17	
		For >25-Pair, Deduct	*-2.46*	
27 14 13 13-0015	PR	Certify And Document 1-Pair Of A Copper Communications Cable	9.87	
		For >25-Pair, Deduct	*-3.94*	
27 14 13 13-0016	PR	Test 4-Pair Cat 5-7 Telecommunications Cable For Continuity	16.46	
		For >25-Pair, Deduct	*-6.57*	
27 14 13 13-0017	PR	Certify 4-Pair Cat 5-7 Telecommunications Cable	24.69	
		For >25-Pair, Deduct	*-9.85*	
27 14 13 13-0018	PR	Certify And Document 4-Pair Cat 5-7 Telecommunications Cable	39.50	
		For >25-Pair, Deduct	*-15.76*	
27 14 13 13-0019		Building Entrance Terminals *(27 14 13 13)*		
27 14 13 13-0020	EA	25 Pair Gas Protective Unit Assembly Complete With Gas Protector	1,364.51	180.56
27 14 13 13-0021	EA	50 Pair Gas Protective Unit Assembly Complete With Gas Protector	1,860.14	300.93
27 14 13 13-0022	EA	100 Pair Gas Protective Unit Assembly Complete With Gas Protector	2,672.61	481.87
27 14 13 16		**Communications Copper Cabling** *(27 14 13)*		
27 14 13 16-0001		Copper Telecommunications Cable *(27 14 13 16)*		
27 14 13 16-0002		Indoor Telecommunications Cable *(27 14 13 16-0001)* Note: Telecommunications cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Telecommunications cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. Shielded twisted pair cables (STP) include a metallic foil wrap. Un-shielded twisted pair cables (UTP) exclude any shielding.		
27 14 13 16-0003		Category 3, Indoor Telecommunications Cable *(27 14 13 16-0002)* Note: Un-shielded twisted pair cables (UTP).		
27 14 13 16-0004		Category 3, Indoor Telecommunications Riser Cable *(27 14 13 16-0003)*		
27 14 13 16-0005		24 AWG, Category 3, Indoor Telecommunications Riser Cable *(27 14 13 16-0004)*		
27 14 13 16-0006		24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit *(27 14 13 16-0005)*		
27 14 13 16-0007	MLF	2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	656.90	345.63
27 14 13 16-0008	MLF	3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	691.30	345.63
27 14 13 16-0009	MLF	4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	703.34	345.63
27 14 13 16-0010	MLF	6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	854.43	395.00
27 14 13 16-0011	MLF	12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,107.30	395.00
27 14 13 16-0012	MLF	25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,509.82	395.00
27 14 13 16-0013	MLF	50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	2,434.73	493.75
27 14 13 16-0014	MLF	100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	4,421.61	790.00
27 14 13 16-0015	MLF	150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	6,024.25	888.75
27 14 13 16-0016	MLF	200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	8,044.89	987.51
27 14 13 16-0017	MLF	300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	11,778.92	1,382.51
27 14 13 16-0018	MLF	400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	15,459.66	1,708.39
27 14 13 16-0019	MLF	600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	24,125.98	2,370.01
27 14 13 16-0020	MLF	900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	39,042.15	4,740.03
27 14 13 16-0021	MLF	1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	52,969.21	7,110.05
27 14 13 16-0022		24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed *(27 14 13 16-0005)*		

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	27 14 13 16-0023	MLF	2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,232.94	691.26
	27 14 13 16-0024	MLF	3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,267.34	691.26
	27 14 13 16-0025	MLF	4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,279.38	691.26
	27 14 13 16-0026	MLF	6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,348.19	691.26
	27 14 13 16-0027	MLF	12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,601.06	691.26
	27 14 13 16-0028	MLF	25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	2,168.17	790.00
	27 14 13 16-0029	MLF	50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	3,257.65	987.51
	27 14 13 16-0030	MLF	100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	5,079.94	1,185.01
	27 14 13 16-0031	MLF	150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	6,764.88	1,333.13
	27 14 13 16-0032	MLF	200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	8,867.81	1,481.26
	27 14 13 16-0033	MLF	300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	12,931.01	2,073.76
	27 14 13 16-0034	MLF	400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	16,891.54	2,567.52
	27 14 13 16-0035	MLF	600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	26,100.99	3,555.02
	27 14 13 16-0036	MLF	900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	42,992.18	7,110.05
	27 14 13 16-0037	MLF	1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	58,894.25	10,665.07
	27 14 13 16-0038		22 AWG, Category 3, Indoor Telecommunications Riser Cable *(27 14 13 16-0004)*		
	27 14 13 16-0039		22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit *(27 14 13 16-0038)*		
	27 14 13 16-0040	MLF	25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	2,470.88	395.00
	27 14 13 16-0041	MLF	50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	3,700.26	493.75
	27 14 13 16-0042	MLF	100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	6,781.00	790.00
	27 14 13 16-0043	MLF	200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	12,131.35	987.51
	27 14 13 16-0044	MLF	300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	17,950.91	1,382.51
	27 14 13 16-0045	MLF	400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	23,400.98	1,708.39
	27 14 13 16-0046	MLF	600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	34,550.78	2,370.01
	27 14 13 16-0047		22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed *(27 14 13 16-0038)*		
	27 14 13 16-0048	MLF	25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	3,129.23	790.00
	27 14 13 16-0049	MLF	50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	4,523.18	987.51
	27 14 13 16-0050	MLF	100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	7,439.33	1,185.01
	27 14 13 16-0051	MLF	200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	12,954.27	1,481.26
	27 14 13 16-0052	MLF	300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	19,103.00	2,073.76
	27 14 13 16-0053	MLF	400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	24,832.86	2,567.52
	27 14 13 16-0054	MLF	600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	36,525.79	3,555.02
	27 14 13 16-0055		Category 3, Indoor Telecommunications Plenum Cable *(27 14 13 16-0003)*		
	27 14 13 16-0056		24 AWG, Category 3, Indoor Telecommunications Plenum Cable *(27 14 13 16-0055)*		
	27 14 13 16-0057		24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit *(27 14 13 16-0056)*		
	27 14 13 16-0058	MLF	2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	679.27	345.63
	27 14 13 16-0059	MLF	3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	713.66	345.63
	27 14 13 16-0060	MLF	4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	737.75	345.63
	27 14 13 16-0061	MLF	6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	890.56	395.00
	27 14 13 16-0062	MLF	12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,153.74	395.00
	27 14 13 16-0063	MLF	25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,871.05	395.00
	27 14 13 16-0064	MLF	50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	3,158.93	493.75
	27 14 13 16-0065	MLF	100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	5,990.40	790.00
	27 14 13 16-0066	MLF	200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	10,435.95	987.51
	27 14 13 16-0067	MLF	300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	15,657.91	1,382.51
	27 14 13 16-0068		24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed *(27 14 13 16-0056)*		
	27 14 13 16-0069	MLF	2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	1,255.31	691.26
	27 14 13 16-0070	MLF	3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	1,289.70	691.26
	27 14 13 16-0071	MLF	4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	1,313.79	691.26
	27 14 13 16-0072	MLF	6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	1,384.32	691.26
	27 14 13 16-0073	MLF	12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	1,647.50	691.26
	27 14 13 16-0074	MLF	25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	2,529.40	790.00
	27 14 13 16-0075	MLF	50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	3,981.85	987.51
	27 14 13 16-0076	MLF	100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	6,648.73	1,185.01
	27 14 13 16-0077	MLF	200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	11,258.87	1,481.26
	27 14 13 16-0078	MLF	300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	16,810.00	2,073.76
	27 14 13 16-0079		Category 5E, Indoor Telecommunications Cable *(27 14 13 16-0002)*		
	27 14 13 16-0080		Category 5E, Indoor Telecommunications Riser Cable *(27 14 13 16-0079)*		
	27 14 13 16-0081		Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit *(27 14 13 16-0080)*		
	27 14 13 16-0082	MLF	4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	765.27	345.63
	27 14 13 16-0083	MLF	4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	809.71	345.63

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0084	MLF	4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	892.86	395.00
27 14 13 16-0085	MLF	4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	937.57	395.00
27 14 13 16-0086		Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed *(27 14 13 16-0080)*		
27 14 13 16-0087	MLF	4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	1,341.31	691.26
27 14 13 16-0088	MLF	4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	1,385.75	691.26
27 14 13 16-0089	MLF	4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	1,551.21	790.00
27 14 13 16-0090	MLF	4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	1,595.92	790.00
27 14 13 16-0091		Category 5E, Indoor Telecommunications Plenum Cable *(27 14 13 16-0079)*		
27 14 13 16-0092		Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit *(27 14 13 16-0091)*		
27 14 13 16-0093	MLF	4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit	913.20	345.63
27 14 13 16-0094	MLF	4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,326.77	395.00
27 14 13 16-0095		Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed *(27 14 13 16-0091)*		
27 14 13 16-0096	MLF	4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed	1,489.24	691.26
27 14 13 16-0097	MLF	4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed	1,985.12	790.00
27 14 13 16-0098		Category 6, Indoor Telecommunications Cable *(27 14 13 16-0002)*		
27 14 13 16-0099		Category 6, Indoor Telecommunications Riser Cable *(27 14 13 16-0098)*		
27 14 13 16-0100		Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit *(27 14 13 16-0099)*		
27 14 13 16-0101	MLF	4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit	875.36	345.63
27 14 13 16-0102	MLF	4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit	908.82	345.63
27 14 13 16-0103		Category 6, Indoor Telecommunications Riser Cable, Installed Exposed *(27 14 13 16-0099)*		
27 14 13 16-0104	MLF	4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed	1,451.40	691.26
27 14 13 16-0105	MLF	4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed	1,484.86	691.26
27 14 13 16-0106		Category 6, Indoor Telecommunications Plenum Cable *(27 14 13 16-0098)*		
27 14 13 16-0107		Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit *(27 14 13 16-0106)*		
27 14 13 16-0108	MLF	4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,184.99	345.63
27 14 13 16-0109		Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed *(27 14 13 16-0106)*		
27 14 13 16-0110	MLF	4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed	1,761.03	691.26
27 14 13 16-0111		Category 6a, Indoor Telecommunications Cable *(27 14 13 16-0002)*		
27 14 13 16-0112		Category 6a, Indoor Telecommunications Riser Cable *(27 14 13 16-0111)*		
27 14 13 16-0113		Category 6a Indoor Telecommunications Riser Cable, Installed In Conduit *(27 14 13 16-0112)*		
27 14 13 16-0114	MLF	4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Riser Cable, Installed In Conduit	928.83	345.63
27 14 13 16-0115		Category 6a, Indoor Telecommunications Riser Cable, Installed Exposed *(27 14 13 16-0112)*		
27 14 13 16-0116	MLF	4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Riser Cable, Installed Exposed	1,504.87	691.26
27 14 13 16-0117		Category 6a, Indoor Telecommunications Plenum Cable *(27 14 13 16-0111)*		
27 14 13 16-0118		Category 6a, Indoor Telecommunications Plenum Cable, Installed In Conduit *(27 14 13 16-0117)*		
27 14 13 16-0119	MLF	4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,343.26	345.63
27 14 13 16-0120		Category 6a, Indoor Telecommunications Plenum Cable, Installed Exposed *(27 14 13 16-0117)*		
27 14 13 16-0121	MLF	4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Plenum Cable, Installed Exposed	1,919.30	691.26
27 14 13 16-0122		Category 7, Indoor Telecommunications Cable *(27 14 13 16-0002)*		
27 14 13 16-0123		Category 7, Indoor Telecommunications Cable, Installed In Conduit *(27 14 13 16-0122)*		
27 14 13 16-0124	MLF	4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed In Conduit	2,018.31	395.00
27 14 13 16-0125	MLF	4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed In Conduit	3,978.12	395.00

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0126			Category 7, Indoor Telecommunications Cable, Installed Exposed *(27 14 13 16-0122)*		
27 14 13 16-0127		MLF	4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed Exposed	2,676.66	790.00
27 14 13 16-0128		MLF	4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed Exposed	4,636.47	790.00
27 14 13 16-0129			Outdoor Telecommunications Cable *(27 14 13 16-0001)*		
			Note: Telecommunications cable installed in conduit includes pull wires and installation in conduit, innerduct, etc. Telecommunications cable buried in trench excludes excavation.		
27 14 13 16-0130			PE-89 Outdoor Telecommunications Cable *(27 14 13 16-0129)*		
			Note: Includes foam-skin polyolefin insulated conductors.		
27 14 13 16-0131			24 AWG, PE-89 Outdoor Telecommunications Cable *(27 14 13 16-0130)*		
27 14 13 16-0132			24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit *(27 14 13 16-0131)*		
27 14 13 16-0133		MLF	6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,472.40	691.26
27 14 13 16-0134		MLF	12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,607.88	691.26
27 14 13 16-0135		MLF	25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,899.74	691.26
27 14 13 16-0136		MLF	50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,455.74	691.26
27 14 13 16-0137		MLF	75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	3,008.37	691.26
27 14 13 16-0138		MLF	100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	3,562.29	691.26
27 14 13 16-0139		MLF	200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	6,054.78	888.75
27 14 13 16-0140		MLF	300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	8,883.97	1,283.75
27 14 13 16-0141		MLF	400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	11,755.29	1,678.76
27 14 13 16-0142		MLF	600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	15,958.46	2,271.27
27 14 13 16-0143		MLF	900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	25,906.25	4,542.53
27 14 13 16-0144		MLF	1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	35,782.12	6,715.05
27 14 13 16-0145			24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench *(27 14 13 16-0131)*		
27 14 13 16-0146		MLF	6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,225.52	
27 14 13 16-0147		MLF	12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,361.00	
27 14 13 16-0148		MLF	25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,652.86	
27 14 13 16-0149		MLF	50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,208.86	
27 14 13 16-0150		MLF	75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,761.49	
27 14 13 16-0151		MLF	100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	3,315.41	
27 14 13 16-0152		MLF	200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	5,890.20	
27 14 13 16-0153		MLF	300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	8,390.22	
27 14 13 16-0154		MLF	400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	10,726.63	
27 14 13 16-0155		MLF	600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	14,148.03	
27 14 13 16-0156		MLF	900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	20,968.73	
27 14 13 16-0157		MLF	1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	28,540.39	
27 14 13 16-0158			22 AWG, PE-89 Outdoor Telecommunications Cable *(27 14 13 16-0130)*		
27 14 13 16-0159			22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit *(27 14 13 16-0158)*		
27 14 13 16-0160		MLF	6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,558.53	691.26
27 14 13 16-0161		MLF	12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,768.80	691.26
27 14 13 16-0162		MLF	25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,229.12	691.26
27 14 13 16-0163		MLF	50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	3,042.01	691.26
27 14 13 16-0164		MLF	75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	3,924.55	691.26
27 14 13 16-0165		MLF	100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	4,807.81	691.26
27 14 13 16-0166		MLF	200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	8,457.56	888.75
27 14 13 16-0167		MLF	300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	12,310.82	1,283.75
27 14 13 16-0168		MLF	400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	16,374.98	1,678.76
27 14 13 16-0169		MLF	600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	24,025.88	2,271.27
27 14 13 16-0170		MLF	900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	36,094.74	4,542.53
27 14 13 16-0171		MLF	1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	51,025.03	6,715.05
27 14 13 16-0172			22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench *(27 14 13 16-0158)*		
27 14 13 16-0173		MLF	6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,311.65	
27 14 13 16-0174		MLF	12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,521.92	
27 14 13 16-0175		MLF	25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,982.24	
27 14 13 16-0176		MLF	50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,795.13	
27 14 13 16-0177		MLF	75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	3,677.67	
27 14 13 16-0178		MLF	100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	4,560.93	
27 14 13 16-0179		MLF	200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	8,292.98	
27 14 13 16-0180		MLF	300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	11,817.07	
27 14 13 16-0181		MLF	400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	15,346.32	
27 14 13 16-0182		MLF	600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	22,215.45	
27 14 13 16-0183		MLF	900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	31,157.22	
27 14 13 16-0184		MLF	1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	43,783.30	
27 14 13 16-0185			19 AWG, PE-89 Outdoor Telecommunications Cable *(27 14 13 16-0130)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0186		19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit *(27 14 13 16-0185)*		
27 14 13 16-0187	MLF	25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	3,244.55	691.26
27 14 13 16-0188	MLF	50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	5,026.85	691.26
27 14 13 16-0189	MLF	75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	7,455.20	691.26
27 14 13 16-0190	MLF	100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	8,739.19	691.26
27 14 13 16-0191		19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench *(27 14 13 16-0185)*		
27 14 13 16-0192	MLF	25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,997.67	
27 14 13 16-0193	MLF	50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	4,779.97	
27 14 13 16-0194	MLF	75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	7,208.32	
27 14 13 16-0195	MLF	100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	8,492.31	
27 14 13 16-0196		PE-39 Outdoor Telecommunications Cable *(27 14 13 16-0129)* Note: Includes solid polyolefin insulated conductors.		
27 14 13 16-0197		24 AWG, PE-39 Outdoor Telecommunications Cable *(27 14 13 16-0196)*		
27 14 13 16-0198		24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit *(27 14 13 16-0197)*		
27 14 13 16-0199	MLF	6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	1,484.51	691.26
27 14 13 16-0200	MLF	12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	1,650.26	691.26
27 14 13 16-0201	MLF	25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	1,984.65	691.26
27 14 13 16-0202	MLF	50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	2,586.82	691.26
27 14 13 16-0203	MLF	100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,808.12	691.26
27 14 13 16-0204	MLF	200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	6,616.99	888.75
27 14 13 16-0205	MLF	300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	9,650.85	1,283.75
27 14 13 16-0206	MLF	400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	12,689.73	1,678.76
27 14 13 16-0207	MLF	600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	17,322.81	2,271.27
27 14 13 16-0208	MLF	900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	27,670.69	4,542.53
27 14 13 16-0209	MLF	1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	40,358.35	6,715.05
27 14 13 16-0210		24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench *(27 14 13 16-0197)*		
27 14 13 16-0211	MLF	6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	1,237.63	
27 14 13 16-0212	MLF	12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	1,403.38	
27 14 13 16-0213	MLF	25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	1,737.77	
27 14 13 16-0214	MLF	50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	2,339.94	
27 14 13 16-0215	MLF	100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	3,561.24	
27 14 13 16-0216	MLF	200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	6,452.41	
27 14 13 16-0217	MLF	300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	9,157.10	
27 14 13 16-0218	MLF	400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	11,661.07	
27 14 13 16-0219	MLF	600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	15,512.38	
27 14 13 16-0220	MLF	900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	22,733.17	
27 14 13 16-0221	MLF	1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	33,116.62	
27 14 13 16-0222		22 AWG, PE-39 Outdoor Telecommunications Cable *(27 14 13 16-0196)*		
27 14 13 16-0223		22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit *(27 14 13 16-0222)*		
27 14 13 16-0224	MLF	6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	1,580.34	691.26
27 14 13 16-0225	MLF	12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	1,823.90	691.26
27 14 13 16-0226	MLF	25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	2,342.21	691.26
27 14 13 16-0227	MLF	50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,295.71	691.26
27 14 13 16-0228	MLF	100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	5,285.55	691.26
27 14 13 16-0229	MLF	200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	9,460.27	888.75
27 14 13 16-0230	MLF	300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	13,847.89	1,283.75
27 14 13 16-0231	MLF	400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	17,765.96	1,678.76
27 14 13 16-0232	MLF	600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	24,760.66	2,271.27
27 14 13 16-0233	MLF	900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	39,714.29	4,542.53
27 14 13 16-0234		22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench *(27 14 13 16-0222)*		
27 14 13 16-0235	MLF	6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	1,333.46	
27 14 13 16-0236	MLF	12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	1,577.02	
27 14 13 16-0237	MLF	25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	2,095.33	
27 14 13 16-0238	MLF	50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	3,048.83	
27 14 13 16-0239	MLF	100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	5,038.67	
27 14 13 16-0240	MLF	200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	9,295.69	
27 14 13 16-0241	MLF	300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	13,354.14	
27 14 13 16-0242	MLF	400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	16,737.30	
27 14 13 16-0243	MLF	600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	22,950.23	
27 14 13 16-0244	MLF	900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	34,776.77	
27 14 13 16-0245		19 AWG, PE-39 Outdoor Telecommunications Cable *(27 14 13 16-0196)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0246		19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit *(27 14 13 16-0245)*		
27 14 13 16-0247	MLF	25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,490.38	691.26
27 14 13 16-0248	MLF	50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	5,424.22	691.26
27 14 13 16-0249	MLF	100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	9,434.31	691.26
27 14 13 16-0250		19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench *(27 14 13 16-0245)*		
27 14 13 16-0251	MLF	25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	3,243.50	
27 14 13 16-0252	MLF	50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	5,177.34	
27 14 13 16-0253	MLF	100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	9,187.43	
27 14 13 16-0254		(Aerial) Outdoor Telecommunications Cable *(27 14 13 16-0129)* Note: Includes support wire.		
27 14 13 16-0255		24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles *(27 14 13 16-0254)*		
27 14 13 16-0256	MLF	6-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	4,493.72	1,397.99
27 14 13 16-0257	MLF	12-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	4,631.63	1,397.99
27 14 13 16-0258	MLF	25-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	4,974.04	1,397.99
27 14 13 16-0259	MLF	50-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	5,608.00	1,397.99
27 14 13 16-0260	MLF	100-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	6,832.48	1,397.99
27 14 13 16-0261	MLF	200-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	9,611.95	1,537.79
27 14 13 16-0262	MLF	300-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	12,406.57	1,677.59
27 14 13 16-0263		22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles *(27 14 13 16-0254)*		
27 14 13 16-0264	MLF	6-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	4,658.72	1,397.99
27 14 13 16-0265	MLF	12-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	4,862.47	1,397.99
27 14 13 16-0266	MLF	25-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	5,353.24	1,397.99
27 14 13 16-0267	MLF	50-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	6,322.79	1,397.99
27 14 13 16-0268	MLF	100-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,658.75	1,397.99
27 14 13 16-0269	MLF	200-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	12,734.00	1,537.79
27 14 13 16-0270		19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles *(27 14 13 16-0254)*		
27 14 13 16-0271	MLF	6-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	4,876.86	1,397.99
27 14 13 16-0272	MLF	12-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	5,337.64	1,397.99
27 14 13 16-0273	MLF	25-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	6,243.62	1,397.99
27 14 13 16-0274	MLF	50-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,055.58	1,397.99
27 14 13 16-0275	MLF	100-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	11,898.64	1,397.99
27 14 13 16-0276		Solid Conductor Low Voltage Cable *(27 14 13 16)*		
27 14 13 16-0277		Shielded, Low Voltage Cable, Pulled In Conduit *(27 14 13 16-0276)*		
27 14 13 16-0278		#12 AWG Low Voltage Cable, Pulled In Conduit, Shielded *(27 14 13 16-0277)*		
27 14 13 16-0279	MLF	1 Pair #12 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	1,725.95	744.81
		For #10 AWG, Add	*408.18*	
		For Installation On Exposed Surface, Deduct	*-248.29*	
27 14 13 16-0280	MLF	2 Pair #12 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	2,179.68	771.14
		For #10 AWG, Add	*552.17*	
		For Installation On Exposed Surface, Deduct	*-257.12*	
27 14 13 16-0281	MLF	3 Pair #12 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	2,575.62	798.23
		For #10 AWG, Add	*677.06*	
		For Installation On Exposed Surface, Deduct	*-266.00*	
27 14 13 16-0282	MLF	4 Pair #12 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	2,995.22	825.31
		For #10 AWG, Add	*809.55*	
		For Installation On Exposed Surface, Deduct	*-275.18*	
27 14 13 16-0283	MLF	5 Pair #12 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	3,439.57	880.98
		For #10 AWG, Add	*944.12*	
		For Installation On Exposed Surface, Deduct	*-293.75*	
27 14 13 16-0284	MLF	6 Pair #12 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	3,842.82	935.90
		For #10 AWG, Add	*1,065.30*	
		For Installation On Exposed Surface, Deduct	*-312.05*	
27 14 13 16-0285	MLF	8 Pair #12 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	4,148.77	1,047.24
		For #10 AWG, Add	*1,142.23*	
		For Installation On Exposed Surface, Deduct	*-349.02*	
27 14 13 16-0286	MLF	12 Pair #12 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	5,505.35	1,380.52
		For #10 AWG, Add	*1,517.71*	
		For Installation On Exposed Surface, Deduct	*-460.09*	
27 14 13 16-0287	MLF	24 Pair #12 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	8,204.52	2,038.82
		For #10 AWG, Add	*2,265.86*	
		For Installation On Exposed Surface, Deduct	*-679.43*	
27 14 13 16-0288		#14 AWG Low Voltage Cable, Pulled In Conduit, Shielded *(27 14 13 16-0277)*		
27 14 13 16-0289	MLF	1 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	1,548.54	651.52
		For Installation On Exposed Surface, Deduct	*-217.12*	

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MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0290	MLF 2 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	1,978.99	674.84
	For Installation On Exposed Surface, Deduct	*-224.95*	
27 14 13 16-0291	MLF 3 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	2,354.01	698.17
	For Installation On Exposed Surface, Deduct	*-232.77*	
27 14 13 16-0292	MLF 4 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	2,750.92	722.24
	For Installation On Exposed Surface, Deduct	*-240.75*	
27 14 13 16-0293	MLF 5 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	3,168.06	771.14
	For Installation On Exposed Surface, Deduct	*-257.00*	
27 14 13 16-0294	MLF 6 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	3,545.65	819.29
	For Installation On Exposed Surface, Deduct	*-272.94*	
27 14 13 16-0295	MLF 8 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	3,823.87	916.34
	For Installation On Exposed Surface, Deduct	*-305.45*	
27 14 13 16-0296	MLF 12 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	5,074.67	1,207.49
	For Installation On Exposed Surface, Deduct	*-402.50*	
27 14 13 16-0297	MLF 24 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	7,566.49	1,783.78
	For Installation On Exposed Surface, Deduct	*-594.64*	

27 14 13 16-0298 #16 AWG Low Voltage Cable, Pulled In Conduit, Shielded *(27 14 13 16-0277)*

27 14 13 16-0299	MLF 1 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	1,377.40	581.55
	For Installation On Exposed Surface, Deduct	*-193.95*	
27 14 13 16-0300	MLF 2 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	1,658.50	602.62
	For Installation On Exposed Surface, Deduct	*-200.87*	
27 14 13 16-0301	MLF 3 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	2,087.02	623.68
	For Installation On Exposed Surface, Deduct	*-207.79*	
27 14 13 16-0302	MLF 4 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	2,437.54	644.75
	For Installation On Exposed Surface, Deduct	*-215.02*	
27 14 13 16-0303	MLF 5 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	2,805.54	688.38
	For Installation On Exposed Surface, Deduct	*-229.46*	
27 14 13 16-0304	MLF 6 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	3,139.30	731.26
	For Installation On Exposed Surface, Deduct	*-243.75*	
27 14 13 16-0305	MLF 7 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	3,262.48	774.90
	For Installation On Exposed Surface, Deduct	*-258.20*	
27 14 13 16-0306	MLF 8 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	3,386.39	818.54
	For Installation On Exposed Surface, Deduct	*-272.79*	
27 14 13 16-0307	MLF 9 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	3,809.99	870.44
	For Installation On Exposed Surface, Deduct	*-290.10*	
27 14 13 16-0308	MLF 12 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	4,493.51	1,078.09
	For Installation On Exposed Surface, Deduct	*-359.39*	
27 14 13 16-0309	MLF 24 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	6,699.45	1,592.68
	For Installation On Exposed Surface, Deduct	*-530.92*	

27 14 13 16-0310 #18 AWG Low Voltage Cable, Pulled In Conduit, Shielded *(27 14 13 16-0277)*

27 14 13 16-0311	MLF 1 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	1,140.98	512.34
	For Installation On Exposed Surface, Deduct	*-170.63*	
27 14 13 16-0312	MLF 2 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	1,415.15	530.39
	For Installation On Exposed Surface, Deduct	*-176.80*	
27 14 13 16-0313	MLF 3 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	1,654.86	548.45
	For Installation On Exposed Surface, Deduct	*-182.97*	
27 14 13 16-0314	MLF 4 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	1,907.70	567.26
	For Installation On Exposed Surface, Deduct	*-189.14*	
27 14 13 16-0315	MLF 5 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	2,180.49	605.63
	For Installation On Exposed Surface, Deduct	*-201.92*	
27 14 13 16-0316	MLF 6 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	2,428.90	643.24
	For Installation On Exposed Surface, Deduct	*-214.57*	
27 14 13 16-0317	MLF 8 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	2,627.99	719.98
	For Installation On Exposed Surface, Deduct	*-239.99*	
27 14 13 16-0318	MLF 12 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	3,485.41	948.69
	For Installation On Exposed Surface, Deduct	*-316.28*	
27 14 13 16-0319	MLF 24 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	5,192.02	1,401.59
	For Installation On Exposed Surface, Deduct	*-467.20*	

27 14 13 16-0320 #20 AWG Low Voltage Cable, Pulled In Conduit, Shielded *(27 14 13 16-0277)*

27 14 13 16-0321	MLF 1 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	996.86	465.70
	For Installation On Exposed Surface, Deduct	*-155.13*	
27 14 13 16-0322	MLF 2 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	1,212.89	482.25
	For Installation On Exposed Surface, Deduct	*-160.70*	
27 14 13 16-0323	MLF 3 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	1,400.01	499.17
	For Installation On Exposed Surface, Deduct	*-166.26*	
27 14 13 16-0324	MLF 4 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	1,597.18	516.10
	For Installation On Exposed Surface, Deduct	*-171.98*	
27 14 13 16-0325	MLF 5 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	1,817.25	550.71
	For Installation On Exposed Surface, Deduct	*-183.49*	
27 14 13 16-0326	MLF 6 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	2,017.13	585.31
	For Installation On Exposed Surface, Deduct	*-195.00*	
27 14 13 16-0327	MLF 8 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	2,204.25	654.52
	For Installation On Exposed Surface, Deduct	*-218.18*	
27 14 13 16-0328	MLF 12 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	2,900.91	862.92
	For Installation On Exposed Surface, Deduct	*-287.54*	
27 14 13 16-0329	MLF 24 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	4,318.64	1,274.45
	For Installation On Exposed Surface, Deduct	*-424.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0330	MLF	25 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	4,616.73	1,304.54
		For Installation On Exposed Surface, Deduct	*-434.85*	
27 14 13 16-0331	MLF	36 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	5,524.52	1,518.95
		For Installation On Exposed Surface, Deduct	*-506.32*	
27 14 13 16-0332	MLF	40 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	5,929.85	1,625.79
		For Installation On Exposed Surface, Deduct	*-541.98*	
27 14 13 16-0333	MLF	50 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	7,032.77	2,032.05
		For Installation On Exposed Surface, Deduct	*-677.24*	
27 14 13 16-0334	MLF	100 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	9,618.49	2,675.28
		For Installation On Exposed Surface, Deduct	*-891.66*	

27 14 13 16-0335 #22 AWG Low Voltage Cable, Pulled In Conduit, Shielded *(27 14 13 16-0277)*

27 14 13 16-0336	MLF	1 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	813.89	419.04
		For Installation On Exposed Surface, Deduct	*-139.63*	
27 14 13 16-0337	MLF	2 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	881.34	434.09
		For Installation On Exposed Surface, Deduct	*-144.60*	
27 14 13 16-0338	MLF	3 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	965.80	449.14
		For Installation On Exposed Surface, Deduct	*-149.71*	
27 14 13 16-0339	MLF	4 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	1,058.35	464.19
		For Installation On Exposed Surface, Deduct	*-154.83*	
27 14 13 16-0340	MLF	5 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	1,190.66	495.78
		For Installation On Exposed Surface, Deduct	*-165.21*	
27 14 13 16-0341	MLF	6 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	1,325.49	525.13
		For Installation On Exposed Surface, Deduct	*-175.14*	

27 14 13 16-0342 Triad *(27 14 13 16-0277)*

27 14 13 16-0343	MLF	1 Triad #16 AWG, Stranded, Low Voltage, Placed In Conduit	1,891.87	623.68
27 14 13 16-0344	MLF	4 Triad #20 AWG, Stranded, Low Voltage, Placed In Conduit	2,463.33	862.92
27 14 13 16-0345	MLF	8 Triad #20 AWG, Stranded, Low Voltage, Placed In Conduit	3,851.21	1,274.45
27 14 13 16-0346	MLF	12 Triad #20 AWG, Stranded, Low Voltage, Placed In Conduit	4,798.79	1,518.95
27 14 13 16-0347	MLF	24 Triad #20 AWG, Stranded, Low Voltage, Placed In Conduit	7,862.48	2,353.29
27 14 13 16-0348	MLF	36 Triad #20 AWG, Stranded, Low Voltage, Placed In Conduit	9,046.64	2,675.28

27 14 13 16-0349 Shielded, Low Voltage Cable Buried In Trench *(27 14 13 16-0276)*

Note: Excludes excavation.

27 14 13 16-0350	MLF	1 Pair #14 AWG, Solid, Low Voltage, Direct Burial, Alarm And Communications Cable	1,467.14	
27 14 13 16-0351	MLF	2 Pair #14 AWG, Solid, Low Voltage, Direct Burial, Alarm And Communications Cable	1,893.71	
27 14 13 16-0352	MLF	3 Pair #14 AWG, Solid, Low Voltage, Direct Burial, Alarm And Communications Cable	2,265.78	
27 14 13 16-0353	MLF	4 Pair #14 AWG, Solid, Low Voltage, Direct Burial, Alarm And Communications Cable	2,660.30	
27 14 13 16-0354	MLF	5 Pair #14 AWG, Solid, Low Voltage, Direct Burial, Alarm And Communications Cable	3,070.90	
27 14 13 16-0355	MLF	6 Pair #14 AWG, Solid, Low Voltage, Direct Burial, Alarm And Communications Cable	3,442.92	

27 14 13 16-0356 Shielded, Low Voltage Cable Installed On Poles, Aerially *(27 14 13 16-0276)*

27 14 13 16-0357	MLF	1 Pair #14 AWG, Solid, Low Voltage, On Poles, Alarm And Communications Cable	1,539.55	407.77
27 14 13 16-0358	MLF	2 Pair #14 AWG, Solid, Low Voltage, On Poles, Alarm And Communications Cable	2,007.78	436.87
27 14 13 16-0359	MLF	3 Pair #14 AWG, Solid, Low Voltage, On Poles, Alarm And Communications Cable	2,648.34	552.29
27 14 13 16-0360	MLF	4 Pair #14 AWG, Solid, Low Voltage, On Poles, Alarm And Communications Cable	3,233.80	638.79
27 14 13 16-0361	MLF	5 Pair #14 AWG, Solid, Low Voltage, On Poles, Alarm And Communications Cable	5,056.24	728.09
27 14 13 16-0362	MLF	6 Pair #14 AWG, Solid, Low Voltage, On Poles, Alarm And Communications Cable	6,085.54	930.19

27 14 13 16-0363 Non-Shielded Low Voltage Cable Pulled In Conduit *(27 14 13 16-0276)*

27 14 13 16-0364 #14 AWG Low Voltage Cable, Pulled In Conduit, Non-Shielded *(27 14 13 16-0363)*

27 14 13 16-0365	MLF	1 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,512.80	651.52
		For Installation On Exposed Surface, Deduct	*-217.12*	
27 14 13 16-0366	MLF	2 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,913.04	674.84
		For Installation On Exposed Surface, Deduct	*-224.95*	
27 14 13 16-0367	MLF	3 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,262.13	698.17
		For Installation On Exposed Surface, Deduct	*-232.77*	
27 14 13 16-0368	MLF	4 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,631.47	722.24
		For Installation On Exposed Surface, Deduct	*-240.75*	
27 14 13 16-0369	MLF	5 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	3,021.17	770.38
		For Installation On Exposed Surface, Deduct	*-256.69*	
27 14 13 16-0370	MLF	6 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	3,376.53	818.54
		For Installation On Exposed Surface, Deduct	*-272.79*	
27 14 13 16-0371	MLF	8 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	3,646.57	916.34
		For Installation On Exposed Surface, Deduct	*-305.45*	
27 14 13 16-0372	MLF	12 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	4,838.26	1,207.49
		For Installation On Exposed Surface, Deduct	*-402.50*	
27 14 13 16-0373	MLF	24 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	7,211.88	1,783.78
		For Installation On Exposed Surface, Deduct	*-594.64*	

27 14 13 16-0374 #16 AWG Low Voltage Cable, Pulled In Conduit, Non-Shielded *(27 14 13 16-0363)*

27 14 13 16-0375	MLF	1 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,345.93	581.55
		For Installation On Exposed Surface, Deduct	*-193.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0376	MLF	2 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,698.54	602.62
		For Installation On Exposed Surface, Deduct	*-200.87*	
27 14 13 16-0377	MLF	3 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,006.11	623.68
		For Installation On Exposed Surface, Deduct	*-207.79*	
27 14 13 16-0378	MLF	4 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,332.36	644.75
		For Installation On Exposed Surface, Deduct	*-215.02*	
27 14 13 16-0379	MLF	5 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,676.78	687.63
		For Installation On Exposed Surface, Deduct	*-229.31*	
27 14 13 16-0380	MLF	6 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,991.03	731.26
		For Installation On Exposed Surface, Deduct	*-243.75*	
27 14 13 16-0381	MLF	7 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	3,110.28	774.90
		For Installation On Exposed Surface, Deduct	*-258.20*	
27 14 13 16-0382	MLF	8 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	3,350.90	818.54
		For Installation On Exposed Surface, Deduct	*-272.79*	
27 14 13 16-0383	MLF	9 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	3,768.49	870.44
		For Installation On Exposed Surface, Deduct	*-290.08*	
27 14 13 16-0384	MLF	12 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	4,285.33	1,078.09
		For Installation On Exposed Surface, Deduct	*-359.39*	
27 14 13 16-0385	MLF	24 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	6,387.55	1,592.68
		For Installation On Exposed Surface, Deduct	*-530.99*	

27 14 13 16-0386 #18 AWG Low Voltage Cable, Pulled In Conduit, Non-Shielded *(27 14 13 16-0363)*

27 14 13 16-0387	MLF	1 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,167.10	511.58
		For Installation On Exposed Surface, Deduct	*-170.63*	
27 14 13 16-0388	MLF	2 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,446.95	530.39
		For Installation On Exposed Surface, Deduct	*-176.80*	
27 14 13 16-0389	MLF	3 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,607.72	549.20
		For Installation On Exposed Surface, Deduct	*-182.97*	
27 14 13 16-0390	MLF	4 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,833.43	567.26
		For Installation On Exposed Surface, Deduct	*-189.14*	
27 14 13 16-0391	MLF	5 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,070.59	605.63
		For Installation On Exposed Surface, Deduct	*-201.92*	
27 14 13 16-0392	MLF	6 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,307.02	644.00
		For Installation On Exposed Surface, Deduct	*-214.57*	
27 14 13 16-0393	MLF	8 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,888.86	719.98
		For Installation On Exposed Surface, Deduct	*-239.99*	
27 14 13 16-0394	MLF	12 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	3,723.71	948.69
		For Installation On Exposed Surface, Deduct	*-316.28*	
27 14 13 16-0395	MLF	24 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	5,583.84	1,401.59
		For Installation On Exposed Surface, Deduct	*-467.20*	

27 14 13 16-0396 #20 AWG Low Voltage Cable, Pulled In Conduit, Non-Shielded *(27 14 13 16-0363)*

27 14 13 16-0397	MLF	1 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	997.28	465.70
		For Installation On Exposed Surface, Deduct	*-155.13*	
27 14 13 16-0398	MLF	2 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,181.29	482.25
		For Installation On Exposed Surface, Deduct	*-160.70*	
27 14 13 16-0399	MLF	3 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,439.63	549.20
		For Installation On Exposed Surface, Deduct	*-182.97*	
27 14 13 16-0400	MLF	4 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,540.26	516.10
		For Installation On Exposed Surface, Deduct	*-171.98*	
27 14 13 16-0401	MLF	5 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,839.94	605.63
		For Installation On Exposed Surface, Deduct	*-201.92*	
27 14 13 16-0402	MLF	6 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,034.49	644.00
		For Installation On Exposed Surface, Deduct	*-214.57*	
27 14 13 16-0403	MLF	8 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,222.12	716.67
		For Installation On Exposed Surface, Deduct	*-238.94*	
27 14 13 16-0404	MLF	12 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,787.95	862.92
		For Installation On Exposed Surface, Deduct	*-287.54*	
27 14 13 16-0405	MLF	24 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	4,149.20	1,274.45
		For Installation On Exposed Surface, Deduct	*-424.77*	
27 14 13 16-0406	MLF	25 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	4,428.17	1,304.54
		For Installation On Exposed Surface, Deduct	*-434.85*	
27 14 13 16-0407	MLF	36 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	5,293.47	1,518.95
		For Installation On Exposed Surface, Deduct	*-506.32*	
27 14 13 16-0408	MLF	40 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	5,681.27	1,625.79
		For Installation On Exposed Surface, Deduct	*-541.98*	
27 14 13 16-0409	MLF	50 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	6,751.25	2,032.05
		For Installation On Exposed Surface, Deduct	*-677.24*	
27 14 13 16-0410	MLF	100 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	9,220.12	2,675.28
		For Installation On Exposed Surface, Deduct	*-891.66*	

27 14 13 16-0411 #22 AWG Low Voltage Cable, Pulled In Conduit, Non-Shielded *(27 14 13 16-0363)*

27 14 13 16-0412	MLF	1 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	845.10	419.04
		For Installation On Exposed Surface, Deduct	*-139.63*	
		For Installation On Exposed Surface, Deduct	*-139.63*	
27 14 13 16-0413	MLF	2 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	924.05	434.09
		For Installation On Exposed Surface, Deduct	*-144.60*	
		For Installation On Exposed Surface, Deduct	*-144.60*	
27 14 13 16-0414	MLF	3 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,034.45	449.14
		For Installation On Exposed Surface, Deduct	*-149.71*	
		For Installation On Exposed Surface, Deduct	*-149.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0415	MLF	4 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,157.40	464.19
		For Installation On Exposed Surface, Deduct	*-154.83*	
		For Installation On Exposed Surface, Deduct	*-154.83*	
27 14 13 16-0416	MLF	5 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,300.43	495.78
		For Installation On Exposed Surface, Deduct	*-165.21*	
		For Installation On Exposed Surface, Deduct	*-165.21*	
27 14 13 16-0417	MLF	6 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,460.89	525.13
		For Installation On Exposed Surface, Deduct	*-175.14*	
		For Installation On Exposed Surface, Deduct	*-175.14*	
27 14 13 16-0418		**Shielded Plenum Rated, Low Voltage Cable, Pulled In Conduit** *(27 14 13 16-0276)*		
27 14 13 16-0419	MLF	1 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,323.73	581.55
27 14 13 16-0420	MLF	2 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,837.05	602.62
27 14 13 16-0421	MLF	3 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	2,184.75	623.68
27 14 13 16-0422	MLF	4 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	2,345.76	644.75
27 14 13 16-0423	MLF	5 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	3,020.85	687.63
27 14 13 16-0424	MLF	6 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	3,300.49	731.26
27 14 13 16-0425	MLF	8 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	4,361.65	818.54
27 14 13 16-0426	MLF	12 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	5,272.22	1,078.09
27 14 13 16-0427	MLF	24 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	8,109.09	1,592.68
27 14 13 16-0428	MLF	1 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,120.78	511.58
27 14 13 16-0429	MLF	2 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,539.67	530.39
27 14 13 16-0430	MLF	3 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,878.62	549.20
27 14 13 16-0431	MLF	4 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	2,024.35	567.26
27 14 13 16-0432	MLF	5 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	2,597.84	605.63
27 14 13 16-0433	MLF	6 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	3,004.53	644.00
27 14 13 16-0434	MLF	8 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	3,410.62	719.98
27 14 13 16-0435	MLF	12 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	4,362.70	948.69
27 14 13 16-0436	MLF	24 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	7,242.40	1,401.59
27 14 13 16-0437	MLF	1 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	958.85	465.70
27 14 13 16-0438	MLF	2 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,213.17	482.25
27 14 13 16-0439	MLF	3 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,458.42	498.79
27 14 13 16-0440	MLF	4 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,597.68	516.10
27 14 13 16-0441	MLF	5 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,766.28	550.71
27 14 13 16-0442	MLF	6 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,967.37	585.31
27 14 13 16-0443	MLF	8 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	2,205.02	654.52
27 14 13 16-0444	MLF	12 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	3,136.39	862.92
27 14 13 16-0445	MLF	24 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	4,852.52	1,274.45
27 14 13 16-0446	MLF	25 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	5,210.65	1,304.54
27 14 13 16-0447	MLF	36 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	6,230.74	1,518.95
27 14 13 16-0448	MLF	40 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	6,713.13	1,625.79
27 14 13 16-0449	MLF	50 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	7,919.80	2,032.05
27 14 13 16-0450	MLF	100 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	10,873.73	2,675.28
27 14 13 16-0451	MLF	250 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	21,706.46	4,927.76
27 14 13 16-0452	MLF	500 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	34,810.79	6,521.20
27 14 13 16-0453	MLF	750 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	47,824.05	8,217.71
27 14 13 16-0454	MLF	1200 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	68,061.11	11,272.16
27 14 13 16-0455	MLF	1 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	892.85	465.70
27 14 13 16-0456	MLF	2 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,065.55	482.25
27 14 13 16-0457	MLF	3 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,232.46	498.79
27 14 13 16-0458	MLF	4 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,331.85	516.10
27 14 13 16-0459	MLF	5 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,460.58	550.71
27 14 13 16-0460	MLF	6 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,609.80	585.31
27 14 13 16-0461	MLF	8 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,803.56	654.52
27 14 13 16-0462	MLF	12 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	2,524.32	862.92
27 14 13 16-0463	MLF	24 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	3,869.32	1,274.45
27 14 13 16-0464	MLF	25 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	4,116.56	1,304.54
27 14 13 16-0465	MLF	36 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	4,911.82	1,518.95
27 14 13 16-0466	MLF	40 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	5,270.66	1,625.79
27 14 13 16-0467	MLF	50 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	6,286.24	2,032.05
27 14 13 16-0468	MLF	100 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	8,562.10	2,675.28
27 14 13 16-0469	MLF	250 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	16,814.45	4,927.76
27 14 13 16-0470	MLF	500 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	26,173.86	6,521.20
27 14 13 16-0471	MLF	750 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	35,513.06	8,217.71
27 14 13 16-0472	MLF	1200 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	50,287.93	11,272.16
27 14 13 16-0473		**Non-Shielded Plenum Rated, Low Voltage Cable, Pulled In Conduit** *(27 14 13 16-0276)*		
27 14 13 16-0474	MLF	1 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,387.46	581.55
27 14 13 16-0475	MLF	2 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,753.36	602.62
27 14 13 16-0476	MLF	3 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,960.82	623.68
27 14 13 16-0477	MLF	4 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	2,255.45	644.75
27 14 13 16-0478	MLF	5 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	2,558.88	687.63
27 14 13 16-0479	MLF	6 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	2,860.81	731.26
27 14 13 16-0480	MLF	8 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	3,610.97	818.54
27 14 13 16-0481	MLF	12 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	4,649.28	1,078.09
27 14 13 16-0482	MLF	24 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	6,976.13	1,592.68
27 14 13 16-0483	MLF	1 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,208.20	511.58
27 14 13 16-0484	MLF	2 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,520.64	530.39
27 14 13 16-0485	MLF	3 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,698.41	549.20

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0486	MLF	4 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,949.64	567.26
27 14 13 16-0487	MLF	5 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	2,209.48	605.63
27 14 13 16-0488	MLF	6 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	2,468.58	644.00
27 14 13 16-0489	MLF	8 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	3,109.92	719.98
27 14 13 16-0490	MLF	12 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	4,005.57	948.69
27 14 13 16-0491	MLF	24 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	6,008.97	1,401.59
27 14 13 16-0492	MLF	1 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,026.29	465.70
27 14 13 16-0493	MLF	2 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,293.22	482.25
27 14 13 16-0494	MLF	3 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,467.97	498.79
27 14 13 16-0495	MLF	4 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,817.46	516.10
27 14 13 16-0496	MLF	5 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	2,075.92	550.71
27 14 13 16-0497	MLF	6 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	2,652.78	585.31
27 14 13 16-0498	MLF	8 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	2,963.38	654.52
27 14 13 16-0499	MLF	12 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	3,655.90	862.92
27 14 13 16-0500	MLF	24 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	5,580.76	1,274.45
27 14 13 16-0501	MLF	25 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	6,018.99	1,304.54
27 14 13 16-0502	MLF	36 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	7,243.15	1,518.95
27 14 13 16-0503	MLF	40 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	7,778.85	1,625.79
27 14 13 16-0504	MLF	50 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	9,126.68	2,032.05
27 14 13 16-0505	MLF	100 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	12,581.61	2,675.28
27 14 13 16-0506	MLF	250 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	25,321.92	4,927.76
27 14 13 16-0507	MLF	500 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	41,193.43	6,521.20
27 14 13 16-0508	MLF	750 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	56,920.76	8,217.71
27 14 13 16-0509	MLF	1200 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	81,193.94	11,271.41
27 14 13 16-0510	MLF	1 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	935.97	465.70
27 14 13 16-0511	MLF	2 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,116.77	482.25
27 14 13 16-0512	MLF	3 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,238.59	498.79
27 14 13 16-0513	MLF	4 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,472.44	516.10
27 14 13 16-0514	MLF	5 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,658.64	550.71
27 14 13 16-0515	MLF	6 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	2,048.26	585.31
27 14 13 16-0516	MLF	8 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	2,288.69	654.52
27 14 13 16-0517	MLF	12 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	2,856.64	862.92
27 14 13 16-0518	MLF	24 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	4,335.15	1,274.45
27 14 13 16-0519	MLF	25 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	4,633.64	1,304.54
27 14 13 16-0520	MLF	36 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	5,545.46	1,518.95
27 14 13 16-0521	MLF	40 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	5,952.39	1,625.79
27 14 13 16-0522	MLF	50 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	7,058.26	2,032.05
27 14 13 16-0523	MLF	100 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	9,654.60	2,675.28
27 14 13 16-0524	MLF	250 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	19,127.00	4,927.76
27 14 13 16-0525	MLF	500 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	30,256.76	6,521.20
27 14 13 16-0526	MLF	750 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	41,332.81	8,217.71
27 14 13 16-0527	MLF	1200 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	58,690.32	11,272.16

27 14 13 16-0528 Sound System Cables *(27 14 13 16)*

Note: Cables shall be type CL2 or CM and as manufactured by West Penn Wire, Belden or approved equal.

27 14 13 16-0529 Sound System Cables, Communications And Control Cable, Installed Exposed *(27 14 13 16-0528)*

27 14 13 16-0530	MLF	2 Conductor, 18 AWG, Non-Plenum, Unshielded, Speaker/Communications And Control Cable, Installed Exposed	1,176.95	526.63
27 14 13 16-0531	MLF	2 Conductor, 16 AWG, Non-Plenum, Unshielded, Speaker/Communications And Control Cable, Installed Exposed	1,239.88	526.63
27 14 13 16-0532	MLF	2 Conductor, 18 AWG, Plenum, Unshielded, Speaker/Communications And Control Cable, Installed Exposed	1,193.48	526.63
27 14 13 16-0533	MLF	2 Conductor, 16 AWG, Plenum, Unshielded, Speaker/Communications And Control Cable, Installed Exposed	1,256.64	526.63
27 14 13 16-0534	MLF	2 Conductor, 18 AWG, Plenum, Shielded, Speaker/Communications And Control Cable, Installed Exposed	1,218.39	526.63
27 14 13 16-0535	MLF	2 Conductor, 16 AWG, Plenum, Shielded, Speaker/Communications And Control Cable, Installed Exposed	1,302.77	526.63
27 14 13 16-0536	MLF	2 Conductor, 22 AWG, Plenum, Shielded, Microphone/Communications And Control Cable, Installed Exposed	1,244.06	526.63
27 14 13 16-0537	MLF	4 Conductor, 22 AWG, Non-Plenum, 2 Shielded, 2 Unshielded, Microphone/Communications Cable, Installed Exposed	1,265.53	526.63
27 14 13 16-0538	MLF	2 Conductor, 20 AWG, Plenum, Shielded, Microphone/Communications And Control Cable, Installed Exposed	1,177.49	526.63
27 14 13 16-0539	MLF	4 Conductor, 20 AWG, Non-Plenum, 2 Shielded, 2 Unshielded, Microphone/Communications Cable, Installed Exposed	1,345.34	526.63

27 14 13 16-0540 Sound System Cables, Communications And Control Cable, Installed In Conduit *(27 14 13 16-0528)*

27 14 13 16-0541	MLF	2 Conductor, 18 AWG, Non-Plenum, Unshielded, Speaker/Communications And Control Cable, Installed In Conduit	650.31	263.31
27 14 13 16-0542	MLF	2 Conductor, 16 AWG, Non-Plenum, Unshielded, Speaker/Communications And Control Cable, Installed In Conduit	713.24	263.31
27 14 13 16-0543	MLF	2 Conductor, 18 AWG, Plenum, Unshielded, Speaker/Communications And Control Cable, Installed In Conduit	666.84	263.31
27 14 13 16-0544	MLF	2 Conductor, 16 AWG, Plenum, Unshielded, Speaker/Communications And Control Cable, Installed In Conduit	730.00	263.31
27 14 13 16-0545	MLF	2 Conductor, 18 AWG, Plenum, Shielded, Speaker/Communications And Control Cable, Installed In Conduit	691.75	263.31
27 14 13 16-0546	MLF	2 Conductor, 16 AWG, Plenum, Shielded, Speaker/Communications And Control Cable, Installed In Conduit	776.13	263.31
27 14 13 16-0547	MLF	2 Conductor, 22 AWG, Plenum, Shielded, Microphone/Communications And Control Cable, Installed In Conduit	717.42	263.31
27 14 13 16-0548	MLF	4 Conductor, 22 AWG, Non-Plenum, 2 Shielded, 2 Unshielded, Microphone/Communications Cable, Installed In Conduit	738.89	263.31
27 14 13 16-0549	MLF	2 Conductor, 20 AWG, Plenum, Shielded, Microphone/Communications And Control Cable, Installed In Conduit	650.85	263.31
27 14 13 16-0550	MLF	4 Conductor, 20 AWG, Non-Plenum, 2 Shielded, 2 Unshielded, Microphone/Communications Cable, Installed In Conduit	818.70	263.31

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23		**Communications Optical Fiber Cabling** *(27 14)*		
27 14 23 13		**Communications Optical Fiber Splicing And Terminations** *(27 14 23)*		
27 14 23 13-0001		Fiber Optic Cable Connectors *(27 14 23 13)*		
27 14 23 13-0002	EA	ST Connector For Multimode Fiber Optic Cable	23.49	
27 14 23 13-0003	EA	ST Connector For Singlemode Fiber Optic Cable	26.98	
27 14 23 13-0004	EA	SC Connector For Multimode Fiber Optic Cable	26.08	
27 14 23 13-0005	EA	SC Connector For Singlemode Fiber Optic Cable	30.53	
27 14 23 13-0006	EA	LC Connector For Multimode Fiber Optic Cable	35.56	
27 14 23 13-0007	EA	LC Connector For Singlemode Fiber Optic Cable	36.60	
27 14 23 13-0008	EA	MT-RJ Connector For Multimode Fiber Optic Cable	52.70	
27 14 23 13-0009		Fiber Optic Cable Fan Out Kits *(27 14 23 13)*		
27 14 23 13-0010		Buffer Tube Fan Out Kits For Fiber Optic Cable *(27 14 23 13-0009)*		
27 14 23 13-0011	EA	6-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable	189.67	
27 14 23 13-0012	EA	12-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable	193.12	
27 14 23 13-0013	EA	6-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable	232.01	
27 14 23 13-0014	EA	12-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable	265.78	
27 14 23 13-0015		Spider Fan Out Kits For Fiber Optic Cable *(27 14 23 13-0009)*		
		Note: For tight buffered or loose tube non-armored cables. Includes aramid yarn strength member, outer protective PVDF jacket and one meter fan out lengths.		
27 14 23 13-0016	EA	6-Fiber, Spider Fan Out Kit For Fiber Optic Cable	233.11	
27 14 23 13-0017	EA	12-Fiber, Spider Fan Out Kit For Fiber Optic Cable	258.47	
27 14 23 13-0018	EA	18-Fiber, Spider Fan Out Kit For Fiber Optic Cable	357.29	
27 14 23 13-0019	EA	24-Fiber, Spider Fan Out Kit For Fiber Optic Cable	464.95	
27 14 23 13-0020		Fiber Optic Cable Splice Closures *(27 14 23 13)*		
		Note: Includes mounting hardware. Excludes splicing and splice trays.		
27 14 23 13-0021	EA	Up To 144-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure	532.54	82.30
27 14 23 13-0022	EA	Up To 144-Fiber Capacity, Underground Fiber Optic Cable Splice Closure	697.13	164.58
27 14 23 13-0023	EA	Up To 144-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure	697.13	164.58
27 14 23 13-0024	EA	Up To 288-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure	865.48	82.30
27 14 23 13-0025	EA	Up To 288-Fiber Capacity, Underground Fiber Optic Cable Splice Closure	1,030.07	164.58
27 14 23 13-0026	EA	Up To 288-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure	1,030.07	164.58
27 14 23 13-0027	EA	Splice Tray For Fiber Optic Cable Splice Closure	39.13	10.28
		Note: Up to 12-fiber, mechanical or fusion splice tray. Excludes splice.		
27 14 23 13-0028		Fiber Optic Cable Splicing *(27 14 23 13)*		
27 14 23 13-0029	EA	Single Strand, Fusion Splice Of Fiber Optic Cable	24.69	
27 14 23 13-0030	EA	12-Strand Ribbon, Fusion Splice Of Fiber Optic Cable	82.30	
27 14 23 13-0031		Fiber Optic Cable Testing *(27 14 23 13)*		
		Note: Price based on testing one wavelength.		
27 14 23 13-0032		Fiber Optic Cable Testing Using An OTDR *(27 14 23 13-0031)*		
		Note: Testing using an optical time domain reflectometer.		
27 14 23 13-0033	EA	Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test	16.46	
		For >12 To 48 Strands, Deduct	*-1.23*	
		For >48 Strands, Deduct	*-1.65*	
27 14 23 13-0034	EA	Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test	24.69	
		For >12 To 48 Strands, Deduct	*-1.85*	
		For >48 Strands, Deduct	*-2.47*	
27 14 23 13-0035	EA	Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test With Documentation	41.14	
		For >12 To 48 Strands, Deduct	*-3.09*	
		For >48 Strands, Deduct	*-4.11*	
27 14 23 13-0036	EA	Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test With Documentation	61.72	
		For >12 To 48 Strands, Deduct	*-4.63*	
		For >48 Strands, Deduct	*-6.17*	
27 14 23 13-0037		Fiber Optic Cable Testing Using A Power Meter *(27 14 23 13-0031)*		
27 14 23 13-0038	EA	Test 1-Strand Of Fiber Optic Cable Using A Single Directional Power Meter Test	16.46	
		For >12 To 48 Strands, Deduct	*-1.23*	
		For >48 Strands, Deduct	*-1.65*	
27 14 23 13-0039	EA	Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional Power Meter Test	24.69	
		For >12 To 48 Strands, Deduct	*-1.85*	
		For >48 Strands, Deduct	*-2.47*	
27 14 23 13-0040		Fiber Optic Cable Light Source/Continuity Testing *(27 14 23 13-0031)*		
27 14 23 13-0041	EA	Test 1-Strand Of Fiber Optic Cable Using A Light Source/Continuity Test	16.46	
		For >12 To 48 Strands, Deduct	*-1.23*	
		For >48 Strands, Deduct	*-1.65*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 13-0042		Other Fiber Optic Cable Equipment *(27 14 23 13)*		
27 14 23 13-0043	EA	8 Port Ethernet Switch	597.32	161.90
27 14 23 13-0044	EA	18 dBi Gain, 5.25-5.85 GHZ Band, 18 Degree Beamwidth Note: Patch antenna with 1 meter 3' SMA-N cable	807.97	161.90
27 14 23 13-0045	EA	Outdoor Multi Band 5.3 Or 5.8 GHz Wireless Ethernet Bridge Note: 8VDC input	17,922.29	161.90
27 14 23 13-0046	EA	UPS, 500 VA 300 Watt UPS For CCTV, Edco PA400-120U	188.03	20.27
27 14 23 13-0047	EA	Hardened Ethernet Switch	1,922.17	81.05
27 14 23 13-0048	EA	1,440 Watt, 120 Volt AC Solar Power Station	49,700.32	1,945.14
27 14 23 13-0049	EA	2,880 Watt, 120 Volt AC Solar Power Station	61,813.22	2,593.53
27 14 23 13-0050	EA	Fiber Break Out Box For 24 Fiber	870.46	162.10
27 14 23 13-0051	EA	Fiber Optic MM Data (PTZ or SYNC) 1300 Video 850, 1 Fiber, RM	948.73	81.05
27 14 23 13-0052	EA	Fiber Optic MM Data (PTZ or SYNC) 850 Video 850, 2 Fibers	801.23	81.05
27 14 23 13-0053	EA	Fiber Optic 19" Rack, 115 Volt AC Input	1,029.77	121.57
27 14 23 13-0054	EA	Commercial Gigabit Media Converter, Ethernet RJ45 to Fiber Optic. Shelf, Wall or Chassis Mount, 100VAC - 260VAC, Power Module Included. Gigabit Ports: 1 x 1000TX & 1 x 1000LX SM 20KM, (Etherwan Systems)	762.21	
27 14 23 13-0055	EA	Media Converter Chassis (Etherwan Systems), 16 Slots for any Standard Size Media Converter, 19" Rack Mount Redundant Power Supplies, Power Option 100VAC - 260VAC.	762.21	
27 14 23 13-0056		Other Fiber Optic Cable Splicing *(27 14 23 13)*		
27 14 23 13-0057	EA	Fiber Optic Finger Splice	26.37	15.47
27 14 23 13-0058	EA	Fiber Optic Splice Box - Manholes	3,331.38	
27 14 23 16		**Communications Optical Fiber Cabling** ***(27 14 23)***		
27 14 23 16-0001		Indoor Fiber Optic Cable *(27 14 23 16)* Note: Distribution cables contain multiple tight-buffered fibers bundled under the same jacket with Kevlar strength members. Break-out cables contain multiple individually reinforced and jacketed simplex cables bundled together.		
27 14 23 16-0002		Indoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0001)* Note: Excludes conduit or innerduct.		
27 14 23 16-0003		Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0002)*		
27 14 23 16-0004		Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0003)*		
27 14 23 16-0005		Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0004)*		
27 14 23 16-0006	MLF	1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	760.34	296.25
27 14 23 16-0007	MLF	2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	840.68	296.25
27 14 23 16-0008	MLF	4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	867.51	296.25
27 14 23 16-0009	MLF	6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	963.04	296.25
		For Aluminum Armored Cable, Add	*1,173.16*	
		For Steel Armored Cable, Add	*1,246.15*	
27 14 23 16-0010	MLF	8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	990.43	296.25
27 14 23 16-0011	MLF	12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,155.99	296.25
		For Aluminum Armored Cable, Add	*1,213.20*	
		For Steel Armored Cable, Add	*1,294.36*	
27 14 23 16-0012	MLF	18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,039.67	345.63
27 14 23 16-0013	MLF	24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,924.09	345.63
		For Aluminum Armored Cable With Sub-Units, Add	*1,517.83*	
		For Steel Armored Cable, Add	*1,486.52*	
27 14 23 16-0014	MLF	36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,596.25	345.63
		For Aluminum Armored Cable With Sub-Units, Add	*1,600.08*	
		For Steel Armored Cable, Add	*1,423.75*	
27 14 23 16-0015	MLF	48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,726.62	345.63
		For Aluminum Armored Cable With Sub-Units, Add	*1,678.80*	
		For Steel Armored Cable, Add	*1,492.07*	
27 14 23 16-0016	MLF	60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,548.72	345.63
27 14 23 16-0017	MLF	72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,767.34	345.63
27 14 23 16-0018	MLF	96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,917.31	345.63
27 14 23 16-0019	MLF	120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,976.41	395.00
27 14 23 16-0020	MLF	144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,544.57	395.00
27 14 23 16-0021		50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0004)*		
27 14 23 16-0022	MLF	1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	783.47	296.25
27 14 23 16-0023	MLF	2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	879.94	296.25
27 14 23 16-0024	MLF	4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,010.09	296.25
27 14 23 16-0025	MLF	6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,221.33	296.25
		For Aluminum Armored Cable, Add	*1,154.47*	
		For Steel Armored Cable, Add	*1,224.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0026	MLF	8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,325.87	296.25
27 14 23 16-0027	MLF	12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,727.92	296.25
		For Aluminum Armored Cable, Add	*1,184.55*	
		For Steel Armored Cable, Add	*1,262.02*	
27 14 23 16-0028	MLF	18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,398.74	345.63
27 14 23 16-0029	MLF	24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,863.00	345.63
		For Aluminum Armored Cable With Sub-Units, Add	*1,660.25*	
		For Steel Armored Cable, Add	*1,630.38*	
27 14 23 16-0030	MLF	36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,948.54	345.63
27 14 23 16-0031	MLF	48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,913.92	345.63
		For Aluminum Armored Cable With Sub-Units, Add	*1,786.09*	
27 14 23 16-0032	MLF	60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,848.69	345.63
27 14 23 16-0033	MLF	72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,842.20	345.63
27 14 23 16-0034	MLF	96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,066.61	345.63
		For Aluminum Armored Cable With Sub-Units, Add	*1,319.14*	
27 14 23 16-0035	MLF	120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	14,771.77	395.00
27 14 23 16-0036	MLF	144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	19,162.62	395.00

27 14 23 16-0037 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0004)*

27 14 23 16-0038	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	797.96	296.25
27 14 23 16-0039	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	899.24	296.25
27 14 23 16-0040	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,035.91	296.25
27 14 23 16-0041	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,257.71	296.25
27 14 23 16-0042	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,367.47	296.25
27 14 23 16-0043	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,789.63	296.25
27 14 23 16-0044	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,539.87	345.63
27 14 23 16-0045	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,027.34	345.63
27 14 23 16-0046	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,167.16	345.63
27 14 23 16-0047	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,180.81	345.63
27 14 23 16-0048	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,162.32	345.63
27 14 23 16-0049	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,205.51	345.63
27 14 23 16-0050	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,541.13	345.63
27 14 23 16-0051	MLF	120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	15,477.44	395.00
27 14 23 16-0052	MLF	144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	20,087.83	395.00

27 14 23 16-0053 Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0003)*

27 14 23 16-0054 Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0053)*

27 14 23 16-0055	MLF	2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,504.97	296.25
27 14 23 16-0056	MLF	4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,804.61	296.25
27 14 23 16-0057	MLF	6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,463.79	296.25
27 14 23 16-0058	MLF	8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,778.37	296.25
27 14 23 16-0059	MLF	12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,921.53	296.25
27 14 23 16-0060	MLF	18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,182.78	345.63
27 14 23 16-0061	MLF	24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,563.56	345.63
27 14 23 16-0062	MLF	36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,302.61	345.63
27 14 23 16-0063	MLF	48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,437.45	345.63

27 14 23 16-0064 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0053)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0065	MLF	2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,795.49	296.25
27 14 23 16-0066	MLF	4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,939.96	296.25
27 14 23 16-0067	MLF	6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,531.27	296.25
27 14 23 16-0068	MLF	8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,107.35	296.25
27 14 23 16-0069	MLF	12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,810.49	296.25
27 14 23 16-0070	MLF	18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,966.90	345.63
27 14 23 16-0071	MLF	24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,410.00	345.63
27 14 23 16-0072	MLF	36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,671.38	345.63
27 14 23 16-0073	MLF	48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,598.61	345.63

27 14 23 16-0074 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0053)*

27 14 23 16-0075	MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,860.58	296.25
27 14 23 16-0076	MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,012.27	296.25
27 14 23 16-0077	MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,633.15	296.25
27 14 23 16-0078	MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,238.03	296.25
27 14 23 16-0079	MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,976.33	296.25
27 14 23 16-0080	MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,186.44	345.63
27 14 23 16-0081	MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,701.70	345.63
27 14 23 16-0082	MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,126.14	345.63
27 14 23 16-0083	MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	13,199.74	345.63

27 14 23 16-0084 Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0002)*

27 14 23 16-0085 Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0084)*

27 14 23 16-0086 Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0085)*

27 14 23 16-0087	MLF	1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	702.84	296.25
27 14 23 16-0088	MLF	2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	706.00	296.25
27 14 23 16-0089	MLF	4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	871.63	296.25
27 14 23 16-0090	MLF	6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	891.02	296.25
		For Aluminum Armored Cable, Add	*897.57*	
		For Steel Armored Cable, Add	*1,501.91*	
27 14 23 16-0091	MLF	8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	988.59	296.25
27 14 23 16-0092	MLF	12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,006.84	296.25
		For Aluminum Armored Cable, Add	*962.09*	
		For Steel Armored Cable, Add	*1,566.37*	
27 14 23 16-0093	MLF	18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,248.75	345.63
27 14 23 16-0094	MLF	24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,876.02	345.63
		For Aluminum Armored Cable With Sub-Units, Add	*625.78*	
		For Steel Armored Cable, Add	*715.02*	
27 14 23 16-0095	MLF	36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,536.31	345.63
27 14 23 16-0096	MLF	48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,653.27	345.63
		For Aluminum Armored Cable With Sub-Units, Add	*120.01*	
		For Steel Armored Cable, Add	*260.61*	
27 14 23 16-0097	MLF	60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,605.03	345.63
27 14 23 16-0098	MLF	72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,621.22	345.63
27 14 23 16-0099	MLF	96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,733.06	345.63

27 14 23 16-0100 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0085)*

27 14 23 16-0101	MLF	1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	781.92	296.25
27 14 23 16-0102	MLF	2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	772.23	296.25
27 14 23 16-0103	MLF	4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,013.47	296.25
27 14 23 16-0104	MLF	6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,106.74	296.25
		For Aluminum Armored Cable, Add	*1,011.09*	
		For Steel Armored Cable, Add	*1,615.40*	
27 14 23 16-0105	MLF	8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,324.35	296.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0106	MLF	12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,607.23	296.25
		For Aluminum Armored Cable, Add	*1,020.17*	
		For Steel Armored Cable, Add	*1,624.44*	
27 14 23 16-0107	MLF	18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,026.00	345.63
27 14 23 16-0108	MLF	24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,339.63	345.63
		For Aluminum Armored Cable With Sub-Units, Add	*286.22*	
		For Steel Armored Cable, Add	*568.31*	
27 14 23 16-0109	MLF	36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,493.50	345.63
27 14 23 16-0110	MLF	48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,266.87	345.63
		For Aluminum Armored Cable With Sub-Units, Add	*140.24*	
27 14 23 16-0111	MLF	60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,262.00	345.63
27 14 23 16-0112	MLF	72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,808.33	345.63
27 14 23 16-0113	MLF	96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,970.92	345.63
		For Aluminum Armored Cable With Sub-Units, Add	*1,183.24*	

27 14 23 16-0114 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0085)*

27 14 23 16-0115	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	796.32	296.25
27 14 23 16-0116	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	786.16	296.25
27 14 23 16-0117	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,039.46	296.25
27 14 23 16-0118	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,137.39	296.25
27 14 23 16-0119	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,365.88	296.25
27 14 23 16-0120	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,662.90	296.25
27 14 23 16-0121	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,198.50	345.63
27 14 23 16-0122	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,527.81	345.63
27 14 23 16-0123	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,789.37	345.63
27 14 23 16-0124	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,601.41	345.63
27 14 23 16-0125	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,646.30	345.63
27 14 23 16-0126	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,269.94	345.63
27 14 23 16-0127	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	13,590.67	345.63

27 14 23 16-0128 Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0084)*

27 14 23 16-0129 Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0128)*

27 14 23 16-0130	MLF	2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,421.32	296.25
27 14 23 16-0131	MLF	4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,785.88	296.25
27 14 23 16-0132	MLF	6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,662.28	296.25
27 14 23 16-0133	MLF	8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,521.18	296.25
27 14 23 16-0134	MLF	12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,891.97	296.25
27 14 23 16-0135	MLF	18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,426.21	345.63
27 14 23 16-0136	MLF	24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,201.01	345.63
27 14 23 16-0137	MLF	36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	14,783.27	345.63
27 14 23 16-0138	MLF	48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	18,473.65	345.63

27 14 23 16-0139 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0128)*

27 14 23 16-0140	MLF	2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,069.54	296.25
27 14 23 16-0141	MLF	4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,845.99	296.25
27 14 23 16-0142	MLF	6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,303.88	296.25
27 14 23 16-0143	MLF	8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,943.70	296.25
27 14 23 16-0144	MLF	12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,165.02	296.25

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0145		MLF	18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,848.69	345.63
27 14 23 16-0146		MLF	24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,232.24	345.63
27 14 23 16-0147		MLF	36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,044.12	345.63
27 14 23 16-0148		MLF	48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	16,257.65	345.63
27 14 23 16-0149			62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0128)*		
27 14 23 16-0150		MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,148.33	296.25
27 14 23 16-0151		MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,963.60	296.25
27 14 23 16-0152		MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,444.39	296.25
27 14 23 16-0153		MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,116.20	296.25
27 14 23 16-0154		MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,398.58	296.25
27 14 23 16-0155		MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,162.32	345.63
27 14 23 16-0156		MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,615.05	345.63
27 14 23 16-0157		MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,617.52	345.63
27 14 23 16-0158		MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	17,041.73	345.63
27 14 23 16-0159			Indoor Fiber Optic Cable, Installed Exposed *(27 14 23 16-0001)* Note: For non-conduit installations such as cable trays, surface runways, etc.		
27 14 23 16-0160			Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 14 23 16-0159)*		
27 14 23 16-0161			Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 14 23 16-0160)*		
27 14 23 16-0162			Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 14 23 16-0161)*		
27 14 23 16-0163		MLF	1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	924.92	395.00
27 14 23 16-0164		MLF	2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,005.26	395.00
27 14 23 16-0165		MLF	4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,032.09	395.00
27 14 23 16-0166		MLF	6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,127.62	395.00
			For Aluminum Armored Cable, Add	*1,173.16*	
			For Steel Armored Cable, Add	*1,246.15*	
27 14 23 16-0167		MLF	8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,155.01	395.00
27 14 23 16-0168		MLF	12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,320.57	395.00
			For Aluminum Armored Cable, Add	*1,213.20*	
			For Steel Armored Cable, Add	*1,294.36*	
27 14 23 16-0169		MLF	18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,204.25	444.38
27 14 23 16-0170		MLF	24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,088.67	444.38
			For Aluminum Armored Cable With Sub-Units, Add	*1,517.83*	
			For Steel Armored Cable, Add	*1,486.52*	
27 14 23 16-0171		MLF	36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,760.83	444.38
			For Aluminum Armored Cable With Sub-Units, Add	*1,600.08*	
			For Steel Armored Cable, Add	*1,423.75*	
27 14 23 16-0172		MLF	48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,891.20	444.38
			For Aluminum Armored Cable With Sub-Units, Add	*1,678.80*	
			For Steel Armored Cable, Add	*1,492.07*	
27 14 23 16-0173		MLF	60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,713.30	444.38
27 14 23 16-0174		MLF	72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,931.92	444.38
27 14 23 16-0175		MLF	96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,081.89	444.38
27 14 23 16-0176		MLF	120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,141.00	493.75
27 14 23 16-0177		MLF	144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,709.16	493.75
27 14 23 16-0178			50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 14 23 16-0161)*		
27 14 23 16-0179		MLF	1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	948.05	395.00
27 14 23 16-0180		MLF	2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,044.52	395.00
27 14 23 16-0181		MLF	4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,174.67	395.00
27 14 23 16-0182		MLF	6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,385.91	395.00
			For Aluminum Armored Cable, Add	*1,154.47*	
			For Steel Armored Cable, Add	*1,224.14*	
27 14 23 16-0183		MLF	8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,490.45	395.00
27 14 23 16-0184		MLF	12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,892.50	395.00
			For Aluminum Armored Cable, Add	*1,184.55*	
			For Steel Armored Cable, Add	*1,262.02*	
27 14 23 16-0185		MLF	18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,563.32	444.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0186	MLF	24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,027.58	444.38
		For Aluminum Armored Cable With Sub-Units, Add	*1,660.25*	
		For Steel Armored Cable, Add	*1,630.38*	
27 14 23 16-0187	MLF	36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,113.12	444.38
27 14 23 16-0188	MLF	48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,078.50	444.38
		For Aluminum Armored Cable With Sub-Units, Add	*1,786.09*	
27 14 23 16-0189	MLF	60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,013.27	444.38
27 14 23 16-0190	MLF	72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,006.78	444.38
27 14 23 16-0191	MLF	96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,231.19	444.38
		For Aluminum Armored Cable With Sub-Units, Add	*1,319.14*	
27 14 23 16-0192	MLF	120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	14,936.36	493.75
27 14 23 16-0193	MLF	144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	19,327.21	493.75

27 14 23 16-0194 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 14 23 16-0161)*

27 14 23 16-0195	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	962.54	395.00
27 14 23 16-0196	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,063.82	395.00
27 14 23 16-0197	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,200.49	395.00
27 14 23 16-0198	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,422.29	395.00
27 14 23 16-0199	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,532.05	395.00
27 14 23 16-0200	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,954.21	395.00
27 14 23 16-0201	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,704.45	444.38
27 14 23 16-0202	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,191.92	444.38
27 14 23 16-0203	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,331.74	444.38
27 14 23 16-0204	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,345.39	444.38
27 14 23 16-0205	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,326.90	444.38
27 14 23 16-0206	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,370.09	444.38
27 14 23 16-0207	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,705.71	444.38
27 14 23 16-0208	MLF	120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	15,642.03	493.75
27 14 23 16-0209	MLF	144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	20,252.42	493.75

27 14 23 16-0210 Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 14 23 16-0160)*

27 14 23 16-0211 Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 14 23 16-0210)*

27 14 23 16-0212	MLF	2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,669.55	395.00
27 14 23 16-0213	MLF	4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,969.19	395.00
27 14 23 16-0214	MLF	6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,628.37	395.00
27 14 23 16-0215	MLF	8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,942.95	395.00
27 14 23 16-0216	MLF	12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,086.11	395.00
27 14 23 16-0217	MLF	18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,347.36	444.38
27 14 23 16-0218	MLF	24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,728.14	444.38
27 14 23 16-0219	MLF	36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,467.19	444.38
27 14 23 16-0220	MLF	48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,602.03	444.38

27 14 23 16-0221 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 14 23 16-0210)*

27 14 23 16-0222	MLF	2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,960.07	395.00
27 14 23 16-0223	MLF	4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,104.54	395.00
27 14 23 16-0224	MLF	6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,695.85	395.00
27 14 23 16-0225	MLF	8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,271.93	395.00
27 14 23 16-0226	MLF	12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,975.07	395.00
27 14 23 16-0227	MLF	18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,131.48	444.38
27 14 23 16-0228	MLF	24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,574.58	444.38
27 14 23 16-0229	MLF	36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,835.96	444.38
27 14 23 16-0230	MLF	48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	12,763.19	444.38

27 14 23 16-0231 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 14 23 16-0210)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0232	MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,025.16	395.00
27 14 23 16-0233	MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,176.85	395.00
27 14 23 16-0234	MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,797.73	395.00
27 14 23 16-0235	MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,402.61	395.00
27 14 23 16-0236	MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,140.91	395.00
27 14 23 16-0237	MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,351.02	444.38
27 14 23 16-0238	MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,866.28	444.38
27 14 23 16-0239	MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,290.72	444.38
27 14 23 16-0240	MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	13,364.32	444.38

27 14 23 16-0241 Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 14 23 16-0159)*

27 14 23 16-0242 Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 14 23 16-0241)*

27 14 23 16-0243 Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 14 23 16-0242)*

27 14 23 16-0244	MLF	1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	867.42	395.00
27 14 23 16-0245	MLF	2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	870.58	395.00
27 14 23 16-0246	MLF	4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,036.21	395.00
27 14 23 16-0247	MLF	6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,055.60	395.00
		For Aluminum Armored Cable, Add	*897.57*	
		For Steel Armored Cable, Add	*1,501.91*	
27 14 23 16-0248	MLF	8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,153.17	395.00
27 14 23 16-0249	MLF	12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,171.42	395.00
		For Aluminum Armored Cable, Add	*962.09*	
		For Steel Armored Cable, Add	*1,566.37*	
27 14 23 16-0250	MLF	18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,413.33	444.38
27 14 23 16-0251	MLF	24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,040.60	444.38
		For Aluminum Armored Cable With Sub-Units, Add	*625.78*	
		For Steel Armored Cable, Add	*715.02*	
27 14 23 16-0252	MLF	36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,700.89	444.38
27 14 23 16-0253	MLF	48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,817.85	444.38
		For Aluminum Armored Cable With Sub-Units, Add	*120.01*	
		For Steel Armored Cable, Add	*260.61*	
27 14 23 16-0254	MLF	60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,769.61	444.38
27 14 23 16-0255	MLF	72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,785.80	444.38
27 14 23 16-0256	MLF	96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,897.64	444.38

27 14 23 16-0257 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 14 23 16-0242)*

27 14 23 16-0258	MLF	1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	946.50	395.00
27 14 23 16-0259	MLF	2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	936.81	395.00
27 14 23 16-0260	MLF	4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,178.05	395.00
27 14 23 16-0261	MLF	6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,271.32	395.00
		For Aluminum Armored Cable, Add	*1,011.09*	
		For Steel Armored Cable, Add	*1,615.40*	
27 14 23 16-0262	MLF	8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,488.93	395.00
27 14 23 16-0263	MLF	12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,771.81	395.00
		For Aluminum Armored Cable, Add	*1,020.17*	
		For Steel Armored Cable, Add	*1,624.44*	
27 14 23 16-0264	MLF	18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,190.58	444.38
27 14 23 16-0265	MLF	24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,504.21	444.38
		For Aluminum Armored Cable With Sub-Units, Add	*286.22*	
		For Steel Armored Cable, Add	*568.31*	
27 14 23 16-0266	MLF	36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,658.08	444.38
27 14 23 16-0267	MLF	48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,431.45	444.38
		For Aluminum Armored Cable With Sub-Units, Add	*140.24*	
27 14 23 16-0268	MLF	60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,426.58	444.38
27 14 23 16-0269	MLF	72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,972.91	444.38
27 14 23 16-0270	MLF	96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	13,135.50	444.38
		For Aluminum Armored Cable With Sub-Units, Add	*1,183.24*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0271		**62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed** *(27 14 23 16-0242)*		
27 14 23 16-0272	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	960.90	395.00
27 14 23 16-0273	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	950.74	395.00
27 14 23 16-0274	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,204.04	395.00
27 14 23 16-0275	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,301.97	395.00
27 14 23 16-0276	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,530.46	395.00
27 14 23 16-0277	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,827.48	395.00
27 14 23 16-0278	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,363.08	444.38
27 14 23 16-0279	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,692.39	444.38
27 14 23 16-0280	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,953.95	444.38
27 14 23 16-0281	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,765.99	444.38
27 14 23 16-0282	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,810.88	444.38
27 14 23 16-0283	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,434.52	444.38
27 14 23 16-0284	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	13,755.25	444.38
27 14 23 16-0285		**Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed** *(27 14 23 16-0241)*		
27 14 23 16-0286		**Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed** *(27 14 23 16-0285)*		
27 14 23 16-0287	MLF	2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,585.90	395.00
27 14 23 16-0288	MLF	4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,950.46	395.00
27 14 23 16-0289	MLF	6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,826.86	395.00
27 14 23 16-0290	MLF	8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,685.76	395.00
27 14 23 16-0291	MLF	12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,056.55	395.00
27 14 23 16-0292	MLF	18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,590.79	444.38
27 14 23 16-0293	MLF	24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	12,365.59	444.38
27 14 23 16-0294	MLF	36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	14,947.85	444.38
27 14 23 16-0295	MLF	48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	18,638.23	444.38
27 14 23 16-0296		**50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed** *(27 14 23 16-0285)*		
27 14 23 16-0297	MLF	2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,234.12	395.00
27 14 23 16-0298	MLF	4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,010.57	395.00
27 14 23 16-0299	MLF	6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,468.46	395.00
27 14 23 16-0300	MLF	8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,108.28	395.00
27 14 23 16-0301	MLF	12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,329.60	395.00
27 14 23 16-0302	MLF	18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,013.27	444.38
27 14 23 16-0303	MLF	24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,396.82	444.38
27 14 23 16-0304	MLF	36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	12,208.70	444.38
27 14 23 16-0305	MLF	48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	16,422.23	444.38
27 14 23 16-0306		**62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed** *(27 14 23 16-0285)*		
27 14 23 16-0307	MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,312.91	395.00
27 14 23 16-0308	MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,128.18	395.00
27 14 23 16-0309	MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,608.97	395.00
27 14 23 16-0310	MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,280.78	395.00
27 14 23 16-0311	MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,563.16	395.00
27 14 23 16-0312	MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,326.90	444.38

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0313	MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,779.63	444.38
27 14 23 16-0314	MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	12,782.10	444.38
27 14 23 16-0315	MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	17,206.31	444.38
27 14 23 16-0316		**Hybrid, Indoor Fiber Optic Cable, Installed In Conduit** *(27 14 23 16-0001)* Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.		
27 14 23 16-0317		**Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit** *(27 14 23 16-0316)*		
27 14 23 16-0318	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	1,146.69	296.25
27 14 23 16-0319	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	1,753.31	296.25
27 14 23 16-0320	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	3,020.65	345.63
27 14 23 16-0321	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	3,732.62	345.63
27 14 23 16-0322		**Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit** *(27 14 23 16-0316)*		
27 14 23 16-0323	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	1,361.83	296.25
27 14 23 16-0324	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	2,064.14	296.25
27 14 23 16-0325	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	3,441.97	345.63
27 14 23 16-0326	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	10,045.95	345.63
27 14 23 16-0327		**Hybrid, Indoor Fiber Optic Cable, Installed Exposed** *(27 14 23 16-0001)* Note: Singlemode and multimode combination cable. For non-conduit installations such as cable trays, surface runways, etc.		
27 14 23 16-0328		**Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed** *(27 14 23 16-0327)*		
27 14 23 16-0329	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	1,311.27	395.00
27 14 23 16-0330	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	1,917.89	395.00
27 14 23 16-0331	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	3,185.23	444.38
27 14 23 16-0332	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	3,897.20	444.38
27 14 23 16-0333		**Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed** *(27 14 23 16-0327)*		
27 14 23 16-0334	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	1,526.41	395.00
27 14 23 16-0335	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	2,228.72	395.00
27 14 23 16-0336	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	3,606.55	444.38
27 14 23 16-0337	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	10,210.53	444.38
27 14 23 16-0338		**Outdoor Fiber Optic Cable** *(27 14 23 16)*		
27 14 23 16-0339		**Outdoor Fiber Optic Cable, Installed In Conduit** *(27 14 23 16-0338)* Note: Excludes conduit or innerduct.		
27 14 23 16-0340		**Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit** *(27 14 23 16-0339)*		
27 14 23 16-0341		**Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit** *(27 14 23 16-0340)*		
27 14 23 16-0342	MLF	2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,208.44	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*118.66*	
27 14 23 16-0343	MLF	4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,220.99	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*118.84*	
27 14 23 16-0344	MLF	6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,233.71	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*118.82*	
27 14 23 16-0345	MLF	8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,246.26	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*119.00*	
27 14 23 16-0346	MLF	12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,271.51	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*119.18*	
27 14 23 16-0347	MLF	18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,331.46	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*115.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0348	MLF	24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,369.10	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*115.52*	
27 14 23 16-0349	MLF	36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,458.65	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*122.32*	
27 14 23 16-0350	MLF	48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,552.92	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*123.54*	
27 14 23 16-0351	MLF	60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,645.78	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*124.76*	
27 14 23 16-0352	MLF	72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,768.28	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*150.02*	
27 14 23 16-0353	MLF	96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,010.12	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*161.00*	
27 14 23 16-0354	MLF	120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,253.18	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*190.63*	
27 14 23 16-0355	MLF	144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,504.97	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*205.60*	

27 14 23 16-0356 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0340)*

27 14 23 16-0357	MLF	2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,327.92	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*119.41*	
27 14 23 16-0358	MLF	4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,457.96	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*122.14*	
27 14 23 16-0359	MLF	6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,591.07	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*122.49*	
27 14 23 16-0360	MLF	8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,722.80	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*123.02*	
27 14 23 16-0361	MLF	12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,986.25	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*125.11*	
27 14 23 16-0362	MLF	18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,402.68	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*126.85*	
27 14 23 16-0363	MLF	24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,797.86	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*128.24*	
27 14 23 16-0364	MLF	36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,601.45	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*151.59*	
27 14 23 16-0365	MLF	48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,409.93	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*162.74*	
27 14 23 16-0366	MLF	60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,217.18	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*173.89*	
27 14 23 16-0367	MLF	72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	6,065.73	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*208.91*	
27 14 23 16-0368	MLF	96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	7,776.94	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*239.93*	
27 14 23 16-0369	MLF	120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	9,507.85	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*289.75*	
27 14 23 16-0370	MLF	144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	11,273.07	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*292.20*	

27 14 23 16-0371 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0340)*

27 14 23 16-0372	MLF	2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,264.08	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*99.94*	
27 14 23 16-0373	MLF	4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,360.17	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*107.18*	
27 14 23 16-0374	MLF	6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,456.11	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*114.24*	
27 14 23 16-0375	MLF	8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,574.63	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*130.05*	
27 14 23 16-0376	MLF	12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,744.37	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*135.61*	
27 14 23 16-0377	MLF	18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,044.46	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*144.53*	
27 14 23 16-0378	MLF	24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,328.73	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*166.21*	
27 14 23 16-0379	MLF	36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,872.78	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*184.70*	
27 14 23 16-0380	MLF	48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,509.12	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*212.37*	
27 14 23 16-0381	MLF	60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,096.87	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*228.52*	
27 14 23 16-0382	MLF	72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,717.21	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*258.65*	
27 14 23 16-0383	MLF	96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,971.86	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*290.82*	
27 14 23 16-0384	MLF	120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	7,246.66	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*330.05*	
27 14 23 16-0385	MLF	144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	8,541.14	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*303.17*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0386		Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0339)*		
27 14 23 16-0387		Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0386)*		
27 14 23 16-0388	MLF	2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,292.42	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*148.11*	
27 14 23 16-0389	MLF	4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,305.15	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*148.11*	
27 14 23 16-0390	MLF	6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,317.51	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*148.81*	
27 14 23 16-0391	MLF	8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,330.24	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*148.80*	
27 14 23 16-0392	MLF	12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,355.15	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*149.85*	
27 14 23 16-0393	MLF	18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,410.21	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*151.24*	
27 14 23 16-0394	MLF	24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,447.85	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*152.11*	
27 14 23 16-0395	MLF	36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,541.76	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*151.42*	
27 14 23 16-0396	MLF	48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,636.03	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*156.82*	
27 14 23 16-0397	MLF	60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,728.89	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*158.91*	
27 14 23 16-0398	MLF	72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,858.71	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*169.02*	
27 14 23 16-0399	MLF	96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,107.70	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*192.53*	
27 14 23 16-0400	MLF	120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,389.27	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*200.38*	
27 14 23 16-0401	MLF	144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,619.09	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*221.47*	
27 14 23 16-0402		50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0386)*		
27 14 23 16-0403	MLF	2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,410.91	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*151.41*	
27 14 23 16-0404	MLF	4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,541.42	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*155.59*	
27 14 23 16-0405	MLF	6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,548.79	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*157.99*	
27 14 23 16-0406	MLF	8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,803.12	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*163.09*	
27 14 23 16-0407	MLF	12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,064.66	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*170.92*	
27 14 23 16-0408	MLF	18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,474.29	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*183.12*	
27 14 23 16-0409	MLF	24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,866.69	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*194.62*	
27 14 23 16-0410	MLF	36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,670.28	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*236.62*	
27 14 23 16-0411	MLF	48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,473.70	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*242.02*	
27 14 23 16-0412	MLF	60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,279.73	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*261.72*	
27 14 23 16-0413	MLF	72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	6,123.40	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*288.90*	
27 14 23 16-0414	MLF	96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	7,831.31	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*285.06*	
27 14 23 16-0415	MLF	120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	9,650.03	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*293.59*	
27 14 23 16-0416	MLF	144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	11,331.96	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*333.15*	
27 14 23 16-0417		62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 14 23 16-0386)*		
27 14 23 16-0418	MLF	2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,328.96	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*125.45*	
27 14 23 16-0419	MLF	4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,423.05	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*135.61*	
27 14 23 16-0420	MLF	6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,516.99	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*145.76*	
27 14 23 16-0421	MLF	8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,611.08	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*155.90*	
27 14 23 16-0422	MLF	12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,854.81	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*167.69*	
27 14 23 16-0423	MLF	18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,093.81	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*196.50*	
27 14 23 16-0424	MLF	24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,386.66	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*213.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0425	MLF	36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,953.51	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*263.71*	
27 14 23 16-0426	MLF	48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,530.96	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*302.14*	
27 14 23 16-0427	MLF	60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,110.40	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*336.45*	
27 14 23 16-0428	MLF	72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,719.67	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*375.20*	
27 14 23 16-0429	MLF	96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,956.03	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*442.41*	
27 14 23 16-0430	MLF	120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	10,083.15	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*457.34*	
27 14 23 16-0431	MLF	144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	8,487.03	592.51
		For Corrugated Coated Steel Tape Armored Cable, Add	*472.12*	

27 14 23 16-0432 Outdoor Fiber Optic Cable, Buried In Trench *(27 14 23 16-0338)*

Note: Excludes trenching.

27 14 23 16-0433 Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 14 23 16-0432)*

27 14 23 16-0434 Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 14 23 16-0433)*

27 14 23 16-0435	MLF	2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,126.14	
		For Corrugated Coated Steel Tape Armored Cable, Add	*118.66*	
27 14 23 16-0436	MLF	4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,138.69	
		For Corrugated Coated Steel Tape Armored Cable, Add	*118.84*	
27 14 23 16-0437	MLF	6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,151.41	
		For Corrugated Coated Steel Tape Armored Cable, Add	*118.82*	
27 14 23 16-0438	MLF	8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,163.96	
		For Corrugated Coated Steel Tape Armored Cable, Add	*119.00*	
27 14 23 16-0439	MLF	12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,189.21	
		For Corrugated Coated Steel Tape Armored Cable, Add	*119.18*	
27 14 23 16-0440	MLF	18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,249.16	
		For Corrugated Coated Steel Tape Armored Cable, Add	*115.00*	
27 14 23 16-0441	MLF	24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,286.80	
		For Corrugated Coated Steel Tape Armored Cable, Add	*115.52*	
27 14 23 16-0442	MLF	36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,376.35	
		For Corrugated Coated Steel Tape Armored Cable, Add	*122.32*	
27 14 23 16-0443	MLF	48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,470.62	
		For Corrugated Coated Steel Tape Armored Cable, Add	*123.54*	
27 14 23 16-0444	MLF	60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,563.48	
		For Corrugated Coated Steel Tape Armored Cable, Add	*124.76*	
27 14 23 16-0445	MLF	72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,685.98	
		For Corrugated Coated Steel Tape Armored Cable, Add	*150.02*	
27 14 23 16-0446	MLF	96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,927.82	
		For Corrugated Coated Steel Tape Armored Cable, Add	*161.00*	
27 14 23 16-0447	MLF	120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,170.88	
		For Corrugated Coated Steel Tape Armored Cable, Add	*190.63*	
27 14 23 16-0448	MLF	144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,422.67	
		For Corrugated Coated Steel Tape Armored Cable, Add	*205.60*	

27 14 23 16-0449 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 14 23 16-0433)*

27 14 23 16-0450	MLF	2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,245.62	
		For Corrugated Coated Steel Tape Armored Cable, Add	*119.41*	
27 14 23 16-0451	MLF	4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,375.66	
		For Corrugated Coated Steel Tape Armored Cable, Add	*122.14*	
27 14 23 16-0452	MLF	6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,508.77	
		For Corrugated Coated Steel Tape Armored Cable, Add	*122.49*	
27 14 23 16-0453	MLF	8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,640.50	
		For Corrugated Coated Steel Tape Armored Cable, Add	*123.02*	
27 14 23 16-0454	MLF	12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,903.95	
		For Corrugated Coated Steel Tape Armored Cable, Add	*125.11*	
27 14 23 16-0455	MLF	18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,320.38	
		For Corrugated Coated Steel Tape Armored Cable, Add	*126.85*	
27 14 23 16-0456	MLF	24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,715.56	
		For Corrugated Coated Steel Tape Armored Cable, Add	*128.24*	
27 14 23 16-0457	MLF	36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,519.15	
		For Corrugated Coated Steel Tape Armored Cable, Add	*151.59*	
27 14 23 16-0458	MLF	48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,327.63	
		For Corrugated Coated Steel Tape Armored Cable, Add	*162.74*	
27 14 23 16-0459	MLF	60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,134.88	
		For Corrugated Coated Steel Tape Armored Cable, Add	*173.89*	
27 14 23 16-0460	MLF	72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,983.43	
		For Corrugated Coated Steel Tape Armored Cable, Add	*208.91*	
27 14 23 16-0461	MLF	96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,694.64	
		For Corrugated Coated Steel Tape Armored Cable, Add	*239.93*	
27 14 23 16-0462	MLF	120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	9,425.55	
		For Corrugated Coated Steel Tape Armored Cable, Add	*289.75*	
27 14 23 16-0463	MLF	144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	11,190.77	
		For Corrugated Coated Steel Tape Armored Cable, Add	*292.20*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

27 14 23 16-0464 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 14 23 16-0433)*

27 14 23 16-0465	MLF	2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,181.78	
		For Corrugated Coated Steel Tape Armored Cable, Add	*99.94*	
27 14 23 16-0466	MLF	4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,277.87	
		For Corrugated Coated Steel Tape Armored Cable, Add	*107.18*	
27 14 23 16-0467	MLF	6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,373.81	
		For Corrugated Coated Steel Tape Armored Cable, Add	*114.24*	
27 14 23 16-0468	MLF	8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,492.33	
		For Corrugated Coated Steel Tape Armored Cable, Add	*130.05*	
27 14 23 16-0469	MLF	12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,662.07	
		For Corrugated Coated Steel Tape Armored Cable, Add	*135.61*	
27 14 23 16-0470	MLF	18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,962.16	
		For Corrugated Coated Steel Tape Armored Cable, Add	*144.53*	
27 14 23 16-0471	MLF	24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,246.43	
		For Corrugated Coated Steel Tape Armored Cable, Add	*166.21*	
27 14 23 16-0472	MLF	36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,790.48	
		For Corrugated Coated Steel Tape Armored Cable, Add	*184.70*	
27 14 23 16-0473	MLF	48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,426.82	
		For Corrugated Coated Steel Tape Armored Cable, Add	*212.37*	
27 14 23 16-0474	MLF	60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,014.57	
		For Corrugated Coated Steel Tape Armored Cable, Add	*228.52*	
27 14 23 16-0475	MLF	72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,634.91	
		For Corrugated Coated Steel Tape Armored Cable, Add	*258.65*	
27 14 23 16-0476	MLF	96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,889.56	
		For Corrugated Coated Steel Tape Armored Cable, Add	*290.82*	
27 14 23 16-0477	MLF	120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,164.36	
		For Corrugated Coated Steel Tape Armored Cable, Add	*330.05*	
27 14 23 16-0478	MLF	144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	8,458.84	
		For Corrugated Coated Steel Tape Armored Cable, Add	*303.17*	

27 14 23 16-0479 Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 14 23 16-0432)*

27 14 23 16-0480 Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 14 23 16-0479)*

27 14 23 16-0481	MLF	2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,210.12	
		For Corrugated Coated Steel Tape Armored Cable, Add	*148.11*	
27 14 23 16-0482	MLF	4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,222.85	
		For Corrugated Coated Steel Tape Armored Cable, Add	*148.11*	
27 14 23 16-0483	MLF	6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,235.21	
		For Corrugated Coated Steel Tape Armored Cable, Add	*148.81*	
27 14 23 16-0484	MLF	8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,247.94	
		For Corrugated Coated Steel Tape Armored Cable, Add	*148.80*	
27 14 23 16-0485	MLF	12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,272.85	
		For Corrugated Coated Steel Tape Armored Cable, Add	*149.85*	
27 14 23 16-0486	MLF	18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,327.91	
		For Corrugated Coated Steel Tape Armored Cable, Add	*151.24*	
27 14 23 16-0487	MLF	24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,365.55	
		For Corrugated Coated Steel Tape Armored Cable, Add	*152.11*	
27 14 23 16-0488	MLF	36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,459.46	
		For Corrugated Coated Steel Tape Armored Cable, Add	*151.42*	
27 14 23 16-0489	MLF	48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,553.73	
		For Corrugated Coated Steel Tape Armored Cable, Add	*156.82*	
27 14 23 16-0490	MLF	60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,646.59	
		For Corrugated Coated Steel Tape Armored Cable, Add	*158.91*	
27 14 23 16-0491	MLF	72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,776.41	
		For Corrugated Coated Steel Tape Armored Cable, Add	*169.02*	
27 14 23 16-0492	MLF	96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,025.40	
		For Corrugated Coated Steel Tape Armored Cable, Add	*192.53*	
27 14 23 16-0493	MLF	120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,306.97	
		For Corrugated Coated Steel Tape Armored Cable, Add	*200.38*	
27 14 23 16-0494	MLF	144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,536.79	
		For Corrugated Coated Steel Tape Armored Cable, Add	*221.47*	

27 14 23 16-0495 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 14 23 16-0479)*

27 14 23 16-0496	MLF	2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,328.61	
		For Corrugated Coated Steel Tape Armored Cable, Add	*151.41*	
27 14 23 16-0497	MLF	4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,459.12	
		For Corrugated Coated Steel Tape Armored Cable, Add	*155.59*	
27 14 23 16-0498	MLF	6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,466.49	
		For Corrugated Coated Steel Tape Armored Cable, Add	*157.99*	
27 14 23 16-0499	MLF	8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,720.82	
		For Corrugated Coated Steel Tape Armored Cable, Add	*163.09*	
27 14 23 16-0500	MLF	12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,982.36	
		For Corrugated Coated Steel Tape Armored Cable, Add	*170.92*	
27 14 23 16-0501	MLF	18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,391.99	
		For Corrugated Coated Steel Tape Armored Cable, Add	*183.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0502	MLF	24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,784.39	
		For Corrugated Coated Steel Tape Armored Cable, Add	*194.62*	
27 14 23 16-0503	MLF	36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,587.98	
		For Corrugated Coated Steel Tape Armored Cable, Add	*236.62*	
27 14 23 16-0504	MLF	48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,391.40	
		For Corrugated Coated Steel Tape Armored Cable, Add	*242.02*	
27 14 23 16-0505	MLF	60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,197.43	
		For Corrugated Coated Steel Tape Armored Cable, Add	*261.72*	
27 14 23 16-0506	MLF	72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	6,041.10	
		For Corrugated Coated Steel Tape Armored Cable, Add	*288.90*	
27 14 23 16-0507	MLF	96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,749.01	
		For Corrugated Coated Steel Tape Armored Cable, Add	*285.06*	
27 14 23 16-0508	MLF	120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	9,567.73	
		For Corrugated Coated Steel Tape Armored Cable, Add	*293.59*	
27 14 23 16-0509	MLF	144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	11,249.66	
		For Corrugated Coated Steel Tape Armored Cable, Add	*333.15*	

27 14 23 16-0510 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 14 23 16-0479)*

27 14 23 16-0511	MLF	2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,246.66	
		For Corrugated Coated Steel Tape Armored Cable, Add	*125.45*	
27 14 23 16-0512	MLF	4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,340.75	
		For Corrugated Coated Steel Tape Armored Cable, Add	*135.61*	
27 14 23 16-0513	MLF	6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,434.69	
		For Corrugated Coated Steel Tape Armored Cable, Add	*145.76*	
27 14 23 16-0514	MLF	8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,528.78	
		For Corrugated Coated Steel Tape Armored Cable, Add	*155.90*	
27 14 23 16-0515	MLF	12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,772.51	
		For Corrugated Coated Steel Tape Armored Cable, Add	*167.69*	
27 14 23 16-0516	MLF	18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,011.51	
		For Corrugated Coated Steel Tape Armored Cable, Add	*196.50*	
27 14 23 16-0517	MLF	24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,304.36	
		For Corrugated Coated Steel Tape Armored Cable, Add	*213.44*	
27 14 23 16-0518	MLF	36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,871.21	
		For Corrugated Coated Steel Tape Armored Cable, Add	*263.71*	
27 14 23 16-0519	MLF	48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,448.66	
		For Corrugated Coated Steel Tape Armored Cable, Add	*302.14*	
27 14 23 16-0520	MLF	60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,028.10	
		For Corrugated Coated Steel Tape Armored Cable, Add	*336.45*	
27 14 23 16-0521	MLF	72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,637.37	
		For Corrugated Coated Steel Tape Armored Cable, Add	*375.20*	
27 14 23 16-0522	MLF	96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,873.73	
		For Corrugated Coated Steel Tape Armored Cable, Add	*442.41*	
27 14 23 16-0523	MLF	120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,190.96	
		For Corrugated Coated Steel Tape Armored Cable, Add	*457.34*	
27 14 23 16-0524	MLF	144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	8,404.73	
		For Corrugated Coated Steel Tape Armored Cable, Add	*472.12*	

27 14 23 16-0525 (Aerial) Outdoor Fiber Optic Cable, Installed On Poles *(27 14 23 16-0338)*

27 14 23 16-0526 Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles *(27 14 23 16-0525)*

27 14 23 16-0527 Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles *(27 14 23 16-0526)*

27 14 23 16-0528	MLF	2-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	6,209.61	2,225.41
		For Corrugated Coated Steel Tape Armored Cable, Add	*115.69*	
27 14 23 16-0529	MLF	4-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	6,224.07	2,225.41
		For Corrugated Coated Steel Tape Armored Cable, Add	*116.22*	
27 14 23 16-0530	MLF	6-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	6,238.71	2,225.41
		For Corrugated Coated Steel Tape Armored Cable, Add	*116.57*	
27 14 23 16-0531	MLF	8-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	6,253.52	2,225.41
		For Corrugated Coated Steel Tape Armored Cable, Add	*116.91*	
27 14 23 16-0532	MLF	12-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	6,282.61	2,225.41
		For Corrugated Coated Steel Tape Armored Cable, Add	*117.79*	
27 14 23 16-0533	MLF	18-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	6,345.52	2,225.41
		For Corrugated Coated Steel Tape Armored Cable, Add	*119.70*	
27 14 23 16-0534	MLF	24-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	6,389.25	2,225.41
		For Corrugated Coated Steel Tape Armored Cable, Add	*121.27*	
27 14 23 16-0535	MLF	36-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	6,497.45	2,225.41
		For Corrugated Coated Steel Tape Armored Cable, Add	*124.41*	
27 14 23 16-0536	MLF	48-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	6,581.27	2,225.41
		For Corrugated Coated Steel Tape Armored Cable, Add	*141.66*	
27 14 23 16-0537	MLF	60-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	6,705.50	2,225.41
		For Corrugated Coated Steel Tape Armored Cable, Add	*144.45*	
27 14 23 16-0538	MLF	72-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	6,821.02	2,225.41
		For Corrugated Coated Steel Tape Armored Cable, Add	*163.43*	
27 14 23 16-0539	MLF	96-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	7,088.83	2,225.41
		For Corrugated Coated Steel Tape Armored Cable, Add	*181.38*	
27 14 23 16-0540	MLF	120-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	7,358.37	2,225.41
		For Corrugated Coated Steel Tape Armored Cable, Add	*211.00*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0541	MLF	144-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	7,643.43	2,225.41
		For Corrugated Coated Steel Tape Armored Cable, Add	*234.35*	
27 14 23 16-0542		**Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit** *(27 14 23 16-0338)*		
		Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.		
27 14 23 16-0543		**Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit** *(27 14 23 16-0542)*		
27 14 23 16-0544	MLF	12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	3,007.03	493.75
27 14 23 16-0545	MLF	24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	3,853.43	493.75
27 14 23 16-0546	MLF	48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	5,738.91	493.75
27 14 23 16-0547		**Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit** *(27 14 23 16-0542)*		
27 14 23 16-0548	MLF	12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	4,086.57	493.75
27 14 23 16-0549	MLF	24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	4,567.57	493.75
27 14 23 16-0550	MLF	48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	6,671.58	493.75
27 14 23 16-0551		**Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench** *(27 14 23 16-0338)*		
		Note: Singlemode and multimode combination cable. Excludes trenching.		
27 14 23 16-0552		**Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench** *(27 14 23 16-0551)*		
27 14 23 16-0553	MLF	12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	2,924.73	452.61
27 14 23 16-0554	MLF	24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	3,771.13	452.61
27 14 23 16-0555	MLF	48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	5,656.61	452.61
27 14 23 16-0556		**Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench** *(27 14 23 16-0551)*		
27 14 23 16-0557	MLF	12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	4,004.27	452.61
27 14 23 16-0558	MLF	24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	4,485.27	452.61
27 14 23 16-0559	MLF	48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	6,589.28	452.61
27 14 23 16-0560		**Network Communications Cabling And Related Products** *(27 14 23 16)*		
27 14 23 16-0561	EA	AC Surge Suppression Assembly Note: Liebert AccuVar Transient Voltage Surge Protection (TVSS) device or Atlantic Scientific Zone Defender Pro Model # 16100. Includes testing.	257.05	10.28
27 14 23 16-0562	EA	Single Mode Fiber Optic To Ethernet Media Converter Note: Transition Networks part no. J/E-PSW-FX-02(SM). Includes testing.	431.41	12.35
27 14 23 16-0563	EA	6' Long Single Mode Patch Cord With SC duplex Connectors At Both Ends Note: Includes testing.	23.13	1.32
27 14 23 16-0564	EA	KVM (Keyboard, Video, Mouse) Cable Note: Raritan CCP40. Includes testing.	52.39	1.65
27 14 23 16-0565	EA	6' Long USB (Universal Serial Bus) Cable Note: Includes testing.	8.25	1.32
27 14 23 16-0566	EA	10' Long USB (Universal Serial Bus) Cable Note: Includes testing.	9.74	1.65
27 14 23 16-0567	EA	6' Long Category 6 Patch Cables With A RJ-45 Connectors At Each End Note: Includes testing.	10.52	1.32
27 14 23 16-0568	EA	10' Long Category 6 Patch Cables With A RJ-45 Connectors At Each End Note: Includes testing.	12.01	1.65
27 14 23 16-0569	EA	6' Long Single Mode Patch Cord With SC Connectors At Both Ends Note: Includes testing.	17.17	1.32
27 14 23 16-0570	EA	20' Long Single Mode Patch Cord With SC Duplex Connectors At Both Ends Note: Includes testing.	37.00	1.65
27 14 23 16-0571	EA	6' Long Single Mode Patch Cord With SC Duplex Connector At One End And SC Connectors At The Other Note: Includes testing.	29.25	1.32
27 14 23 16-0572	EA	20' Long Single Mode Patch Cord With SC Duplex Connector At One End And SC Connectors At The Other Note: Includes testing.	37.00	1.65
27 14 23 16-0573	EA	6' Long Single Mode Patch Cord With SC Duplex Connector At One End And FC Connectors At The Other Note: Includes testing.	54.36	1.32
27 14 23 16-0574	EA	6' Long Single Mode Patch Cord With SC Connectors At One End And FC Connectors At The Other Note: Includes testing.	54.36	1.32
27 14 23 16-0575	LF	6 Strand Dielectric Indoor / Outdoor Fiber Optic Cable Note: Corning part no. 006ESF-T41O1D20. Includes testing.	0.63	
27 14 23 16-0576	LF	12 Strand Dielectric Indoor / Outdoor Fiber Optic Cable Note: Corning part no. 012ESF-T41O1D20. Includes testing.	4.90	
27 14 23 16-0577	LF	24 Strand Dielectric Indoor / Outdoor Fiber Optic Cable Note: Corning part no. 024EW4-T4101D20. Includes testing.	5.98	
27 14 23 16-0578	LF	72 Strand Dielectric Indoor / Outdoor Fiber Optic Cable Note: Corning part no. 072EW4-T4101D20. Includes testing.	9.73	
27 14 23 16-0579	LF	144 Strand Dielectric Indoor / Outdoor Fiber Optic Cable Note: Corning part no. 144EW4-T4101D20. Includes testing.	15.27	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0580	LF	36 Strand Dielectric Indoor Plenum Rated Fiber Optic Cable Note: Corning part no. 036E81-61131-24. Includes testing.	9.33	
27 14 23 16-0581	LF	72 Strand Dielectric Indoor Plenum Rated Fiber Optic Cable Note: Corning part no. 072E81-T3131-24. Includes testing.	14.33	
27 14 23 16-0582	EA	Aerial Storage Unit Note: Alcola part no. FSU-16. Includes testing.	70.96	8.23
27 14 23 16-0583	EA	Spider Fan-Out Kits With SC Connectors Note: Corning part no. SFK–P–12–900–S.	85.90	8.23
27 14 23 16-0584	LF	Ultraviolet Resistant Rated Category 6 Cable Note: Includes RJ 45 connectors at both ends. CommScope part no. 6NF4+. Includes testing.	0.84	0.15
27 14 23 16-0585	LF	RG11 Coaxial Cable NEC CMR Note: Corning part no. SFK–P–12–900–S.	3.17	1.54
27 14 23 16-0586	LF	Outdoor Rated UL Type CL2 Note: Aluminum foil-polyester tape 100% shield coverage twisted (6 twists per foot) single pair 19 X 27 stranding tin copper coated #14 AWG conductor Audio, Control, and Instrumentation Cable with polyethylene insulation and PVC jacket. Belden 8720. Includes testing.	3.11	
27 14 23 16-0587	LF	Indoor Plenum Rated UL Type CMP Note: 100% aluminum foil shield coverage twisted (6 twists per foot) 4 pairs 7X32 stranding tin copper coated #24 AWG conductor Computer Cable with Fluorinated Ethylene Propylene insulation and plenum rated jacket. Belden 82504. Includes testing.	4.40	1.54

27 14 33 Communications Coaxial Cabling *(27 14)*

27 14 33 16 Communications Coaxial Cabling *(27 14 33)*

27 14 33 16-0001 Indoor Coaxial Cable *(27 14 33 16)*

27 14 33 16-0002 Coaxial Distribution Cable *(27 14 33 16-0001)*

Note: Cables shall be as Belden, Times Fiber, West Penn or approved equal

27 14 33 16-0003	MLF	RG-6/U Coaxial Distribution Cable, In Conduit	1,529.37	240.74
27 14 33 16-0004	MLF	RG-6A/U Coaxial Distribution Cable, In Conduit	5,386.24	240.74
27 14 33 16-0005	MLF	RG-8/U Coaxial Distribution Cable, In Conduit	2,891.20	254.29
27 14 33 16-0006	MLF	RG-8A/U Coaxial Distribution Cable, In Conduit	3,615.68	254.29
27 14 33 16-0007	MLF	RG-11/U Coaxial Distribution Cable, In Conduit	3,247.07	300.93
27 14 33 16-0008	MLF	RG-11A/U Coaxial Distribution Cable, In Conduit	4,648.17	300.93
27 14 33 16-0009	MLF	RG-11/U Coaxial Distribution Cable, In Plenum	10,409.66	601.87
27 14 33 16-0010	MLF	RG-58/U Coaxial Distribution Cable, In Conduit	1,141.75	210.66
27 14 33 16-0011	MLF	RG-58A/U Coaxial Distribution Cable, In Conduit	1,285.31	210.66
27 14 33 16-0012	MLF	RG-58C/U Coaxial Distribution Cable, In Conduit	1,538.21	210.66
27 14 33 16-0013	MLF	RG-58/U Coaxial Distribution Cable, In Plenum	3,716.71	421.30
27 14 33 16-0014	MLF	RG-59/U Coaxial Distribution Cable, In Conduit	1,812.46	210.66
27 14 33 16-0015	MLF	RG-59/U Coaxial Distribution Cable, In Plenum	4,469.16	421.30
27 14 33 16-0016	MLF	1/2" Hard Line Coaxial, In Conduit	1,870.81	421.30

27 14 33 16-0017 Coaxial, Indoor Telecommunications Cable *(27 14 33 16-0001)*

27 14 33 16-0018 Coaxial, Indoor Telecommunications Cable, Installed In Conduit *(27 14 33 16-0017)*

27 14 33 16-0019	MLF	RG 59/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9108)	978.02	345.63
27 14 33 16-0020	MLF	RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82108)	2,124.58	345.63
27 14 33 16-0021	MLF	RG 6/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9114)	851.90	395.00
27 14 33 16-0022	MLF	RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82120)	2,658.51	395.00

27 14 33 16-0023 Coaxial, Indoor Telecommunications Cable, Installed Exposed *(27 14 33 16-0017)*

27 14 33 16-0024	MLF	RG 59/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9108)	1,554.06	691.26
27 14 33 16-0025	MLF	RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82108)	2,700.62	691.26
27 14 33 16-0026	MLF	RG 6/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9114)	1,510.25	790.00
27 14 33 16-0027	MLF	RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82120)	3,316.86	790.00

27 14 33 16-0028 Outdoor Coaxial Cable *(27 14 33 16)*

27 14 33 16-0029 Coaxial Cables "Television" Copper Covered Aluminum Center Core *(27 14 33 16-0028)*

Note: Corrugated steel armor jacket.

27 14 33 16-0030	MLF	TV Coaxial Trunk Cable 3/4" Diameter, Direct Burial	4,412.28	1,126.39
27 14 33 16-0031	MLF	TV Coaxial Distribution Cable 1/2" Diameter, Direct Burial	2,799.58	792.28
27 14 33 16-0032	MLF	TV Coaxial Distribution Cable 3/8" Diameter, Direct Burial	2,321.83	467.42
27 14 33 16-0033	MLF	TV Coaxial Cable Drop 1/4" Diameter, Direct Burial	1,316.19	467.42
27 14 33 16-0034	MLF	TV Coaxial Cable Drop 1/4" Diameter, Placed In Conduit	1,973.54	730.36

27 14 43 Communications Faceplates And Connectors *(27 14)*

27 14 43 00-0001 Plastic Communications Faceplates *(27 14 43)*

Note: Excludes modular jacks. See CSI section 27 14 43 00-0035 for modular jacks.

27 14 43 00-0002	EA	One Port, Single Gang, Plastic Communication Faceplate With Station ID	6.47	2.06
27 14 43 00-0003	EA	Two Port, Single Gang, Plastic Communication Faceplate With Station ID	6.47	2.06
27 14 43 00-0004	EA	Three Port, Single Gang, Plastic Communication Faceplate With Station ID	6.47	2.06
27 14 43 00-0005	EA	Four Port, Single Gang, Plastic Communication Faceplate With Station ID	6.47	2.06
27 14 43 00-0006	EA	Six Port, Single Gang, Plastic Communication Faceplate With Station ID	6.47	2.06
27 14 43 00-0007	EA	Four Port, Double Gang, Plastic Communications Faceplate With Station ID	9.60	2.06

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 43 00-0008	EA	Six Port, Double Gang, Plastic Communication Faceplate With Station ID	9.60	2.06
27 14 43 00-0009	EA	Eight Port, Double Gang, Plastic Communication Faceplate With Station ID	9.60	2.06
27 14 43 00-0010	EA	Nine Port, Double Gang, Plastic Communication Faceplate With Station ID	9.60	2.06
27 14 43 00-0011	EA	Twelve Port, Double Gang, Plastic Communication Faceplate With Station ID	9.60	2.06
27 14 43 00-0012		Stainless Steel Communications Faceplates *(27 14 43)*		
		Note: Excludes modular jacks. See CSI section 27 14 43 00-0035 for modular jacks.		
27 14 43 00-0013		Stainless Steel Communications Faceplates *(27 14 43 00-0012)*		
27 14 43 00-0014	EA	One Port, Single Gang, Stainless Steel Communications Faceplate	12.13	2.06
27 14 43 00-0015	EA	Two Port, Single Gang, Stainless Steel Communications Faceplate	12.13	2.06
27 14 43 00-0016	EA	Three Port, Single Gang, Stainless Steel Communications Faceplate	12.13	2.06
27 14 43 00-0017	EA	Four Port, Single Gang, Stainless Steel Communications Faceplate	12.96	2.06
27 14 43 00-0018	EA	Six Port, Single Gang, Stainless Steel Communications Faceplate	12.96	2.06
27 14 43 00-0019	EA	Four Port, Double Gang, Stainless Steel Communications Faceplate	17.43	2.06
27 14 43 00-0020	EA	Six Port, Double Gang, Stainless Steel Communications Faceplate	17.95	2.06
27 14 43 00-0021	EA	Eight Port, Double Gang, Stainless Steel Communications Faceplate	20.75	2.06
27 14 43 00-0022	EA	Nine Port, Double Gang, Stainless Steel Communication Faceplate	20.75	2.06
27 14 43 00-0023	EA	Twelve Port, Double Gang, Stainless Steel Communications Faceplate	20.75	2.06
27 14 43 00-0024		Stainless Steel Communications Faceplates With Station ID *(27 14 43 00-0012)*		
27 14 43 00-0025	EA	One Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	17.33	2.06
27 14 43 00-0026	EA	Two Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	17.33	2.06
27 14 43 00-0027	EA	Three Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	17.33	2.06
27 14 43 00-0028	EA	Four Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	17.33	2.06
27 14 43 00-0029	EA	Six Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	17.33	2.06
27 14 43 00-0030	EA	Four Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	37.17	2.06
27 14 43 00-0031	EA	Six Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	37.17	2.06
27 14 43 00-0032	EA	Eight Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	37.17	2.06
27 14 43 00-0033	EA	Nine Port, Double Gang, Stainless Steel Communication Faceplate With Station ID	37.17	2.06
27 14 43 00-0034	EA	Twelve Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	37.17	2.06
27 14 43 00-0035		Snap-In Modular Jacks *(27 14 43)*		
		Note: Includes termination.		
27 14 43 00-0036	EA	Cat 3, Snap-In Modular Jack	22.40	8.24
27 14 43 00-0037	EA	Cat 5E, Snap-In Modular Jack	23.55	8.24
27 14 43 00-0038	EA	Cat 5E Shielded, Snap-In Modular Jack	26.97	8.24
27 14 43 00-0039	EA	Cat 6, Snap-In Modular Jack	26.97	8.24
27 14 43 00-0040	EA	Cat 6 Shielded, Snap-In Modular Jack	30.82	8.24
27 14 43 00-0041	EA	Cat 6A, Snap-In Modular Jack	31.40	8.24
27 14 43 00-0042	EA	Voice, RJ-11, Snap-In Modular Jack	14.51	4.13
27 14 43 00-0043	EA	SC Type Fiber Optic, Snap-In Modular Jack	25.00	8.24
27 14 43 00-0044	EA	ST Type Fiber Optic, Snap-In Modular Jack	27.91	8.24
27 14 43 00-0045	EA	LC Type Fiber Optic, Snap-In Modular Jack	33.62	8.24
27 14 43 00-0046	EA	Blank Fill In, Snap-In Modular Jack	4.67	2.06
27 14 43 00-0047	EA	Open Cable Pass Through Insert, Snap-In Modular Jack	5.23	2.06
27 14 43 00-0048	EA	Coaxial F-Type Coupler, Snap-In Modular Jack	18.71	6.18
		Note: Includes female to female connection.		
		For Gold Bulkhead, Add	*1.11*	
27 14 43 00-0049	EA	RCA Jack Pass-Through Coupler, Snap-In Modular Jack	18.92	6.18
		Note: Includes female to female connection.		
27 14 43 00-0050	EA	RCA Solder Coupler, Snap-In Modular Jack	37.85	8.24
27 14 43 00-0051	EA	RCA Jack With 110 Punch Down, Snap-In Modular Jack	46.27	8.24
27 14 43 00-0052	EA	3.5 m Mini Stereo Jack, Snap-In Modular Jack	23.23	8.24
27 14 43 00-0053	EA	MT-RJ Pass-Through Coupler, Snap-In Modular Jack	24.32	4.13
27 14 43 00-0054	EA	BNC Connector, Snap-In Modular Jack	26.66	8.24
27 14 43 00-0055	EA	S-Video With 110 Punch Down, Snap-In Modular Jack	29.78	8.24
27 14 43 00-0056	PR	Speaker Connectors, Snap-In Modular Jack	38.05	12.37
		Note: Includes a pair of binding posts, banana jacks or spring clip connectors. Requires two open ports.		
27 14 43 00-0057	EA	USB Audio Video Connector, Snap-In Modular Jack	44.12	8.24
27 14 43 00-0058		Surface Mount Plastic Communication Boxes *(27 14 43)*		
		Note: Excludes modular jacks. See CSI section 27 14 43 00-0035 for modular jacks.		
27 14 43 00-0059	EA	One Port, Surface Mount Plastic Communication Box With Station ID	23.57	10.30
27 14 43 00-0060	EA	Two Port, Surface Mount Plastic Communication Box With Station ID	24.09	10.30
27 14 43 00-0061	EA	Four Port, Surface Mount Plastic Communication Box With Station ID	27.68	10.30
27 14 43 00-0062	EA	Six Port, Surface Mount Plastic Communication Box With Station ID	31.94	10.30
27 14 43 00-0063	EA	Twelve Port, Surface Mount Plastic Communication Box With Station ID	36.40	10.30
27 14 43 00-0064		Wall Mounted Telephone Faceplates *(27 14 43)*		
		Note: Includes standard telephone mounting studs.		
27 14 43 00-0065		Plastic Faceplates For Wall Mounted Telephones *(27 14 43 00-0064)*		
27 14 43 00-0066	EA	Single Gang, 6-Position RJ25 Jack, Flush, Plastic Faceplate For Wall Mounted Telephones	27.09	10.28
27 14 43 00-0067		Stainless Steel Faceplates For Wall Mounted Telephones *(27 14 43 00-0064)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 43 00-0068	EA	Single Gang, Keystone Opening, Flush, Stainless Steel Faceplate For Wall Mounted Telephones Note: Requires one snap-in modular jack.	22.78	4.12
27 14 43 00-0069	EA	Single Gang, 6-Position RJ25 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones	40.23	10.28
27 14 43 00-0070	EA	Single Gang, 8-Position RJ45 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones	46.89	12.35
27 14 43 00-0071	EA	Single Gang, Keystone Opening, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones Note: Requires one snap-in modular jack.	21.93	4.12
27 14 43 00-0072	EA	Single Gang, 6-Position RJ25 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones	36.64	10.28
27 14 43 00-0073	EA	Single Gang, 8-Position RJ45 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones	43.39	12.35

27 14 43 00-0074 Communications Equipment Labeling *(27 14 43)*

27 14 43 00-0075	EA	Label Both Ends Of One 4 Pair Cable	16.20	
27 14 43 00-0076	EA	Label single gang face plate (2 labels required)	12.96	
27 14 43 00-0077	EA	Label two gang face plate (4 labels required)	19.43	
27 14 43 00-0078	EA	Label both ends of a Siamese (dual 4 Pair cable)	16.20	

27 14 53 Communications Cable Innerduct *(27 14)*

Note: Includes pull rope. Excludes conduit.

27 14 53 00-0001 Indoor Innerduct *(27 14 53)*

27 14 53 00-0002 Indoor Innerduct, Installed In Conduit *(27 14 53 00-0001)*

27 14 53 00-0003 Riser Rated, Indoor Innerduct, Installed In Conduit *(27 14 53 00-0002)*

27 14 53 00-0004	MLF	1" Riser Rated, Indoor Innerduct, Installed In Conduit	3,065.58	1,234.38
27 14 53 00-0005	MLF	1-1/4" Riser Rated, Indoor Innerduct, Installed In Conduit	3,990.10	1,645.84
27 14 53 00-0006	MLF	1-1/2" Riser Rated, Indoor Innerduct, Installed In Conduit	5,244.76	2,057.31
27 14 53 00-0007	MLF	2" Riser Rated, Indoor Innerduct, Installed In Conduit	6,156.57	2,468.76

27 14 53 00-0008 Plenum Rated, Indoor Innerduct, Installed In Conduit *(27 14 53 00-0002)*

27 14 53 00-0009	MLF	1" Plenum Rated, Indoor Innerduct, Installed In Conduit	4,335.41	1,234.38
27 14 53 00-0010	MLF	1-1/4" Plenum Rated, Indoor Innerduct, Installed In Conduit	5,475.80	1,645.84
27 14 53 00-0011	MLF	1-1/2" Plenum Rated, Indoor Innerduct, Installed In Conduit	7,213.00	2,057.31
27 14 53 00-0012	MLF	2" Plenum Rated, Indoor Innerduct, Installed In Conduit	8,696.23	2,468.76

27 14 53 00-0013 Indoor Innerduct, Installed Exposed *(27 14 53 00-0001)*

27 14 53 00-0014 Riser Rated, Indoor Innerduct, Installed Exposed *(27 14 53 00-0013)*

27 14 53 00-0015	MLF	1" Riser Rated, Indoor Innerduct, Installed Exposed	3,888.51	1,645.84
27 14 53 00-0016	MLF	1-1/4" Riser Rated, Indoor Innerduct, Installed Exposed	4,813.02	2,057.31
27 14 53 00-0017	MLF	1-1/2" Riser Rated, Indoor Innerduct, Installed Exposed	6,067.68	2,468.76
27 14 53 00-0018	MLF	2" Riser Rated, Indoor Innerduct, Installed Exposed	6,979.49	2,880.23

27 14 53 00-0019 Plenum Rated, Indoor Innerduct, Installed Exposed *(27 14 53 00-0013)*

27 14 53 00-0020	MLF	1" Plenum Rated, Indoor Innerduct, Installed Exposed	5,158.34	1,645.84
27 14 53 00-0021	MLF	1-1/4" Plenum Rated, Indoor Innerduct, Installed Exposed	6,298.72	2,057.31
27 14 53 00-0022	MLF	1-1/2" Plenum Rated, Indoor Innerduct, Installed Exposed	8,035.92	2,468.76
27 14 53 00-0023	MLF	2" Plenum Rated, Indoor Innerduct, Installed Exposed	9,519.15	2,880.23

27 14 53 00-0024 Outdoor Innerduct *(27 14 53)*

27 14 53 00-0025 Outdoor Innerduct, Installed In Conduit *(27 14 53 00-0024)*

27 14 53 00-0026	MLF	1" Outdoor Innerduct, Installed In Conduit	2,913.20	1,234.38
27 14 53 00-0027	MLF	1-1/4" Outdoor Innerduct, Installed In Conduit	3,765.39	1,645.84
27 14 53 00-0028	MLF	1-1/2" Outdoor Innerduct, Installed In Conduit	4,790.41	2,057.31
27 14 53 00-0029	MLF	2" Outdoor Innerduct, Installed In Conduit	5,726.60	2,468.76

27 14 53 00-0030 Outdoor Innerduct, Buried In Trench *(27 14 53 00-0024)*

27 14 53 00-0031	MLF	1" Outdoor Innerduct, Buried In Trench	2,090.28	
27 14 53 00-0032	MLF	1-1/4" Outdoor Innerduct, Buried In Trench	2,942.46	
27 14 53 00-0033	MLF	1-1/2" Outdoor Innerduct, Buried In Trench	3,967.49	
27 14 53 00-0034	MLF	2" Outdoor Innerduct, Buried In Trench	4,903.68	

27 14 63 Communications Multimedia Modular Patch Panels *(27 14)*

27 14 63 00-0001 Communications Multimedia Modular Patch Panels *(27 14 63)*

Note: Unloaded multimedia patch panels that accept modular jacks for category 3, 5e, 6, fiber optic, etc. Excludes rack, modular jacks and terminations. See CSI section 27 14 43 00-0035 for modular jacks.

27 14 63 00-0002	EA	12 Port, Wall Mount Multimedia Modular Patch Panel, Unloaded	72.65	4.12
27 14 63 00-0003	EA	16 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	80.12	4.12
27 14 63 00-0004	EA	24 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	94.58	4.12
27 14 63 00-0005	EA	36 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	99.03	4.12
27 14 63 00-0006	EA	48 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	108.39	5.14
27 14 63 00-0007	EA	24 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded	102.71	4.12
27 14 63 00-0008	EA	48 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded	128.89	5.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 63 00-0009	EA	Rack Mount Rear Cable Management Bar	36.08	5.14

27 16 Communications Connecting Cords, Devices, And Adapters *(27 10)*

27 16 16 Communications Media Converters, Adapters, and Transceivers *(27 16)*

27 16 16 00-0001 Fiber Optic Receivers *(27 16 16)*

27 16 16 00-0002	EA	Fiber Optic Receiver, Range 6.2 Miles	482.04	41.14
27 16 16 00-0003	EA	Fiber Optic MM Dual Video Receiver, Manual Gain Note: With video presence Ind, RM.	604.58	81.05

27 16 16 00-0004 Fiber Optic Transmitters *(27 16 16)*

27 16 16 00-0005	EA	Fiber Optic Transmitter, Range 6.2 Miles	482.03	41.14
27 16 16 00-0006	EA	Fiber Optic MM Dual Video Transmitter Video Presence Indicator	604.58	81.05

27 16 16 00-0007 Fiber Optic Repeaters *(27 16 16)*

Note: Consist of transmitter and receiver, back-to-back. Excludes power source.

27 16 16 00-0008	EA	Fiber Optic Repeater, 6.2 Miles Transmitter And Receiver Back-Back, No Power	564.31	82.30
27 16 16 00-0009	EA	Fiber Optic Digital Repeater, 2,000 Miles Transmitter And Receiver Back-Back, No Power	905.67	164.58

27 16 16 00-0010 Fiber Optic Transceivers *(27 16 16)*

27 16 16 00-0011	EA	Fiber Optic Transceivers, 3,000 Miles Range	634.52	164.58
27 16 16 00-0012	EA	Fiber Optic Transceivers, Digital 2,000 Miles Range	634.52	164.58
27 16 16 00-0013	EA	Fiber Optic Ethernet Transceiver	825.33	246.88
27 16 16 00-0014	EA	Transceiver (Low Cost Bi- Directional)	281.58	61.72

27 16 19 Communications Patch Cords, Station Cords, And Cross Connect Wire *(27 16)*

27 16 19 00-0001 Fiber Optic Patch Cords *(27 16 19)*

27 16 19 00-0002 Simplex Fiber Optic Patch Cables *(27 16 19 00-0001)*

27 16 19 00-0003 Singlemode, Simplex Fiber Optic Patch Cables *(27 16 19 00-0002)*

27 16 19 00-0004	EA	ST To ST Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	30.01	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0005	EA	ST To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	24.75	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0006	EA	ST To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	31.59	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0007	EA	SC To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	25.95	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0008	EA	SC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	29.79	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0009	EA	LC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	29.36	
		For Each Additional Meter In Length, Add	*0.26*	

27 16 19 00-0010 Duplex Fiber Optic Patch Cables *(27 16 19 00-0001)*

27 16 19 00-0011 Singlemode, Duplex Fiber Optic Patch Cables *(27 16 19 00-0010)*

27 16 19 00-0012	EA	ST To ST Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	51.15	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0013	EA	ST To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	49.67	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0014	EA	ST To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	54.94	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0015	EA	SC To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	43.05	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0016	EA	SC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	50.72	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0017	EA	LC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	49.88	
		For Each Additional Meter In Length, Add	*0.51*	

27 16 19 00-0018 Multimode, Duplex Fiber Optic Patch Cables *(27 16 19 00-0010)*

27 16 19 00-0019	EA	ST To ST Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	39.00	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0020	EA	ST To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	42.43	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0021	EA	ST To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	42.79	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0022	EA	ST To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	43.89	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0023	EA	SC To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	39.14	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0024	EA	SC To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	44.09	
		For Each Additional Meter In Length, Add	*1.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 16 19 00-0025	EA	SC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	51.54	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0026	EA	MTRJ To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	35.97	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0027	EA	LC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	43.44	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0028		Fiber Optic Cable Pig Tail *(27 16 19)*		
27 16 19 00-0029	EA	Simplex Fiber Optic Cable Pig Tail	53.20	28.80
27 16 19 00-0030	EA	Duplex Fiber Optic Cable Pig Tail	65.68	28.80
27 16 19 00-0031		Ethernet Patch Cords *(27 16 19)*		
27 16 19 00-0032	EA	3' Category 5E Patch Cables With Boots	13.06	
27 16 19 00-0033	EA	5' Category 5E Patch Cables With Boots	13.80	
27 16 19 00-0034	EA	7' Category 5E Patch Cables With Boots	14.53	
27 16 19 00-0035	EA	10' Category 5E Patch Cables With Boots	19.75	
27 16 19 00-0036	EA	15' Category 5E Patch Cables With Boots	21.59	
27 16 19 00-0037	EA	25' Category 5E Patch Cables With Boots	25.27	
27 16 19 00-0038	EA	3' Category 6 Patch Cables With Boots	14.10	
27 16 19 00-0039	EA	5' Category 6 Patch Cables With Boots	15.05	
27 16 19 00-0040	EA	7' Category 6 Patch Cables With Boots	15.99	
27 16 19 00-0041	EA	10' Category 6 Patch Cables With Boots	21.52	
27 16 19 00-0042	EA	15' Category 6 Patch Cables With Boots	23.89	
27 16 19 00-0043	EA	25' Category 6 Patch Cables With Boots	28.63	
27 16 19 00-0044	EA	50' Category 6 Patch Cables With Boots	40.46	
27 16 19 00-0045	EA	100' Category 6 Patch Cables With Boots	68.27	
27 16 19 00-0046	EA	3' Category 6A Patch Cables With Boots	18.06	
27 16 19 00-0047	EA	5' Category 6A Patch Cables With Boots	19.91	
27 16 19 00-0048	EA	7' Category 6A Patch Cables With Boots	21.77	
27 16 19 00-0049	EA	10' Category 6A Patch Cables With Boots	28.66	
27 16 19 00-0050	EA	15' Category 6A Patch Cables With Boots	33.30	
27 16 19 00-0051	EA	25' Category 6A Patch Cables With Boots	42.57	
27 16 19 00-0052	EA	50' Category 6A Patch Cables With Boots	65.75	
27 16 19 00-0053	EA	100' Category 6A Patch Cables With Boots	116.25	
27 16 19 00-0054		Cross Connect Wire *(27 16 19)*		
		Note: Up to 20' length.		
27 16 19 00-0055	EA	2-Pair Cross Connect Wire	13.18	
27 16 19 00-0056	EA	3-Pair Cross Connect Wire	17.65	
27 16 19 00-0057	EA	4-Pair Cross Connect Wire	22.08	

27 20 Data Communications *(27)*

27 21 Data Communications Network Equipment *(27 20)*

Note: Includes testing of new devices and certification.

27 21 16 Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and Modems *(27 21)*

27 21 16 00-0001		Fiber Optic Modems *(27 21 16)*		
27 21 16 00-0002	EA	Fiber Optic Modems, Range 6.2 Miles	995.39	164.58
27 21 16 00-0003	EA	Fiber Optic Modem, Range 3.1 Miles, 12 Channel	1,828.17	164.58
27 21 16 00-0004		Ethernet Hubs and Switches *(27 21 16)*		
27 21 16 00-0005	EA	16 Port Managed Hub With Fiberport And Standard Management	2,113.12	123.64
27 21 16 00-0006	EA	16 Port Unmanaged Hub	405.72	82.43
27 21 16 00-0007		Network Equipment *(27 21 16)*		
27 21 16 00-0008		Communications Entrance Protection *(27 21 16 00-0007)*		
27 21 16 00-0009	EA	100-Pair, 5 Pin Configuration, 110 Termination, Building Entrance Terminal With Cover (Porta 24100-110-M110C) Note: Excludes terminations.	614.98	61.82
27 21 16 00-0010	EA	Solid State Protector Module With 4 OHM Heat Coils (CommScope 4C1S)	7.46	0.82
27 21 16 00-0011		Communications Cabinets, Racks, Frames And Enclosures *(27 21 16 00-0007)*		
27 21 16 00-0012	EA	19" Width x 24" Depth x 36" Height, Wall Mounted Telecommunications Enclosure (Chatsworth 11840-736)	740.79	61.82
27 21 16 00-0013	EA	10 Outlet, 125 Volt, 20 Amp Telecommunications Cabinet Power Strip (Chatsworth 13239-757)	652.51	4.13
27 21 16 00-0014	EA	Fan Kit For Telecommunications Cabinet (Chatsworth 12804-701)	119.75	16.48
27 21 16 00-0015		Communications Termination Blocks And Patch Panels *(27 21 16 00-0007)*		
27 21 16 00-0016		Communications Termination Blocks *(27 21 16 00-0015)*		
27 21 16 00-0017	EA	4-Pair, 300-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058810)	232.73	12.35

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0018		EA	5-Pair, 300-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058802)	216.62	12.35
27 21 16 00-0019		EA	4-Pair, 900-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058869)	518.60	12.35
27 21 16 00-0020		EA	5-Pair, 900-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058851)	482.37	12.35
27 21 16 00-0021		EA	110 Connector System Mounting Brackets (CommScope 107535593)	73.27	12.35
27 21 16 00-0022		EA	110 Connector System Mounting Brackets (CommScope 107535585)	79.13	12.35
27 21 16 00-0023		EA	110 Connector System Mounting Brackets (CommScope 107098816)	90.09	12.35
27 21 16 00-0024			Communications Copper Patch Panels *(27 21 16 00-0015)*		
			Note: Excludes cabinet and terminations.		
27 21 16 00-0025		EA	24 Port, Category 5E Patch Panel (CommScope 108208919)	230.48	26.78
27 21 16 00-0026		EA	48 Port, Category 5E Patch Panel (CommScope 108208935)	419.74	32.97
27 21 16 00-0027		EA	24 Port, Category 6 Patch Panel (CommScope 760062372)	340.84	26.78
27 21 16 00-0028		EA	48 Port, Category 6 Patch Panel (CommScope 760062380)	635.87	32.97
27 21 16 00-0029			Communications Optical Fiber Patch Panels *(27 21 16 00-0015)*		
27 21 16 00-0030			Closet Connector Housings *(27 21 16 00-0029)*		
27 21 16 00-0031		EA	48 Fiber Total Capacity, Closet Connector Housing (Corning CCH-01U)	264.12	16.48
			Note: Accepts up to 2 closet connector housing panels. Excludes panels.		
27 21 16 00-0032		EA	96 Fiber Total Capacity, Closet Connector Housing (Corning CCH-02U)	307.83	16.48
			Note: Accepts up to 4 closet connector housing panels. Excludes panels.		
27 21 16 00-0033		EA	288 Fiber Total Capacity, Closet Connector Housing (Corning CCH-04U)	383.21	16.48
			Note: Accepts up to 12 closet connector housing panels. Excludes panels.		
27 21 16 00-0034		EA	SC Duplex Multimode, 62.5 Micron, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-91)	82.75	8.24
27 21 16 00-0035		EA	SC Duplex Singlemode, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-59)	112.40	8.24
27 21 16 00-0036		EA	SC Simplex Multimode, 62.5 Micron, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-56)	93.22	8.24
27 21 16 00-0037		EA	SC Simplex Singlemode, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-3C)	121.98	8.24
27 21 16 00-0038			Communications Cable Management *(27 21 16 00-0007)*		
27 21 16 00-0039			Horizontal Communication Cable Management *(27 21 16 00-0038)*		
27 21 16 00-0040		EA	1.7" Height, 19" Width, 3.7" Depth, 1 RU, Front Only, Horizontal Cable Manager (Panduit WMPFSE)	88.34	16.48
27 21 16 00-0041		EA	3-1/2" Height, 19" Width, 3.7" Depth, Horizontal Cable Manager (Panduit WMPF1E)	91.21	16.48
27 21 16 00-0042			Vertical Communication Cable Management *(27 21 16 00-0038)*		
27 21 16 00-0043		EA	6" Width x 84" Height, Double-Sided Vertical Cabling Section (Chatsworth 11729-703)	518.02	41.21
27 21 16 00-0044		EA	19" Width x 84" Height, Universal Rack (Chatsworth 48353-703)	536.56	41.21
27 21 16 00-0045		EA	23" Width x 84" Height, Universal Rack (Chatsworth 48383-703)	578.36	41.21
27 21 16 00-0046			Communications Patch Cords, Station Cords, And Cross Connect Wire *(27 21 16 00-0007)*		
27 21 16 00-0047			Premise Cross-Connect Wire *(27 21 16 00-0046)*		
27 21 16 00-0048		LF	1-Pair, 22 AWG Premise Cross-Connect Wire (General Cable 7041973)	0.85	0.41
27 21 16 00-0049			Pathways For Communications Systems *(27 21 16 00-0007)*		
27 21 16 00-0050			Conduits And Backboxes For Communication Systems *(27 21 16 00-0049)*		
27 21 16 00-0051			Flexible Conduit For Communication Systems *(27 21 16 00-0050)*		
27 21 16 00-0052		CLF	1" Diameter, Riser Rated, Non-Metallic Flexible Conduit With Pull Tape (Carlon DF4X1C)	338.76	148.12
27 21 16 00-0053		CLF	1" Diameter, Plenum Rated, Non-Metallic Flexible Conduit With Pull Tape (Carlon CF4X1C)	488.84	148.12
27 21 16 00-0054			Tube Cables For Communication Systems *(27 21 16 00-0050)*		
27 21 16 00-0055			Outdoor/All-Dielectric Tube Cables *(27 21 16 00-0054)*		
27 21 16 00-0056		CLF	Two Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC02TOX)	290.90	98.75
27 21 16 00-0057		CLF	Seven Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC07TOX)	435.29	123.44
27 21 16 00-0058		CLF	Nineteen Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC19TOX)	726.65	148.12
27 21 16 00-0059			Indoor/Riser Rated Tube Cables *(27 21 16 00-0054)*		
27 21 16 00-0060		CLF	Two Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC02TRX)	334.63	98.75
27 21 16 00-0061		CLF	Four Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC04TRX)	409.86	111.09
27 21 16 00-0062		CLF	Seven Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC07TRX)	465.66	123.44
27 21 16 00-0063		CLF	Nineteen Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC19TRX)	863.91	148.12
27 21 16 00-0064			Indoor/Plenum Rated Tube Cables *(27 21 16 00-0054)*		
27 21 16 00-0065		CLF	Single Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC01TPX)	243.53	98.75
27 21 16 00-0066		CLF	Two Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC02TP2)	355.28	98.75
27 21 16 00-0067		CLF	Four Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC04TP2)	550.76	111.09
27 21 16 00-0068		CLF	Seven Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC07TP2)	804.54	123.44
27 21 16 00-0069		CLF	Nineteen Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC19TP2)	2,521.86	148.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0070		**Unjacketed Single Tube Cables** *(27 21 16 00-0054)*		
27 21 16 00-0071	CLF	Single Tube, Unjacketed Single Tube Cable (Sumitomo TC01TGX)	209.52	98.75
27 21 16 00-0072		**Multimode Fiber Bundles** *(27 21 16 00-0054)*		
		Note: Includes optical fiber cables.		
27 21 16 00-0073	CLF	2-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FR02M6)	90.67	29.63
27 21 16 00-0074	CLF	4-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB04M6)	138.04	29.63
27 21 16 00-0075	CLF	6-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB06M6)	189.05	29.63
27 21 16 00-0076	CLF	12-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB12M6)	344.52	29.63
27 21 16 00-0077	CLF	18-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB18M6)	499.72	34.56
27 21 16 00-0078	CLF	24-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB24M6)	655.19	34.56
27 21 16 00-0079		**Singlemode Fiber Bundles** *(27 21 16 00-0054)*		
		Note: Includes optical fiber cables.		
27 21 16 00-0080	CLF	2-Fiber, Singlemode Fiber Bundle (Sumitomo FR02SX)	80.95	29.63
27 21 16 00-0081	CLF	4-Fiber, Singlemode Fiber Bundle (Sumitomo FB04SX)	101.60	29.63
27 21 16 00-0082	CLF	6-Fiber, Singlemode Fiber Bundle (Sumitomo FB06SX)	118.60	29.63
27 21 16 00-0083	CLF	12-Fiber, Singlemode Fiber Bundle (Sumitomo FB12SX)	151.40	29.63
27 21 16 00-0084	CLF	18-Fiber, Singlemode Fiber Bundle (Sumitomo FB18SX)	232.51	34.56
27 21 16 00-0085	CLF	24-Fiber, Singlemode Fiber Bundle (Sumitomo FB24SX)	306.60	34.56
27 21 16 00-0086		**Tube Distribution Cabinets** *(27 21 16 00-0054)*		
27 21 16 00-0087	EA	Modular Tube Distribution Cabinet (Sumitomo DE06MDU) Note: Up to six 7-tube cables or two 19-tube cables.	176.89	41.21
27 21 16 00-0088		**Modular Fiber Termination Cabinets** *(27 21 16 00-0054)*		
27 21 16 00-0089	EA	24-Fiber Capacity, Wall Mount, Modular Fiber Termination Cabinet (Sumitomo FT24WFM)	224.52	41.21
27 21 16 00-0090	EA	48-Fiber Capacity, Wall Mount, Modular Fiber Termination Cabinet (Sumitomo FT48WFM)	239.58	41.21
27 21 16 00-0091		**Tube Distribution Accessories** *(27 21 16 00-0054)*		
27 21 16 00-0092	EA	Plastic Push/Pull Quick Release Pneumatic Cap For 8 mm Tube (Sumitomo DE08MA)	9.93	4.13
27 21 16 00-0093	EA	Plastic Push/Pull Quick Release Pneumatic Coupling For 8 mm Tube (Sumitomo DE08MC2)	10.98	4.13
27 21 16 00-0094	EA	Brass Push/Pull Quick Release Pneumatic Coupling For 8 mm Bulkhead Tube (Sumitomo DE08MB)	13.71	4.13
27 21 16 00-0095		**Communications Optical Fiber Cabling** *(27 21 16 00-0007)*		
27 21 16 00-0096		**Communications Optical Fiber Cable Splicing And Terminations** *(27 21 16 00-0095)*		
27 21 16 00-0097		**Field Installed Fiber Connectors** *(27 21 16 00-0096)*		
27 21 16 00-0098	EA	SC Type, Singlemode, Field Installed Fiber Connector (Corning 95-200-42)	29.47	6.18
27 21 16 00-0099	EA	SC Type, 62.5 Micron Multimode, Field Installed Fiber Connector (Corning 95-000-41)	25.99	6.18
27 21 16 00-0100		**Buffer Tube Fan-Out Kits** *(27 21 16 00-0096)*		
27 21 16 00-0101		**Buffer Tube Breakout Kits (Sumitomo)** *(27 21 16 00-0100)*		
		Note: Includes 900 micron tubing.		
27 21 16 00-0102	EA	2-Fiber Breakout Kit (Sumitomo FTFLD02)	179.16	82.30
27 21 16 00-0103	EA	4-Fiber Breakout Kit (Sumitomo FTFLD04)	182.80	82.30
27 21 16 00-0104	EA	6-Fiber Breakout Kit (Sumitomo FTFLD06)	186.02	82.30
27 21 16 00-0105	EA	12-Fiber Breakout Kit (Sumitomo FTFLD12)	196.01	82.30
27 21 16 00-0106	EA	18-Fiber Breakout Kit (Sumitomo FTFLD18)	209.69	82.30
27 21 16 00-0107	EA	24-Fiber Breakout Kit (Sumitomo FTFLD24)	219.85	82.30
27 21 16 00-0108		**Buffer Tube Fan-Out Kits (Corning)** *(27 21 16 00-0100)*		
27 21 16 00-0109	EA	12 Fiber, 25" Tube Length, Indoor Buffer Tube Fan-Out Kit (Corning Fan-BT25-12)	180.84	82.30
27 21 16 00-0110	EA	12 Fiber, 25" Tube Length, Outdoor Buffer Tube Fan-Out Kit (Corning Fan-OD25-12)	216.93	82.30
27 21 16 00-0111		**Communications Copper Cabling** *(27 21 16 00-0007)*		
27 21 16 00-0112		**Copper Communications Cable Splicing And Terminations** *(27 21 16 00-0111)*		
27 21 16 00-0113		**Copper Communications Cable Splice Cases** *(27 21 16 00-0112)*		
27 21 16 00-0114	EA	6.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8000626)	695.33	164.58
27 21 16 00-0115	EA	9.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8000630)	799.98	164.58
27 21 16 00-0116	EA	12.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8006219)	1,147.73	164.58
27 21 16 00-0117		**Modular Splice Connectors** *(27 21 16 00-0112)*		
27 21 16 00-0118	EA	25-Pair, Straight Body Only, 26-24 Gauge Cable, Filled Modular Splice Connector (3M 710-SC1-25)	87.38	41.14
27 21 16 00-0119	EA	25-Pair, Straight/Half Tap Body, 26-24 Gauge Cable, Dry Modular Splice Connector (3M 710-SD1-25)	86.25	41.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0120	EA	25-Pair, Straight/Half Tap Body, 26-24 Gauge Cable, Filled Modular Splice Connector (3M 710-TC1-25)	87.40	41.14
27 21 16 00-0121	EA	25-Pair, Bridge Body, 26-22 Gauge Cable, Filled Modular Splice Connector (3M 710-BC1-25)	87.24	41.14

27 30 Voice Communications *(27)*

27 31 Voice Communications Switching and Routing Equipment *(27 30)*

Note: Includes testing of new devices and certification.

27 31 13 PBX/Key Systems *(27 31)*

27 31 13 00-0001 Interior PBX Telephone System *(27 31 13)*

Note: Includes telephone instruments cabling and solid state switching.

27 31 13 00-0002 Interior PBX Telephone System *(27 31 13 00-0001)*

Note: Cost is for each line up to 1000 lines.

27 31 13 00-0003	EA	1 Line PBX Connection, Cost Per Each Line Up To 1,000	1,136.16	429.28

27 31 13 00-0004 Additional Telephones Less Solid State Switching (PBX) *(27 31 13 00-0001)*

27 31 13 00-0005	EA	Add For Each Additional PBX Phone Line Less Solid State Switching	342.73	33.74

27 31 13 00-0006 Telephones *(27 31 13 00-0001)*

27 31 13 00-0007	EA	Telephones, Desk Type Intercommunication Equipment	142.16	32.09
27 31 13 00-0008	EA	Telephones, Wall Type Intercommunication Equipment	163.79	42.80

27 32 Voice Communications Terminal Equipment *(27 30)*

Note: Includes testing of new devices and certification.

27 32 19 Interior Telephone System *(27 32)*

27 32 19 00-0001 Components *(27 32 19)*

27 32 19 00-0002	EA	Solid State Exchange Unit With Power Supply	4,153.44	751.98
27 32 19 00-0003	EA	Dial Telephone - Handset In Cabinet	487.72	61.47
27 32 19 00-0004	EA	Elevator Cab Telephone With Trailer Cable	260.77	65.92
27 32 19 00-0005	EA	Loud Ring Bell, 6"	208.20	61.15
27 32 19 00-0006	EA	Audio/Visual Indicator	257.56	57.60
27 32 19 00-0007	EA	Administrative Telephone With Digital Display	265.10	51.68
27 32 19 00-0008	EA	Processing Unit For 16 Station System	1,376.80	421.58
27 32 19 00-0009	EA	Handset For 16 Station System	189.03	41.96
27 32 19 00-0010	EA	Handset In Cabinet, For 16 Station System	255.97	56.62
27 32 19 00-0011	MLF	20 Conductor Unshielded Cable, #22	1,912.38	907.44
27 32 19 00-0012	EA	Power Supply For 16 Station System	260.30	112.00
27 32 19 00-0013	EA	Intercom Terminal Board	240.39	126.07
27 32 19 00-0014	EA	Power Supply For Five Station System, 24 Volt DC	268.89	112.00
27 32 19 00-0015	EA	Telephone Communication Board, Insulated Blueboard 24" x 24" x 1/2" Thick	127.91	46.04
27 32 19 00-0016	EA	Telephone Cabinet With Backboard 24" High x 24" Wide x 6" Deep	383.76	101.34
27 32 19 00-0017	EA	Telephone Cabinet With Backboard 30" High x 24" Wide x 6" Deep	451.49	115.18
27 32 19 00-0018	EA	Telephone Cabinet With Backboard 30" High x 30" Wide x 6" Deep	546.31	136.32
27 32 19 00-0019	EA	Telephone Cabinet With Backboard 36" High x 30" Wide x 6" Deep	639.60	147.38
27 32 19 00-0020	EA	Telephone Cabinet With Backboard 48" High x 30" Wide x 6" Deep	973.75	167.69
27 32 19 00-0021	EA	Ring Rung 3"	8.56	4.59
27 32 19 00-0022	EA	G66B50 Telephone Blocks Including 50 Terminators, Exterior Ring, Marking, ID	20.85	8.15
27 32 19 00-0023	EA	G110 Data Blocks Including Terminator, Exterior Ring, Marking, ID And Testing	38.75	16.71

27 32 19 00-0024 Accessories *(27 32 19)*

27 32 19 00-0025	EA	Blank Telephone Receptacle, Exposed Devices - Complete	9.08	4.44
27 32 19 00-0026	EA	4-Pin Telephone Receptacle, Exposed Devices - Complete	19.04	17.12
27 32 19 00-0027	EA	Level 5, RJ-45 Jack, Dual Flush Mounted - Complete	45.45	18.81
27 32 19 00-0028	EA	Level 5, RJ-45 Jack, Wall Mount - Complete	43.71	18.81
27 32 19 00-0029	EA	Terminating Strips, Inside	88.27	37.62
27 32 19 00-0030	EA	Dual Outlet, 4-Pin Telephone Receptacle, Concealed Type RJ-45 - Complete	40.69	19.34
27 32 19 00-0031	EA	Ready Access Closure 3 To 25 Pair	106.54	45.34
27 32 19 00-0032	EA	Ready Access Closure 25 To 100 Pair	123.02	50.69
27 32 19 00-0033	EA	Termination Block With Bracket 25 Pair	39.00	15.22
27 32 19 00-0034	EA	RJ-11 Telephone Receptacle, Concealed Devices - Complete	39.99	19.09
27 32 19 00-0035	EA	Interior Protected Terminal 25 Pair	400.95	109.94
27 32 19 00-0036	EA	Interior Protected Terminal 50 Pair	462.57	111.67
27 32 19 00-0037	EA	Pedestal 6" x 6" x 50" 3 To 100 Pair	160.96	45.75
27 32 19 00-0038	EA	Pedestal 8" x 8" x 50" 100 To 300 Pair	165.14	45.75
27 32 19 00-0039	EA	Pedestal 10" x 10" x 43" 300 To 600 Pair	216.79	58.51
27 32 19 00-0040	EA	Pedestal 10" x 16" x 439 600 Pair	439.03	105.42
27 32 19 00-0041	EA	Entrance Protector Terminal 100 Pair	590.09	120.31
27 32 19 00-0042	EA	Gas Protection Module	10.66	4.12
27 32 19 00-0043	EA	Terminating Boxes, Outside With 3 Element Protectors, Per Pair	16.21	3.76

27 32 26 Ring-Down Emergency Telephones *(27 32)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 32 26 00-0001		Emergency Telephone *(27 32 26)* Note: Standard features include: CB3000 speakerphone, 3 auxiliary Inputs, 2 auxiliary outputs, phone line surge suppressor, analog telephone connection, 70w area light with blue beacon, high power strobe, lighted faceplate, 110VAC power, ultra weather resistant finish, vandal resistant hardware, UV resistant Lens, dome vent; flat area for directory, access control or other options; 12.75" diameter/8'-6" height, 1/4" thick steel construction, foundation anchor kit, ADA compliant.		
27 32 26 00-0002	EA	Code Blue 1-Standard Emergency Telephone Pedestal Unit (CB 1-s) Note: Includes IA4100 FP1 analog speakerphone with single red “Push For Help” button, “Push For Help” bezel, hard wire phone line, passive vent at top, 24V AC, and standard color.	6,167.36	338.63
27 32 26 00-0003	EA	Code Blue 1-Dual Emergency Telephone Pedestal Unit (CB 1-d) Note: Includes IA4100 FP1 analog speakerphone with single red “Push For Help” button, “Push For Help” bezel, blank stainless steel plate second opening, hard wire phone line, passive vent at top, 24V AC, and standard color.	6,465.97	338.63
27 32 26 00-0004	EA	Analog Speakerphone With Black “Info” Button And Red "Push For Help" Button Code Blue Option (Code Blue IA4100 FP2)	99.54	
27 32 26 00-0005	EA	Analog Speakerphone With Black “Call” Button, Keypad And Red "Push For Help" Button Code Blue Option (Code Blue IA4100 FP2-K)	149.31	
27 32 26 00-0006	EA	IP Speakerphone With Single Red “Push For Help” Button Code Blue Option (Code Blue IP5000 FP1)	373.27	
27 32 26 00-0007	EA	IP Speakerphone With Back “Info” Button And Red “Push For Help” Button Code Blue Option (Code Blue IP5000 FP2)	507.64	
27 32 26 00-0008	EA	IP Speakerphone With Black “Call” Button, Keypad And Red "Push For Help" Button Code Blue Option (Code Blue IP5000 FP2-K)	557.41	
27 32 26 00-0009	EA	EMERGENCY (Raised Letters With Braille) Main Bezel Code Blue Option	9.95	
27 32 26 00-0010	EA	EMERGENCY/EMERGENCIA (Raised Letters With Braille) Main Bezel Code Blue Option	9.95	
27 32 26 00-0011	EA	Directory, Second Opening Code Blue Option	89.58	
27 32 26 00-0012	EA	Camera Enclosure With Color IP Camera, Second Opening Code Blue Option	945.61	
27 32 26 00-0013	EA	HID Card Reader, Second Opening Code Blue Option	437.97	
27 32 26 00-0014	EA	HID Card Reader And Color IP Camera, Second Opening Code Blue Option	1,418.42	
27 32 26 00-0015	EA	IP Wireless Communication Code Blue Option Note: 802.11g or secure mesh 5.8. (system UPS backup or unit Night Charge recommended). IP5000 VoIP Speakerphone option must be ordered when selecting IP Wireless Communications. Requires Base Unit(s) and site survey.	2,981.16	
27 32 26 00-0016	EA	Active Venting Code Blue Option	159.26	
27 32 26 00-0017	EA	Night Charge Power Code Blue Option Note: Requires 120V AC external power supplied to Code Blue unit.	1,388.55	
27 32 26 00-0018	EA	Power Transformer Kit, Alternate Incoming Power Code Blue Option	348.38	
27 32 26 00-0019	EA	Overhead Camera Mount Code Blue Option Note: Excludes camera.	791.33	
27 32 26 00-0020	EA	Custom Color For Overhead Camera Mount Code Blue Option	34.84	
27 32 26 00-0021		City Police Call System *(27 32 26)*		
27 32 26 00-0022		Components *(27 32 26 00-0021)*		
27 32 26 00-0023	EA	City Police Call System	486.38	95.96
27 32 26 00-0024	EA	Concrete Foundation For Police Department Telephone Post	455.06	138.99

27 40 Audio-Video Communications *(27)*

27 41 Audio-Video Systems *(27 40)*

27 41 16 Integrated Audio-Video Systems and Equipment *(27 41)*

Note: Includes testing of new devices and certification.

27 41 16 00-0001		Television Distribution System *(27 41 16)* See CSI section 26 05 13 00-0001 for basic wiring, 26 05 19 16-0261 for basic wiring.		
27 41 16 00-0002		Television Support System *(27 41 16 00-0001)*		
27 41 16 00-0003	EA	Ceiling Mounted Television Support, 19" To 20"	292.64	92.32
27 41 16 00-0004	EA	Ceiling Mounted Television Support, 19" To 20" With Rack	370.32	103.03
27 41 16 00-0005	EA	Ceiling Mounted Television Support, 25" To 27"	303.69	92.32
27 41 16 00-0006	EA	Ceiling Mounted Television Support, 25" To 27" With Rack	381.37	103.03
27 41 16 00-0007	EA	Wall Mounted Television Support, 13"	231.25	74.19
27 41 16 00-0008	EA	Wall Mounted Television Support, 13" With Rack	308.93	82.43
27 41 16 00-0009	EA	Wall Mounted Television Support, 19" To 20"	245.75	74.19
27 41 16 00-0010	EA	Wall Mounted Television Support, 19" To 20" With Rack	323.43	82.43
27 41 16 00-0011	EA	Wall Mounted Television Support, 25" To 27"	260.25	74.19
27 41 16 00-0012	EA	Wall Mounted Television Support, 25" To 27" With Rack	337.93	82.43
27 41 16 00-0013		Distribution System *(27 41 16 00-0001)* See CSI section 26 05 13 00-0001 for wire and cabling.		
27 41 16 00-0014		TV Distribution Rack *(27 41 16 00-0013)*		
27 41 16 00-0015	EA	Steel Rack Cabinet With Shelves	935.47	151.33
27 41 16 00-0016	EA	Switch And Pilot Light	161.43	67.23
27 41 16 00-0017	LF	Surface Raceway With Outlets	19.72	9.13
27 41 16 00-0018	EA	Service Label	24.03	12.59
27 41 16 00-0019		Head End Amplifier *(27 41 16 00-0013)*		
27 41 16 00-0020	EA	Head End Amplifier	624.04	100.73

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 41 16 00-0021		**UHF In-Line Booster Amplifier And Power Supply** *(27 41 16 00-0013)*		
27 41 16 00-0022	EA	UHF In-Line Booster	379.69	100.73
27 41 16 00-0023		**Preamplifiers** *(27 41 16 00-0013)*		
27 41 16 00-0024	EA	VHF Preamplifier	465.73	100.73
27 41 16 00-0025	EA	UHF Preamplifier	379.69	100.73
27 41 16 00-0026		**Power Supplies** *(27 41 16 00-0013)*		
27 41 16 00-0027	EA	Common Power Supply	665.33	143.92
27 41 16 00-0028		**Line Splitter And Mixer** *(27 41 16 00-0013)*		
27 41 16 00-0029	EA	Line Splitter	65.22	33.58
27 41 16 00-0030	EA	Two-Way Splitter	72.07	33.58
27 41 16 00-0031	EA	Frequency Filter	151.18	50.44
27 41 16 00-0032	EA	Line Splitter And Mixer	198.45	74.07
27 41 16 00-0033		**Power Line Filters** *(27 41 16 00-0013)*		
27 41 16 00-0034	EA	120-Volt Power Supply Line Filter	281.88	67.23
27 41 16 00-0035		**Wall Box And Receiver Outlets** *(27 41 16 00-0013)*		
27 41 16 00-0036	EA	Wall Box With Lockable Cover, Excluding Outlet Plug	151.18	50.44
27 41 16 00-0037	EA	TV Receiver Outlet Plug	72.07	33.58
27 41 16 00-0038	EA	TV Camera Outlet Plug	72.07	33.58
27 41 16 00-0039	EA	Audio Outlet Plug	63.49	33.58
27 41 16 00-0040	EA	12 Ft RG 6U Cable With G-59 And TV Set Fittings	131.31	67.23
27 41 16 00-0041	EA	Male Plug PL-259	72.07	33.58
27 41 16 00-0042	EA	Wall Box And Receiver Outlet Television Outlets	88.04	35.22
27 41 16 00-0043		**Metal And Electric Shop Antenna Systems** *(27 41 16)*		
27 41 16 00-0044		**Antenna** *(27 41 16 00-0043)*		
27 41 16 00-0045	EA	Amateur Radio Antenna	592.36	123.44
27 41 16 00-0046	EA	Multi-Band Radio Antenna	469.10	123.44
27 41 16 00-0047		**Receptacles** *(27 41 16 00-0043)*		
27 41 16 00-0048	EA	Amateur Radio Antenna System Receptacle With Mating Plugs And Adapter	142.58	50.44
27 41 16 00-0049	EA	Multi-Band Radio Antenna System Receptacle With Mating Plugs	142.58	50.44

27 50 Distributed Communications And Monitoring Systems *(27)*

27 51 Distributed Audio-Video Communications Systems *(27 50)*

27 51 33 Sound Reinforcement *(27 51)*

Note: Includes testing of new devices and certification.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 51 33 00-0001		**Amplifiers** *(27 51 33)*		
27 51 33 00-0002	EA	10 Watt PA/Paging System Amplifier, 70 Volt (Bogen C10)	321.04	82.43
27 51 33 00-0003	EA	35 Watt PA/Paging System Amplifier, 70 Volt (Bogen C35)	438.11	82.43
27 51 33 00-0004	EA	60 Watt PA/Paging System Amplifier, 70 Volt (Bogen C60)	513.26	82.43
27 51 33 00-0005	EA	100 Watt PA/Paging System Amplifier, 70 Volt (Bogen 100)	566.88	82.43
27 51 33 00-0006	EA	150 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS150)	696.80	82.43
27 51 33 00-0007	EA	250 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS250)	891.08	82.43
27 51 33 00-0008	EA	Rack Mount Kit For PA/Paging System Amplifiers (Bogen GSRPK)	35.74	4.13
27 51 33 00-0009		**Speakers** *(27 51 33)*		
27 51 33 00-0010	EA	8", 5 Watt Recessed Ceiling Mounted Speaker With Transformer And Baffle (Atlas Sound FD72W)	136.41	22.05
27 51 33 00-0011	EA	8" Steel Baffle (Atlas Sound 51-8)	40.14	4.12
27 51 33 00-0012	EA	T-Bar Support (Atlas Sound EZ95-8)	44.23	4.12
27 51 33 00-0013	EA	8" Cylindrical Enclosure With Undercoating (Atlas Sound Q408)	66.14	4.12
27 51 33 00-0014	EA	Plate Mounted 10 Watt Attenuator With Priority Relay (Atlas Sound AT10-PA)	65.64	7.41
27 51 33 00-0015		**Accessories** *(27 51 33)*		
27 51 33 00-0016	EA	Microphone And Stand For Audio/Video System (Bogen MBS-1000A)	169.27	10.30
27 51 33 00-0017	EA	Tape Deck For Audio/Video System	123.23	10.30
27 51 33 00-0018	EA	5 Disk CD Player For Audio/Video System (Bogen DCM290-P)	374.21	10.30
27 51 33 00-0019	EA	Weather Proof Horn For Audio/Video System (Bogen SPT5A)	103.41	20.61
27 51 33 00-0020	EA	Trumpet Driver And Line Matching Transformer For Audio/Video System	183.13	20.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 51 33 00-0021	EA	Headset Microphone For Audio/Video System	136.50	20.58
27 51 33 00-0022	EA	Microphone Jack For Audio/Video System	68.47	20.61
27 51 33 00-0023	EA	Terminal Cabinet For Audio/Video System	535.09	82.43
27 51 33 00-0024	EA	Volume Control For Audio/Video System (Bogen AT10A)	65.89	20.61

27 51 33 00-0025 Remove And Reinstall Speakers *(27 51 33)*
Note: Includes storage, cleaning and supply materials.

27 51 33 00-0026	EA	Remove And Reinstall Ceiling Mounted Speaker	115.21	

27 52 Healthcare Communications And Monitoring Systems *(27 50)*

27 52 23 Nurse Call/Code Blue Systems *(27 52)*

27 52 23 00-0001 Wireless Equipment Nurses Call Systems *(27 52 23)*
Note: Includes all mounting hardware, batteries, cable and connections. Telectronic.

27 52 23 00-0002 Wireless Nurses Call System *(27 52 23 00-0001)*

27 52 23 00-0003	EA	NurseCall Main Unit (Rechargeable Battery Included); NCM2	4,483.80	
27 52 23 00-0004	EA	NurseCall Main Unit (Rechargeable Battery Included) 300+ Transmitters; NCM2S	5,026.12	
27 52 23 00-0005	EA	NurseCall Local Unit (Rechargeable Battery Included), Quantity 1-5 Units; NCL2	3,141.41	
27 52 23 00-0006	EA	NurseCall Local Unit (Rechargeable Battery Included), Quantity 6-10 Units; NCL2	2,557.48	
27 52 23 00-0007	EA	NurseCall Local Unit (Rechargeable Battery Included), Quantity 11-15 Units; NCL2	2,303.48	
27 52 23 00-0008	EA	NurseCall Local Unit (Rechargeable Battery Included), Quantity 16+ Units; NCL2	2,049.40	
27 52 23 00-0009	EA	Resident Bed Station With Relay; N45	522.29	
27 52 23 00-0010	EA	Bed Push Button For Use With N45 (9'); RB13-9	255.70	
27 52 23 00-0011	EA	Pull Cord Replacement For S35; S35PC	18.72	
27 52 23 00-0012	EA	Wall Mount Pull-Cord Transmitter/Mounting Hardware - Auto Supervision; S35S	373.87	
27 52 23 00-0013	EA	Wall Mount Pull-Cord Transmitter/Mounting Hardware - Assist Tone; S35A	373.87	
27 52 23 00-0014	EA	Remote Reset Button; S35R	363.37	
27 52 23 00-0015	EA	Waterproof Wrist Transmitter (Automatic Supervision); S37	254.20	
27 52 23 00-0016	EA	Wrist Band Replacement For S37; S37WB	23.22	
27 52 23 00-0017	EA	Locate 1 Waterproof Wrist Transceiver; S37L	309.67	
27 52 23 00-0018	EA	Locate 1 Beacon; IS75	984.01	
27 52 23 00-0019	EA	Wireless Smoke Detector Transmitter; SD35	635.17	
27 52 23 00-0020	EA	Wireless Door Contact Transmitter; RAC35	498.74	
27 52 23 00-0021	EA	Wireless Time Controlled Door Contact; RAC45	498.74	
27 52 23 00-0022	EA	Local Receiver With Relay (110 Volt AC); LE9	612.68	
27 52 23 00-0023	EA	Voice Response Unit (Rechargeable Battery Included); S10	1,046.84	
27 52 23 00-0024	EA	Alarm Receiving Unit (Rechargeable Battery Included); ARU	2,067.36	
27 52 23 00-0025	EA	NurseCall Programming Software; NPS	5,651.43	
27 52 23 00-0026	EA	NurseCall Printer Interface; NCPI	1,929.20	
27 52 23 00-0027	EA	NurseCall Computer Center (Includes NurseCall Software, PC, Monitor, Printer And UPS); NCCN	9,909.16	
27 52 23 00-0028	EA	9V NiMH Rechargeable Battery (Replacement For S10, NCM2, And NCL2); NMH9R	46.83	
27 52 23 00-0029	EA	6V Lithium Battery (Replacement For S35 And RAC35); LIT6	42.33	
27 52 23 00-0030	EA	9V Alkaline Battery (Replacement For N45); ALK9	21.35	
27 52 23 00-0031	EA	Giant LED Single Sided Display; NCGD	9,744.53	
27 52 23 00-0032	EA	Serial Printer; NCSP	1,019.73	
27 52 23 00-0033	EA	Modular Duplex T-Adapter (Replacement For S10); SE-486A	21.72	
27 52 23 00-0034	EA	AC Adapter (Replacement For S10); STA-4110A	39.71	
27 52 23 00-0035	EA	S10 Phone Cord (Replacement For S10); STC	21.72	
27 52 23 00-0036	EA	Waveware Paging System, Use With NCCN (Dell Computer); SPS-5	4,374.11	
27 52 23 00-0037	EA	Waveware Pagers; DAP-040	615.35	

27 52 23 00-0038 Wireless Nurses Call Tele/Management System *(27 52 23 00-0001)*

27 52 23 00-0039	EA	Tele/Management Unit; TP12	2,547.00	
27 52 23 00-0040	EA	Tele/Management Software; TP12S	2,318.93	

27 52 23 00-0041 Wireless Nurses Call Paging System *(27 52 23 00-0001)*

27 52 23 00-0042	EA	Standard Paging System (2.5 Watt Transmitter); RPE673	7,277.08	
27 52 23 00-0043	EA	Replacement Antenna For RPE673; RPE673AN	508.04	
27 52 23 00-0044	EA	Replacement Power For RPE673; RPE673PS	678.95	
27 52 23 00-0045	EA	Alphanumeric Pager; RPR583	827.37	
27 52 23 00-0046	EA	Replacement Holster For RPR583; RPR583H	47.94	

27 52 23 00-0047 Equipment Nurses Call Systems *(27 52 23)*

27 52 23 00-0048	EA	Nurses Call System, Page/Talk Relay Intercommunication Equipment	168.50	42.80
27 52 23 00-0049	EA	Nurses Call System, Main Equipment Panel Intercommunication Equipment	1,683.92	171.17
27 52 23 00-0050	EA	Nurses Call System, Re-Entrant Horn Intercommunication Equipment	182.25	55.96
27 52 23 00-0051	EA	Nurses Call System, Nurses Control Station Intercommunication Equipment	915.58	164.58
27 52 23 00-0052	EA	Nurses Call System, Duty Station Intercommunication Equipment	446.21	128.38
27 52 23 00-0053	EA	Nurses Call System, Staff Station Intercommunication Equipment	223.65	42.80
27 52 23 00-0054	EA	Nurses Call System, Single Bedside Station Intercommunication Equipment	212.75	42.80
27 52 23 00-0055	EA	Nurses Call System, Double Bedside Station Intercommunication Equipment	329.11	74.89
27 52 23 00-0056	EA	Nurses Call System, Emergency Call Button Intercommunication Equipment	102.57	32.91
27 52 23 00-0057	EA	Nurses Call System, Pull Cord Button Intercommunication Equipment	95.55	32.91
27 52 23 00-0058	EA	Nurses Call System, Single Dome Light Intercommunication Equipment	68.30	21.40

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 52 23 00-0059	EA	Nurses Call System, Double Dome Light Intercommunication Equipment	99.57	32.91
27 52 23 00-0060	EA	Nurses Call System, Pillow Speaker Intercommunication Equipment	140.69	21.40
27 52 23 00-0061	EA	Nurses Call System, Cord Set Intercommunication Equipment	73.58	21.40
27 52 23 00-0062	EA	Nurse Call System, Master-20 Station	3,379.39	164.58
27 52 23 00-0063	EA	Dukane Duty Station - Tone Only, PC1000	592.18	128.46

27 53 Distributed Systems *(27 50)*

27 53 13 Clock Systems *(27 53)*

27 53 13 00-0001 Wired Self-Corrective Clock Systems *(27 53 13)*

27 53 13 00-0002 Wired Self-Corrective Clocks *(27 53 13 00-0001)*

27 53 13 00-0003 Analog, Wired Self-Corrective Clocks (Telecor) *(27 53 13 00-0002)*

27 53 13 00-0004 24 Volt AC, Analog, Wired Self-Corrective Clocks *(27 53 13 00-0003)*

27 53 13 00-0005	EA	12", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	181.44	20.58
		For >50 To 100, Deduct	*-11.77*	
		For >100, Deduct	*-17.38*	
27 53 13 00-0006	EA	12", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount	431.84	20.58
		For >50 To 100, Deduct	*-21.79*	
		For >100, Deduct	*-37.41*	
27 53 13 00-0007	EA	16", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	227.61	20.58
		For >50 To 100, Deduct	*-15.48*	
		For >100, Deduct	*-22.94*	
27 53 13 00-0008	EA	16", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount	570.36	20.58
		For >50 To 100, Deduct	*-59.08*	
		For >100, Deduct	*-80.25*	

27 53 13 00-0009 120 Volt AC, Analog, Wired Self-Corrective Clocks *(27 53 13 00-0003)*

27 53 13 00-0010	EA	12", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	181.44	20.58
		For >50 To 100, Deduct	*-11.77*	
		For >100, Deduct	*-17.38*	
27 53 13 00-0011	EA	12", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount	431.84	20.58
		For >50 To 100, Deduct	*-21.79*	
		For >100, Deduct	*-37.41*	
27 53 13 00-0012	EA	16", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	227.61	20.58
		For >50 To 100, Deduct	*-15.48*	
		For >100, Deduct	*-22.94*	
27 53 13 00-0013	EA	16", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount	570.36	20.58
		For >50 To 100, Deduct	*-59.08*	
		For >100, Deduct	*-80.25*	

27 53 13 00-0014 Accessories For Analog Wired Self-Corrective Clocks *(27 53 13 00-0003)*

27 53 13 00-0015	EA	Wire Guards For 12", 15" Or 16" Analog Wired Self-Corrective Clocks	149.33	10.28
27 53 13 00-0016	EA	Back Box For 10", 12" Or 15" Flush Mount Analog Wired Self-Corrective Clocks	38.34	10.28
27 53 13 00-0017	EA	Surface Mounting Rings For 12" Analog Wired Self-Corrective Clocks	48.56	10.28
27 53 13 00-0018	EA	Surface Mounting Rings For 15" Analog Wired Self-Corrective Clocks	59.21	10.28
27 53 13 00-0019	EA	Combination Back Box For Speaker And Clock	87.49	16.46

27 53 13 00-0020 Digital, Wired Self-Corrective Clocks (Telecor) *(27 53 13 00-0002)*

27 53 13 00-0021 24 Volt AC, Digital, Wired Self-Corrective Clocks *(27 53 13 00-0020)*

27 53 13 00-0022	EA	2.5", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount	224.06	20.58
		For Surface Mount, Add	*36.58*	
		For >50 To 100, Deduct	*-10.98*	
		For >100, Deduct	*-18.29*	
27 53 13 00-0023	EA	4", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount	344.82	20.58
		For Surface Mount, Add	*60.74*	
		For >50 To 100, Deduct	*-18.22*	
		For >100, Deduct	*-30.37*	

27 53 13 00-0024 120 Volt AC, Digital, Wired Self-Corrective Clocks *(27 53 13 00-0020)*

27 53 13 00-0025	EA	2.5", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount	224.06	20.58
		For Surface Mount, Add	*36.58*	
		For >50 To 100, Deduct	*-10.98*	
		For >100, Deduct	*-18.29*	
27 53 13 00-0026	EA	4", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount	344.82	20.58
		For Surface Mount, Add	*60.74*	
		For >50 To 100, Deduct	*-18.22*	
		For >100, Deduct	*-30.37*	

27 53 13 00-0027 Replacement Modules For 24 Volt AC, Digital, Wired Self-Corrective Clocks *(27 53 13 00-0020)*

27 53 13 00-0028	EA	2.5", Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks	191.65	20.58
		For >50 To 100, Deduct	*-9.03*	
		For >100, Deduct	*-15.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 00-0029	EA	4" Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks	315.52	20.58
		For >50 To 100, Deduct	*-16.46*	
		For >100, Deduct	*-27.44*	
27 53 13 00-0030		Replacement Modules For 120 Volt AC, Digital, Wired Self-Corrective Clocks *(27 53 13 00-0020)*		
27 53 13 00-0031	EA	2.5", Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks	191.65	20.58
		For >50 To 100, Deduct	*-9.03*	
		For >100, Deduct	*-15.05*	
27 53 13 00-0032	EA	4" Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks	315.52	20.58
		For >50 To 100, Deduct	*-16.46*	
		For >100, Deduct	*-27.44*	
27 53 13 00-0033		Accessories For Digital Wired Self-Corrective Clocks *(27 53 13 00-0020)*		
27 53 13 00-0034	EA	Wire Guard For 4" Surface Mount Analog Wired Self-Corrective Clocks	203.50	10.28
27 53 13 00-0035	EA	2.5", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks	48.99	10.28
27 53 13 00-0036	EA	4", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks	67.64	10.28
27 53 13 00-0037	EA	Dual Mounting Kit For Surface Mount Digital Wired Self-Corrective Clocks	177.75	10.28
27 53 13 00-0038	EA	4 Gang Extension Ring For Surface Mount Digital Wired Self-Corrective Clocks	50.33	10.28
27 53 13 00-0039		Wired Self-Corrective Master Clocks *(27 53 13 00-0001)*		
27 53 13 00-0040		Wired Self-Corrective Master Clocks *(27 53 13 00-0039)*		
27 53 13 00-0041	EA	24 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-24)	2,101.51	164.58
27 53 13 00-0042	EA	120 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-120)	2,234.71	164.58
27 53 13 00-0043		Accessories For Wired Self-Corrective Master Clocks *(27 53 13 00-0039)*		
27 53 13 00-0044	EA	5 Amp Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2405)	216.83	41.14
27 53 13 00-0045	EA	10 Amp Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2406)	244.79	41.14
27 53 13 00-0046		Other Clock And Program Systems *(27 53 13)*		
27 53 13 00-0047	EA	4 Circuit Master Clock And Signal Control (Lathem LTR4-512)	1,032.79	82.30
27 53 13 00-0048	EA	8 Circuit Master Clock And Signal Control (Lathem LTR8-512)	1,279.69	164.58
27 53 13 00-0049	EA	Program Bell (Lathem 906-6)	165.90	41.14
27 53 13 00-0050	EA	Combination Clock And Speaker	381.13	102.86

END OF SECTION 27

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

28 Electronic Safety And Security

Note: Termination costs are included with all safety and security equipment, panel boards, and devices. Terminations are not included with patch panels.

28 05 Common Work Results For Electronic Safety And Security *(28)*

28 05 13 Conductors And Cables For Electronic Safety And Security *(28 05)*

28 05 13 13 CCTV Communications Conductors And Cables *(28 05 13)*

See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 14 00 00-0000 for conductors and cables.

28 05 13 16 Access Control Communications Conductors And Cables *(28 05 13)*

See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 14 00 00-0000 for conductors and cables.

28 05 13 19 Intrusion Detection Communications Conductors And Cables *(28 05 13)*

See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 14 00 00-0000 for conductors and cables, 28 05 13 23-0000 for Type FPLP.

28 05 13 23 Fire Alarm Communications Conductors And Cables *(28 05 13)*

28 05 13 23-0001 Fire Alarm/Life Safety Cable *(28 05 13 23)*

28 05 13 23-0002 Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable *(28 05 13 23-0001)*

28 05 13 23-0003 Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit *(28 05 13 23-0002)*

28 05 13 23-0004	MLF	1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,543.68	559.91
28 05 13 23-0005	MLF	2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,982.22	580.16
28 05 13 23-0006	MLF	1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,761.87	636.44
28 05 13 23-0007	MLF	2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,468.64	659.16
28 05 13 23-0008	MLF	1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,039.27	712.49
28 05 13 23-0009	MLF	2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,051.31	738.16
28 05 13 23-0010	MLF	1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,691.31	814.70
28 05 13 23-0011	MLF	2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	4,272.38	843.74

28 05 13 23-0012 Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed *(28 05 13 23-0002)*

28 05 13 23-0013	MLF	1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,476.88	1,119.99
28 05 13 23-0014	MLF	2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,949.16	1,160.32
28 05 13 23-0015	MLF	1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,822.61	1,273.06
28 05 13 23-0016	MLF	2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,567.24	1,318.32
28 05 13 23-0017	MLF	1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,226.74	1,425.30
28 05 13 23-0018	MLF	2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,281.58	1,476.32
28 05 13 23-0019	MLF	1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,049.13	1,629.38
28 05 13 23-0020	MLF	2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	5,678.76	1,687.81

28 05 13 23-0021 Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit *(28 05 13 23-0001)*

28 05 13 23-0022	MLF	2/c #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	896.46	458.20
28 05 13 23-0023	MLF	4/c #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	986.37	474.50
28 05 13 23-0024	MLF	2/c #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,088.59	559.91
28 05 13 23-0025	MLF	3/c #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,182.68	570.03
28 05 13 23-0026	MLF	4/c #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,236.86	580.16
28 05 13 23-0027	MLF	6/c #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,421.08	600.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 05 13 23-0028	MLF	8/c #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,692.48	620.65
28 05 13 23-0029	MLF	2/c #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,283.58	636.44
28 05 13 23-0030	MLF	4/c #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,489.14	659.16
28 05 13 23-0031	MLF	2/c #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,506.83	712.49
28 05 13 23-0032	MLF	4/c #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,835.84	738.16
28 05 13 23-0033	MLF	2/c #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,883.14	814.70
28 05 13 23-0034	MLF	4/c #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,423.63	843.74
28 05 13 23-0035		Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable *(28 05 13 23-0001)*		
28 05 13 23-0036		Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit *(28 05 13 23-0035)*		
28 05 13 23-0037	MLF	2/c #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	886.01	458.20
28 05 13 23-0038	MLF	2/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,081.80	559.91
28 05 13 23-0039	MLF	3/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,248.30	570.03
28 05 13 23-0040	MLF	4/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,255.03	580.16
28 05 13 23-0041	MLF	6/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,515.91	600.40
28 05 13 23-0042	MLF	2/c #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,273.32	636.44
28 05 13 23-0043	MLF	4/c #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,512.16	659.16
28 05 13 23-0044	MLF	2/c #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,460.65	712.49
28 05 13 23-0045	MLF	4/c #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,019.37	738.16
28 05 13 23-0046	MLF	2/c #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,868.05	814.70
28 05 13 23-0047	MLF	4/c #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,702.25	843.74
28 05 13 23-0048		Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed *(28 05 13 23-0035)*		
28 05 13 23-0049	MLF	2/c #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	1,649.68	916.74
28 05 13 23-0050	MLF	2/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,015.00	1,119.99
28 05 13 23-0051	MLF	3/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,197.95	1,139.75
28 05 13 23-0052	MLF	4/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,221.97	1,160.32
28 05 13 23-0053	MLF	6/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,516.58	1,200.65
28 05 13 23-0054	MLF	2/c #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,334.06	1,273.06
28 05 13 23-0055	MLF	4/c #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,610.76	1,318.32
28 05 13 23-0056	MLF	2/c #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,648.12	1,425.30
28 05 13 23-0057	MLF	4/c #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,249.64	1,476.32
28 05 13 23-0058	MLF	2/c #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,225.87	1,629.38
28 05 13 23-0059	MLF	4/c #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,108.63	1,687.81
28 05 13 23-0060		Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable *(28 05 13 23-0001)*		
28 05 13 23-0061		Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit *(28 05 13 23-0060)*		
28 05 13 23-0062	MLF	2/c #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	929.03	458.20
28 05 13 23-0063	MLF	2/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,112.52	559.91
28 05 13 23-0064	MLF	3/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,362.34	570.03
28 05 13 23-0065	MLF	4/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,286.47	580.16
28 05 13 23-0066	MLF	6/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,548.06	600.40
28 05 13 23-0067	MLF	2/c #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,343.93	636.44

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 05 13 23-0068	MLF	4/c #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,544.82	659.16
28 05 13 23-0069	MLF	2/c #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,612.94	712.49
28 05 13 23-0070	MLF	4/c #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,943.01	738.16
28 05 13 23-0071	MLF	2/c #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,980.74	814.70
28 05 13 23-0072	MLF	4/c #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,470.41	843.74

28 05 13 23-0073 Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed *(28 05 13 23-0060)*

28 05 13 23-0074	MLF	2/c #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	1,692.70	916.74
28 05 13 23-0075	MLF	2/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,045.72	1,119.99
28 05 13 23-0076	MLF	3/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,311.99	1,139.75
28 05 13 23-0077	MLF	4/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,253.41	1,160.32
28 05 13 23-0078	MLF	6/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,548.73	1,200.65
28 05 13 23-0079	MLF	2/c #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,404.67	1,273.06
28 05 13 23-0080	MLF	4/c #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,643.42	1,318.32
28 05 13 23-0081	MLF	2/c #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,800.41	1,425.30
28 05 13 23-0082	MLF	4/c #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,173.28	1,476.32
28 05 13 23-0083	MLF	2/c #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,338.56	1,629.38
28 05 13 23-0084	MLF	4/c #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,876.79	1,687.81

28 05 26 Grounding And Bonding For Electronic Safety And Security *(28 05)*

See CSI section 26 05 26 00-0000 for grounding and bonding.

28 05 28 Pathways For Electronic Safety And Security *(28 05)*

28 05 28 29 Hangers And Supports For Electronic Safety And Security *(28 05 28)*

See CSI section 26 05 29 00-0000 for hangers and supports.

28 05 28 33 Conduits And Backboxes For Electronic Safety And Security *(28 05 28)*

See CSI section 26 05 33 13-0000 for conduits.

28 05 28 36 Cable Trays For Electronic Safety And Security *(28 05 28)*

See CSI section 26 05 36 00-0000 for cable trays.

28 05 28 39 Surface Raceways For Electronic Safety And Security *(28 05 28)*

See CSI section 26 05 33 23-0000 for surface raceways.

28 05 53 Identification For Electronic Safety And Security *(28 05)*

See CSI section 26 05 53 00-0000 for identification.

28 10 Electronic Access Control And Intrusion Detection *(28)*

Note: Includes testing of new devices and certification.

28 13 Access Control *(28 10)*

28 13 33 Access Control Interfaces *(28 13)*

28 13 33 16 Access Control Interfaces to Access Control Hardware *(28 13 33)*

28 13 33 16-0001 Stand Alone Access Controls *(28 13 33 16)*

28 13 33 16-0002 Push Button Controls, Stand Alone Access Controls *(28 13 33 16-0001)*

28 13 33 16-0003 Interior Mount, Push Button Controls, Stand Alone Access Controls *(28 13 33 16-0002)*

28 13 33 16-0004	EA	Exit Push Button, Push Button Controls, Interior Stand Alone Access Controls Note: Controls mount to a standard mullion.	77.14	20.58
28 13 33 16-0005	EA	Exit Push Button, Push Button Controls, Interior Stand Alone Access Controls Note: Controls mount into a single gang electrical box. Excludes electrical box.	80.14	20.58
28 13 33 16-0006	EA	Three Button, Push Button Controls, Interior Stand Alone Access Controls For Gate Operators Note: Controls mount into a single gang electrical box. Excludes electrical box.	97.39	20.58

28 13 33 16-0007 Exterior Mount, Push Button Controls, Stand Alone Access Controls *(28 13 33 16-0002)*

Note: Includes a lockable, gasketed 16 gauge steel enclosure. Excludes mounting posts.

28 13 33 16-0008	EA	Handicap/Push To Open, Push Button Controls, Exterior Stand Alone Access Controls Note: Controls mount into a single gang electrical box. Excludes electrical box.	93.14	20.58
28 13 33 16-0009	EA	42" High Aluminum Post With Handicap/Push To Open, Push Button Controls, Exterior Stand Alone Access Controls Note: Includes post, mounting base and push button control. Excludes concrete foundation.	422.44	61.72
28 13 33 16-0010	EA	Three Button, Exterior Stand Alone Access Controls For Gate Operators Note: Includes open, close and stop controls.	142.39	20.58

28 13 33 16-0011 Key Controls, Stand Alone Access Controls *(28 13 33 16-0001)*

28 13 33 16-0012 Interior Mount, Key Controls, Stand Alone Access Controls *(28 13 33 16-0011)*

28 13 33 16-0013	EA	Standard Mortise Key, Key Controls, Interior Stand Alone Access Controls Note: Controls mount into a single gang electrical box. Excludes electrical box.	103.02	20.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 13 33 16-0014		Exterior Mount, Key Controls, Stand Alone Access Controls *(28 13 33 16-0011)* Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 13 33 16-0015	EA	Postal Or Fire Department Lock Box, Key Controls, Exterior Stand Alone Access Controls Note: Opens door or gate with a postal or fire department key.	164.80	41.14
28 13 33 16-0016	EA	Standard Mortise Key, Key Controls, Exterior Stand Alone Access Controls	244.30	41.14
28 13 33 16-0017	EA	Ace Key, Key Controls, Exterior Stand Alone Access Controls	244.30	41.14
28 13 33 16-0018	EA	Standard Mortise Key And Push Button Intercom, Key Controls, Exterior Stand Alone Access Controls	358.30	41.14
28 13 33 16-0019		Keypad Controls, Stand Alone Access Controls *(28 13 33 16-0001)*		
28 13 33 16-0020		Interior Mount, Keypad Controls, Stand Alone Access Controls *(28 13 33 16-0019)*		
28 13 33 16-0021	EA	One Code Memory, Keypad Control, Interior Stand Alone Access Controls Note: Stores one 4-digit entry code and one 4-digit hold code. Controls mount into a single gang electrical box. Excludes electrical box.	138.64	20.58
28 13 33 16-0022		Exterior Mount, Keypad Controls, Stand Alone Access Controls *(28 13 33 16-0019)* Note: Includes a surface mounted lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 13 33 16-0023		Keypad Controls, Exterior Stand Alone Access Controls *(28 13 33 16-0022)*		
28 13 33 16-0024	EA	1000 Code Memory, Keypad Control, Exterior Stand Alone Access Controls Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes.	577.08	82.30
		For Flush Mount, Add	*92.81*	
28 13 33 16-0025		Keypad Controls With Push Button Intercom, Exterior Stand Alone Access Controls *(28 13 33 16-0022)* Note: Includes intercom sub-station. Excludes additional receiving intercoms.		
28 13 33 16-0026	EA	1000 Code Memory, Keypad Controls With Push Button Intercom, Exterior Stand Alone Access Controls Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes.	695.16	92.58
		For Flush Mount, Add	*114.75*	
28 13 33 16-0027		RF Controls, Stand Alone Access Controls *(28 13 33 16-0001)*		
28 13 33 16-0028		Exterior Mount, RF Controls, Stand Alone Access Controls *(28 13 33 16-0027)* Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.		
28 13 33 16-0029		RF Receivers, RF Controls, Exterior Stand Alone Access Controls *(28 13 33 16-0028)* Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.		
28 13 33 16-0030	EA	50 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls	367.08	82.30
28 13 33 16-0031	EA	100 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls	407.58	82.30
28 13 33 16-0032	EA	250 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls	446.58	82.30
28 13 33 16-0033	EA	500 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls	488.58	82.30
28 13 33 16-0034	EA	1000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls	527.58	82.30
28 13 33 16-0035	EA	5000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls	569.58	82.30
28 13 33 16-0036	EA	16000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls	608.58	82.30
28 13 33 16-0037		RF Transmitters, RF Controls, Exterior Stand Alone Access Controls *(28 13 33 16-0028)*		
28 13 33 16-0038	EA	1 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls	25.50	
		For >40 To 110, Deduct	*-1.28*	
		For >110, Deduct	*-2.55*	
		For Built In Proximity Tags, Add	*5.10*	
28 13 33 16-0039	EA	2 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls	27.00	
		For >40 To 110, Deduct	*-1.35*	
		For >110, Deduct	*-2.70*	
		For Built In Proximity Tags, Add	*5.40*	
28 13 33 16-0040	EA	3 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls	28.50	
		For >40 To 110, Deduct	*-1.43*	
		For >110, Deduct	*-2.85*	
		For Built In Proximity Tags, Add	*5.70*	
28 13 33 16-0041		Accessories For RF Receivers, Exterior Stand Alone Access Controls *(28 13 33 16-0028)*		
28 13 33 16-0042	EA	Coax Antenna Kit For RF Receivers, Exterior Stand Alone Access Controls Note: Includes 15' of coax cable.	159.44	61.72
28 13 33 16-0043	EA	Antenna Amplifier For RF Receivers, Exterior Stand Alone Access Controls Note: Includes 20' of coax cable.	273.44	61.72
28 13 33 16-0044	EA	Yagi High-Gain Antenna Kit For RF Receivers, Exterior Stand Alone Access Controls Note: Includes 15' of coax cable.	252.44	61.72
28 13 33 16-0045		Proximity Card Controls, Stand Alone Access Controls *(28 13 33 16-0001)*		
28 13 33 16-0046		Exterior Mount, Proximity Card Controls, Stand Alone Access Controls *(28 13 33 16-0045)* Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 13 33 16-0047		DKS Proximity Card Controls, Exterior Stand Alone Access Controls *(28 13 33 16-0046)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 13 33 16-0048		DKS Proximity Card Readers, Exterior Stand Alone Access Controls *(28 13 33 16-0047)*		
28 13 33 16-0049	EA	DKS Proximity Card Reader, Exterior Stand Alone Access Controls	652.08	82.30
28 13 33 16-0050		AWID Proximity Card Controls, Exterior Stand Alone Access Controls *(28 13 33 16-0046)*		
28 13 33 16-0051		AWID Proximity Card Readers, Exterior Stand Alone Access Controls *(28 13 33 16-0050)*		
28 13 33 16-0052	EA	AWID Proximity Card Reader, Exterior Stand Alone Access Controls	704.58	82.30
28 13 33 16-0053		HID Proximity Card Controls, Exterior Stand Alone Access Controls *(28 13 33 16-0046)*		
28 13 33 16-0054		HID Proximity Card Readers, Exterior Stand Alone Access Controls *(28 13 33 16-0053)*		
28 13 33 16-0055	EA	HID Proximity Card Reader, Exterior Stand Alone Access Controls	824.58	82.30
28 13 33 16-0056		Magnetic Stripe Card Controls, Stand Alone Access Controls *(28 13 33 16-0001)*		
28 13 33 16-0057		Interior Mount, Magnetic Stripe Card Controls, Stand Alone Access Controls *(28 13 33 16-0056)*		
28 13 33 16-0058	EA	Magnetic Stripe Reader, Interior Stand Alone Access Controls	412.08	82.30
28 13 33 16-0059		Exterior Mount, Magnetic Stripe Card Controls, Stand Alone Access Controls *(28 13 33 16-0056)* Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 13 33 16-0060	EA	Magnetic Stripe Reader, Exterior Stand Alone Access Controls	496.78	82.30
28 13 33 16-0061		Other Stand Alone Access Controls *(28 13 33 16-0001)*		
28 13 33 16-0062	EA	Toggle Switch, Interior Access Controls For Gate Operators Note: Controls mount into a single gang electrical box. Excludes electrical box.	74.89	20.58
28 13 33 16-0063		Wiegand Output Access Controls *(28 13 33 16)* Note: Excludes controllers.		
28 13 33 16-0064		Proximity Card Controls, Wiegand Output Access Controls *(28 13 33 16-0063)*		
28 13 33 16-0065		DKS, Proximity Card Controls, Wiegand Output Access Controls *(28 13 33 16-0064)*		
28 13 33 16-0066		DKS, Proximity Cards *(28 13 33 16-0065)*		
28 13 33 16-0067	EA	Clamshell Type, DKS Proximity Card (DKS 170)	3.99	
28 13 33 16-0068	EA	ISO Compliant Graphics Card, DKS Proximity Card (DKS 80)	6.58	
28 13 33 16-0069	EA	DKS Proximity Key Fob (DKS 50)	6.93	
28 13 33 16-0070	EA	Active Tag, DKS Proximity Tag (DKS 150) Note: Battery powered tag to boost signal.	39.20	
28 13 33 16-0071	EA	Active Tag, DKS Proximity Tag (DKS 200) Note: Battery powered tag to boost signal.	51.10	
28 13 33 16-0072		DKS, Proximity Card Readers, Wiegand Output Access Controls *(28 13 33 16-0065)*		
28 13 33 16-0073	EA	Up To 2" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Small)	285.53	102.86
28 13 33 16-0074	EA	Up To 3" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Mullion)	285.53	102.86
28 13 33 16-0075	EA	Up To 4" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Single Gang)	285.53	102.86
28 13 33 16-0076	EA	Up To 30" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS) Note: Includes mounting bracket and 12 VDC regulated power supply.	659.33	102.86
28 13 33 16-0077		AWID, Proximity Card Controls, Wiegand Output Access Controls *(28 13 33 16-0064)*		
28 13 33 16-0078		AWID, Proximity Cards *(28 13 33 16-0077)*		
28 13 33 16-0079	EA	Clamshell Type, AWID Proximity Card (AWID Prox-Linc CS)	3.36	
28 13 33 16-0080	EA	ISO Compliant Graphics Card, AWID Proximity Card (AWID Prox-Linc GR)	5.25	
28 13 33 16-0081	EA	AWID Proximity Key Fob (AWID Prox-Linc KT)	5.60	
28 13 33 16-0082	EA	Windshield Tag For LR 2000 Readers, AWID Proximity Tag	19.60	
28 13 33 16-0083	EA	Metal Mount Tag For LR 2000 Readers, AWID Proximity Tag	19.60	
28 13 33 16-0084		AWID, Proximity Card Readers, Wiegand Output Access Controls *(28 13 33 16-0077)*		
28 13 33 16-0085	EA	Up To 4" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID SR 2400) Note: For mullion mounting.	331.73	102.86
28 13 33 16-0086	EA	Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6800) Note: For mullion mounting.	432.53	102.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 13 33 16-0087	EA	Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6820)	432.53	102.86
		Note: For single gang electrical box mounting.		
28 13 33 16-0088	EA	Up To 24" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MR 1824)	660.73	102.86
		Note: Includes 12 VDC regulated power supply.		
28 13 33 16-0089	EA	Up To 11' Read Range, 12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID LR 2000)	3,399.13	102.86
		Note: Includes mounting bracket and 12 VDC regulated power supply.		
28 13 33 16-0090		HID, Proximity Card Controls, Wiegand Output Access Controls *(28 13 33 16-0064)*		
28 13 33 16-0091		HID, Proximity Cards *(28 13 33 16-0090)*		
28 13 33 16-0092	EA	Clamshell Type, HID Proximity Card (HID ProxCard II)	10.23	
28 13 33 16-0093	EA	ISO Compliant Graphics Card, HID Proximity Card (HID ISOProx II)	12.75	
28 13 33 16-0094	EA	HID Proximity Key Fob (HID ProxKey II)	13.03	
28 13 33 16-0095		HID, Proximity Card Readers, Wiegand Output Access Controls *(28 13 33 16-0090)*		
28 13 33 16-0096	EA	Up To 3" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ProxPoint Plus)	328.47	102.86
		Note: For mullion mounting. (HID P/N 6005).		
28 13 33 16-0097	EA	Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ThinLine II)	378.07	102.86
		Note: For single gang electrical box mounting. (HID P/N 5395).		
28 13 33 16-0098	EA	Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID MiniProx)	415.26	102.86
		Note: For mullion mounting. (HID P/N 5365).		
28 13 33 16-0099	EA	EntryProx Single-Door Proximity Access Control	515.69	102.86
		Note: (HID P/N 4045) Stores up to 2,000 users and 1,000 time-stamped transactions 12 position keypad for Pin entry or programming optional use with card/key fob, code only or card plus pin code Wiegand output mode. Continental Instrument CICR2358P.		
28 13 33 16-0100		Contactless Smart Card Controls, Wiegand Output Access Controls *(28 13 33 16-0063)*		
28 13 33 16-0101		HID, Contactless Smart Cards *(28 13 33 16-0100)*		
28 13 33 16-0102	EA	2K Bits, Clamshell Type, HID iClass, Contactless Smart Card	6.16	
28 13 33 16-0103	EA	16K Bits, ISO Compliant Graphics Card, HID iClass, Contactless Smart Card	6.72	
28 13 33 16-0104	EA	16K Bits, Contactless Smartcard Key Fob, HID iClass, Contactless Smart Card	8.80	
28 13 33 16-0105	EA	16K Bits, Contactless Smartcard Tag, HID iClass, Contactless Smart Card	4.76	
		Note: Battery powered tag to boost signal.		
28 13 33 16-0106		HID, Contactless Smart Card Readers, Wiegand Output Access Controls *(28 13 33 16-0100)*		
28 13 33 16-0107	EA	Up To 3-1/4" Read Range, 5-16 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R10)	316.83	102.86
		Note: For mullion mounting.		
28 13 33 16-0108	EA	Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R40)	409.23	102.86
		Note: For mullion mounting.		
28 13 33 16-0109	EA	Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader With Keypad, Wiegand Output Access Controls (HID RK40)	617.13	102.86
		Note: For mullion mounting.		
28 13 33 16-0110		HID, Contactless Smart Card Programmer, Wiegand Output Access Controls *(28 13 33 16-0100)*		
28 13 33 16-0111	EA	HID iClass Contactless Smart Card Programmer, Wiegand Output Access Controls (HID CP400)	1,786.43	102.86
		Note: For mullion mounting.		
28 13 33 16-0112		Call Station Controls, Wiegand Output Access Controls *(28 13 33 16-0063)*		
		Note: Includes intercom sub-station. Excludes additional receiving intercoms.		
28 13 33 16-0113	EA	Call Station With Entry Keypad, Exterior Wiegand Output Access Controls	745.73	102.86
		Note: For mullion mounting.		
28 13 33 16-0114	EA	Call Station With Proximity Card Reader, Exterior Wiegand Output Access Controls	633.23	102.86
		Note: For mullion mounting.		
28 13 33 16-0115		Biometrics Readers, Wiegand Output Access Controls *(28 13 33 16-0063)*		
28 13 33 16-0116	EA	Palm Reader Recognition System, Biometrics Readers, Wiegand Output Access Controls	3,090.53	82.30
28 13 33 16-0117	EA	CCD Camera, Face Image, Biometrics Readers, Wiegand Output Access Controls	3,762.88	82.30
28 13 33 16-0118	EA	Video Grabber Card For DFR Reader, Biometrics Readers, Wiegand Output Access Controls	1,516.06	82.30
28 13 33 16-0119	EA	Fingerprint Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Pass)	929.08	82.30
28 13 33 16-0120	EA	Fingerprint Reader With HID Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Prox)	1,028.08	82.30
28 13 33 16-0121	EA	Fingerprint Reader With Contactless Smart Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Smart)	929.08	82.30

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 13 33 16-0122		Exterior Mounting Posts For Gate Operator Access Controls *(28 13 33 16)* Note: Includes mounting plate for access controls, baked on enamel finish and mounting bolt covers. Excludes concrete pads and electrical connections.		
28 13 33 16-0123		2" x 2" Steel, Exterior Mounting Posts For Gate Operator Access Controls *(28 13 33 16-0122)*		
28 13 33 16-0124	EA	44" Tall, Gooseneck Style, Single Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes a 5" x 5" base plate.	194.66	17.07
28 13 33 16-0125	EA	73" Tall, Gooseneck Style, Dual Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes an 8" x 8" base plate.	371.66	17.07
28 13 33 16-0126	EA	Anchor Post For 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.	176.66	17.07
28 13 33 16-0127		4" x 4" Steel, Exterior Mounting Posts For Gate Operator Access Controls *(28 13 33 16-0122)*		
28 13 33 16-0128	EA	59" Tall, Straight Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls Note: Includes an 8" x 8" base plate.	343.16	17.07
28 13 33 16-0129	EA	49" Tall, Offset Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls Note: Includes an 8" x 8" base plate and a 14" offset from back of post.	409.16	17.07
28 13 33 16-0130	EA	Anchor Post For 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.	251.66	17.07
28 13 33 16-0131		4" x 8" Steel, Exterior Mounting Posts For Gate Operator Access Controls *(28 13 33 16-0122)*		
28 13 33 16-0132	EA	59" Tall, Straight Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes a 11" x 13" base plate.	1,106.66	17.07
28 13 33 16-0133	EA	50" Tall, Offset Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes a 10" x 14" base plate and a 14" offset from back of post.	1,159.16	17.07
28 13 33 16-0134	EA	Anchor Post For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.	476.66	17.07
28 13 33 16-0135	EA	48" Light Tower For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls	761.66	17.07
28 13 33 16-0136		Access Control Accessories *(28 13 33 16)*		
28 13 33 16-0137	EA	Modem: Multitech, Mt2834L	1,285.32	
28 13 33 16-0138	EA	6 Volt DC, 12 Volt DC, Or 24 Volt DC, @ 4 Amps, Power Supply/Charger (Altronix SMP-5)	345.39	
28 13 33 16-0139	EA	12 Volt, 7 Amp, Battery	42.86	
28 13 33 16-0140	EA	12 Volt, 18 Amp, Battery	95.53	
28 13 33 16-0141	EA	Door Personality Module (Sensormatic RM-4)	374.42	20.58
28 13 33 16-0142	EA	Mini-Alert Door Ajar Sounder (System Sensor PA400)	163.80	41.14
28 13 33 16-0143	EA	Recessed Contact For Steel Doors, Door Monitor Switch (Sentrol 1078C)	60.49	24.69
28 13 33 16-0144	EA	Access Control Systems Power Supply (Altronix AL400ULACMCB)	398.53	16.46
28 13 33 16-0145	EA	Surge Suppressor (Tripp-Lite IBAR4)	60.91	4.13
28 13 33 16-0146	EA	Door Strike Relay (Altronix RBSN-TTL)	49.17	16.46
28 13 33 16-0147		Access Controllers *(28 13 33 16)*		
28 13 33 16-0148		Microterm Controller *(28 13 33 16-0147)*		
28 13 33 16-0149	EA	Microterm Stand Alone One Or Two Door Processing Panel (Continental Instruments CICP1100) Note: Up to 1,000 card capacity. Includes 2 alarm inputs, tamper alarm, and 3 relay outputs.	968.03	102.86
28 13 33 16-0150	EA	Microterm PC Board (Continental Instruments CICP1100PCB)	684.89	61.72
28 13 33 16-0151	EA	Battery Standby For Microterm (Continental Instruments CICP1100BAT-2) Note: Input 120VAC, output 12VDC to temporarily power the Microterm only.	317.27	
28 13 33 16-0152		Miniterm Controller *(28 13 33 16-0147)*		
28 13 33 16-0153	EA	Miniterm Two Reader Processing Panel (Continental Instrument CICP1200) Note: Up to 3,000 card capacity. Includes 8 EOL Class A supervised alarm inputs, temper alarm, and 5 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.	1,491.38	102.86
28 13 33 16-0154	EA	Miniterm PC Board (Continental Instrument CICP1200PCB)	1,112.65	61.72
28 13 33 16-0155		Super-2 Controller *(28 13 33 16-0147)*		
28 13 33 16-0156	EA	Super-Two - Two Reader Processing Panel (Continental Instruments CICP1300) Note: For use with CA3000 V2.0.25 and above. Up to a 125,000 card capacity, 8 EOL supervised alarm inputs, tamper, 5 relay outputs. Support for on-board LAN adapter, 57,600 baud rate, 6 access groups per card-holder and compressed data mode. Complete in a lockable steel enclosure with battery standby for memory and system operation.	1,115.11	102.86
28 13 33 16-0157	EA	Super-Two - PC Board (Continental Instruments CICP1300BD)	753.04	61.72
28 13 33 16-0158	EA	Network Interface Board For Super-2 (Continental Instruments CICP1300NETBD) Note: Optional on-board adapter allows for communication over TCP/IP.	220.30	61.72
28 13 33 16-0159		Smarterm Controller *(28 13 33 16-0147)*		
28 13 33 16-0160	EA	Smarterm Four Reader Processing Panel (Continental Instrument CICP1400) Note: Card capacity up to 2,500. Includes 16 alarm inputs, tamper alarm, and 9 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.	3,093.86	123.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 13 33 16-0161	EA	Smarterm PC Board (Continental Instrument CICP1400PCB)	2,359.50	61.72
28 13 33 16-0162	EA	Smarterm Memory Board - 256K (Continental Instrument CICP1400MB256-1) Note: Up to 10,000 cardholders.	928.11	61.72
28 13 33 16-0163	EA	Smarterm Memory Board - 2MB (Continental Instrument CICP1400MB2-1) Note: Up to 50,000 cardholders.	1,312.58	61.72
28 13 33 16-0164	EA	Smarterm Relay Expander Board (Continental Instrument CICP1400RB) Note: 16 Output relays, 8 alarm inputs.	1,024.48	61.72
28 13 33 16-0165	EA	Smarterm Alarm Expander Board (Continental Instrument CICP1400RB) Note: (Supervised) 16 alarm inputs.	1,024.48	61.72
28 13 33 16-0166		Superterm-4 Controller *(28 13 33 16-0147)*		
28 13 33 16-0167	EA	Superterm-4 - Four Reader Processing Panel (Continental Instrument CICP1400UL) Note: 20,000 card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.	2,859.24	123.44
28 13 33 16-0168	EA	Superterm-4 PC Board (Continental Instrument CICP1400ULPCB)	2,320.06	61.72
28 13 33 16-0169		Superterm-8 Controller *(28 13 33 16-0147)*		
28 13 33 16-0170	EA	Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICP1800) Note: Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.	3,822.32	205.73
28 13 33 16-0171	EA	Superterm-8 - Eight Reader Processing Panel, Expanded Power (Continental Instrument CICP1800EXP) Note: With expanded power supply. (required if more than 1 relay expander board is used.) Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.	4,142.72	205.73
28 13 33 16-0172	EA	Superterm-8 PC Board (Continental Instrument CICP1800PCB)	3,118.56	61.72
28 13 33 16-0173		Turbo Superterm-4 Controller *(28 13 33 16-0147)*		
28 13 33 16-0174	EA	Turbo Superterm-4 - Four Reader Processing Panel (Continental Instrument CICP1400ULT) Note: 20,000 Card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.	2,859.24	123.44
28 13 33 16-0175	EA	Turbo Superterm-4 PC Board (Continental Instrument CICP1400ULTPCB)	2,320.06	61.72
28 13 33 16-0176		Turbo Superterm-8 Controller *(28 13 33 16-0147)*		
28 13 33 16-0177	EA	Turbo Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICP1800T) Note: For use with CA3000 V2.0.25 and above. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.	3,822.32	205.73
28 13 33 16-0178	EA	Turbo Superterm-8 -Eight Reader Processing Panel, Expanded Power (Continental Instrument CICP1800TEXP) Note: Required if more than one relay expander board is used. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.	4,142.72	205.73
28 13 33 16-0179	EA	Turbo Superterm-8 PC Board (Continental Instrument CICP1800TPCB)	3,118.56	61.72
28 13 33 16-0180	EA	Superterm Memory Board - 2MB (Continental Instrument CICP1800MB2) Note: Up to 140,000 cardholders.	1,312.58	61.72
28 13 33 16-0181	EA	Turbo/Superterm-8 Memory Board - 2MB (Continental Instrument CICP1800MB2X2) Note: Up to 140,000 cardholders.	1,107.52	61.72
28 13 33 16-0182	EA	Turbo Superterm-8 Relay Expander Board (Continental Instrument CICP1800RB) Note: 16 Output relays, 8 alarm inputs.	1,025.52	61.72
28 13 33 16-0183	EA	Turbo Superterm-8 Alarm Expander Board (Continental Instrument CICP1800RB) Note: (Supervised) 16 Alarm inputs.	1,025.52	61.72
28 13 33 16-0184	EA	Expanded Power Supply For Superterm Or Turbo Superterm (Continental Instrument CICPEXPPWS)	410.97	
28 13 33 16-0185		Access Control Bundled System *(28 13 33 16)*		
28 13 33 16-0186	EA	CA 3000 Bundled System, Supports 25 Users (Continental Instrument CA3B250P4O3V0R0) Note: System includes PC, monitor, keyboard, mouse, OS, Card Access 3000 file server software, MS SQL 2000, 1 SQL host license, and security key.	20,494.20	
28 13 33 16-0187		Magnetic Locks *(28 13 33 16)* Note: Excludes access controls.		
28 13 33 16-0188		Magnetic Door Locks *(28 13 33 16-0187)*		
28 13 33 16-0189		300 LB Magnetic Door Locks *(28 13 33 16-0188)*		
28 13 33 16-0190	EA	Single Door, Surface Mount, 300 LB Magnetic Door Lock	343.08	82.30
28 13 33 16-0191		600 LB Magnetic Door Locks *(28 13 33 16-0188)*		
28 13 33 16-0192	EA	Single Door, Surface Mount, 600 LB Magnetic Door Lock	466.83	82.30
		For LED Status Indicator And Signal Relay, Add	*37.78*	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	*75.56*	
		For Mortise Mount, Deduct	*-60.45*	
28 13 33 16-0193	EA	Dual Doors, Surface Mount, 600 LB Magnetic Door Lock	670.08	82.30
		For LED Status Indicator And Signal Relay, Add	*63.19*	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	*126.38*	
28 13 33 16-0194		1,200 LB Magnetic Door Locks *(28 13 33 16-0188)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 13 33 16-0195	EA	Single Door, Surface Mount, 1,200 LB Magnetic Door Lock	485.58	82.30
		For LED Status Indicator And Signal Relay, Add	*73.83*	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	*96.30*	
28 13 33 16-0196	EA	Dual Doors, Surface Mount, 1,200 LB Magnetic Door Lock	710.58	82.30
		For LED Status Indicator And Signal Relay, Add	*125.58*	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	*163.80*	
28 13 33 16-0197		2,000 LB Shear Lock, Magnetic And Mechanical Locks *(28 13 33 16-0188)*		
		Note: Includes LED status indicator and built-in signal relay.		
28 13 33 16-0198	EA	Single Door, Mortise Mount, 2,000 LB Shear Lock, Magnetic And Mechanical Door Lock	505.83	82.30
28 13 33 16-0199		Magnetic Gate Locks *(28 13 33 16-0187)*		
28 13 33 16-0200		600 LB Magnetic Gate Locks *(28 13 33 16-0199)*		
28 13 33 16-0201	EA	600 LB Magnetic Gate Lock	392.58	82.30
28 13 33 16-0202		1,200 LB Magnetic Gate Locks *(28 13 33 16-0199)*		
28 13 33 16-0203	EA	1,200 LB Magnetic Gate Lock	460.83	82.30
		For LED Status Indicator And Signal Relay, Add	*37.03*	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	*74.06*	
		For Mortise Mount, Deduct	*-59.25*	
28 13 33 16-0204		Magnetic Lock Power Supply And Chargers *(28 13 33 16-0187)*		
		Note: Includes lockable metal enclosure, batteries, battery charger and electronically regulated outputs.		
28 13 33 16-0205	EA	12/24 Volt DC At 1 Amp, Magnetic Lock Backup Power Supply And Charger	305.26	82.30
28 13 33 16-0206	EA	12/24 Volt DC At 2-1/2 Amp, Magnetic Lock Backup Power Supply And Charger	373.26	82.30
28 13 33 16-0207	EA	12 Volt DC At 4 Amp And 24 Volt DC At 3 Amp, Magnetic Lock Backup Power Supply And Charger	413.26	82.30
28 13 33 16-0208	EA	12/24 Volt DC At 6 Amp, Magnetic Lock Backup Power Supply And Charger	505.26	82.30
28 13 33 16-0209		Master Door Buzzer Stations *(28 13 33 16)*		
28 13 33 16-0210		Master Stations *(28 13 33 16-0209)*		
28 13 33 16-0211	EA	Master Stations, 5 Station Intercommunication Equipment	653.00	128.38
28 13 33 16-0212	EA	Master Stations, 10 Station Intercommunication Equipment	1,007.30	248.52
28 13 33 16-0213	EA	Master Station, Desk Style Remote Intercommunication Equipment	284.84	64.18
28 13 33 16-0214	EA	Master Station, Flush Wall Remote Intercommunication Equipment	376.35	106.98
28 13 33 16-0215	EA	Sound System Outlet, Protector	103.38	41.88
28 13 33 16-0216	EA	Sound System Microphone Outlet	186.69	85.75
28 13 33 16-0217	EA	Sound System Speaker Ceiling Or Wall	131.69	41.88
28 13 33 16-0218	EA	Sound System Monitor Panel	367.50	85.75
28 13 33 16-0219	EA	Sound System Volume Control	116.43	41.88
28 13 33 16-0220	EA	Sound System Amplifier 250 W	1,674.92	342.91
28 13 33 16-0221	EA	Sound System Cabinet	1,045.19	342.91
28 13 33 16-0222		Master Door Stations *(28 13 33 16-0209)*		
28 13 33 16-0223	EA	Master Door Stations, Button Buzzer Type, 25 Station	1,594.44	
		For Intercom Type Master Door Station, Add	*108.76*	
28 13 33 16-0224	EA	Master Door Stations, Button Buzzer Type, 50 Station	2,644.60	
		For Intercom Type Master Door Station, Add	*176.19*	
28 13 33 16-0225	EA	Master Door Stations, Button Buzzer Type, 75 Station	3,642.68	
		For Intercom Type Master Door Station, Add	*228.39*	
28 13 33 16-0226	EA	Master Door Stations, Button Buzzer Type, 100 Station	4,157.37	
		For Intercom Type Master Door Station, Add	*267.54*	
28 13 33 16-0227	EA	Master Door Stations, Button Buzzer Type, 150 Station	4,978.85	
		For Intercom Type Master Door Station, Add	*391.53*	
28 13 33 16-0228	EA	Master Door Stations, Button Buzzer Type, 200 Station	5,796.73	
		For Intercom Type Master Door Station, Add	*504.64*	
28 13 33 16-0229	EA	Master Door Stations, Button Buzzer Type, 250 Station	7,280.13	
		For Intercom Type Master Door Station, Add	*652.55*	
28 13 33 16-0230	EA	Master Door Stations, Button Buzzer Type, 300 Station	8,728.43	
		For Intercom Type Master Door Station, Add	*748.25*	
28 13 33 16-0231	EA	Transformer	110.58	
28 13 33 16-0232	EA	Door Opener	164.02	
28 13 33 16-0233	EA	Buzzer With Door Release And Plate	205.18	
28 13 33 16-0234	EA	Amplifier For Intercom Type Unit	311.98	
28 13 33 16-0235	EA	Speaker With Door Release	134.14	
28 13 53		**Security Access Detection** *(28 13)*		
28 13 53 13		**Security Access Metal Detectors** *(28 13 53)*		
28 13 53 13-0001	EA	Hand-Held Metal Detector	212.80	20.58
28 13 53 13-0002	EA	Walk-Through Metal Detector, Complete Unit	4,991.27	329.17

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

28 20 Electronic Surveillance *(28)*

Note: Includes testing of new devices and certification.

28 23 Video Surveillance *(28 20)*

28 23 00 00-0001 Closed Circuit Television And Surveillance Systems (Vicon) *(28 23)*

Note: Includes a 3 year manufacturer's warranty. Use Vicon replacement models, "or equal", when the listed models are superseded.

28 23 00 00-0002 Vicon CCTV Factory Project Management Program *(28 23 00 00-0001)*

Note: For first time installations at a facility.

28 23 00 00-0003	EA	Factory Project Management Program For 1 To 20 Camera System Vicon CCTV Installation Support Note: Includes two site visits by a Vicon technical representative. First site visit to generate punch list and 2nd site visit for final inspection and training.	3,499.80	
28 23 00 00-0004	EA	Factory Project Management Program For 21 To 40 Camera System Vicon CCTV Installation Support Note: Includes two site visits by a Vicon technical representative. First site visit to generate punch list and 2nd site visit for final inspection and training.	4,374.75	
28 23 00 00-0005	EA	Factory Project Management Program For >40 Camera System Vicon CCTV Installation Support Note: Includes three site visits by a Vicon technical representative. First site visit during installation commencement, 2nd to generate punch list, and 3rd site visit for final inspection and training.	5,249.70	

28 23 00 00-0006 Digital Video Transport And Storage Systems *(28 23 00 00-0001)*

28 23 00 00-0007 Kollector Pro Digital Recorders *(28 23 00 00-0006)*

28 23 00 00-0008	EA	2-Port KVM Switch Note: Allows control of two Kollectors from one keyboard, mouse, and monitor. Vicon model VTK-205l.	126.18	9.24
28 23 00 00-0009	EA	16-Channel Digital Recorder, 30 fps, 160 GB HDD Note: Kollector Pro, Preloaded ViconNet Version 3. Vicon model KPX30-160.	4,048.05	20.61
28 23 00 00-0010	EA	16-Channel Digital Recorder, 30 fps, 160 GB HDD Note: Kollector Pro, Preloaded ViconNet Version 3. 16 x 4 Analog video matrix. Vicon model KPX30M-160.	4,336.79	20.61
28 23 00 00-0011	EA	16-Channel Digital Recorder, 30 fps, 320 GB HDD Note: Kollector Pro, Preloaded ViconNet Version 3. Vicon model KPX30-320.	4,501.63	20.61
28 23 00 00-0012	EA	16-Channel Digital Recorder, 30 fps, 320 GB HDD Note: Kollector Pro, Preloaded ViconNet Version 3. 16 x 4 Analog Video Matrix. Vicon model KPX30M-320.	4,790.36	20.61
28 23 00 00-0013	EA	16-Channel Digital Recorder, 30 fps, 500 GB HDD Note: Kollector Pro, Preloaded ViconNet Version 3. Vicon model KPX30-500.	4,956.25	20.61
28 23 00 00-0014	EA	16-Channel Digital Recorder, 30 fps, 500 GB HDD Note: Kollector Pro, Preloaded ViconNet Version 3. 16 x 4 Analog Video Matrix. Vicon model KPX30M-500.	5,244.99	20.61
28 23 00 00-0015	EA	16-Channel Digital Recorder, 60 fps, 250 GB HDD Note: Kollector Pro, Preloaded ViconNet Version 3. Vicon model KPX60-250.	4,899.55	20.61
28 23 00 00-0016	EA	16-Channel Digital Recorder, 60 fps, 250 GB HDD Note: Kollector Pro, Preloaded ViconNet Version 3. 16 x 4 Analog Video Matrix. Vicon model KPX60M-250.	5,188.29	20.61
28 23 00 00-0017	EA	16-Channel Digital Recorder, 60 fps, 400 GB HDD Note: Kollector Pro, Preloaded ViconNet Version 3. Vicon model KPX60-400.	5,466.52	20.61
28 23 00 00-0018	EA	16-Channel Digital Recorder, 60 fps, 400 GB HDD Note: Kollector Pro, Preloaded ViconNet Version 3. 16 x 4 Analog Video Matrix. Vicon model KPX60M-400.	5,755.26	20.61
28 23 00 00-0019	EA	16-Channel Digital Recorder, 60 fps, 660 GB HDD Note: Kollector Pro, Preloaded ViconNet Version 3. Vicon model KP60-660.	6,034.54	20.61
28 23 00 00-0020	EA	16-Channel Digital Recorder, 60 fps, 660 GB HDD Note: Kollector Pro, Preloaded ViconNet Version 3. 16 x 4 Analog Video Matrix. Vicon model KPX60M-660.	6,323.27	20.61
28 23 00 00-0021	EA	16-Channel Digital Recorder, 120 fps, 250 GB HDD Note: Kollector Pro, Preloaded ViconNet Version 3. Vicon model KPX120-250.	6,091.24	20.61
28 23 00 00-0022	EA	16-Channel Digital Recorder, 120 fps, 250 GB HDD Note: Kollector Pro, Preloaded ViconNet Version 3. 16 x 4 Analog Video Matrix. Vicon model KPX120M-250.	6,379.97	20.61
28 23 00 00-0023	EA	16-Channel Digital Recorder, 120 fps, 500 GB HDD Note: Kollector Pro, Preloaded ViconNet Version 3. Vicon model KPX120-500.	6,942.74	20.61
28 23 00 00-0024	EA	16-Channel Digital Recorder, 120 fps, 500 GB HDD Note: Kollector Pro, Preloaded ViconNet Version 3. 16 x 4 Analog Video Matrix. Vicon model KPX120M-500.	7,231.47	20.61
28 23 00 00-0025	EA	16-Channel Digital Recorder, 120 fps, 900 GB HDD Note: Kollector Pro, Preloaded ViconNet Version 3. Vicon model KPX120-900.	8,077.72	20.61
28 23 00 00-0026	EA	16-Channel Digital Recorder, 120 fps, 900 GB HDD Note: Kollector Pro, Preloaded ViconNet Version 3. 16 x 4 Analog Video Matrix. Vicon model KPX120M-900.	8,366.46	20.61
28 23 00 00-0027	EA	16-Channel Digital Recorder, 120 fps, 1200 GB HDD Note: Kollector Pro, Preloaded ViconNet Version 3. Vicon model KPX120-1200.	8,936.57	20.61
28 23 00 00-0028	EA	16-Channel Digital Recorder, 120 fps, 1200 GB HDD Note: Kollector Pro, Preloaded ViconNet Version 3. 16 x 4 Analog Video Matrix. Vicon model KPX120M-1200.	9,225.31	20.61
28 23 00 00-0029	EA	16-Channel Digital Recorder, 240 fps, 320 GB HDD Note: Kollector Pro, Preloaded ViconNet Version 3. Vicon model KPX240-320.	8,929.22	20.61
28 23 00 00-0030	EA	16-Channel Digital Recorder, 240 fps, 320 GB HDD Note: Kollector Pro, Preloaded ViconNet Version 3. 16 x 4 Analog Video Matrix. Vicon model KPX240M-320.	9,217.96	20.61
28 23 00 00-0031	EA	16-Channel Digital Recorder, 240 fps, 900 GB HDD Note: Kollector Pro, Preloaded ViconNet Version 3. Vicon model KPX240-900.	10,631.18	20.61
28 23 00 00-0032	EA	16-Channel Digital Recorder, 240 fps, 900 GB HDD Note: Kollector Pro, Preloaded ViconNet Version 3. 16 x 4 Analog Video Matrix. Vicon model KPX240M-900.	10,919.91	20.61
28 23 00 00-0033	EA	16-Channel Digital Recorder, 240 fps, 1200 GB HDD Note: Kollector Pro, Preloaded ViconNet Version 3. Vicon model KPX24-1200.	11,482.68	20.61
28 23 00 00-0034	EA	16-Channel Digital Recorder, 240 fps, 1200 GB HDD Note: Kollector Pro, Preloaded ViconNet Version 3. 16 x 4 Analog Video Matrix. Vicon model KPX24M-1200.	11,771.41	20.61

28 23 00 00-0035 Kollector Elite Digital Recorders And Master Workstations *(28 23 00 00-0006)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-0036	EA	16-Channel Digital Recorder, 120 fps, 250 GB Internal HDD Note: Kollector Elite Hybrid digital network video recorder, preloaded ViconNet version 3. 16-Channel audio, 16 x 4 analog video matrix. Vicon model KEX120M-250.	8,587.99	20.61
28 23 00 00-0037	EA	16-Channel Digital Recorder, 120 fps, 500 GB Internal HDD Note: Kollector Elite Hybrid digital network video recorder, preloaded ViconNet version 3. 16-Channel audio, 16 x 4 analog video matrix. Vicon model KEX120M-500.	9,439.50	20.61
28 23 00 00-0038	EA	16-Channel Digital Recorder, 120 fps, 900 GB Internal HDD Note: Kollector Elite Hybrid digital network video recorder, preloaded ViconNet version 3. 16-Channel audio, 16 x 4 analog video matrix. Vicon model KEX120M-900.	10,291.00	20.61
28 23 00 00-0039	EA	16-Channel Digital Recorder, 120 fps, 1200 GB Internal HDD Note: Kollector Elite Hybrid digital network video recorder, preloaded ViconNet version 3. 16-Channel audio, 16 x 4 analog video matrix. Vicon model KEX120M-1200.	11,143.55	20.61
28 23 00 00-0040	EA	16-Channel Digital Recorder, 120 fps, 1600 GB Internal HDD Note: Kollector Elite Hybrid digital network video recorder, preloaded ViconNet version 3. 16-Channel audio, 16 x 4 analog video matrix. Vicon model KEX120M-1600.	12,277.48	20.61
28 23 00 00-0041	EA	16-Channel Digital Recorder, 240 fps, 320 GB Internal HDD Note: Kollector Elite Hybrid digital network video recorder, preloaded ViconNet version 3. 16-Channel audio, 16 x 4 analog video matrix. Vicon model KEX240M-300.	11,000.76	20.61
28 23 00 00-0042	EA	16-Channel Digital Recorder, 240 fps, 660 GB Internal HDD Note: Kollector Elite Hybrid digital network video recorder, preloaded ViconNet version 3. 16-Channel audio, 16 x 4 analog video matrix. Vicon model KEX240M-660.	11,851.21	20.61
28 23 00 00-0043	EA	16-Channel Digital Recorder, 240 fps, 900 GB Internal HDD Note: Kollector Elite Hybrid digital network video recorder, preloaded ViconNet version 3. 16-Channel audio, 16 x 4 analog video matrix. Vicon model KEX240M-900.	12,702.71	20.61
28 23 00 00-0044	EA	16-Channel Digital Recorder, 240 fps, 1200 GB Internal HDD Note: Kollector Elite Hybrid digital network video recorder, preloaded ViconNet version 3. 16-Channel audio, 16 x 4 analog video matrix. Vicon model KEX240M-1200.	13,553.16	20.61
28 23 00 00-0045	EA	16-Channel Digital Recorder, 240 fps, 1600 GB Internal HDD Note: Kollector Elite Hybrid digital network video recorder, preloaded ViconNet version 3. 16-Channel audio, 16 x 4 analog video matrix. Vicon model KEX240M-1600.	14,692.35	20.61
28 23 00 00-0046	EA	16-Channel Digital Recorder, 480 fps, 250 GB Internal HDD Note: Kollector Elite Hybrid digital network video recorder, preloaded ViconNet version 3. 16-Channel audio, 16 x 4 analog video matrix. Vicon model KEX480M-250.	13,726.40	20.61
28 23 00 00-0047	EA	16-Channel Digital Recorder, 480 fps, 1200 GB Internal HDD Note: Kollector Elite Hybrid digital network video recorder, preloaded ViconNet version 3. 16-Channel audio, 16 x 4 analog video matrix. Vicon model KEX480M-1200.	16,138.11	20.61
28 23 00 00-0048	EA	16-Channel Digital Recorder, 480 fps, 1600 GB Internal HDD Note: Kollector Elite Hybrid digital network video recorder, preloaded ViconNet version 3. 16-Channel audio, 16 x 4 analog video matrix. Vicon model KEX480M-1600.	17,301.45	20.61
28 23 00 00-0049		**Kollector Network Servers** *(28 23 00 00-0006)*		
28 23 00 00-0050	EA	Kollector Network Server, 120 fps, 40 GB HD, 4 Sensor Channels Note: 16-Channel networked digital video server, NTSC/EIA and PAL/CCIR. Includes ViconNet software for local viewing of live and recorded video. Windows XP. Vicon model KNS120-40.	4,331.19	20.61
28 23 00 00-0051	EA	Kollector Network Server, 120 fps, 400 GB HD, 4 Sensor Channels Note: 16-Channel networked digital video server, NTSC/EIA and PAL/CCIR. Includes ViconNet software for local viewing of live and recorded video. Windows XP. Vicon model KNS120-400.	5,608.61	20.61
28 23 00 00-0052	EA	Kollector Network Server, 120 fps, 800 GB HD, 4 Sensor Channels Note: 16-Channel networked digital video server, NTSC/EIA and PAL/CCIR. Includes ViconNet software for local viewing of live and recorded video. Windows XP. Vicon model KNS120-800.	7,169.53	20.61
28 23 00 00-0053		**ViconNet IP Video Servers And Camera/Server** *(28 23 00 00-0006)*		
28 23 00 00-0054	EA	ViconNet 1-Channel Video Server Note: Accepts 1 analog video input for transmission over TCP/IP network (30 fps total). Includes ViconNet VN100V3 4-channel viewing software. Vicon model VN-301TV3.	926.58	20.61
28 23 00 00-0055	EA	ViconNet 4-Channel Digital Video Server Note: 120 fps, ViconNet VN100V3 4-channel viewing software. Vicon model KTX-4.	1,652.09	20.61
28 23 00 00-0056	EA	IP Camera/ 4-Channel Digital Video Server Note: 120 fps, ViconNet Version 3.0; audio input/output; power over ethernet capability. Vicon model VN-755IPV3.	1,211.12	20.61
28 23 00 00-0057	EA	Alarm/Audio Accessory Kit For VN-755IP Note: Provides for alarm and audio capability. Vicon model VN-755KIT.	45.57	8.24
28 23 00 00-0058	EA	Double Width Rack Kit For Use With KTX-4 IP Encoder Note: Mounts two (2) KTX-4 encoders in standard 19" rack. Vicon model KX-4-RK2.	123.21	4.90
28 23 00 00-0059		**ViconNet Software Enhancement** *(28 23 00 00-0006)*		
28 23 00 00-0060	EA	Viconnet Software Enhancements For Kollector Elite Recorders Note: Includes ViconNet software released by Vicon within the period of one year from date of purchase. All revisions are approved and released at the sole discretion of the Company. (One user license) Vicon model VN-KE-SE.	1,111.40	
28 23 00 00-0061	EA	Viconnet Software Enhancements For Kollector Pro Recorders Note: Includes ViconNet software released by Vicon within the period of one year from date of purchase. All revisions are approved and released at the sole discretion of the Company. (One user license) Vicon model VN-KPR-SE.	962.93	
28 23 00 00-0062	EA	Viconnet Software Enhancements For Kollector Network Servers Note: Includes ViconNet software released by Vicon within the period of one year from date of purchase. All revisions are approved and released at the sole discretion of the Company. (One user license) Vicon model VN-KN-SE.	722.51	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-0063	EA	Viconnet Software Enhancements For Master Workstations Note: For ViconNet VN1000/5000 master workstations and software. Includes ViconNet software released by Vicon within the period of one year from date of purchase. All revisions are approved and released at the sole discretion of the Company. (One user license) Vicon model VN-SW-1000-SE.	246.03	
28 23 00 00-0064	EA	Viconnet Software Enhancements For 16-Channel Viewer Software Note: For ViconNet VN500. Includes ViconNet software released by Vicon within the period of one year from date of purchase. All revisions are approved and released at the sole discretion of the Company. (One user license) Vicon model VN-SW-500-SE.	73.86	
28 23 00 00-0065		ViconNet Software Maintenance Programs *(28 23 00 00-0006)*		
28 23 00 00-0066	EA	ViconNet Software Maintenance For Kollector Elite Recorders Note: Includes all ViconNet software patches released by Vicon for the original revision within the period of one year from date of purchase. All patches are approved and released at the sole discretion of the Company. (One user license) Vicon model VN-KE-SM.	141.03	
28 23 00 00-0067	EA	ViconNet Software Maintenance For Kollector Pro Recorders Note: Includes all ViconNet software patches released by Vicon for the original revision within the period of one year from date of purchase. All patches are approved and released at the sole discretion of the Company. (One user license) Vicon model VN-KPR-SM.	126.18	
28 23 00 00-0068	EA	ViconNet Software Maintenance For Master Workstations Note: For ViconNet VN1000/5000 master workstations and software. Includes all ViconNet software patches released by Vicon for the original revision within the period of one year from date of purchase. All patches are approved and released at the sole discretion of the Company. (One user license) Vicon model VN-1000-SM.	66.81	
28 23 00 00-0069	EA	ViconNet Software Maintenance For 16-Channel Viewer Note: For ViconNet VN500. Includes all ViconNet software patches released by Vicon for the original revision within the period of one year from date of purchase. All patches are approved and released at the sole discretion of the Company. (One user license) Vicon model VN-500-SM.	37.11	
28 23 00 00-0070		ViconNet Options *(28 23 00 00-0006)*		
28 23 00 00-0071	EA	16-Bay Raid Storage Unit, 16-160 GB Hot Swappable Hard Drives Note: Used with Kollector Elite and Pro Recorders. Provides RAID 3 protection. Vicon model VN-RAID-16-160.	12,772.70	20.61
28 23 00 00-0072	EA	16-Bay Raid Storage Unit, 16-250 GB Hot Swappable Hard Drives Note: Used with Kollector Elite and Pro Recorders. Provides RAID 3 protection. Vicon model VN-RAID-16-250.	15,371.31	20.61
28 23 00 00-0073	EA	Network Switch, 8-Channel LAN Connections Note: 10/100 Autosensing ports. Vicon model NETSWITCH-8.	170.44	13.73
28 23 00 00-0074	EA	Network Switch, 16-Channel LAN Connections Note: 10/100 Autosensing ports. Vicon model NETSWITCH-16.	217.69	13.73
28 23 00 00-0075	EA	Network Switch, 24-Channel LAN Connections Note: 10/100/1000 Autosensing ports. Vicon model NETSWITCH-24.	870.40	13.73
28 23 00 00-0076	EA	Uninterruptible Power Supply, Desk-top, 725 VA/450W Note: USB control port, 120 VAC input/output. Vicon model V725-UPS.	186.19	13.73
28 23 00 00-0077	EA	8-Bay Raid Storage Unit, 8-250 GB Hot Swappable Hard Drives Note: Used with Kollector Elite and Pro Recorders. Provides RAID 3 protection, includes eight 250 GB hot swappable hard drives. Vicon model VN-RAID-8-250.	8,190.07	20.61
28 23 00 00-0078	EA	17" S-VGA Monitor Note: For use with Kollector Elite and Kollector Pro Recorders and VN-NVR Workstation. Vicon model VN-MON.	331.43	13.73
28 23 00 00-0079	EA	17" S-VGA TFT LCD Monitor Note: For use with Kollector Elite and Kollector Pro Recorders and VN-NVR Workstation. Vicon model VN-17FLT.	737.41	13.73
28 23 00 00-0080	EA	PC-To-TV Converter, Self-Powered USB Interface Note: VGA in and VGA out connections, composite and S-video (NTSC) output. Vicon model VGEZ-1000.	162.04	13.73
28 23 00 00-0081		AurorACorD Digital Video Multiplexer And Recorder *(28 23 00 00-0006)*		
28 23 00 00-0082	EA	Digital Video Multiplexer And Recorder, 30 fps, 80 GB HDD Note: Auroracord, 16-Channel, color, duplex, includes floppy drive, and CD drive. Vicon model AURC-FCD80.	2,625.03	20.61
28 23 00 00-0083	EA	Digital Video Multiplexer And Recorder, 30 fps, 160 GB HDD Note: Auroracord, 16-Channel, color, duplex, includes floppy drive, and CD drive. Vicon model AURC-FCD160.	2,772.03	20.61
28 23 00 00-0084	EA	Digital Video Multiplexer And Recorder, 30 fps, 2-160 GB HDDs Note: Auroracord, 16-Channel, color, duplex, includes floppy drive, and CD drive. Vicon model AURC-CD320.	3,144.75	20.61
28 23 00 00-0085	EA	Digital Video Multiplexer And Recorder, 30 fps, 2-250 GB HDDs Note: Auroracord, 16-Channel, color, duplex, includes floppy drive, and CD drive. Vicon model AURC-CD500.	3,571.73	20.61
28 23 00 00-0086		AurorACorD Options *(28 23 00 00-0006)* Note: Also used for AurorA2000.		
28 23 00 00-0087	EA	Remote Keyboard Note: Provides control for up to 16 AurorA 2000 or AurorACorD units and 16 VCRs. Vicon model AUR2K-KBD.	614.92	13.73
28 23 00 00-0088		Digital Video Recorders *(28 23 00 00-0006)*		
28 23 00 00-0089	EA	4-Channel Digital Video Recorder, 120 GB Hard Drive, 30 fps Note: CD/RW, PTZ control, audio, network control and viewing software included. Vicon model VDR-204-12CD.	1,394.85	20.61
28 23 00 00-0090	EA	4-Channel Digital Video Recorder, 300 GB Hard Drive, 30 fps Note: CD/RW, PTZ control, audio, network control and viewing software included. Vicon model VDR-204-30CD.	1,636.34	20.61
28 23 00 00-0091	EA	8-Channel Digital Video Recorder, 300 GB Hard Drive, 30 fps Note: CD/RW, PTZ control, audio, network control and viewing software included. Vicon model VDR-204-30CD.	2,203.31	20.61
28 23 00 00-0092	EA	4-Channel Digital Video Recorder, 500 GB Hard Drive, 30 fps Note: CD/RW, PTZ control, audio, network control and viewing software included. Vicon model VDR-204-50CD.	2,219.06	20.61
28 23 00 00-0093		ViconNet Network Video Recorder Software Version 3.0 *(28 23 00 00-0006)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-0094	EA	ViconNet NVR And Workstation Software Note: For use with ViconNet 3.0 digital recorders, video servers and ViconNet IP cameras. Single PC license. Vicon model VN1000V3	1,494.60	
28 23 00 00-0095	EA	ViconNet Multi-Pack, 10 User License Pack Of VN1000V3 NVR Note: Vicon model VN1000V3-10.	8,470.92	
28 23 00 00-0096	EA	ViconNet 16-Channel Viewer Software, Version 3 Note: Single PC license. Vicon model VN500V3.	648.35	
28 23 00 00-0097	EA	ViconNet 4-Channel Viewer Software, Version 3 Note: Single PC license. Vicon model VN500V3.	213.67	
28 23 00 00-0098	EA	ViconNet-Hirsch Integration Software Note: To use ViconNet on a Hirsch Velocity access control workstation. Vicon model VN-HIRSCH-INT.	4,282.19	
28 23 00 00-0099		Network Video Recorders Version 3.0 *(28 23 00 00-0006)*		
28 23 00 00-0100	EA	Network Video Recorder, 80 GB Internal HDD Storage Note: Preloaded ViconNet Version 3, view, record and configure ViconNet IP devices and recorders. Vicon model VN-NVR-80.	3,622.83	20.61
28 23 00 00-0101	EA	Network Video Recorder, 800 GB Internal HDD Storage Note: Preloaded ViconNet Version 3, view, record and configure ViconNet IP devices and recorders. Vicon model VN-NVR-800.	5,891.75	20.61
28 23 00 00-0102	EA	Network Video Recorder, 1200 GB Internal HDD Storage Note: Preloaded ViconNet Version 3, view, record and configure ViconNet IP devices and recorders. Vicon model VN-NVR-1200.	7,043.53	20.61
28 23 00 00-0103	EA	Network Video Recorder, 1600 GB Internal HDD Storage Note: Preloaded ViconNet Version 3, view, record and configure ViconNet IP devices and recorders. Vicon model VN-NVR-1600.	8,166.97	20.61
28 23 00 00-0104		ViconNet Version 3.0 Compatible Keypads Interface Converter *(28 23 00 00-0006)*		
28 23 00 00-0105	EA	RS-252/RS-422 Interface Converter Note: Required to allow matrix keyboard to work with all PC workstations and Kollector Elites and Pros with older version hardware backpanels (with RJ-45 connectors). Vicon model V422-CONV.	252.52	20.61
28 23 00 00-0106		Cameras And Accessories *(28 23 00 00-0001)*		
28 23 00 00-0107		Camera Dome Systems And Cameras *(28 23 00 00-0106)*		
28 23 00 00-0108		SurveyorVFT 22X High Sensitivity IP Camera Dome Systems *(28 23 00 00-0107)*		
28 23 00 00-0109	EA	Indoor/In-Ceiling, Color Camera Dome Note: Vicon model SVFT-C22. Includes variable-speed drive, in-ceiling metal housing, 22X high-sensitivity high-resolution color camera/lens with ExView technology and smoked lower dome.	2,424.88	120.62
28 23 00 00-0110	EA	Indoor/Pendant, Color Camera Dome Note: Vicon model SVFT-P22. Includes variable-speed drive; pendant upper housing, 22X high-sensitivity high-resolution color camera/lens with ExView technology and smoked lower dome.	2,566.88	127.69
28 23 00 00-0111	EA	Outdoor Camera Dome Note: Vicon model SVFT-W22. Includes variable-speed drive, environmental housing, 22X high-sensitivity high-resolution camera/lens with ExView technology and clear outer dome.	2,636.78	131.16
28 23 00 00-0112		SurveyorVFT 23X Day/Night Camera Dome Systems *(28 23 00 00-0107)*		
28 23 00 00-0113	EA	Indoor In-Ceiling Day/Night Camera Dome Note: Includes variable-speed drive, in-ceiling metal housing, 23X day/night camera/lens with wide dynamic range and smoked lower dome. Vicon model SVFT-C23.	2,637.13	131.16
28 23 00 00-0114	EA	Indoor Pendant Day/Night Camera Dome Note: Includes variable-speed drive, pendant upper housing, 23X day/night camera/lens with wide dynamic range and smoked lower dome. Vicon model SVFT-P23.	2,778.78	138.23
28 23 00 00-0115	EA	Outdoor Day/Night Camera Dome Note: Includes variable-speed drive, environmental housing, 23X high-resolution day/night camera/lens with wide dynamic range and clear outer dome. Vicon model SVFT-W23.	2,848.69	141.70
28 23 00 00-0116		SurveyorVFT 35X Day/Night Camera Dome Systems *(28 23 00 00-0107)* Note: Wide dynamic range and image stabilization camera dome systems.		
28 23 00 00-0117	EA	Outdoor Day/Night Camera Dome Note: Includes variable speed drive, environmental housing, 35X high-resolution day/night camera/lens with wide dynamic range and image stabilization and clear outer dome. Vicon model SVFT-W35.	3,254.12	163.35
28 23 00 00-0118		SurveyorVFT 22X Cost Effective Camera Dome Systems *(28 23 00 00-0107)*		
28 23 00 00-0119	EA	Indoor/In-Ceiling, Color Camera Dome Note: Vicon model SVFT-C22CA. Includes variable-speed drive, housing, 22X high-resolution color camera/lens and smoked lower dome.	1,728.00	85.96
28 23 00 00-0120	EA	Indoor/Pendant, Color Camera Dome Note: Vicon model SVFT-P22CA. Includes variable-speed drive, housing, 22X high-resolution color camera/lens and smoked lower dome.	1,780.44	88.57
28 23 00 00-0121	EA	Outdoor Variable-Speed Color Camera Dome Note: Vicon model SVFT-W22CA. Includes camera drive, environmental housing, 22X high-resolution color camera/lens and clear outer dome.	1,870.00	93.02
28 23 00 00-0122		SurveyorVFT Indoor Lower Dome Options *(28 23 00 00-0107)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-0123	EA	Smoked Lower Dome, For SurveyorVFT Indoor Domes Note: Vicon model SVFT-SMK.	61.17	3.04
28 23 00 00-0124	EA	Chrome Lower Dome, For SurveyorVFT Indoor Domes Note: Vicon model SVFT-CHR.	133.25	6.63
28 23 00 00-0125	EA	Gold Lower Dome, For SurveyorVFT Indoor Domes Note: Vicon model SVFT-GLD.	203.17	10.11
28 23 00 00-0126		**SurveyorVFT Video Transmission Options** *(28 23 00 00-0107)*		
28 23 00 00-0127	EA	Fiber Optic Option, For SurveyorVFT Domes Note: Vicon "F" option. Add -F suffix to any Surveyor VFT dome model number and substitute -30 at the end of the product code. (ex: SVFT-C22 (8701-00) becomes SVFT-C22-F (8701-30)). Use with VF-1400 series fiber receivers only (found in Fiber optic section).	841.07	41.83
28 23 00 00-0128	EA	NVT Twisted Pair Option, For SurveyorVFT Domes Note: Vicon "T" option. Add -T suffix to any Surveyor VFT dome model number and substitute -40 at the end of the product code. (ex: SVFT-C22 (8701-00) becomes SVFT-C22-T (8701-40)).	34.96	1.74
28 23 00 00-0129	EA	ViconNet TCP/IP Option, For SurveyorVFT Domes Note: Vicon "V3" option. Add "V3" suffix to any SurveyorVFT dome model number and substitute -25 at the end of the product code. (ex: SVFT-C22 (8701-00) becomes SVFT-C22-V3 (8701-25)).	805.72	41.83
28 23 00 00-0130		**SurveyorVFT Hardware Options** *(28 23 00 00-0107)*		
28 23 00 00-0131	EA	Upgrade Kit, Converts Non-IP SurveyorVFT Domes To IP Version Note: Vicon model SVFT-IP-UPG.	983.07	48.90
28 23 00 00-0132		**SurveyorVFT Pressurized Camera Dome Systems And Accessories** *(28 23 00 00-0107)*		
28 23 00 00-0133	EA	Wall Mount For SurveyorVFT Pressurized Domes Note: Vicon model SVFT-PR-WMA.	174.77	8.69
28 23 00 00-0134	EA	Pipe Adapter Note: For mounting SurveyorVFT Pressurized Domes to 1-1/2" diameter pipe. Vicon model SVFT-PR-P.	104.86	5.22
28 23 00 00-0135	EA	Fiber Optic Option For SurveyorVFT Pressurized Domes Note: Add -F suffix to any Surveyor VFT Pressurized dome model number and substitute -30 at the end of the product code. (ex: SVFT-PRS23 (8769-00) becomes SVFT-PRS23-F (8769-30)). Use with VF-1400 series fiber receivers only (found in fiber optic section). Vicon model "F" Pressurized Option.	1,583.82	78.79
28 23 00 00-0136	EA	NVT Twisted Pair Option For SurveyorVFT Pressurized Domes Note: Add -T suffix to any Surveyor VFT Pressurized dome model number and substitute -40 at the end of the product code. (ex: SVFT-PRS23 (8769-00) becomes SVFT-PRS23-T (8769-40)). Vicon model "T" Pressurized Option.	34.96	1.74
28 23 00 00-0137	EA	VICONNET TCP/IP Option For SurveyorVFT Pressurized Domes Note: Add "V3-V" suffix to any SurveyorVFT pressurized dome model number and substitute -25 at the end of the product code. Vicon model "V3" Pressurized Option. (ex: SVFT-PRS23 (8769-00) becomes SVFT-PRS23-V3 (8769-25)).	1,150.93	57.26
28 23 00 00-0138	EA	Pressurized Camera Dome Note: Includes variable-speed camera drive, 22X high-resolution color camera with ExView technology and cast aluminum upper housing with clear lower dome. Vicon model SVFT-PRS22E.	3,412.68	182.79
28 23 00 00-0139	EA	Pressurized Camera Dome, Day/Night, 23X High-Resolution Note: Includes variable-speed drive, 23X high-resolution day/night camera with wide dynamic range, cast aluminum upper housing and clear lower dome. Vicon model SVFT-PRS23.	3,608.85	189.30
28 23 00 00-0140	EA	Pressurized Camera Dome, Day/Night, 35X High-Resolution Note: Includes variable-speed drive, 35X high-resolution day/night camera with wide dynamic range and image stabilization, cast aluminum upper housing and clear lower dome. Vicon model SVFT-PRS35.	3,928.03	189.30
28 23 00 00-0141	EA	Pre-Wired Coaxial Cable Note: For use with Surveyor VFT pressurized dome Vicon model SVFT-PRC12.	247.79	
28 23 00 00-0142	EA	Pre-Wired Twisted Pair Cable Note: For use with Surveyor VFT pressurized dome Vicon model SVFT-PRC12T.	268.78	
28 23 00 00-0143		**SurveyorVFT Impact-Resistant Camera Domes And Accessories** *(28 23 00 00-0107)*		
28 23 00 00-0144	EA	Impact-Resistant Camera Dome, 22X High-Resolution Camera Lens Note: Includes variable-speed drive, aluminum upper housing, lower polycarbonate dome and 22X high-resolution color camera/lens. Vicon model SVFT-M22.	2,204.68	109.67
28 23 00 00-0145	EA	Impact-Resistant Camera Dome, 22X High-Resolution Camera Lens Note: Includes variable-speed drive, aluminum upper housing, lower polycarbonate dome and 22X high-sensitivity high-resolution color camera/lens with ExView technology. Vicon model SVFT-M22E.	2,779.42	164.63
28 23 00 00-0146	EA	Impact-Resistant Camera Dome, 23X High-Resolution Camera Lens Note: Includes variable-speed drive, aluminum upper housing, lower polycarbonate dome and 23X high-resolution day/night color camera with wide dynamic range. Vicon model SVFT-M23.	3,002.31	177.84
28 23 00 00-0147	EA	Impact-Resistant Camera Dome, 35X High-Resolution Camera Lens Note: Includes variable-speed drive, aluminum upper housing, lower polycarbonate dome and 35X high-resolution day/night color camera with wide dynamic range and image stabilization. Vicon model SVFT-M35.	3,420.61	202.61
28 23 00 00-0148		**SurveyorVFT Fixed Camera Domes, Color** *(28 23 00 00-0107)*		
28 23 00 00-0149	EA	Outdoor Fixed Camera Dome, 5-50 mm Varifocal Lens Note: Includes 1/3" ExView high-resolution color camera, 5-50 mm varifocal lens and smoked lower dome, 24 VAC. Vicon model SVFT-W550A.	1,044.22	51.94
28 23 00 00-0150	EA	In-Ceiling Fixed Camera Dome, 3.3-12 mm Autoiris Varifocal Lens Note: Includes 1/3" ExView high-resolution color camera, 3.3-12mm autoiris varifocal lens and smoked lower dome, 24 VAC. Vicon model SVFT-C3312.	618.58	30.75
28 23 00 00-0151	EA	Pendant Fixed Camera Dome, 3.3-12 mm Autoiris Varifocal Lens Note: Includes 1/3" ExView high-resolution color camera, 3.3-12mm autoiris varifocal lens and smoked lower dome, 24 VAC. Vicon model SVFT-P3312.	671.01	33.36

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-0152	EA	Outdoor Fixed Camera Dome, 3.3-12 mm Autoiris Varifocal Lens Note: Includes 1/3" ExView high-resolution color camera, 3.3-12mm autoiris varifocal lens and smoked lower dome, 24 VAC. Vicon model SVFT-W3312.	830.84	41.29
28 23 00 00-0153	EA	Outdoor Fixed Camera Dome, 3.3-1 mm Autoiris Varifocal Lens, D/N Note: Includes 1/4" ExView high-resolution color camera, 3.3-12mm autoiris varifocal lens and smoked lower dome, 24 VAC. Vicon model SVFT-W3312DN.	937.19	46.62
28 23 00 00-0154		**SurveyorVFT Power Supplies For Camera Domes** *(28 23 00 00-0107)*		
28 23 00 00-0155	EA	Power Supply, 28 Volt AC Output, 2.5 Amps Note: For indoor SurveyorVFT camera domes. Vicon model S28PS-1.	30.58	1.53
28 23 00 00-0156	EA	Power Supply, 28 Volt AC Output, 4 Amps Note: For outdoor SurveyorVFT camera domes. Vicon model S28WPS-1.	43.69	2.17
28 23 00 00-0157	EA	Power Supply; 120 Volt AC Input / 24 Volt AC Output For Camera Domes, UL Listed Class 2/3 Note: For outdoor SurveyorVFT camera domes. Vicon model S24WPS-1.	34.43	1.53
28 23 00 00-0158	EA	Power Supply, Four-Channel, 120 Volt AC Input, 24/28 Volt AC Output Note: 7/6.25 amps (total). Vicon model V2448-175PS.	174.77	8.69
28 23 00 00-0159	EA	Power Supply, Eight-Channel, 120 Volt AC Input, 24/28 Volt AC Output Note: 12.5/10 amps (total). Vicon model V248-300PS.	227.20	11.30
28 23 00 00-0160	EA	Power Supply, Eight-Channel, 120 Volt AC Input, 24 Volt AC Output Note: 25 amps (total). Vicon model V248-600PS.	262.15	13.04
28 23 00 00-0161	EA	Power Supply, Sixteen-Channel, 120 Volt AC Input, 24/28 Volt AC Output Note: 25/20 amps (total). Vicon model V2416-300PS.	388.85	19.35
28 23 00 00-0162	EA	Power Supply, Heavy Duty Single-Channel Note: For use with SurveyorVFT pressurized and outdoor impact-resistant camera domes; 28 VAC output, 6.25 amps. Vicon model S28HD-PS.	83.01	4.13
28 23 00 00-0163		**SurveyorVFT Dome Mounting Options** *(28 23 00 00-0107)*		
28 23 00 00-0164	EA	Ceiling Panel Support, For SurveyorVFT Camera Dome Systems Note: Vicon model SVFT-UCP.	69.91	3.47
28 23 00 00-0165	EA	Wall Mount, Indoor/Outdoor, For SurveyorVFT Camera Dome Systems Note: Vicon model SVFT-UWM.	126.70	6.30
28 23 00 00-0166	EA	Wall Mount, Indoor/Outdoor, Short Note: For SurveyorVFT camera dome systems. Vicon model SVFT-WM.	85.21	4.24
28 23 00 00-0167	EA	Ceiling Mount, Indoor/Outdoor For SurveyorVFT Camera Dome System Note: Vicon model SVFT-UCM.	43.69	2.17
28 23 00 00-0168	EA	Goose Neck Parapet Mount For SurveyorVFT Camera Dome Systems Note: Vicon model SVFT-UPM-1.	281.81	14.01
28 23 00 00-0169	EA	Goose Neck Roof Mount For SurveyorVFT Camera Dome Systems Note: Vicon model SVFT-URM-1.	458.77	22.82
28 23 00 00-0170	EA	In-Ceiling Mount Kit For SurveyorVFT Camera Dome Systems Note: Vicon model SVFT-IC-KT.	43.69	2.17
28 23 00 00-0171		**Cost-Effective Impact-Resistant Camera Dome** *(28 23 00 00-0107)*		
28 23 00 00-0172	EA	Outdoor 3" Camera Dome, Color 3.3-12mm Varifocal Autoiris Lens Note: 550 HTVL, INT/LL, 12VDC/24VAC isolated power supply. Vicon model VC-600W.	425.76	20.61
28 23 00 00-0173	EA	Outdoor 3" Camera Dome, Color 3.3-12mm Varifocal Autoiris Lens Note: Day/Night. 550 HTVL, INT/LL, 12VDC/24VAC isolated power supply. Vicon model VC-600WDN.	486.66	20.61
28 23 00 00-0174	EA	Outdoor 3" Camera Dome, IR Illuminated, Color 3.7mm Fixed Lens Note: 550 HTVL, day/night, INT/LL, 12VDC/24VAC isolated power supply. Vicon model VC-600WIR.	458.31	20.61
28 23 00 00-0175	EA	Outdoor 3" Camera Dome, Color 3.3-12mm Varifocal Autoiris Lens Note: Wide dynamic range, color 3.3-12mm varifocal autoiris lens, 480 HTVL, day/night, INT/LL, 12VDC/24VAC isolated power supply. Vicon model VC-610W.	529.70	20.61
28 23 00 00-0176		**Fixed Position Domes** *(28 23 00 00-0107)*		
28 23 00 00-0177	EA	3" Camera Dome, Color, 3.3-12mm Varifocal Autoiris Lens Note: 550 HTVL, INT/LL, 12VDC/24VAC isolated power supply. Vicon model VC-600.	359.61	20.61
28 23 00 00-0178	EA	3" Camera Dome, Color, 3.3-12mm Varifocal Autoiris Lens Note: 480 HTVL, wide dynamic range, INT/LL, 12VDC/24VAC isolated power supply. Vicon model VC-610.	500.31	20.61
28 23 00 00-0179	EA	Adapter Plate Note: To mount the VC-600/VC-610 into a 4" x 4" electrical box. Vicon model VC-610.	20.84	2.06
28 23 00 00-0180		**Roughneck V926 Impact Resistant Camera Domes** *(28 23 00 00-0107)*		
28 23 00 00-0181	EA	In-Ceiling Dome Camera, Outdoor, 2.8 mm Varifocal Autoiris Lens Note: Includes 1/3" high-resolution color camera with ExView high-sensitivity CCD, 2.8 mm varifocal autoiris lens, heater and smoked lower dome. Vicon model V926FF-CA.	452.21	22.50
28 23 00 00-0182	EA	In-Ceiling Dome Camera, Outdoor, 3.36-12 Varifocal Autoiris Lens Note: Includes 1/3" high-resolution color camera with ExView high-sensitivity CCD, 3.36-12mm varifocal autoiris lens, heater and smoked lower dome. Vicon model V926-W3312.	600.41	29.89
28 23 00 00-0183	EA	In-Ceiling Dome Camera, Outdoor, 3.3-12 Varifocal Autoiris Lens Note: Includes 1/3" high-resolution color camera with ExView high-sensitivity CCD, 3.3-12mm varifocal autoiris lens, heater and smoked lower dome; UTP video transmission. Vicon model V926-W3312T.	626.62	31.19
28 23 00 00-0184	EA	In-Ceiling Dome Camera, 3.3-12mm Varifocal Autoiris Lens Note: Outdoor, includes 1/3" high-resolution color camera with ExView high-sensitivity CCD, 3.3-12mm varifocal autoiris lens, heater and smoked lower dome; UTP video transmission. Vicon model V926W3312DN.	685.46	29.89
28 23 00 00-0185		**Roughneck V910 Impact Resistant Camera Domes** *(28 23 00 00-0107)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-0186	EA	Surface Mount Dome Camera, 2.8mm Varifocal Autoiris Lens Note: Outdoor. Includes 1/3" high-resolution color camera with ExView high-sensitivity CCD, 2.8 mm varifocal autoiris lens, heater and smoked lower dome. Vicon model V910FF-CA.	452.21	22.50
28 23 00 00-0187	EA	Surface Mount Dome Camera, 3.3-12mm Varifocal Autoiris Lens Note: Outdoor. Includes 1/3-in. high-resolution color camera with ExView high-sensitivity CCD and 3.3-12 mm varifocal autoiris lens and heater; UTP video transmission, 24 VAC. Vicon model V910-W3312T.	626.62	31.19
28 23 00 00-0188	EA	Surface Mount Day/Night Outdoor Dome Camera Note: Includes 1/4" high-resolution color/monochrome camera and 3.3-12mm day/night varifocal autoiris lens and heater, 24 VAC. Vicon model V910-W3312DN.	706.32	35.10
28 23 00 00-0189	EA	Surface Mount Dome Camera, 3.3-12mm Varifocal Autoiris Lens Note: Outdoor. Includes 1/3" high-resolution color camera with ExView high-sensitivity CCD and 3.3-12mm varifocal autoiris lens and heater, 24 VAC. Vicon model V910-W3312.	600.41	29.89
28 23 00 00-0190		**Roughneck V910 Mounting Options** *(28 23 00 00-0107)*		
28 23 00 00-0191	EA	Pendant Adapter, For Use With V910 Dome Series Note: Adapts V910 to work with SVFT-UWM, SVT-WM, and SVFT-UCM pendant mounts; indoor/outdoor. Vicon model V910-PH.	43.34	2.17
28 23 00 00-0192	EA	In-Ceiling Mounting Kit, For Use With V910 Dome Series Note: For drop ceiling installations. Vicon model V910-ICD.	163.84	8.15
28 23 00 00-0193	EA	In-Ceiling Mounting Kit, For Use With V910 Dome Series Note: For hard ceiling installations. Vicon model V910-ICH.	150.74	7.50
28 23 00 00-0194		**Roughneck V910 Fixed Impact Resistant IP Camera Dome** *(28 23 00 00-0107)*		
28 23 00 00-0195	EA	Surface Mount Indoor Dome Camera Note: UTP video transmission. Vicon model V910-3312T.	552.90	25.09
28 23 00 00-0196	EA	Fixed IP Outdoor Camera Dome, 3.3-12mm Autoiris Varifocal Lens Note: Transmits high-quality video across the network for remote viewing and recording. Compatible with ViconNet version 3.0 Network Video Recorders (NVRs) and workstations. Surface-mount; 1/3" ExView color camera and 3.3-12mm autoiris varifocal lens; heater. Vicon model V910-W3312V3.	1,397.44	69.55
28 23 00 00-0197	EA	Fixed IP Outdoor Camera Dome, 3.3-12mm Autoiris Varifocal Lens Note: Transmits high-quality video across the network for remote viewing and recording. Compatible with ViconNet version 3.0 Network Video Recorders (NVRs) and workstations. Surface-mount; 1/4" day/night camera and 3.3-12mm autoiris varifocal lens; heater. Vicon model V910-W3312DNV3.	1,503.34	74.76
28 23 00 00-0198	EA	Fixed IP Outdoor Camera Dome, 2.8mm Autoiris Varifocal Lens Note: Transmits high-quality video across the network for remote viewing and recording. Compatible with ViconNet version 3.0 Network Video Recorders (NVRs) and workstations. Surface-mount; 1/3" ExView color camera and 2.8mm autoiris fixed lens; heater. Vicon model V910-28V3.	1,248.36	62.16
28 23 00 00-0199		**Roughneck Corner Mount High Security Camera** *(28 23 00 00-0107)*		
28 23 00 00-0200	EA	Indoor, 1/3" High-Resolution Color Camera Note: With ExView CCD and isolated power input, 3.3-12mm autoiris varifocal lens, brushed stainless steel finish. Vicon model V894CSH-3312.	607.76	29.89
28 23 00 00-0201	EA	Indoor, 1/4" Day/Night High-Resolution Color Camera Note: With isolated power input, 3.3-12mm autoiris varifocal lens, brushed stainless steel finish. Vicon model V894CSH-3312DN.	706.32	35.10
28 23 00 00-0202		**Roughneck Wall Mount High Security Camera** *(28 23 00 00-0107)*		
28 23 00 00-0203	EA	Indoor, 1/3" High-Resolution Color Camera Note: With ExView CCD and isolated power input, 3.3-12mm autoiris varifocal lens, brushed stainless steel finish. Vicon model V894WSH-3312.	607.76	29.89
28 23 00 00-0204	EA	Indoor, 1/4" Day/Night High-Resolution Camera Note: With isolated power input, 3.3-12mm autoiris varifocal lens, brushed stainless steel finish. Vicon model V894WSH-3312DN.	706.32	35.10
28 23 00 00-0205		**Environmental Housing Cameras** *(28 23 00 00-0107)*		
28 23 00 00-0206	EA	Outdoor, 1/3" Day/Night Color Camera Note: 3.3-12mm Autoiris varifocal lens, 550 TVL resolution, 12VDC/24VAC; IR illumination; metallic gray aluminum. Vicon model VC-620.	504.64	25.10
28 23 00 00-0207	EA	Outdoor, 1/3" Day/Night Color Camera Note: 5-50mm autoiris varifocal lens, 550 TVL resolution, 12VDC/24VAC; IR illumination; metallic gray aluminum. Vicon model VC-621.	1,043.26	25.10
28 23 00 00-0208		**Monochrome Cameras** *(28 23 00 00-0107)*		
28 23 00 00-0209	EA	1/3" Format, 24 Volt AC, 380 Lines Resolution Note: With linear shutter. Vicon model VC2153A-24.	150.74	7.50
28 23 00 00-0210	EA	1/3" Format, 24 Volt AC, 580 Lines High-Resolution Note: With linear shutter. Vicon model VC2430A-24.	211.90	10.54
28 23 00 00-0211		**Color Cameras** *(28 23 00 00-0107)*		
28 23 00 00-0212	EA	1/3" Format, 24 Volt AC, 330 TVL (0.2 lux) Note: Vicon model VC355-DSP.	211.90	10.54
28 23 00 00-0213	EA	1/3" Format, High-Resolution Color, 480 TVL (0.4 lux) Note: Vicon model VC365-DSP.	246.86	12.28
28 23 00 00-0214	EA	1/3" Format, High-Resolution Color, 480 TVL (0.4 lux), ExView Note: ExView Super HAD CCD. Vicon model VC465-DSP.	327.69	16.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-0215	EA	1/3" Format, DSP, 3.3-12mm Autoiris Varifocal Lens Note: 480 TVL (0.2 lux), 12VDC/24VAC. Vicon model VC-630.	346.03	16.30
28 23 00 00-0216		**Day/Night Cameras** *(28 23 00 00-0107)*		
28 23 00 00-0217	EA	Day/Night Camera, 1/3" Format Note: 24 VAC high-resolution color/monochrome operation; 480 TVL (day) and 580 TVL (night) horizontal resolution. Vicon model VC565DN.	443.31	28.15
28 23 00 00-0218	EA	Wide Dynamic Range Day/Night Camera Note: Color/Monochrome operation, C/CS mount, 480 HTVL, INT/LL, 12VDC/24VAC isolated power supply. Vicon model VC632.	509.46	28.15
28 23 00 00-0219		**Camera Power Supplies** *(28 23 00 00-0107)*		
28 23 00 00-0220	EA	Power Supply, Converts 120 Volt AC To 24 Volt AC Note: Vicon model VC24PS-1.	15.29	0.76
28 23 00 00-0221	EA	Power Supply, For Roughneck Corner And Wall Mount Cameras Note: Converts 120 VAC to 12 VDC, 0.5 amps. Vicon model V894PS-12.	34.96	1.74
28 23 00 00-0222	EA	Power Supply, 8-Channel, Converts 120 Volt AC To 24 Volt AC Note: 0.4 Amps/channel; used for fixed cameras with isolation. Vicon model V248-3.5PS.	185.68	9.24
28 23 00 00-0223	EA	Power Supply, 16-Channel, Converts 120 Volt AC To 24 Volt AC Note: 0.5 Amps/channel; used for fixed cameras with isolation. Vicon model V2416-8PS.	345.16	17.17
28 23 00 00-0224		**Pan And Tilt Devices** *(28 23 00 00-0106)*		
28 23 00 00-0225		**Pan-And-Tilt Drives** *(28 23 00 00-0224)*		
28 23 00 00-0226	EA	7.5 LB Load, Indoor, With Integral Wall Mount Note: Vicon model V3030APT.	299.29	14.89
28 23 00 00-0227	EA	7.5 LB Load, Indoor, With Square Base Note: For mounting on horizontal surfaces. Vicon model V3030APT-SB.	299.29	14.89
28 23 00 00-0228	EA	10 LB Load, Outdoor Note: Vicon model V3400APT-1.	618.23	30.75
28 23 00 00-0229	EA	35 LB Load, Outdoor Note: Vicon model VIST35.	830.14	41.29
28 23 00 00-0230	EA	35 LB Load, Outdoor, With Autopan Note: Vicon model VIST35-AP.	882.57	43.90
28 23 00 00-0231	EA	35 LB Load, Outdoor, With Preset Operation Note: Vicon model VIST35-P.	1,059.52	52.71
28 23 00 00-0232	EA	25 LB Load, Outdoor, Variable Speed With Preset Operation Note: Vicon model VIST-VP.	1,149.09	57.16
28 23 00 00-0233	EA	25 LB Load, Outdoor, Variable Speed With Continuous Rotation Note: Also with preset operation. Vicon model VIST25-VRP.	1,592.56	79.22
28 23 00 00-0234	EA	80 LB Load, Outdoor Note: Vicon model V390APT.	1,765.14	87.80
28 23 00 00-0235	EA	80 LB Load, Outdoor, With Preset Operation Note: Vicon model V390APT-PP.	2,108.11	104.87
28 23 00 00-0236	EA	80 LB Load, Explosion Proof Note: Meets IEC class IIC rating requirements (minimum 25 pieces order required). Vicon model V380PTX-S-VPP.	5,304.16	263.85
28 23 00 00-0237		**Pan-And-Tilt Options** *(28 23 00 00-0224)*		
28 23 00 00-0238	EA	Square Base Option For 10 LB Load Outdoor Pan And Tilt Device Note: Vicon model V3400SB.	43.69	2.17
28 23 00 00-0239		**Camera Housings** *(28 23 00 00-0106)*		
28 23 00 00-0240		**Indoor Camera Housings** *(28 23 00 00-0239)*		
28 23 00 00-0241	EA	6.4" W x 12.6" L In-Ceiling, All-Plastic Construction Note: Vicon model V8612H. Tamperproof.	96.12	4.78
28 23 00 00-0242		**Indoor/Outdoor Camera Housings** *(28 23 00 00-0239)*		
28 23 00 00-0243	EA	Small, 2-Piece Hinged Aluminum Note: Vicon model V9312H.	87.39	4.35
28 23 00 00-0244	EA	Small, 2-Piece Hinged Aluminum, Sunshield Note: Vicon model V9312H-HS-24. Includes 24 VAC heater.	172.58	8.58
28 23 00 00-0245	EA	Small, 1-Piece, Extruded Aluminum With Plastic End Caps Note: Vicon model V4.5H-12-1.	102.68	5.11
28 23 00 00-0246	EA	Medium, 1-Piece, Extruded Aluminum With Plastic End Caps Note: Vicon model V4.5H-15-1.	104.86	5.22
28 23 00 00-0247	EA	Medium, 2-Piece, Hinged Aluminum With Sunshield Note: Vicon model V9315HC-HS. Includes 24 VAC transformer, and 120 VAC heater.	192.24	9.57
28 23 00 00-0248	EA	Medium, 2-Piece, Hinged Aluminum With Sunshield Note: Vicon model V9315H-HS-24. Includes 24 VAC heater.	187.88	9.35
28 23 00 00-0249	EA	Medium, 2-Piece, Hinged Extruded Aluminum With Sunshield Note: Vicon model V9317H-SHB-24. Includes 24VAC blower/heater.	240.31	11.96
28 23 00 00-0250		**Indoor/Outdoor Camera Housings With Wiper** *(28 23 00 00-0239)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-0251	EA	Medium, 2-Piece, Hinged Aluminum Note: Vicon model V9315H-WH-24. Includes 24 VAC heater and wiper.	238.12	11.85
28 23 00 00-0252		Special Purpose Housings *(28 23 00 00-0239)*		
28 23 00 00-0253	EA	Explosion-Proof, Tubular Aluminum Note: Vicon model V8540H-SP.	1,059.52	52.71
28 23 00 00-0254	EA	Maximum Security, 10-Gauge Steel, Wall Or Ceiling Mount Note: Vicon model V894MSH.	441.28	21.96
28 23 00 00-0255	EA	Maximum Security, Outdoor, 10-Gauge Steel, Wall Or Ceiling Mount Note: Vicon model V896MSH.	476.24	23.69
28 23 00 00-0256	EA	Maximum Security, 10-Gauge Steel, Corner Mount Note: Vicon model V898MSH.	476.24	23.69
28 23 00 00-0257		Indoor Housing Accessories *(28 23 00 00-0239)*		
28 23 00 00-0258	EA	2' x 2' Adjustable Ceiling Panel, Aluminum Construction Note: 360° rotation. Vicon model V8612H-ACP. For Vicon model V8612H.	126.70	6.30
28 23 00 00-0259		Lenses *(28 23 00 00-0106)*		
28 23 00 00-0260		1/3" Varifocal Lenses *(28 23 00 00-0259)*		
28 23 00 00-0261	EA	Varifocal, 2.8-6 mm, F/1.4, Adjustable Iris Note: Vicon model V2.8-6VFI.	91.75	4.57
28 23 00 00-0262	EA	Varifocal, 3.5-8 mm, F/1.4, Adjustable Iris Note: Vicon model V3.5-8VFI-2.	80.83	4.03
28 23 00 00-0263	EA	Varifocal, 2.8-12 mm, F/1.2, Adjustable Iris Note: Vicon model V2.8-12VFI.	91.75	4.57
28 23 00 00-0264	EA	Varifocal, 5-50 mm, F/1.3, Adjustable Iris Note: Vicon model V5-50VFI.	194.42	9.67
28 23 00 00-0265		1/3" Autoiris Lenses, DC-Type *(28 23 00 00-0259)*		
28 23 00 00-0266	EA	Wide Angle, 4 mm, F/1.2 Note: Vicon model V4.0-1.2CS-G-3.	104.86	5.22
28 23 00 00-0267		1/3" Varifocal Autoiris Lenses, DC-Type *(28 23 00 00-0259)*		
28 23 00 00-0268	EA	Varifocal, 3.5-8 mm, F/1.4, Autoiris Note: Vicon model V3.5-8VF-CS-G-4.	104.86	5.22
28 23 00 00-0269	EA	Varifocal, 2.8-12 mm, F/1.2, Autoiris Note: Vicon model V2.8-12VF-CS-G.	126.70	6.30
28 23 00 00-0270	EA	Varifocal, 5-50 mm, f/1.3, Autoiris Note: Vicon model V5-50VF-CS-G.	238.12	11.85
28 23 00 00-0271	EA	Varifocal, 2.7-8 mm, F/1.0, Autoiris Note: Vicon model V2.7-8VF-CS-G.	127.56	6.96
28 23 00 00-0272		Motorized Zoom Lenses With Spot Filter And Autoiris *(28 23 00 00-0259)*		
28 23 00 00-0273	EA	1/3" Format, 10x Zoom Range, F/1.2, CS Mount, High-Speed Note: Vicon model V6-60AC-HS-1.	725.28	36.08
28 23 00 00-0274	EA	1/2" Format, 10x Zoom Range, F/1.4, C Mount, High-Speed Note: Vicon model V8-80AC-HS-1.	705.62	35.10
28 23 00 00-0275		Mounting Equipment *(28 23 00 00-0106)*		
28 23 00 00-0276		Wall Mounts With Adjustable Heads *(28 23 00 00-0275)*		
28 23 00 00-0277	EA	Wall Mount, 7.5 LB Load, Molded Plastic, 9" Long Note: Mounts to junction box. Vicon model V1100AWM.	37.14	1.85
28 23 00 00-0278	EA	Wall Mount, 20 LB Load, Aluminum, 10" Long Note: Vicon model V110AWM.	30.58	1.53
28 23 00 00-0279	EA	Wall Mount, 20 LB Load, Cast Aluminum, 11.6" Long Note: Vicon model V814AWM.	30.58	1.53
28 23 00 00-0280		Fixed Wall Mounts *(28 23 00 00-0275)*		
28 23 00 00-0281	EA	Wall Mount 40 LB Load, Aluminum, 16" Long Note: Vicon model V1600WM.	69.91	3.47
28 23 00 00-0282	EA	Wall Mount 200 LB Load, Steel, 24" Long Note: Vicon model V24WM.	80.83	4.03
28 23 00 00-0283	EA	Wall Mount 200 LB Load, Stainless Steel, 24" Long Note: Vicon model V24WM-SS.	264.34	13.15
28 23 00 00-0284		Adjustable Heads *(28 23 00 00-0275)*		
28 23 00 00-0285	EA	Adjustable Head, Medium-Duty, 60 LB Capacity Note: Vicon model V1600AH.	28.40	1.42
28 23 00 00-0286	EA	Adjustable Head, Medium To Heavy-Duty, 100 LB Capacity Note: Vicon model V2400AH.	89.57	4.46

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-0287		**Accessories For Wall Mounts** *(28 23 00 00-0275)*		
28 23 00 00-0288	EA	Outside Corner Mount Bracket Note: Vicon model V24CMB. For V24WM and surveyor series wall mounts.	72.10	3.58
28 23 00 00-0289		**Ceiling Mounts** *(28 23 00 00-0275)*		
28 23 00 00-0290	EA	Ceiling Mount, 7.5 LB Load, Molded Plastic, 6" Long Note: Vicon model V800ACM.	30.58	1.53
28 23 00 00-0291	EA	Ceiling Mount, 20 LB Load, Aluminum, 9" Long Note: Vicon model V8ACM.	37.14	1.85
28 23 00 00-0292	EA	Ceiling Mount, 20 LB Load, Steel, Chrome Plated, 11" Long Note: Vicon model V10UM.	54.61	2.72
28 23 00 00-0293		**Pole And Parapet Mounts** *(28 23 00 00-0275)*		
28 23 00 00-0294	EA	Pole Mount For 3"-4" Diameter Poles, Medium Duty Note: Vicon model V22PA. Use with V1600WM and V2000WM wall mounts.	133.25	6.63
28 23 00 00-0295	EA	Pole Mount Adapter For 4"-10" Diameter Poles Note: Vicon model V20B. Painted Aluminum construction, no mounting straps.	122.18	6.13
28 23 00 00-0296	EA	Pole Mount Adapter For 4"-10" Diameter Poles Note: Vicon model V20B-A. Painted Aluminum construction, includes mounting straps.	168.15	8.44
28 23 00 00-0297		**Multiplexers And Quads** *(28 23 00 00-0001)*		
28 23 00 00-0298		**Aurora A2000 Color Video Multiplexers With PTZ Control** *(28 23 00 00-0297)*		
28 23 00 00-0299	EA	16-Channel Color Simplex Multiplexer, 30 Images Per Second Note: Live view refresh. Vicon model AUR2K-SC3.	1,494.60	20.61
28 23 00 00-0300	EA	16-Channel Color Duplex Multiplexer, 30 Images Per Second Note: Live view refresh. Vicon model AUR2K-DC3.	1,991.57	20.61
28 23 00 00-0301	EA	16-Channel Color Duplex Multiplexer, 60 Images Per Second Note: Live view refresh. Vicon model AUR2K-DC6.	2,203.31	20.61
28 23 00 00-0302		**Aurora A2000 Color Video Multiplexers With Looping Cables** *(28 23 00 00-0297)* Note: With PTZ control.		
28 23 00 00-0303	EA	16-Channel Color Simplex Multiplexer, 30 Images Per Second Note: Live view refresh. Includes looping cables. Vicon model AUR2K-SC3C.	1,536.60	20.61
28 23 00 00-0304	EA	16-Channel Color Duplex Multiplexer, 30 Images Per Second Note: Live view refresh. Includes looping cables. Vicon model AUR2K-DC3C.	2,033.57	20.61
28 23 00 00-0305	EA	16-Channel Color Duplex Multiplexer, 60 Images Per Second Note: Live view refresh. Includes looping cables. Vicon model AUR2K-DC6C.	2,247.06	20.61
28 23 00 00-0306		**GENESYS Quad Splitter** *(28 23 00 00-0297)*		
28 23 00 00-0307	EA	Real-Time Color Quad Splitter Note: Displays four cameras on one monitor. Full-featured with alarms, titling, freeze, full-screen sequential switching and on-screen programming. Vicon model V4400QS-1.	642.40	20.61
28 23 00 00-0308		**Monitors And Time Lapse Recorders** *(28 23 00 00-0001)*		
28 23 00 00-0309		**Monochrome Monitors** *(28 23 00 00-0308)*		
28 23 00 00-0310	EA	9" Screen, High Resolution, 1,000 TV Lines Note: Vicon model VM5094.	208.95	13.73
28 23 00 00-0311	EA	12" Screen, High Resolution, 1,000 TV Lines Note: Vicon model VM5124.	224.70	13.73
28 23 00 00-0312	EA	15" Screen, High Resolution, 1,000 TV Lines Note: Vicon model VM5124.	308.70	13.73
28 23 00 00-0313		**Color Monitors** *(28 23 00 00-0308)*		
28 23 00 00-0314	EA	9" Screen 280 Lines Resolution Note: Vicon model VM6093.	620.17	13.73
28 23 00 00-0315	EA	14" Screen 400 Lines Resolution, NTSC/PAL Note: Vicon model VM614-3.	408.43	13.73
28 23 00 00-0316	EA	15" Screen 650 TV Lines High Resolution, NTSC/PAL Note: Vicon model VM615-5.	578.17	13.73
28 23 00 00-0317	EA	21" Screen 450 TV Lines High Resolution, Accepts NTSC/PAL Note: Vicon model VM621-5.	502.92	13.73
28 23 00 00-0318	EA	17" Flat Panel LCD Monitor Note: Resolution up to 1280 x 1024 (depending on scan rate); VGA, BNC, or S-Video video input and output; accepts NTSC/PAL. Vicon model VM-617LCD.	942.15	13.73
28 23 00 00-0319	EA	19" Flat Panel LCD Monitor Note: Resolution up to 1280x1024@60/75Hz depending on scan rate. VGA, BNC, or S-Video video input and output; accepts NTSC/PAL. Vicon model VM-619LCD.	1,111.19	13.73
28 23 00 00-0320		**Monitor Mounting Accessories** *(28 23 00 00-0308)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-0321	EA	Monitor Mount, For VM621-5 Monitor Note: May be mounted to ceiling with V1502CA ceiling mount or to a wall with V1501WM wall mount. Vicon model VM615-5-MM.	388.85	19.35
28 23 00 00-0322	EA	Monitor Mount, For VM614-3 And VM615-5 Monitors Note: May be mounted to ceiling with V1502CA ceiling mount or to a wall with V1501WM wall mount. Vicon model VM61514-5-MM.	388.15	19.35
28 23 00 00-0323	EA	Wall Mount For V161514-5-MM And V1621-5-MM Monitor Mounts Note: Vicon model V1501WM.	115.43	5.76
28 23 00 00-0324	EA	Ceiling Mount For V161514-5-MM And V1621-5-MM Monitor Mounts Note: Vicon model V1502CA.	74.63	3.69
28 23 00 00-0325	EA	Rack Kit For Use With VM-617LCD Monitor Note: Vicon model VM-617LCD-RK.	47.19	3.69
28 23 00 00-0326	EA	Rack Kit For Use With VM-619LCD Monitor Note: Vicon model VM-619LCD-RK.	47.19	3.69
28 23 00 00-0327		Monitor Racking Kits *(28 23 00 00-0308)*		
28 23 00 00-0328	EA	Dual Rack-Mounting Kit For Two VM6093 Monitors Note: Vicon model VM6092RK.	87.39	4.35
28 23 00 00-0329	EA	Single Rack-Mounting Kit For VM615-5 Monitor Note: Vicon model VM615-5-RK.	109.24	5.43
28 23 00 00-0330		Time-Lapse Video Cassette Recorders *(28 23 00 00-0308)*		
28 23 00 00-0331	EA	Video Cassette Recorder 480 Hour Time-Lapse Note: Vicon model VCR480TL.	473.19	13.73
28 23 00 00-0332		Video Recorder Rack Mount Kit *(28 23 00 00-0308)*		
28 23 00 00-0333	EA	Rack Kit For Mounting VCR480TL Note: Vicon model VCR-RK-1.	86.69	4.35
28 23 00 00-0334		Video Signal Equipment *(28 23 00 00-0001)*		
28 23 00 00-0335		Amplifiers *(28 23 00 00-0334)*		
28 23 00 00-0336	EA	Distribution Amplifier, One Input, Six Outputs, Phase 8 Note: Vicon model V210DA.	208.42	20.61
28 23 00 00-0337	EA	Distribution Amplifier, One Input, Six Outputs, Desk-Top Note: Vicon model V210DA-B.	208.42	20.61
28 23 00 00-0338	EA	Video Distribution Amplifier, Rack Mount Note: 8 Input x 2 output or 2 input or 8 output configurations. Vicon model VDA8-16.	239.92	20.61
28 23 00 00-0339		Phase Eight Racking Systems *(28 23 00 00-0334)*		
28 23 00 00-0340	EA	Rack Accepts Any Combination Of Phase 8 Modules Note: Totaling eight single-width units. Vicon model VP8RK.	63.36	3.15
28 23 00 00-0341	EA	Closure Panel, Single Width Closure Panel For VP8RK Note: Vicon model VP8-CP-1.	10.92	0.54
28 23 00 00-0342	EA	Closure Panel, Double Width Closure Panel For VP8RK Note: Vicon model VP8-CP-2.	17.47	0.87
28 23 00 00-0343		Ground Loop Corrector *(28 23 00 00-0334)*		
28 23 00 00-0344	EA	Passive Ground Loop Correction Transformer Note: Single channel, for Vicoax. Vicon model V235GLTA.	122.34	6.08
28 23 00 00-0345		Twisted Pair Video Transmission *(28 23 00 00-0334)*		
28 23 00 00-0346	EA	Video Transceiver, Transmits Or Receives Video And Vicoax Data Note: Transmits or receives video and Vicoax data up to 500' over twisted-pair wire (can be used as receiver for UTP camera domes). Vicon model V212-NVT.	93.94	4.67
28 23 00 00-0347	EA	Video Transceiver, Transmits Or Receives Video And Vicoax Data Note: Transmits or receives video and Vicoax data up to 1000' over twisted-pair wire (can be used as receiver for UTP camera domes). Vicon model V213-NVT.	139.81	6.96
28 23 00 00-0348	EA	Video Receiver, Receives Video From V213-NVT Transmitter Note: Up to 3000' over twisted-pair wire (can be used as receiver for UTP camera domes). Vicon model V652R-NVT.	351.71	17.50
28 23 00 00-0349		Surge Protectors *(28 23 00 00-0334)*		
28 23 00 00-0350	EA	Surge Protector Note: Protects video equipment from induced power surges in video lines. Vicon model V15LPG.	45.88	2.28
28 23 00 00-0351		Fiber Optic Transmission Equipment *(28 23 00 00-0001)*		
28 23 00 00-0352		Single Channel Video Transmission *(28 23 00 00-0351)*		
28 23 00 00-0353	EA	Video Transmitter, 13 dB Note: Vicon model V700T.	214.96	10.69
28 23 00 00-0354	EA	Video Transmitter, 13 dB, Rack Mount Note: Vicon model V700T-R.	237.24	11.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-0355	EA	Video Receiver, 13 dB Note: Vicon model V700R.	260.84	12.97
28 23 00 00-0356	EA	Video Receiver, 13 dB, Rack Mount Note: Vicon model V700R-R.	260.84	12.97
28 23 00 00-0357	EA	Video Receiver, 2-Channel, 2-Fibers, 13 dB, Rack Mount Note: Vicon model V702R-R.	473.18	23.54
28 23 00 00-0358	EA	Video Transmitter, 13 dB Note: Vicon model V701T.	263.47	13.10
28 23 00 00-0359	EA	Video Transmitter, 13 dB, Rack Mount Note: Vicon model V701T-R.	263.47	13.10
28 23 00 00-0360	EA	Video Receiver, 13 dB Note: Vicon model V701R.	317.21	15.78
28 23 00 00-0361	EA	Video Receiver, 13 dB, Rack Mount Note: Vicon model V701R-R.	317.21	15.78
28 23 00 00-0362		**Multi-channel Video Transmission** *(28 23 00 00-0351)*		
28 23 00 00-0363	EA	Video Transmitter, 4-Channel Note: Vicon model V707T.	1,199.33	59.66
28 23 00 00-0364	EA	Video Transmitter, 4-Channel, Rack Mount Note: Vicon model V707T-R.	1,199.33	59.66
28 23 00 00-0365	EA	Video Receiver, 4-Channel Note: Vicon model V707R.	1,199.33	59.66
28 23 00 00-0366	EA	Video Receiver, 4-Channel, Rack Mount Note: Vicon model V707R-R.	1,199.33	59.66
28 23 00 00-0367	EA	Video Transmitter, 2-Channel Note: Vicon model V703T.	644.88	32.08
28 23 00 00-0368	EA	Video Transmitter, 2-Channel, Rack Mount Note: Vicon model V703T-R.	644.88	32.08
28 23 00 00-0369	EA	Video Receiver, 2-Channel Note: Vicon model V703R.	644.88	32.08
28 23 00 00-0370	EA	Video Receiver, 2-Channel, Rack Mount Note: Vicon model V703R-R.	644.88	32.08
28 23 00 00-0371		**Bidirectional Video For Vicoax** *(28 23 00 00-0351)*		
28 23 00 00-0372	EA	Bidirectional Fiber-Optic Transmitter, For Vicoax Note: Vicon model V739T.	827.07	41.14
28 23 00 00-0373	EA	Bidirectional Fiber-Optic Transmitter, For Vicoax, Rack Mount Note: Vicon model V739T-R.	827.07	41.14
28 23 00 00-0374	EA	Bidirectional Fiber-Optic Receiver, For Vicoax Note: Vicon model V739R.	827.07	41.14
28 23 00 00-0375	EA	Bidirectional Fiber-Optic Receiver, For Vicoax, Rack Mount Note: Vicon model V739R-R.	827.07	41.14
28 23 00 00-0376		**Video And Data Transmission** *(28 23 00 00-0351)*		
28 23 00 00-0377	EA	Video Receiver, Standalone Fiber Receiver, 1 Channel Note: For use with V910 fixed camera dome internal fiber trans module. Vicon model VF-140R.	799.59	41.62
28 23 00 00-0378	EA	Video Receiver, Standalone Fiber Receiver, 1 Channel, Rack Mount Note: For use with V910 fixed camera dome internal fiber trans module. Vicon model VF-140RR.	799.59	41.62
28 23 00 00-0379	EA	Video/Data Transmitter, Single Fiber, Duplex RS-422 Note: Simplex Video, For NOVA Systems. Vicon model V732T.	837.39	41.62
28 23 00 00-0380	EA	Video/Data Receiver, Single Fiber, Duplex RS-422 Note: Simplex Video, For NOVA Systems. Vicon model V732R.	837.39	41.62
28 23 00 00-0381	EA	Video/Data Receiver, Single Fiber, Duplex RS-422, Rack Mount Note: Simplex Video, For NOVA Systems. Vicon model V732R-R.	837.39	41.62
28 23 00 00-0382		**Racking Equipment And Power Supplies** *(28 23 00 00-0351)*		
28 23 00 00-0383	EA	Special 19" Rack Panel Note: Houses 3 V-VH439 4-channel UTP transmitters. Vicon model V-RK439.	191.15	8.67
28 23 00 00-0384	EA	Special 19" Rack Panel Assemblies Note: Includes 3 V-VH439 4-channel UTP transmitters. Vicon model V-VRK439X3.	2,244.98	101.89
28 23 00 00-0385	EA	Winsted 35" Vertical Rack Note: Vicon model VW-RACK-PKG5.	1,571.49	71.33
28 23 00 00-0386	EA	15-Channel Rack, With 6 Amp Power Supply Note: Vicon model V515R-PS.	1,064.76	44.13
28 23 00 00-0387	EA	17-Channel Rack, Use With V517E-PS Note: Vicon model V517R-PS.	421.62	17.48
28 23 00 00-0388	EA	Blank Filler Panel, For Rack, 1" Wide Note: Vicon model VOP-CP1.	30.21	1.25
28 23 00 00-0389	EA	High-Output Power Supply, 19" Rack Mount Note: Powers two V517R-PS racks. Vicon model V517E-PS.	1,076.09	44.59
28 23 00 00-0390	EA	Power Supply, 120 Volt AC To 12 Volt DC Note: Vicon model VOPPS-120DC.	42.80	1.78
28 23 00 00-0391	EA	Power Supply, 120 Volt AC To 12 Volt DC, High Output Note: Vicon model VOPPS-120HDC.	76.78	3.18
28 23 00 00-0392		**SurveyorVFT Fiber Receivers And Racking** *(28 23 00 00-0351)*		
28 23 00 00-0393	EA	Video/Data Receiver, Single Fiber, Duplex RS-422, Simplex Video Note: For use with SurveyorVFT fiber domes only. Vicon model VF-1400R.	835.77	41.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-0394	EA	Video/Data Receiver Rack Mount, Single Fiber, Duplex RS-422 Note: Simplex video. For use with SurveyorVFT fiber domes only. Vicon model VF-1400R.	835.77	41.21
28 23 00 00-0395	EA	Rack, 14 Slots, With 100 W Power Supply Note: For use with VF-1400 series receivers. Blank panels are VF-BPS-1. Vicon model VF-1400R.	1,128.34	56.14
28 23 00 00-0396	EA	Blank Panel, For Use With VF-SR20/2 Rack Note: Vicon model VF-BPS-1.	23.60	1.17
28 23 00 00-0397	EA	Video/Data Receiver, Stand Alone Note: For use with SVFT camera dome internal fiber trans module. Vicon model VF-1631R.	835.77	41.21
28 23 00 00-0398	EA	Video/Data Receiver, Rack Module Note: For use with SVFT camera dome internal fiber trans module. Vicon model VF-1631RR.	835.77	41.21
28 23 00 00-0399		**Hubs And Terminators** *(28 23 00 00-0351)*		
28 23 00 00-0400	EA	75-OHM Terminator For Unused Video Looping BNCs Note: Vicon model V75T.	4.37	0.22
28 23 00 00-0401	EA	Special 4-Port Video Mini-Hub, 3000' Maximum Distance Note: 4-Channel UTP transmitter. Vicon model V-VH439.	667.07	30.28
28 23 00 00-0402		**System Controls And Matrix Systems** *(28 23 00 00-0001)*		
28 23 00 00-0403		**NOVA V1422 UTP Or Coaxial 32 x 8 Matrix System** *(28 23 00 00-0402)*		
28 23 00 00-0404	EA	Advanced Digital Control And Matrix Switcher Note: 32 Camera inputs, 8 monitor outputs. Full camera station control and matrix switching. NOVA and Vicoax compatible. Includes V1400VGC Windows-based configuration software. Vicon model V1422.	3,181.50	20.61
28 23 00 00-0405		**NOVA V1344 Matrix Prepacs** *(28 23 00 00-0402)* Note: Programmable systems with internal CPU.		
28 23 00 00-0406	EA	Controls 8 Cameras And 8 Monitors Note: Includes 1 switcher card cage, V1344SCPU-HDA internal CPU, programming keyboard and 9" monochrome monitor. Vicon model V8X8-ICPS.	3,348.10	34.00
28 23 00 00-0407	EA	Controls 16 Cameras And 8 Monitors Note: Includes 1 switcher card cage, V1344SCPU-HDA internal CPU, programming keyboard and 9" monochrome monitor. Vicon model V16X8-ICPS.	3,748.63	35.04
28 23 00 00-0408	EA	Controls 24 Cameras And 8 Monitors Note: Includes 1 switcher card cage, V1344SCPU-HDA internal CPU, programming keyboard and 9" monochrome monitor. Vicon model V24X8-ICPS.	4,383.65	36.06
28 23 00 00-0409	EA	Controls 32 Cameras And 8 Monitors Note: Includes 1 switcher card cage, V1344SCPU-HDA internal CPU, programming keyboard and 9" monochrome monitor. Vicon model V32X8-ICPS.	4,549.69	37.10
28 23 00 00-0410	EA	Controls 40 Cameras And 8 Monitors Note: Includes 1 switcher card cage, V1344SCPU-HDA internal CPU, programming keyboard and 9" monochrome monitor. Vicon model V40X8-ICPS.	4,950.22	38.12
28 23 00 00-0411	EA	Controls 48 Cameras And 8 Monitors Note: Includes 1 switcher card cage, V1344SCPU-HDA internal CPU, programming keyboard and 9" monochrome monitor. Vicon model V48X8-ICPS.	5,216.01	39.15
28 23 00 00-0412	EA	Controls 56 Cameras And 8 Monitors Note: Includes 1 switcher card cage, V1344SCPU-HDA internal CPU, programming keyboard and 9" monochrome monitor. Vicon model V56X8-ICPS.	5,488.80	40.19
28 23 00 00-0413	EA	Controls 64 Cameras And 8 Monitors Note: Includes 1 switcher card cage, V1344SCPU-HDA internal CPU, programming keyboard and 9" monochrome monitor. Vicon model V64X8-ICPS.	5,838.58	41.21
28 23 00 00-0414	EA	Controls 72 Cameras And 8 Monitors Note: Includes 1 switcher card cage, V1344SCPU-HDA internal CPU, programming keyboard and 9" monochrome monitor. Vicon model V72X8-ICPS.	5,995.88	42.25
28 23 00 00-0415	EA	Controls 80 Cameras And 8 Monitors Note: Includes 1 switcher card cage, V1344SCPU-HDA internal CPU, programming keyboard and 9" monochrome monitor. Vicon model V80X8-ICPS.	6,356.16	43.28
28 23 00 00-0416	EA	Controls 88 Cameras And 8 Monitors Note: Includes 1 switcher card cage, V1344SCPU-HDA internal CPU, programming keyboard and 9" monochrome monitor. Vicon model V88X8-ICPS.	6,791.69	44.30
28 23 00 00-0417	EA	Controls 96 Cameras And 8 Monitors Note: Includes 1 switcher card cage, V1344SCPU-HDA internal CPU, programming keyboard and 9" monochrome monitor. Vicon model V96X8-ICPS.	7,087.23	45.34
28 23 00 00-0418	EA	Controls 104 Cameras And 8 Monitors Note: Includes 1 switcher card cage, V1344SCPU-HDA internal CPU, programming keyboard and 9" monochrome monitor. Vicon model V104X8-ICPS.	7,573.50	46.36
28 23 00 00-0419	EA	Controls 112 Cameras And 8 Monitors Note: Includes 1 switcher card cage, V1344SCPU-HDA internal CPU, programming keyboard and 9" monochrome monitor. Vicon model V112X8-ICPS.	7,848.05	47.40
28 23 00 00-0420	EA	Controls 120 Cameras And 8 Monitors Note: Includes 1 switcher card cage, V1344SCPU-HDA internal CPU, programming keyboard and 9" monochrome monitor. Vicon model V120X8-ICPS.	8,124.34	48.43
28 23 00 00-0421	EA	Controls 128 Cameras And 8 Monitors Note: Includes 1 switcher card cage, V1344SCPU-HDA internal CPU, programming keyboard and 9" monochrome monitor. Vicon model V128X8-ICPS.	8,400.63	49.45
28 23 00 00-0422		**NOVA V1344 Internal CPU And Titler** *(28 23 00 00-0402)*		
28 23 00 00-0423	EA	Internal CPU For Matrix Switcher Card Cage Note: Controls video switcher, pan-and-tilt, lens and auxiliary functions. Controls matrix switching for up to 128 cameras and 24 monitors. Vicon model V1344SCPU-HDA.	1,132.89	13.73

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-0424		EA	Time/Date/Titler Card Note: Provides three lines for titling and one line for time and date. Used with V1344 CPU system only. Vicon model V1344STDT-HD.	382.18	13.73
28 23 00 00-0425		EA	Programming Keyboard For V1344SCPU, V1466SCPU-A And V1500 CPUs Note: Vicon model V1300X-PKA.	163.44	13.73
28 23 00 00-0426			MATRIX 44 High Density Switcher Components *(28 23 00 00-0402)*		
28 23 00 00-0427		EA	Card Cage 128 Inputs x 8 Outputs Note: Contains power supply, video output amplifier, and motherboard for up to 16 V4410S-HD video switching cards. Vicon model V4481SCC-HD.	1,645.09	20.61
28 23 00 00-0428		EA	Video Switch Card Note: Switching and decoding circuitry for eight camera inputs. Connector panel V4411RP-BNC or V4411RP-RIB ordered separately. Vicon model V4410S-HD.	310.21	15.43
28 23 00 00-0429		EA	Rear Connector Panel, 1 Ribbon Cable Connector Note: 8 BNC connectors. Use with V4410S-HD. Vicon model V4411RP-BNC.	91.75	4.57
28 23 00 00-0430		EA	Rear Connector Panel, 2 Ribbon Cable Connectors Note: Use with V4410S-HD. Vicon model V4411RP-RIB.	76.46	3.80
28 23 00 00-0431		EA	Address Decoder Note: Decodes CPU control signal. One required for each V4481SCC-HD. If system uses V1344SCPU-HD, eliminate one V4430ADEC-HD. Vicon model V4430ADEC-HD.	388.85	19.35
28 23 00 00-0432		EA	Expander Card For Systems With More Than 128 Camera Inputs Note: One required for each camera expansion card cage. Vicon model V4441SEXP-HD.	506.82	25.21
28 23 00 00-0433		EA	Blank Rear Closure Panel For V4481SCC-HD Note: Vicon model V4450RCP-HD.	21.85	1.08
28 23 00 00-0434		EA	21" Coaxial Ribbon Cable Note: For distributing video between V4410S-HD cards. Vicon model V44RCP-21-1.	21.85	1.08
28 23 00 00-0435		EA	12" Coaxial Ribbon Cable Assembly Note: For distributing video signals from V4410S-HD switcher cards to external devices. Terminated with eight BNCs. Vicon model V44RCB-12-1.	104.86	5.22
28 23 00 00-0436		EA	75-OHM Terminator Note: For unused looping outputs and looping video coaxial ribbon cable connectors, Matrix 44. Vicon model V75TR-1.	36.72	1.31
28 23 00 00-0437			NOVA 1466A Matrix Prepacs, Programmable Systems *(28 23 00 00-0402)* Note: With internal CPU.		
28 23 00 00-0438		EA	Controls 64 Cameras And 16 Monitors Note: Includes 1 switcher card cage, internal V1466A CPU titler, programming keyboard and 9" monochrome monitor. Vicon model V64X16A-IHCPS.	5,800.43	41.21
28 23 00 00-0439		EA	Controls 64 Cameras And 32 Monitors Note: Includes 2 switcher card cages, internal V1466A CPU titler, programming keyboard and 9" monochrome monitor. Vicon model V64X32A-IHCPS.	9,489.92	41.21
28 23 00 00-0440		EA	Controls 128 Cameras And 16 Monitors Note: Includes 1 switcher card cage, internal V1466A CPU titler, programming keyboard and 9" monochrome monitor. Vicon model V128X16A-IHCPS.	7,177.45	49.45
28 23 00 00-0441		EA	Controls 128 Cameras And 32 Monitors Note: Includes 2 switcher card cages, internal V1466A CPU titler, programming keyboard and 9" monochrome monitor. Vicon model V128X32A-IHCPS.	10,288.42	49.45
28 23 00 00-0442		EA	Controls 192 Cameras And 16 Monitors Note: Includes 1 switcher card cage, internal V1466A CPU titler, programming keyboard and 9" monochrome monitor. Vicon model V192X16A-IHCPS.	7,630.51	57.70
28 23 00 00-0443		EA	Controls 192 Cameras And 32 Monitors Note: Includes 2 switcher card cages, internal V1466A CPU titler, programming keyboard and 9" monochrome monitor. Vicon model V192X32A-IHCPS.	11,713.72	57.70
28 23 00 00-0444		EA	Controls 256 Cameras And 16 Monitors Note: Includes 1 switcher card cage, internal V1466A CPU titler, programming keyboard and 9" monochrome monitor. Vicon model V256X16A-IHCPS.	9,358.18	65.95
28 23 00 00-0445		EA	Controls 256 Cameras And 32 Monitors Note: Includes 2 switcher card cages, internal V1466A CPU titler, programming keyboard and 9" monochrome monitor. Vicon model V256X32A-IHCPS.	13,505.45	65.95
28 23 00 00-0446			NOVA V1466A Matrix Prepacs, Single Cage Programmable Systems *(28 23 00 00-0402)* Note: With internal CPU. Expandable to 128 cameras x 32 monitors.		
28 23 00 00-0447		EA	Controls 64 Cameras And 32 Monitors Note: Includes 1 switcher card cage, internal V1466A CPU titler, programming keyboard and 9" monochrome monitor. Vicon model V64X32A-IHCPS-S.	7,215.75	41.21
28 23 00 00-0448		EA	Controls 128 Cameras And 32 Monitors Note: Includes 1 switcher card cage, internal V1466A CPU titler, programming keyboard and 9" monochrome monitor. Vicon model V128X32A-IHCPS-S.	10,135.13	49.45
28 23 00 00-0449			NOVA V1466A Internal CPU And Titler *(28 23 00 00-0402)*		
28 23 00 00-0450		EA	Internal CPU For Matrix 66 Card Cage Note: Controls video switcher, pan-and-tilt, lens, and auxiliary functions. Controls matrix switching for up to 256 cameras and 32 monitors. Vicon model V1466ASCPA-A.	928.50	13.73
28 23 00 00-0451		EA	Time/Date/Titler Card, For Monitors 1-16 Note: Provides advanced titling capability including sectors, presets and camera ID in addition to time and date. Used only with V1466ASCPU-A. Vicon model V1466ATDTSHD-16.	769.96	13.73
28 23 00 00-0452		EA	Time/Date/Titler Card, For Monitors 17-32 Note: Provides advanced titling capability including sectors, presets and camera ID in addition to time and date. Used only with V1466ASCPU-A. Vicon model V1466ATDTSHD-32.	1,182.59	13.73

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-0453		Matrix 66 Super High Density Switcher Components *(28 23 00 00-0402)*		
28 23 00 00-0454	EA	Coaxial Ribbon Cable, 1 D-Shell Connector And 8 BNCs Note: Vicon model V66RCB-24.	109.24	5.43
28 23 00 00-0455	EA	Coaxial Ribbon Cable, 2 D-Shell Connectors Note: Vicon model V66RC-36.	109.24	5.43
28 23 00 00-0456	EA	75-OHM Terminator For Unused Looping Outputs Note: Also for looping video D-shell Connectors, Matrix 66. Vicon model V75TR-SHD.	39.32	1.96
28 23 00 00-0457	EA	Card Cage (256x16) Note: Accepts up to 4 switcher cards. Includes motherboard and power supply. Vicon model V6680SCC-16-1A.	2,284.15	20.61
28 23 00 00-0458	EA	Card Cage (128x32) Note: Accepts up to 4 switcher cards. Includes motherboard and power supply. Vicon model V6680SCC-32-1A.	933.93	20.61
28 23 00 00-0459	EA	Decoder Board, For External CPU Note: Vicon model V1466ADCDB.	347.34	17.28
28 23 00 00-0460	EA	Video Switcher Card, Switching For 64 Camera Inputs Note: Rear connector panels ordered separately. Vicon model V6610S-1A.	1,209.81	60.19
28 23 00 00-0461	EA	Camera Input Panel, 64 BNC Connectors Note: Vicon model V6610RP64-IA.	216.27	10.76
28 23 00 00-0462	EA	Camera Input Panel, 32 BNC Connectors Note: Vicon model V6610RP32-IA.	186.11	9.26
28 23 00 00-0463	EA	Monitor Output Panel, 16 BNC Connectors Note: Vicon model V6610RP16-OA.	167.78	8.34
28 23 00 00-0464	EA	Monitor Output Panel, 32 BNC Connectors Note: Vicon model V6610RP32-OA.	182.17	9.07
28 23 00 00-0465	EA	Camera Looping Panel, 64 Channels, 16 D-Shell Cable Connectors Note: Vicon model V6610RP64-LA.	176.95	8.80
28 23 00 00-0466	EA	Expander Card, 32 Channels, For Use In Star Configuration Note: Vicon model V6640SEXP32-A.	740.58	36.83
28 23 00 00-0467	EA	Expander Card, 16 Channels, For Use In Serial Loop Configuration Note: Vicon model V6640SEXP16-A.	504.64	25.10
28 23 00 00-0468	EA	Video Amplifier Board, Outputs For Monitors 1-16 Or 17-32 Note: Vicon model V6632-AMP-1A or V6632-AMP-1A.	866.74	20.61
28 23 00 00-0469	EA	Card Extender, For Switcher Slots (For Service) Note: Vicon model V6670XS-A.	113.93	20.61
28 23 00 00-0470	EA	Card Extender, For AMP/OSD Slots (For Service) Note: Vicon model V6670XA-A.	381.66	20.61
28 23 00 00-0471	EA	Blank Rear Closure Panel, For Unused Card Positions Note: Vicon model V6650RCP-A.	19.67	0.98
28 23 00 00-0472		Matrix 66 Prepacs With Titling For Use With NOVA 1500 *(28 23 00 00-0402)*		
28 23 00 00-0473	EA	Controls 64 Cameras And 16 Monitors Note: Includes 1 switcher card cage and titling card cage. Vicon model V64X16-MX66A.	7,155.90	41.21
28 23 00 00-0474	EA	Controls 64 Cameras And 32 Monitors Note: Includes 2 switcher card cages and titling card cage. Vicon model V64X32-MX66A.	12,608.24	41.21
28 23 00 00-0475	EA	Controls 64 Cameras And 48 Monitors Note: Includes 3 switcher card cages and titling card cage. Vicon model V64X48-MX66A.	19,424.45	41.21
28 23 00 00-0476	EA	Controls 64 Cameras And 64 Monitors Note: Includes 4 switcher card cages and titling card cage. Vicon model V64X64-MX66A.	24,802.25	41.21
28 23 00 00-0477	EA	Controls 128 Cameras And 16 Monitors Note: Includes 1 switcher card cage and titling card cage. Vicon model V128X16-MX66A.	10,100.48	49.45
28 23 00 00-0478	EA	Controls 128 Cameras And 32 Monitors Note: Includes 2 switcher card cages and titling card cage. Vicon model V128X32-MX66A.	15,971.75	49.45
28 23 00 00-0479	EA	Controls 128 Cameras And 48 Monitors Note: Includes 3 switcher card cages and titling card cage. Vicon model V128X48-MX66A.	23,701.40	49.45
28 23 00 00-0480	EA	Controls 128 Cameras And 64 Monitors Note: Includes 4 switcher card cages and titling card cage. Vicon model V128X64-MX66A.	31,862.59	49.45
28 23 00 00-0481	EA	Controls 192 Cameras And 16 Monitors Note: Includes 1 switcher card cage and titling card cage. Vicon model V192X16-MX66A.	12,671.27	57.70
28 23 00 00-0482	EA	Controls 192 Cameras And 32 Monitors Note: Includes 2 switcher card cages and titling card cage. Vicon model V192X32-MX66A.	19,995.65	57.70
28 23 00 00-0483	EA	Controls 192 Cameras And 48 Monitors Note: Includes 3 switcher card cages and titling card cage. Vicon model V192X48-MX66A.	30,137.02	57.70
28 23 00 00-0484	EA	Controls 192 Cameras And 64 Monitors Note: Includes 4 switcher card cages and titling card cage. Vicon model V192X64-MX66A.	36,686.55	57.70
28 23 00 00-0485	EA	Controls 256 Cameras And 16 Monitors Note: Includes 1 switcher card cage and titling card cage. Vicon model V256X16-MX66A.	15,171.35	65.95
28 23 00 00-0486	EA	Controls 256 Cameras And 32 Monitors Note: Includes 2 switcher card cages and titling card cage. Vicon model V256X32-MX66A.	23,649.97	65.95
28 23 00 00-0487	EA	Controls 256 Cameras And 48 Monitors Note: Includes 3 switcher card cages and titling card cage. Vicon model V256X48-MX66A.	35,457.59	65.95
28 23 00 00-0488	EA	Controls 256 Cameras And 64 Monitors Note: Includes 4 switcher card cages and titling card cage. Vicon model V256X64-MX66A.	45,980.09	65.95
28 23 00 00-0489	EA	Controls 320 Cameras And 16 Monitors Note: Includes 1 switcher card cage and titling card cage. Vicon model V320X16-MX66A.	21,468.22	82.43
28 23 00 00-0490	EA	Controls 320 Cameras And 32 Monitors Note: Includes 2 switcher card cages and titling card cage. Vicon model V320X32-MX66A.	34,740.51	82.43
28 23 00 00-0491	EA	Controls 320 Cameras And 48 Monitors Note: Includes 3 switcher card cages and titling card cage. Vicon model V320X48-MX66A.	50,881.24	82.43
28 23 00 00-0492	EA	Controls 320 Cameras And 64 Monitors Note: Includes 4 switcher card cages and titling card cage. Vicon model V320X64-MX66A.	67,756.93	82.43
28 23 00 00-0493	EA	Controls 384 Cameras And 16 Monitors Note: Includes 1 switcher card cage and titling card cage. Vicon model V384X16-MX66A.	24,079.43	98.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-0494	EA	Controls 384 Cameras And 32 Monitors Note: Includes 2 switcher card cages and titling card cage. Vicon model V384X32-MX66A.	38,435.26	98.92
28 23 00 00-0495	EA	Controls 384 Cameras And 48 Monitors Note: Includes 3 switcher card cages and titling card cage. Vicon model V384X48-MX66A.	57,331.03	98.92
28 23 00 00-0496	EA	Controls 384 Cameras And 64 Monitors Note: Includes 4 switcher card cages and titling card cage. Vicon model V384X64-MX66A.	74,791.53	98.92
28 23 00 00-0497	EA	Controls 448 Cameras And 16 Monitors Note: Includes 1 switcher card cage and titling card cage. Vicon model V448X16-MX66A.	26,704.30	115.40
28 23 00 00-0498	EA	Controls 448 Cameras And 32 Monitors Note: Includes 2 switcher card cages and titling card cage. Vicon model V448X32-MX66A.	42,215.06	115.40
28 23 00 00-0499	EA	Controls 448 Cameras And 48 Monitors Note: Includes 3 switcher card cages and titling card cage. Vicon model V448X48-MX66A.	62,734.04	115.40
28 23 00 00-0500	EA	Controls 448 Cameras And 64 Monitors Note: Includes 4 switcher card cages and titling card cage. Vicon model V448X64-MX66A.	81,931.14	115.40
28 23 00 00-0501	EA	Controls 512 Cameras And 16 Monitors Note: Includes 1 switcher card cage and titling card cage. Vicon model V512X16-MX66A.	29,360.67	131.89
28 23 00 00-0502	EA	Controls 512 Cameras And 32 Monitors Note: Includes 2 switcher card cages and titling card cage. Vicon model V512X32-MX66A.	45,949.72	131.89
28 23 00 00-0503	EA	Controls 512 Cameras And 48 Monitors Note: Includes 3 switcher card cages and titling card cage. Vicon model V512X48-MX66A.	68,208.45	131.89
28 23 00 00-0504	EA	Controls 512 Cameras And 64 Monitors Note: Includes 4 switcher card cages and titling card cage. Vicon model V512X64-MX66A.	89,178.90	131.89
28 23 00 00-0505		**NOVA 1500 Network Switching Control System** *(28 23 00 00-0402)*		
28 23 00 00-0506	EA	NOVA 1500 Central Processing Unit Note: Includes internal graphic configurator, capable of addressing over 8000 camera and 500 monitor and keypad stations. Use with companion NOVA 1500-CDU Communication Distribution Unit and Matrix Switching Systems. Vicon model V1500CPU.	5,318.13	20.61
28 23 00 00-0507	EA	NOVA 1500 Communication Distribution Unit Note: Configured to address 2046 cameras, 128 monitors, 32 keypads, one RS-232 port and monitor titling. Includes one network interface card and one power supply module. Vicon model V1500CDU-1.	3,911.21	20.61
28 23 00 00-0508	EA	NOVA 1500 CDU, Internal Redundant Configuration Note: Configured to address 2046 cameras, 128 monitors, 32 keypads, one RS-232 port and monitor titling. Includes redundant personality modules, power supplies and network cards for automatic switchover Vicon model V1500CDU-H-1.	5,585.87	20.61
28 23 00 00-0509	EA	NOVA 1500CDU, Chassis Note: Includes one network interface card and power supply module. Must be populated with CDU personality modules. Vicon model V1500CDU-CC.	1,774.58	20.61
28 23 00 00-0510	EA	NOVA 1500CDU, Alarm Module Note: Provides communication from V1500CDU to Vicon alarm devices Vicon model V1500CDU-ALRM.	518.16	20.61
28 23 00 00-0511	EA	NOVA 1500CDU, Time/Date/Titler Module Note: Provides control communication between V1500CDU and matrix time/date/titling devices. Vicon model V1500CDU-TDT.	512.91	20.61
28 23 00 00-0512	EA	NOVA 1500CDU, Video Module Note: Provides control communication between V1500CDU and matrix video switcher. Vicon model V1500CDU-VID.	500.66	20.61
28 23 00 00-0513	EA	NOVA 1500CDU, Serial Module Note: Provides control communication between V1500CDU and Vicon system keypads/PTZ receivers or host RS-232 devices Vicon model V1500CDU-SER.	483.16	20.61
28 23 00 00-0514	EA	NOVA 1500CDU, Rear Closure Panel Note: Closes un-populated slots in V1500CDU chassis. Vicon model V1500CDU-RCP.	13.54	0.76
28 23 00 00-0515	EA	NOVA 1500CDU, Redundant Power Supply Module Note: Provides internal power redundancy for the V1500CDU. Vicon model V1500CDU-HSB-POW.	275.61	16.85
28 23 00 00-0516	EA	NOVA 1500CDU, Redundant Network Interface Module Note: Provides internal network communication redundancy for the V1500CDU. Vicon model V1500CDU-HSB-NET.	563.46	34.56
28 23 00 00-0517	EA	NOVA 1500CDU, Redundant Alarm Module Note: Provides internal redundant communication from V1500CDU to alarm devices. Vicon model V1500CDU-HSB-ALRM.	883.88	20.61
28 23 00 00-0518	EA	NOVA 1500CDU, Redundant Time/Date/Titler Module Note: Provides internal redundant communication from V1500CDU to time/date/titler device Vicon model V1500CDU-HSB-TDT.	871.63	20.61
28 23 00 00-0519	EA	NOVA 1500CDU, Redundant Video Module Note: Provides internal redundant communication from V1500CDU to video matrix switcher. Vicon model V1500CDU-HSB-VID.	887.38	20.61
28 23 00 00-0520	EA	NOVA 1500CDU, Redundant Serial Module Note: Provides internal redundant communication from V1500CDU to system keypads, receivers, host RS-232 devices. Vicon model V1500CDU-HSB-SER.	857.64	20.61
28 23 00 00-0521	EA	Multi-Input VGA Monitor/Keyboard Note: Used with V1500CPU, accepts 8 VGA inputs from multiple PCs, includes 2 PC cables. Rack mount only. Vicon model V1500KVM-R.	4,521.14	30.91
28 23 00 00-0522	EA	Cable For Use With V1500-KVM-R Note: Connects additional PCs to V1500-KVM-R. Vicon model V1500KVM-R.	50.25	2.50
28 23 00 00-0523	EA	10' Patch 5 Cable Note: Vicon model CAT5e-Patch-10.	43.25	2.50
28 23 00 00-0524		**Time/Date/Titlers For NOVA 1500** *(28 23 00 00-0402)*		
28 23 00 00-0525	EA	Card Cage Note: Holds up to 16 V1300X-TDT circuit cards, each of which titles 2 monitors (32 monitors total per card cage). Vicon model V1300X-TCC.	551.40	20.61
28 23 00 00-0526	EA	Power Supply Note: Used in V1300X-TCC-1, 1 per card cage. Vicon model V1300X-TC-PS.	325.50	16.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-0527	EA	Master Module Note: Provides addressing for 32 monitors and loop-through signaling for additional V1300X-TCC card cage Vicon model V1400X-TDT-MA.	238.17	20.61
28 23 00 00-0528	EA	Slave Module Note: Provides addressing for 32 monitors in additional V1300X-TCC card cage. Vicon model V1300X-TC-SL-1.	241.67	20.61
28 23 00 00-0529	EA	Time/Date/Titler Assembly Note: Circuit card provides time/date/titles for 2 monitors. Vicon model V1300X-TDT.	301.17	20.61
28 23 00 00-0530	EA	Blank Rear Closure Panel For V1300X-TCC Note: Vicon model V1300X-RCT.	30.58	1.53
28 23 00 00-0531		System Console Control Station *(28 23 00 00-0402)*		
28 23 00 00-0532	EA	System Console Note: Controls NOVA Matrix Systems, AurorA 2000 / AurorACorD multiplexers and recorders and time-lapse VCRs. Vicon model V1400X-DVC-3.	1,479.24	15.46
28 23 00 00-0533	EA	Trackball For Use With System Console Note: Vicon model V1400X-JST.	273.56	15.46
28 23 00 00-0534	EA	Desktop Joystick For Use With System Console Note: Vicon model V1400X-DJT.	315.56	15.46
28 23 00 00-0535		NOVA Control Keypads *(28 23 00 00-0402)*		
28 23 00 00-0536	EA	Control Keypad, Small Profile Desk-Top Note: Provides multi-function control for camera stations with variable-speed joystick for pan-and-tilt control and push buttons for lens function. Vicon model V1410X-DVC.	621.79	15.46
28 23 00 00-0537	EA	Control Keypad, Desk-Top Version With Variable-Speed Joystick Note: Provides multi-function control for camera stations with variable-speed joystick for pan-and-tilt control and push buttons for lens function. Vicon model V1411X-DVC.	763.53	15.46
28 23 00 00-0538	EA	Control Keypad, Desk-Top Version With 3-Function Joystick Note: Provides multi-function control for camera stations with three-function variable-speed joystick for pan-and-tilt control and push buttons for lens function. Vicon model V1411J-DVC.	905.27	15.46
28 23 00 00-0539	EA	Control Keypad, Rack-Mount Version Note: Provides complete switching and control functions for camera stations with variable-speed and fixed-speed pan-and-tilt units. Vicon model V1300X-RVC.	1,195.76	15.46
28 23 00 00-0540	EA	Control Keypad, Desk-Top Version Note: Provides complete switching and control functions for camera stations with variable-speed and fixed-speed pan-and-tilt units Vicon model V1300X-DVC.	1,195.76	15.46
28 23 00 00-0541		Additional System Capabilities NOVA Systems *(28 23 00 00-0402)*		
28 23 00 00-0542	EA	Vicoax Translator Note: Converts Vicon RS-422 PTZ commands to Vicoax, 16 channels. Vicon model V422-VI.	717.64	20.61
28 23 00 00-0543	EA	RS-422 Dual Input Code Merger Note: Merges control data from two separate control systems into one device. Vicon model VSCM-200.	684.40	20.61
28 23 00 00-0544	EA	Video Loss Detector Accepts Up To 256 Camera Inputs Note: Merges control data from two separate control systems into one device. Vicon model V1400X-VLD.	1,216.37	20.61
28 23 00 00-0545	EA	Distribution Line Control Note: Provides up to 10 communication lines from CPU when used in star configuration. Vicon model V1400X-IDL.	717.64	20.61
28 23 00 00-0546	EA	Alarm Interface, Accepts Up To 32 Custom Alarm Inputs Note: Vicon model V1300X-IA.	735.14	20.61
28 23 00 00-0547	EA	Alarm Interface, Accepts Up To 64 Custom Alarm Inputs Note: Vicon model V1300X-IA-EX.	866.39	20.61
28 23 00 00-0548	EA	Alarm Interface, With Relay Follow Note: Vicon model V1300X-IAF.	1,358.11	20.61
28 23 00 00-0549	EA	Cable Adapter 34-25 Pin Note: Vicon model V1300X-CA.	89.57	4.46
28 23 00 00-0550	EA	Relay/Audio-Follow-Video Switcher Note: Mono, 32 inputs, for use with matrix switching systems. Vicon model V1332AF.	792.89	20.61
28 23 00 00-0551		PTZ Receivers *(28 23 00 00-0402)*		
28 23 00 00-0552	EA	Outdoor Variable-Speed Receiver Note: For VIST25 pan-and-tilt, 120 VAC input, 24 VDC output to pan-and-tilt drives. Vicon model V1305R-DC1.	830.14	41.29
28 23 00 00-0553	EA	Outdoor Universal Receiver, 24 Volt AC Input Note: 24 VAC output to pan-and-tilt drives, requires V1311R-VI-1 interface card for Vicoax control and V1311R-VPS-1 interface card for NOVA control. Vicon model V1311RB-1WA.	439.10	21.85
28 23 00 00-0554	EA	Outdoor Universal Receiver, 120 Volt AC Input Note: 24 or 120 VAC output to pan-and-tilt drives, requires V1311R-VI-1 interface card for Vicoax control and V1311R-VPS-1 interface card for NOVA control. Vicon model V1311RB-2WA.	439.10	21.85
28 23 00 00-0555		Receiver Options *(28 23 00 00-0402)*		
28 23 00 00-0556	EA	Interface Card Note: Internal board adapts V1311RB receivers for use with NOVA CPUs. Vicon model V1311R-VPS-1.	240.31	11.96
28 23 00 00-0557	EA	Vicoax Interface Card Note: Adapts V1311RB receiver for use with Vicoax transmitter. Vicon model V1311R-VI-1.	161.66	8.04
28 23 00 00-0558		Closed Circuit Television And Surveillance Systems (Pelco) *(28 23)* Note: Includes programming of equipment, testing of new devices and certification.		
28 23 00 00-0559		Cameras And Accessories *(28 23 00 00-0558)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-0560		Cameras *(28 23 00 00-0559)*		
28 23 00 00-0561		1/3" Format Cameras *(28 23 00 00-0560)*		
28 23 00 00-0562		High Resolution Color, 1/3" Format Cameras *(28 23 00 00-0561)*		
28 23 00 00-0563	EA	Extended Dynamic Range, High Resolution Color, 1/3" Format Camera (Pelco CC3701H-2)	341.15	20.61
28 23 00 00-0564	EA	Low Light, Digital Slow Shutter, High Resolution Color, 1/3" Format Camera (Pelco CC3751H-2)	456.69	20.61
28 23 00 00-0565		Compact, 1/3" Format Cameras *(28 23 00 00-0560)*		
28 23 00 00-0566		High Resolution Color, Compact, 1/3" Format Cameras *(28 23 00 00-0565)*		
28 23 00 00-0567	EA	Wide Dynamic Range, High Resolution Day/Night, Compact, 1/3" Format Camera (Pelco CCC1390H)	546.30	20.61
28 23 00 00-0568	EA	High Resolution Day/Night, Compact, 1/3" Format Camera (Pelco C10DN-6)	447.80	20.61
28 23 00 00-0569		Day/Night, Compact, 1/3" Format Cameras *(28 23 00 00-0565)*		
28 23 00 00-0570	EA	High Resolution Color, Compact, 1/3" Format Camera (Pelco C10CH-6)	263.39	20.61
28 23 00 00-0571		Camerapaks *(28 23 00 00-0559)* Note: Includes camera and lens.		
28 23 00 00-0572		Camerapaks *(28 23 00 00-0571)*		
28 23 00 00-0573		High Resolution Color, Camerapaks *(28 23 00 00-0572)*		
28 23 00 00-0574		Fixed Focus, High Resolution Color, Camerapaks *(28 23 00 00-0573)*		
28 23 00 00-0575		Manual Iris, Fixed Focus, High Resolution Color, Camerapaks *(28 23 00 00-0574)*		
28 23 00 00-0576	EA	2.3 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3)	343.37	20.61
28 23 00 00-0577	EA	2.8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8)	322.64	20.61
28 23 00 00-0578	EA	4 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4)	313.01	20.61
28 23 00 00-0579	EA	8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8)	310.79	20.61
28 23 00 00-0580		Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapaks *(28 23 00 00-0574)*		
28 23 00 00-0581	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3A)	374.48	20.61
28 23 00 00-0582	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8A)	343.37	20.61
28 23 00 00-0583	EA	4 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4A)	335.97	20.61
28 23 00 00-0584	EA	8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8A)	330.04	20.61
28 23 00 00-0585		Varifocal, High Resolution Color, Camerapaks *(28 23 00 00-0573)*		
28 23 00 00-0586		Manual Iris, Varifocal, High Resolution Color, Camerapaks *(28 23 00 00-0585)*		
28 23 00 00-0587	EA	1-3 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1)	404.84	20.61
28 23 00 00-0588	EA	2.5-6 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2)	364.85	20.61
28 23 00 00-0589	EA	2.8-12 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21)	332.27	20.61
28 23 00 00-0590	EA	3-8 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3)	318.93	20.61
28 23 00 00-0591	EA	5-40 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5)	368.56	20.61
28 23 00 00-0592		Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks *(28 23 00 00-0585)*		
28 23 00 00-0593	EA	1-3 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1A)	437.43	20.61
28 23 00 00-0594	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2A)	410.03	20.61
28 23 00 00-0595	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21A)	363.37	20.61
28 23 00 00-0596	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3A)	324.12	20.61
28 23 00 00-0597	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5A)	384.11	20.61
28 23 00 00-0598	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V50A)	434.47	20.61
28 23 00 00-0599	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V55A)	498.90	20.61
28 23 00 00-0600		Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks *(28 23 00 00-0585)*		
28 23 00 00-0601	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R3A)	341.15	20.61
28 23 00 00-0602	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R75A)	408.55	20.61
28 23 00 00-0603		High Resolution Day/Night, Camerapaks *(28 23 00 00-0572)*		
28 23 00 00-0604		Varifocal, High Resolution Day/Night, Camerapaks *(28 23 00 00-0603)*		
28 23 00 00-0605		Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks *(28 23 00 00-0604)*		
28 23 00 00-0606	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V2A)	692.94	20.61
28 23 00 00-0607	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V21A)	646.28	20.61
28 23 00 00-0608	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V3A)	607.03	20.61
28 23 00 00-0609	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V5A)	667.02	20.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-0610	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V50A)	717.38	20.61
28 23 00 00-0611	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V55A)	781.07	20.61
28 23 00 00-0612		Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks *(28 23 00 00-0604)*		
28 23 00 00-0613	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R3A)	624.06	20.61
28 23 00 00-0614	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R75A)	691.46	20.61
28 23 00 00-0615		Compact Camerapaks *(28 23 00 00-0571)*		
28 23 00 00-0616		High Resolution Color, Compact Camerapaks *(28 23 00 00-0615)*		
28 23 00 00-0617		DSS, High Resolution Color, Compact Camerapaks *(28 23 00 00-0616)*		
28 23 00 00-0618		Fixed Focus, DSS, High Resolution Color, Camerapaks *(28 23 00 00-0617)*		
28 23 00 00-0619		Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks *(28 23 00 00-0618)*		
28 23 00 00-0620	EA	2.3 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3)	536.67	20.61
28 23 00 00-0621	EA	2.8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8)	515.93	20.61
28 23 00 00-0622	EA	4 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4)	505.57	20.61
28 23 00 00-0623	EA	8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8)	503.34	20.61
28 23 00 00-0624		Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks *(28 23 00 00-0618)*		
28 23 00 00-0625	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3A)	567.04	20.61
28 23 00 00-0626	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8A)	536.67	20.61
28 23 00 00-0627	EA	4 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4A)	529.27	20.61
28 23 00 00-0628	EA	8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8A)	523.34	20.61
28 23 00 00-0629		Varifocal, DSS, High Resolution Color, Camerapaks *(28 23 00 00-0617)*		
28 23 00 00-0630		Manual Iris, Varifocal, DSS, High Resolution Color, Camerapaks *(28 23 00 00-0629)*		
28 23 00 00-0631	EA	1-3 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1)	598.14	20.61
28 23 00 00-0632	EA	2.5-6 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2)	557.41	20.61
28 23 00 00-0633	EA	2.8-12 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21)	525.56	20.61
28 23 00 00-0634	EA	3-8 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3)	512.23	20.61
28 23 00 00-0635	EA	5-40 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5)	561.11	20.61
28 23 00 00-0636	EA	5-50 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50)	592.96	20.61
28 23 00 00-0637	EA	5.5-82.5 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55)	668.50	20.61
28 23 00 00-0638		Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks *(28 23 00 00-0629)*		
28 23 00 00-0639	EA	1-3 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1A)	629.99	20.61
28 23 00 00-0640	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2A)	603.33	20.61
28 23 00 00-0641	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21A)	556.67	20.61
28 23 00 00-0642	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3A)	516.68	20.61
28 23 00 00-0643	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5A)	577.40	20.61
28 23 00 00-0644	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50A)	627.77	20.61
28 23 00 00-0645	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55A)	691.46	20.61
28 23 00 00-0646		Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks *(28 23 00 00-0629)*		
28 23 00 00-0647	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R3A)	534.45	20.61
28 23 00 00-0648	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R75A)	601.84	20.61
28 23 00 00-0649		EDR, High Resolution Color, Compact Camerapaks *(28 23 00 00-0616)*		
28 23 00 00-0650		Fixed Focus, EDR, High Resolution Color, Camerapaks *(28 23 00 00-0649)*		
28 23 00 00-0651		Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks *(28 23 00 00-0650)*		
28 23 00 00-0652	EA	2.3 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3)	536.67	20.61
28 23 00 00-0653	EA	2.8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8)	400.40	20.61
28 23 00 00-0654	EA	4 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4)	390.03	20.61
28 23 00 00-0655	EA	8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8)	387.81	20.61
28 23 00 00-0656		Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks *(28 23 00 00-0650)*		
28 23 00 00-0657	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3A)	451.50	20.61
28 23 00 00-0658	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8A)	421.14	20.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-0659	EA	4 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4A)	413.73	20.61
28 23 00 00-0660	EA	8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8A)	413.73	20.61
28 23 00 00-0661		Varifocal, EDR, High Resolution Color, Camerapaks *(28 23 00 00-0649)*		
28 23 00 00-0662		Manual Iris, Varifocal, EDR, High Resolution Color, Camerapaks *(28 23 00 00-0661)*		
28 23 00 00-0663	EA	1-3 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1)	482.61	20.61
28 23 00 00-0664	EA	2.5-6 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2)	441.87	20.61
28 23 00 00-0665	EA	2.8-12 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21)	410.03	20.61
28 23 00 00-0666	EA	3-8 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3)	396.70	20.61
28 23 00 00-0667	EA	5-40 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5)	445.58	20.61
28 23 00 00-0668	EA	5-50 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50)	477.42	20.61
28 23 00 00-0669	EA	5.5-82.5 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55)	552.96	20.61
28 23 00 00-0670		Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks *(28 23 00 00-0661)*		
28 23 00 00-0671	EA	1-3 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1A)	514.45	20.61
28 23 00 00-0672	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2A)	487.79	20.61
28 23 00 00-0673	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21A)	440.39	20.61
28 23 00 00-0674	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3A)	401.14	20.61
28 23 00 00-0675	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5A)	461.87	20.61
28 23 00 00-0676	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50A)	512.23	20.61
28 23 00 00-0677	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55A)	575.92	20.61
28 23 00 00-0678		Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks *(28 23 00 00-0661)*		
28 23 00 00-0679	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R3A)	418.92	20.61
28 23 00 00-0680	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R75A)	486.31	20.61
28 23 00 00-0681		High Resolution Day/Night, Compact Camerapaks *(28 23 00 00-0615)*		
28 23 00 00-0682		Fixed Focus, High Resolution Day/Night, Compact Camerapaks *(28 23 00 00-0681)*		
28 23 00 00-0683		Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks *(28 23 00 00-0682)*		
28 23 00 00-0684	EA	8 mm, Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F8)	495.20	20.61
28 23 00 00-0685		DC-Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks *(28 23 00 00-0682)*		
28 23 00 00-0686	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.3A)	558.89	20.61
28 23 00 00-0687	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.8A)	527.78	20.61
28 23 00 00-0688		Varifocal, High Resolution Day/Night, Compact Camerapaks *(28 23 00 00-0681)*		
28 23 00 00-0689		Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks *(28 23 00 00-0688)*		
28 23 00 00-0690	EA	2.8-12 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21)	516.68	20.61
28 23 00 00-0691	EA	3-8 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3)	503.34	20.61
28 23 00 00-0692	EA	5-50 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50)	584.81	20.61
28 23 00 00-0693		Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks *(28 23 00 00-0688)*		
28 23 00 00-0694	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V2A)	594.44	20.61
28 23 00 00-0695	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21A)	547.78	20.61
28 23 00 00-0696	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3A)	508.53	20.61
28 23 00 00-0697	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V5A)	568.52	20.61
28 23 00 00-0698	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50A)	618.88	20.61
28 23 00 00-0699	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V55A)	683.31	20.61
28 23 00 00-0700		Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks *(28 23 00 00-0688)*		
28 23 00 00-0701	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R3A)	525.56	20.61
28 23 00 00-0702	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R75A)	592.96	20.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-0703		Camera Systems *(28 23 00 00-0559)*		
28 23 00 00-0704		Camera Dome Systems *(28 23 00 00-0703)*		
28 23 00 00-0705		Spectra®, Pan/Tilt Camera Dome Systems *(28 23 00 00-0704)*		
28 23 00 00-0706		Spectra®, Pan/Tilt Camera Dome Systems *(28 23 00 00-0705)* Note: Includes dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.		
28 23 00 00-0707		Spectra® IV, Pan/Tilt Camera Dome Systems *(28 23 00 00-0706)*		
28 23 00 00-0708		Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems *(28 23 00 00-0707)*		
28 23 00 00-0709	EA	22X, Surface Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-SMB)	2,193.59	123.64
28 23 00 00-0710	EA	22X, In-Ceiling Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-F)	2,497.23	123.64
28 23 00 00-0711	EA	22X, Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PB)	2,633.50	123.64
28 23 00 00-0712	EA	22X, Environmental Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PG-E)	3,652.57	123.64
28 23 00 00-0713		Color, Spectra® IV, Pan/Tilt Camera Dome Systems *(28 23 00 00-0707)*		
28 23 00 00-0714	EA	16X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-SMB)	1,849.21	123.64
28 23 00 00-0715	EA	16X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F)	2,002.51	123.64
28 23 00 00-0716	EA	16X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PB)	2,139.52	123.64
28 23 00 00-0717	EA	16X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F-E)	2,218.03	123.64
28 23 00 00-0718	EA	16X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PG-E)	2,218.03	123.64
28 23 00 00-0719	EA	22X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-SMB)	2,323.93	123.64
28 23 00 00-0720	EA	22X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F)	2,628.32	123.64
28 23 00 00-0721	EA	22X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PB)	2,765.33	123.64
28 23 00 00-0722	EA	22X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F-E)	2,843.83	123.64
28 23 00 00-0723	EA	22X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PG-E)	2,843.83	123.64
28 23 00 00-0724		Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems *(28 23 00 00-0707)*		
28 23 00 00-0725	EA	23X, Surface Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-SMB)	2,703.86	123.64
28 23 00 00-0726	EA	23X, In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F)	3,008.25	123.64
28 23 00 00-0727	EA	23X, Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PB)	3,145.26	123.64
28 23 00 00-0728	EA	23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F-E)	3,223.76	123.64
28 23 00 00-0729	EA	23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PG-E)	3,223.76	123.64
28 23 00 00-0730		Day/Night, Spectra® IV, Pan/Tilt Camera Dome Systems *(28 23 00 00-0707)*		
28 23 00 00-0731	EA	18X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-SMB)	2,455.02	123.64
28 23 00 00-0732	EA	18X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F)	2,609.06	123.64
28 23 00 00-0733	EA	18X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PB)	2,745.33	123.64
28 23 00 00-0734	EA	18X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F-E)	2,823.84	123.64
28 23 00 00-0735	EA	18X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PG-E)	2,823.84	123.64
28 23 00 00-0736	EA	35X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-SMB)	2,953.44	123.64
28 23 00 00-0737	EA	35X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F)	3,195.62	123.64
28 23 00 00-0738	EA	35X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PB)	3,331.89	123.64
28 23 00 00-0739	EA	35X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F-E)	3,410.39	123.64
28 23 00 00-0740	EA	35X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PG-E)	3,410.39	123.64
28 23 00 00-0741		Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems *(28 23 00 00-0706)*		
28 23 00 00-0742		Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems *(28 23 00 00-0741)*		
28 23 00 00-0743	EA	16X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HF)	2,402.44	123.64
		For Protective Lower Dome Cage, Add	*34.65*	
28 23 00 00-0744	EA	16X, Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HP)	2,534.26	123.64
		For Protective Lower Dome Cage, Add	*34.65*	
28 23 00 00-0745	EA	16X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HPE)	2,639.43	123.64
		For Protective Lower Dome Cage, Add	*34.65*	
28 23 00 00-0746	EA	22X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HF)	2,982.33	123.64
		For Protective Lower Dome Cage, Add	*34.65*	
28 23 00 00-0747	EA	22X, Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HP)	3,114.15	123.64
		For Protective Lower Dome Cage, Add	*34.65*	
28 23 00 00-0748	EA	22X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HPE)	3,220.06	123.64
		For Protective Lower Dome Cage, Add	*34.65*	
28 23 00 00-0749		Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems *(28 23 00 00-0741)*		
28 23 00 00-0750	EA	18X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HF)	3,008.25	123.64
		For Protective Lower Dome Cage, Add	*34.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-0751	EA	18X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HP)	3,140.07	123.64
		For Protective Lower Dome Cage, Add	*34.65*	
28 23 00 00-0752	EA	18X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HPE)	3,245.98	123.64
		For Protective Lower Dome Cage, Add	*34.65*	
28 23 00 00-0753	EA	35X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HF)	3,549.63	123.64
		For Protective Lower Dome Cage, Add	*34.65*	
28 23 00 00-0754	EA	35X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HP)	3,680.71	123.64
		For Protective Lower Dome Cage, Add	*34.65*	
28 23 00 00-0755	EA	35X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HPE)	3,786.62	123.64
		For Protective Lower Dome Cage, Add	*34.65*	
28 23 00 00-0756		Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems *(28 23 00 00-0706)*		
28 23 00 00-0757		Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems *(28 23 00 00-0756)*		
28 23 00 00-0758	EA	18X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PRE)	3,980.65	123.64
28 23 00 00-0759	EA	35X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PRE)	4,522.03	123.64
28 23 00 00-0760		Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems *(28 23 00 00-0706)*		
28 23 00 00-0761		Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems *(28 23 00 00-0760)*		
28 23 00 00-0762	EA	22X, Environmental Pendant Mount, Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PSGE)	3,460.75	123.64
28 23 00 00-0763		Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems *(28 23 00 00-0760)*		
28 23 00 00-0764	EA	16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PSGE)	3,011.95	123.64
28 23 00 00-0765	EA	22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PSGE)	3,592.58	123.64
28 23 00 00-0766		Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems *(28 23 00 00-0760)*		
28 23 00 00-0767	EA	23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PSGE)	3,972.51	123.64
28 23 00 00-0768		Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems *(28 23 00 00-0760)*		
28 23 00 00-0769	EA	18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PSGE)	3,618.50	123.64
28 23 00 00-0770	EA	35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PSGE)	4,159.14	123.64
28 23 00 00-0771		Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems *(28 23 00 00-0706)*		
28 23 00 00-0772		Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems *(28 23 00 00-0771)*		
28 23 00 00-0773	EA	10X, In-Ceiling Mount, Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome System (Pelco SD4-B)	1,385.59	123.64
28 23 00 00-0774		Spectra® IP Network, Pan/Tilt Camera Dome Systems *(28 23 00 00-0705)* Note: Includes simultaneous IP and analog video and control, dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.		
28 23 00 00-0775		Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 23 00 00-0774)*		
28 23 00 00-0776		Color, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 23 00 00-0775)*		
28 23 00 00-0777	EA	16X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F)	2,555.74	123.64
28 23 00 00-0778	EA	16X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PB)	2,692.75	123.64
28 23 00 00-0779	EA	16X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F-E)	2,771.25	123.64
28 23 00 00-0780	EA	16X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PG-E)	2,771.25	123.64
28 23 00 00-0781	EA	22X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F1)	3,181.55	123.64
28 23 00 00-0782	EA	22X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PB-1)	3,318.56	123.64
28 23 00 00-0783	EA	22X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F-E1)	3,397.06	123.64
28 23 00 00-0784	EA	22X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PG-E1)	3,397.06	123.64
28 23 00 00-0785		Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 23 00 00-0775)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-0786	EA	23X, In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F1)	3,561.47	123.64
28 23 00 00-0787	EA	23X, Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PB-1)	3,698.49	123.64
28 23 00 00-0788	EA	23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F-E1)	3,776.99	123.64
28 23 00 00-0789	EA	23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PG-E1)	3,776.99	123.64
28 23 00 00-0790		Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 23 00 00-0774)*		
28 23 00 00-0791		Color, Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 23 00 00-0790)*		
28 23 00 00-0792	EA	16X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HF1)	2,955.66	123.64
		For Protective Lower Dome Cage, Add	*34.65*	
28 23 00 00-0793	EA	16X, Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HP1)	3,087.49	123.64
		For Protective Lower Dome Cage, Add	*34.65*	
28 23 00 00-0794	EA	16X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HPE1)	3,192.66	123.64
		For Protective Lower Dome Cage, Add	*34.65*	
28 23 00 00-0795	EA	22X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HF1)	3,535.55	123.64
		For Protective Lower Dome Cage, Add	*34.65*	
28 23 00 00-0796	EA	22X, Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HP1)	3,667.38	123.64
		For Protective Lower Dome Cage, Add	*34.65*	
28 23 00 00-0797	EA	22X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HPE1)	3,773.29	123.64
		For Protective Lower Dome Cage, Add	*34.65*	
28 23 00 00-0798		Day/Night, Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 23 00 00-0790)*		
28 23 00 00-0799	EA	18X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HF1)	3,561.47	123.64
		For Protective Lower Dome Cage, Add	*34.65*	
28 23 00 00-0800	EA	18X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HP1)	3,693.30	123.64
		For Protective Lower Dome Cage, Add	*34.65*	
28 23 00 00-0801	EA	18X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HPE1)	3,799.21	123.64
		For Protective Lower Dome Cage, Add	*34.65*	
28 23 00 00-0802	EA	35X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HF1)	4,102.85	123.64
		For Protective Lower Dome Cage, Add	*34.65*	
28 23 00 00-0803	EA	35X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HP1)	4,233.94	123.64
		For Protective Lower Dome Cage, Add	*34.65*	
28 23 00 00-0804	EA	35X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HPE1)	4,339.85	123.64
		For Protective Lower Dome Cage, Add	*34.65*	
28 23 00 00-0805		Stainless Steel Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 23 00 00-0774)*		
28 23 00 00-0806		Color, Stainless Steel Spectra® IV IP Network, Camera Dome Systems *(28 23 00 00-0805)*		
28 23 00 00-0807	EA	16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-PSGE1)	3,565.18	123.64
28 23 00 00-0808	EA	22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-PSGE1)	4,145.81	123.64
28 23 00 00-0809		Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome Systems *(28 23 00 00-0805)*		
28 23 00 00-0810	EA	23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1)	4,525.74	123.64
28 23 00 00-0811		Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome Systems *(28 23 00 00-0805)*		
28 23 00 00-0812	EA	18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-PSGE1)	4,171.73	123.64
28 23 00 00-0813	EA	35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1)	4,712.37	123.64
28 23 00 00-0814		Miniature Spectra® IP Network, Mini Pan/Tilt Camera Dome Systems *(28 23 00 00-0774)*		
28 23 00 00-0815		Color, Miniature Spectra® IP Network, Mini Camera Dome Systems *(28 23 00 00-0814)*		
28 23 00 00-0816	EA	10X, In-Ceiling Mount, Color, Miniature Spectra® IP Network, Black Mini Camera Dome System (Pelco SD4N-W1)	1,742.56	123.64

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-0817		Spectra®, Pan/Tilt Dome Drives *(28 23 00 00-0705)*		
		Note: Includes dome drive, camera and lens.		
28 23 00 00-0818	EA	10X, Color Camera, Spectra® Mini Dome Drive (Pelco DD4)	1,288.84	103.03
28 23 00 00-0819	EA	10X, Color Camera, Spectra® IP Network, Mini Dome Drive (Pelco DD4N)	1,644.33	103.03
28 23 00 00-0820	EA	22X, Black And White Camera, Spectra® IV Dome Drive (Pelco DD4M22)	2,083.50	103.03
28 23 00 00-0821	EA	16X, Color Camera, Spectra® IV Dome Drive (Pelco DD4TC16)	1,634.70	103.03
28 23 00 00-0822	EA	22X, Color Camera, Spectra® IV Dome Drive (Pelco DD4C22)	2,214.59	103.03
28 23 00 00-0823	EA	18X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW18)	2,240.51	103.03
28 23 00 00-0824	EA	23X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW23)	2,594.52	103.03
28 23 00 00-0825	EA	35X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW35)	2,781.89	103.03
28 23 00 00-0826	EA	35X, Color/Black And White Camera, Spectra® IV Horizon Dome Drive (Pelco DD4H35)	2,781.89	103.03
28 23 00 00-0827		Accessories For Spectra® Pan/Tilt Camera Dome Systems *(28 23 00 00-0705)*		
28 23 00 00-0828	EA	Upgrade To Chrome Lower Dome (Pelco Spectra)	104.42	
28 23 00 00-0829	EA	Upgrade To Gold Lower Dome (Pelco Spectra)	136.27	
28 23 00 00-0830	EA	Wall Mount For Spectra® Systems (Pelco IWM-BK)	112.44	10.30
28 23 00 00-0831	EA	24 Volt Out, Wall Mount For Spectra® Systems (Pelco IWM24-BK)	285.00	10.30
28 23 00 00-0832	EA	Wall Arm Mount For Spectra® Systems (Pelco IDM4018)	109.48	10.30
28 23 00 00-0833	EA	Wall Arm Mount With Feed Through For Stainless Steel Spectra® IV Systems (Pelco IDM4012SS)	304.26	10.30
28 23 00 00-0834	EA	Pole Mount Adapter For Spectra® Systems (Pelco PA402)	56.79	6.13
28 23 00 00-0835		Camclosure®, Camera Dome Systems *(28 23 00 00-0704)*		
28 23 00 00-0836		Camclosure® IS Integrated, Camera Dome Systems *(28 23 00 00-0835)*		
28 23 00 00-0837		Camclosure® IS Integrated, Camera Dome Systems *(28 23 00 00-0836)*		
28 23 00 00-0838		High Resolution Color, Camclosure® IS Integrated, Camera Dome Systems *(28 23 00 00-0837)*		
28 23 00 00-0839	EA	12 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CH12)	510.20	123.64
28 23 00 00-0840	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CHV22)	554.64	123.64
28 23 00 00-0841	EA	12 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS110-CH12)	617.59	123.64
28 23 00 00-0842	EA	12 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS150-CH12)	617.59	123.64
28 23 00 00-0843		Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome Systems *(28 23 00 00-0837)*		
28 23 00 00-0844	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90B-CWV22)	625.74	123.64
28 23 00 00-0845	EA	9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-CWV22)	683.50	123.64
28 23 00 00-0846	EA	9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-CWV22)	683.50	123.64
28 23 00 00-0847		Day/Night, Camclosure® IS Integrated, Camera Dome Systems *(28 23 00 00-0837)*		
28 23 00 00-0848	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, White Camera Dome System (Pelco IS90-DNV22)	719.05	123.64
28 23 00 00-0849	EA	9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-DNV22)	861.99	123.64
28 23 00 00-0850	EA	9-22 mm, Environmental In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DNV22)	861.99	123.64
28 23 00 00-0851		Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome Systems *(28 23 00 00-0837)*		
28 23 00 00-0852	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-DWV22)	787.19	123.64
28 23 00 00-0853	EA	9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DWV22)	879.02	123.64
28 23 00 00-0854		Camclosure® IS Integrated, Bullet Style Camera Systems *(28 23 00 00-0836)*		
28 23 00 00-0855		High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera Systems *(28 23 00 00-0854)*		
28 23 00 00-0856	EA	3.6 mm, Wall/Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CH3.6)	567.75	82.43
28 23 00 00-0857		Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera Systems *(28 23 00 00-0854)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-0858	EA	9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CWV22)	651.43	82.43
28 23 00 00-0859		Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems *(28 23 00 00-0854)*		
28 23 00 00-0860	EA	9-22 mm, Wall/Ceiling Mount, Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DNV22)	718.09	82.43
28 23 00 00-0861		Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems *(28 23 00 00-0854)*		
28 23 00 00-0862	EA	9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DWV22)	751.42	82.43
28 23 00 00-0863		Camclosure® IS Integrated Cameras *(28 23 00 00-0836)*		
28 23 00 00-0864	EA	12 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CH12)	397.41	82.43
28 23 00 00-0865	EA	9-22 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CHV22)	397.41	82.43
28 23 00 00-0866	EA	9-22 mm, Wide Dynamic Range Color, Camclosure® IS Integrated Camera (Pelco IS-CWV22)	463.32	82.43
28 23 00 00-0867	EA	9-22 mm, Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DNV22)	641.81	82.43
28 23 00 00-0868	EA	9-22 mm, Wide Dynamic Range Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DWV22)	658.84	82.43
28 23 00 00-0869		Camclosure® ICS Integrated, Camera Dome Systems *(28 23 00 00-0835)*		
28 23 00 00-0870		Camclosure® ICS Integrated, Camera Dome Systems *(28 23 00 00-0869)*		
28 23 00 00-0871		Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems *(28 23 00 00-0870)*		
28 23 00 00-0872	EA	12 mm, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12)	436.88	123.64
28 23 00 00-0873	EA	12 mm, UTP, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12T)	468.73	123.64
28 23 00 00-0874	EA	12 mm, Environmental Surface Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS110-CA12)	596.11	123.64
28 23 00 00-0875	EA	12 mm, Environmental In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS150-CA12)	596.11	123.64
28 23 00 00-0876		High Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems *(28 23 00 00-0870)*		
28 23 00 00-0877	EA	3–9 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS151-CDV39A)	739.05	123.64
28 23 00 00-0878		Camclosure® ICS Integrated, Bullet Style Camera Systems *(28 23 00 00-0869)*		
28 23 00 00-0879		Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera Systems *(28 23 00 00-0878)*		
28 23 00 00-0880	EA	12 mm, Wall/Ceiling Mount, Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera System (Pelco ICS310-CA12)	513.68	82.43
28 23 00 00-0881		Camclosure® ICS Integrated, Wedge Style Camera Systems *(28 23 00 00-0869)*		
28 23 00 00-0882		High Resolution Color, Camclosure® ICS Integrated, Wedge Style Camera Systems *(28 23 00 00-0881)*		
28 23 00 00-0883	EA	9-22 mm, High Resolution, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CHV22)	683.50	123.64
28 23 00 00-0884		Wide Dynamic Range Color, Camclosure® ICS Integrated, Wedge Style Camera Systems *(28 23 00 00-0881)*		
28 23 00 00-0885	EA	9-22 mm, Wide Dynamic Range, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CWV22)	750.16	123.64
28 23 00 00-0886		Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems *(28 23 00 00-0881)*		
28 23 00 00-0887	EA	9-22 mm, Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DNV22)	833.85	123.64
28 23 00 00-0888		Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems *(28 23 00 00-0881)*		
28 23 00 00-0889	EA	9-22 mm, Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DWV22)	867.17	123.64
28 23 00 00-0890		Camclosure® IP Network, Camera Dome Systems *(28 23 00 00-0835)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-0891		Camclosure® IP Network, Camera Dome Systems *(28 23 00 00-0890)*		
28 23 00 00-0892		High Resolution Color, Camclosure® IP Network, Camera Dome Systems *(28 23 00 00-0891)*		
28 23 00 00-0893	EA	3-9.5 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV9)	1,234.51	123.64
28 23 00 00-0894	EA	9-22 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV22)	1,234.51	123.64
28 23 00 00-0895		Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome Systems *(28 23 00 00-0891)*		
28 23 00 00-0896	EA	3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV9)	1,326.34	123.64
28 23 00 00-0897	EA	9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV22)	1,326.34	123.64
28 23 00 00-0898		Day/Night, Camclosure® IP Network, Camera Dome Systems *(28 23 00 00-0891)*		
28 23 00 00-0899	EA	3-9.5 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV9)	1,467.80	123.64
28 23 00 00-0900	EA	9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV22)	1,467.80	123.64
28 23 00 00-0901		Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome Systems *(28 23 00 00-0891)*		
28 23 00 00-0902	EA	3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV9)	1,567.78	123.64
28 23 00 00-0903	EA	9-22 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV22)	1,567.78	123.64
28 23 00 00-0904		Accessories For Camclosure® Camera Dome Systems *(28 23 00 00-0835)*		
28 23 00 00-0905	EA	4S Gangbox Adapter Plate For ICS110 Camclosure® Systems (Pelco ICS110-AP)	25.70	6.18
28 23 00 00-0906	EA	4S Adapter Plate For ICS310 Camclosure® Systems (Pelco ICS310-AP)	25.70	6.18
28 23 00 00-0907	EA	Sun Shield For ICS310 Camclosure® Systems (Pelco ICS310-SS)	33.94	10.30
28 23 00 00-0908	EA	Conduit Adapter For ICS310 Camclosure® Systems (Pelco ICS310-COND)	54.68	10.30
28 23 00 00-0909	EA	2' x 2' Ceiling Panel For ICS150 Camclosure® Systems (Pelco ICS150-P)	56.81	6.18
28 23 00 00-0910	EA	Pendant Mount Adapter For Camclosure® ICS110 Systems (Pelco ICS110-PG)	54.68	10.30
28 23 00 00-0911	EA	Corner Mount Adapter For ICS200 Camclosure® Systems (Pelco ICS210-CM)	69.49	10.30
28 23 00 00-0912	EA	Smoked, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO110A)	186.37	20.61
28 23 00 00-0913	EA	Clear, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO111A)	186.37	20.61
28 23 00 00-0914	EA	Smoked, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO150A)	186.37	20.61
28 23 00 00-0915	EA	Clear, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO151A)	186.37	20.61
28 23 00 00-0916	EA	Pendant Mount Adapter For Camclosure® IP Systems (Pelco IP110-P)	65.79	10.30
28 23 00 00-0917	EA	Smoked Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP110-LD)	74.54	20.61
28 23 00 00-0918	EA	Clear Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP111-LD)	74.54	20.61
28 23 00 00-0919	EA	Smoked Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS110-LD)	74.54	20.61
28 23 00 00-0920	EA	Clear Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS111-LD)	74.54	20.61
28 23 00 00-0921	EA	Smoked Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS150-LD)	74.54	20.61
28 23 00 00-0922	EA	Clear Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS151-LD)	74.54	20.61
28 23 00 00-0923	EA	Surface Mount Enclosure Only, Environmental, Camclosure® IS Systems (Pelco IS110-ENC)	217.00	28.15
28 23 00 00-0924	EA	Ceiling Mount Enclosure Only, Environmental, Camclosure® IS Systems (Pelco IS150-ENC)	217.00	28.15
28 23 00 00-0925	EA	Black Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90B-P)	46.53	10.30
28 23 00 00-0926	EA	Black Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90B-PW)	79.86	10.30
28 23 00 00-0927	EA	White Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90-P)	46.53	10.30
28 23 00 00-0928	EA	White Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90-PW)	79.86	10.30
28 23 00 00-0929	EA	Surface Mount Enclosure Only, Environmental, IP Camclosure® (Pelco IP110-ENC)	1,150.82	123.64
28 23 00 00-0930		Pan/Tilt Camera Systems *(28 23 00 00-0703)*		
28 23 00 00-0931		Esprit® CBZ, Pan/Tilt Camera Systems *(28 23 00 00-0930)* Note: Includes powder coated aluminum pan/tilt enclosure, receiver, camera, lens, built in heater, window defroster/defogger, sun shroud, insulation blanket, 24V power supply and mounting hardware.		
28 23 00 00-0932		EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems *(28 23 00 00-0931)*		
28 23 00 00-0933		Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems *(28 23 00 00-0932)*		
28 23 00 00-0934	EA	10X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10N)	3,268.90	185.47
28 23 00 00-0935	EA	20X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20N)	3,714.00	185.47
28 23 00 00-0936	EA	30X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30N)	4,330.92	185.47
28 23 00 00-0937	EA	10X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PN)	3,364.44	185.47
28 23 00 00-0938	EA	20X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PN)	3,829.53	185.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-0939	EA	30X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PN)	4,446.45	185.47
28 23 00 00-0940		**Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems** *(28 23 00 00-0932)*		
28 23 00 00-0941	EA	10X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10W)	3,299.26	185.47
28 23 00 00-0942	EA	20X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20W)	3,744.36	185.47
28 23 00 00-0943	EA	30X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30W)	4,361.28	185.47
28 23 00 00-0944	EA	10X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PW)	3,395.54	185.47
28 23 00 00-0945	EA	20X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PW)	3,859.90	185.47
28 23 00 00-0946	EA	30X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PW)	4,476.82	185.47
28 23 00 00-0947		**Esprit® CLZ, Pan/Tilt Camera Systems** *(28 23 00 00-0930)*		
28 23 00 00-0948		**DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems** *(28 23 00 00-0947)*		
28 23 00 00-0949		**Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems** *(28 23 00 00-0948)*		
28 23 00 00-0950	EA	10X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10N)	3,384.43	185.47
28 23 00 00-0951	EA	20X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20N)	3,829.53	185.47
28 23 00 00-0952	EA	30X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30N)	4,446.45	185.47
28 23 00 00-0953	EA	10X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PN)	3,479.97	185.47
28 23 00 00-0954	EA	20X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PN)	3,945.07	185.47
28 23 00 00-0955	EA	30X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PN)	4,561.99	185.47
28 23 00 00-0956		**Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems** *(28 23 00 00-0948)*		
28 23 00 00-0957	EA	10X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10W)	3,414.80	185.47
28 23 00 00-0958	EA	20X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20W)	3,859.90	185.47
28 23 00 00-0959	EA	30X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30W)	4,476.82	185.47
28 23 00 00-0960	EA	10X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PW)	3,511.07	185.47
28 23 00 00-0961	EA	20X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PW)	3,975.43	185.47
28 23 00 00-0962	EA	30X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PW)	4,592.35	185.47
28 23 00 00-0963		**Esprit® AJZ, Pan/Tilt Camera Systems** *(28 23 00 00-0930)*		
28 23 00 00-0964		**High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems** *(28 23 00 00-0963)*		
28 23 00 00-0965		**Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems** *(28 23 00 00-0964)*		
28 23 00 00-0966	EA	6 x 10, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10N)	3,191.13	185.47
28 23 00 00-0967	EA	5.6 x 20, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20N)	3,636.24	185.47
28 23 00 00-0968	EA	5.5 x 30, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30N)	4,253.16	185.47
28 23 00 00-0969	EA	6 x 10, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10PN)	3,287.41	185.47
28 23 00 00-0970	EA	5.6 x 20, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PN)	3,751.77	185.47
28 23 00 00-0971	EA	5.5 x 30, Preset Positioning, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PN)	4,368.69	185.47
28 23 00 00-0972		**Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems** *(28 23 00 00-0964)*		
28 23 00 00-0973	EA	6 x 10, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W)	3,222.24	185.47
28 23 00 00-0974	EA	5.6 x 20, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20W)	3,666.60	185.47
28 23 00 00-0975	EA	5.5 x 30, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30W)	4,284.26	185.47
28 23 00 00-0976	EA	6 x 8, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ8PW)	3,243.72	185.47
28 23 00 00-0977	EA	6 x 10, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W)	3,317.78	185.47
28 23 00 00-0978	EA	5.6 x 20, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PW)	3,782.13	185.47
28 23 00 00-0979	EA	5.5 x 30, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PW)	4,399.79	185.47

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-0980		Esprit® AMZ, Pan/Tilt Camera Systems *(28 23 00 00-0930)*		
28 23 00 00-0981		Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems *(28 23 00 00-0980)*		
28 23 00 00-0982		Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems *(28 23 00 00-0981)*		
28 23 00 00-0983	EA	5.6 x 20, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20N)	3,820.64	185.47
28 23 00 00-0984	EA	5.5 x 30, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30N)	4,437.56	185.47
28 23 00 00-0985	EA	6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PN)	3,471.82	185.47
28 23 00 00-0986	EA	5.6 x 20, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PN)	3,936.18	185.47
28 23 00 00-0987	EA	5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PN)	4,553.10	185.47
28 23 00 00-0988		Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems *(28 23 00 00-0981)*		
28 23 00 00-0989	EA	6 x 10, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10W)	3,406.65	185.47
28 23 00 00-0990	EA	5.6 x 20, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20W)	3,851.01	185.47
28 23 00 00-0991	EA	5.5 x 30, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30W)	4,468.67	185.47
28 23 00 00-0992	EA	6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PW)	3,502.19	185.47
28 23 00 00-0993	EA	5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PW)	3,966.54	185.47
28 23 00 00-0994	EA	5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PW)	4,584.20	185.47
28 23 00 00-0995		Esprit® KWZ, Pan/Tilt Camera Systems *(28 23 00 00-0930)*		
28 23 00 00-0996		Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems *(28 23 00 00-0995)*		
28 23 00 00-0997		Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems *(28 23 00 00-0996)*		
28 23 00 00-0998	EA	5.5 x 30, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30N)	4,536.06	185.47
28 23 00 00-0999	EA	6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PN)	3,569.58	185.47
28 23 00 00-1000	EA	5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PN)	4,651.60	185.47
28 23 00 00-1001		Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems *(28 23 00 00-0996)*		
28 23 00 00-1002	EA	6 x 10, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10W)	3,504.41	185.47
28 23 00 00-1003	EA	5.5 x 30, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30W)	4,567.17	185.47
28 23 00 00-1004	EA	6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PW)	3,600.69	185.47
28 23 00 00-1005	EA	5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ20PW)	4,065.04	185.47
28 23 00 00-1006	EA	5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PW)	4,682.70	185.47
28 23 00 00-1007		Esprit® IOC, Pan/Tilt Camera Systems *(28 23 00 00-0930)*		
28 23 00 00-1008		Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 23 00 00-1007)*		
28 23 00 00-1009		Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 23 00 00-1008)*		
28 23 00 00-1010	EA	16X, Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2N)	3,814.72	185.47
28 23 00 00-1011		Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 23 00 00-1008)*		
28 23 00 00-1012	EA	16X, Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2W)	3,845.08	185.47
28 23 00 00-1013		High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 23 00 00-1007)*		
28 23 00 00-1014		Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 23 00 00-1013)*		
28 23 00 00-1015	EA	22X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2N)	4,536.06	185.47
28 23 00 00-1016	EA	24X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2N)	4,384.98	185.47
28 23 00 00-1017	EA	35X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2N)	4,988.57	185.47
28 23 00 00-1018		Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 23 00 00-1013)*		
28 23 00 00-1019	EA	22X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2W)	4,565.69	185.47
28 23 00 00-1020	EA	24X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2W)	4,384.98	185.47
28 23 00 00-1021	EA	35X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2W)	5,021.90	185.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-1022		Esprit® IOP, Pan/Tilt Camera Systems *(28 23 00 00-0930)*		
28 23 00 00-1023		High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems *(28 23 00 00-1022)*		
28 23 00 00-1024		Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems *(28 23 00 00-1023)*		
28 23 00 00-1025	EA	16X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2N)	2,926.74	185.47
28 23 00 00-1026	EA	22X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2N)	3,648.83	185.47
28 23 00 00-1027	EA	24X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2N)	3,499.97	185.47
28 23 00 00-1028	EA	35X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2N)	3,970.25	185.47
28 23 00 00-1029		Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems *(28 23 00 00-1023)*		
28 23 00 00-1030	EA	16X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2W)	2,956.36	185.47
28 23 00 00-1031	EA	22X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2W)	3,679.19	185.47
28 23 00 00-1032	EA	24X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2W)	3,530.33	185.47
28 23 00 00-1033	EA	35X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2W)	4,003.57	185.47
28 23 00 00-1034		Esprit® Thermal, Pan/Tilt Camera Systems *(28 23 00 00-0930)*		
28 23 00 00-1035		Esprit® Thermal, Pan/Tilt Camera Systems *(28 23 00 00-1034)*		
28 23 00 00-1036		Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera Systems *(28 23 00 00-1035)*		
28 23 00 00-1037	EA	14.25 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2N)	18,965.17	185.47
28 23 00 00-1038	EA	35 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2N)	20,396.75	185.47
28 23 00 00-1039	EA	50 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2N)	20,877.40	185.47
28 23 00 00-1040		Wall Mount, Esprit® Thermal, Pan/Tilt Camera Systems *(28 23 00 00-1035)*		
28 23 00 00-1041	EA	14.25 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2W)	18,996.28	185.47
28 23 00 00-1042	EA	35 mm, 30 Hertz, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2W)	20,427.12	185.47
28 23 00 00-1043	EA	50 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2W)	20,907.77	185.47
28 23 00 00-1044		Accessories For Esprit® Pan/Tilt Camera Systems *(28 23 00 00-0930)*		
28 23 00 00-1045	EA	Wiper Blade Replacement For Esprit® Systems (Pelco ES-REPLBLADE)	8.06	2.06
28 23 00 00-1046	EA	Marine Mounting Kit For Esprit® Systems (Pelco ES-MKIT)	46.53	10.30
28 23 00 00-1047	EA	Indoor/Outdoor Wall Mount For Esprit® Systems (Pelco EWM)	73.19	10.30
28 23 00 00-1048	EA	Wall Mount For High Security Enclosures (Pelco HSWM12)	93.19	10.30
28 23 00 00-1049	EA	Ground Isolation Transformer (Pelco GIT100)	268.85	28.15
28 23 00 00-1050	EA	High Security, Indoor Wedge Style Enclosure (Pelco HS2100)	265.14	28.15
28 23 00 00-1051	EA	High Security, Indoor 10" Length Enclosure (Pelco HS3000)	322.91	28.15
28 23 00 00-1052	EA	High Security, Indoor Medium Corner Mount Enclosure (Pelco HS1500)	596.93	28.15
28 23 00 00-1053	EA	High Security, Ceiling Mount, Lexan Window, Aluminum Enclosure (Pelco HS8080)	248.85	28.15
28 23 00 00-1054	EA	High Security, Ceiling Mount, Lexan Window, Steel Enclosure (Pelco HS8134)	479.18	28.15
28 23 00 00-1055	EA	Bullet-Resistant, Outdoor Enclosure (Pelco HS4514)	1,019.82	28.15
28 23 00 00-1056	EA	Bullet-Resistant, Outdoor Enclosure With Mount (Pelco HS4514/MT)	1,213.11	28.15
28 23 00 00-1057	EA	24X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW24)	1,256.81	28.15
28 23 00 00-1058	EA	35X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW35)	1,325.68	28.15
28 23 00 00-1059	EA	24 Volt AC, Esprit® Pan Tilt Enclosure Receiver (Pelco ES3012-2)	2,219.59	28.15
28 23 00 00-1060	EA	115/230 Volt AC, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-5)	2,219.59	28.15
28 23 00 00-1061	EA	24 Volt AC, Pedestal Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2N)	2,241.80	28.15
28 23 00 00-1062	EA	120 Volt AC, Pedestal Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-5N)	2,241.80	28.15
28 23 00 00-1063	EA	24 Volt AC, Wall Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2W)	2,272.91	28.15
28 23 00 00-1064	EA	120 Volt AC, Wall Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-5W)	2,272.91	28.15
28 23 00 00-1065	EA	30X, 24 Volt AC, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30)	4,165.88	28.15
28 23 00 00-1066	EA	30X, 24 Volt AC, Preset Positioning, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30P)	4,281.42	28.15
28 23 00 00-1067	EA	Esprit® Camera Pole Mount Adapter (Pelco EPM)	66.01	6.63
28 23 00 00-1068	EA	Pole Mount Adapter For Esprit® Systems (Pelco EPM)	66.01	6.63
28 23 00 00-1069		Camera Lenses *(28 23 00 00-0559)*		
28 23 00 00-1070		Fixed Focus Camera Lenses *(28 23 00 00-1069)* Note: 1/3" format and manual focus.		
28 23 00 00-1071		Manual Iris, Fixed Focus Camera Lenses *(28 23 00 00-1070)*		
28 23 00 00-1072	EA	2.3 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.3)	118.66	9.67
28 23 00 00-1073	EA	2.8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.8)	97.93	9.67
28 23 00 00-1074	EA	4 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA4)	87.56	9.67
28 23 00 00-1075	EA	8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA8)	85.34	9.67
28 23 00 00-1076		Direct Drive Auto Iris, Fixed Focus Camera Lenses *(28 23 00 00-1070)* Note: Includes spot filter. Excludes amplifier.		
28 23 00 00-1077	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.3)	149.03	9.67
28 23 00 00-1078	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.8)	118.66	9.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-1079	EA	4 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD4)	111.26	9.67
28 23 00 00-1080	EA	8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD8)	78.67	9.67
28 23 00 00-1081		**Video Drive Auto Iris, Fixed Focus Camera Lenses** *(28 23 00 00-1070)*		
		Note: Includes LDC100 adapter to convert DC auto iris to video drive.		
28 23 00 00-1082	EA	2.3 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.3S)	176.43	9.67
28 23 00 00-1083	EA	2.8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.8S)	145.33	9.67
28 23 00 00-1084	EA	4 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV4S)	137.92	9.67
28 23 00 00-1085	EA	8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV8S)	132.00	9.67
28 23 00 00-1086		**Varifocal Camera Lenses** *(28 23 00 00-1069)*		
		Note: 1/3" format and manual focus and zoom.		
28 23 00 00-1087		**Manual Iris, Varifocal Camera Lenses** *(28 23 00 00-1086)*		
28 23 00 00-1088	EA	1.6-3.4 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA1-3)	180.13	9.67
28 23 00 00-1089	EA	2.5-6 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.5-6)	139.40	9.67
28 23 00 00-1090	EA	2.8-12 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.8-12)	107.56	9.67
28 23 00 00-1091	EA	3-8 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA3-8)	94.22	9.67
28 23 00 00-1092	EA	5.5-82.5 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5.5-82.5)	250.49	9.67
28 23 00 00-1093	EA	5-40 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-40)	143.10	9.67
28 23 00 00-1094	EA	5-50 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-50)	174.95	9.67
28 23 00 00-1095		**Direct Drive Auto Iris, Varifocal Camera Lenses** *(28 23 00 00-1086)*		
		Note: Includes spot filter.		
28 23 00 00-1096	EA	1.6-3.4 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD1-3)	211.98	9.67
28 23 00 00-1097	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.5-6)	185.32	9.67
28 23 00 00-1098	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.8-12)	137.92	9.67
28 23 00 00-1099	EA	3-8 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD3-8)	98.67	9.67
28 23 00 00-1100	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5.5-82.5)	273.45	9.67
28 23 00 00-1101	EA	5-40 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5-40)	159.40	9.67
28 23 00 00-1102	EA	5-50 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5-50)	209.76	9.67
28 23 00 00-1103		**Video Drive Auto Iris, Varifocal Camera Lenses** *(28 23 00 00-1086)*		
		Note: Includes spot filter.		
28 23 00 00-1104	EA	1.6-3.4 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV1-3S)	239.38	9.67
28 23 00 00-1105	EA	2.5-6 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV2.5-6S)	211.98	9.67
28 23 00 00-1106	EA	3-8 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV3-8S)	126.07	9.67
28 23 00 00-1107	EA	5-50 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV5-50S)	236.42	9.67
28 23 00 00-1108		**Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lenses** *(28 23 00 00-1086)*		
28 23 00 00-1109	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR3-8.5)	116.44	9.67
28 23 00 00-1110	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR7.5-50)	183.84	9.67
28 23 00 00-1111		**Motorized Zoom Camera Lenses** *(28 23 00 00-1069)*		
		Note: 1/3" format.		
28 23 00 00-1112		**Manual Iris, Motorized Zoom Camera Lenses** *(28 23 00 00-1111)*		
28 23 00 00-1113	EA	8X Zoom, 6-48 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X8)	437.12	9.67
28 23 00 00-1114	EA	10X Zoom, 6-60 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X10)	546.73	9.67
28 23 00 00-1115	EA	15X Zoom, 6-90 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X15)	583.02	9.67
28 23 00 00-1116		**Direct Drive Auto Iris, Motorized Zoom Camera Lenses** *(28 23 00 00-1111)*		
		Note: Includes spot filter.		
28 23 00 00-1117	EA	6X Zoom, 6-48 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X8)	420.83	9.67
28 23 00 00-1118	EA	10X Zoom, 6-60 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X10)	506.74	9.67
28 23 00 00-1119	EA	15X Zoom, 6-90 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X15)	644.49	9.67
28 23 00 00-1120	EA	20X Zoom, 5.6-112 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.6X20)	951.84	9.67
28 23 00 00-1121	EA	30X Zoom, 5.5-165 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.5X30)	1,569.50	9.67
28 23 00 00-1122		**Video Drive Auto Iris, Motorized Zoom Camera Lenses** *(28 23 00 00-1111)*		
		Note: Includes spot filter.		
28 23 00 00-1123	EA	8X Zoom, 6-48 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X8S)	448.23	9.67
28 23 00 00-1124	EA	10X Zoom, 6-60 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X10S)	534.14	9.67
28 23 00 00-1125	EA	15X Zoom, 6-90 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X15S)	671.89	9.67
28 23 00 00-1126	EA	20X Zoom, 5.6-112 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.6X20S)	979.24	9.67
28 23 00 00-1127	EA	30X Zoom, 5.5-165 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.5X30S)	1,596.16	9.67
28 23 00 00-1128		**Camera Power Supplies** *(28 23 00 00-0559)*		
28 23 00 00-1129	EA	20 VA, 24 Volt AC, Camera Power Transformer (Pelco TF2000)	29.81	8.24
28 23 00 00-1130	EA	50 VA, 24 Volt AC, Camera Power Transformer (Pelco TF9000)	52.03	8.24
28 23 00 00-1131	EA	2 Amp, 4 Outputs, Camera Power Supply (Pelco MCS4-2)	115.18	16.48
28 23 00 00-1132	EA	5 Amp, 8 Outputs, Camera Power Supply (Pelco MCS8-5)	159.06	24.73

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28 23 00 00-1133	EA	10 Amp, 16 Outputs, Camera Power Supply (Pelco MCS16-10)	229.62	32.97
		For Switchable Outputs, Add	*98.20*	
28 23 00 00-1134	EA	20 Amp, 16 Outputs, Camera Power Supply (Pelco MCS16-20)	283.87	41.21
		For Switchable Outputs, Add	*120.86*	
28 23 00 00-1135		**Camera Illuminators** *(28 23 00 00-0559)*		
28 23 00 00-1136		**Camera Illuminators** *(28 23 00 00-1135)*		
		Note: Includes lamp and mounting bracket.		
28 23 00 00-1137	EA	Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27MF)	1,167.57	16.48
28 23 00 00-1138	EA	Infrared Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27NS)	1,167.57	16.48
28 23 00 00-1139	EA	Flood Lamp, Low Light Level Camera Illuminator (Pelco LL27WF)	1,167.57	16.48
28 23 00 00-1140		**Camera Illuminator Accessories** *(28 23 00 00-1135)*		
28 23 00 00-1141	EA	Replacement Lamp For Low Light Level Camera Illuminator (Pelco PAR56)	95.92	16.48
28 23 00 00-1142		**Camera Receivers** *(28 23 00 00-0559)*		
28 23 00 00-1143	EA	24 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9024RX-PP)	1,129.42	28.15
28 23 00 00-1144	EA	120 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9115RX-PP)	1,129.42	28.15
28 23 00 00-1145		**Pan And Tilt Drives** *(28 23 00 00-0559)*		
28 23 00 00-1146	EA	15 LB Load, 24 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT270-24P)	799.81	61.82
28 23 00 00-1147	EA	40 LB Load, 24/120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT570-24P)	1,016.06	61.82
		For Preset Positioning, Add	*165.00*	
28 23 00 00-1148	EA	100 LB Load, 120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT1250P)	2,150.66	61.82
		For Preset Positioning, Add	*165.00*	
28 23 00 00-1149	EA	100 LB Load, 120 Volt DC, Outdoor Pan And Tilt Drive (Pelco PT1250DC)	2,458.01	61.82
		For Preset Positioning, Add	*165.00*	
28 23 00 00-1150	EA	100 LB Load, 120 Volt DC, 360 Degree Outdoor Pan And Tilt Drive (Pelco PT1280SL)	2,844.60	61.82
		For Preset Positioning, Add	*165.00*	
28 23 00 00-1151	EA	100 LB Load, 120 Volt DC, Explosion Proof Outdoor Pan And Tilt Drive (Pelco PT1260EX)	3,666.67	61.82
		For Preset Positioning, Add	*165.00*	
28 23 00 00-1152		**Scanners** *(28 23 00 00-0559)*		
28 23 00 00-1153	EA	35 LB Load, 24 Volt AC, Indoor/Outdoor Scanner (Pelco PS20-24)	913.12	61.82
		For Wall Mount, Add	*39.05*	
		For Pressure Sensor Alarm, Add	*51.15*	
28 23 00 00-1154	EA	35 LB Load, 120 Volt AC, Indoor/Outdoor Scanner (Pelco PS20)	959.78	61.82
		For Wall Mount, Add	*39.05*	
		For Pressure Sensor Alarm, Add	*51.15*	
28 23 00 00-1155		**Camera Monitors** *(28 23 00 00-0558)*		
28 23 00 00-1156		**Camera Monitors** *(28 23 00 00-1155)*		
28 23 00 00-1157		**Monochrome Camera Monitors** *(28 23 00 00-1156)*		
28 23 00 00-1158	EA	9" Monochrome Camera Monitor (Pelco PMM9A)	178.03	12.37
28 23 00 00-1159	EA	12" Monochrome Camera Monitor (Pelco PMM12A)	203.96	12.37
28 23 00 00-1160	EA	15" Monochrome Camera Monitor (Pelco PMM15A)	313.56	12.37
28 23 00 00-1161	EA	20" Monochrome Camera Monitor (Pelco PMM20A)	505.38	12.37
28 23 00 00-1162		**Color Camera Monitors** *(28 23 00 00-1156)*		
28 23 00 00-1163	EA	9", High Resolution Color, Camera Monitor (Pelco PMC9A)	570.55	12.37
28 23 00 00-1164	EA	15", High Resolution Color, Camera Monitor (Pelco PMCS15A)	462.42	12.37
28 23 00 00-1165	EA	17", High Resolution Color, Camera Monitor (Pelco PMCS17A)	672.75	12.37
28 23 00 00-1166	EA	19", High Resolution Color, Camera Monitor (Pelco PMCS19A)	894.93	12.37
28 23 00 00-1167		**LCD Camera Monitors** *(28 23 00 00-1155)*		
28 23 00 00-1168		**VGA Signal, Color LCD Camera Monitors (Pelco 200 Series)** *(28 23 00 00-1167)*		
		Note: Displays VGA computer signals.		
28 23 00 00-1169	EA	17", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL217)	645.35	12.37
28 23 00 00-1170	EA	19", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL219)	840.87	12.37
28 23 00 00-1171		**Multimode, Color LCD Camera Monitors (Pelco 300 Series)** *(28 23 00 00-1167)*		
		Note: Displays VGA computer signals and/or composite video signals.		
28 23 00 00-1172	EA	15", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL315)	734.22	12.37
28 23 00 00-1173	EA	17", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL317)	879.38	12.37
28 23 00 00-1174	EA	19", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL319)	1,082.31	12.37

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-1175		Multimode With PIP, Color LCD Camera Monitors (Pelco 400 Series) *(28 23 00 00-1167)*		
		Note: Displays VGA computer signals and/or composite video signals. Includes picture in picture option.		
28 23 00 00-1176	EA	15", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL415)	943.07	12.37
28 23 00 00-1177	EA	17", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL417)	1,094.16	12.37
28 23 00 00-1178	EA	19", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL419)	1,373.36	12.37
28 23 00 00-1179		Camera Monitor Mounting Accessories *(28 23 00 00-1155)*		
28 23 00 00-1180		Camera Monitor Mounts *(28 23 00 00-1179)*		
28 23 00 00-1181	EA	Up To 14", Camera Monitor Mount (Pelco)	218.12	16.48
28 23 00 00-1182	EA	>14" To 17", Camera Monitor Mount (Pelco)	254.41	16.48
28 23 00 00-1183	EA	>17" To 21", Camera Monitor Mount (Pelco)	298.85	16.48
28 23 00 00-1184		Camera Monitor Rack Mount Kits *(28 23 00 00-1179)*		
28 23 00 00-1185	EA	Camera Monitor Rack Mount Kit (Pelco PMCL-RM)	131.47	16.48
28 23 00 00-1186		Video Transmission Equipment *(28 23 00 00-0558)*		
28 23 00 00-1187		UTP Cable, Video Transmission Equipment *(28 23 00 00-1186)*		
28 23 00 00-1188		UTP Cable, Active Video Receivers *(28 23 00 00-1187)*		
28 23 00 00-1189	EA	Single Channel, UTP Cable, Active Video Receiver (Pelco TW3001AR)	274.50	20.61
28 23 00 00-1190	EA	Four Channel, UTP Cable, Active Video Receiver (Pelco TW3004AR)	950.67	20.61
28 23 00 00-1191	EA	Eight Channel, 4 Outputs, UTP Cable, Active Video Receiver (Pelco TW3008AR-4-US)	1,872.71	20.61
28 23 00 00-1192	EA	Sixteen Channel, UTP Cable, Active Video Receiver (Pelco TW3016AR1-US)	3,077.67	20.61
28 23 00 00-1193	EA	Sixteen Channel, 2 Outputs, UTP Cable, Active Video Receiver (Pelco TW3016AR-2-US)	3,593.87	20.61
28 23 00 00-1194		UTP Cable, Passive Video Transceivers *(28 23 00 00-1187)*		
28 23 00 00-1195	EA	Single Channel, UTP Cable, Passive Video Transceiver (Pelco TW3001P)	78.98	20.61
28 23 00 00-1196	EA	Four Channel, UTP Cable, Passive Video Transceiver (Pelco TW3004P)	274.50	20.61
28 23 00 00-1197	EA	Eight Channel, UTP Cable, Passive Video Transceiver (Pelco TW3008P)	508.53	20.61
28 23 00 00-1198	EA	Sixteen Channel, UTP Cable, Passive Video Transceiver (Pelco TW3016P)	969.18	20.61
28 23 00 00-1199	EA	Thirty Two Channel, UTP Cable, Passive Video Transceiver (Pelco TW3032P)	1,897.89	20.61
28 23 00 00-1200		UTP Cable, Active Video Transmitters *(28 23 00 00-1187)*		
28 23 00 00-1201	EA	Single Channel, UTP Cable, Active Video Transmitter (Pelco TW3001AT)	287.09	20.61
28 23 00 00-1202		Fiber Optics, Video Transmission Equipment *(28 23 00 00-1186)*		
28 23 00 00-1203		Data Only, Fiber Optics Transmission Equipment *(28 23 00 00-1202)*		
28 23 00 00-1204		Bidirectional Data, Fiber Optics Transmitters *(28 23 00 00-1203)*		
28 23 00 00-1205	EA	Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AS)	1,673.24	41.21
28 23 00 00-1206	EA	Single-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AM)	682.32	41.21
28 23 00 00-1207	EA	Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104S)	1,222.21	41.21
28 23 00 00-1208	EA	Four-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104M)	842.29	41.21
28 23 00 00-1209		Bidirectional Data, Fiber Optics Receivers *(28 23 00 00-1203)*		
28 23 00 00-1210	EA	Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AS)	1,673.24	41.21
28 23 00 00-1211	EA	Single-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AM)	682.32	41.21
28 23 00 00-1212	EA	Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104S)	1,222.21	41.21
28 23 00 00-1213	EA	Four-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104M)	842.29	41.21
28 23 00 00-1214		Video Only, Fiber Optics Transmission Equipment *(28 23 00 00-1202)*		
28 23 00 00-1215		Digitally Encoded Video, Fiber Optics Transmitters *(28 23 00 00-1214)*		
28 23 00 00-1216	EA	Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AS)	741.56	41.21
28 23 00 00-1217	EA	Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AM)	322.38	41.21
28 23 00 00-1218	EA	Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304S)	2,059.09	41.21
28 23 00 00-1219	EA	Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304M)	1,237.03	41.21
28 23 00 00-1220	EA	Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308S)	3,374.40	41.21
28 23 00 00-1221	EA	Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308M)	2,805.62	41.21
28 23 00 00-1222	EA	Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316S)	8,380.85	41.21
28 23 00 00-1223	EA	Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316M)	7,458.81	41.21
28 23 00 00-1224		Digitally Encoded Video, Fiber Optics Receivers *(28 23 00 00-1214)*		
28 23 00 00-1225	EA	Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AS)	741.56	41.21
28 23 00 00-1226	EA	Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AM)	322.38	41.21
28 23 00 00-1227	EA	Two-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AS)	1,267.39	41.21
28 23 00 00-1228	EA	Two-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AM)	512.72	41.21
28 23 00 00-1229	EA	Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304S)	2,059.09	41.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-1230	EA	Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304M)	1,237.03	41.21
28 23 00 00-1231	EA	Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308S)	3,374.40	41.21
28 23 00 00-1232	EA	Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308M)	2,805.62	41.21
28 23 00 00-1233	EA	Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316S)	8,380.85	41.21
28 23 00 00-1234	EA	Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316M)	7,458.81	41.21
28 23 00 00-1235		Video And Data, Fiber Optics Transmission Equipment *(28 23 00 00-1202)*		
28 23 00 00-1236		Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitters *(28 23 00 00-1235)*		
28 23 00 00-1237	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AS)	1,279.98	41.21
28 23 00 00-1238	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AM)	762.30	41.21
28 23 00 00-1239	EA	Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041S)	2,982.62	41.21
28 23 00 00-1240	EA	Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041M)	2,581.95	41.21
28 23 00 00-1241	EA	Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081S)	4,828.94	41.21
28 23 00 00-1242	EA	Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081M)	3,500.30	41.21
28 23 00 00-1243		Digitally Encoded Video With Bidirectional Data, Fiber Optics Receivers *(28 23 00 00-1235)*		
28 23 00 00-1244	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AS)	1,279.98	41.21
28 23 00 00-1245	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AM)	762.30	41.21
28 23 00 00-1246	EA	Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041S)	2,982.62	41.21
28 23 00 00-1247	EA	Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041M)	2,581.95	41.21
28 23 00 00-1248	EA	Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081S)	4,828.94	41.21
28 23 00 00-1249	EA	Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081M)	3,500.30	41.21
28 23 00 00-1250		Video, Audio And Data, Fiber Optics Transmission Equipment *(28 23 00 00-1202)*		
28 23 00 00-1251		Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitters *(28 23 00 00-1250)*		
28 23 00 00-1252	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011S)	1,649.54	41.21
28 23 00 00-1253	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011M)	1,311.83	41.21
28 23 00 00-1254		Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receivers *(28 23 00 00-1250)*		
28 23 00 00-1255	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011S)	1,649.54	41.21
28 23 00 00-1256	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011M)	1,311.83	41.21
28 23 00 00-1257		Video Amplifiers *(28 23 00 00-1186)*		
28 23 00 00-1258		Video Distribution Amplifiers *(28 23 00 00-1257)*		
28 23 00 00-1259	EA	1 Input, 4 Outputs, Video Distribution Amplifier (Pelco DA104DT)	203.54	10.30
28 23 00 00-1260	EA	16 Channel, Master, Video Distribution Amplifier (Pelco CM9760-MDA) Note: Inserts time-date and title on up to 16 video inputs.	1,658.08	10.30
28 23 00 00-1261		Video Equalizing Amplifiers *(28 23 00 00-1257)*		
28 23 00 00-1262	EA	Video Equalizing Amplifier (Pelco EA2010)	221.31	10.30
28 23 00 00-1263	EA	Half-Duplex, Video Equalizing Amplifier (Pelco EA2000)	347.96	10.30
28 23 00 00-1264		Network Video Equipment *(28 23 00 00-0558)*		
28 23 00 00-1265		Video Encoders/Decoders *(28 23 00 00-1264)*		
28 23 00 00-1266	EA	MPEG4 IP Video Receiver (Pelco NET300R)	820.07	20.61
28 23 00 00-1267	EA	MPEG4 IP Video Transmitter (Pelco NET300T)	820.07	20.61
28 23 00 00-1268	EA	MPEG4 IP Video Receiver With Audio (Pelco NET350R)	944.49	20.61
28 23 00 00-1269	EA	MPEG4 IP Video Transmitter With Audio And Local Storage (Pelco NET350T)	944.49	20.61
28 23 00 00-1270		Network Video Recorders *(28 23 00 00-1264)*		
28 23 00 00-1271	EA	16 Device Or 100MBPS, Network Video Recorder (Pelco NVR316)	5,211.83	41.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-1272	EA	32 Device Or 100MBPS, Network Video Recorder (Pelco NVR332)	6,065.74	41.21
28 23 00 00-1273	EA	64 Device Or 100MBPS, Network Video Recorder (Pelco NVR364)	7,775.04	41.21
28 23 00 00-1274	EA	64 Device Or 100MBPS, PelcoNet Network Video Recorder (Pelco NVR300)	5,147.39	41.21
28 23 00 00-1275		Network Video Recorder Software *(28 23 00 00-1264)*		
28 23 00 00-1276	EA	10 User, License Pack (Pelco VMX300-LIC-10)	515.46	
28 23 00 00-1277	EA	20 User, License Pack (Pelco VMX300-LIC-20)	929.45	
28 23 00 00-1278	EA	50 User, License Pack (Pelco VMX300-LIC-50)	2,064.05	
28 23 00 00-1279	EA	100 User, License Pack (Pelco VMX300-LIC-100)	3,610.42	
28 23 00 00-1280	EA	10 User, Enterprise License Pack (Pelco VMX300-E-LIC10)	860.58	
28 23 00 00-1281	EA	20 User, Enterprise License Pack (Pelco VMX300-E-LIC20)	1,547.85	
28 23 00 00-1282	EA	50 User, Enterprise License Pack (Pelco VMX300-E-LIC50)	3,440.09	
28 23 00 00-1283	EA	100 User, Enterprise License Pack (Pelco VMX300-E-LIC100)	6,018.86	
28 23 00 00-1284	EA	200 User, Enterprise License Pack (Pelco VMX300-E-LIC200)	10,317.30	
28 23 00 00-1285	EA	500 User, Enterprise License Pack (Pelco VMX300-E-LIC500)	21,493.69	
28 23 00 00-1286	EA	0 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-0)	4,638.28	
28 23 00 00-1287	EA	1 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-1)	4,924.89	
28 23 00 00-1288	EA	4 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-4)	7,791.76	
28 23 00 00-1289	EA	0 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-0)	5,154.48	
28 23 00 00-1290	EA	1 Analog Input, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-1)	5,441.09	
28 23 00 00-1291	EA	4 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-4)	8,306.47	
28 23 00 00-1292	EA	0 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-0)	4,982.66	
28 23 00 00-1293	EA	1 Analog Input, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-1)	5,270.01	
28 23 00 00-1294	EA	4 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-4)	8,136.13	
28 23 00 00-1295	EA	0 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-0)	5,841.76	
28 23 00 00-1296	EA	1 Analog Input, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-1)	6,128.37	
28 23 00 00-1297	EA	4 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-4)	8,995.23	
28 23 00 00-1298		Video Recording Equipment *(28 23 00 00-0558)*		
28 23 00 00-1299		Digital Video Recorders *(28 23 00 00-1298)*		
28 23 00 00-1300	EA	8 Channel, 1 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4608DVD-1000) Note: Includes 8 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 240 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.	4,194.98	41.21
28 23 00 00-1301	EA	8 Channel, 2 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4608DVD-2000) Note: Includes 8 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 240 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.	5,670.26	41.21
28 23 00 00-1302	EA	8 Channel, 3 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4608DVD-3000) Note: Includes 8 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 240 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.	7,145.53	41.21
28 23 00 00-1303	EA	16 Channel, 1 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4616DVD-1000) Note: Includes 16 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 480 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.	4,809.68	41.21
28 23 00 00-1304	EA	16 Channel, 2 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4616DVD-2000) Note: Includes 16 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 480 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.	6,284.95	41.21
28 23 00 00-1305	EA	16 Channel, 3 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4616DVD-3000) Note: Includes 16 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 480 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.	7,760.23	41.21
28 23 00 00-1306	EA	8 Channel, 1TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-1000A)	8,163.12	41.21
28 23 00 00-1307	EA	8 Channel, 2 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-2000A)	11,195.13	41.21
28 23 00 00-1308	EA	8 Channel, 3 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-3000A)	14,227.89	41.21
28 23 00 00-1309	EA	16 Channel, 1 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-1000A)	9,828.73	41.21
28 23 00 00-1310	EA	16 Channel, 2 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-2000A)	12,860.74	41.21
28 23 00 00-1311	EA	16 Channel, 3 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-3000A)	15,893.50	41.21
28 23 00 00-1312	EA	24 Channel, 1 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-1000A)	10,744.85	41.21
28 23 00 00-1313	EA	24 Channel, 2 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-2000A)	13,776.86	41.21
28 23 00 00-1314	EA	24 Channel, 3 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-3000A)	16,809.62	41.21
28 23 00 00-1315	EA	32 Channel, 1 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-1000A)	12,410.46	41.21
28 23 00 00-1316	EA	32 Channel, 2 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-2000A)	15,442.47	41.21
28 23 00 00-1317	EA	32 Channel, 3 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-3000A)	18,475.23	41.21
28 23 00 00-1318	EA	16 Channel, 30 IPS, Digital Video Recorder (Pelco DX9116F-1500)	9,011.33	41.21
28 23 00 00-1319		Digital Video Recorder Accessories *(28 23 00 00-1298)*		
28 23 00 00-1320	EA	16 Channel, Multiplexed Analog Output Display Card (Pelco DX8000-MUX16)	793.41	20.61
28 23 00 00-1321		Matrix Systems And Controls *(28 23 00 00-0558)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-1322		Video Multiplexers *(28 23 00 00-1321)*		
28 23 00 00-1323		Monochrome Duplex, Video Multiplexers *(28 23 00 00-1322)*		
28 23 00 00-1324	EA	9 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4009MD)	1,499.94	41.21
28 23 00 00-1325	EA	16 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4016MD)	1,417.73	41.21
28 23 00 00-1326		Color Duplex, Video Multiplexers *(28 23 00 00-1322)*		
28 23 00 00-1327	EA	4 Channel, Color Duplex, Video Multiplexer (Pelco MX4004CD)	1,013.36	41.21
28 23 00 00-1328	EA	9 Channel, Color Duplex, Video Multiplexer (Pelco MX4009CD)	1,932.45	41.21
28 23 00 00-1329	EA	16 Channel, Color Duplex, Video Multiplexer (Pelco MX4016CD)	2,094.64	41.21
28 23 00 00-1330		Color Simplex, Video Multiplexers *(28 23 00 00-1322)*		
28 23 00 00-1331	EA	9 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4009CS)	1,624.36	41.21
28 23 00 00-1332	EA	16 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4016CS)	1,896.90	41.21
28 23 00 00-1333		Video Multiplexer Accessories *(28 23 00 00-1322)*		
28 23 00 00-1334	EA	Pushbutton/Joystick Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4000)	894.65	28.15
28 23 00 00-1335	EA	Pushbutton Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4002)	525.83	28.15
28 23 00 00-1336	EA	Video Multiplexer Server (Pelco MX4000SVR)	1,499.94	41.21
28 23 00 00-1337		Quad Video Processor *(28 23 00 00-1321)*		
28 23 00 00-1338	EA	Monochrome, Quad Video Processor (Pelco QD104M)	464.09	20.61
28 23 00 00-1339	EA	Color, Quad Video Processor (Pelco QD104C)	760.33	20.61
28 23 00 00-1340		Switcher *(28 23 00 00-1321)*		
28 23 00 00-1341		Terminating Manual Switchers *(28 23 00 00-1340)*		
28 23 00 00-1342		Terminating Manual Switchers *(28 23 00 00-1341)*		
28 23 00 00-1343	EA	4 Inputs, Terminating Manual Switcher (Pelco MS504DT)	161.09	16.48
28 23 00 00-1344	EA	8 Inputs, Terminating Manual Switcher (Pelco MS508DT)	218.86	16.48
28 23 00 00-1345	EA	12 Inputs, Terminating Manual Switcher (Pelco MS512DT)	266.26	16.48
28 23 00 00-1346	EA	18 Inputs, Terminating Manual Switcher (Pelco MS518DT)	435.86	16.48
28 23 00 00-1347		Audio Follow, Terminating Manual Switchers *(28 23 00 00-1341)*		
28 23 00 00-1348	EA	4 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS504AF)	208.49	16.48
28 23 00 00-1349	EA	8 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS508AF)	367.72	16.48
28 23 00 00-1350	EA	18 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS518AF)	642.48	16.48
28 23 00 00-1351		Balanced Audio Follow, Terminating Manual Switchers *(28 23 00 00-1341)*		
28 23 00 00-1352	EA	4 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS504BAF)	278.85	16.48
28 23 00 00-1353	EA	8 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS508BAF)	511.40	16.48
28 23 00 00-1354		Looping Manual Switchers *(28 23 00 00-1340)*		
28 23 00 00-1355		Looping Manual Switchers *(28 23 00 00-1354)*		
28 23 00 00-1356	EA	4 Inputs, Looping Manual Switcher (Pelco MS504LDT)	180.35	16.48
28 23 00 00-1357	EA	8 Inputs, Looping Manual Switcher (Pelco MS508LDT)	247.74	16.48
28 23 00 00-1358	EA	12 Inputs, Looping Manual Switcher (Pelco MS512LDT)	315.88	16.48
28 23 00 00-1359	EA	18 Inputs, Looping Manual Switcher (Pelco MS518LDT)	521.03	16.48
28 23 00 00-1360		Audio Follow, Looping Manual Switchers *(28 23 00 00-1354)*		
28 23 00 00-1361	EA	4 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS504AFL)	224.79	16.48
28 23 00 00-1362	EA	8 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS508AFL)	392.90	16.48
28 23 00 00-1363	EA	12 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS512AFL)	539.54	16.48
28 23 00 00-1364		Balanced Audio Follow, Looping Manual Switchers *(28 23 00 00-1354)*		
28 23 00 00-1365	EA	4 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS504BAFL)	298.85	16.48
28 23 00 00-1366	EA	8 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS508BAFL)	541.76	16.48
28 23 00 00-1367	EA	12 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS512BAFL)	681.74	16.48
28 23 00 00-1368		Sequential Switchers *(28 23 00 00-1340)*		
28 23 00 00-1369		Single Output, Sequential Switchers *(28 23 00 00-1368)*		
28 23 00 00-1370	EA	4 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6104)	316.62	16.48
28 23 00 00-1371	EA	8 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6108)	472.15	16.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 23 00 00-1372		Dual Outputs, Sequential Switchers *(28 23 00 00-1368)*		
28 23 00 00-1373	EA	4 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6204)	395.86	16.48
28 23 00 00-1374	EA	8 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6208)	548.43	16.48
28 23 00 00-1375		Controls *(28 23 00 00-1321)*		
28 23 00 00-1376		Direct/Multi-Cable Controls *(28 23 00 00-1375)*		
28 23 00 00-1377	EA	Scanner Control Module (Pelco MPS524DT)	272.02	41.21
28 23 00 00-1378	EA	120 Volt AC Pan/Tilt Control Module (Pelco MPT115DT)	290.54	41.21
28 23 00 00-1379	EA	24 Volt AC Pan/Tilt Control Module (Pelco MPT24DT)	322.38	41.21
28 23 00 00-1380	EA	Motorized Zoom Lens Control Module (Pelco MLZ6DT)	337.20	41.21
28 23 00 00-1381	EA	120 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ115DT)	532.71	41.21
28 23 00 00-1382	EA	24 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ24DT)	586.78	41.21
28 23 00 00-1383		Coaxitron Controls *(28 23 00 00-1375)*		
28 23 00 00-1384	EA	Desktop Keyboard, Fixed Speed Coaxitron Controller And Transmitter (Pelco KBD9000)	388.08	28.15
28 23 00 00-1385	EA	8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9000)	736.91	28.15
28 23 00 00-1386	EA	Integral Switcher, 8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9008)	836.89	28.15
28 23 00 00-1387		Digital Controls *(28 23 00 00-1375)*		
28 23 00 00-1388	EA	Pushbutton Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD200A)	522.13	28.15
28 23 00 00-1389	EA	Pushbutton/Joystick Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD300A)	887.25	28.15
28 23 00 00-1390		Lock Boxes *(28 23 00 00-1321)*		
28 23 00 00-1391	EA	VCR Lock Box (Pelco LB1000)	320.29	30.91
		For Wall Mount, Add	*165.00*	
28 23 00 00-1392	EA	Computer Disk Drive Lock Box (Pelco LB2000)	327.70	30.91
28 23 00 00-1393	EA	VCR And Multiplexer Lock Box (Pelco LB3000)	601.72	30.91
		Note: Includes storage for 32 VCR tapes.		

28 26 Electronic Personal Protection Systems *(28 20)*

28 26 13 Electronic Personal Safety Detection Systems *(28 26)*

28 26 13 00-0001		Personnel Alarm Locating System *(28 26 13)*		
		Note: Includes a central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels, eighty (80) personal alarm transmitters with lithium batteries, eighty (80) lapel readers, two hundred fifty (250) IR locators, twenty one (21) repeaters and receivers, back boxes, cables.		
28 26 13 00-0002	EA	Personnel Alarm Locating System	12,196.73	660.51
		Note: Includes Pentium III central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels.		
28 26 13 00-0003	EA	Personnel Alarm Transmitters With Lithium Batteries	94.26	
28 26 13 00-0004	EA	Lapel Reader	36.25	
28 26 13 00-0005	EA	IR Locator	143.70	24.73
28 26 13 00-0006	EA	Repeaters And Receivers	360.62	82.43

28 26 23 Electronic Personal Safety Emergency Aid Devices *(28 26)*

28 26 23 00-0001		Electronic Personal Safety Emergency Aid Devices (Edwards Signaling) *(28 26 23)*		
28 26 23 00-0002		Call For Assistance Kits, Emergency Aid Devices (Edwards Signaling) *(28 26 23 00-0001)*		
28 26 23 00-0003	EA	Pull Cord Call For Assistance Kit With Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7008B-N5)	194.86	49.45
		Note: Includes 1 high intensity strobe/buzzer (7007B-N5) and 1 emergency pull cord station (6537).		
28 26 23 00-0004	EA	Push Button Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 7005-G5)	230.76	57.70
		Note: Includes 1 high intensity strobe/horn (6536-G5), 1 emergency pull cord station (6537), and 1 transformer 592.		
28 26 23 00-0005	EA	Pull Cord Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6538-G5)	232.28	57.70
		Note: Includes 1 high intensity strobe/horn (6536-G5), 1 wall mounted push button (620/147-10), and 1 transformer 592.		
28 26 23 00-0006		Audible/Visual Signaling Devices, Emergency Aid Devices (Edwards Signaling) *(28 26 23 00-0001)*		
28 26 23 00-0007	EA	High Intensity Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7007B-N5)	140.90	30.91
28 26 23 00-0008	EA	High Intensity Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6536-G5)	134.77	24.73
28 26 23 00-0009	EA	Transformer For High Intensity Strobe/Horns, Emergency Aid Devices (Edwards Signaling 592)	68.59	24.73
28 26 23 00-0010	EA	1 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-1N5)	111.27	24.73
28 26 23 00-0011	EA	2 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-2N5)	126.53	24.73
28 26 23 00-0012	EA	4 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-4G5)	142.37	24.73
28 26 23 00-0013	EA	2 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-2)	193.28	24.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 26 23 00-0014	EA	4 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-4)	215.18	24.73
28 26 23 00-0015		Call Activation Devices, Emergency Aid Devices (Edwards Signaling) *(28 26 23 00-0001)*		
28 26 23 00-0016	EA	Double Pole Single Throw Switch, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 6537)	87.74	24.73
28 26 23 00-0017	EA	Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7603E)	124.12	24.73
28 26 23 00-0018	EA	Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7613E)	159.24	24.73
28 26 23 00-0019	EA	3 Maintained Contacts, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7302)	162.35	8.24
28 26 23 00-0020	EA	Bedside Wall Station Receptacle, Emergency Aid Devices (Edwards Signaling 7930)	127.36	24.73
28 26 23 00-0021	EA	Bedside Wall Station Receptacle With Lamp, Emergency Aid Devices (Edwards Signaling 7930L)	148.37	24.73
28 26 23 00-0022	EA	Locking Button, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7932L)	244.08	24.73
28 26 23 00-0023	EA	Pendant Push Button, Emergency Aid Devices (Edwards Signaling 7620)	121.59	24.73
28 26 23 00-0024	EA	Single 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7675)	137.81	8.24
28 26 23 00-0025	EA	Double 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7676)	211.11	8.24
28 26 23 00-0026	EA	Single 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7685)	215.62	8.24
28 26 23 00-0027	EA	Double 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7686)	282.94	8.24

28 30 Electronic Detection And Alarm *(28)*

Note: Includes testing of new devices and certification.

28 31 Fire Detection And Alarm *(28 30)*

28 31 23 Fire Detection And Alarm *(28 31)*

28 31 23 00-0001		Edwards Fire Alarm *(28 31 23)*		
28 31 23 00-0002		EST3 Life Safety And Security Control *(28 31 23 00-0001)*		
28 31 23 00-0003		EST3 Network *(28 31 23 00-0002)*		
28 31 23 00-0004		Remote Annunciators *(28 31 23 00-0003)*		
28 31 23 00-0005	EA	Remote LCD Command Module Annunciator (EST3 3-LCDANN) Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.	841.67	61.82
28 31 23 00-0006	EA	Six Position Base Annunciator (EST3 3-6ANN) Note: Includes door, CPU card, two annunciator support modules and five blank filler plates. Space provided for up to four Control/Display Modules and one 3-LCD Liquid Crystal Display Module.	691.46	61.82
28 31 23 00-0007	EA	Ten Position Base Annunciator (EST3 3-10ANN) Note: Includes door, CPU card, two annunciator support modules and nine blank filler plates. Space provided for up to eight Control/Display Modules and one 3-LCD Liquid Crystal Display Module.	866.61	61.82
28 31 23 00-0008	EA	Annunciator CPU (EST3 3-ANNCPU3) Note: One Required per graphic annunciator.	563.25	61.82
28 31 23 00-0009	EA	Annunciator Support Module (EST3 3-ANNSM) Note: Takes one space in Annunciator box. Supports one Control/Display module.	108.11	20.61
28 31 23 00-0010	EA	Liquid Crystal Display Module (EST3 3-LCD) Note: Mounts over 3-CPU(1).	372.83	61.82
28 31 23 00-0011	EA	Liquid Crystal Display Module (EST3 3-LCDXL) Note: Mounts over 3-ANNCPU plus two spaces.	386.75	61.82
28 31 23 00-0012	EA	LED/SWITCH Driver Module Assembly For Third Part Graphics (EST3 3-EVDVRA) Note: Assembled version of 3-EVDVR, comes packaged with cables, mounting hardware installation instructions used for third party graphics. Mounts in 3-EVDVRX.	416.74	61.82
28 31 23 00-0013	EA	Power Supply Assembly With 19" Rail Mounting Chassis Assembly (EST3 3-EVPWRA) Note: Assembled version of 3-EVPWR, comes packaged with cables, mounting hardware and mounting plate for 3-ANNCPU1. Used for third party graphics.	470.77	41.21
28 31 23 00-0014	EA	Plastic Mounting Extrusion 19" Mounting (EST3 3-EVDVRX) Note: Mounts up to three 3-EVDVRA modules.	78.29	20.61
28 31 23 00-0015	EA	Central Processor Unit Module (EST3 3-CPU3) Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.	889.96	61.82
28 31 23 00-0016	EA	Primary Power Supply With Local Rail Module, 120 Volt, 50/60 Hz (EST3 3-CPU3) Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.	859.11	20.61
28 31 23 00-0017		Remote Annunciators Cabinets *(28 31 23 00-0003)*		
28 31 23 00-0018	EA	Remote LCD Command Module Flush Mount LCD Wallbox (EST3 RLCM/B)	83.62	20.61
28 31 23 00-0019	EA	Remote LCD Command Module Surface Mount LCD Wallbox (EST3 RLCM/B-S)	75.38	16.48
28 31 23 00-0020	EA	Six Position LED/LCD Flush Wallbox (EST3 6ANN/B)	93.03	20.61
28 31 23 00-0021	EA	Six Position LED/LCD Surface Wallbox (EST3 6ANN/B-S)	84.79	16.48
28 31 23 00-0022	EA	Ten Position LED/LCD Flush Wallbox (EST3 10ANN/B)	101.86	20.61
28 31 23 00-0023	EA	Ten Position LED/LCD Surface Wallbox (EST3 10ANN/B-S)	93.62	16.48
28 31 23 00-0024		Audio And Telephone Masters *(28 31 23 00-0003)*		
28 31 23 00-0025	EA	Audio Source Unit With Local Microphone And Firefighters' Telephone (EST3 3-ASU/FT)	2,685.26	82.43
28 31 23 00-0026	EA	Audio Source Unit With Local Microphone (Provides Four Local Rail Spaces) (EST3 3-ASU/4)	1,513.02	82.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0027	EA	Audio Source Unit With Local Microphone And Inner Door Filler Plate (EST3 3-ASU)	1,417.78	82.43
28 31 23 00-0028	EA	Fire Fighters Telephone Control Unit With Inner Door Filler Plate (EST3 3-FTCU)	1,432.42	82.43
28 31 23 00-0029	EA	Audio Source Unit Memory Expansion, 100 Minutes (EST3 3-ASUMX/100)	1,630.20	82.43
28 31 23 00-0030	EA	Zoned Audio Amplifier Module (EST3 3-ZA95)	1,508.95	41.21
28 31 23 00-0031		**Battery Distribution Unit** *(28 31 23 00-0003)*		
28 31 23 00-0032	EA	Battery Distribution Unit (EST3 3-BTSEN)	331.92	249.49
28 31 23 00-0033		**Remote Booster Power Supply** *(28 31 23 00-0003)*		
28 31 23 00-0034	EA	6.5 Amp, 120 Volt, Booster Power Supply (EST3 BPS6A)	490.02	61.82
28 31 23 00-0035	EA	10 Amp. 110 Volt Booster Power Supply (EST3 BPS10)	555.21	61.82
28 31 23 00-0036	EA	10 Amp, 220 Volt Booster Power Supply (EST3 BPS10220)	603.24	61.82
28 31 23 00-0037	EA	Tamper Switch - For CAB7, 14 And 21 Series Cabinets (EST3 3-TAMP)	85.20	20.61
28 31 23 00-0038		**Batteries And Battery Cabinets** *(28 31 23 00-0003)*		
28 31 23 00-0039	EA	1.2 Amp Hours Sealed Lead Acid Battery - 12 Volt DC (EST3 12V1A2 (1.2 Amp Hours))	67.30	20.61
28 31 23 00-0040	EA	4 Amp Hours Sealed Lead Acid Battery - 12 Volt DC (EST3 12V4A (4.5 Amp Hours))	81.46	20.61
28 31 23 00-0041	EA	24 Amp Hours Sealed Lead Acid Battery - 12 Volt DC (EST3 12V24A (26 Amp Hours))	179.16	20.61
28 31 23 00-0042	EA	6.5 Amp Hours Sealed Lead Acid Battery - 12 Volt DC (EST3 12V6A5 (7.2 Amp Hours))	87.13	20.61
28 31 23 00-0043	EA	40 Amp Hours Sealed Lead Acid Battery - 12 Volt DC (EST3 12V40A (40 Amp Hours))	224.52	20.61
28 31 23 00-0044	EA	10 Amp Hours Sealed Lead Acid Battery - 12 Volt DC (EST3 12V10A (11 Amp Hours))	130.63	20.61
28 31 23 00-0045	EA	50 Amp Hours Sealed Lead Acid Battery - 12 Volt DC (EST3 12V50A (50 Amp Hours))	445.51	20.61
28 31 23 00-0046	EA	17 Amp Hours Sealed Lead Acid Battery - 12 Volt DC (EST3 12V17A (18 Amp Hours))	133.55	20.61
28 31 23 00-0047	EA	65 Amp Hours Sealed Lead Acid Battery - 12 Volt DC (EST3 12V65A (65 Amp Hours))	534.36	20.61
28 31 23 00-0048	EA	8.0 Amp Hours Sealed Lead Acid Battery - 6 Volt DC (EST3 6V8A (8 Amp Hours))	78.70	20.61
28 31 23 00-0049	EA	10 Amp Hours Sealed Lead Acid Battery - 6 Volt DC (EST3 6V10A (12 Amp Hours))	71.62	20.61
28 31 23 00-0050	EA	Battery Cabinet, 14.0" x 18.25" x 7.25" Free Standing Cabinet With Key Lock (EST3 BC-1) Note: Supports up to 40 Ah batteries will hold up to two 12V24A batteries.	322.86	82.43
28 31 23 00-0051	EA	Battery Cabinet, Gray 22" X 15" X 3.75" (EST3 BC-2) Note: Holds up to two 12V17A batteries.	284.71	82.43
28 31 23 00-0052	EA	Remote Closet Enclosure (EST3 3-RCC7R)	663.13	82.43
28 31 23 00-0053	EA	Remote Closet Enclosure (EST3 3-RCC14R)	813.30	82.43
28 31 23 00-0054	EA	Remote Closet Enclosure (EST3 3-RCC21R)	1,124.68	82.43
28 31 23 00-0055		**Serial Printer** *(28 31 23 00-0003)*		
28 31 23 00-0056	EA	System Printer - Desk Top Style (EST3 PT-1S)	855.30	20.61
28 31 23 00-0057		**Intelligent Analog Initiating Devices** *(28 31 23 00-0002)*		
28 31 23 00-0058		**Detectors, Signature** *(28 31 23 00-0057)*		
28 31 23 00-0059	EA	Intelligent 4D Multisensor Detector - Ionization, Photoelectric, Heat (EST3 SIGA-IPHS)	147.24	30.91
28 31 23 00-0060	EA	Intelligent 4D Multisensor Detector, Black - Ionization, Photoelectric, Heat (EST3 SIGA-IPHSB)	163.72	30.91
28 31 23 00-0061	EA	Intelligent 3D Multisensor Detector - Photoelectric, Heat (EST3 SIGA-PHS)	142.33	30.91
28 31 23 00-0062	EA	Intelligent Photoelectric Smoke Detector (EST3 SIGA-PS)	127.59	30.91
28 31 23 00-0063	EA	Intelligent Ionization Smoke Detector (EST3 SIGA-IS)	132.50	30.91
28 31 23 00-0064	EA	Intelligent Fixed Temperature / Rate-of-Rise Heat Detector - 135F, 15F Per Minute (EST3 SIGA-HRS)	111.16	30.91
28 31 23 00-0065	EA	Intelligent Fixed Temperature Heat Detector - 135 Degree F (EST3 SIGA-HFS)	111.16	30.91
28 31 23 00-0066	EA	Passive Infrared Motion Detector (EST3 SIGA-MD)	168.11	30.91
28 31 23 00-0067	EA	Passive Infrared Motion Detector With Swivel Mount For Single Gang Boxes (EST3 SIGA-MDS)	184.20	30.91
28 31 23 00-0068	EA	Intelligent Photoelectric Smoke Detector (EST3 SIGA2-PS)	157.66	30.91
28 31 23 00-0069	EA	Intelligent Combination Photo Electric And CO Sensor (EST3 SIGA2-PCOS)	221.59	30.91
28 31 23 00-0070	EA	Intelligent Fixed Temperature Heat Detector - 135 Degree F (EST3 SIGA2-HFS)	133.81	30.91
28 31 23 00-0071	EA	Intelligent Fixed Temperature / Rate-of-Rise Heat Detector - 135F, 15F Per Minute (EST3 SIGA2-HRS)	133.81	30.91
28 31 23 00-0072	EA	Intelligent 3D Multisensor Detector - Photoelectric, Heat (EST3 SIGA2-PHS)	179.15	30.91
28 31 23 00-0073		**Detectors, Duct Housings and Accessories, Signature** *(28 31 23 00-0057)*		
28 31 23 00-0074	EA	Superduct, Signature Duct Smoke Detector (EST3 SIGA-SD)	292.81	51.52
28 31 23 00-0075	EA	Superduct, Test Magnet Kit (EST3 SD-MAG)	14.51	
28 31 23 00-0076	EA	Superduct, 120" Air Sample Tube (EST3 SD-T120)	28.72	6.18
28 31 23 00-0077	EA	Superduct, Remote Test Station, Keyed, 2-Wire And SIGA (EST3 SD-TRK)	77.87	16.48
28 31 23 00-0078	EA	Duct Smoke Detector Test Station, 2-Gang Plastic Plate With Key Switch, 2 Keys, Use With Duct Detector Only (EST3 SIGA-DTS)	102.80	16.48
28 31 23 00-0079	EA	High Temp Heat Detector, 194 Degree F, Combination Rate-Of-Rise And Fixed Temperature (EST3 282B-PL)	49.44	16.48
28 31 23 00-0080		**Detectors, Smoke, Beam** *(28 31 23 00-0057)*		
28 31 23 00-0081	EA	Fireray 2000 Beam Alignment Aid, For Quick Alignment Of Beam Detector Transmitter And Receiver Heads (EST3 0201-01-A)	96.64	
28 31 23 00-0082	EA	Fireray 2000 Beam Smoke Detector (By Fire Fighting Enterprises) (EST3 22310-18-01) Note: Includes controller and remote mount transmitter and receiver head.	1,129.25	30.91
28 31 23 00-0083	EA	Fireray 2000 Beam Detector Prism, Use To Reflect Beam When Mounting Transmitter And Receiver Heads On Same Wall (EST3 23901-00)	71.21	10.30
28 31 23 00-0084	EA	Replacement Reflector, For EC-50R/-100R Reflective Beam Detectors (EST3 23901-01)	83.82	10.30
28 31 23 00-0085	EA	160 - 330' Reflective Beam Detector (EST3 EC-100R)	1,157.19	30.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0086	EA	15 - 160' Reflective Beam Detector (EST3 EC-50R)	988.67	30.91
28 31 23 00-0087	EA	Remote Test Station, For EC-50R/-100R Reflective Beam Detectors (EST3 EC-LLT)	231.31	10.30
28 31 23 00-0088	EA	160 - 330' Self Adjusting Reflective Beam Detector (EST3 EC-5000R)	1,219.31	30.91
28 31 23 00-0089		**Modules, Signature** *(28 31 23 00-0057)*		
28 31 23 00-0090	EA	Universal Class A/B Module - UIO Mount (EST3 SIGA-MAB)	134.82	20.61
28 31 23 00-0091	EA	Class B Single Input Module (One Gang Standard Mount) (EST3 SIGA-CT1)	91.33	20.61
28 31 23 00-0092	EA	Class B Dual Input Module (One Gang Standard Mount) (EST3 SIGA-CT2)	126.63	20.61
28 31 23 00-0093	EA	Class B Dual Input UIO (Plug In) Module (EST3 SIGA-MCT2)	121.68	20.61
28 31 23 00-0094	EA	Single Input (Riser) Module, Features A Built-In Ring Tone Generator, Use For Switching A Single Signal Or Audio Circuit (EST3 SIGA-CC1)	115.18	20.61
28 31 23 00-0095	EA	Dual Input (Riser) Module, Use For Switching (Selecting) Either Of Two Signal Or Audio Input Circuits To One Signal Output Circuit (EST3 SIGA-CC2)	136.52	20.61
28 31 23 00-0096	EA	Control Relay Module (One Gang Standard Mount) (EST3 SIGA-CR) Note: Select for either N.O. or N.C. operation. Rated at 2 amps (24Vdc).	110.20	20.61
28 31 23 00-0097	EA	Control Relay UIO (Plug In) Module (EST3 SIGA-MCR)	106.98	20.61
28 31 23 00-0098	EA	Single Input (Riser) Module With Strobe Synchronization Output (EST3 SIGA-CC1S)	139.82	20.61
28 31 23 00-0099	EA	Universal Input/Output Module - Input With Programmable Output (EST3 SIGA-IO)	136.52	20.61
28 31 23 00-0100	EA	Input/Output Module - UIO Mount, Multifunction Module With Input And Program (EST3 SIGA-MIO)	131.61	20.61
28 31 23 00-0101	EA	Waterflow/Tamper Module (One Gang Standard Mount) (EST3 SIGA-WTM)	121.42	100.82
28 31 23 00-0102	EA	Monitor Module (One Gang Standard Mount) (EST3 SIGA-MM1) Note: Factory programmed for non-latching monitor operation.	91.33	20.61
28 31 23 00-0103	EA	Single Input (Riser) Module, With Synchronization Output (EST3 SIGA-MCC1S)	140.45	20.61
28 31 23 00-0104		**Module Accessories, Signature** *(28 31 23 00-0057)* Note: Universal I/O motherboards are required for UIO plug-in modules. Module mounting plates can be used to mount multiple 1 & 2-gang modules.		
28 31 23 00-0105	EA	Module Mounting Bracket - For 4" Square Box, Mounting Kit Allows Installing 2 Single Gang Signature Modules Into A Single 4" Square Box (EST3 SIGA-MB4)	37.11	10.30
28 31 23 00-0106	EA	Universal Input/Output Module Motherboard - 6 Position, Use For M Series Modules (EST3 SIGA-UIO6)	120.09	20.61
28 31 23 00-0107	EA	Transient Protector - For Bell And Horn Circuits, Provides Transient Protection To -CC1, -MCC1, -CC2, -MCC2, -UM And -MAB Modules (EST3 235196P)	14.83	6.18
28 31 23 00-0108	EA	Signature Module Mounting Plate, 1 Footprint, Space For Up To Four 2-Gang Signature Modules Or Eight 1-Gang Signature Modules (EST3 SIGA-MP1)	42.79	10.30
28 31 23 00-0109	EA	Signature Module Mounting Plate, 1/2 Footprint, Space For Up To Two 2-Gang Signature Modules Or Four 1-Gang Signature Modules (EST3 SIGA-MP2)	38.71	10.30
28 31 23 00-0110	EA	Signature Module Mounting Plate, 1/2 Extended Footprint, Space For Up To Three 2-Gang Signature Modules Or Six 1-Gang Signature Modules (EST3 SIGA-MP2L)	40.32	10.30
28 31 23 00-0111		**Single Action Pull Stations, Signature** *(28 31 23 00-0057)*		
28 31 23 00-0112	EA	One Stage Fire Alarm Station, English Markings (EST3 SIGA-270)	156.40	42.87
28 31 23 00-0113	EA	Two Stage (Pre Signal) Fire Alarm Station, English Markings (EST3 SIGA-270P)	181.04	42.87
28 31 23 00-0114	EA	GA Key - For Pre Signal Station (EST3 276-K2)	20.75	16.64
28 31 23 00-0115	EA	20 Glass Rods For SIGA-270 Series Stations (EST3 270-GLR)	25.50	21.39
28 31 23 00-0116	EA	Surface Mount Box, Red - For SIGA-270 Series (EST3 276B-RSB)	43.61	27.12
28 31 23 00-0117		**Double Action Pull Stations, Signature** *(28 31 23 00-0057)*		
28 31 23 00-0118	EA	Double Action (One Stage) Fire Alarm Station, English Markings (EST3 SIGA-278)	161.31	42.87
28 31 23 00-0119	EA	12 Glass Rods For SIGA-278 Series (EST3 276-GLR)	25.85	4.13
28 31 23 00-0120		**Detector Bases and Accessories, Signature** *(28 31 23 00-0057)* Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, and -PHS detectors and -SB, -RB and -IB bases.		
28 31 23 00-0121	EA	Audible (Sounder) Base (EST3 SIGA-AB4G)	73.56	10.30
28 31 23 00-0122	EA	Surface Box - For Sounder Base, Use With -AB4G Models Only (EST3 AB4G-SB)	30.51	10.30
28 31 23 00-0123	EA	Audible (Sounder) Base, Mounts To 4" Square, 2-1/8" Deep Box (EST3 SIGA-AB4)	90.65	10.30
28 31 23 00-0124	EA	Detector (Smoke) Guard, Covers Detectors Mounted To Flush Boxes, Compatible With -IPHS And -PS Signature Detectors (EST3 SIGA-DG)	53.53	10.30
28 31 23 00-0125	EA	Detector (Smoke) Guard Surface Box - For SIGA-DG (EST3 SIGA-DGSB)	61.73	10.30
28 31 23 00-0126	EA	Detector Mounting Plate (EST3 SIGA-DMP) Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, -PHS and -IPHS detectors and -SB, -RB and -IB bases. SIGA-IPHS 4D detector is limited to operation in air velocities less than 500 feet per minute.	94.58	10.30
28 31 23 00-0127	EA	Remote Alarm LED, Use With -SB And -SB4 Standard Base Only (EST3 SIGA-LED)	37.11	10.30
28 31 23 00-0128	EA	Trim Skirt/Ring - For Octagon Box (EST3 SIGA-TS)	14.90	6.18
28 31 23 00-0129	EA	Trim Skirt/Ring - For 4" Square Box, Use To Hide Imperfections Around Electric Boxes Not Completely Hidden By Standard Bases, With All 4" Bases (EST3 SIGA-TS4)	14.90	6.18
28 31 23 00-0130	EA	Detector (Smoke) Guard Mounting Flange, Provides Secure Mounting While Offering Easy Guard Removal, With Tamper Hardware (EST3 SIGA-DGMF)	37.08	6.18
28 31 23 00-0131	EA	Detector Base With Isolator (EST3 SIGA-IB)	60.90	10.30
28 31 23 00-0132	EA	Detector Base With Isolator - For 4" Square Box, With TS4 Skirt (EST3 SIGA-IB4)	64.42	10.30
28 31 23 00-0133	EA	Detector Base With Form 'C' Relay (EST3 SIGA-RB)	54.77	10.30
28 31 23 00-0134	EA	Detector Base With Form 'C' Relay - For 4" Square Box, With TS4 Skirt (EST3 SIGA-RB4)	54.77	10.30
28 31 23 00-0135	EA	Detector Base - Standard, For 4" Square Box, With TS4 Skirt (EST3 SIGA-SB4)	31.74	10.30
28 31 23 00-0136		**Controllers, Signature** *(28 31 23 00-0057)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0137	EA	Signature Dual Driver Controller (EST3 3-SDDC1)	1,928.79	61.82
28 31 23 00-0138	EA	Single Signature Loop Controller (EST3 3-SSDC1)	1,118.41	61.82
28 31 23 00-0139	EA	Signature Loop Controller (EST3 3-SDC1)	1,007.80	61.82
28 31 23 00-0140	EA	Analog Addressable Loop Controller (EST3 3-AADC1)	1,597.24	61.82
28 31 23 00-0141		Relays And Accessories *(28 31 23 00-0057)*		
28 31 23 00-0142	EA	Multi Voltage Relay (EST3 MR101)	110.79	20.61
28 31 23 00-0143	EA	Single SPDT Auxiliary Relay With LED Track Mounting (EST3 MR101/T)	35.03	10.30
28 31 23 00-0144		Notification Appliances *(28 31 23 00-0002)*		
28 31 23 00-0145		Wall Strobes, Horns And Chimes *(28 31 23 00-0144)*		
28 31 23 00-0146	EA	Strobe (15, 30, 75, Or 110 cd Output), White (EST3 G1-VM)	96.93	30.91
28 31 23 00-0147	EA	Strobe (15, 30, 75, Or 110 cd Output), Red (EST3 G1R-VM)	96.93	30.91
28 31 23 00-0148	EA	Horn-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-HDVM)	108.37	30.91
28 31 23 00-0149	EA	Temporal Horn (Selectable High Or Low dB Output), White (EST3 G1-HD)	84.05	30.91
28 31 23 00-0150	EA	Temporal Horn (Selectable High Or Low dB Output), Red (EST3 G1R-HD)	84.05	30.91
28 31 23 00-0151	EA	Temporal Horn, Hi/Lo dB Output, 24 Volt, White, With The Word "FIRE" On Housing (EST3 G1F-HD)	84.05	30.91
28 31 23 00-0152	EA	Temporal Horn, Hi/Lo dB Output, 24 Volt, Red, With The Word "FIRE" On Housing (EST3 G1RF-HD)	84.05	30.91
28 31 23 00-0153	EA	Horn (Steady Tone), 24 Volt, White, Not Compatible With Signal Master (EST3 G1-P)	73.22	30.91
28 31 23 00-0154	EA	Horn (Steady Tone) - 24 Volt, Red, Not Compatible With Signal Master (EST3 G1R-P)	73.22	30.91
28 31 23 00-0155	EA	Horn (Steady Tone), 24 Volt, Red, With The Word "FIRE" On Housing, Not Compatible With Signal Master (EST3 G1RF-P)	73.22	30.91
28 31 23 00-0156	EA	Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-CVM)	155.05	30.91
28 31 23 00-0157	EA	Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), Red (EST3 G1R-CVM)	155.05	30.91
28 31 23 00-0158	EA	Genesis Chime (Selectable High Or Low dB Output), White (EST3 G1-C)	106.98	30.91
28 31 23 00-0159	EA	Genesis Chime (Selectable High Or Low dB Output), Red (EST3 G1R-C)	106.98	30.91
28 31 23 00-0160	EA	Wall Strobe, 15/75 cd, White, With The Word "FIRE" On Housing (EST3 G1F-V1575)	96.93	30.91
28 31 23 00-0161	EA	Multi-cd Strobe, 24 Volt, White, With The Word "FIRE" On Housing (EST3 G1F-VM)	96.93	30.91
28 31 23 00-0162	EA	Multi-cd Strobe, 24 Volt, Red, With The Word "FIRE" On Housing (EST3 G1RF-VM)	96.93	30.91
28 31 23 00-0163	EA	Wall Strobe, 15/75 cd, Red, With The Word "FIRE" On Housing (EST3 G1RF-V1575)	96.93	30.91
28 31 23 00-0164	EA	Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCF-VM)	100.15	30.91
28 31 23 00-0165	EA	Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCFR-VM)	100.15	30.91
28 31 23 00-0166	EA	Genesis Ceiling Strobe, 95-177 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST GCF-VMH)	107.67	30.91
28 31 23 00-0167	EA	Genesis Ceiling Strobe, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VM)	100.15	30.91
28 31 23 00-0168	EA	Genesis Ceiling Strobe, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VMH)	100.15	30.91
28 31 23 00-0169	EA	Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, White (EST3 G1T-FIRE)	66.18	30.91
28 31 23 00-0170	EA	Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, Red (EST3 G1RT-FIRE)	66.18	30.91
28 31 23 00-0171		Wall Speakers And Speaker Strobes *(28 31 23 00-0144)*		
28 31 23 00-0172	EA	Multi-Wattage 25 Volt Speaker (EST3 G4-S2)	83.08	30.91
28 31 23 00-0173	EA	Multi-Candela/Wattage 25 Volt Speaker-Strobe (EST3 G4-S2VM)	119.35	30.91
28 31 23 00-0174	EA	Multi-Wattage 70 Volt Speaker (EST3 G4-S7)	83.08	30.91
28 31 23 00-0175	EA	Multi-Candela/Wattage 70 Volt Speaker-Strobe (EST3 G4-S7VM)	119.35	30.91
28 31 23 00-0176	EA	Surface Box, White, For Genesis Speaker (EST3 G4B)	41.81	16.48
28 31 23 00-0177	EA	Surface Box, Red, For Genesis Speaker (EST3 G4RB)	41.81	16.48
28 31 23 00-0178		Ceiling Speakers And Speaker Strobes *(28 31 23 00-0144)*		
28 31 23 00-0179	EA	Genesis Ceiling Speaker, 70 Volt, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7)	96.23	30.91
28 31 23 00-0180	EA	Genesis Ceiling Speaker/Strobe, 70 Volt, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VM)	119.35	30.91
28 31 23 00-0181	EA	Genesis Ceiling Speaker/Strobe, 70 Volt, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VMH)	126.67	30.91
28 31 23 00-0182		Harsh Environment Signals *(28 31 23 00-0144)*		
28 31 23 00-0183	EA	Temporal Horn, Self-Synchronized, 24 Volt DC (EST3 757-1A-T)	87.23	30.91
28 31 23 00-0184	EA	15/75 cd Temporal Horn/Strobe, 24 Volt DC (EST3 757-7A-T)	116.10	30.91
28 31 23 00-0185	EA	110 cd Temporal Horn/Strobe, 24 Volt DC (EST3 757-8A-T)	116.10	30.91
28 31 23 00-0186	EA	Strobe - 15cd Synchronized, 24 Volt DC (EST3 405-5A-T)	107.52	30.91
28 31 23 00-0187	EA	Strobe - 15/75cd Synchronized, 24 Volt DC (EST3 405-7A-T)	101.81	30.91
28 31 23 00-0188	EA	Strobe - 30cd Synchronized, 24 Volt DC (EST3 405-3A-T)	107.52	30.91
28 31 23 00-0189	EA	Strobe - 60cd Synchronized, 24 Volt DC (EST3 405-6A-T)	107.52	30.91
28 31 23 00-0190	EA	Strobe - 110cd Synchronized, 24 Volt DC (EST3 405-8A-T)	107.52	30.91
28 31 23 00-0191	EA	15/75 cd Synchronized Strobe, 24 Volt DC, Red - Outdoor Listed (EST3 CS405-7A-T)	111.06	30.91
28 31 23 00-0192	EA	110 cd Synchronized Strobe, 24 Volt DC, Red - Outdoor Listed (EST3 CS405-8A-T)	111.06	30.91
28 31 23 00-0193	EA	15 cd Temporal Horn/Strobe, 24 Volt DC (EST3 757-5A-T)	90.74	30.91
28 31 23 00-0194	EA	30 cd Temporal Horn/Strobe, 24 Volt DC (EST3 757-3A-T)	113.41	30.91
28 31 23 00-0195		Fire Alarm Bells *(28 31 23 00-0144)*		
28 31 23 00-0196	EA	10" Single Stroke Fire Alarm Bells, 24 Volt DC (EST3 323D-10AW)	124.11	30.91
28 31 23 00-0197	EA	6" Vibrating Fire Alarm Bells, 24 Volt DC (EST3 439D-6AW)	102.55	30.91
28 31 23 00-0198	EA	10" Vibrating Fire Alarm Bells, 24 Volt DC (EST3 439D-10AW)	111.75	30.91
28 31 23 00-0199		Multiple Tone Signal *(28 31 23 00-0144)*		
28 31 23 00-0200	EA	27 Tone Selectable Signal, 24 Volt DC (EST3 5530MD-24AW)	708.79	677.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0201		**Multi-Purpose Loudspeaker** *(28 31 23 00-0144)*		
28 31 23 00-0202	EA	15 Watt Loudspeaker, Gray (EST3 HPSA15G2570)	158.50	30.91
28 31 23 00-0203	EA	15 Watt Loudspeaker, Red (EST3 HPSA15R2570)	158.50	30.91
28 31 23 00-0204		**Bell/Strobe Plate** *(28 31 23 00-0144)*		
28 31 23 00-0205	EA	Bell/Strobe Plate - 15cd (EST3 403-5A-R)	80.62	16.48
28 31 23 00-0206		**Mounting Accessories** *(28 31 23 00-0144)*		
28 31 23 00-0207	EA	Surface Mount Box - Indoor, Red, 1-Gang (EST3 27193-11)	42.48	16.48
28 31 23 00-0208	EA	One Gang Surface Mount Box, Red, No Bottom KO (EST3 27193-11-NY)	42.48	16.48
28 31 23 00-0209	EA	Surface Mount Box - Indoor, White, 1-Gang (EST3 27193-16)	42.48	16.48
28 31 23 00-0210	EA	Surface Mount Box - Indoor, Red, 2-Gang (EST3 27193-21)	42.48	16.48
28 31 23 00-0211	EA	Surface Mount Box - Indoor, White, 2-Gang (EST3 27193-26)	42.48	16.48
28 31 23 00-0212		**Firefighters' Telephones** *(28 31 23 00-0144)*		
28 31 23 00-0213	EA	Remote Telephone Warden Station - Flush, Red, 5' Armored Cable, Hinged Door With Magnetic Latch, 4-State (EST3 6830-NY-F4)	647.23	51.52
28 31 23 00-0214	EA	Four State Remote Telephone Warden Station - Surface, Armored Cord (EST3 6830-NY-S4)	375.14	51.52
28 31 23 00-0215	EA	Remote Telephone Warden Station - Flush, Armored Cord (EST3 6830-NY-F)	277.15	51.52
28 31 23 00-0216	EA	Telephone Handset Assembly - Red c/w 60" Coiled Cord (EST3 6830-1)	208.84	51.52
28 31 23 00-0217	EA	Remote Telephone Handset Station - 4-State, Red, 5' Coiled Cord (EST3 6830-4)	362.94	51.52
28 31 23 00-0218	EA	Three State Telephone Handset Assembly - Red, 60" Coiled Cord, Push To Talk Button (EST3 6830-5A)	233.22	51.52
28 31 23 00-0219	EA	Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Coiled Cord (EST3 6830-5A-4)	406.12	51.52
28 31 23 00-0220	EA	Three State Telephone Handset Assembly - Red, 60" Armored Cord, Push To Talk Button (EST3 6830-6A)	241.35	51.52
28 31 23 00-0221	EA	Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Armored Cable (EST3 6830-6A-4)	461.42	51.52
28 31 23 00-0222	EA	Portable Handset Receptacle, 1 Gang Stainless Steel Faceplate (EST3 6833-1)	55.77	16.48
28 31 23 00-0223	EA	Portable Telephone Receptacle - 1-Gang, SS, 4-State (EST3 6833-4)	62.85	16.48
28 31 23 00-0224	EA	Portable Telephone Handset - Black, Coiled Cord (EST3 6830-3)	78.61	
28 31 23 00-0225	EA	Portable Telephone Handset - Red, Coiled Cord (EST3 6700-0061)	78.61	
28 31 23 00-0226	EA	Frontplate - Flush Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-1)	126.10	20.61
28 31 23 00-0227	EA	Frontplate - Flush Mount, Red Finish, Non Break Glass Type With Two Keys (EST3 6831-2)	154.26	20.61
28 31 23 00-0228	EA	Frontplate - Surface Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-3)	112.02	20.61
28 31 23 00-0229	EA	Frontplate - Surface Mount, Red Finish, Non Break Glass Type, With Two Keys (EST3 6831-4)	107.88	20.61
28 31 23 00-0230	EA	Wallbox - Flush Or Surface Mount, Red Finish, 14" x 8-1/2" x 3-1/2" (EST3 6832-1)	87.54	30.91
28 31 23 00-0231	EA	Portable Handset Storage Cabinet, Surface Mount, With Keylock, Red Finish (EST3 TCS-6)	662.18	41.21
28 31 23 00-0232		**Mass Notification EC Appliances** *(28 31 23 00-0144)*		
28 31 23 00-0233	EA	G1 Wall, Strobe, White Housing, Alert Markings, Amber Lens (EST3 G1WA-VMA)	100.17	30.91
28 31 23 00-0234	EA	G1 Wall, Strobe, White Housing, Alert Markings, Clear Lens (EST3 G1WA-VMC)	97.25	30.91
28 31 23 00-0235	EA	G1 Wall, Strobe, White Housing, No Markings, Amber Lens (EST3 G1WN-VMA)	100.17	30.91
28 31 23 00-0236	EA	G1 Wall, Strobe, White Housing, No Markings, Clear Lens (EST3 G1WN-VMC)	97.25	30.91
28 31 23 00-0237	EA	G1 Wall, White Trim Ring, Alert Marking (EST3 G1WT-ALERT)	15.87	6.18
28 31 23 00-0238		**Hazardous Location Devices** *(28 31 23 00-0002)*		
28 31 23 00-0239		**Detectors, Rate Compensation Heat, For Explosion/Weather/Moisture Proof And Ordinary Location** *(28 31 23 00-0238)*		
28 31 23 00-0240	EA	Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 135 Degree F (EST3 302-135)	90.85	30.91
28 31 23 00-0241	EA	Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 194 Degree F (EST3 302-194)	90.85	30.91
28 31 23 00-0242	EA	Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 135 Degree F (EST3 302-AW-135)	93.29	30.91
28 31 23 00-0243	EA	Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 194 Degree F (EST3 302-AW-194)	93.29	30.91
28 31 23 00-0244	EA	Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 135 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-135)	122.33	30.91
28 31 23 00-0245	EA	Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 194 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-194)	122.33	30.91
28 31 23 00-0246	EA	Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 135 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-135)	93.29	30.91
28 31 23 00-0247	EA	Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 194 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-194)	93.29	30.91
28 31 23 00-0248		**Hazardous Locations Fire Alarm Station** *(28 31 23 00-0238)*		
28 31 23 00-0249	EA	Hazardous Location Fire Alarm Station (EST3 XAL53)	684.13	51.52
28 31 23 00-0250	EA	Explosion Proof, Weatherproof, Fire Alarm Station, Single Action, Cat 45 Key Reset, Terminal Connections, DPDT (EST3 MPSR1-D45WX-GE)	652.55	51.52
28 31 23 00-0251		**Hazardous Location Strobes** *(28 31 23 00-0238)*		
28 31 23 00-0252	EA	Explosion Proof Strobe (EST3 116DEXSTC-FJ)	993.46	30.91
28 31 23 00-0253	EA	Wall Bracket Mounting Elbow (EST3 116EX-B)	187.74	10.30
28 31 23 00-0254	EA	Ceiling / Wall Mounting Module (EST3 116EX-C)	245.04	12.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0255	EA	Pendant Mounting Module (EST3 116EX-P)	181.50	12.37
28 31 23 00-0256		**Hazardous Location Bells** *(28 31 23 00-0238)*		
28 31 23 00-0257	EA	6" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-6AW)	721.31	30.91
28 31 23 00-0258	EA	8" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-8AW)	739.58	30.91
28 31 23 00-0259	EA	10" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-10AW)	746.16	30.91
28 31 23 00-0260		**Hazardous Location Horns** *(28 31 23 00-0238)*		
28 31 23 00-0261	EA	Hazardous Location Horns (EST3 888D-N5)	705.55	30.91
28 31 23 00-0262	EA	Explosionproof Horn, Diode Polarized, 24 Volt DC (EST3 889D-AW)	579.08	30.91
28 31 23 00-0263		**Door Holders And Relays** *(28 31 23 00-0002)*		
28 31 23 00-0264		**Electromagnetic Door Holders** *(28 31 23 00-0263)*		
28 31 23 00-0265	EA	Door Holder, Single, Floor Mount - 24 Volt AC / 24 Volt DC / 120 Volt AC (EST3 1501-AQN5)	139.17	30.91
28 31 23 00-0266	EA	Door Holder, Double, Floor Mount - 24 Volt AC / 24 Volt DC / 120 Volt AC (EST3 1502-AQN5)	175.85	30.91
28 31 23 00-0267	EA	Door Holder, Flush, Wall Mount - 24 Volt AC / 24 Volt DC / 120 Volt AC (EST3 1504-AQN5)	120.44	30.91
28 31 23 00-0268	EA	Door Holder, Flush, Wall Mount, Short Catch Plate - 24 Volt AC / 24 Volt DC / 120 Volt AC (EST3 1505-AQN5)	120.44	30.91
28 31 23 00-0269	EA	Door Holder, Surface, Wall Mount - 24 Volt AC / 24 Volt DC / 120 Volt AC (EST3 1508-AQN5)	122.13	30.91
28 31 23 00-0270	EA	Door Holder, Completely Flush, Wall Mount - 24 Volt AC / 24 Volt DC / 120 Volt AC (EST3 1509-AQN5)	123.75	30.91
28 31 23 00-0271		**Control Relays, Multi-Voltage** *(28 31 23 00-0263)*		
28 31 23 00-0272	EA	Single SPDT With LED, Adhesive Tape Mounting (EST3 PAM1)	28.11	6.18
28 31 23 00-0273		**FireShield Plus** *(28 31 23 00-0002)*		
28 31 23 00-0274		**3 Zone System** *(28 31 23 00-0273)*		
28 31 23 00-0275	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 Volt, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302R)	794.21	247.29
28 31 23 00-0276	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 Volt, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302RD)	1,141.77	329.72
28 31 23 00-0277	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 Volt, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302G)	794.21	247.29
28 31 23 00-0278	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 Volt, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302GD)	1,141.77	329.72
28 31 23 00-0279	EA	Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G)	52.22	10.30
28 31 23 00-0280	EA	Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R)	52.22	10.30
28 31 23 00-0281		**5 Zone System** *(28 31 23 00-0273)*		
28 31 23 00-0282	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 Volt, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502R)	845.37	247.29
28 31 23 00-0283	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 Volt, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502RD)	1,190.00	329.72
28 31 23 00-0284	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 Volt, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502G)	845.37	247.29
28 31 23 00-0285	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 Volt, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502GD)	1,190.00	329.72
28 31 23 00-0286	EA	Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G)	52.22	10.30
28 31 23 00-0287	EA	Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R)	52.22	10.30
28 31 23 00-0288		**10 Zone System** *(28 31 23 00-0273)*		
28 31 23 00-0289	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 Volt, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004R)	1,207.54	329.72
28 31 23 00-0290	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 Volt, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004RD)	1,555.11	412.14
28 31 23 00-0291	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 Volt, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004G)	1,185.61	329.72
28 31 23 00-0292	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 Volt, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004GD)	1,555.11	412.14
28 31 23 00-0293	EA	Semi Flush Trim Kit For 10 Zone Enclosures, Gray (EST3 F-TRIM10G)	60.13	10.30
28 31 23 00-0294	EA	NAC Power Expansion Transformer, 120 Volt, Increases 10 Zone FACP NAC (EST3 F-XTR120)	110.81	20.61
28 31 23 00-0295		**FireShield Plus Off Premise Communication Options** *(28 31 23 00-0273)*		
28 31 23 00-0296	EA	F-Series Upload/Download DACT And Modem, Dual Line, With 2x16 LCD (EST3 F-DACT)	231.22	20.61
28 31 23 00-0297		**FireShield Plus Remote LED Annunciators** *(28 31 23 00-0273)*		
28 31 23 00-0298	EA	Remote System Indicator, Power, Alarm, Supervisory, Trouble And Ground Fault LED's With Local Buzzer, Single Gang, And White Trim Plate (EST3 FSRSI)	109.25	30.91
28 31 23 00-0299	EA	Remote Zone Indicator, Contains 5 Red LED's For Alarm Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-A)	109.25	30.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0300	EA	Remote Zone Indicator, Contains 5 Bi-Color LED's (Red/Yellow) For Alarm Or Supervisory Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-SA)	112.98	30.91
28 31 23 00-0301	EA	Remote Annunciator Trim Plate - 2 Gang - White (EST3 FSAT2)	21.88	6.18
28 31 23 00-0302	EA	Remote Annunciator Trim Plate - 3 Gang - White (EST3 FSAT3)	26.65	6.18
28 31 23 00-0303	EA	Remote Annunciator Trim Plate - 4 Gang - White (EST3 FSAT4)	38.11	6.18
28 31 23 00-0304		**FireShield Plus Remote 10 Zone LED Annunciators** *(28 31 23 00-0273)*		
28 31 23 00-0305	EA	Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10)	310.30	30.91
28 31 23 00-0306	EA	Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators And Common Control Switches, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10C)	339.53	30.91
28 31 23 00-0307	EA	Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglass Window, Gray (EST3 RA-ENC1)	114.29	20.61
28 31 23 00-0308		**FireShield Plus Remote Relays And Interfaces** *(28 31 23 00-0273)*		
28 31 23 00-0309	EA	Remote Relay Module, 5 Form C Contacts, Jumper Selectable Operation, With Mounting Track (EST3 FSRRM24)	120.25	20.61
28 31 23 00-0310	EA	11" Snap Track Holds 2-4 RRMs, Used To Mount FSRRMs In MFC-A Or Other Listed Enclosure, MFC-A Will Hold Two FSRRM-11S (EST3 FSRRM-S11)	51.66	12.37
28 31 23 00-0311	EA	Common Function Graphic Driver/Interface - 9 Relays And 5 Switch Inputs For Common System Indicators And Controls (EST3 FSUIM)	185.91	20.61
28 31 23 00-0312		**FireShield Plus Accessories** *(28 31 23 00-0273)*		
28 31 23 00-0313	EA	Resistor Kit With 1-3.6K And 1-1.1K (46071-0409) (EST3 EOL3.6-1.1)	11.77	
28 31 23 00-0314	EA	4.7k UL End Of Line Resistor With Fireshield Panels (EST3 EOL47PK7)	7.77	
28 31 23 00-0315		**iO Series Fire Control Panels** *(28 31 23 00-0002)*		
28 31 23 00-0316		**Intelligent Analog Control Panels** *(28 31 23 00-0315)*		
28 31 23 00-0317	EA	FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amp Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 18a/h Batteries, English (EST3 iO500G)	2,420.32	412.14
28 31 23 00-0318	EA	FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amp Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 18 a/h Batteries, With Dual Line Dialer/Modem, English (EST3 iO500GD)	2,562.10	412.14
28 31 23 00-0319	EA	FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amp Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 10 a/h Batteries, English (EST3 iO64G)	1,932.75	329.72
28 31 23 00-0320	EA	FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amp Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 10a/h Batteries, With Dual Line Dialer/Modem, English (EST3 iO64GD)	1,998.53	329.72
28 31 23 00-0321		**Option Modules And Accessories For iO Series** *(28 31 23 00-0315)*		
28 31 23 00-0322	EA	16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Left Side Mounting, Zones 1-16 (EST3 D16L-iO-1)	207.98	30.91
28 31 23 00-0323	EA	16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Right Side Mounting, Zones 17-32, Requires D16L-iO-1 (EST3 D16L-iO-2)	134.90	30.91
28 31 23 00-0324	EA	Serial Interface, RS232, 4 Terminal Connections For Supervised/Unsupervised Printers And Connection To PC's (EST3 SA-232)	134.90	30.91
28 31 23 00-0325	EA	Class A NAC Module, For 64 Point Systems Only, Mounts To Main Board (EST3 SA-CLA)	114.29	20.61
28 31 23 00-0326	EA	Dialer/Modem, Two Telephone Line Connections, RJ31, Mounts To Base Plate (EST3 SA-DACT)	222.98	16.48
28 31 23 00-0327	EA	Ethernet Port Interface, RJ45, Mounts To Base Plate (EST3 SA-ETH)	398.38	16.48
28 31 23 00-0328	EA	Trim Kit For Semi-Flush Mounting 64 Point Systems (EST3 SA-TRIM1)	51.30	10.30
28 31 23 00-0329	EA	Trim Kit For Semi-Flush Mounting 500 Point Systems (EST3 SA-TRIM2)	58.61	10.30
28 31 23 00-0330	EA	Expansion Loop For iO500 Systems, 125 Detectors/125 Modules, Mounts On Main Board (EST3 XAL250)	740.16	41.21
28 31 23 00-0331		**Remote Annunciators For iO Series** *(28 31 23 00-0315)*		
28 31 23 00-0332	EA	Remote Annunciator, 80 Character LCD, Common System Indicators, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD)	408.95	30.91
28 31 23 00-0333	EA	Remote Annunciator, 80 Character LCD, Common System Indicators And Controls, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD-C)	427.23	30.91
28 31 23 00-0334		**Remote Annunciator Accessories** *(28 31 23 00-0315)*		
28 31 23 00-0335	EA	24 Expander Cable Assembly, With Cable And Hardware (EST3 730073)	49.84	10.30
28 31 23 00-0336	EA	12 Expander Cable (Cable Only) (EST3 7120313-01)	35.23	10.30
28 31 23 00-0337	EA	24 Expander Cable (Cable Only) (EST3 7120313-02)	46.18	10.30
28 31 23 00-0338	EA	Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglass Window, Beige (EST3 RA-ENC1)	134.90	30.91
28 31 23 00-0339	EA	Dual Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglass Window, Beige (EST3 RA-ENC2)	153.17	30.91
28 31 23 00-0340	EA	Three Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglass Window, Beige (EST3 RA-ENC3)	171.44	30.91
28 31 23 00-0341	EA	Blank Zone Card Insert For RLEDx Controllers (EST3 RA-LED16ZC)	35.23	10.30
28 31 23 00-0342	EA	Blank Zone Card Insert For RLED24x Controllers (EST3 RA-LED24ZC)	35.23	10.30
28 31 23 00-0343	EA	Remote Key Switch, Single Gang Mount, Provides Keyed Control To Enable/Disable Common Control Switches On Remote Annunciators (EST3 RKEY)	67.16	10.30

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0344		**System Accessories** *(28 31 23 00-0315)*		
28 31 23 00-0345	EA	Battery Cabinet, 14" x 18.25" x 7.25" Free Standing Cabinet With Key Lock, Supports Up To 40 Amp Hours Batteries, Will Hold Up To Two 12 Volt, 24 Amp Batteries (EST3 BC-1)	322.86	82.43
28 31 23 00-0346	EA	Isolator Module - RS232, For Use With Short Haul Modems, VDU-3, CCA Series, CGP Series And FCOM-232, Requires 1/2 Size Cabinet Footprint (EST3 IOP3A)	1,158.14	329.72
28 31 23 00-0347		**Conventional Initiating Devices** *(28 31 23 00-0002)*		
28 31 23 00-0348		**Detectors, Heat, Double Pole** *(28 31 23 00-0347)*		
		Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.		
28 31 23 00-0349	EA	Heat Detector, 135 Degree F Fixed Temperature (CF135-2)	101.20	30.91
28 31 23 00-0350	EA	Heat Detector, 200 Degree F Fixed Temperature (CF200-2)	101.20	30.91
28 31 23 00-0351	EA	Heat Detector, 135 Degree F ROR/Fixed Temperature (CR135-2)	101.20	30.91
28 31 23 00-0352	EA	Heat Detector, 200 Degree F ROR/Fixed Temperature (CR200-2)	101.20	30.91
28 31 23 00-0353		**Detectors, Rate Compensation Heat, Accessories** *(28 31 23 00-0347)*		
28 31 23 00-0354	EA	Heat Detector, Rate Compensation, Adapter Plate For Mounting 302 And 302-AW To Any 3 Outlet Box Or 4" Octagon Outlet Box (GE AP-P)	67.34	30.91
28 31 23 00-0355	EA	Explosion Proof Outlet Body With Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE JALX11)	152.44	16.48
28 31 23 00-0356	EA	4" Weatherproof, Octagon Backbox And Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE STONCO27)	55.45	20.61
28 31 23 00-0357		**Detectors, Heat, Fire-Lite** *(28 31 23 00-0347)*		
		Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.		
28 31 23 00-0358	EA	Explosion Heat Detector, 135 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-135)	95.61	30.91
28 31 23 00-0359	EA	Explosion Heat Detector, 194 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-194)	95.61	30.91
28 31 23 00-0360		**Audio Notification Systems (Standalone Voice Evacuation)** *(28 31 23 00-0002)*		
28 31 23 00-0361		**Audio Notification Panels** *(28 31 23 00-0360)*		
28 31 23 00-0362	EA	Audio Notification Panel, 100W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS100MDG)	2,994.81	412.14
28 31 23 00-0363	EA	Audio Notification Panel, 100W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS100MDR)	2,994.81	412.14
28 31 23 00-0364	EA	Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS25MDG)	2,285.92	412.14
28 31 23 00-0365	EA	Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS25MDR)	2,285.92	412.14
28 31 23 00-0366	EA	Audio Notification Panel, 50W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS50MDG)	2,636.72	412.14
28 31 23 00-0367	EA	Audio Notification Panel, 50W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS50MDR)	2,636.72	412.14
28 31 23 00-0368		**Audio Notification Expander Panels** *(28 31 23 00-0360)*		
28 31 23 00-0369	EA	Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS100XG)	2,344.39	412.14
28 31 23 00-0370	EA	Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS100XR)	2,344.39	412.14
28 31 23 00-0371	EA	Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS25XG)	1,657.43	412.14
28 31 23 00-0372	EA	Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS25XR)	1,657.43	412.14
28 31 23 00-0373	EA	Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS50XG)	2,059.37	412.14
28 31 23 00-0374	EA	Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS50XR)	2,059.37	412.14
28 31 23 00-0375		**Audio Notification Output Accessories** *(28 31 23 00-0360)*		
28 31 23 00-0376	EA	Zone Adapter, 1 Circuit To 2 Circuit's (GE ANSZC2B)	86.38	10.30
28 31 23 00-0377	EA	Zone Splitter, 2 Class A Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS2A)	370.08	20.61
28 31 23 00-0378	EA	Zone Splitter, 4 Class B Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS4B)	370.08	20.61
28 31 23 00-0379	EA	Class A Converter (GE ANSZSC4A)	267.76	20.61
28 31 23 00-0380		**Audio Notification Remote Microphone** *(28 31 23 00-0360)*		
28 31 23 00-0381	EA	Microphone (GE ANSMIKE)	106.98	20.61
28 31 23 00-0382	EA	Remote Microphone, Supervised In Surface/Semi-Flush Gray Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMG)	406.62	20.61
28 31 23 00-0383	EA	Remote Microphone, Supervised In Surface/Semi-Flush Red Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMR)	406.62	20.61
28 31 23 00-0384	EA	Remote Microphone Supervisory Card, One Per System, Supervises Up To 5 Remote Microphones (GE ANSREMSUP)	93.69	10.30
28 31 23 00-0385	EA	Relay Card For Supervision/Zone Splitter To Remote Microphone (GE ANSZSR)	53.49	10.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0386		**Audio Notification Accessories** *(28 31 23 00-0360)*		
28 31 23 00-0387	EA	Audio Matching - Line Input/Output Card (GE ANSAUX)	172.76	20.61
28 31 23 00-0388	EA	Class B Backup Amplifier Switching Module (GE ANSBKUP)	172.76	20.61
28 31 23 00-0389	EA	Class A Backup Amplifier Switching Module (GE ANSBKUPA)	172.76	20.61
28 31 23 00-0390	EA	Eight Input Remote Serial Interface Module, Accepts Dry Contact Interface To Control Up To 8 Messages, Message Recording Included With Module, For Industrial Signaling Only, Not UL Listed For Fire Alarm / Life Safety Applications (GE ANSRSI8)	370.08	20.61
28 31 23 00-0391		**Audio Notification Modules, Without Cabinet And Transformer** *(28 31 23 00-0360)*		
28 31 23 00-0392	EA	100W Expander Module (No Microphone OR DMR), Requires Transformer Ordered Separately (GE ANS100A) Note: Excludes cabinet.	1,332.12	41.21
28 31 23 00-0393	EA	100W Expander Module With Microphone (No DMR), Requires Transformer Ordered Separately (GE ANS100AM) Note: Excludes cabinet.	1,397.89	41.21
28 31 23 00-0394	EA	100W Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS100AMD) Note: Excludes cabinet.	1,924.08	41.21
28 31 23 00-0395	EA	25 Watt Expander Module (No Microphone Or DMR), Requires Transformer Ordered Separately (GE ANS25A) Note: Excludes cabinet.	740.16	41.21
28 31 23 00-0396	EA	25 Watt Expander Module With Microphone (No DMR), Requires Transformer (GE ANS25AM) Note: Excludes cabinet.	740.16	41.21
28 31 23 00-0397	EA	25 Watt Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS25AMD)	1,332.12	41.21
28 31 23 00-0398	EA	50W Expander Module (No Microphone Or DMR) (GE ANS50A) Note: Excludes cabinet.	1,069.03	41.21
28 31 23 00-0399	EA	50W Expander Module With Microphone (No DMR) (GE ANS50AM) Note: Excludes cabinet.	1,134.80	41.21
28 31 23 00-0400	EA	50W Audio Notification Module With DMR And Microphone (GE ANS50AMD) Note: Excludes cabinet.	1,660.99	41.21
28 31 23 00-0401	EA	Power Transformer, Open Frame, 28 Volt AC @ 180 VA (EVAX 50/100) (GE ANST28180)	86.38	10.30
28 31 23 00-0402	EA	Power Transformer, Open Frame, 28 Volt AC @ 100 VA (EVAX 25) (GE ANST2885)	65.22	10.30
28 31 23 00-0403		**Gamewell-FCI Fire Control Instruments** *(28 31 23)*		
28 31 23 00-0404		**7100 Series And NetSOLO®** *(28 31 23 00-0403)*		
28 31 23 00-0405		**7100 Compact Analog Addressable Fire Alarm Control Panels** *(28 31 23 00-0404)*		
28 31 23 00-0406	EA	Enclosure With Metal Door (Gamewell-FCI 7100-ENCL-M)	693.47	246.88
28 31 23 00-0407	EA	Basic Systems Kit, 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2)	2,870.33	411.46
28 31 23 00-0408	EA	Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2D)	3,102.79	411.46
28 31 23 00-0409	EA	Basic Systems Kit, 2 Signaling Line Circuits (SLC), 240 Volt AC (Gamewell-FCI BK-7100-2-E)	2,870.33	411.46
28 31 23 00-0410	EA	Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC), 240 Volt AC (Gamewell-FCI BK-7100-2D-E)	3,102.79	411.46
28 31 23 00-0411	EA	Replacement Board For 7100-1D (Gamewell-FCI BSM-7100-1)	798.50	41.14
28 31 23 00-0412	EA	Replacement Board For 7100-2 (Gamewell-FCI BSM-7100-1D)	954.01	41.14
28 31 23 00-0413	EA	Analog Loop Unit (Gamewell-FCI ALU)	954.01	41.14
28 31 23 00-0414		**NetSOLO® Intelligent Network** *(28 31 23 00-0404)*		
28 31 23 00-0415	EA	Intelligent Network Interface Module, Fiber Optic (Gamewell-FCI INI-7100-FO) Note: Mounted in 7100 panel.	1,056.33	41.14
28 31 23 00-0416	EA	Intelligent Network Interface Module, Unshielded Twisted Pair (Gamewell-FCI INI-7100-UTP) Note: Mounted in 7100 panel.	842.70	41.14
28 31 23 00-0417		**Components And Accessories** *(28 31 23 00-0404)*		
28 31 23 00-0418	EA	Remote Serial Annunciator, LCD Display (Gamewell-FCI LCD-7100)	525.00	30.86
28 31 23 00-0419	EA	Remote LED Driver Module, Outputs For Remote Panel Switches And 33 Remote LEDs (Gamewell-FCI LDM-7100)	406.43	41.14
28 31 23 00-0420	EA	Fiber Optic Line Driver Module (Gamewell-FCI FLD-1)	731.38	41.14
28 31 23 00-0421	EA	Class "A" Optional Module For Both Signaling Line Circuits (SLC) (Gamewell-FCI CAOM)	304.93	41.14
28 31 23 00-0422	EA	Replacement Enclosure Box (Gamewell-FCI EN-7100)	268.53	82.30
28 31 23 00-0423	EA	Serial Printer (Order RJAA To Db25 Connector Separately) (Gamewell-FCI P7200-TR-2)	754.88	20.58
28 31 23 00-0424		**E3 Series® Basic System** *(28 31 23 00-0403)*		
28 31 23 00-0425	EA	Intelligent Loop Interface, Mother Board (Gamewell-FCI ILI-MB-E3)	721.52	41.14
28 31 23 00-0426	EA	Intelligent Loop Interface, Supplemental (Gamewell-FCI ILI-S-E3)	625.25	41.14
28 31 23 00-0427	EA	Intelligent Loop Interface, Mother Board, XP95 Protocol (Gamewell-FCI ILI95-MB-E3)	721.52	41.14
28 31 23 00-0428	EA	Intelligent Loop Interface, Supplemental, XP95 Protocol (Gamewell-FCI ILI95-S-E3)	625.25	41.14
28 31 23 00-0429	EA	LCD Keypad Display (Gamewell-FCI LCD-E3)	454.04	41.14
28 31 23 00-0430	EA	Power Supply Module (Gamewell-FCI PM-9)	589.66	41.14
28 31 23 00-0431	EA	Transponder 9 Ampere Power Supply (Gamewell-FCI PM-9 INX)	498.84	41.14
28 31 23 00-0432	EA	Power Supply And Charger, 120/220 Volt AC (Gamewell-FCI PM-9G 9A)	526.25	41.14
28 31 23 00-0433	EA	Digital Alarm Communication Transmitter (Gamewell-FCI DACT-E3)	290.90	41.14
28 31 23 00-0434	EA	Network Repeater, Fiber Optic (Gamewell-FCI RPT-E3-FO)	750.91	41.14
28 31 23 00-0435	EA	Network Repeater, Unshielded Twisted Pair (Gamewell-FCI RPT-E3-UTP)	631.89	41.14

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0436	EA	Local Operating Console (Gamewell-FCI 1100-0455)	423.46	30.86
28 31 23 00-0437	EA	Network Graphic Annunciator (Gamewell-FCI 1100-0505)	1,336.71	30.86
28 31 23 00-0438	EA	70.7 VRMS Audio Output Series Amplifier Module (Gamewell-FCI AM-50-70)	542.41	41.14
28 31 23 00-0439	EA	INI-VGE-UTP Classic Enabled Voice Gateway Module (Gamewell-FCI 1100-1326)	1,618.33	41.14
28 31 23 00-0440	EA	8-1/4" Wide x 10" High x 4-1/2" Deep Cabinet (Gamewell-FCI E3BB-BAA1)	403.93	82.30
28 31 23 00-0441	EA	C Size, Black, Command Center Enclosure (Gamewell-FCI E3BB-BC/INCC)	306.33	82.30
28 31 23 00-0442	EA	Double Size, Blank, Inner Door Panel (Gamewell-FCI E3-BP)	68.25	20.58
28 31 23 00-0443	EA	Programmable Switch Module (Gamewell-FCI ASM-16)	385.17	41.14
28 31 23 00-0444	EA	LED Driver module (Gamewell-FCI ANU-48)	385.17	41.14
28 31 23 00-0445	EA	Network Graphic Annunciator (Gamewell-FCI NGA)	1,122.12	30.86

28 31 23 00-0446 Addressable Devices, Module, Pulls And Accessories *(28 31 23 00-0403)*

28 31 23 00-0447 Velociti® Series Sensors And Bases *(28 31 23 00-0446)*

28 31 23 00-0448	EA	Analog Addressable Plug-In Ionization Smoke Sensor (Gamewell-FCI ASD-IL2F)	128.84	30.86
28 31 23 00-0449	EA	Analog Addressable Plug-In Photoelectric Smoke Sensor (Gamewell-FCI ASD-PL2F)	131.29	30.86
28 31 23 00-0450	EA	Analog Addressable Plug-In Photoelectric Smoke Sensor With 135 Degree F Fixed Temperature Thermal Sensing (Gamewell-FCI ASD-PTL2F)	138.66	30.86
28 31 23 00-0451	EA	Addressable Plug-In Thermal Sensor, 15 Degree F Rate Of Rise, 135 Degree F (Gamewell-FCI ATD-RL2F)	109.19	30.86
28 31 23 00-0452	EA	Addressable Plug-In Thermal Sensor, 190 Degree F (Gamewell-FCI ATD-HL2F)	113.29	30.86
28 31 23 00-0453	EA	Addressable Plug-In Thermal Sensor, 135 Degree F (Gamewell-FCI ATD-L2F)	109.19	30.86
28 31 23 00-0454	EA	Addressable Plug-In Multi-Criteria Analog Sensor (Gamewell-FCI MCS-ACCLIMATE2F)	155.85	30.86
28 31 23 00-0455	EA	Analog Addressable Laser Smoke Sensor, Low Profile (Gamewell-FCI ASD-LS)	327.74	30.86
28 31 23 00-0456	EA	Analog Addressable Low Flow Photoelectric Smoke Duct Detector Without Relay (Gamewell-FCI ADPF)	287.02	51.44
28 31 23 00-0457	EA	Analog Addressable Low Flow Photoelectric Smoke Duct Detector With Relay (Gamewell-FCI ADPRF)	319.77	51.44
28 31 23 00-0458	EA	Replacement Duct Detector Board (Gamewell-FCI ADP-F-SB)	165.89	51.44
28 31 23 00-0459	EA	Flanged Mounting Base, For Use With Analog Sensor Or Velociti Sensors (Gamewell-FCI ADB-FLF)	33.68	10.28
28 31 23 00-0460	EA	Harsh Environment Analog Addressable Photoelectric Smoke Sensor (Gamewell-FCI ASD-FILTREX-F)	352.29	30.86
28 31 23 00-0461	EA	Flanged Mounting Base, For Use With ASD-FILTREX Or ASD-FILTREX-F (Gamewell-FCI ADB-FILTREXF)	71.74	10.28
28 31 23 00-0462	EA	Addressable Single-Ended Reflected Beam Smoke Sensor (Gamewell-FCI ABD-2F)	1,228.43	61.72

28 31 23 00-0463 Velociti® Series Modules And Pull Station *(28 31 23 00-0446)*

28 31 23 00-0464	EA	Style "B", Class "B" Addressable Monitor Module (Gamewell-FCI AMM-2F)	93.12	20.58
28 31 23 00-0465	EA	Dual Style "B", Class "B" Addressable Monitor Module (Gamewell-FCI AMM-2IF)	145.09	20.58
28 31 23 00-0466	EA	Style "D", Class "A" Addressable Monitor Module (Gamewell-FCI AMM-4F)	101.30	20.58
28 31 23 00-0467	EA	Subloop Style "D", Class "A" Addressable Monitor Module (Gamewell-FCI AMM-4SF)	139.36	20.58
28 31 23 00-0468	EA	Addressable Output Relay Control Module (Gamewell-FCI AOM-2RF)	117.67	20.58
28 31 23 00-0469	EA	Addressable Output Supervised Module (Gamewell-FCI AOM-2SF)	121.76	20.58
28 31 23 00-0470	EA	Addressable Double Action Station, With AMM-2SF Mini-Mod (Gamewell-FCI MS-7AF)	175.20	41.14
28 31 23 00-0471	EA	Addressable Single Action Pull Station (Gamewell-FCI MS-7ASF)	166.61	41.14
28 31 23 00-0472	EA	Telephone Filters (Gamewell-FCI AOM-TEL-FL)	20.51	4.12

28 31 23 00-0473 Components And Accessories *(28 31 23 00-0446)*

28 31 23 00-0474	EA	Remote LED Annunciator Alarm (Gamewell-FCI RA400Z) Note: Mounts on single gang box.	53.37	16.46
28 31 23 00-0475	EA	Up To 2' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-1.5)	51.37	20.58
28 31 23 00-0476	EA	>2' To 4' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-3)	53.01	20.58
28 31 23 00-0477	EA	>4' To 8' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-5)	54.65	20.58
28 31 23 00-0478	EA	>8' To 10' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-10)	69.79	20.58
28 31 23 00-0479	EA	Remote Test Station With LED Alarm And Magnet Test Switch (Gamewell-FCI RTS451) Note: Mounts on single gang box.	78.75	16.46

28 31 23 00-0480 Fixed And Rate of Rise Heat Detectors *(28 31 23 00-0446)*

28 31 23 00-0481	EA	135 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5601P)	75.63	30.86
28 31 23 00-0482	EA	194 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5602)	75.63	30.86
28 31 23 00-0483	EA	135 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5603)	75.63	30.86
28 31 23 00-0484	EA	194 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5604)	75.63	30.86

28 31 23 00-0485 NAC Expander/Power Supply *(28 31 23 00-0446)*

28 31 23 00-0486	EA	FireForce 8 NAC Expander/Power Supply, 12/24 Volt DC, 8 Amp, 4 Notification Appliance Circuits, Built-in Synchronization Protocols For Gamewell, Wheelock, Gentex, Faraday, And System Sensor (Gamewell-FCI FF8)	1,247.66	329.17
28 31 23 00-0487	EA	6A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-6)	1,092.14	329.17
28 31 23 00-0488	EA	9A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-9)	1,169.90	329.17

28 31 23 00-0489 Batteries And Accessories *(28 31 23 00-0403)*

28 31 23 00-0490	EA	B-17R, 12 Volt, 17 Amp Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2010A)	181.92	20.58
28 31 23 00-0491	EA	B-55R, 12 Volt, 55 Amp Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2710A)	448.76	20.58
28 31 23 00-0492	EA	B-7R, 12 Volt, 7 Amp Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2311A)	100.07	20.58
28 31 23 00-0493	EA	BC-1, Battery Cabinet, Beige (Gamewell-FCI 1100-0653)	312.73	82.30
28 31 23 00-0494	EA	BC-1R, Battery Cabinet, Red (Gamewell-FCI 1100-0654)	312.73	82.30
28 31 23 00-0495	EA	12"H x 12"W x 24"L Vented Steel Battery Cabinet With Hinged Key Lockable Cover (Gamewell-FCI GW70970)	288.99	82.30

28 31 23 00-0496 Electronic Door Holders *(28 31 23 00-0403)*

Note: Rixson products.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0497	EA	XK-996, Door Holder Extender Kit, 1-1/2" Spacer (Gamewell-FCI 140-30000)	32.29	4.12
28 31 23 00-0498	EA	FM-980, Floor Mount Door Holder, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC (Gamewell-FCI 140-90000)	258.16	30.86
28 31 23 00-0499	EA	FM-981, Floor Mount Holder For Double Doors, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC (Gamewell-FCI 140-90001)	347.38	30.86
28 31 23 00-0500	EA	FM-990, Low Profile Mount Door Holder, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC (Gamewell-FCI 140-90002)	169.27	30.86
28 31 23 00-0501	EA	FM-996, Surface Mount Door Holder, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC (Gamewell-FCI 140-90003)	161.91	30.86
28 31 23 00-0502	EA	FM-997 Recessed Mount Door Holder, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC (Gamewell-FCI 140-90004)	169.27	30.86
28 31 23 00-0503	EA	FM-998, Recessed Mount Door Holder With Concealed Wiring, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC (Gamewell-FCI 140-90005)	168.94	30.86
28 31 23 00-0504		SpectrAlert® Advance Wall Mount 2-Wire Horn/Strobes *(28 31 23 00-0403)*		
28 31 23 00-0505	EA	2 Wire Horn/Strobe, 12/24 Volt, Red, 15, 15/75, 30, 75, 110 And 115 Candela (Gamewell-FCI P2R)	123.11	30.86
28 31 23 00-0506	EA	2 Wire Horn/Strobe, 12/24 Volt, White, 15, 15/75, 30, 75, 110 And 115 Candela (Gamewell-FCI P2W)	123.11	30.86
28 31 23 00-0507	EA	2 Wire Outdoor Horn/Strobe, 12/24 Volt, Red, 15, 15/75, 30, 75, 110 And 115 Candela (Gamewell-FCI P2RK)	145.21	30.86
28 31 23 00-0508	EA	Replacement Outdoor Horn/Strobe, 12/24 Volt, Red, 15, 15/75, 30, 75, 110 And 115 Candela (Gamewell-FCI P2RK-R)	113.17	20.58
28 31 23 00-0509		SpectrAlert® Advance Accessories *(28 31 23 00-0403)*		
28 31 23 00-0510	EA	Red, Wall Mount Backbox Skirt For Horn/Strobe (Gamewell-FCI BBS-2)	20.94	6.17
28 31 23 00-0511	EA	White Wall Surface Mount Backbox Skirt For Horn/Strobe (Gamewell-FCI BBSW-2)	20.94	6.17
28 31 23 00-0512	EA	Red, Ceiling Mount Backbox Skirt For Horn/Strobe (Gamewell-FCI BBSC-2)	24.63	6.17
28 31 23 00-0513	EA	White, Ceiling Mount Backbox Skirt For Horn/Strobe (Gamewell-FCI BBSCW-2)	24.63	6.17
28 31 23 00-0514	EA	Weatherproof, Red, Wall Mount Backbox Skirt For Horn/Strobe (Gamewell-FCI SA-WBB)	30.77	6.17
28 31 23 00-0515	EA	Weatherproof, Red, Ceiling Mount Backbox Skirt For Horn/Strobe (Gamewell-FCI SA-WBBC)	30.77	6.17
28 31 23 00-0516		Fire Alarm Programming *(28 31 23 00-0403)* Note: For device replacement projects only. Do not use these tasks on projects where a fire alarm panel is replaced.		
28 31 23 00-0517	EA	Program And Test Up To 5 Fire Alarm Devices	500.00	
28 31 23 00-0518	EA	Program And Test >5 To 20 Fire Alarm Devices	1,000.00	
28 31 23 00-0519	EA	Program And Test >20 To 50 Fire Alarm Devices	2,000.00	
28 31 23 00-0520		Simplex Fire Alarm *(28 31 23)*		
28 31 23 00-0521		4100 Fire Alarm Control Panel *(28 31 23 00-0520)*		
28 31 23 00-0522	EA	4100U Master Controller Assembly With LCD And Operator Interface, 9 Amp System Power Supply/Battery Charger (SPS), 250 Point IDNet Interface, 3 NACS, Auxiliary Relay And External RUI Communications Interface, 120 Volt AC Input (Simplex 4100-9111)	3,862.07	411.46
28 31 23 00-0523	EA	4100ES NDU With Master Controller, LCD And Operator Interface, Network Interface Module (Select Media Card Separately), 9 Amp System Power Supply/Battery Charger, And External RUI Communications Interface (Power Supply/Battery Charger Is An SPS With Its IDNet Channel And NACs Disabled), 120 Volt Input (Simplex 4100-9141)	4,179.54	411.46
28 31 23 00-0524	EA	4100ES NDU With VCC Includes The First Bay Equipment Described For The NDU And A Second Bay Assembly With Separate: Master Controller For Voice Functions, Network Interface (Select Media Card Separately), And A Standard SPS With 250 Point IDNet Channel; And 3, 3 A Class A/B NACs Capable Of SmartSync Two-Wire Operation, 120 V Input (Simplex 4100-9142)	5,842.29	411.46
28 31 23 00-0525	EA	IDNet Module, Up To 127 Points (Simplex 4100-3104) Note: Add-on module.	2,614.47	411.46
28 31 23 00-0526	EA	IDNet Module, Up To 64 Points (Simplex 4100-3105) Note: Add-on module.	2,130.31	411.46
28 31 23 00-0527	EA	Expansion Power Supply, 3 NACs, 120 Volt AC (Simplex 4100-5101) Note: Add-on module.	1,155.86	102.86
28 31 23 00-0528	EA	Alarm Relay, 3 Form C Relays, 2 Amp @ 32 Volt DC, For SPS Or RPS (Simplex 4100-6033) Note: Add-on module.	241.34	20.58
28 31 23 00-0529	EA	Dual Port RS-232 Interface Card (Simplex 4100-6038) Note: Add-on module.	674.56	20.58
28 31 23 00-0530		4100U Backbox *(28 31 23 00-0520)*		
28 31 23 00-0531	EA	2 Bay Backbox With Glass Door And Dress Panel (Simplex 2975-9425) Note: 24" x 40" beige backbox.	1,191.82	82.30
28 31 23 00-0532	EA	3 Bay Backbox With Glass Door And Dress Panel (Simplex 2975-9443) Note: 24" x 56" beige backbox.	1,662.85	82.30
28 31 23 00-0533		DACT (Digital Alarm Communicator Transmitter) *(28 31 23 00-0520)*		
28 31 23 00-0534	EA	6 Zone Fire Control Communicator (Silent Knight SK-5104)	650.74	41.14
28 31 23 00-0535		4010 Fire Alarm Control Panel *(28 31 23 00-0520)*		
28 31 23 00-0536	EA	120 Volt AC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, External N2 Communications Interface, And Internal Common Event Reporting DACT (Simplex 4010-9101)	3,667.44	411.46
28 31 23 00-0537	EA	240 Volt AC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, And External N2 Communications Interface (Simplex 4010-9201)	3,699.53	411.46
28 31 23 00-0538	EA	Dual Circuit Class A NAC Adapter Module (Simplex 4010-9806)	134.66	20.58
28 31 23 00-0539	EA	Dual RS-232 Interface Module Expansion Slot Option (Simplex 4010-9811)	560.06	20.58
28 31 23 00-0540	EA	Single RS-232 Interface Module With Service Modem Connection Expansion Slot Option (Simplex 4010-9812)	767.27	20.58

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0541	EA	120 Volt AC, 4 Amp Expansion Power Supply Expansion Module (Simplex 4010-9813)	397.79	20.58
28 31 23 00-0542	EA	240 Volt AC, 4 Amp Expansion Power Supply Expansion Module (Simplex 4010-9823)	429.87	20.58
28 31 23 00-0543	EA	Battery Meter Module Expansion Module (Simplex 4010-9820)	165.83	20.58
28 31 23 00-0544		**Printer** *(28 31 23 00-0520)*		
28 31 23 00-0545	EA	24 Pin Dot Matrix Printer (Simplex 4190-9013)	1,156.71	20.58
28 31 23 00-0546		**NAC Panel / Power Booster** *(28 31 23 00-0520)*		
28 31 23 00-0547	EA	IDNet NAC Extender With 4, Class B (Style Y) NACs and 8 Amp Power Supply, 120 Volt AC (Simplex 4009-9201) Note: Power supply for horns and strobes.	789.05	102.86
28 31 23 00-0548		**Battery** *(28 31 23 00-0520)*		
28 31 23 00-0549	EA	50 Amp Hours Sealed Lead Acid Battery (Simplex 2081-9296) Note: Two required for 24 volt DC.	473.37	20.58
28 31 23 00-0550	EA	33 Amp Hours Sealed Lead Acid Battery (Simplex 2081-9276) Note: Two required for 24 volt DC.	317.61	20.58
28 31 23 00-0551	EA	6.2 Amp Hours Sealed Lead Acid Battery (Simplex 2081-9272) Note: Two required for 24 volt DC.	120.32	20.58
28 31 23 00-0552		**Interface Modules** *(28 31 23 00-0520)*		
28 31 23 00-0553	EA	Supervised Individual Addressable Modules (Simplex 4090-9001) Note: Monitor modules for waterflow/tamper, etc.	98.91	20.58
28 31 23 00-0554	EA	Relay Individual Addressable Modules (Simplex 4090-9002) Note: Control modules for gas shutdown, door holders, etc.	195.06	20.58
28 31 23 00-0555	EA	Relay SPDT With LED MR-801/T (Simplex 2088-9032) Note: Interface relay for 120VAC	53.62	20.58
28 31 23 00-0556	EA	SmartSync™ Adapter Module For Non-Addressable Notification Appliance Circuits (NACs) (Simplex 4905-9815)	99.97	20.58
28 31 23 00-0557	EA	Surface Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9817)	45.00	10.28
28 31 23 00-0558	EA	Flush Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9818)	42.97	10.28
28 31 23 00-0559		**Pull Stations** *(28 31 23 00-0520)*		
28 31 23 00-0560	EA	Addressable Single Action Manual Pull Station (Simplex 4099-9001)	160.70	41.14
28 31 23 00-0561	EA	N.O. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9101)	129.13	41.14
28 31 23 00-0562	EA	N.C. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9102)	135.23	41.14
28 31 23 00-0563	EA	Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9103)	126.38	41.14
28 31 23 00-0564	EA	N.O. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9104)	139.30	41.14
28 31 23 00-0565	EA	N.C. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9105)	185.76	41.14
28 31 23 00-0566	EA	Pre-Signal, N.O. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9107)	163.73	41.14
28 31 23 00-0567	EA	Pre-Signal, N.O. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9108)	184.09	41.14
28 31 23 00-0568	EA	Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9754)	112.16	41.14
28 31 23 00-0569	EA	Local Alarm Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9755)	115.89	41.14
28 31 23 00-0570	EA	Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9756)	127.88	41.14
28 31 23 00-0571	EA	N.C. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9758)	171.49	41.14
28 31 23 00-0572	EA	Pre-Signal, N.O. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9759)	260.67	41.14
28 31 23 00-0573	EA	Institutional Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9762)	118.95	41.14
28 31 23 00-0574	EA	Surface Mount Steel Box For Manual Pull Station (Simplex 2975-9178)	47.05	10.28
28 31 23 00-0575		**Weatherproof Pull Stations** *(28 31 23 00-0520)*		
28 31 23 00-0576	EA	Weather Proof Single Action Pull Station, Cast Metal, B Lock, SPST (Simplex 2099-9138)	151.53	41.14
28 31 23 00-0577	EA	Surface Mount Cast Aluminum Box For Exterior Pull Station (Simplex 2975-9211)	74.10	10.28
28 31 23 00-0578		**Heat / Smoke Sensor** *(28 31 23 00-0520)*		
28 31 23 00-0579	EA	32 To 122 Degree F Heat Sensor (Simplex 4098-9733)	121.69	30.86
28 31 23 00-0580	EA	Photoelectric Smoke Sensor (Simplex 4098-9714)	171.66	30.86
28 31 23 00-0581	EA	Sensor Base With Relay Driver (Simplex 4098-9791)	314.71	10.28
28 31 23 00-0582	EA	Standard Sensor Base (Simplex 4098-9792)	161.95	10.28
28 31 23 00-0583	EA	Remote Supervised Relay Accessory For Sensor Base With Relay Driver (Simplex 2098-9737) Note: Relay for 4098-9791	99.29	20.58
28 31 23 00-0584		**Explosion Proof Heat Detector** *(28 31 23 00-0520)*		
28 31 23 00-0585	EA	135 Degree F Explosion Proof Heat Detector (Simplex 2098-9488)	128.08	30.86
28 31 23 00-0586	EA	Explosion Proof Backbox (Killark JLX-21)	79.63	10.28
28 31 23 00-0587	EA	Explosion Proof Backbox Plugs (Killark CUP-2)	7.73	2.05
28 31 23 00-0588		**Weatherproof Heat Detector** *(28 31 23 00-0520)*		
28 31 23 00-0589	EA	194 Degree F Fixed Hardwired Weatherproof Heat Detector (Simplex 2098-9490)	95.97	30.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0590		**200 Degree F Heat Detector** *(28 31 23 00-0520)*		
28 31 23 00-0591	EA	194 Degree F Heat Detector, ROR/Fixed Temperature (Simplex 5604) Note: Used in kiln rooms and kitchens.	81.62	30.86
28 31 23 00-0592		**Duct Smoke Sensor** *(28 31 23 00-0520)*		
28 31 23 00-0593	EA	Duct Sensor Housing (Simplex 4098-9755)	257.69	16.46
28 31 23 00-0594	EA	Duct Sensor Housing With Supervised Output For Multiple Remote Relays, 4-Wire (Simplex 4098-9756) Note: Relay output for AHU shutdown.	353.46	37.03
28 31 23 00-0595	EA	Duct Sampling Tube (Simplex 2098-9798) Note: 25", 49", 73" or 97" sampling tube length.	33.58	6.17
28 31 23 00-0596	EA	Remote Duct Test Station With Key Switch And Red LED Status Indicator (Simplex 2098-9806)	102.03	30.86
28 31 23 00-0597		**Interior Horn** *(28 31 23 00-0520)*		
28 31 23 00-0598	EA	Red With White "FIRE" Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9850)	95.35	30.86
28 31 23 00-0599	EA	White With Red "FIRE" Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9853)	95.35	30.86
28 31 23 00-0600		**Interior Horn Strobe** *(28 31 23 00-0520)*		
28 31 23 00-0601	EA	Wall Mounted Horn Strobe, Multi-Candela, Red (Wheelock HS4-24MCW-FR)	127.10	30.86
28 31 23 00-0602	EA	Surface Backbox For HS4 Series (Wheelock DBB-R)	29.35	10.28
28 31 23 00-0603	EA	Wall Mounted Horn Strobe, 75Cd, Red (Simplex 4903-9426)	127.10	30.86
28 31 23 00-0604	EA	Wall Mounted Horn Strobe, 110Cd, Red (Simplex 4903-9427)	127.10	30.86
28 31 23 00-0605	EA	Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9127)	119.86	30.86
28 31 23 00-0606	EA	Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9128)	119.86	30.86
28 31 23 00-0607	EA	Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9129)	119.86	30.86
28 31 23 00-0608	EA	Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9130)	119.86	30.86
28 31 23 00-0609	EA	Weatherproof, Red Housing, White Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9131)	122.29	30.86
28 31 23 00-0610	EA	Weatherproof, White Housing, Red Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9132)	122.29	30.86
28 31 23 00-0611	EA	Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9139)	126.56	30.86
28 31 23 00-0612	EA	Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9140)	124.59	30.86
28 31 23 00-0613	EA	Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9141)	126.56	30.86
28 31 23 00-0614	EA	Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9142)	124.59	30.86
28 31 23 00-0615	EA	Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9227)	119.86	30.86
28 31 23 00-0616	EA	Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9228)	119.86	30.86
28 31 23 00-0617	EA	Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9229)	119.86	30.86
28 31 23 00-0618	EA	Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9230)	119.86	30.86
28 31 23 00-0619		**Weatherproof Horn Strobe** *(28 31 23 00-0520)*		
28 31 23 00-0620	EA	Wall Mounted Weatherproof Horn Strobe, 4 Wire, Multi-Candela, Red (Wheelock MTWP-2475W-FR)	134.71	30.86
28 31 23 00-0621	EA	Weatherproof Surface Backbox For MTWP Series (Wheelock IOB-R)	33.40	10.28
28 31 23 00-0622		**Interior Strobe** *(28 31 23 00-0520)*		
28 31 23 00-0623	EA	Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9101)	104.47	30.86
28 31 23 00-0624	EA	Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9102)	104.47	30.86
28 31 23 00-0625	EA	Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9103)	104.44	30.86
28 31 23 00-0626	EA	Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9104)	104.47	30.86
28 31 23 00-0627	EA	Weatherproof, Red Housing, White Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9105)	113.67	30.86
28 31 23 00-0628	EA	Weatherproof, White Housing, Red Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9106)	113.67	30.86
28 31 23 00-0629	EA	Wall Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9109)	114.26	30.86
28 31 23 00-0630	EA	Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9110)	115.87	30.86
28 31 23 00-0631	EA	Wall Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9111)	115.87	30.86
28 31 23 00-0632	EA	Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9112)	115.87	30.86

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28 31 23 00-0633	EA	Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9201)	104.47	30.86
28 31 23 00-0634	EA	Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9202)	104.47	30.86
28 31 23 00-0635	EA	Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9203)	104.47	30.86
28 31 23 00-0636	EA	Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9204)	104.47	30.86
28 31 23 00-0637	EA	Wall Mounted Strobe, Multi-Candela, Red (Wheelock RSS-24MCW-FR)	93.82	30.86
28 31 23 00-0638	EA	Surface Backbox For RSS Series (Wheelock SHBB-R)	31.91	10.28
28 31 23 00-0639		**Weatherproof Strobe** *(28 31 23 00-0520)*		
28 31 23 00-0640	EA	Weatherproof Wall Mounted Strobe, Multi-Candela, Red (Wheelock RSSWP-2475W-FR)	117.50	30.86
28 31 23 00-0641	EA	Weatherproof Surface Backbox For RSSWP Series (Wheelock WPSBB-R)	35.93	10.28
28 31 23 00-0642		**Interior Speakers** *(28 31 23 00-0520)*		
28 31 23 00-0643	EA	Red With White “FIRE” Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9716)	87.56	30.86
28 31 23 00-0644	EA	White With Red “FIRE” Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9717)	87.56	30.86
28 31 23 00-0645	EA	Ceiling Or Wall Mount, Round Housing Speaker (Simplex 4902-9721)	87.56	30.86
28 31 23 00-0646		**Interior Speaker Strobe** *(28 31 23 00-0520)*		
28 31 23 00-0647	EA	Red Housing, White Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9151)	134.28	30.86
28 31 23 00-0648	EA	White Housing, Red Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9153)	134.28	30.86
28 31 23 00-0649		**Surge Suppressors** *(28 31 23 00-0520)*		
28 31 23 00-0650	EA	Overvoltage Suppressor (Simplex 2081-9044)	80.88	6.17
28 31 23 00-0651	EA	Isolated Loop Circuit Protector (Simplex 2081-9028)	52.68	6.17
28 31 23 00-0652	EA	120 Volt, 20 Amp Multi Stage Hybrid Surge Protector With EMI/RFI Filtering (Ditek 120S20A)	170.21	6.17
28 31 23 00-0653	EA	24 Volt Data And Loop Circuit Surge Protector (Ditek DTK-2MHLP24B)	59.95	6.17
28 31 23 00-0654	EA	Mounting Base For Two DTK-2MHLP (Ditek DTK-2MB)	90.74	10.28
28 31 23 00-0655	EA	120 Volt, 22,500 Amp, Equipment Panel/Dedicated Circuit Surge Protector (Ditek DTK-120HW)	64.66	6.17
28 31 23 00-0656	EA	<105 Volt, 9,000 Amp, RJ31 Connection, Alarm Dialer Surge Protection (Ditek DTK-MRJ31SCWP)	49.16	6.17
28 31 23 00-0657		**Boxes And Adapters** *(28 31 23 00-0520)*		
28 31 23 00-0658	EA	Semi-Flush Mount Modular Adapter Using Standard 4” Square Electrical Box (Simplex 4905-9921)	42.97	10.28
28 31 23 00-0659	EA	Surface Mount Modular Adapter Using Simplex Box (Simplex 4905-9925)	40.94	10.28
28 31 23 00-0660	EA	Red, Surface Mount Adapter Skirt (Simplex 4905-9937)	36.94	10.28
28 31 23 00-0661	EA	White, Surface Mount Adapter Skirt (Simplex 4905-9940)	31.28	10.28
28 31 23 00-0662		**Accessories** *(28 31 23 00-0520)*		
28 31 23 00-0663	EA	End-Of-Line Resistor Harness, 10 k Ohms, 1/2 Watt, Two Required, One Each For Audible And Visible Output (Simplex 4081-9008)	22.95	10.28
28 31 23 00-0664		**Covers** *(28 31 23 00-0520)*		
28 31 23 00-0665	EA	Pull Station Polycarbonate Cover, Semi Flush (STI-1200)	93.76	20.58
28 31 23 00-0666	EA	Pull Station Polycarbonate Cover With Spacer (STI-1230) Note: For surface mounted pull stations.	102.53	20.58
28 31 23 00-0667	EA	Horn Strobe Polycarbonate Cover With Spacer (STI-1210D) Note: For surface mounted horn strobes.	102.53	20.58
28 31 23 00-0668	EA	Horn Strobe Polycarbonate Cover, Semi Flush (STI-1210E)	93.76	20.58
28 31 23 00-0669	EA	Strobe Damage Stopper And Open Backbox With Conduit Knockout (STI-1221D) Note: For surface mounted strobe.	102.53	20.58
28 31 23 00-0670	EA	Strobe Damage Stopper And Open Backbox, Semi Flush (STI-1221E)	93.76	20.58
28 31 23 00-0671	EA	Gasket Kit For STI Covers (STI SUB-121)	29.89	
28 31 23 00-0672		**Siemens Fire Alarm** *(28 31 23)*		
28 31 23 00-0673		**Conventional Control Panels** *(28 31 23 00-0672)*		
28 31 23 00-0674		**SXL Batteries And Power Supplies** *(28 31 23 00-0673)*		
28 31 23 00-0675	EA	6 Amp Notification Appliance Circuit Expander With Built-In Auxiliary Power Output (Siemens PAD-3)	678.64	41.14
28 31 23 00-0676	EA	Main Board Only For PAD-3 (Siemens PAD-3-MB)	550.02	41.14
28 31 23 00-0677		**Digital Fire Communicators** *(28 31 23 00-0673)*		
28 31 23 00-0678	EA	Four Channel Digital Slave Fire Communicator (Siemens 5129)	533.07	41.14
28 31 23 00-0679		**Addressable Control Panels** *(28 31 23 00-0672)*		
28 31 23 00-0680		**Fireseeker Equipment** *(28 31 23 00-0679)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0681		**FS-250 System Panels** *(28 31 23 00-0680)*		
28 31 23 00-0682	EA	FS-250 Electronics Package Including One FS-250-CON And Two FS-NPE, Excludes Enclosure (Siemens FS-250-EKIT) Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer.	1,767.71	411.46
28 31 23 00-0683	EA	FS-250 Electronics Package Including One FS-250-CON, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-REL-EKIT) Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.	2,160.60	411.46
28 31 23 00-0684	EA	FS-250-SRX Releasing Electronics Package Including One FS-250-CON2-SRX, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-SRX-EKIT) Note: FS-250-CON2-SRX is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.	1,324.83	329.17
28 31 23 00-0685	EA	Electronics Package For Releasing Water Or Agent (Siemens FS-250-CON)	1,770.05	411.46
28 31 23 00-0686		**FS-250 Optional Modules** *(28 31 23 00-0680)*		
28 31 23 00-0687	EA	Main Board Module (Siemens FS-MB2)	683.32	41.14
28 31 23 00-0688	EA	Display Board Module (Siemens FS-DB2)	527.57	20.58
28 31 23 00-0689	EA	Device Loop Card (Siemens FS-DLC)	434.02	20.58
28 31 23 00-0690	EA	Releasing Module (Siemens FS-REL)	197.83	20.58
28 31 23 00-0691	EA	Remote LCD Annunciator (Siemens FS-RD2)	431.10	20.58
28 31 23 00-0692	EA	Relay Processor Card (Siemens FS-RU2)	375.56	20.58
28 31 23 00-0693	EA	Relay Expander Board (Siemens FS-RE8)	321.77	20.58
28 31 23 00-0694	EA	Serial Annunciator Processor Card (Siemens FS-SAU2)	431.10	20.58
28 31 23 00-0695	EA	16 Output Annunciator Extender (Siemens FS-SAE16)	338.14	20.58
28 31 23 00-0696	EA	Digital Alarm Communication Transmitter (Siemens FS-DACT)	308.33	20.58
28 31 23 00-0697	EA	Municipal Tie Module (Siemens FS-MT)	263.31	20.58
28 31 23 00-0698	EA	Configuration Tool Including Laptop To FS-250 Cable And Software (Siemens FS-CT2)	250.09	
28 31 23 00-0699	EA	Programming Cable Kit (Siemens CBL-UD)	65.60	10.28
28 31 23 00-0700	EA	Notification Appliance Circuit Power Expander Transformer (Siemens FS-NPE)	118.90	20.58
28 31 23 00-0701	EA	Releasing Power Transformer (Siemens FS-RPT-A)	120.65	20.58
28 31 23 00-0702	EA	Surface Mounted Box For Remote LCD Annunciator (Siemens FS-RD-SB)	133.47	16.46
28 31 23 00-0703	EA	Cabinet Trim Kit (Siemens RD-CAB-TK)	210.01	10.28
28 31 23 00-0704		**Firefinder Systems** *(28 31 23 00-0679)*		
28 31 23 00-0705		**XLS Basic Fire System Packages Without Backbox** *(28 31 23 00-0704)*		
28 31 23 00-0706	EA	500 Point Firefinder Package Including Two DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-500-ID-SP) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.	5,944.77	411.46
28 31 23 00-0707	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-ID-SP) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.	5,277.10	411.46
28 31 23 00-0708	EA	250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-INT-ID-SP) Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.	5,277.10	411.46
28 31 23 00-0709	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB2-BD And One OD-LP (Siemens XLS-250-CAB2-BD) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB2-BD is a two row inner and outer door set. OD-LP is an outer door clear plastic lens plate.	8,595.57	411.46
28 31 23 00-0710	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB3-BD, One BCL, One ID-SP And One OD-LP (Siemens XLS-250-CAB3-BD) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB3-BD is a three row inner and outer door set. ID-SP is an inner door blank single plate. OD-LP is an outer door clear plastic lens plate.	8,872.70	411.46
28 31 23 00-0711	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-EP) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.	5,209.87	411.46
28 31 23 00-0712	EA	250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-INT-EP) Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.	5,209.87	411.46
28 31 23 00-0713	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-8B, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC8B-EP) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-8B is an eight circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.	5,990.96	411.46
28 31 23 00-0714		**Firefinder - XLS Basic System Equipment** *(28 31 23 00-0704)*		
28 31 23 00-0715	EA	Person Machine Interface With Central Processor (Siemens PMI) Note: Includes inner door.	2,771.56	411.46
28 31 23 00-0716	EA	Person Machine Interface With Central Processor, DE-2 And DPU (Siemens PMI-DPU-ENC) Note: Includes inner door.	4,496.86	411.46

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28 31 23 00-0717	EA	Person Machine Interface With Multilingual Overlays And Central Processor (Siemens PMI-INT) Note: Includes inner door.	2,771.56	411.46
28 31 23 00-0718	EA	Two Slot Card Cage (Siemens CC-2)	331.13	20.58
28 31 23 00-0719	EA	Five Slot Card Cage (Siemens CC-5)	553.88	20.58
28 31 23 00-0720	EA	Four Circuit Zone Indicating Card (Siemens ZIC-4A)	787.74	20.58
28 31 23 00-0721	EA	Eight Circuit Zone Indicating Card (Siemens ZIC-8B)	822.23	20.58
28 31 23 00-0722	EA	Two Channel Adapter Card For ZIC-8B (Siemens ZIC-2C)	265.65	20.58
28 31 23 00-0723	EA	Device Loop Card (Siemens DLC) Note: Interfaces with up to 252 detectors and devices.	932.15	20.58
28 31 23 00-0724	EA	Controllable Relay Card (Siemens CRC-6) Note: Provides six programmable relays.	531.66	20.58
28 31 23 00-0725	EA	12 Amp Power Supply Charger Module (Siemens PSC-12)	1,989.78	20.58
28 31 23 00-0726	EA	Person Machine Interface With Central Processor And GPMI-UK Software Upgrade Kit (Siemens GPMI) Note: Software kit provides interface with multiple FireFinder XLS and MXL systems.	3,551.48	411.46
28 31 23 00-0727	EA	Network Interface Card (Siemens NIC-C) Note: Provides HNET Or XNET communication between enclosures.	620.53	20.58
28 31 23 00-0728	EA	12 Amp Power Supply Extender (Siemens PSX-12) Note: Extends PSC-12 with an additional 24 volt DC.	1,656.53	20.58
28 31 23 00-0729	EA	Power Termination Board (Siemens PTB) Note: Used with systems requiring more than one PSX-12.	286.69	20.58
28 31 23 00-0730	EA	Conventional Detector Card (Siemens CDC-4)	598.31	20.58
28 31 23 00-0731	EA	Multi-Mode Network Fiber Optic Interface Module (Siemens D2300CPS)	1,163.67	20.58
28 31 23 00-0732	EA	Single-Mode Network Fiber Optic Interface Module (Siemens D2325CPS)	4,161.75	20.58
28 31 23 00-0733		**Remote Lobby Enclosure** *(28 31 23 00-0704)*		
28 31 23 00-0734	EA	14-1/2" x 18-1/2" x 5" Two Module Remote Enclosure (Siemens REMBOX2) Note: Flush mounted. Includes clear lens plate on cover.	800.09	82.30
28 31 23 00-0735	EA	24" x 18-1/2" x 5" Four Module Remote Enclosure (Siemens REMBOX4) Note: Flush mounted. Includes clear lens plate on cover.	1,022.26	82.30
28 31 23 00-0736	EA	Optional Mounting Plate For REMBOX2 (Siemens REMBOX2-MP) Note: Required to mount up to four SIM-16 or OCM-16 modules.	130.59	20.58
28 31 23 00-0737	EA	Optional Mounting Plate For REMBOX4 (Siemens REMBOX4-MP) Note: Required to mount up to eight SIM-16 or OCM-16 modules.	141.70	20.58
28 31 23 00-0738		**Battery Enclosures** *(28 31 23 00-0704)*		
28 31 23 00-0739	EA	Enclosure For 100 Amp Hours Batteries (Siemens CAB-BATT)	510.11	82.30
28 31 23 00-0740		**Graphic Annunciator Output Drivers And Inputs** *(28 31 23 00-0704)*		
28 31 23 00-0741	EA	Output Control Module (Siemens OCM-16)	386.67	20.58
28 31 23 00-0742	EA	Supervised Input Module (Siemens SIM-16)	386.67	20.58
28 31 23 00-0743		**Remote LCD Displays** *(28 31 23 00-0704)*		
28 31 23 00-0744	EA	Remote LED/LCD System Status Display (Siemens SSD) Note: No control or menu capability.	902.78	61.72
28 31 23 00-0745	EA	Remote LED/LCD System Status Display, Buttons To Acknowledge Events, Silence Audible Circuits And Resetting (Siemens SSD-C)	1,014.45	61.72
28 31 23 00-0746		**Voice Equipment** *(28 31 23 00-0704)*		
28 31 23 00-0747	EA	40W Zone Amplifier Card (Siemens ZAC-40)	878.36	20.58
28 31 23 00-0748	EA	180W Zone Amplifier Module (Siemens ZAM-180)	1,934.82	20.58
28 31 23 00-0749	EA	Live Voice Module (Siemens LVM) Note: Includes a dynamic microphone with a push-to-talk switch and ready-to-page indicator light, as well as a small local speaker and volume control for monitoring audio signals.	820.48	20.58
28 31 23 00-0750		**MXL Series Equipment** *(28 31 23 00-0679)*		
28 31 23 00-0751		**MXL Optional Equipment** *(28 31 23 00-0750)*		
28 31 23 00-0752	EA	Two Circuit Analog Loop Driver (Siemens ALD-2I)	954.60	41.14
28 31 23 00-0753	EA	CXL/MXL Interface Module (Siemens CMI-300)	2,426.51	20.58
28 31 23 00-0754	EA	Four Relay Programmable Relay Module (Siemens CRM-4)	424.67	20.58
28 31 23 00-0755	EA	Two Circuit Controllable Signal/Releasing Module (Siemens CSM-4)	510.61	20.58
28 31 23 00-0756	EA	Remote Conventional Zone Module (Siemens CZM-1B6)	198.41	20.58
28 31 23 00-0757	EA	Short Circuit Line Isolator Module (Siemens Model LIM-1)	126.50	20.58
28 31 23 00-0758	EA	Four Circuit Conventional Zone Module (Siemens CZM-4)	497.17	20.58
28 31 23 00-0759	EA	12" x 16" x 3" Enclosure For PAD-3 (Siemens EN-PAD)	190.34	30.86
28 31 23 00-0760	EA	Lexan Window For RCC (Siemens GENBOX-WD)	127.04	16.46
28 31 23 00-0761	EA	Input Driver Module (Siemens MID-16)	329.37	20.58
28 31 23 00-0762	EA	Programmable Output Driver Module (Siemens MOD-16)	329.37	20.58
28 31 23 00-0763	EA	MXL Output/Input Module (Siemens MOI-7)	521.14	20.58
28 31 23 00-0764	EA	Two Slot Network Option Module Card Cage (Siemens MOM-2)	282.02	20.58
28 31 23 00-0765	EA	Four Slot Network Option Module Card Cage (Siemens MOM-4)	438.12	20.58
28 31 23 00-0766	EA	12 Amp, 220 Volt AC Power Supply For MXL (Siemens MPS-12/220)	1,082.85	61.72
28 31 23 00-0767	EA	12 Amp, 240 Volt AC Power Supply For MXL (Siemens MPS-12/240)	1,082.85	61.72
28 31 23 00-0768	EA	Network Interface Module (Siemens NIM-1W)	772.54	20.58
28 31 23 00-0769	EA	U.L. Listed Parallel Printer (Siemens PAL-1)	2,035.46	82.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0770	EA	Peripheral Interface Module, Model PIM-1 (Siemens 500-691324)	233.49	20.58
28 31 23 00-0771	EA	Surface Mounted Remote Command Center (Siemens RCC-1)	2,381.01	411.46
28 31 23 00-0772	EA	Enclosure And Door With Lens For RCC-1 (Siemens RCC-1DL)	288.68	41.14
28 31 23 00-0773	EA	Flush Mounted Remote Command Center (Siemens RCC-1F)	2,381.01	411.46
28 31 23 00-0774	EA	Enclosure And Door With Lens For RCC-1F (Siemens RCC-1FDL)	295.70	41.14
28 31 23 00-0775	EA	Remote Control Center With System Control Functions And Sequential Event Display (Siemens RCC-2)	1,875.29	411.46
28 31 23 00-0776	EA	MXL/MXLV Remote Annunciator/Keyboard With Enhanced Display (Siemens RCC-3)	2,710.75	411.46
28 31 23 00-0777	EA	RCC-2/RSE-1 Trim Ring (Siemens RCF-1)	46.89	10.28
28 31 23 00-0778	EA	Remote Diagnostics Module For MXL (Siemens RDM-MXL)	3,122.48	41.14
28 31 23 00-0779	EA	Remote Diagnostics Module For PC (Siemens RDM-PC)	6,628.63	41.14
28 31 23 00-0780	EA	Releasing End Of Line Module (Siemens REL-EOL)	104.87	20.58
28 31 23 00-0781	EA	36 Zone Tabular Graphic Annunciator With Restart System Key (Siemens RSA-MBSC)	1,998.20	41.14
28 31 23 00-0782	EA	36 Zone Tabular Graphic Annunciator (Siemens RSA-MBTL)	1,908.75	41.14
28 31 23 00-0783	EA	8-3/8" x 6-1/4" Remote Control Enclosure (Siemens RSE-1)	1,042.14	82.30
28 31 23 00-0784		**Complete MXL And MXLV System Packages Without Enclosure** *(28 31 23 00-0750)*		
28 31 23 00-0785	EA	MXL System Electronics Package Including One MMB-3, One Display/Control Keyboard, One MDL-1, One MKB-2, One Mps-6, One MOM-2, One ALD-2I And One PIM-1 (Siemens MXL-SS-EP) Note: MMB-3 is a MXL/MXLV main control board. MDL-1 is a clear lens. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. MOM-2 is a two slot network option module card cage. ALD-2I is a two circuit analog loop driver. PIM-1 is a peripheral interface module.	7,637.33	411.46
28 31 23 00-0786	EA	MXL Voice System Electronics Package Including One MMB-3, One MKB-2, One MPS-6, One ACM-1, One TBM-2, One MMM-1, One OMM-2, One ZAC-30, One OCC-1, One MHD-5, One VSM-1 And Four VSB-1 (Siemens MXLV-SS-EP) Note: MMB-3 is a MXL/MXLV main control board. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. ACM-1 is an audio control module. TBM-2 is a voice terminal module. MMM-1 is a master microphone module. OMM-2 is a two half width slot card cage. ZAC-30 is a MXLV zone amplifier card. OCC-1 is a MXLV output control card. MHD-5 is a deadfront panel for MSE-2 backbox. VSM-1 is an eight switch module. VSB-1 is a module blank with overlay.	9,828.60	411.46
28 31 23 00-0787	EA	MXLV Demonstration Panel (Siemens MXLV DEMO)	20,062.32	411.46
28 31 23 00-0788		**MXL Basic System** *(28 31 23 00-0750)*		
28 31 23 00-0789	EA	MXL/MXLV Main Control Board (Siemens MMB-3)	4,880.12	411.46
28 31 23 00-0790	EA	MXL System Electronics Package Including One MMB-3, One DE-2 And One DPU (Siemens MMB-DPU-ENCL) Note: MMB-3 is a MXL/MXLV main control board. DE-2 is an enclosure for document storage. DPU is a handheld device programming and testing unit.	6,189.16	411.46
28 31 23 00-0791	EA	MXL/MXLV Display/Keyboard Module With Hinged Frame (Siemens MKB-2)	1,688.33	41.14
28 31 23 00-0792	EA	MXL/MXLV Keyboard With Enhanced Display With Hinged Frame (Siemens MKB-5)	2,110.45	41.14
28 31 23 00-0793	EA	6 Amp Power Supply For MXL (Siemens MPS-6)	754.86	61.72
28 31 23 00-0794	EA	220/240 Volt AC Adapter Cable (Siemens CIA-12)	58.58	10.28
28 31 23 00-0795		**MXL/MXLR System Expansion Accessories** *(28 31 23 00-0750)*		
28 31 23 00-0796	EA	MXL Remote Power Supply Module (Siemens PSR-1)	920.32	61.72
28 31 23 00-0797	EA	Style 4 Communication Module (Siemens NET-4)	192.56	20.58
28 31 23 00-0798	EA	Style 7 Communication Module (Siemens NET-7)	342.82	20.58
28 31 23 00-0799	EA	MXL/MXL-IQ/MXLV Intelligent Control Point, B6 Chip (Siemens ICP-B6)	209.52	20.58
28 31 23 00-0800		**Peripheral Devices** *(28 31 23 00-0679)*		
28 31 23 00-0801		**Thermal Detectors** *(28 31 23 00-0800)*		
28 31 23 00-0802	EA	Rate Of Rise And 135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135R)	90.37	30.86
28 31 23 00-0803	EA	Rate Of Rise And 200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200R)	90.37	30.86
28 31 23 00-0804	EA	135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135F)	90.37	30.86
28 31 23 00-0805	EA	200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200F)	90.37	30.86
28 31 23 00-0806	EA	Weatherproof 135 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-135WP)	134.22	30.86
28 31 23 00-0807	EA	Weatherproof 200 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-200WP)	134.22	30.86
28 31 23 00-0808	EA	Explosion Proof 190 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-190EP)	311.37	30.86
28 31 23 00-0809		**Beam Smoke Detector** *(28 31 23 00-0800)*		
28 31 23 00-0810	EA	Linear Beam Smoke Detector (Siemens PBA-1191)	1,432.38	30.86
28 31 23 00-0811	EA	Base For Linear Beam Smoke Detector (Siemens PBB-1191)	165.57	10.28
28 31 23 00-0812	EA	20cm x 20cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1192)	167.33	10.28
28 31 23 00-0813	EA	10cm x 10cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1193)	87.81	10.28
28 31 23 00-0814		**Bases For Detectors** *(28 31 23 00-0800)*		
28 31 23 00-0815	EA	Detector Base (Siemens DB-11)	29.35	10.28
28 31 23 00-0816	EA	Universal Base (Siemens DB-3S)	27.60	10.28
28 31 23 00-0817		**Manual Stations** *(28 31 23 00-0800)*		
28 31 23 00-0818	EA	Weatherproof Metal Manual Pull Station With Key (Siemens MSM-K-WP)	222.03	41.14
28 31 23 00-0819		**Addressable Devices** *(28 31 23 00-0679)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0820		**Intelligent Detectors And Devices For Firefinder XLS And FS-250** *(28 31 23 00-0819)*		
28 31 23 00-0821	EA	Addressable Fireprint Fire Detector (Siemens HFP-11)	162.28	30.86
28 31 23 00-0822	EA	Addressable Thermal Fire Detector (Siemens HFPT-11)	141.82	30.86
28 31 23 00-0823	EA	Relay Base For H-Series Intelligent Detectors (Siemens DB-HR)	117.85	30.86
28 31 23 00-0824	EA	Ceiling Mounted Remote Alarm Indicator (Siemens RL-HC)	83.35	30.86
28 31 23 00-0825	EA	Wall Mounted Remote Alarm Indicator (Siemens RL-HW)	83.35	30.86
28 31 23 00-0826	EA	Addressable Single Action Manual Pull Station (Siemens HMS-S)	205.66	41.14
28 31 23 00-0827	EA	Addressable Double Action Manual Pull Station (Siemens HMS-D)	198.65	41.14
28 31 23 00-0828	EA	Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-S)	126.50	20.58
28 31 23 00-0829	EA	Dual Input Intelligent Initiating Devices Interface Module (Siemens HTRI-D)	152.81	20.58
28 31 23 00-0830	EA	Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens HTRI-R)	152.81	20.58
28 31 23 00-0831	EA	Mini Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-M)	117.73	20.58
28 31 23 00-0832	EA	Line Isolator Module (Siemens HLIM)	121.24	20.58
28 31 23 00-0833	EA	Remote Convention Zone Module (Siemens HZM)	175.02	20.58
28 31 23 00-0834	EA	Intelligent Control Point Module (Siemens HCP)	219.46	20.58
28 31 23 00-0835	EA	Handheld Programming And Testing Unit (Siemens DPU)	932.63	
28 31 23 00-0836	EA	DPU Carrying Case (Siemens DPU-C1)	145.65	
28 31 23 00-0837	EA	Label Printer And Carrying Case (Siemens DPU-PRT)	1,598.65	20.58
28 31 23 00-0838		**Air Duct Housings And Detectors** *(28 31 23 00-0819)*		
28 31 23 00-0839	EA	Air-Duct Housing (Siemens AD2-P)	177.32	16.46
28 31 23 00-0840	EA	Air-Duct Housing With Relay (Siemens AD2-XHR)	199.54	16.46
28 31 23 00-0841	EA	Weatherproof Enclosure For Duct Housing (Siemens WP-2000)	163.33	20.58
28 31 23 00-0842	EA	6" To 1' Duct Sampling Tube (Siemens ST-10)	52.83	20.58
28 31 23 00-0843	EA	>1' To 3' Duct Sampling Tube (Siemens ST-25)	54.59	20.58
28 31 23 00-0844	EA	>3' To 5' Duct Sampling Tube (Siemens ST-50)	58.09	20.58
28 31 23 00-0845	EA	>5' To 10' Duct Sampling Tube (Siemens ST-100)	60.43	20.58
28 31 23 00-0846		**Intelligent Initiating Devices For MXL, MXL-LQ And MXLV** *(28 31 23 00-0819)*		
28 31 23 00-0847	EA	Addressable Fireprint Fire Detector (Siemens FP-11)	168.71	30.86
28 31 23 00-0848	EA	Addressable Thermal Fire Detector (Siemens FPT-11)	147.08	30.86
28 31 23 00-0849	EA	Intelligent Ionization Smoke Detector (Siemens ILI-1)	185.08	30.86
28 31 23 00-0850	EA	Addressable Single Action Manual Pull Station (Siemens MSI-10B)	201.57	41.14
28 31 23 00-0851	EA	Addressable Double Action Manual Pull Station (Siemens MSI-20B)	217.35	41.14
28 31 23 00-0852	EA	Single Input Intelligent Initiating Devices Interface Module (Siemens TRI-S)	162.16	20.58
28 31 23 00-0853	EA	Dual Input Intelligent Initiating Devices Interface Module (Siemens TRI-D)	178.53	20.58
28 31 23 00-0854	EA	Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens TRI-R)	178.53	20.58
28 31 23 00-0855		**Detector Universal Bases** *(28 31 23 00-0819)*		
28 31 23 00-0856	EA	Detector Base With Relay (Siemens DB-X11RS)	76.12	10.28
28 31 23 00-0857	EA	PE-11 To DB-3 Base Adapter (Siemens DB-ADPT)	41.04	10.28
28 31 23 00-0858	EA	Locking Kit (Siemens LK-11)	8.70	
28 31 23 00-0859	EA	Detector Base With Relay (Siemens DB-X3RS)	76.12	10.28
28 31 23 00-0860	EA	Audible Base For Addressable Fireprint Fire Detector (Siemens ADBX-11)	87.81	10.28
28 31 23 00-0861	EA	Retrofit Adapter Box For Audible Bases Ionization Detector Air Duct (Siemens ADB-BOX)	39.29	10.28
28 31 23 00-0862	EA	Flush Trim Ring For Bases (Siemens RA-ADB)	19.37	6.17
28 31 23 00-0863	EA	Seal For DB-11 (Siemens DB11-SEAL)	10.11	
28 31 23 00-0864	EA	Gasket For DB-11 (Siemens DB-SEAL)	10.88	
28 31 23 00-0865	EA	Detector Guard Housing (Siemens DGH-11)	109.45	10.28
28 31 23 00-0866	EA	Small Detector Base (Siemens DB-11E)	31.69	10.28
28 31 23 00-0867	EA	Audible Base For Series 3 (Siemens ADBI-60A)	98.34	10.28
28 31 23 00-0868	EA	Base Plug (Siemens DB-11-DP)	8.67	
28 31 23 00-0869		**Air Duct Smoke Detectors** *(28 31 23 00-0819)*		
28 31 23 00-0870	EA	Intelligent Remote Duct Relay Module (Siemens DA-X3SR)	88.50	20.58
28 31 23 00-0871	EA	Weatherproof Enclosure For Duct Housing (Siemens EAD-3)	419.41	20.58
28 31 23 00-0872		**Notification Devices** *(28 31 23 00-0679)*		
28 31 23 00-0873		**Synchronization Control Devices** *(28 31 23 00-0872)*		
28 31 23 00-0874	EA	Dual Synchronization Control Module (Siemens DSC)	126.50	20.58
28 31 23 00-0875		**Stand Alone Strobes** *(28 31 23 00-0872)*		
28 31 23 00-0876	EA	Wall Mounted Multi-Candela Strobe (Siemens ZR-MC-R)	111.42	30.86
28 31 23 00-0877	EA	Wall Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-R)	120.18	30.86
28 31 23 00-0878	EA	Ceiling Mounted Multi-Candela Strobe (Siemens ZR-MC-CR)	111.42	30.86
28 31 23 00-0879	EA	Ceiling Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-CR)	120.18	30.86
28 31 23 00-0880	EA	Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CW)	120.18	30.86
28 31 23 00-0881	EA	Ceiling Mounted Multi-Candela Strobe (Siemens ST-MC-CW)	111.42	30.86
28 31 23 00-0882	EA	Retrofit Plate Multi-Candela Strobe (Siemens ST-MC-RETRO-R)	126.62	30.86
28 31 23 00-0883	EA	Weatherproof Ceiling Mounted Strobe (Siemens ST-75-CR-WP)	121.94	30.86
28 31 23 00-0884	EA	Weatherproof Wall Mounted Strobe (Siemens ST-75-R-WP)	121.94	30.86
28 31 23 00-0885	EA	Weatherproof Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CR-WP)	129.54	30.86

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0886	EA	Weatherproof Wall Mounted High Multi-Candela Strobe (Siemens ST-HMC-R-WP)	129.54	30.86
28 31 23 00-0887		**Horns And Strobes** *(28 31 23 00-0872)*		
28 31 23 00-0888	EA	Wall Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-R)	145.91	30.86
28 31 23 00-0889	EA	Wall Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-R)	153.51	30.86
28 31 23 00-0890	EA	Wall Mounted Horn (Siemens SE-R)	90.37	30.86
28 31 23 00-0891	EA	Ceiling Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-CR)	145.91	30.86
28 31 23 00-0892	EA	Ceiling Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-CR)	153.51	30.86
28 31 23 00-0893	EA	Ceiling Mounted Horn (Siemens SEC-R)	93.88	30.86
28 31 23 00-0894	EA	Wall Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-R)	145.91	30.86
28 31 23 00-0895	EA	Wall Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-R)	153.51	30.86
28 31 23 00-0896	EA	Wall Mounted Low Profile Horn (Siemens SEF-R)	90.37	30.86
28 31 23 00-0897	EA	Ceiling Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-CW)	145.91	30.86
28 31 23 00-0898	EA	Ceiling Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-CW)	153.51	30.86
28 31 23 00-0899	EA	Ceiling Mounted Low Profile Horn (Siemens SEF-CR)	93.88	30.86
28 31 23 00-0900	EA	Mini Horn (Siemens MH-R)	77.51	30.86
28 31 23 00-0901	EA	Indoor/Outdoor Multi Tone Horn (Siemens MTH-R)	95.05	30.86
28 31 23 00-0902	EA	Indoor/Outdoor Multi Tone, Multi-Candela Horn/Strobe (Siemens MTH-MC-R)	138.31	30.86
28 31 23 00-0903	EA	Industrial Tri-Tone Horn (Siemens ASR)	368.66	30.86
28 31 23 00-0904	EA	Wall Mounted Horn (Siemens HS-R)	95.05	30.86
28 31 23 00-0905	EA	Wall Mounted Multi-Candela Horn/Strobe (Siemens HS-MC-R)	138.89	30.86
28 31 23 00-0906	EA	Wall Mounted High Multi-Candela Horn/Strobe (Siemens HS-HMC-R)	148.25	30.86
28 31 23 00-0907	EA	6" Motor Bell (Siemens MBDC-6)	106.74	30.86
28 31 23 00-0908	EA	10" Motor Bell (Siemens MBDC-10)	115.51	30.86
28 31 23 00-0909		**Mounting Accessories** *(28 31 23 00-0872)*		
28 31 23 00-0910	EA	Concealed Conduit Adapter Plate (Siemens APS-R)	27.60	10.28
28 31 23 00-0911	EA	4" x 1-1/2" Surface Mounted Back Box (Siemens BBS-R)	27.60	10.28
28 31 23 00-0912	EA	4" x 2-1/8" Surface Mounted Back Box (Siemens DBBS-R)	28.18	10.28
28 31 23 00-0913	EA	Red Weatherproof Surface Mount Backbox (Siemens MT-SUR-BOX)	42.21	10.28
28 31 23 00-0914	EA	White Weatherproof Surface Mount Backbox (Siemens MT-SUR-BOX-W)	34.61	10.28
28 31 23 00-0915	EA	Surface Mounted Speaker Backbox (Siemens SBBS-R)	36.37	10.28
28 31 23 00-0916	EA	Surface Mounted Speaker Backbox (Siemens SBL2S-R)	38.70	10.28
28 31 23 00-0917	EA	Square Semi-Flush Extension Ring (Siemens SERS-R)	31.69	10.28
28 31 23 00-0918	EA	Semi-Flush Plate (Siemens SFPS-R)	27.01	10.28
28 31 23 00-0919	EA	Square Surface Backbox (Siemens SHBBS-R)	31.69	10.28
28 31 23 00-0920	EA	Horn Adapter Plate (Siemens SHMPS-R)	30.52	10.28
28 31 23 00-0921	EA	Ceiling Speaker Extension Ring (Siemens SPEXT-R)	27.60	10.28
28 31 23 00-0922	EA	Wall Mounted Surface Mounted Speaker Backbox (Siemens SPSB-R)	34.61	10.28
28 31 23 00-0923	EA	Wall Mounted Surface Mounted Speaker/Strobe Backbox (Siemens SPSSB-R)	36.37	10.28
28 31 23 00-0924	EA	Weatherproof Speaker Backbox (Siemens WBBS-R)	35.20	10.28
28 31 23 00-0925	EA	Weatherproof Speaker Backbox With 3/4" Knockout (Siemens WBBS-R-3/4T-3/4B)	38.70	10.28
28 31 23 00-0926	EA	Weatherproof Flush Plate (Siemens WFPAS-R)	38.70	10.28
28 31 23 00-0927	EA	Weatherproof Horn Flush Plate (Siemens WFPS-R)	38.70	10.28
28 31 23 00-0928	EA	Weatherproof Horn Backbox (Siemens WPBBS-R)	36.37	10.28
28 31 23 00-0929	EA	Weatherproof Strobe Backbox (Siemens WPSBBS-R)	36.37	10.28
28 31 23 00-0930	EA	Surface Mounted Weatherproof Backbox Kit (Siemens WPS-KIT)	27.60	10.28
28 31 23 00-0931	EA	Z Series Backbox (Siemens ZBB-R)	30.52	10.28
28 31 23 00-0932		**Door Holders** *(28 31 23 00-0872)*		
28 31 23 00-0933	EA	120 Volt AC Concealed Wiring Fire Door Holder (Siemens SDH-2A)	212.56	30.86
28 31 23 00-0934	EA	24 Volt DC Concealed Wiring Fire Door Holder (Siemens SDH-2D)	212.56	30.86
28 31 23 00-0935		**Voice Equipment** *(28 31 23 00-0679)*		
28 31 23 00-0936		**Voicecom** *(28 31 23 00-0935)*		
28 31 23 00-0937	EA	Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone And Enclosure With Deadfront And Space For Five Modules (Siemens VOICECOM)	3,228.75	411.46
28 31 23 00-0938	EA	Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, Two 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone, Enclosure With Deadfront And Space For 11 Modules, Auxiliary Power Supply, Four PS-AUX Strobe Zone Cables And One AM-25-50 Speaker Zone Cables (Siemens VOICECOM-L)	5,011.94	411.46
28 31 23 00-0939		**Notifier Fire Alarm** *(28 31 23)*		
28 31 23 00-0940		**Fire Alarm Control Panel And Accessories** *(28 31 23 00-0939)*		
28 31 23 00-0941	EA	NFS2-3030 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-3030D)	3,792.67	411.46
28 31 23 00-0942	EA	NFS2-640 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-640)	3,183.14	411.46
28 31 23 00-0943	EA	NFS-320 Intelligent Fire Alarm Control Panel (Notifier NFS-320)	3,798.57	411.46
28 31 23 00-0944	EA	Loop Control Module (Notifier LCM-320)	1,284.53	41.14
28 31 23 00-0945	EA	Loop Expander Module (Notifier LEM-320)	1,112.78	41.14
28 31 23 00-0946	EA	Keyboard Display Module For CPU2-640 (Notifier KDM-R2)	997.44	41.14
28 31 23 00-0947		**ONYX CAB-4 Series Cabinets** *(28 31 23 00-0939)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0948	EA	Low Profile 1st Row Chassis Assembly For CPU-640 / CPU-640E (Notifier CHS-M2)	137.12	20.58
28 31 23 00-0949	EA	One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4)	244.88	20.58
28 31 23 00-0950	EA	One Tier, "A" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-A4B)	160.69	20.58
28 31 23 00-0951	EA	Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4)	310.92	30.86
28 31 23 00-0952	EA	Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4B)	198.95	30.86
28 31 23 00-0953	EA	Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4)	462.84	41.14
28 31 23 00-0954	EA	Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4B)	291.09	41.14
28 31 23 00-0955	EA	Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4)	560.85	51.44
28 31 23 00-0956	EA	Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4B)	340.27	51.44
28 31 23 00-0957	EA	One Tier Backbox Assembly (Notifier SBB-A4)	257.30	61.72
28 31 23 00-0958	EA	Two Tier Backbox Assembly (Notifier SBB-B4)	363.27	82.30
28 31 23 00-0959	EA	Three Tier Backbox Assembly (Notifier SBB-C4)	476.08	82.30
28 31 23 00-0960	EA	Four Tier Backbox Assembly (Notifier SBB-D4)	581.22	102.86
28 31 23 00-0961		**NFS2-3030/640 Cabinet Mechanicals** *(28 31 23 00-0939)*		
28 31 23 00-0962	EA	Standard 1st Row Chassis Assembly For CPU-3030 (Notifier CHS-M3)	180.43	30.86
28 31 23 00-0963	EA	Battery Dress Plate For NFS2-3030 (Notifier BP2-4)	78.57	12.35
28 31 23 00-0964	EA	Blank Module Dress Plate (Notifier BM-1B)	69.31	12.35
28 31 23 00-0965	EA	Dress Plate For Middle Rows With CPU2-640 (Notifier ADP2-640)	83.62	12.35
28 31 23 00-0966	EA	Dress Plate For Top Row With CPU2-640 (Notifier DP-DISP2)	83.62	12.35
28 31 23 00-0967		**NFS-3030/640 Cabinet Mechanicals** *(28 31 23 00-0939)*		
28 31 23 00-0968	EA	Annunciator Dress Plate (Notifier ADP-4B)	76.89	12.35
28 31 23 00-0969	EA	Blank Module Dress Plate (Notifier BMP-1)	50.79	12.35
28 31 23 00-0970	EA	Low Profile Four Position Chassis For AA-30 Or LDM (Notifier CHS-4L)	113.54	20.58
28 31 23 00-0971	EA	Module Dress Plate (Notifier MP-1B)	78.57	12.35
28 31 23 00-0972		**Battery Cabinets** *(28 31 23 00-0939)*		
28 31 23 00-0973	EA	Chassis, Mounts Up To 6 Modules (Notifier CHS-6)	79.87	20.58
28 31 23 00-0974	EA	24" x 14" x 7-3/4" Battery Backbox (Notifier NFS-LBB)	367.59	61.72
28 31 23 00-0975		**Digital Voice** *(28 31 23 00-0939)*		
28 31 23 00-0976	EA	Analog Output Board For Digital Voice Command (Notifier DVC-AO)	222.15	20.58
28 31 23 00-0977	EA	Extended Memory For Digital Voice Command (Notifier DVC-EM)	1,261.89	20.58
28 31 23 00-0978	EA	Keypad For Digital Voice Command (Notifier DVC-KD)	372.75	41.14
28 31 23 00-0979	EA	50 Watt, 25 Vrms Digital Audio Amplifier (Notifier DAA-5025)	967.23	20.58
28 31 23 00-0980	EA	Multi-Mode Fiber-Optic Media 50 Watt, 25 Vrms Digital Audio Amplifier (Notifier DAA-5025F)	967.23	20.58
28 31 23 00-0981	EA	Single-Mode Fiber-Optic Media 50 Watt, 25 Vrms Digital Audio Amplifier (Notifier DAA-5025SF)	967.23	20.58
28 31 23 00-0982	EA	50 Watt, 70 Vrms Digital Audio Amplifier (Notifier DAA-5070)	1,051.42	20.58
28 31 23 00-0983	EA	Multi-Mode Fiber-Optic Media 50 Watt, 70 Vrms Digital Audio Amplifier (Notifier DAA-5070F)	1,051.42	20.58
28 31 23 00-0984	EA	75 Watt, 25 Vrms Digital Audio Amplifier (Notifier DAA-7525)	1,261.89	20.58
28 31 23 00-0985	EA	Multi-Mode Fiber-Optic Media 75 Watt, 25 Vrms Digital Audio Amplifier (Notifier DAA-7525F)	1,261.89	20.58
28 31 23 00-0986	EA	Single-Mode Fiber-Optic Media 75 Watt, 25 Vrms Digital Audio Amplifier (Notifier DAA-7525SF)	1,261.89	20.58
28 31 23 00-0987	EA	One Tier Chassis For Digital Voice Command Panel (Notifier CA-1)	101.76	20.58
28 31 23 00-0988	EA	Two Tier Chassis For Digital Voice Command Panel, With MIC-1 (Notifier CA-2)	309.24	30.86
28 31 23 00-0989	EA	Dress Panel For One Tier Chassis For Digital Voice Command Panel (Notifier DPA-1)	77.73	12.35
28 31 23 00-0990	EA	Dress Panel For One Tier Chassis For Digital Voice Command Panel, Supports Keypad (Notifier DPA-1A4)	89.52	12.35
28 31 23 00-0991	EA	Dress Panel For Two Tier Chassis For Digital Voice Command Panel (Notifier DPA-2B)	152.66	12.35
28 31 23 00-0992	EA	Paging Microphone Only (Notifier MIC-1)	151.43	20.58
28 31 23 00-0993		**Digital Voice Cabinet Doors** *(28 31 23 00-0939)*		
28 31 23 00-0994	EA	Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4)	352.17	30.86
28 31 23 00-0995	EA	Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4)	477.99	41.14
28 31 23 00-0996	EA	Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4)	595.37	51.44
28 31 23 00-0997		**RM-1 Remote Microphone** *(28 31 23 00-0939)*		
28 31 23 00-0998	EA	Remote Microphone Assembly For Mounting On An ADP-4 Dress Plate (Notifier RM-1)	363.59	20.58
28 31 23 00-0999	EA	Remote Microphone Assembly For Mounting In A Stand Alone Cabinet (Notifier RM-1SA)	363.59	20.58
28 31 23 00-1000		**Amplifiers** *(28 31 23 00-0939)*		
28 31 23 00-1001	EA	30 Watt Audio Amplifier At 25 Vrms, 120 Volt AC (Notifier AA-30)	563.96	20.58
28 31 23 00-1002	EA	100 Watt Audio Amplifier At 70.7 Vrms, 120 Volt AC (Notifier AA-100)	1,246.74	20.58
28 31 23 00-1003	EA	120 Watt Audio Amplifier At 25 Vrms, 120 Volt AC (Notifier AA-120)	1,213.06	20.58
28 31 23 00-1004	EA	Audio Coupling Transformer (Notifier ACT-1)	95.02	20.58
28 31 23 00-1005	EA	Audio Coupling Transformer, Used With Analog Amplifiers (Notifier ACT-2)	110.18	20.58
28 31 23 00-1006	EA	Audio Coupling Transformer, Used With DVC-AO (Notifier ACT-4)	110.18	20.58
28 31 23 00-1007	EA	Audio Coupling Transformer, Used With DAA-5025 (Notifier ACT-25)	110.18	20.58
28 31 23 00-1008	EA	Audio Coupling Transformer, Used With DAA-5070 (Notifier ACT-70)	110.18	20.58
28 31 23 00-1009		**FireVoice-25/50 Emergency Voice Evacuation Control Panel** *(28 31 23 00-0939)*		
28 31 23 00-1010	EA	25 Watt, 25 Vrms Voice Evacuation Control Panel (Notifier NFV-25/50)	2,763.49	411.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-1011	EA	Zoned System 25 Watt, 25 Vrms Voice Evacuation Control Panel (Notifier NFV-25/50ZS)	3,264.42	411.46
28 31 23 00-1012	EA	Zoned System With Telephone 25 Watt, 25 Vrms Voice Evacuation Control Panel (Notifier NFV-25/50ZST)	3,592.76	411.46
28 31 23 00-1013	EA	Single Channel 25 Watt, 25 Vrms Voice Evacuation Control Panel (Notifier NFV-25/50DA)	2,001.57	411.46
28 31 23 00-1014	EA	Single Channel 25 Watt, 25 Vrms Voice Evacuation Control Panel Used With NFV-25/50ZS (Notifier NFV-25/50DAZS)	2,548.81	411.46
28 31 23 00-1015		System Printer *(28 31 23 00-0939)*		
28 31 23 00-1016	EA	80 Column Desktop Printer, 120 Volt AC (Notifier PRN-6)	1,499.30	20.58
28 31 23 00-1017		Batteries *(28 31 23 00-0939)*		
28 31 23 00-1018	EA	7 Amp Hours Sealed Battery, 12 Volt (Notifier BAT-1270)	91.65	20.58
28 31 23 00-1019	EA	12 Amp Hours Sealed Battery, 12 Volt (Notifier BAT-12120)	143.85	20.58
28 31 23 00-1020	EA	18 Amp Hours Sealed Battery, 12 Volt (Notifier BAT-12180)	152.27	20.58
28 31 23 00-1021	EA	26 Amp Hours Sealed Battery, 12 Volt (Notifier BAT-12260)	205.31	20.58
28 31 23 00-1022	EA	55 Amp Hours Sealed Battery, 12 Volt (Notifier BAT-12550)	342.54	20.58
28 31 23 00-1023	EA	100 Amp Hours Sealed Battery, 12 Volt (Notifier BAT-121000)	588.37	20.58
28 31 23 00-1024		Battery Backboxes And Miscellaneous Mechanicals *(28 31 23 00-0939)*		
28 31 23 00-1025	EA	Battery Backbox, Mounts Up To Two 26 Amp Hours And Charger (Notifier BB-26)	295.07	82.30
28 31 23 00-1026		System Power Supplies And Chargers *(28 31 23 00-0939)*		
28 31 23 00-1027	EA	Addressable Power Supply, 120 Volt AC For NFS-3030, NFS2-3030 And NCA-2 (Notifier AMPS-24)	1,071.62	20.58
28 31 23 00-1028	EA	6A Auxiliary Power Supply (Notifier APS-6R)	523.55	20.58
28 31 23 00-1029	EA	25 To 120 Amp Hours Battery Charger (Notifier CHG-120)	825.79	20.58
28 31 23 00-1030	EA	80 Amps, 120 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8)	537.86	20.58
28 31 23 00-1031	EA	Main Power Supply And Charger, Up To 3 Amps (Notifier MPS-24A)	756.75	20.58
28 31 23 00-1032		Network Control Annunciators *(28 31 23 00-0939)*		
28 31 23 00-1033	EA	Network Control Annunciator Used With NFS2-3030, NFS-3030, NFS-320, NFS-640 And NFS2-640 (Notifier NCA-2)	1,459.53	61.72
28 31 23 00-1034	EA	Retro-Fit Plate For Mounting NCA2 (Notifier NCA-2RETRO)	54.16	12.35
28 31 23 00-1035	EA	Kit For Mounting NCA-2 To CHS-M2 (Notifier NCA/640-2-Kit)	41.53	12.35
28 31 23 00-1036		FIRSTVISION Firefighter's Display *(28 31 23 00-0939)*		
28 31 23 00-1037	EA	Replacement FIRSTVISION Touchscreen Assembly (Notifier FIRSTVISION-LCD)	10,485.75	411.46
28 31 23 00-1038		FlashScan Addressable Devices *(28 31 23 00-0939)*		
28 31 23 00-1039	EA	Intelligent Non-Relay Duct Smoke Detector Housing (Notifier DNR)	137.31	16.46
28 31 23 00-1040	EA	Watertight Intelligent Non-Relay Duct Smoke Detector Housing (Notifier DNRW)	230.57	20.58
28 31 23 00-1041	EA	Low Profile Intelligent Addressable Ionization Smoke Detector (Notifier FSI-851)	145.07	30.86
28 31 23 00-1042	EA	Intelligent Addressable Laser Smoke Detector (Notifier FSL-751)	273.04	30.86
28 31 23 00-1043	EA	Intelligent Addressable Laser Duct Smoke Detector (Notifier FSL-751D)	735.24	30.86
28 31 23 00-1044	EA	Low Profile Intelligent Addressable Photoelectric Smoke Detector (Notifier FSP-851)	148.44	30.86
28 31 23 00-1045	EA	Intelligent Addressable Thermal Detector (Notifier FST-851)	123.18	30.86
28 31 23 00-1046	EA	Intelligent Addressable High Temperature Thermal Detector (Notifier FST-851H)	123.18	30.86
28 31 23 00-1047	EA	Intelligent Addressable Rate-Of-Rise Thermal Detector (Notifier FST-851R)	123.18	30.86
28 31 23 00-1048	EA	Intelligent Addressable Control Module (Notifier FCM-1)	132.91	20.58
28 31 23 00-1049	EA	Intelligent Addressable Dual Monitor Module (Notifier FDM-1)	148.06	20.58
28 31 23 00-1050	EA	Intelligent Addressable Monitor Module (Notifier FMM-1)	111.02	20.58
28 31 23 00-1051	EA	Intelligent Addressable Miniature Monitor Module (Notifier FMM-101)	99.23	20.58
28 31 23 00-1052	EA	Intelligent Addressable 4-20mA Analog Input Module (Notifier FMM-4-20)	201.10	20.58
28 31 23 00-1053	EA	Intelligent Addressable Relay Module (Notifier FRM-1)	127.86	20.58
28 31 23 00-1054	EA	Intelligent Addressable 2-Wire Detector Monitor Module (Notifier FZM-1)	166.58	20.58
28 31 23 00-1055	EA	Addressable Manual Dual Action Pull Station (Notifier NBG-12LX)	183.33	41.14
28 31 23 00-1056	EA	SLC Loop Powered Fault Isolator Module (Notifier ISO-X)	109.33	20.58
28 31 23 00-1057		Addressable Device Bases And Accessories *(28 31 23 00-0939)*		
28 31 23 00-1058	EA	Intelligent Detector Base With Flange (Notifier B710LP)	36.58	10.28
28 31 23 00-1059	EA	Weatherproof Device Housing (Notifier DH400OE-1)	224.67	20.58
28 31 23 00-1060		XP6/XP10 Transponder *(28 31 23 00-0939)*		
28 31 23 00-1061	EA	Synchronization Daughter Module Used With XP6-C (Notifier SYNC-1)	95.02	20.58
28 31 23 00-1062	EA	Ten Input Monitor Module (Notifier XP10-M)	544.59	20.58
28 31 23 00-1063	EA	Six Circuit Supervised Control Module (Notifier XP6-C)	470.51	20.58
28 31 23 00-1064	EA	Six Zone Intelligent To Conventional Interface Module (Notifier XP6-MA)	569.85	20.58
28 31 23 00-1065	EA	Six Relay Control Module (Notifier XP6-R)	455.35	20.58
28 31 23 00-1066		LCD Display Annunciators *(28 31 23 00-0939)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-1067	EA	80 Character LCD Fire Annunciator Used With FireWarden-100-2, NFS-640, NFS2-640 And NFS-320 (Notifier FDU-80)	615.95	61.72
28 31 23 00-1068	EA	640 Character LCD Annunciator Used With NFS-3030 And NFS2-3030 (Notifier LCD-160)	896.30	61.72
28 31 23 00-1069	EA	80 Character LCD Annunciator Used With NFS-640, NFS-3030, NFS2-640, NFS2-3030 And NFS-320 (Notifier LCD-80)	872.73	61.72
28 31 23 00-1070		**ONYX ACM And AEM Series LED Annunciators** *(28 31 23 00-0939)*		
28 31 23 00-1071	EA	16 Alarm And 16 Trouble LED Annunciator Control Module (Notifier ACM-16AT)	627.10	20.58
28 31 23 00-1072	EA	16 Alarm And 16 Trouble LED Annunciator Expander Module (Notifier AEM-16AT)	481.45	20.58
28 31 23 00-1073	EA	24 Alarm And 24 Trouble LED Annunciator Control Module (Notifier ACM-24AT)	627.10	20.58
28 31 23 00-1074	EA	24 Alarm And 24 Trouble LED Annunciator Expander Module (Notifier AEM-24AT)	481.45	20.58
28 31 23 00-1075	EA	32 Alarm And 1 Trouble LED Annunciator Control Module (Notifier ACM-32A)	481.45	20.58
28 31 23 00-1076	EA	32 Alarm And 1 Trouble LED Annunciator Expander Module (Notifier AEM-32A)	432.62	20.58
28 31 23 00-1077	EA	48 Alarm And 1 Trouble LED Annunciator Control Module (Notifier ACM-48A)	481.45	20.58
28 31 23 00-1078	EA	48 Alarm And 1 Trouble LED Annunciator Expander Module (Notifier AEM-48A)	432.62	20.58
28 31 23 00-1079		**Graphic Annunciator - Lamp Driver Modules** *(28 31 23 00-0939)*		
28 31 23 00-1080	EA	32 Alarm Lamp Driver Annunciator Control Module (Notifier LDM-32)	432.62	20.58
28 31 23 00-1081	EA	32 Alarm Lamp Driver Annunciator Expander Module (Notifier LDM-E32)	353.48	20.58
28 31 23 00-1082	EA	Single Annunciator Flush Mounted Backbox (Notifier ABF-1B)	198.48	41.14
28 31 23 00-1083	EA	Single Annunciator Flush Mounted Backbox With Glass Door And Key Lock (Notifier ABF-1DB)	215.32	41.14
28 31 23 00-1084	EA	Two Annunciator Flush Mounted Backbox (Notifier ABF-2B)	249.35	51.44
28 31 23 00-1085	EA	Two Annunciator Flush Mounted Backbox With Glass Door And Key Lock (Notifier ABF-2DB)	271.24	51.44
28 31 23 00-1086	EA	Four Annunciator Flush Mounted Backbox (Notifier ABF-4B)	433.62	72.00
28 31 23 00-1087	EA	Annunciator Blank Plate Used With ACM-32A/ACM-16AT (Notifier ABM-1)	76.89	12.35
28 31 23 00-1088	EA	Single Annunciator Surface Mounted Backbox (Notifier ABS-1B)	131.13	41.14
28 31 23 00-1089	EA	Two Annunciator Surface Mounted Backbox (Notifier ABS-2B)	161.44	41.14
28 31 23 00-1090	EA	12" x 12" x 3-3/4" Surface Or Semi-Flush Mount Backbox (Notifier ABS-2D)	283.03	51.44
28 31 23 00-1091	EA	Chassis Used To Mount NCA-2 In ABS-2D (Notifier CHS-2D)	74.82	20.58
28 31 23 00-1092	EA	12" x 20" x 3-1/2" Surface Or Semi-Flush Backbox (Notifier ABS-4D)	457.20	72.00
28 31 23 00-1093		**Network Gateways** *(28 31 23 00-0939)*		
28 31 23 00-1094	EA	Embedded NFN Gateway (Notifier NFN-GW-EM)	1,724.93	20.58
28 31 23 00-1095	EA	NFN Gateway PC Card With Fiber (Notifier NFN-GW-PC-F)	1,724.93	20.58
28 31 23 00-1096	EA	NFN Gateway PC Card With Wire (Notifier NFN-GW-PC-W)	1,724.93	20.58
28 31 23 00-1097		**NOTI-FIRE-NET Network Components** *(28 31 23 00-0939)*		
28 31 23 00-1098	EA	Interface Between NotiFireNet 50 And BACnet (Notifier BACNET GATEWAY)	1,724.93	20.58
28 31 23 00-1099	EA	Fiber Optic Network Communications Module (Notifier NCM-F)	805.58	20.58
28 31 23 00-1100	EA	Wired Network Communications Module (Notifier NCM-W)	767.70	20.58
28 31 23 00-1101	EA	Fiber Optic Converter Module Mounting Kit (Notifier SMF-Kit)	72.78	10.28
28 31 23 00-1102	EA	NOTI-FIRE-NET Web Server (Notifier NWS)	1,758.61	20.58
28 31 23 00-1103		**FireWarden Addressable Fire Panels** *(28 31 23 00-0939)*		
28 31 23 00-1104	EA	198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100)	1,875.29	411.46
28 31 23 00-1105	EA	50 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW-50)	1,601.67	411.46
28 31 23 00-1106		**FireWarden Accessories** *(28 31 23 00-0939)*		
28 31 23 00-1107	EA	80 Character LCD Fire Annunciator (Notifier N-ANN-80)	395.37	61.72
28 31 23 00-1108	EA	10 Input LED Annunciator Module (Notifier N-ANN-LED)	335.80	20.58
28 31 23 00-1109	EA	Relay Module With 10 Programmable Form C Relays (Notifier N-ANN-RLY)	251.61	20.58
28 31 23 00-1110		**FireWarden Devices** *(28 31 23 00-0939)*		
28 31 23 00-1111	EA	Intelligent Addressable Ionization Smoke Detector With Base (Notifier NI-100)	134.96	30.86
28 31 23 00-1112	EA	Intelligent Addressable Photoelectric Smoke Detector With Base (Notifier NP-100)	133.28	30.86
28 31 23 00-1113	EA	Intelligent Addressable Thermal Detector With Base (Notifier NH-100)	127.39	30.86
28 31 23 00-1114	EA	Intelligent Addressable High Temperature Thermal Detector With Base (Notifier NH-100H)	127.39	30.86
28 31 23 00-1115	EA	Intelligent Addressable Rate-Of-Rise Thermal Detector With Base (Notifier NH-100R)	127.39	30.86
28 31 23 00-1116	EA	Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector (Notifier ND-100)	254.51	30.86
28 31 23 00-1117	EA	Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector With DPDT Relay (Notifier ND-100R)	305.03	30.86
28 31 23 00-1118	EA	Intelligent Addressable Monitor Module (Notifier NMM-100)	106.81	20.58
28 31 23 00-1119	EA	Intelligent Addressable Mini Monitor Module (Notifier NMM-100P)	97.13	20.58
28 31 23 00-1120	EA	Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100)	161.53	20.58
28 31 23 00-1121	EA	Six Zone Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100-6)	569.85	20.58
28 31 23 00-1122	EA	Two Zone Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NDM-100)	123.65	20.58
28 31 23 00-1123	EA	SLC Loop Powered Fault Isolator Module (Notifier N100-ISO)	108.49	20.58
28 31 23 00-1124	EA	Intelligent Addressable Control Module (Notifier NC-100)	128.70	20.58
28 31 23 00-1125	EA	Intelligent Addressable Relay Module (Notifier NC-100R)	123.65	20.58
28 31 23 00-1126	EA	Intelligent Addressable Manual Pull Station (Notifier NOT-BG12LX)	182.49	41.14
28 31 23 00-1127		**SFP-2402 And SFP-2404 2 And 4-Zone Control Panels** *(28 31 23 00-0939)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-1128	EA	Two Zone Conventional Fire Alarm Control Panel (Notifier SFP-2402)	1,040.55	329.17
28 31 23 00-1129	EA	Four Zone Conventional Fire Alarm Control Panel (Notifier SFP-2404)	1,141.58	329.17
28 31 23 00-1130		**SFP-2402/2404, RP Series And SFP-400/SFP-400B Option Modules** *(28 31 23 00-0939)*		
28 31 23 00-1131	EA	Annunciator Interface Module (Notifier 4XLM)	120.28	20.58
28 31 23 00-1132	EA	Transmitter Module (Notifier 4XTM)	120.28	20.58
28 31 23 00-1133	EA	Four Zone Relay Module (Notifier 4XZM)	137.96	20.58
28 31 23 00-1134	EA	100 VA, 120 Volt AC Power Expansion Transformer (Notifier XRM-24)	114.38	20.58
28 31 23 00-1135	EA	100 VA, 240 Volt AC Power Expansion Transformer (Notifier XRM-24E)	114.38	20.58
28 31 23 00-1136		**SFP-5UD 5 Zone Control Panels** *(28 31 23 00-0939)*		
28 31 23 00-1137	EA	Five Zone Conventional Fire Alarm Control Panel (Notifier SFP-5UD)	1,599.15	411.46
28 31 23 00-1138		**SFP-10UD 10 Zone Control Panels And Accessories** *(28 31 23 00-0939)*		
28 31 23 00-1139	EA	10 Zone Conventional Fire Alarm Control Panel (Notifier SFP-10UD)	1,839.09	411.46
28 31 23 00-1140	EA	Four Channel Stand Alone Fire Alarm Communicator (Notifier 411UDAC)	473.67	61.72
28 31 23 00-1141		**Notifier Plug-in Smoke Detectors** *(28 31 23 00-0939)*		
28 31 23 00-1142	EA	Conventional Carbon Monoxide Detector (Notifier CO1224)	195.96	41.14
28 31 23 00-1143		**i3 Photoelectric Smoke Detectors** *(28 31 23 00-0939)*		
28 31 23 00-1144	EA	Two Wire, i3 Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (Notifier 2WTA-B)	118.13	30.86
28 31 23 00-1145	EA	Four Wire, i3 Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (Notifier 4WTA-B)	118.97	30.86
28 31 23 00-1146	EA	Two Wire, i3 Photoelectric Smoke Detector (Notifier 2W-B)	114.76	30.86
28 31 23 00-1147	EA	Four Wire, i3 Photoelectric Smoke Detector (Notifier 4W-B)	116.44	30.86
28 31 23 00-1148		**System Sensor Duct Smoke Detectors** *(28 31 23 00-0939)*		
28 31 23 00-1149	EA	Four Wire Low Profile Photoelectric Duct Smoke Detector (Notifier DH100ACDCLP)	212.89	20.58
28 31 23 00-1150	EA	Weatherproof Four Wire Low Profile Photoelectric Duct Smoke Detector (Notifier DH100ACDCLWP)	281.08	20.58
28 31 23 00-1151	EA	4' To 8' Duct Width Sampling Tube (Notifier ST-5)	55.03	20.58
28 31 23 00-1152		**System Detector Accessories** *(28 31 23 00-0939)*		
28 31 23 00-1153	EA	Key Activated Remote Test Station For Duct Smoke Detector (Notifier RTS451Key)	113.54	20.58
28 31 23 00-1154		**NBG-12 Series Pull Stations** *(28 31 23 00-0939)*		
28 31 23 00-1155	EA	Key Lock Dual Action Fire Alarm Pull Stations (Notifier NBG-12L)	114.29	41.14
28 31 23 00-1156	EA	Outdoor Key Lock Dual Action Fire Alarm Pull Stations (Notifier NBG-12LOB)	199.32	41.14
28 31 23 00-1157	EA	Metal Surface Mount Backbox For Pullbox (Notifier SB-10)	45.54	16.46
28 31 23 00-1158	EA	Plastic Surface Mount Backbox For Pullbox (Notifier SB-I/O)	46.38	16.46
28 31 23 00-1159		**Heat Detectors** *(28 31 23 00-0939)*		
28 31 23 00-1160	EA	Single Circuit 135 Degree F Fixed And Rate-Of-Rise Heat Detector (Notifier 5601P)	76.03	30.86
28 31 23 00-1161	EA	Single Circuit 194 Degree F Fixed And Rate-Of-Rise Heat Detector (Notifier 5602)	76.03	30.86
28 31 23 00-1162	EA	Dual Circuit 135 Degree F Fixed And Rate-Of-Rise Heat Detector (Notifier 5621)	91.19	30.86
28 31 23 00-1163	EA	Dual Circuit 194 Degree F Fixed And Rate-Of-Rise Heat Detector (Notifier 5622)	91.19	30.86
28 31 23 00-1164		**Rate Compensation Heat Detectors** *(28 31 23 00-0939)*		
28 31 23 00-1165	EA	135 Degree F Explosion Proof Rate Compensation Heat Detectors (Notifier 302-EPM-135)	130.76	30.86
28 31 23 00-1166	EA	194 Degree F Explosion Proof Rate Compensation Heat Detectors (Notifier 302-EPM-194)	130.76	30.86
28 31 23 00-1167		**Stopper Pull Station Covers** *(28 31 23 00-0939)*		
28 31 23 00-1168	EA	Pull Station Polycarbonate Cover, Semi Flush (STI-1200)	103.44	20.58
28 31 23 00-1169	EA	Pull Station Polycarbonate Cover With Spacer (STI-1230)	121.96	20.58
28 31 23 00-1170	EA	Horn Strobe Polycarbonate Cover With Spacer (STI-1210D)	95.86	20.58
28 31 23 00-1171	EA	Horn Strobe Polycarbonate Cover, Semi Flush (STI-1210E)	86.60	20.58
28 31 23 00-1172	EA	Strobe Damage Stopper And Open Backbox With Conduit Knockout (STI-1221D)	95.86	20.58
28 31 23 00-1173	EA	Strobe Damage Stopper And Open Backbox, Semi Flush (STI-1221E)	86.60	20.58
28 31 23 00-1174		**SpectrAlert Advance Horns** *(28 31 23 00-0939)*		
28 31 23 00-1175	EA	Interior Wall Mounted Horn (Notifier HR)	96.24	30.86
28 31 23 00-1176	EA	Outdoor Wall Mounted Horn (Notifier HRK)	112.23	30.86
28 31 23 00-1177		**SpectrAlert Advance Four Wire Wall Mounted Horn/Strobes** *(28 31 23 00-0939)*		
28 31 23 00-1178	EA	Interior Four Wire Wall Mounted Multi-Candela Horn/Strobe (Notifier P4R)	134.96	30.86
28 31 23 00-1179	EA	Outdoor Four Wire Wall Mounted Multi-Candela Horn/Strobe (Notifier P4RK)	149.28	30.86

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-1180	EA	Interior Four Wire Wall Mounted High-Candela Horn/Strobe (Notifier P4RH)	139.17	30.86
28 31 23 00-1181	EA	Outdoor Four Wire Wall Mounted High-Candela Horn/Strobe (Notifier P4RHK)	156.01	30.86
28 31 23 00-1182		**SpectrAlert Advance Four Wire Ceiling Mounted Horn/Strobes** *(28 31 23 00-0939)*		
28 31 23 00-1183	EA	Interior Multi-Candela Four Wire Ceiling Mounted Horn/Strobe (Notifier PC4R)	134.96	30.86
28 31 23 00-1184	EA	Outdoor Multi-Candela Four Wire Ceiling Mounted Horn/Strobe (Notifier PC4RK)	149.28	30.86
28 31 23 00-1185	EA	Interior High-Candela Four Wire Ceiling Mounted Horn/Strobe (Notifier PC4RH)	139.17	30.86
28 31 23 00-1186	EA	Outdoor High-Candela Four Wire Ceiling Mounted Horn/Strobe (Notifier PC4RHK)	153.49	30.86
28 31 23 00-1187		**SpectrAlert Advance Wall Mounted Strobes** *(28 31 23 00-0939)*		
28 31 23 00-1188	EA	Interior Multi-Candela Wall Mounted Strobe (Notifier SR)	112.23	30.86
28 31 23 00-1189	EA	Outdoor Multi-Candela Wall Mounted Strobe (Notifier SRK)	135.81	30.86
28 31 23 00-1190	EA	Interior High-Candela Wall Mounted Strobe (Notifier SRH)	124.02	30.86
28 31 23 00-1191	EA	Outdoor High-Candela Wall Mounted Strobe (Notifier SRHK)	137.49	30.86
28 31 23 00-1192		**SpectrAlert Advance Ceiling Mounted Strobes** *(28 31 23 00-0939)*		
28 31 23 00-1193	EA	Interior Multi-Candela Ceiling Mounted Strobe (Notifier SCR)	112.23	30.86
28 31 23 00-1194	EA	Outdoor Multi-Candela Ceiling Mounted Strobe (Notifier SCRK)	135.81	30.86
28 31 23 00-1195	EA	Interior High-Candela Ceiling Mounted Strobe (Notifier SCRH)	124.02	30.86
28 31 23 00-1196	EA	Outdoor High-Candela Ceiling Mounted Strobe (Notifier SCRHK)	137.49	30.86
28 31 23 00-1197		**System Sensor SpectrAlert Advance Wall Mounted Speakers** *(28 31 23 00-0939)*		
28 31 23 00-1198	EA	Wall Mounted Speaker (Notifier SPR)	92.87	30.86
28 31 23 00-1199	EA	High dB Wall Mounted Speaker (Notifier SPRV)	92.87	30.86
28 31 23 00-1200	EA	Selectable Candela Wall Mounted Speaker/Strobe (Notifier SPSR)	144.23	30.86
28 31 23 00-1201	EA	High-Candela Wall Mounted Speaker/Strobe (Notifier SPSRH)	152.64	30.86
28 31 23 00-1202	EA	High dB Wall Mounted Speaker/Strobe (Notifier SPSRV)	144.23	30.86
28 31 23 00-1203	EA	Outdoor Selectable Candela Wall Mounted Speaker/Strobe (Notifier SPSRK)	179.59	30.86
28 31 23 00-1204		**System Sensor SpectrAlert Advance Ceiling Mounted Speakers** *(28 31 23 00-0939)*		
28 31 23 00-1205	EA	Ceiling Mounted Speaker (Notifier SPCR)	92.87	30.86
28 31 23 00-1206	EA	High dB Ceiling Mounted Speaker (Notifier SPCRV)	92.87	30.86
28 31 23 00-1207	EA	Outdoor Ceiling Mounted Speaker (Notifier SPCRK)	128.23	30.86
28 31 23 00-1208	EA	Selectable Candela Ceiling Mounted Speaker/Strobe (Notifier SPSCR)	144.23	30.86
28 31 23 00-1209	EA	High-Candela Ceiling Mounted Speaker/Strobe (Notifier SPSCRH)	152.64	30.86
28 31 23 00-1210	EA	High dB Ceiling Mounted Speaker/Strobe (Notifier SPSCRV)	144.23	30.86
28 31 23 00-1211	EA	High-Candela/High dB Ceiling Mounted Speaker/Strobe (Notifier SPSCRVH)	152.64	30.86
28 31 23 00-1212		**SpectrAlert Advance Accessories** *(28 31 23 00-0939)*		
28 31 23 00-1213	EA	Wall Mounted Backbox Skirt (Notifier BBS-2)	21.19	6.17
28 31 23 00-1214	EA	Ceiling Mounted Backbox Skirt (Notifier BBSC-2)	24.98	6.17
28 31 23 00-1215		**System Sensor Electric Alarm Bell** *(28 31 23 00-0939)*		
28 31 23 00-1216	EA	10” Alarm Bell (Notifier SSM24-10)	117.29	30.86
28 31 23 00-1217		**FM Series Door Releases** *(28 31 23 00-0939)*		
28 31 23 00-1218	EA	1/2" Door Holder Spacer (Notifier FM900-50)	21.61	6.17
28 31 23 00-1219	EA	3/4" Door Holder Spacer (Notifier FM900-75)	21.61	6.17
28 31 23 00-1220	EA	1" Door Holder Spacer (Notifier FM900-100)	21.61	6.17
28 31 23 00-1221	EA	Door Holder Extension Kit (Notifier FM900)	23.29	6.17
28 31 23 00-1222	EA	90 Degree Door Holder Extension Kit (Notifier FM900-Z)	23.29	6.17
28 31 23 00-1223	EA	Floor Mount Door Holder, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC (Notifier FM980)	158.54	30.86
28 31 23 00-1224	EA	Surface Mount Door Holder, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC (Notifier FM996)	138.33	30.86
28 31 23 00-1225	EA	Recessed Mount Door Holder With Concealed Wiring, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC (Notifier FM998)	138.33	30.86
28 31 23 00-1226		**Johnson Controls Fire Alarm** *(28 31 23)*		
28 31 23 00-1227	EA	Intelligent Addressable ION Detector; With FlashScan. (Johnson Controls, Inc. #1951J)	129.89	30.86
28 31 23 00-1228	EA	Intelligent Addressable Photo Detector; With FlashScan. (Johnson Controls, Inc. #2951J)	128.62	30.86
28 31 23 00-1229	EA	Intelligent Addressable Photo/Thermal Detector; With FlashScan. (Johnson Controls, Inc. #2951TJ)	157.65	30.86
28 31 23 00-1230	EA	Acclimate™ Intelligent Photo Thermal Detector; With FlashScan. (Johnson Controls, Inc. #2951TMJ)	157.25	30.86
28 31 23 00-1231	EA	411UD, 4 Channel Dual. (Johnson Controls, Inc. #411UD)	415.62	41.14
28 31 23 00-1232	EA	Intelligent Addressable High Temperature Heat Detector; With FlashScan. (Johnson Controls, Inc. #5951HJ)	123.41	30.86
28 31 23 00-1233	EA	Intelligent Addressable High Temperature Heat Detector; With FlashScan. (Johnson Controls, Inc. #5951J)	111.40	30.86
28 31 23 00-1234	EA	Intelligent Addressable Rate-of-Rise Thermal Detector; With FlashScan. (Johnson Controls, Inc. #5951RJ)	108.85	30.86
28 31 23 00-1235	EA	Intelligent Addressable Laser Detector; Low Profile, Use With IFC Series Panels Only. (Johnson Controls, Inc. #7351J)	304.67	30.86
28 31 23 00-1236	EA	100 Watt Audio Amplifier @ 70.7 VRMS With Built-in Tone Generator, 120 Volt AC. (Johnson Controls, Inc. #AA-100)	1,447.97	61.72
28 31 23 00-1237	EA	AUDIO Amplifier, 100 Watt, 230 Volt, (Johnson Controls, Inc. #AA-100E)	1,403.67	61.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-1238	EA	120 Watt Audio Amplifier @ 25 VRMS With Built-in Tone Generator, 120 Volt AC. (Johnson Controls, Inc. #AA-120)	1,427.57	61.72
28 31 23 00-1239	EA	AUDIO Amplifier, 120 Watt, 230 Volt, (Johnson Controls, Inc. #AA-120E)	1,367.91	61.72
28 31 23 00-1240	EA	30 Watt Audio Amplifier @ 25 VRMS, 120 Volt AC. (Johnson Controls, Inc. #AA-30)	678.63	61.72
28 31 23 00-1241	EA	AUDIO Amplifier, 30 Watt, 230 Volt, (Johnson Controls, Inc. #AA-30E)	678.63	61.72
28 31 23 00-1242	EA	Annunciator Control Module With; 16 Red Alarm LED's, 16 Yellow Trouble LED's, And 16 Control Switches, On-line, System Trouble Led, And Local Sounder, Local Acknowledge And Lamp Test Switch, Supports 1, 2 Or 3 AEM-16AT Expander Modules. (Johnson Controls, Inc. #ACM-16AT)	663.38	20.58
28 31 23 00-1243	EA	IFC Series ACS Annunciator; Up To 96 Points Of Annunciation With Alarm Or Active LED, Trouble LED And Switch Per Circuit. Active/Alarm LEDs Can Be Programmed (By Powered Up Switch Selection) By Point To Be Red, Green Or Yellow And The Trouble LED Is Always Yellow. Expandable With One, Two Or Three AEM-24AT's. (Johnson Controls, Inc. #ACM-24AT)	689.68	20.58
28 31 23 00-1244	EA	Annunciator Control Module; Includes 32 Red Alarm LED's, System Trouble LED And On-line LED, Local Acknowledge, Lamp Test Switch, And Local Piezo Sounder, Supports One AEM-32A Expander Module. (Johnson Controls, Inc. #ACM-32A)	508.71	20.58
28 31 23 00-1245	EA	IFC Series ACS Annunciator; Up To 96 Points Of Annunciation With Alarm Or Active LED Per Circuit. Active/Alarm LEDs Can Be Programmed (By Powered Up Switch Selection) In Groups Of 24 To Be Red, Green Or Yellow. Expandable To 96 Points With One AEM-48A. (Johnson Controls, Inc. #ACM-48A)	508.71	20.58
28 31 23 00-1246	EA	Annunciator, Relay, Form C. (Johnson Controls, Inc. #ACM-8R)	361.21	20.58
28 31 23 00-1247	EA	Charger Power Supply - 6 Or 10 Amps; Mounts In CAB-PS1, CAB-3/4, EQ Cabx, BB-25, Or CHS-PS1; Comes With The PK-PPS Programming Utility. Windows® PC And USB Cable Required For Programming. (Johnson Controls, Inc. #ACPS-610)	1,155.12	41.14
28 31 23 00-1248	EA	Annunciator Expander Module With: 16 Red Alarm LED's, 16 Yellow Trouble LED's, 16 Control Switches, Cable For Connection To The ACM-16AT Master. (Johnson Controls, Inc. #AEM-16AT)	508.71	20.58
28 31 23 00-1249	EA	Annunciator Expander Module; 24 Alarm And Trouble LEDs, Expands The ACM-24AT To 48, 72 Or 96 Points. (Johnson Controls, Inc. #AEM-24AT)	528.48	20.58
28 31 23 00-1250	EA	Annunciator Expander Module With: 32 Red Alarm LED's, Cable For Connection To The ACM-32A Master. (Johnson Controls, Inc. #AEM-32A)	456.85	20.58
28 31 23 00-1251	EA	Annunciator Expander Module; 48 Alarm LEDs, Expands The ACM-48A To 96 Points. (Johnson Controls, Inc. #AEM-48A)	456.85	20.58
28 31 23 00-1252	EA	Back Box, Flush Or Surface Mount; Requires A Door And Telephone Chassis. (Johnson Controls, Inc. #AFAWS-BX)	82.62	18.51
28 31 23 00-1253	EA	Receiver, Multimode Fiber. (Johnson Controls, Inc. #AFL-RM)	702.76	41.14
28 31 23 00-1254	EA	Receiver, Singlemode Fiber. (Johnson Controls, Inc. #AFL-RS)	1,512.72	41.14
28 31 23 00-1255	EA	Transmit, Multimode Fiber. (Johnson Controls, Inc. #AFL-TM)	702.76	41.14
28 31 23 00-1256	EA	Transmit, Singlemode Fiber. (Johnson Controls, Inc. #AFL-TS)	1,512.72	41.14
28 31 23 00-1257	EA	Base, Smoke Detector, 2 Wire. (Johnson Controls, Inc. #B110LP)	31.31	10.28
28 31 23 00-1258	EA	Base, Smoke Detector, Intelligent. (Johnson Controls, Inc. #B224BI)	77.45	10.28
28 31 23 00-1259	EA	Base, Smoke Detector, Intelligent. (Johnson Controls, Inc. #B224RB)	73.28	10.28
28 31 23 00-1260	EA	Base, Smoke Detector, 2 Wire. (Johnson Controls, Inc. #B401)	33.09	10.28
28 31 23 00-1261	EA	Intelligent Detector Base, Without Flange. (Johnson Controls, Inc. #B501J)	30.13	10.28
28 31 23 00-1262	EA	Battery Cabinet, Lockable. (Johnson Controls, Inc. #BB-100)	516.83	41.14
28 31 23 00-1263	EA	Projected Beam Smoke Detector, Single-ended Reflected Type, Includes Trouble Relay, Transmitter/Receiver In One Unit. (Johnson Controls, Inc. #Beam1224)	1,196.26	61.72
28 31 23 00-1264	EA	Same As Beam1224 With Built-in Sensitivity Test Filter. (Johnson Controls, Inc. #Beam1224S)	1,263.31	61.72
28 31 23 00-1265	EA	Mounting Kit, Long RG, Beam. (Johnson Controls, Inc. #BeamLRK)	141.27	10.28
28 31 23 00-1266	EA	Mounting Kit, Beam Detect. (Johnson Controls, Inc. #BeamMMK)	96.58	10.28
28 31 23 00-1267	EA	Digital Audio Amplifier, 50 Watt, 25 VRMS. (Johnson Controls, Inc. #DAA-5025)	1,197.24	61.72
28 31 23 00-1268	EA	Digital Audio Amplifier, 50 Watt, 25 VRMS, Multi-Fiber. (Johnson Controls, Inc. #DAA-5025F)	1,106.85	61.72
28 31 23 00-1269	EA	Digital Audio Amplifier, 50 Watt, 25 VRMS, Single-Fiber. (Johnson Controls, Inc. #DAA-5025SF)	1,106.85	61.72
28 31 23 00-1270	EA	Digital Audio Amplifier, 50 Watt, 70 VRMS. (Johnson Controls, Inc. #DAA-5070)	1,294.88	61.72
28 31 23 00-1271	EA	Amplifier, Digital Audio. (Johnson Controls, Inc. #DAA-5070E)	1,196.26	61.72
28 31 23 00-1272	EA	Digital Audio Amplifier, 50 Watt, 70 VRMS, Multi-Fiber. (Johnson Controls, Inc. #DAA-5070F)	1,196.26	61.72
28 31 23 00-1273	EA	Digital Audio Amplifier, 50 Watt, 70 VRMS, Single-Fiber. (Johnson Controls, Inc. #DAA-5070SF)	1,196.26	61.72
28 31 23 00-1274	EA	Digital Audio Amplifier, 75 Watt, 25 VRMS. (Johnson Controls, Inc. #DAA-7525)	1,426.15	61.72
28 31 23 00-1275	EA	Digital Audio Amplifier, 75 Watt, 25 VRMS, Multi Fiber. (Johnson Controls, Inc. #DAA-7525F)	1,426.15	61.72
28 31 23 00-1276	EA	Digital Audio Amplifier, 75 Watt, 25 VRMS, Single Fiber. (Johnson Controls, Inc. #DAA-7525SF)	1,426.15	61.72
28 31 23 00-1277	EA	Innovairflex Intelligent. (Johnson Controls, Inc. #DNR)	153.85	20.58
28 31 23 00-1278	EA	Innovairflex Duct Detect. (Johnson Controls, Inc. #DNRW)	232.02	20.58
28 31 23 00-1279	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST1)	23.58	8.23
28 31 23 00-1280	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST1.5)	25.42	8.23
28 31 23 00-1281	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST10)	50.85	8.23
28 31 23 00-1282	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST3)	29.54	8.23
28 31 23 00-1283	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST5)	32.41	8.23
28 31 23 00-1284	EA	Digital Voice Command, Analog Output. (Johnson Controls, Inc. #DVC-AO)	233.34	20.58
28 31 23 00-1285	EA	Digital Voice Command, Keypad. (Johnson Controls, Inc. #DVC-KD)	390.74	41.14
28 31 23 00-1286	EA	Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or AMPS-24; B Size, Black. (Johnson Controls, Inc. #EQBB-B4)	335.47	61.72
28 31 23 00-1287	EA	Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or AMPS-24; C Size, Black. (Johnson Controls, Inc. #EQBB-C4)	455.86	61.72
28 31 23 00-1288	EA	Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or AMPS-24; D Size, Black. (Johnson Controls, Inc. #EQBB-D4)	496.09	61.72
28 31 23 00-1289	EA	Equipment Cabinet Door; B Size Black. (Johnson Controls, Inc. #EQDR-B4)	252.74	8.23
28 31 23 00-1290	EA	Equipment Cabinet Door; C Size Black. (Johnson Controls, Inc. #EQDR-C4)	379.42	8.23
28 31 23 00-1291	EA	Equipment Cabinet Door; D Size Black. (Johnson Controls, Inc. #EQDR-D4)	416.68	8.23
28 31 23 00-1292	EA	6.0 Amps, 120 Volt AC Remote Charger Power Supply. Includes Main Printed Circuit Board, Transformers And Installation Instructions. (Johnson Controls, Inc. #FCPS-24S6)	683.82	82.30
28 31 23 00-1293	EA	8.0 Amps, 120 Volt AC Remote Charger Power Supply. Includes Main Printed Circuit Board, Transformers And Installation Instructions. (Johnson Controls, Inc. #FCPS-24S8)	688.17	82.30
28 31 23 00-1294	EA	80 Character Display Annunciator. "Security Keypad" Mechanical Design. For Use With The IFC-320, JCPU2-640, JCPU-640 And IFC-400/300 (Rev 3.62+) Only. (Johnson Controls, Inc. #FDU-80G)	646.45	61.72
28 31 23 00-1295	EA	Fireman's Telephone Hand Set. (Johnson Controls, Inc. #FHS)	118.93	10.28
28 31 23 00-1296	EA	Fire Phone Storage Cabinet, Recessed, Holds 6 Phones. (Johnson Controls, Inc. #FHSC-R)	333.48	20.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-1297	EA	Door Holder, Magnetic, Floor. (Johnson Controls, Inc. #FM980)	184.12	30.86
28 31 23 00-1298	EA	Door Holder, Magnetic, Wall. (Johnson Controls, Inc. #FM996)	152.41	30.86
28 31 23 00-1299	EA	Door Holder, Magnetic, Wall. (Johnson Controls, Inc. #FM998)	159.63	30.86
28 31 23 00-1300	EA	Addressable Beam Detector. (Johnson Controls, Inc. #FSB-200)	1,210.26	41.14
28 31 23 00-1301	EA	Addressable Beam Detector With Remote Test Feature. (Johnson Controls, Inc. #FSB-200S)	1,474.85	41.14
28 31 23 00-1302	EA	Intelligent Addressable HARSH (Hostile Area Smoke Head) Detector; Photo, Requires B501B-FTXJ Base. (Johnson Controls, Inc. #FTX-P2J)	448.75	20.58
28 31 23 00-1303	EA	IFC-320 Intelligent Fire Alarm Panel; Single Printed Circuit Board With One SLC Loop (318 Devices), Back-lit, 80 Character Display, System And Programming Keypad And 6.0 Amp Power Supply, 120 Volt AC, Includes Door, Dress Panel And Back Box, Black. (Johnson Controls, Inc. #IFC-320)	3,127.87	329.17
28 31 23 00-1304	EA	Upgrade Kit, ORG BLD, 640. (Johnson Controls, Inc. #IFC-640UG)	1,487.69	41.14
28 31 23 00-1305	EA	Workstation Only Workstation GUI Software And Hardware Package. (Johnson Controls, Inc. #IFI)	19,855.31	987.51
28 31 23 00-1306	EA	Workstation With NFN Fiber PC Card Workstation GUI Software And Hardware Package. Includes NFN Gateway (JNFN-GW-PC-F) Fiber Version. (Johnson Controls, Inc. #IFI-F)	21,643.34	987.51
28 31 23 00-1307	EA	Workstation With Echelon Wire PC Card Workstation GUI Software And Hardware Package For Building Systems Integration, WSSUP Workstation Supervisor. Includes Echelon® Gateway (ECH-GW-PC-W) Wire Version. (Johnson Controls, Inc. #IFI-IP)	24,325.39	987.51
28 31 23 00-1308	EA	Workstation With NFN Wire PC Card Workstation GUI Software And Hardware Package. Includes NFN Gateway (JNFN-GW-PC-W) Wire Version. (Johnson Controls, Inc. #IFI-W)	21,643.34	987.51
28 31 23 00-1309	EA	Annunciator Flush Box. Mounts One Annunciator Module. (Johnson Controls, Inc. #JABF-1B)	148.07	12.35
28 31 23 00-1310	EA	Annunciator Flush Box. One Module. Attractive Glass Door And Key Lock. (Johnson Controls, Inc. #JABF-1DB)	165.95	12.35
28 31 23 00-1311	EA	Annunciator Flush Box. Mounts Two Annunciator Modules. (Johnson Controls, Inc. #JABF-2B)	180.25	12.35
28 31 23 00-1312	EA	Annunciator Flush Box. Mounts Four Annunciator Modules. (Johnson Controls, Inc. #JABF-4B)	332.24	12.35
28 31 23 00-1313	EA	Annunciator Surface Box. Deep With Trim Cover. (Johnson Controls, Inc. #JABS-1TB)	109.43	8.23
28 31 23 00-1314	EA	Surface (or Semi-flush) Mount Backbox. Used With The INA, ACS Annunciators, SCS Series, JNCA And JNCA-2 Black. (Johnson Controls, Inc. #JABS-2D)	173.22	18.51
28 31 23 00-1315	EA	Surface (or Semi-flush) Mount Backbox. Used With The INA, ACS Annunciators, SCS Series, JNCA And JNCA-2 Red. (Johnson Controls, Inc. #JABS-2DR)	183.47	18.51
28 31 23 00-1316	EA	Surface (or Semi-flush) Mount INA, ACS, Or SCS Backbox, Black. (Johnson Controls, Inc. #JABS-4D)	330.26	18.51
28 31 23 00-1317	EA	Audio Command Door For CAB-B4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-B4)	324.90	8.23
28 31 23 00-1318	EA	Audio Command Door For CAB-C4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-C4)	436.66	8.23
28 31 23 00-1319	EA	Audio Command Door For CAB-D4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-D4)	539.47	8.23
28 31 23 00-1320	EA	Addressable Pull Station; With FlashScan. (Johnson Controls, Inc. #JBG-12LX)	159.75	20.58
28 31 23 00-1321	EA	Battery Dress Panel For CAB-4 Series; For Use With The JCPU2-3030, JCPU2-640, JNCA-2, And DVC Systems. (Johnson Controls, Inc. #JBP2-4)	73.96	8.23
28 31 23 00-1322	EA	JCPU2-3030 CPU With 640-character Display; Required For Single Panel (One CPU2-3030) Systems. Includes: CPU, 640-Character Backlit LCD Display, QWERTY Programming And Control Keypad, Installation, Programming And Operating Manuals. Supports One To 10 Signaling Line Circuits (Up To Five LCM-320 And Five LEM-320). Order One Per System Or As Necessary (Up To 103 Network Nodes) For A Networked System. Requires Top Row Of A Cabinet. (Johnson Controls, Inc. #JCPU2-3030D)	3,121.10	329.17
28 31 23 00-1323	EA	Central Processing Unit For The JCPU2-640 With Integral 120 Volt Power Supply, Includes CHS2-M2 Chassis. (Johnson Controls, Inc. #JCPU2-640)	2,257.29	246.88
28 31 23 00-1324	EA	Main Board, CPU, IFC3030, DI. (Johnson Controls, Inc. #JCPU-3030D)	4,008.68	329.17
28 31 23 00-1325	EA	Main Board, CPU, IFC640. (Johnson Controls, Inc. #JCPU-640)	3,819.56	246.88
28 31 23 00-1326	EA	Main Board, CPU, IFC640, EUR. (Johnson Controls, Inc. #JCPU-640E)	2,782.68	246.88
28 31 23 00-1327	EA	Digital Voice Command, Extended Memory. (Johnson Controls, Inc. #JDVC-EM)	1,477.22	30.86
28 31 23 00-1328	EA	Digital Voice Command, Extended Memory, Multi-Fiber. (Johnson Controls, Inc. #JDVC-EMF)	1,492.14	30.86
28 31 23 00-1329	EA	Digital Voice Command, Extended Memory, Single-Fiber. (Johnson Controls, Inc. #JDVC-EMSF)	1,492.14	30.86
28 31 23 00-1330	EA	Annunciator, Network Control. (Johnson Controls, Inc. #JNCA)	1,767.98	41.14
28 31 23 00-1331	EA	Network Control Annunciator-2, 640-characters; On Single Panel (one JCPU2-640) JCPU2-640 Systems, The JNCA-2 Can Be The Primary Display For The Panel And Connects Directly To The JCPU2-640. On Network Systems (Two Or More JCPU2-640's), One Network Display (Either JNCA-2 Or IFW) Is Required For Every System And Each JNCA-2 Connects To And Requires An NCM Network Control Module. Mounts In A Row Of FACP Node Or In Two Annunciator Module Positions. Mounting Options Include: NCA/640-2-Kit (directly Mounting To The CHS2-M2), CA-2, ADP-4B, Or In An Annunciator Box, Such As The ABS-2DB (requires The CHS-2D). (Johnson Controls, Inc. #JNCA-2)	1,501.10	41.14
28 31 23 00-1332	EA	Mass Notification Voice Paging; Requires JNOTIFY-PAA Hardware Package (Sold Separately). (Johnson Controls, Inc. #JNOTIFY-IP)	1,387.77	246.88
28 31 23 00-1333	EA	160 Character Display Annunciator; For Use With JCPU-3030 And JCPU2-3030. (Johnson Controls, Inc. #LCD-160)	1,071.64	41.14
28 31 23 00-1334	EA	80 Character LCD Annunciator. Mounts In ABS-1T, ABF-1D, ABF-2D, Or Flush Back Box. (Johnson Controls, Inc. #LCD-80)	884.75	41.14
28 31 23 00-1335	EA	Loop Control Module. Each LCM May Be Expanded To Two Loops By Adding A LEM-320. IFC2- 3030 And IFC-3030 Only. (Johnson Controls, Inc. #LCM-320)	1,412.94	41.14
28 31 23 00-1336	EA	Lamp Driver Annunciator Control Module. For Use With Custom Graphic Annunciators. 32 Points. (Johnson Controls, Inc. #LDM-32)	436.29	10.28
28 31 23 00-1337	EA	Cable 24": LDM TO Annunciator. (Johnson Controls, Inc. #LDM-CBL24)	142.51	8.23
28 31 23 00-1338	EA	Cable 48": LDM TO Annunciator. (Johnson Controls, Inc. #LDM-CBL48)	174.69	8.23
28 31 23 00-1339	EA	Lamp Driver Annunciator Expander Module. For Use With Custom Graphic Annunciators. 32 Points. (Johnson Controls, Inc. #LDM-E32)	352.27	10.28
28 31 23 00-1340	EA	Relay Module. 32 Form-A Contacts. Connects To LDM-32 Or LDM-E32. (Johnson Controls, Inc. #LDM-R32)	642.82	10.28
28 31 23 00-1341	EA	Loop Expander Module. Mounts As Daughter Board To LCM-320 To Provide Even Numbered SLC Loops. (Johnson Controls, Inc. #LEM-320)	1,161.14	10.28
28 31 23 00-1342	EA	Addressable Control Module With FlashScan; Configured For One Class A Or Class B NAC. (Johnson Controls, Inc. #M300CJ)	95.13	10.28
28 31 23 00-1343	EA	Addressable Dual Monitor Module; With FlashScan, Two Class B Circuits. (Johnson Controls, Inc. #M300DJ)	148.95	10.28
28 31 23 00-1344	EA	Addressable Monitor Module; With FlashScan; Supervises Either A Class A Or Class B Circuit Of N.D. Dry-contact Input Devices. (Johnson Controls, Inc. #M300MJ)	75.63	10.28
28 31 23 00-1345	EA	Addressable Relay Module With FlashScan; Provides Two Form-C Dry Contacts That Switch Together. (Johnson Controls, Inc. #M300RJ)	104.34	10.28
28 31 23 00-1346	EA	Addressable Mini Module With FlashScan; Supervises A Class B Circuit Of N.D. Dry-contact Devises. (Johnson Controls, Inc. #M301MJ)	83.17	10.28
28 31 23 00-1347	EA	Addressable 2-Wire Detector Monitor Module; With FlashScan. (Johnson Controls, Inc. #M302MJ)	132.83	10.28
28 31 23 00-1348	EA	Addressable Firephone Control Module With Flashscan. (Johnson Controls, Inc. #M500FPJ)	150.86	10.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-1349	EA	SLC Loop Isolator Module; Isolates Against Short Circuits On The SLC. (Johnson Controls, Inc. #M500XJ)	87.01	10.28
28 31 23 00-1350	EA	Network INTFC, P2P, Wire. (Johnson Controls, Inc. #MIB-W)	1,234.67	30.86
28 31 23 00-1351	EA	Network Adapter, Fiber. (Johnson Controls, Inc. #NAM-232F)	1,095.18	20.58
28 31 23 00-1352	EA	Network Adapter, Wire. (Johnson Controls, Inc. #NAM-232W)	1,012.93	20.58
28 31 23 00-1353	EA	Plate, Retrofit, NCA-2. (Johnson Controls, Inc. #NCA-2RETRO)	39.52	4.12
28 31 23 00-1354	EA	Network Control Module - Multi Mode Fiber; Order One NCM Per Network Node (JCPU-640/3030, JNCA, JCPU2-640/3030, JNCA-2, DVC, Etc). (Johnson Controls, Inc. #NCM-F)	887.24	20.58
28 31 23 00-1355	EA	Network Control Module - Wire; Order One NCM Per Network Node (JCPU-640/3030, JNCA, JCPU2-640/3030, JNCA-2, DVC, Etc). (Johnson Controls, Inc. #NCM-W)	845.28	20.58
28 31 23 00-1356	EA	NFV-25/50. (Johnson Controls, Inc. #NFV-25/50)	2,153.15	41.14
28 31 23 00-1357	EA	NU-RPT101-1U RS485. (Johnson Controls, Inc. #NU-RPT101-1U)	602.06	20.58
28 31 23 00-1358	EA	Key Switch, Remote Control. (Johnson Controls, Inc. #RKS-S)	165.75	8.23
28 31 23 00-1359	EA	Microphone Assembly For Mounting To An ADP-4 Dress Panel. (Johnson Controls, Inc. #RM-1)	383.56	20.58
28 31 23 00-1360	EA	Microphone Assembly For Mounting In An CAB-RM Cabinet. (Johnson Controls, Inc. #RM-1SA)	383.56	20.58
28 31 23 00-1361	EA	Remote Page Jack. Allows Remote All-Call Paging. (Johnson Controls, Inc. #RPJ-1)	104.08	8.23
28 31 23 00-1362	EA	SA-WBB, Weatherproof. (Johnson Controls, Inc. #SA-WBB)	28.45	4.12
28 31 23 00-1363	EA	SA-WBBC, Weatherproof. (Johnson Controls, Inc. #SA-WBBC)	28.45	4.12
28 31 23 00-1364	EA	Strobe, Standard, 12/24 Volt DC, Red. (Johnson Controls, Inc. #SCR)	115.37	30.86
28 31 23 00-1365	EA	Strobe, HI, 12/24 Volt DC, Red. (Johnson Controls, Inc. #SCRH)	127.88	30.86
28 31 23 00-1366	EA	Strobe, HI, Outdoor, Red. (Johnson Controls, Inc. #SCRHK)	142.18	30.86
28 31 23 00-1367	EA	Strobe, Standard, Outdoor, Red. (Johnson Controls, Inc. #SCRK)	140.39	30.86
28 31 23 00-1368	EA	Smoke Control Master; Includes Eight On/off/auto Switches. Supports One SCE-8. Includes Manual, Slide-in Labels. Mounts In ADP-4 Or ABS-4D. (Johnson Controls, Inc. #SCS-8)	932.54	82.30
28 31 23 00-1369	EA	Smoke Control Lamp Driver. Outputs For 8 On/off/auto Switches With LED's. Intended For Custom Built Smoke Control Stations. Support One SCE-8L. (Johnson Controls, Inc. #SCS-8L)	735.85	82.30
28 31 23 00-1370	EA	Strobe, Standard, 12/24 Volt DC, White. (Johnson Controls, Inc. #SCW)	115.37	30.86
28 31 23 00-1371	EA	Strobe, HI, 12/24 Volt DC, Red. (Johnson Controls, Inc. #SCWH)	127.88	30.86
28 31 23 00-1372	EA	Strobe, Standard, 12/24 Volt DC, White. (Johnson Controls, Inc. #SCW-P)	115.37	30.86
28 31 23 00-1373	EA	Mounting Kit, M300/M500. (Johnson Controls, Inc. #SMB500)	22.14	8.23
28 31 23 00-1374	EA	SMK-MOV Kit-LON. (Johnson Controls, Inc. #SMK-MOVKit-LON)	22.58	4.12
28 31 23 00-1375	EA	SMK-MOV Kit-MSTP. (Johnson Controls, Inc. #SMK-MOVKit-MSTP)	25.45	4.12
28 31 23 00-1376	EA	SPBBS, Wall, Back Box. (Johnson Controls, Inc. #SPBBS)	22.60	4.12
28 31 23 00-1377	EA	Strobe, Standard, 12/24 Volt DC, Red. (Johnson Controls, Inc. #SR)	106.74	30.86
28 31 23 00-1378	EA	Strobe, HI, 12/24 Volt DC, Red. (Johnson Controls, Inc. #SRH)	127.88	30.86
28 31 23 00-1379	EA	Strobe, HI, Outdoor, Red. (Johnson Controls, Inc. #SRHK)	142.18	30.86
28 31 23 00-1380	EA	Strobe, HI, 12/24 Volt DC, Red. (Johnson Controls, Inc. #SRH-P)	127.88	30.86
28 31 23 00-1381	EA	Strobe, Standard, Outdoor, Red. (Johnson Controls, Inc. #SRK)	140.39	30.86
28 31 23 00-1382	EA	Strobe, Standard, 12/24 Volt DC, Red. (Johnson Controls, Inc. #SR-P)	115.37	30.86
28 31 23 00-1383	EA	Strobe, Standard, 12/24 Volt DC, White. (Johnson Controls, Inc. #SW)	115.37	30.86
28 31 23 00-1384	EA	Strobe, HI, 12/24 Volt DC, White. (Johnson Controls, Inc. #SWH)	127.88	30.86
28 31 23 00-1385	EA	Strobe, HI, 12/24 Volt DC, White. (Johnson Controls, Inc. #SWH-P)	127.88	30.86
28 31 23 00-1386	EA	Strobe, Standard, 12/24 Volt DC, White. (Johnson Controls, Inc. #SW-P)	115.37	30.86
28 31 23 00-1387	EA	Firefighter's Telephone Handset Only. (Johnson Controls, Inc. #TELH-1)	144.84	10.28
28 31 23 00-1388	EA	Universal Digital Alarm Communicator Transmitter. (Johnson Controls, Inc. #UDACT)	637.25	41.14
28 31 23 00-1389	EA	Speaker Strobe, Ceiling, White, 2 W (MAX), Dual Voltage, Multi. (Johnson Controls, Inc. #SPSCW)	168.93	41.14
28 31 23 00-1390	EA	Speaker, White, Ceiling Mount. (Johnson Controls, Inc. #SPCW)	73.59	20.58
28 31 23 00-1391	EA	Speaker, White, Ceiling Mount, High Db. (Johnson Controls, Inc. #SPCWV)	73.59	20.58
28 31 23 00-1392	EA	Speaker Strobe, Red, Ceiling Mount, Standard Candela. (Johnson Controls, Inc. #SPSCR)	127.77	20.58
28 31 23 00-1393	EA	Speaker Strobe, Red, Ceiling Mount, High Candela. (Johnson Controls, Inc. #SPSCRH)	138.14	20.58
28 31 23 00-1394	EA	Speaker Strobe, Red, Ceiling Mount, High Candela, High Db. (Johnson Controls, Inc. #SPSCRVH)	138.14	20.58
28 31 23 00-1395	EA	Speaker Strobe, White, Ceiling Mount, High Db. (Johnson Controls, Inc. #SPSCWV)	123.66	20.58
28 31 23 00-1396	EA	Speaker Strobe Wall, WP, White, 2W (MAX), Dual Volt, Multi D. (Johnson Controls, Inc. #SPSWK)	165.15	20.58
28 31 23 00-1397	EA	Speaker Strobe, Wall, White, Standard Candela. (Johnson Controls, Inc. #SPSW)	127.77	20.58
28 31 23 00-1398	EA	Wall Mount Speaker, White. (Johnson Controls, Inc. #SPW)	73.59	20.58
28 31 23 00-1399	EA	Wall Mount Speaker, Red. (Johnson Controls, Inc. #SPR)	73.59	20.58
28 31 23 00-1400	EA	Speaker Strobe, Wall, White, High Cd. (Johnson Controls, Inc. #SPSWH)	138.14	20.58
28 31 23 00-1401	EA	Speaker Strobe, Wall, Red, High Cd. (Johnson Controls, Inc. #SPSR)	127.77	20.58
28 31 23 00-1402	EA	Speaker Strobe, Wall, Red, High Db, High Candela. (Johnson Controls, Inc. #SPSRV)	127.77	20.58

28 31 23 00-1403 Honeywell Fire Alarm *(28 31 23)*

28 31 23 00-1404 Fire-Lite System *(28 31 23 00-1403)*

28 31 23 00-1405 Addressable Control Panels *(28 31 23 00-1404)*

28 31 23 00-1406	EA	25 Point Intelligent Control (Fire Lite MS-25)	1,294.08	411.46
28 31 23 00-1407	EA	50 Point Intelligent Control (Fire Lite MS-9050UD)	1,408.72	411.46
28 31 23 00-1408	EA	198-Point Intelligent Control (Fire Lite MS-9200UDLS)	1,996.86	411.46
28 31 23 00-1409	EA	636-Point Intelligent Control (Fire Lite MS-9600LS)	2,911.04	411.46
28 31 23 00-1410	EA	636-Point Intelligent Control (Fire Lite MS-9600UDLS)	2,801.66	411.46

28 31 23 00-1411 Silent Knight System *(28 31 23 00-1403)*

28 31 23 00-1412	EA	Addressable Fire Alarm Control Panel With Integrated Emergency Communication System (Silent Knight 5820XL-EVS)	2,976.15	205.73
28 31 23 00-1413	EA	Supervised Remote Command Unit (Silent Knight EVS-RCU)	1,244.52	123.44
28 31 23 00-1414	EA	50 Watt Amplifier (Silent Knight EVS-50W)	871.63	82.30
28 31 23 00-1415	EA	125 Watt Amplifier (Silent Knight EVS-125W)	1,536.33	82.30
28 31 23 00-1416	EA	Voice Evacuation System (Silent Knight SKE-450)	1,470.45	82.30
28 31 23 00-1417	EA	Fire Fighters Telephone (Silent Knight SK-FFT)	1,223.39	82.30
28 31 23 00-1418	EA	Multi-Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5820XL)	1,262.16	123.44
28 31 23 00-1419	EA	Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5808)	936.33	82.30

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-1420	EA	Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5700)	720.52	82.30
28 31 23 00-1421	EA	Hybrid Conventional Fire Alarm Control/Communicator System (Silent Knight 5600)	624.09	82.30
28 31 23 00-1422	EA	Combination Fire And CO Detector (Silent Knight SK-FIRE-CO)	200.26	30.86
28 31 23 00-1423	EA	Photoelectric Detector (Silent Knight SK-PHOTO)	117.49	30.86
28 31 23 00-1424	EA	Photoelectric Thermal Detector (Silent Knight SK-PHOTO-T)	123.25	30.86
28 31 23 00-1425	EA	Ionization Smoke Detector (Silent Knight SK-ION)	123.90	30.86
28 31 23 00-1426	EA	135 Degree Fixed Temperature Detector (Silent Knight SK-HEAT)	109.01	30.86
28 31 23 00-1427	EA	190 Degree Fixed Temperature Detector (Silent Knight SK-HEAT-HT)	114.27	30.86
28 31 23 00-1428	EA	135 Degree Fixed Temperature Rate-of-Rise Detector (Silent Knight SK-HEAT-ROR)	116.21	30.86
28 31 23 00-1429	EA	Sounder Base (Silent Knight B200SR)	68.00	10.28
28 31 23 00-1430	EA	Intelligent Sounder Base (Silent Knight B200S)	71.85	10.28
28 31 23 00-1431	EA	Isolator Base (Silent Knight B224BI)	57.12	10.28
28 31 23 00-1432	EA	Relay Base (Silent Knight B224RB)	57.75	10.28
28 31 23 00-1433	EA	Multi-Criteria Photoelectric Detector With Thermal Sensing (Silent Knight SK-ACCLIMATE)	125.91	30.86
28 31 23 00-1434	EA	Photoelectric Duct Detector (Silent Knight SK-DUCT)	197.85	30.86
28 31 23 00-1435	EA	Single-Ended Reflected Beam Smoke Detector (Silent Knight SK-BEAM)	678.18	30.86
28 31 23 00-1436	EA	Single-Ended Reflected Beam Smoke Detector (Silent Knight SK-BEAM-T)	773.47	30.86
28 31 23 00-1437	EA	Dual Monitor Module (Silent Knight SK-MONITOR-2)	148.13	30.86
28 31 23 00-1438	EA	Supervised Control Module (Silent Knight SK-CONTROL)	124.67	30.86
28 31 23 00-1439	EA	Six Circuit Supervised Control Module (Silent Knight SK-CONTROL-6)	403.72	41.14
28 31 23 00-1440	EA	Relay Control Module (Silent Knight SK-RELAY)	105.33	20.58
28 31 23 00-1441	EA	Six Relay Control Module (Silent Knight SK-RELAY-6)	390.62	41.14
28 31 23 00-1442	EA	Zone Interface Module (Silent Knight SK-ZONE)	127.14	30.86
28 31 23 00-1443	EA	Six Zone Interface Module (Silent Knight SK-ZONE-6)	465.62	41.14
28 31 23 00-1444	EA	Monitor Module (Silent Knight SK-MONITOR)	110.43	30.86
28 31 23 00-1445	EA	10 Input Monitor Module (Silent Knight SK-MON-10)	451.34	41.14
28 31 23 00-1446	EA	Monitor Module (Silent Knight SK-MINIMON)	103.39	30.86
28 31 23 00-1447	EA	Fault Isolator Module (Silent Knight SK-ISO)	114.27	30.86
28 31 23 00-1448	EA	Addressable Heat Sensor (Silent Knight SD505-AHS)	112.36	30.86
28 31 23 00-1449	EA	Analog Ionization Smoke Detector (Silent Knight SD505-AIS)	121.44	30.86
28 31 23 00-1450	EA	Addressable Photoelectric Smoke Detector (Silent Knight SD505-APS)	114.27	30.86
28 31 23 00-1451	EA	6" Addressable Sounder Base (Silent Knight SD505-6SB)	82.76	10.28
28 31 23 00-1452	EA	6" Addressable Relay Base (Silent Knight SD505-6RB)	78.26	10.28
28 31 23 00-1453	EA	6" Isolator Base (Silent Knight SD505-6IB)	71.22	10.28
28 31 23 00-1454	EA	Addressable Input Module (Silent Knight SD500-AIM)	113.64	30.86
28 31 23 00-1455	EA	Addressable Notification Module (Silent Knight SD500-ANM)	138.25	30.86
28 31 23 00-1456	EA	Addressable Relay Module (Silent Knight SD500-ARM)	124.67	30.86
28 31 23 00-1457	EA	SLC Annunciator Driver Module (Silent Knight SD500-LED)	469.86	61.72
28 31 23 00-1458	EA	Loop Isolation Module (Silent Knight SD500-LIM)	118.12	30.86
28 31 23 00-1459	EA	Addressable Mini Input Module (Silent Knight SD500-MIM)	91.78	20.58
28 31 23 00-1460	EA	Single Action Addressable Pull Station (Silent Knight SD500-PS)	116.44	20.58
28 31 23 00-1461	EA	Dual Action Addressable Pull Station (Silent Knight SD500-PSDA)	111.50	20.58
28 31 23 00-1462	EA	Back Box (Silent Knight SK-PSSMBB)	53.58	16.46
28 31 23 00-1463	EA	Smoke Detector Module (Silent Knight SD500-SDM)	130.84	30.86
28 31 23 00-1464	EA	Addressable Smoke 4" Detector Base (Silent Knight SD505-4AB)	32.30	10.28
28 31 23 00-1465	EA	Addressable Smoke 6" Detector Base (Silent Knight SD505-6AB)	32.30	10.28
28 31 23 00-1466	EA	Addressable Duct Housing (Silent Knight SD505-DUCT)	206.29	30.86
28 31 23 00-1467	EA	Addressable Duct Housing With Built-In Relay (Silent Knight SD505-DUCTR)	265.32	30.86
28 31 23 00-1468	EA	Addressable Duct Dectector Test Switch (Silent Knight SD505-DTS)	116.84	30.86
28 31 23 00-1469	EA	Intelligent Power Module (Silent Knight 5895XL)	675.28	82.30
28 31 23 00-1470	EA	Addressable Power Supply (Silent Knight 5496)	472.24	61.72
28 31 23 00-1471	EA	Relay Interface Board (Silent Knight 5883)	179.68	20.58
28 31 23 00-1472	EA	Remote LED Annunciator (Silent Knight 5865-3)	369.19	41.14
28 31 23 00-1473	EA	Remote LED Annunciator (Silent Knight 5865-4)	416.58	41.14
28 31 23 00-1474	EA	Remote LCD Annunciator (Silent Knight SK-5860)	402.00	61.72
28 31 23 00-1475	EA	Serial/Parallel Printer Interface (Silent Knight 5824)	254.38	20.58
28 31 23 00-1476	EA	LED Input/Output Module (Silent Knight / IntelliKnight 5880)	300.99	30.86
28 31 23 00-1477	EA	Addressable Pull Station (Silent Knight SK-Pull-DA/SA)	111.50	20.58
28 31 23 00-1478	EA	Digital Fire Communicator with Cabinet (Silent Knight SK-5104)	385.33	61.72
28 31 23 00-1479	EA	Communicator (Silent Knight IPGSM-4G)	553.80	41.14
28 31 23 00-1480	EA	Ten Zone Conventional Fire Alarm Control Panel (Silent Knight SK-5208)	881.04	82.30
28 31 23 00-1481	EA	10 Zone Expander (Silent Knight SK-5217)	245.95	20.58
28 31 23 00-1482	EA	Remote Annunciator (Silent Knight SK-5235)	253.37	41.14
28 31 23 00-1483	EA	Status Display Module (Silent Knight 5280)	76.40	20.58
28 31 23 00-1484	EA	Serial/Parallel Module (Silent Knight 5824)	295.54	41.14
28 31 23 00-1485	EA	Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4)	513.38	82.30
28 31 23 00-1486	EA	Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4E)	522.90	82.30
28 31 23 00-1487	EA	Dress Panel (Silent Knight SK-DP2/4)	98.82	20.58
28 31 23 00-1488	EA	Class A Convertor (Silent Knight SK-CAC4)	249.66	30.86
28 31 23 00-1489	EA	Transmitter Module (Silent Knight SK-4XTM	137.02	30.86
28 31 23 00-1490	EA	LED Interface Module (Silent Knight SK-4XLM	127.14	30.86
28 31 23 00-1491	EA	110 Volt Transformer, 3-6A (Silent Knight SK-XRM24)	126.31	20.58
28 31 23 00-1492	EA	Remote Annunciator (Silent Knight SK-RZA4)	127.14	30.86
28 31 23 00-1493	EA	Zone Relay Module (Silent Knight SK-4XZM)	135.78	30.86
28 31 23 00-1494	EA	Two Zone Conventional Fire Alarm Control Panel (Silent Knight SK-2)	447.90	82.30
28 31 23 00-1495	EA	Remote Battery Box Accessory Cabinet (Silent Knight RBB)	111.50	20.58
28 31 23 00-1496	EA	Manual Pull Station (single action) (Silent Knight PS-SATK)	65.04	20.58
28 31 23 00-1497	EA	Manual Pull Station (dual action) (Silent Knight PS-DATK)	69.81	20.58
28 31 23 00-1498	EA	Manual Pull Station (dual action) (Silent Knight PS-DA)	68.47	20.58
28 31 23 00-1499	EA	Dual Action Manual Pull Station, Hex Key (Silent Knight PS-DAH)	61.93	20.58
28 31 23 00-1500	EA	Dual Action Listed Outdoor Manual Pull Station With Black Box (Silent Knight PS-DALOB)	143.19	30.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-1501	EA	6 Amp/24 Volt DC, Distributed Power Module (with cabinet) (Silent Knight SK-5495)	444.86	61.72
28 31 23 00-1502	EA	9 Amp/24 Volt DC, Distributed Power Module (with cabinet) (Silent Knight SK-5499)	497.24	61.72
28 31 23 00-1503		**Fire Alarm Terminal Cabinets** *(28 31 23)*		
28 31 23 00-1504	EA	18 Point Lockable Fire Alarm Terminal Cabinet	147.76	41.21
28 31 23 00-1505	EA	32 Point Lockable Fire Alarm Terminal Cabinet	186.97	41.21
28 31 23 00-1506	EA	64 Point Lockable Fire Alarm Terminal Cabinet	265.38	41.21
28 31 23 00-1507	EA	128 Point Lockable Fire Alarm Terminal Cabinet	343.77	41.21
28 31 23 00-1508		**Test And Certification** *(28 31 23)*		
28 31 23 00-1509	DAY	Test And Certification For Tie Into Existing Systems	656.05	
28 31 23 00-1510	HR	Test And Certification Of Fire Alarm System Note: GCC Programming and Engineering; Programming of the Fire Alarm System.	109.79	

28 33 Gas Detection and Alarm *(28 30)*

28 33 00 00-0001		**Monitoring System For Underground Tanks** *(28 33)*		
28 33 00 00-0002		**Continuous Leak Detection System** *(28 33 00 00-0001)* Note: Includes calibration, electronic control module and probes. Excludes sample wells, electrical power supply and sensor cable.		
28 33 00 00-0003	EA	Single Channel Underground Tank Monitoring System	2,800.24	337.40
28 33 00 00-0004	EA	2 Channel Underground Tank Monitoring System	3,771.79	450.13
28 33 00 00-0005	EA	3 Channel Underground Tank Monitoring System	5,152.95	482.24
28 33 00 00-0006	EA	4 Channel Underground Tank Monitoring System	5,714.91	674.80
28 33 00 00-0007	EA	Control Panel, 1-8 Tanks, Single Wall Tank Monitoring System	3,520.34	57.60
28 33 00 00-0008	EA	Control Panel, 1-4 Tanks, Double Wall Tank Monitoring System	3,174.01	51.44
28 33 00 00-0009	EA	Control Panel, 1-8 Tanks, Double Wall Tank Monitoring System	4,161.81	57.60
28 33 00 00-0010	EA	Tank Leak Detection Probe	1,281.76	12.35
28 33 00 00-0011	EA	Secondary Containment Collar Probe	160.55	4.94
28 33 00 00-0012	EA	Interstitial Leak Detection Probe	295.74	10.28
28 33 00 00-0013	EA	Liquid Phase Detection	972.31	30.86
28 33 00 00-0014	EA	Hydrocarbon Vapor, Fixed	900.31	30.86
28 33 00 00-0015	EA	Hydrocarbon Vapor, Float Mounted	1,048.20	34.98
28 33 00 00-0016	EA	Liquid And Vapor Hydrocarbon	1,192.21	34.98
28 33 00 00-0017		**Hydrogen Gas Detection** *(28 33)*		
28 33 00 00-0018	EA	Hydrogen Gas Detector Sensor, 1% Fan Relay, 2% Alarm (SBS HGDI-DR)	1,019.74	30.91
28 33 00 00-0019	EA	Hydrogen Gas Detector Junction Box (SBS HGDI-JB)	58.07	10.30
28 33 00 00-0020	EA	Remote Display With 25' Cable For Hydrogen Gas Detector (SBS HGDI-REM)	270.53	30.91

28 34 Fuel-Oil Detection and Alarm *(28 30)*

See CSI section 28 33 00 00-0000 for detection and alarms.

END OF SECTION 28

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 Earthwork

31 01 Maintenance of Earthwork *(31)*

31 01 20 Maintenance of Earth Moving *(31 01)*

31 01 20 00-0001 Rip Settling Basins *(31 01 20)*

Note: Rip through light soil and sand in settling basin. 8' on center (machine width).

31 01 20 00-0002	ACR	Rip Light Soil And Sand, By Dozer	464.51
31 01 20 00-0003	ACR	Rip Light Soil And Sand, By Grader With Rear Ripper	750.59
31 01 20 00-0004	ACR	Rip Light Soil And Sand, By Rubber Tire Front End Loader	636.55

31 05 Common Work Results For Earthwork *(31)*

31 05 13 Soils For Earthwork *(31 05)*

Note: Includes delivery up to 15 miles from the closest approved source and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0038 for hauling greater than 15 miles.

31 05 13 00-0001 Fill Material (Loose, Purchased Material) *(31 05 13)*

Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0038 for hauling greater than 15 miles.

31 05 13 00-0002	CY	Sand, Bank Run	30.61
		For Up To 10, Add	*8.58*
		For >10 To 25, Add	*3.06*
31 05 13 00-0003	CY	3/8" Minus, ASTM C33, Screened/Washed Bedding Sand	31.71
		For Up To 10, Add	*8.91*
		For >10 To 25, Add	*3.17*
31 05 13 00-0004	CY	Native Clean Fill Soil/Dirt - Common	19.09
		For Up To 10, Add	*5.12*
		For >10 To 25, Add	*1.91*
31 05 13 00-0005	CY	Lime Rock Screening	23.27
		For Up To 10, Add	*6.38*
		For >10 To 25, Add	*2.33*
31 05 13 00-0006	CY	Crushed Lime Rock Maximum 3-1/2"	21.90
		For Up To 10, Add	*5.97*
		For >10 To 25, Add	*2.19*
31 05 13 00-0007	CY	Asphalt Sand	28.91
		For Up To 10, Add	*8.07*
		For >10 To 25, Add	*2.89*
31 05 13 00-0008	CY	Lawn Sand	24.09
		For Up To 10, Add	*6.62*
		For >10 To 25, Add	*2.41*
31 05 13 00-0009	CY	Sand/Clay	30.07
		For Up To 10, Add	*8.42*
		For >10 To 25, Add	*3.01*
31 05 13 00-0010	CY	Recycled Concrete Aggregate	38.95
		For Up To 10, Add	*11.08*
		For >10 To 25, Add	*3.90*
31 05 13 00-0011	CY	Sand Fill, Washed Aggregate	39.65
		For Up To 10, Add	*11.29*
		For >10 To 25, Add	*3.97*
31 05 13 00-0012	CY	Pond Sand	19.93
		For Up To 10, Add	*5.37*
		For >10 To 25, Add	*1.99*
31 05 13 00-0013	CY	Pitrun Clay	25.12
		For Up To 10, Add	*6.93*
		For >10 To 25, Add	*2.51*
31 05 13 00-0014	CY	Light Clay / Loam	34.37
		For Up To 10, Add	*9.71*
		For >10 To 25, Add	*3.44*
31 05 13 00-0015	CY	Heavy Clay	29.78
		For Up To 10, Add	*8.33*
		For >10 To 25, Add	*2.98*

31 05 16 Aggregates For Earthwork *(31 05)*

See CSI section 01 74 19 00-0038 for hauling greater than 15 miles.

31 05 16 00-0001 Aggregate (Loose, Purchased Material) *(31 05 16)*

Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0038 for hauling greater than 15 miles.

31 05 16 00-0002	CY	#2 Stone Aggregate Fill (1-1/2" To 2-1/2" Clean)	32.34
		For Up To 10, Add	*9.10*
		For >10 To 25, Add	*3.23*
31 05 16 00-0003	CY	#3 Stone Aggregate Fill (1" To 2" Clean)	28.75
		For Up To 10, Add	*8.02*
		For >10 To 25, Add	*2.88*
31 05 16 00-0004	CY	#4 Stone Aggregate Fill (3/4" To 1-1/2" Clean)	29.20
		For Up To 10, Add	*8.16*
		For >10 To 25, Add	*2.92*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 16 00-0005	CY	#5 Stone Aggregate Fill (1/2" To 1" Clean)	31.37	
		For Up To 10, Add	*8.81*	
		For >10 To 25, Add	*3.14*	
31 05 16 00-0006	CY	#6 Stone Aggregate Fill (3/8" To 3/4" Clean)	31.80	
		For Up To 10, Add	*8.94*	
		For >10 To 25, Add	*3.18*	
31 05 16 00-0007	CY	#56 Stone Aggregate Fill (3/8" To 1")	32.69	
		For Up To 10, Add	*9.20*	
		For >10 To 25, Add	*3.27*	
31 05 16 00-0008	CY	#57 Stone Aggregate Fill (#4 To 1")	33.22	
		For Up To 10, Add	*9.36*	
		For >10 To 25, Add	*3.32*	
31 05 16 00-0009	CY	#67 Or #68 Stone Aggregate Fill (#4 To 3/4")	33.71	
		For Up To 10, Add	*9.51*	
		For >10 To 25, Add	*3.37*	
31 05 16 00-0010	CY	#7 Stone Aggregate Fill (1/2" To #4)	33.80	
		For Up To 10, Add	*9.54*	
		For >10 To 25, Add	*3.38*	
31 05 16 00-0011	CY	#78 Stone Aggregate Fill (#8 To 1/2")	34.69	
		For Up To 10, Add	*9.80*	
		For >10 To 25, Add	*3.47*	
31 05 16 00-0012	CY	#8 Stone Aggregate Fill (3/8" x 1/8")	35.58	
		For Up To 10, Add	*10.07*	
		For >10 To 25, Add	*3.56*	
31 05 16 00-0013	CY	#89 Stone Aggregate Fill (#16 To 3/8")	35.71	
		For Up To 10, Add	*10.11*	
		For >10 To 25, Add	*3.57*	
31 05 16 00-0014	CY	#9 Stone Aggregate Fill (1/4" Clean)	35.86	
		For Up To 10, Add	*10.15*	
		For >10 To 25, Add	*3.59*	
31 05 16 00-0015	CY	#10 Stone Aggregate Fill (#8 To 3/4)	37.21	
		For Up To 10, Add	*10.56*	
		For >10 To 25, Add	*3.72*	
31 05 16 00-0016	CY	#610 Modified Stone Aggregate Fill (#16 To 3/4")	34.50	
		For Up To 10, Add	*9.75*	
		For >10 To 25, Add	*3.45*	
31 05 16 00-0017	CY	Screenings Stone Aggregate Fill	27.94	
		For Up To 10, Add	*7.78*	
		For >10 To 25, Add	*2.79*	
31 05 16 00-0018	CY	Stone Aggregate Fill, Random Size, Over 6" To 12"	38.16	
		For Up To 10, Add	*10.84*	
		For >10 To 25, Add	*3.82*	
31 05 16 00-0019	CY	Graded Stone Aggregate Fill, Over 6" To 12"	42.09	
		For Up To 10, Add	*12.02*	
		For >10 To 25, Add	*4.21*	
31 05 16 00-0020	CY	Surge Stone Aggregate Fill (3" To 7" Random)	33.65	
		For Up To 10, Add	*9.49*	
		For >10 To 25, Add	*3.37*	
31 05 16 00-0021	CY	Surge Stone Graded Aggregate Fill (3" To 7")	38.80	
		For Up To 10, Add	*11.04*	
		For >10 To 25, Add	*3.88*	
31 05 16 00-0022	CY	Crusher Run Aggregate Fill (2-1/2" Minus)	32.21	
		For Up To 10, Add	*9.06*	
		For >10 To 25, Add	*3.22*	
31 05 16 00-0023	CY	Crusher Run Aggregate Fill (1-1/2" Minus)	31.33	
		For Up To 10, Add	*8.79*	
		For >10 To 25, Add	*3.13*	
31 05 16 00-0024	CY	Crusher Run Aggregate Fill (3/4" Minus)	28.31	
		For Up To 10, Add	*7.89*	
		For >10 To 25, Add	*2.83*	
31 05 16 00-0025	CY	Miscellaneous Crushed Base, Processed Concrete, Paving	35.90	
		For Up To 10, Add	*10.17*	
		For >10 To 25, Add	*3.59*	

31 05 36 Equipment Delivery, Pickup, Mobilization And Demobilization *(31 05)*

See CSI section 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

31 10 Site Clearing *(31)*

31 11 Clearing And Grubbing *(31 10)*

31 11 00 00-0001 Clear And Grub Roots And Stumps *(31 11)*

Note: Tree diameter (diameter at breast height) is the diameter of the tree trunk measured at 4.5' above ground level. Based on tree density (light, medium or heavy) to be removed. Excludes loading. See CSI section 31 13 13 00-0001 for small areas or individual trees removal.

31 11 00 00-0002	ACR	Clear And Grub Light Trees Up To 6" Diameter, Cut And Chip Note: Includes grub and removal of stump	6,281.49
31 11 00 00-0003	ACR	Clear And Grub Light Stumps Only Up To 6" Diameter	1,553.40
31 11 00 00-0004	ACR	Clear And Grub Medium Trees Up To 10" Diameter, Cut And Chip Note: Includes grub and removal of stump	7,328.41
31 11 00 00-0005	ACR	Clear And Grub Medium Stumps Only Up To 10" Diameter	2,589.00
31 11 00 00-0006	ACR	Clear And Grub Heavy Trees Up To 16" Diameter, Cut And Chip Note: Includes grub and removal of stump	8,327.74

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 11 00 00-0007	ACR	Clear And Grub Heavy Stumps Only Up To 16" Diameter	2,942.40	
31 11 00 00-0008	ACR	Clearing By Machine - Light Brush Without Grub	240.22	
31 11 00 00-0009	ACR	Clearing By Machine - Medium Brush Without Grub	491.85	
31 11 00 00-0010	ACR	Clearing By Machine - Heavy Brush Without Grub	698.43	
31 11 00 00-0011	ACR	Chipping - Light Brush	1,954.59	
31 11 00 00-0012	ACR	Chipping - Medium Brush	2,513.17	
31 11 00 00-0013	ACR	Chipping - Heavy Brush	3,518.76	

31 11 00 00-0014 Loading Of Cleared And Grubbed Material *(31 11)*

See CSI section 01 74 19 00-0038 for hauling.

31 11 00 00-0015	CY	Machine Loading Of Cleared And Grubbed Material	8.24	
31 11 00 00-0016	CY	Chute Loading Of Cleared And Grubbed Material	9.89	
31 11 00 00-0017	CY	Hand Loading Of Cleared And Grubbed Material	31.05	
31 11 00 00-0018	CY	Wheel And Ramp Loading Of Cleared And Grubbed Material	24.39	

31 13 Selective Tree And Shrub Removal And Trimming *(31 10)*

31 13 13 Selective Tree And Shrub Removal *(31 13)*

31 13 13 00-0001 Individual Tree Removal *(31 13 13)*

Note: Includes sawing and chipping branches. Tree diameter, D.B.H. (Diameter At Breast Height) is the diameter of the tree trunk measured at 4.5' above ground elevation. Excludes stump removal or grinding.

31 13 13 00-0002	EA	Up To 6" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	458.03
31 13 13 00-0003	EA	>6" To 12" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	687.04
31 13 13 00-0004	EA	>12" To 24" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	916.05
31 13 13 00-0005	EA	>24" To 36" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	1,374.08
31 13 13 00-0006	EA	>36" To 48" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	1,832.10

31 13 13 00-0007 Stump Removal *(31 13 13)*

Note: Measured by diameter of stump.

31 13 13 00-0008 Stump Removal By Machine *(31 13 13 00-0007)*

31 13 13 00-0009	EA	Up To 6" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	77.67
31 13 13 00-0010	EA	>6" To 12" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	148.86
31 13 13 00-0011	EA	>12" To 24" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	194.18
31 13 13 00-0012	EA	>24" To 36" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	291.27
31 13 13 00-0013	EA	>36" To 48" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	343.07

31 13 13 00-0014 Stump Removal By Hand *(31 13 13 00-0007)*

31 13 13 00-0015	EA	Up To 6" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	489.60
31 13 13 00-0016	EA	>6" To 12" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	612.00
31 13 13 00-0017	EA	>12" To 24" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	897.60
31 13 13 00-0018	EA	>24" To 36" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	1,224.00
31 13 13 00-0019	EA	>36" To 48" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	1,632.00

31 13 13 00-0020 Stump Grinding *(31 13 13)*

Note: Measured by diameter of stump.

31 13 13 00-0021 Stump Grinding, 18" Deep Below Surface Of Soil *(31 13 13 00-0020)*

Note: Level soil to match existing surface area.

31 13 13 00-0022	EA	Stump Grinding Up To 6" Tree	90.55	
		For 24" Depth, Add		*18.11*
31 13 13 00-0023	EA	Stump Grinding >6" To 12" Tree	120.74	
		For 24" Depth, Add		*24.15*
31 13 13 00-0024	EA	Stump Grinding >12" To 15" Tree	135.84	
		For 24" Depth, Add		*27.17*
31 13 13 00-0025	EA	Stump Grinding >15" To 18" Tree	150.93	
		For 24" Depth, Add		*30.19*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 13 13 00-0026	EA	Stump Grinding >18" To 21" Tree	162.25	
		For 24" Depth, Add	*32.45*	
31 13 13 00-0027	EA	Stump Grinding >21" To 24" Tree	173.57	
		For 24" Depth, Add	*34.71*	
31 13 13 00-0028	EA	Stump Grinding >24" To 27" Tree	188.67	
		For 24" Depth, Add	*37.73*	
31 13 13 00-0029	EA	Stump Grinding >27" To 30" Tree	204.76	
		For 24" Depth, Add	*40.95*	
31 13 13 00-0030	EA	Stump Grinding >30" To 33" Tree	227.51	
		For 24" Depth, Add	*45.50*	
31 13 13 00-0031	EA	Stump Grinding >33" To 36" Tree	242.68	
		For 24" Depth, Add	*48.54*	
31 13 13 00-0032	EA	Stump Grinding >36" To 42" Tree	273.00	
		For 24" Depth, Add	*54.60*	
31 13 13 00-0033	EA	Stump Grinding >42" To 48" Tree	303.34	
		For 24" Depth, Add	*60.67*	

31 13 13 00-0034 Shrub Removal, Dig And Lace *(31 13 13)*

31 13 13 00-0035	EA	Remove 18" To 24" Shrub, Broadleaf Evergreen	34.40	
31 13 13 00-0036	EA	Remove 2' To 3' Shrub, Broadleaf Evergreen	53.94	
31 13 13 00-0037	EA	Remove 3' To 4' Shrub, Broadleaf Evergreen	62.53	
31 13 13 00-0038	EA	Remove 4' To 5' Shrub, Broadleaf Evergreen	93.81	
31 13 13 00-0039	EA	Remove 12" To 15" Shrub, Deciduous	17.19	
31 13 13 00-0040	EA	Remove 18" To 24" Shrub, Deciduous	26.58	
31 13 13 00-0041	EA	Remove 2' To 3' Shrub, Deciduous	34.40	
31 13 13 00-0042	EA	Remove 3' To 4' Shrub, Deciduous	37.52	
31 13 13 00-0043	EA	Remove 18" To 24" Shrub, Evergreen	34.40	
31 13 13 00-0044	EA	Remove 24" To 30" Shrub, Evergreen	37.52	
31 13 13 00-0045	EA	Remove 30" To 36" Shrub, Evergreen	53.94	
31 13 13 00-0046	EA	Remove 36" To 42" Shrub, Evergreen	93.80	

31 13 16 Selective Tree And Shrub Trimming *(31 13)*

31 13 16 00-0001 Tree Trimming For Pole Line Construction And Maintenance *(31 13 16)*

Note: Area to be vertical cleared (to include overhanging limbs) is minimum 20' wide (10' each side of structure) and 16' above ground. All materials to 6" D.B.H. (Diameter At Breast Height) to be chipped in place. Larger material may be chipped or disposed. Trees greater than 18" diameter use individual tree removal tasks. Quantity based on running foot of power line to be cleared.

31 13 16 00-0002	LF	Tree Trimming, Light Cutting To 6" Diameter For Pole Line Construction	1.54
31 13 16 00-0003	LF	Tree Trimming, Medium Cutting >6" To 12" Diameter For Pole Line Construction	2.31
31 13 16 00-0004	LF	Tree Trimming, Heavy Cutting >12" To 18" Diameter For Pole Line Construction	2.72

31 20 Earth Moving *(31)*

Note: Per OSHA -Soil Classification - 1926 Subpart P App A. Light material: Class A site material, normally referred to as "easy digging". Consisting of loose, soft, free running materials. Close lying, which will fill blade, digger or bucket to capacity, and frequently provide a heaped load. Materials such as dry sand, small gravel, unpacked earth, loam, etc., would fall into this category. Medium material: Class B site material, normally referred to as "medium and tough, wet and sticky clay would be examples of this medium digging", consisting of harder materials that are not difficult to dig without assistance such as ripping, blasting, etc. Material break up with some bulkiness causing voids in digger or bucket. Materials such as packed earth, common earth with some clay, soil with less that 25% rock content would be examples of this category. Heavy/wet material: Class C site material, normally referred to as "hard digging", consisting of materials which may require some assistance in breaking up. Bulky and somewhat hard to penetrate materials would be found in this category and voids in dipper or bucket would be common. Materials such as very hard packed soil, with up to 50% to 70% rock content and hard category. Soil conditions will be determined by soil analysis to provide appropriate percentage (%) for the various types of soil conditions. Apply the percentages to the various soil types to generate an appropriate representation of the soil condition.

31 23 Excavation And Fill *(31 20)*

31 23 16 Excavation *(31 23)*

31 23 16 13 Trenching *(31 23 16)*

Note: Use this section for trenching operations even if the total project volume exceeds 500 CY. Use tasks for work by hand only for areas not accessible by machine.

31 23 16 13-0001 Excavation For Trenching By Machine *(31 23 16 13)*

Note: Includes stockpiling excess materials and trimming sides and bottom of trench.

31 23 16 13-0002	CY	12" Wide or Less, Excavation for Trenching by Machine in Soil	8.00	
		For Excavation In Light Material (Class A), Deduct	*-1.00*	
		For Excavation In Heavy/Wet Material (Class C), Add	*3.20*	
		For Up To 20, Add	*6.40*	
		For >20 To 50, Add	*4.00*	
		For >50 To 250, Add	*2.00*	
		For >500 To 1,000, Deduct	*-1.20*	
		For >1,000, Deduct	*-2.40*	
31 23 16 13-0003	CY	Over 12" Wide, Excavation for Trenching by Machine in Soil	5.20	
		For Excavation In Light Material (Class A), Deduct	*-0.65*	
		For Excavation In Heavy/Wet Material (Class C), Add	*2.08*	
		For Up To 20, Add	*4.16*	
		For >20 To 50, Add	*2.60*	
		For >50 To 250, Add	*1.30*	
		For >500 To 1,000, Deduct	*-0.78*	
		For >1,000, Deduct	*-1.56*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 13-0004	CY	12" Wide or Less, Excavation for Trenching by Machine in Loose Rock	13.25	
		For Up To 20, Add	*10.60*	
		For >20 To 50, Add	*6.63*	
		For >50 To 250, Add	*3.31*	
		For >500 To 1,000, Deduct	*-1.99*	
		For >1,000, Deduct	*-3.98*	
31 23 16 13-0005	CY	Over 12" Wide, Excavation for Trenching by Machine in Loose Rock	9.24	
		For Up To 20, Add	*7.39*	
		For >20 To 50, Add	*4.62*	
		For >50 To 250, Add	*2.31*	
		For >500 To 1,000, Deduct	*-1.39*	
		For >1,000, Deduct	*-2.77*	

31 23 16 13-0006 Excavation For Trenching By Hand *(31 23 16 13)*

31 23 16 13-0007	CY	Excavation For Trenching By Hand In Soil Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	102.46	
31 23 16 13-0008	CY	Excavation For Trenching By Hand In Loose Rock Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	175.76	

31 23 16 13-0009 Backfilling Or Placing Subbase For Trenches *(31 23 16 13)*

Note: With imported or stockpiled materials.

31 23 16 13-0010	CY	Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Machine	2.81	
		For Up To 20, Add	*2.25*	
		For >20 To 50, Add	*1.41*	
		For >50 To 250, Add	*0.70*	
		For >500 To 1,000, Deduct	*-0.42*	
		For >1,000, Deduct	*-0.84*	
31 23 16 13-0011	CY	Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Hand	28.46	

31 23 16 13-0012 Compaction Of Fill Or Subbase For Trenches *(31 23 16 13)*

Note: Includes restoration of final grade.

31 23 16 13-0013	CY	Compaction of Fill or Subbase for Trenches by Vibratory Plate, Air Tamper, Etcetera	5.94	
		For Up To 20, Add	*4.75*	
		For >20 To 50, Add	*2.97*	
		For >50 To 250, Add	*1.49*	
		For >500 To 1,000, Deduct	*-0.89*	
		For >1,000, Deduct	*-1.78*	
31 23 16 13-0014	CY	Compaction of Fill or Subbase for Trenches by Hand	32.10	

31 23 16 13-0015 Loading Excess Material For Removal From Excavation For Trenches *(31 23 16 13)*

Note: Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling.

31 23 16 13-0016	CY	Load Excess Material by Machine for Removal from Excavation for Trenching	4.89	
		For Up To 20, Add	*3.91*	
		For >20 To 50, Add	*2.45*	
		For >50 To 250, Add	*1.22*	
		For >500 To 1,000, Deduct	*-0.73*	
		For >1,000, Deduct	*-1.47*	
31 23 16 13-0017	CY	Load Excess Material by Hand for Removal from Excavation for Trenching	75.13	

31 23 16 13-0018 Spread Excess Or Imported Material For Trenches *(31 23 16 13)*

Note: Includes hand work by laborer for clean-up.

31 23 16 13-0019	CY	Spread Excess Or Imported Material On Site With Machine	2.25	

31 23 16 13-0020 Direct Burial (Plowed-in) Cable Or Piping By Machine *(31 23 16 13)*

Note: Includes trench, backfill, compaction and restoration of final grade.

31 23 16 13-0021	LF	Direct Burial of Cable or Piping up to 12" Deep	1.72	
31 23 16 13-0022	LF	Direct Burial of Cable or Piping >12" to 24" Deep	1.89	
31 23 16 13-0023	LF	Direct Burial of Cable or Piping >24" to 36" Deep	2.70	
31 23 16 13-0024	LF	Direct Burial of Cable or Piping >36" to 48" Deep	3.05	

31 23 16 13-0025 Utility Chain Trencher *(31 23 16 13)*

31 23 16 13-0026 Utility Trench, Chain Trencher *(31 23 16 13-0025)*

Note: Earth left adjacent to trench.

31 23 16 13-0027	LF	4" Wide, 12" Deep Trench, Medium Soil, Chain Trencher	0.94	
31 23 16 13-0028	LF	4" Wide, 18" Deep Trench, Medium Soil, Chain Trencher	1.03	
31 23 16 13-0029	LF	4" Wide, 24" Deep Trench, Medium Soil, Chain Trencher	1.07	
31 23 16 13-0030	LF	6" Wide, 12" Deep Trench, Medium Soil, Chain Trencher	1.12	
31 23 16 13-0031	LF	6" Wide, 18" Deep Trench, Medium Soil, Chain Trencher	1.23	
31 23 16 13-0032	LF	6" Wide, 24" Deep Trench, Medium Soil, Chain Trencher	1.40	
31 23 16 13-0033	LF	6" Wide, 36" Deep Trench, Medium Soil, Chain Trencher	1.69	
31 23 16 13-0034	LF	8" Wide, 12" Deep Trench, Medium Soil, Chain Trencher	1.59	
31 23 16 13-0035	LF	8" Wide, 18" Deep Trench, Medium Soil, Chain Trencher	1.87	
31 23 16 13-0036	LF	8" Wide, 24" Deep Trench, Medium Soil, Chain Trencher	2.13	
31 23 16 13-0037	LF	8" Wide, 36" Deep Trench, Medium Soil, Chain Trencher	2.53	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 13-0038		**Backfill Trenches With Compaction** *(31 23 16 13-0025)*		
31 23 16 13-0039	LF	Backfill 4" Wide, 12" Deep Trench, With Compaction	0.14	
31 23 16 13-0040	LF	Backfill 4" Wide, 18" Deep Trench, With Compaction	0.23	
31 23 16 13-0041	LF	Backfill 4" Wide, 24" Deep Trench, With Compaction	0.30	
31 23 16 13-0042	LF	Backfill 6" Wide, 12" Deep Trench, With Compaction	0.23	
31 23 16 13-0043	LF	Backfill 6" Wide, 18" Deep Trench, With Compaction	0.30	
31 23 16 13-0044	LF	Backfill 6" Wide, 24" Deep Trench, With Compaction	0.46	
31 23 16 13-0045	LF	Backfill 6" Wide, 36" Deep Trench, With Compaction	0.66	
31 23 16 13-0046	LF	Backfill 8" Wide, 12" Deep Trench, With Compaction	0.30	
31 23 16 13-0047	LF	Backfill 8" Wide, 18" Deep Trench, With Compaction	0.46	
31 23 16 13-0048	LF	Backfill 8" Wide, 24" Deep Trench, With Compaction	0.61	
31 23 16 13-0049	LF	Backfill 8" Wide, 36" Deep Trench, With Compaction	0.91	
31 23 16 26		**Rock Removal** *(31 23 16)*		
31 23 16 26-0001		**Rock Breaking By Machine** *(31 23 16 26)*		
		Note: Excludes excavation of broken-up rock.		
31 23 16 26-0002	CY	Rock Breaking By Machine, Soft Sedimentary Rocks (Shale, Sandstone, Limestone)	19.91	
31 23 16 26-0003	CY	Rock Breaking By Machine, Medium Metamorphic Rock (Slate)	21.23	
31 23 16 26-0004	CY	Rock Breaking By Machine, Hard Igneous Rock (Granite, Basalt)	25.21	
31 23 16 33		**Bulk Excavation** *(31 23 16)*		
		Note: For excavations where the total quantity for a project is greater than 500 cubic yards. See CSI section 31 05 16 00-0000 for imported material.		
31 23 16 33-0001		**Excavation** *(31 23 16 33)*		
		Note: For bulk excavation. Includes stockpiling excavated materials within 100' of point of excavation.		
31 23 16 33-0002	CY	Bulk Excavation by Dozer in Soil	7.02	
		For Excavation In Light Material (Class A), Deduct	*-0.88*	
		For Excavation In Heavy/Wet Material (Class C), Add	*2.81*	
		For >1,000, Deduct	*-1.05*	
31 23 16 33-0003	CY	Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Soil	4.20	
		For Excavation In Light Material (Class A), Deduct	*-0.53*	
		For Excavation In Heavy/Wet Material (Class C), Add	*1.68*	
		For >1,000, Deduct	*-0.63*	
31 23 16 33-0004	CY	Bulk Excavation by Dozer in Loose Rock	8.63	
		For >1,000, Deduct	*-1.29*	
31 23 16 33-0005	CY	Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Loose Rock	5.17	
		For >1,000, Deduct	*-0.78*	
31 23 16 33-0006		**Spreading, Shaping And Rough Grading** *(31 23 16 33)*		
		Note: Imported or stockpiled material for bulk excavation.		
31 23 16 33-0007	CY	Spreading, Shaping, and Rough Grading Imported or Stockpiled Material for Bulk Excavation by Machine	4.33	
		For >1,000, Deduct	*-0.65*	
31 23 16 33-0008		**Cutting, Shaping and Rough Grading Of Existing Elevations** *(31 23 16 33)*		
		Note: For bulk excavation.		
31 23 16 33-0009	CY	Cutting, Shaping and Rough Grading Existing Elevations For Bulk Excavation by Machine	4.81	
		For >1,000, Deduct	*-0.72*	
31 23 16 33-0010		**Relocating On Site Excavated Material From Excavation** *(31 23 16 33)*		
		Note: For bulk excavation.		
31 23 16 33-0011	CY	Relocating On Site Excavated Material From Bulk Excavation >100' to 300'	3.84	
		For >1,000, Deduct	*-0.58*	
31 23 16 33-0012	CY	Relocating On Site Excavated Material From Bulk Excavation >300' to 500'	5.78	
		For >1,000, Deduct	*-0.87*	
31 23 16 33-0013	CY	Relocating On Site Excavated Material From Bulk Excavation >500' To 1,000'	8.66	
		For >1,000, Deduct	*-1.30*	
31 23 16 33-0014	CY	Relocating On Site Excavated Material From Bulk Excavation >1,000'	11.54	
		For >1,000, Deduct	*-1.73*	
31 23 16 33-0015		**Finish Grading** *(31 23 16 33)*		
		Note: For bulk excavation.		
31 23 16 33-0016	SY	Finish Grading for Bulk Excavation by Machine	0.48	
31 23 16 33-0017		**Compaction Of Fill Or Subbase, Per Lift** *(31 23 16 33)*		
		Note: For bulk excavation. See CSI section 31 23 23 23-0001 for compaction water.		
31 23 16 33-0018	SY	Compaction of Fill or Subbase for Bulk Excavation by Machine	0.49	
		Note: Per Lift		
31 23 16 33-0019		**Loading Excess Material For Removal From Excavation** *(31 23 16 33)*		
		Note: For bulk excavation. Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 33-0020	CY	Loading Excess Material For Removal From Bulk Excavation	4.15	
		For >1,000, Deduct	*-0.62*	

31 23 16 36 Excavation For Building Foundations And Other Structures *(31 23 16)*

Note: Use of a Bobcat is limited to access restricted areas and by owner's approval. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 33-0000 for bulk excavation operations over 500 CY.

31 23 16 36-0001 Excavation *(31 23 16 36)*

Note: For building foundations and other structures by machine. Includes stockpiling excess materials within 100' of point of excavation, shaping, trimming and rough grading excavation.

31 23 16 36-0002 Excavation For Building Foundations And Other Structures By Bobcat *(31 23 16 36-0001)*

31 23 16 36-0003	CY	Excavation For Building Foundations And Other Structures By Bobcat In Soil	6.60	
		For Excavation In Light Material (Class A), Deduct	*-0.83*	
		For Excavation In Heavy/Wet Material (Class C), Add	*2.64*	
		For Up To 20, Add	*6.60*	
		For >20 To 50, Add	*4.95*	
		For >50 To 250, Add	*2.64*	
		For >250 To 500, Add	*0.99*	
31 23 16 36-0004	CY	Excavation For Building Foundations And Other Structures By Bobcat In Loose Rock	8.11	
		For Up To 20, Add	*8.11*	
		For >20 To 50, Add	*6.08*	
		For >50 To 250, Add	*3.24*	
		For >250 To 500, Add	*1.22*	

31 23 16 36-0005 Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader *(31 23 16 36-0001)*

31 23 16 36-0006	CY	Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Soil	5.04	
		For Excavation In Light Material (Class A), Deduct	*-0.63*	
		For Excavation In Heavy/Wet Material (Class C), Add	*2.02*	
		For Up To 20, Add	*5.04*	
		For >20 To 50, Add	*3.78*	
		For >50 To 250, Add	*2.02*	
		For >250 To 500, Add	*0.76*	
31 23 16 36-0007	CY	Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Loose Rock	6.00	
		For Up To 20, Add	*6.00*	
		For >20 To 50, Add	*4.50*	
		For >50 To 250, Add	*2.40*	
		For >250 To 500, Add	*0.90*	

31 23 16 36-0008 Excavation For Building Foundations And Other Structures By Hand *(31 23 16 36-0001)*

Note: For areas not accessible by machine and only with owner's approval.

31 23 16 36-0009	CY	Excavation For Building Foundations And Other Structures By Hand in Soil	102.46	
		For Excavation In Light Material (Class A), Deduct	*-12.81*	
		For Excavation In Heavy/Wet Material (Class C), Add	*40.98*	
31 23 16 36-0010	CY	Excavation For Building Foundations And Other Structures By Hand in Loose Rock	175.76	

31 23 16 36-0011 Relocating On Site Excavated Material From Excavation *(31 23 16 36)*

Note: For building foundations and other structures over 100'.

31 23 16 36-0012	CY	Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >100' to 300'	3.84	
		For Up To 20, Add	*3.84*	
		For >20 To 50, Add	*2.88*	
		For >50 To 250, Add	*1.54*	
		For >250 To 500, Add	*0.58*	
31 23 16 36-0013	CY	Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >300' to 500'	5.78	
		For Up To 20, Add	*5.78*	
		For >20 To 50, Add	*4.34*	
		For >50 To 250, Add	*2.31*	
		For >250 To 500, Add	*0.87*	
31 23 16 36-0014	CY	Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >500' to 1,000'	8.66	
		For Up To 20, Add	*8.66*	
		For >20 To 50, Add	*6.50*	
		For >50 To 250, Add	*3.46*	
		For >250 To 500, Add	*1.30*	
31 23 16 36-0015	CY	Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >1,000'	11.54	
		For Up To 20, Add	*11.54*	
		For >20 To 50, Add	*8.66*	
		For >50 To 250, Add	*4.62*	
		For >250 To 500, Add	*1.73*	

31 23 16 36-0016 Backfilling *(31 23 16 36)*

Note: For building foundations and other structures with imported or stockpiled materials. Includes rough grading.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 36-0017	CY	Backfilling Around Building Foundations And Other Structures By Bobcat	3.22	
		For Up To 20, Add	*3.22*	
		For >20 To 50, Add	*2.42*	
		For >50 To 250, Add	*1.29*	
		For >250 To 500, Add	*0.48*	
31 23 16 36-0018	CY	Backfilling Around Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader	3.91	
		For Up To 20, Add	*3.91*	
		For >20 To 50, Add	*2.93*	
		For >50 To 250, Add	*1.56*	
		For >250 To 500, Add	*0.59*	
31 23 16 36-0019	CY	Backfilling Around Building Foundations And Other Structures By Hand	48.79	
31 23 16 36-0020		Compaction Of Fill Or Subbase *(31 23 16 36)*		
		Note: For building foundations and other structures. See CSI section 31 23 23 23-0001 for compaction water.		
31 23 16 36-0021	CY	Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Vibratory Plate, Air Tamper, Etcetera	9.39	
		For Up To 20, Add	*9.39*	
		For >20 To 50, Add	*7.04*	
		For >50 To 250, Add	*3.76*	
		For >250 To 500, Add	*1.41*	
31 23 16 36-0022	CY	Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Hand	32.10	
31 23 16 36-0023		Grading *(31 23 16 36)*		
		Note: For building foundations and other structures.		
31 23 16 36-0024	SY	Rough Grading For Building Foundations And Other Structures by Machine	0.83	
31 23 16 36-0025	SY	Finish Grading For Building Foundations And Other Structures by Machine	1.33	
31 23 16 36-0026	SY	Finish Grading For Building Foundations And Other Structures by Hand	9.49	
31 23 16 36-0027		Loading Excess Material For Removal From Excavation *(31 23 16 36)*		
		Note: For building foundations and other structures. Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling.		
31 23 16 36-0028	CY	Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Machine	4.32	
		For Up To 20, Add	*4.32*	
		For >20 To 50, Add	*3.24*	
		For >50 To 250, Add	*1.73*	
		For >250 To 500, Add	*0.65*	
31 23 16 36-0029	CY	Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Hand	75.13	
31 23 16 36-0030		Spread Material *(31 23 16 36)*		
		Note: For building foundations and other structures.		
31 23 16 36-0031	CY	Spread Excess Or Imported Material On Site By Machine	2.25	
		For Up To 20, Add	*2.25*	
		For >20 To 50, Add	*1.69*	
		For >50 To 250, Add	*0.90*	
		For >250 To 500, Add	*0.34*	
31 23 16 36-0032	CY	Spread Excess Or Imported Material On Site By Hand	41.46	
31 23 16 43		**Mass Excavation** *(31 23 16)*		
31 23 16 43-0001		Mass Excavation By Dozer *(31 23 16 43)*		
		Note: In CY/Hour and using 50 Min/Hour, +5% grade, average operator and material conversion factors. Pushed to stockpile area.		
31 23 16 43-0002		Dozing Distance Averages 150 Feet Push *(31 23 16 43-0001)*		
31 23 16 43-0003		Dozer With Blade, 65 HP, (D-3B) *(31 23 16 43-0002)*		
31 23 16 43-0004	BCY	Mass Excavation, D-3B Dozer, Light Material 65 HP With Blade, 150' Push, 30 CY/Hour	5.26	
31 23 16 43-0005	BCY	Mass Excavation, D-3B Dozer, Medium Material 65 HP With Blade, 150' Push, 25 CY/Hour	6.30	
31 23 16 43-0006	BCY	Mass Excavation, D-3B Dozer, Wet/Loose Rock 65 HP With Blade, 150' Push 20 CY/Hour	7.88	
31 23 16 43-0007		Dozer With Blade, 90 HP, (D-4H) *(31 23 16 43-0002)*		
31 23 16 43-0008	BCY	Mass Excavation, D-4H Dozer, Light Material 90 HP With Blade, 150' Push, 60 CY/Hour	2.57	
31 23 16 43-0009	BCY	Mass Excavation, D-4H Dozer, Medium Material 90 HP With Blade, 150' Push, 45 CY/Hour	3.42	
31 23 16 43-0010	BCY	Mass Excavation, D-4H Dozer, Wet/Loose Rock 90 HP With Blade, 150' Push, 35 CY/Hour	4.41	
31 23 16 43-0011		Dozer With Blade, 120 HP, (D-5H) *(31 23 16 43-0002)*		
31 23 16 43-0012	BCY	Mass Excavation, D-5H Dozer, Light Material 120 HP With Blade, 150' Push, 85 CY/Hour	1.90	
31 23 16 43-0013	BCY	Mass Excavation, D-5H Dozer, Medium Material 120 HP With Blade, 150' Push, 70 CY/Hour	2.30	
31 23 16 43-0014	BCY	Mass Excavation, D-5H Dozer, Wet/Loose Rock 120 HP With Blade, 150' Push, 50 CY/Hour	3.23	
31 23 16 43-0015		Dozer With Blade, 140 HP, (D-6D) *(31 23 16 43-0002)*		
31 23 16 43-0016	BCY	Mass Excavation, D-6D Dozer, Light Material 140 HP With Blade, 150' Push, 115 CY/Hour	1.66	
31 23 16 43-0017	BCY	Mass Excavation, D-6D Dozer, Medium Material 140 HP With Blade, 150' Push, 90 CY/Hour	2.11	
31 23 16 43-0018	BCY	Mass Excavation, D-6D Dozer, Wet/Loose Rock 140 HP With Blade, 150' Push, 70 CY/Hour	2.72	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 43-0019		Dozer With U-Blade, 200 HP, (D-7G) *(31 23 16 43-0002)*		
31 23 16 43-0020	BCY	Mass Excavation, D-7G Dozer, Light Material 200 HP With U-Blade, 150' Push, 185 CY/Hour	1.10	
31 23 16 43-0021	BCY	Mass Excavation, D-7G Dozer, Medium Material 200 HP With U-Blade 150' Push, 150 CY/Hour	1.36	
31 23 16 43-0022	BCY	Mass Excavation, D-7G Dozer, Wet/Loose Rock 200 HP With U-Blade, 150' Push, 115 CY/Hour	1.77	
31 23 16 43-0023	BCY	Mass Excavation, D-7G Dozer, Blasted Rock 200 HP With U-Blade, 150' Push, 90 CY/Hour	2.26	
31 23 16 43-0024		Dozer With U-Blade, 335 HP, (D-8L) *(31 23 16 43-0002)*		
31 23 16 43-0025	BCY	Mass Excavation, D-8L Dozer, Light Material 335 HP With U-Blade, 150' Push, 290 CY/Hour	0.91	
31 23 16 43-0026	BCY	Mass Excavation, D-8L Dozer, Medium Material 335 HP With U-Blade 150' Push, 235 CY/Hour	1.12	
31 23 16 43-0027	BCY	Mass Excavation, D-8L Dozer, Wet/Loose Rock 335 HP With U-Blade, 150' Push, 180 CY/Hour	1.46	
31 23 16 43-0028	BCY	Mass Excavation, D-8L Dozer, Blasted Rock 335 HP With U-Blade, 150' Push, 145 CY/Hour	1.82	
31 23 16 43-0029		Dozer With U-Blade, 460 HP, (D-9L) *(31 23 16 43-0002)*		
31 23 16 43-0030	BCY	Mass Excavation, D-9L Dozer, Light Material 460 HP With U-Blade, 150' Push, 375 CY/Hour	0.68	
31 23 16 43-0031	BCY	Mass Excavation, D-9L Dozer, Medium Material 460 HP With U-Blade 150' Push, 300 CY/Hour	0.85	
31 23 16 43-0032	BCY	Mass Excavation, D-9L Dozer, Wet/Loose Rock 460 HP With U-Blade, 150' Push, 230 CY/Hour	1.11	
31 23 16 43-0033	BCY	Mass Excavation, D-9L Dozer, Blasted Rock 460 HP With U-Blade, 150' Push, 185 CY/Hour	1.38	
31 23 16 43-0034		Dozer With U-Blade, 700 HP, (D-10) *(31 23 16 43-0002)*		
31 23 16 43-0035	BCY	Mass Excavation, D-10 Dozer, Light Material 700 HP With U-Blade, 150' Push, 495 CY/Hour	0.56	
31 23 16 43-0036	BCY	Mass Excavation, D-10 Dozer, Medium Material 700 HP With U-Blade 150' Push, 400 CY/Hour	0.70	
31 23 16 43-0037	BCY	Mass Excavation, D-10 Dozer, Wet/Loose Rock 700 HP With U-Blade, 150' Push, 305 CY/Hour	0.92	
31 23 16 43-0038	BCY	Mass Excavation, D-10 Dozer, Blasted Rock 700 HP With U-Blade, 150' Push, 245 CY/Hour	1.14	
31 23 16 43-0039		Dozing Distance Averages 300 Feet Push *(31 23 16 43-0001)*		
31 23 16 43-0040		Dozer With Blade, 65 HP, (D-3B) *(31 23 16 43-0039)*		
31 23 16 43-0041	BCY	Mass Excavation, D-3B Dozer, Light Material 65 HP With Blade, 12.5 CY/Hour, 300' Push	12.61	
31 23 16 43-0042	BCY	Mass Excavation, D-3B Dozer, Medium Material 65 HP With Blade, 10 CY/Hour, 300' Push	15.77	
31 23 16 43-0043		Dozer With Blade, 90 HP, (D-4H) *(31 23 16 43-0039)*		
31 23 16 43-0044	BCY	Mass Excavation, D-4H Dozer, Light Material 90 HP With Blade, 20 CY/Hour, 300' Push	7.72	
31 23 16 43-0045	BCY	Mass Excavation, D-4H Dozer, Medium Material 90 HP With Blade, 17.5 CY/Hour, 300' Push	8.82	
31 23 16 43-0046	BCY	Mass Excavation, D-4H Dozer, Loose Rock 90 HP With Blade, 15 CY/Hour, 300' Push	10.28	
31 23 16 43-0047		Dozer With Blade, 120 HP, (D-5H) *(31 23 16 43-0039)*		
31 23 16 43-0048	BCY	Mass Excavation, D-5H Dozer, Light Material 120 HP With Blade, 35 CY/Hour, 300' Push	4.62	
31 23 16 43-0049	BCY	Mass Excavation, D-5H Dozer, Medium Material 120 HP With Blade, 30 CY/Hour, 300' Push	5.39	
31 23 16 43-0050	BCY	Mass Excavation, D-5H Dozer, Loose Rock 120 HP With Blade, 25 CY/Hour, 300' Push	6.46	
31 23 16 43-0051		Dozer With Blade, 140 HP, (D-6D) *(31 23 16 43-0039)*		
31 23 16 43-0052	BCY	Mass Excavation, D-6D Dozer, Light Material 140 HP With Blade, 55 CY/Hour, 300' Push	3.46	
31 23 16 43-0053	BCY	Mass Excavation, D-6D Dozer, Medium Material 140 HP With Blade, 45 CY/Hour, 300' Push	4.23	
31 23 16 43-0054	BCY	Mass Excavation, D-6D Dozer, Loose Rock 140 HP With Blade, 35 CY/Hour, 300' Push	5.44	
31 23 16 43-0055		Dozer With U-Blade, 200 HP, (D-7G) *(31 23 16 43-0039)*		
31 23 16 43-0056	BCY	Mass Excavation, D-7G Dozer, Light Material 200 HP With U-Blade, 85 CY/Hour, 300' Push	2.40	
31 23 16 43-0057	BCY	Mass Excavation, D-7G Dozer, Medium Material 200 HP With U-Blade 65 CY/Hour, 300' Push	3.14	
31 23 16 43-0058	BCY	Mass Excavation, D-7G Dozer, Loose Rock 200 HP With U-Blade, 50 CY/Hour, 300' Push	4.08	
31 23 16 43-0059	BCY	Mass Excavation, D-7G Dozer, Blasted Rock 200 HP With U-Blade, 40 CY/Hour, 300' Push	5.09	
31 23 16 43-0060		Dozer With U-Blade, 335 HP, (D-8L) *(31 23 16 43-0039)*		
31 23 16 43-0061	BCY	Mass Excavation, D-8L Dozer, Light Material 335 HP With U-Blade, 145 CY/Hour, 300' Push	1.82	
31 23 16 43-0062	BCY	Mass Excavation, D-8L Dozer, Medium Material 335 HP With U-Blade 115 CY/Hour, 300' Push	2.29	
31 23 16 43-0063	BCY	Mass Excavation, D-8L Dozer, Loose Rock 335 HP With U-Blade, 90 CY/Hour, 300' Push	2.93	
31 23 16 43-0064	BCY	Mass Excavation, D-8L Dozer, Blasted Rock 335 HP With U-Blade, 70 CY/Hour, 300' Push	3.77	
31 23 16 43-0065		Dozer With U-Blade, 460 HP, (D-9L) *(31 23 16 43-0039)*		
31 23 16 43-0066	BCY	Mass Excavation, D-9L Dozer, Light Material 460 HP With U-Blade, 195 CY/Hour, 300' Push	1.31	
31 23 16 43-0067	BCY	Mass Excavation, D-9L Dozer, Medium Material 460 HP With U-Blade 160 CY/Hour, 300' Push	1.60	
31 23 16 43-0068	BCY	Mass Excavation, D-9L Dozer, Loose Rock 460 HP With U-Blade, 120 CY/Hour, 300' Push	2.13	
31 23 16 43-0069	BCY	Mass Excavation, D-9L Dozer, Blasted Rock 460 HP With U-Blade, 95 CY/Hour, 300' Push	2.69	
31 23 16 43-0070		Dozer With U-Blade, 700 HP, (D-10) *(31 23 16 43-0039)*		
31 23 16 43-0071	BCY	Mass Excavation, D-10 Dozer, Light Material 700 HP With U-Blade, 275 CY/Hour, 300' Push	1.01	
31 23 16 43-0072	BCY	Mass Excavation, D-10 Dozer, Medium Material 700 HP With U-Blade 220 CY/Hour, 300' Push	1.28	
31 23 16 43-0073	BCY	Mass Excavation, D-10 Dozer, Loose Rock 700 HP With U-Blade, 170 CY/Hour, 300' Push	1.65	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 43-0074	BCY	Mass Excavation, D-10 Dozer, Blasted Rock 700 HP With U-Blade, 135 CY/Hour, 300' Push	2.08	

31 23 16 43-0075 Dozing Distance Averages 450 Feet Push *(31 23 16 43-0001)*

31 23 16 43-0076 Dozer With U-Blade, 215 HP, (D-7G) *(31 23 16 43-0075)*

31 23 16 43-0077	BCY	Mass Excavation, D-7G Dozer, Light Material 215 HP With U-Blade, 75 CY/Hour, 450' Push	2.72	
31 23 16 43-0078	BCY	Mass Excavation, D-7G Dozer, Medium Material 215 HP With U-Blade 60 CY/Hour, 450' Push	3.40	
31 23 16 43-0079	BCY	Mass Excavation, D-7G Dozer, Loose Rock 215 HP With U-Blade, 45 CY/Hour, 450' Push	4.53	
31 23 16 43-0080	BCY	Mass Excavation, D-7G Dozer, Blasted Rock 215 HP With U-Blade, 35 CY/Hour, 450' Push	5.83	

31 23 16 43-0081 Dozer With U-Blade, 335 HP, (D-8L) *(31 23 16 43-0075)*

31 23 16 43-0082	BCY	Mass Excavation, D-8L Dozer, Light Material 335 HP With U-Blade, 105 CY/Hour, 450' Push	2.51	
31 23 16 43-0083	BCY	Mass Excavation, D-8L Dozer, Medium Material 335 HP With U-Blade 85 CY/Hour, 450' Push	3.11	
31 23 16 43-0084	BCY	Mass Excavation, D-8L Dozer, Loose Rock 335 HP With U-Blade, 65 CY/Hour, 450' Push	4.06	
31 23 16 43-0085	BCY	Mass Excavation, D-8L Dozer, Blasted Rock 335 HP With U-Blade, 50 CY/Hour, 450' Push	5.27	

31 23 16 43-0086 Dozer With U-Blade, 460 HP, (D-9L) *(31 23 16 43-0075)*

31 23 16 43-0087	BCY	Mass Excavation, D-9L Dozer, Light Material 460 HP With U-Blade, 145 CY/Hour, 450' Push	1.77	
31 23 16 43-0088	BCY	Mass Excavation, D-9L Dozer, Medium Material 460 HP With U-Blade 115 CY/Hour, 450' Push	2.22	
31 23 16 43-0089	BCY	Mass Excavation, D-9L Dozer, Loose Rock 460 HP With U-Blade, 90 CY/Hour, 450' Push	2.84	
31 23 16 43-0090	BCY	Mass Excavation, D-9L Dozer, Blasted Rock 460 HP With U-Blade, 70 CY/Hour, 450' Push	3.65	

31 23 16 43-0091 Dozer With U-Blade, 700 HP, (D-10) *(31 23 16 43-0075)*

31 23 16 43-0092	BCY	Mass Excavation, D-10 Dozer, Light Material 700 HP With U-Blade, 185 CY/Hour, 450' Push	1.51	
31 23 16 43-0093	BCY	Mass Excavation, D-10 Dozer, Medium Material 700 HP With U-Blade 150 CY/Hour, 450' Push	1.86	
31 23 16 43-0094	BCY	Mass Excavation, D-10 Dozer, Loose Rock 700 HP With U-Blade, 115 CY/Hour, 450' Push	2.43	
31 23 16 43-0095	BCY	Mass Excavation, D-10 Dozer, Blasted Rock 700 HP With U-Blade, 90 CY/Hour, 450' Push	3.11	

31 23 16 43-0096 Excavation By Push Loaded Scraper *(31 23 16 43)*

Note: Choose scraper capacity and cycle time.

31 23 16 43-0097 Self Propelled Scraper Capacity 9 BCY *(31 23 16 43-0096)*

31 23 16 43-0098	BCY	Excavation With Push Loaded Self Propelled Scraper 9 BCY, 9 Cycles Per Hour	3.12	

31 23 16 43-0099 Self Propelled Scraper Capacity 16 BCY *(31 23 16 43-0096)*

31 23 16 43-0100	BCY	Excavation With Push Loaded Self Propelled Scraper 16 BCY, 9 Cycles Per Hour	2.18	
31 23 16 43-0101	BCY	Excavation With Push Loaded Self Propelled Scraper 16 BCY, 6 Cycles Per Hour	3.28	
31 23 16 43-0102	BCY	Excavation With Push Loaded Self Propelled Scraper 16 BCY, 4.5 Cycles Per Hour	4.92	
31 23 16 43-0103	BCY	Roadway Excavation Scraper - Soil	2.18	
31 23 16 43-0104	BCY	Roadway Excavation Scraper - Sand	9.05	
31 23 16 43-0105	BCY	Roadway Excavation Scraper - Rock Borrow	12.52	
31 23 16 43-0106	BCY	Roadway Excavation Scraper - Rock No Borrow	8.56	

31 23 16 43-0107 Self Propelled Scraper Capacity 25 BCY *(31 23 16 43-0096)*

31 23 16 43-0108	BCY	Excavation With Push Loaded Self Propelled Scraper 25 BCY, 9 Cycles Per Hour	1.42	
31 23 16 43-0109	BCY	Excavation With Push Loaded Self Propelled Scraper 25 BCY, 6 Cycles Per Hour	2.14	
31 23 16 43-0110	BCY	Excavation With Push Loaded Self Propelled Scraper 25 BCY, 4.5 Cycles Per Hour	2.52	

31 23 16 43-0111 Self Propelled Scraper Capacity 35 BCY *(31 23 16 43-0096)*

31 23 16 43-0112	BCY	Excavation With Push Loaded Self Propelled Scraper 35 BCY, 9 Cycles Per Hour	1.08	
31 23 16 43-0113	BCY	Excavation With Push Loaded Self Propelled Scraper 35 BCY, 6 Cycles Per Hour	1.61	
31 23 16 43-0114	BCY	Excavation With Push Loaded Self Propelled Scraper 35 BCY, 4.5 Cycles Per Hour	2.17	

31 23 16 43-0115 Self Propelled Scraper Capacity 43 BCY *(31 23 16 43-0096)*

31 23 16 43-0116	BCY	Excavation With Push Loaded Self Propelled Scraper 43 BCY, 9 Cycles Per Hour	0.87	
31 23 16 43-0117	BCY	Excavation With Push Loaded Self Propelled Scraper 43 BCY, 6 Cycles Per Hour	1.30	
31 23 16 43-0118	BCY	Excavation With Push Loaded Self Propelled Scraper 43 BCY, 4.5 Cycles Per Hour	1.65	

31 23 16 46 Excavation Operations To Expose Underground Pipes And Structures *(31 23 16)*

Note: Includes work above, beside and under pipe. Pipes up to 82" in diameter. Use this section for trenching operations even if the total project volume exceeds 500 CY. Use tasks for work by hand only for areas not accessible by machine. See CSI section 31 23 16 13-0015 for loading excess material, 31 23 16 13-0018 for spreading excess material.

31 23 16 46-0001 Excavation To Expose Underground Pipe Or Structures *(31 23 16 46)*

Note: Includes stockpiling excess materials and trimming sides and bottom of trench. Excludes rock breaking.

31 23 16 46-0002 Excavation By Machine To Expose Underground Pipe Or Structure *(31 23 16 46-0001)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 46-0003	CY	Excavation By Hydraulic Excavator, Backhoe, Loader in Soil/Common Excavation To Expose Underground Pipes And Structures	10.08	
		For Excavation In Light Material (Class A), Deduct	*-1.26*	
		For Excavation In Heavy/Wet Material (Class C), Add	*4.03*	
		For Up To 20, Add	*10.08*	
		For >20 To 50, Add	*7.56*	
		For >50 To 250, Add	*4.03*	
		For >250 To 500, Add	*1.51*	
31 23 16 46-0004	CY	Excavation By Hydraulic Excavator, Backhoe, Loader in Loose Rock To Expose Underground Pipes And Structures	11.97	
		For Up To 20, Add	*11.97*	
		For >20 To 50, Add	*8.98*	
		For >50 To 250, Add	*4.79*	
		For >250 To 500, Add	*1.80*	

31 23 16 46-0005 Excavation By Hand To Expose Underground Pipe Or Structure *(31 23 16 46-0001)*

31 23 16 46-0006	CY	Excavation By Hand In Soil To Expose Underground Pipes And Structures Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	128.07	
31 23 16 46-0007	CY	Excavation By Hand In Loose Rock To Expose Underground Pipes And Structures Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	191.26	

31 23 16 46-0008 Backfilling Or Placing Subbase At Exposed Underground Pipe Or Structures *(31 23 16 46)*

Note: With imported or stockpiled materials

31 23 16 46-0009	CY	Backfilling By Hydraulic Excavator, Backhoe, Loader At Exposed Underground Pipes And Structures	7.57	
		For >20 To 50, Add	*5.68*	
		For >50 To 250, Add	*3.03*	
		For >250 To 500, Add	*1.14*	
31 23 16 46-0010	CY	Backfilling by Hand At Exposed Underground Pipes And Structures	58.06	

31 23 16 46-0011 Compaction Of Fill Or Subbase At Exposed Underground Pipe Or Structures *(31 23 16 46)*

Note: With imported or stockpiled materials

31 23 16 46-0012	CY	Compaction of Fill or Subbase by Mechanical Means At Exposed Underground Pipe Or Structures	11.85	
		For Up To 20, Add	*11.85*	
		For >20 To 50, Add	*8.89*	
		For >50 To 250, Add	*4.74*	
		For >250 To 500, Add	*1.78*	
31 23 16 46-0013	CY	Compaction of Fill or Subbase by Hand At Exposed Underground Pipe Or Structures	38.53	

31 23 19 Dewatering *(31 23)*

31 23 19 00-0001 Well Point Dewatering System *(31 23 19)*

31 23 19 00-0002 Delivery, Installation And Removal Cost *(31 23 19 00-0001)*

Note: Priced by linear foot of header used.

31 23 19 00-0003	LF	Up To 100' In Length Well Point System Delivery, Installation And Removal	97.71
31 23 19 00-0004	LF	>100' To 250' In Length Well Point System Delivery, Installation And Removal	53.75
31 23 19 00-0005	LF	>250' To 500' In Length Well Point System Delivery, Installation And Removal	48.86
31 23 19 00-0006	LF	>250' To 500' In Length Well Point System Delivery, Installation And Removal	43.97
31 23 19 00-0007	LF	>500' To 1,000' In Length Well Point System Delivery, Installation And Removal	39.09
31 23 19 00-0008	LF	>1,000' In Length Well Point System Delivery, Installation And Removal	34.20

31 23 19 00-0009 Well Point Dewatering System Rental *(31 23 19 00-0001)*

Note: Includes all necessary equipment for a well point system (well point with risers, pump, valves, header pipe, discharge pipe, etc.). Use normal adjustment factor only for rental tasks and modifiers. Unit of measure and modifier quantities are based on linear feet of header per day (ex. 200 ft of header for four days - quantity should be 200x4 or 800 ft). Rental days include weekends, when appropriate, regardless if the system is operational during that time. Use weekly modifier for system use of five days to less than a month. Use monthly modifier for system use of one month or greater. See CSI section 31 23 19 00-0002 for installation, 31 23 19 00-0015 for operational costs.

31 23 19 00-0010	LFD	Up To 100' In Length Well Point System Rental (LF x Days = Quantity)	1.10	
		For >5 Days And <1 Month, Deduct	*-0.24*	
		For >1 Month, Deduct	*-0.31*	
31 23 19 00-0011	LFD	>100' To 250' In Length Well Point System Rental (LF x Days = Quantity)	0.64	
		For >5 Days And <1 Month, Deduct	*-0.14*	
		For >1 Month, Deduct	*-0.18*	
31 23 19 00-0012	LFD	>250' To 500' In Length Well Point System Rental (LF x Days = Quantity)	0.46	
		For >5 Days And <1 Month, Deduct	*-0.10*	
		For >1 Month, Deduct	*-0.13*	
31 23 19 00-0013	LFD	>500' To 1,000' In Length Well Point System Rental (LF x Days = Quantity)	0.34	
		For >5 Days And <1 Month, Deduct	*-0.07*	
		For >1 Month, Deduct	*-0.10*	
31 23 19 00-0014	LFD	>1,000' In Length Well Point System Rental (LF x Days = Quantity)	0.31	
		For >5 Days And <1 Month, Deduct	*-0.07*	
		For >1 Month, Deduct	*-0.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 23 19 00-0015 **Well Point Dewatering System Operation Costs** *(31 23 19 00-0001)*
Note: The quantity for operation shall be the total number of hours the well point system is operational.
31 23 19 00-0016 HR Operation Costs 82.67

31 23 23 Fill *(31 23)*

31 23 23 23 Compaction *(31 23 23)*

31 23 23 23-0001 **Compaction Water, Water Truck And Operator** *(31 23 23 23)*
31 23 23 23-0002 MGL Compaction Water, Water Truck And Operator 148.61
Note: Use this task in situations where fill, base material, etc. requires additional moisture to comply with the compaction specification. Includes delivery up to 15 miles. (Per 1000 Gallons) See CSI section 01 22 23 00-1061 for water truck when water is available on site.

31 24 Embankments *(31 20)*

31 24 13 Roadway Embankments *(31 24)*

31 24 13 00-0001 **Roadway, Parking Areas, Landscaping And Embankment Excavation And Shaping Operations** *(31 24 13)*
Note: Use this section for excavation and shaping operations even if the total quantity for the project exceeds 500 CY. See CSI section 31 05 16 00-0000 for imported material, 32 12 16 00-0000 for asphalt paving, 32 13 13 00-0000 for concrete paving.

31 24 13 00-0002 **Cutting, Shaping And Rough Grading** *(31 24 13 00-0001)*
Note: For roadways, parking areas, landscaping, and embankments. Includes loading or stockpiling excess materials within 300' of initial cut.

31 24 13 00-0003 **Cutting, Shaping, And Rough Grading By Machine** *(31 24 13 00-0002)*
31 24 13 00-0004 CY Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Soil 4.81
For Up To 20, Add *4.81*
For >20 To 50, Add *3.61*
For >50 To 250, Add *1.92*
For >250 To 500, Add *0.72*
For >1,000, Deduct *-0.72*
31 24 13 00-0005 CY Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Loose Rock 5.97
For Up To 20, Add *5.97*
For >20 To 50, Add *4.48*
For >50 To 250, Add *2.39*
For >250 To 500, Add *0.90*
For >1,000, Deduct *-0.90*

31 24 13 00-0006 **Cutting, Shaping, And Rough Grading By Hand** *(31 24 13 00-0002)*
31 24 13 00-0007 SY Shape Embankment/Slope By Hand Up To 1 On 4 Slope 5.26
31 24 13 00-0008 SY Shape Embankment/Slope By Hand Greater Than 1 On 4 Slope 6.83

31 24 13 00-0009 **Scarify Soil** *(31 24 13 00-0001)*
Note: For roadways, parking areas, landscaping and embankments by machine.
31 24 13 00-0010 CSF Scarify Soil For Roadways, Parking Areas, Landscaping And Embankments By Machine 4.46
For Up To 20, Add *2.23*
For >20 To 50, Add *1.12*
For >250 To 500, Deduct *-0.45*
For >500, Deduct *-0.89*

31 24 13 00-0011 **Relocating On Site Excavated Material** *(31 24 13 00-0001)*
31 24 13 00-0012 CY >500' To 1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments 8.66
For Up To 20, Add *8.66*
For >20 To 50, Add *6.50*
For >50 To 250, Add *3.46*
For >250 To 500, Add *1.30*
For >1,000, Deduct *-1.30*
31 24 13 00-0013 CY >1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments 11.54
For Up To 20, Add *11.54*
For >20 To 50, Add *8.66*
For >50 To 250, Add *4.62*
For >250 To 500, Add *1.73*
For >1,000, Deduct *-1.73*

31 24 13 00-0014 **Spread And Shape Imported Or Stockpiled Material** *(31 24 13 00-0001)*
Note: For roadways, parking areas, landscaping and embankments.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 24 13 00-0015	CY	Spread And Shape Imported Or Stockpiled Material For Roadways, Parking Areas, Landscaping and Embankments	5.29	
		For Up To 20, Add	*5.29*	
		For >20 To 50, Add	*3.97*	
		For >50 To 250, Add	*2.12*	
		For >250 To 500, Add	*0.79*	
		For >1,000, Deduct	*-0.79*	

31 24 13 00-0016 Grading *(31 24 13 00-0001)*

Note: For roadways, parking areas, landscaping and embankments by machine.

31 24 13 00-0017	SY	Rough Grade Roadway, Parking Areas, Landscaping And Embankments By Machine	0.56
31 24 13 00-0018	SY	Finish Grade Roadway, Parking Areas, Landscaping And Embankments By Machine	0.76
31 24 13 00-0019	LF	Finish Grade For Curb	0.85
31 24 13 00-0020	LF	Finish Grade For Curb And Gutter	1.04

31 24 13 00-0021 Compaction Of Fill Or Subbase *(31 24 13 00-0001)*

Note: For roadways, parking areas, landscaping and embankments by machine, per lift.

31 24 13 00-0022	SY	Compaction Of Fill Or Subbase For Roadways, Parking Areas, Landscaping And Embankments By Machine Per Lift	0.49
		For Up To 250, Add	*0.49*
		For >250 To 500, Add	*0.37*
		For >500 To 1,000, Add	*0.20*
		For >5,000, Deduct	*-0.07*

31 24 13 00-0023 Loading Excess Material For Removal From Excavation *(31 24 13 00-0001)*

Note: For roadways, parking areas, landscaping and embankments by machine. Includes hand work by laborer for clean-up.

31 24 13 00-0024	CY	Load Excess Material For Removal For Roadways, Parking Areas, Landscaping and Embankments by Machine	4.15
		For Up To 20, Add	*4.15*
		For >20 To 50, Add	*3.11*
		For >50 To 250, Add	*1.66*
		For >250 To 500, Add	*0.62*
		For >1,000, Deduct	*-0.62*

31 25 Erosion And Sedimentation Controls *(31 20)*

31 25 14 Stabilization Measures For Erosion And Sedimentation Control *(31 25)*

31 25 14 13 Hydraulically-Applied Erosion Control *(31 25 14)*

31 25 14 13-0001 Bonded Fiber Matrix *(31 25 14 13)*

31 25 14 13-0002	MSF	Up To 25,000 SF Bonded Fiber Matrix, Hydraulically Applied	37.79
31 25 14 13-0003	MSF	>25,000 To 50,000 SF Bonded Fiber Matrix, Hydraulically Applied	34.25
31 25 14 13-0004	MSF	>50,000 To 100,000 SF Bonded Fiber Matrix, Hydraulically Applied	31.26
31 25 14 13-0005	MSF	>100,000 Bonded Fiber Matrix, Hydraulically Applied	29.56

31 25 14 16 Rolled Erosion Control Mats And Blankets *(31 25 14)*

31 25 14 16-0001 Erosion Control Blankets And Turf Reinforcement Mats *(31 25 14 16)*

31 25 14 16-0002 Erosion Control Blankets, Short Term, Light Duty *(31 25 14 16-0001)*

31 25 14 16-0003	SY	S75 Single Net Erosion Control Blanket Note: Straw matrix with degradable thread to a single standard photodegradable polypropylene netting as manufactured by North American Green.	1.35
31 25 14 16-0004	SY	S75BN Single Net Erosion Control Blanket Note: Straw Matrix with Biodegradable Thread to a Single Natural Fiber Netting as manufactured by North American Green.	1.59
31 25 14 16-0005	SY	Curlex 1, Single Net Erosion Control Blanket Note: As manufactured by American Excelsior	1.31
31 25 14 16-0006	SY	Curlex 1, Single Net Erosion Control Blanket Note: As manufactured by American Green.	1.35
31 25 14 16-0007	SY	Futerra Erosion Control Blanket, Wood Fibers With Biodegradable Netting	1.25

31 25 14 16-0008 Erosion Control Blankets, Intermediate Duration *(31 25 14 16-0001)*

31 25 14 16-0009	SY	S150 Double Net Erosion Control Blanket Note: Straw matrix with degradable thread to a double standard photodegradable polypropylene netting as manufactured by North American Green.	1.71
31 25 14 16-0010	SY	S150 BN Double Net Erosion Control Blanket Note: Straw matrix with biodegradable thread to a double natural fiber netting as manufactured by North American Green.	2.09
31 25 14 16-0011	SY	Curlex II, Double Net Erosion Control Blanket, Natural Note: As manufactured by American Excelsior.	1.53
31 25 14 16-0012	SY	Curlex II, Double Net Erosion Control Blanket, Green Note: As manufactured by American Excelsior.	1.57
31 25 14 16-0013	SY	Enforcer Double Net Erosion Control Blanket Note: As manufactured by American Excelsior.	1.64

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 16-0014			Turf Reinforcement Mats (TRM) *(31 25 14 16-0001)*		
			Note: Permanent, UV stabilized.		
	31 25 14 16-0015	SY	P300 Permanent Polypropylene Turf Reinforcement Mat	8.31	
			Note: 100% synthetic, UV stabilized, two layer netting.		
	31 25 14 16-0016	SY	C350 Permanent Turf Reinforcement Mat	7.72	
			Note: 100% synthetic, UV stabilized netting incorporating natural coconut fibers as manufactured by North American Green.		
	31 25 14 16-0017	SY	Recyclex TRM, Permanent Turf Reinforcement Mat.	6.42	
			Note: As manufactured by American Excelsior, 100% recycled		
31 25 14 16-0018			Jute Mesh Erosion Control Blankets *(31 25 14 16-0001)*		
	31 25 14 16-0019	SY	Jute Mesh, Open Uniform Weave	1.45	
31 25 14 16-0020			Revegetation Mat *(31 25 14 16-0001)*		
	31 25 14 16-0021	SY	3-Dimensional Webbed Revegetation Mat, Polyolefin Fiber	5.87	
			Note: Polyolefin fibers oriented and mechanically bonded between two nets. Landlok TRM 450 or equal.		
	31 25 14 16-0022	SY	Webbed Revegetation Mat, Polypropylene Fiber	8.32	
			Note: Polypropylene fibers positioned between two high strength biaxially oriented nets and mechanically held together by parallel stitching with polypropylene thread. Landlok TRM 1060 or equal.		

31 25 14 23 Stabilization Measures For Erosion Control *(31 25 14)*

Note: Includes all erosion control blankets and turf reinforcement mats staples or stakes. See CSI section 01 74 19 00-0038 for hauling greater than 15 miles.

31 25 14 23-0001			Sand And Gravel Bags *(31 25 14 23)*		
			Note: Bags filled on site with delivered material. Includes material and placement of bags.		
	31 25 14 23-0002	BAG	50 LB Capacity Sand Bag With Sand	3.68	
			For >2,500 To 5,000, Deduct	*-0.29*	
			For >5,000, Deduct	*-0.65*	
	31 25 14 23-0003	BAG	33 LB Capacity Gravel Bag With 5/16" To 3/4" Gravel	3.97	
			For >2,500 To 5,000, Deduct	*-0.29*	
			For >5,000, Deduct	*-0.68*	
	31 25 14 23-0004	BAG	Bag Removal	1.90	
31 25 14 23-0005			Turbidity Curtain *(31 25 14 23)*		
			Note: Type 2 curtain.		
	31 25 14 23-0006	LF	3' High Turbidity Curtain	17.58	
	31 25 14 23-0007	LF	4' High Turbidity Curtain	19.03	
	31 25 14 23-0008	LF	5' High Turbidity Curtain	21.01	
	31 25 14 23-0009	LF	6' High Turbidity Curtain	22.71	
	31 25 14 23-0010	LF	7' High Turbidity Curtain	23.83	
	31 25 14 23-0011	LF	8' High Turbidity Curtain	24.96	
	31 25 14 23-0012	LF	9' High Turbidity Curtain	26.26	
	31 25 14 23-0013	LF	10' High Turbidity Curtain	28.03	
	31 25 14 23-0014	LF	12' High Turbidity Curtain	29.46	
	31 25 14 23-0015	LF	13' High Turbidity Curtain	31.34	
	31 25 14 23-0016	LF	14' High Turbidity Curtain	33.12	
	31 25 14 23-0017	LF	15' High Turbidity Curtain	34.84	
	31 25 14 23-0018	LF	16' High Turbidity Curtain	37.84	
	31 25 14 23-0019	LF	17' High Turbidity Curtain	39.69	
	31 25 14 23-0020	LF	18' High Turbidity Curtain	41.49	
	31 25 14 23-0021	LF	19' High Turbidity Curtain	43.39	
	31 25 14 23-0022	LF	20' High Turbidity Curtain	45.25	
31 25 14 23-0023			Filter Bags *(31 25 14 23)*		
31 25 14 23-0024			Non-Woven Filter Bags *(31 25 14 23-0023)*		
	31 25 14 23-0025	EA	6' x 15' Non-Woven Filter Bag	130.41	
	31 25 14 23-0026	EA	13' x 15' Non-Woven Filter Bag	188.06	
	31 25 14 23-0027	EA	15' x 15' Non-Woven Filter Bag	216.98	
31 25 14 23-0028			Monofilament Filter Bags *(31 25 14 23-0023)*		
	31 25 14 23-0029	EA	5' x 15' Monofilament Filter Bag	135.36	
	31 25 14 23-0030	EA	10' x 15' Monofilament Filter Bag	186.64	
31 25 14 23-0031			Cable Articulating Concrete Block *(31 25 14 23)*		
			Note: 4000 PSI Compressive strength, 12 LB/CF maximum absorption. Interlocking block with longitudinal revetment cable and fill. Includes anchoring block to 12" x 12" x 6" concrete pier every 5' with anchor.		
	31 25 14 23-0032	SF	4.75" Open Cell Articulated Concrete Block With Earth Backfill	29.90	
			For Gravel Fill, Add	*0.67*	
			For Up To 500, Add	*6.85*	
			For >500 To 1,000, Add	*3.86*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 23-0033	SF	6" Open Cell Articulated Concrete Block With Earth Backfill	33.97	
		For Gravel Fill, Add	*0.76*	
		For Up To 500, Add	*7.75*	
		For >500 To 1,000, Add	*4.35*	
31 25 14 23-0034	SF	7.5" Open Cell Articulated Concrete Block With Earth Backfill	38.65	
		For Gravel Fill, Add	*0.86*	
		For Up To 500, Add	*8.78*	
		For >500 To 1,000, Add	*4.91*	
31 25 14 23-0035	SF	9" Open Cell Articulated Concrete Block With Earth Backfill	43.49	
		For Gravel Fill, Add	*0.96*	
		For Up To 500, Add	*9.86*	
		For >500 To 1,000, Add	*5.51*	
31 25 14 23-0036	SF	4.75" Closed Cell Articulated Concrete Block	31.78	
		For Up To 500, Add	*7.23*	
		For >500 To 1,000, Add	*4.05*	
31 25 14 23-0037	SF	6" Closed Cell Articulated Concrete Block	36.22	
		For Up To 500, Add	*8.20*	
		For >500 To 1,000, Add	*4.57*	
31 25 14 23-0038	SF	7.5" Closed Cell Articulated Concrete Block	41.31	
		For Up To 500, Add	*9.31*	
		For >500 To 1,000, Add	*5.18*	
31 25 14 23-0039	SF	9" Closed Cell Articulated Concrete Block	46.53	
		For Up To 500, Add	*10.47*	
		For >500 To 1,000, Add	*5.82*	

31 25 14 26 Stabilization Measures For Sedimentation Control *(31 25 14)*

31 25 14 26-0001 Silt Fences And Dike Barriers *(31 25 14 26)*

Note: Includes stakes, embedding and removal after use.

31 25 14 26-0002 Silt Fences 2' High *(31 25 14 26-0001)*

31 25 14 26-0003	LF	2' High Silt Fence with Stakes at 4' On Center	2.20
31 25 14 26-0004	LF	2' High Silt Fence with Stakes at 6' On Center	1.70
31 25 14 26-0005	LF	2' High Silt Fence with Stakes at 8' On Center	1.20
31 25 14 26-0006	LF	2' High Silt Fence with Stakes at 10' On Center	1.02

31 25 14 26-0007 Silt Fences 3' High *(31 25 14 26-0001)*

31 25 14 26-0008	LF	3' High Silt Fence with Stakes at 4' On Center	2.10
31 25 14 26-0009	LF	3' High Silt Fence with Stakes at 6' On Center	1.75
31 25 14 26-0010	LF	3' High Silt Fence with Stakes at 8' On Center	1.13
31 25 14 26-0011	LF	3' High Silt Fence with Stakes at 10' On Center	1.06

31 25 14 26-0012 Silt Dike Barrier *(31 25 14 26-0001)*

31 25 14 26-0013	LF	Silt Dike Barrier With Stakes	2.38

31 25 14 26-0014 Hay And Straw Bales *(31 25 14 26)*

Note: Includes stakes and removal after use.

31 25 14 26-0015	LF	Place And Remove Straw Bales	3.41
		Note: Includes securing in ground with stakes.	
31 25 14 26-0016	LF	Place And Remove Hay Bales	3.22
		Note: Includes securing in ground with stakes.	

31 25 14 26-0017 Sediment Logs *(31 25 14 26)*

31 25 14 26-0018 Sediment Logs *(31 25 14 26-0017)*

Note: Includes stakes and removal after use. Curlex sediment logs as manufactured by American Excelsior.

31 25 14 26-0019	LF	12" Sediment Log	9.70
31 25 14 26-0020	LF	20" Sediment Log	11.75

31 25 14 26-0021 Wattles *(31 25 14 26-0017)*

Note: Includes trench for placement, 24" wood staking at 4' O.C.

31 25 14 26-0022	EA	Wattles (Sterile Straw Filled Rolls), 9" x 25'	129.80
31 25 14 26-0023	EA	Wattles (Sterile Straw Filled Rolls), 12" x 18'	123.42

31 25 14 26-0024 Inlet Protection Sediment Bags *(31 25 14 26)*

Note: Includes removal, cleaning, and replacement per each location.

31 25 14 26-0025	EA	2' x 2' x 3' Inlet Protection Sediment Bag	41.34
31 25 14 26-0026	EA	2' x 3' x 3' Inlet Protection Sediment Bag	50.97
31 25 14 26-0027	EA	2' x 4' x 3' Inlet Protection Sediment Bag	62.00

31 30 Earthwork Methods *(31)*

31 31 Soil Treatment *(31 30)*

31 31 16 Termite Control *(31 31)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 31 16 13		**Chemical Termite Control** *(31 31 16)*		
31 31 16 13-0001		Commercial Use *(31 31 16 13)*		
31 31 16 13-0002	SF	Termite Pretreatment, Commercial Soil Poisoning Under Slab	0.67	
31 31 16 13-0003	SF	Termite Pretreatment, Commercial Slab And Walls	0.67	
31 31 16 13-0004		Residential Use *(31 31 16 13)*		
31 31 16 13-0005	SF	Termite Pretreatment, Residential General Spraying Walls And Slab	0.67	
31 31 16 13-0006	SF	Termite Treatment, Existing Residential Structure	0.93	
31 31 19		**Vegetation Control** *(31 31)*		
31 31 19 13		**Chemical Vegetation Control** *(31 31 19)*		
31 31 19 13-0001		Soil Sterilants *(31 31 19 13)*		
31 31 19 13-0002	MSF	Soil Sterilant Note: Use only in areas where complete control of all vegetation is desired, such as industrial sites, right-of-way, lumberyards, petroleum tank farms, around farm buildings, along fence lines, etc. When applied to the soil, this product usually inhibits plant growth for a year or more.	18.63	
		For >45 To 90, Deduct	*-0.35*	
		For >90 To 225, Deduct	*-1.64*	
		For >225, Deduct	*-2.34*	
31 32		Soil Stabilization *(31 30)*		
31 32 13		**Soil Mixing Stabilization** *(31 32)*		
31 32 13 16		**Cement Soil Stabilization** *(31 32 13)*		
31 32 13 16-0001	CY	Cementitious Soil Binder, 4% Cement Mix By Volume	27.75	
31 32 13 16-0002	CY	Cementitious Soil Binder, 5% Cement Mix By Volume	30.07	
31 32 13 16-0003	CY	Cementitious Soil Binder, 6% Cement Mix By Volume	31.87	
31 32 13 16-0004	CY	Cementitious Soil Binder, 7% Cement Mix By Volume	34.11	
31 32 13 16-0005	CY	Cementitious Soil Binder, 9% Cement Mix By Volume	38.67	
31 32 13 16-0006	CY	Cementitious Soil Binder, 12% Cement Mix By Volume	45.36	
31 32 13 19		**Lime Soil Stabilization** *(31 32 13)* Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. The price excludes the cost for spreading or backfilling. See CSI section 01 74 19 00-0038 for hauling greater than 15 miles.		
31 32 13 19-0001		Lime Slurry *(31 32 13 19)*		
31 32 13 19-0002	LCY	Soil Stabilization With Lime Slurry 10% Lime Slurry By Volume	23.30	
31 32 13 19-0003	TON	Cement Stabilized Base Material	42.30	
31 32 13 19-0004	CWT	Lime For Soil Stabilization Note: Excludes the cost for spreading or backfilling	5.99	
31 32 13 19-0005	LCY	Roller, Grader - Lime Stabilization	12.74	
31 32 13 19-0006	LCY	Roller, Grader - Cement Stabilization	2.91	
31 32 13 19-0007		Lime Stabilized Subgrade *(31 32 13 19)* Note: Based on soil weight of 110 LB/CF using lime weight of 5.5 LB/CF (5%).		
31 32 13 19-0008	SY	6" Thick Lime Stabilized Subgrade, 25 LB	5.82	
		For 4% Lime Instead Of 5%, Deduct	*-0.11*	
		For 6% Lime Instead Of 5%, Add	*0.11*	
31 32 13 19-0009	SY	7" Thick Lime Stabilized Subgrade, 29 LB	6.76	
		For 4% Lime Instead Of 5%, Deduct	*-0.12*	
		For 6% Lime Instead Of 5%, Add	*0.12*	
31 32 13 19-0010	SY	8" Thick Lime Stabilized Subgrade, 33 LB	7.72	
		For 4% Lime Instead Of 5%, Deduct	*-0.14*	
		For 6% Lime Instead Of 5%, Add	*0.14*	
31 32 13 29		**Liquid Soil Stabilization** *(31 32 13)*		
31 32 13 29-0001	GAL	Polyacrylamide And Calcium Solution	1.94	
31 32 19		**Geosynthetic Soil Stabilization And Layer Separation** *(31 32)*		
31 32 19 13		**Geogrid Soil Stabilization** *(31 32 19)*		
31 32 19 13-0001		Geogrid Fabrics *(31 32 19 13)* Note: For reinforcement of over steepened earth slopes, segmental retaining walls and other mechanically stabilized earth applications.		
31 32 19 13-0002	SY	5.3 Oz/SY, 1,700 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-150)	2.22	
		For Up To 50, Add	*0.53*	
		For >50 To 150, Add	*0.39*	
		For >150 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.13*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 13-0003	SY	6.9 Oz/SY, 3,100 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-300)	2.53	
		For Up To 50, Add	*0.60*	
		For >50 To 150, Add	*0.44*	
		For >150 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.14*	
31 32 19 13-0004	SY	8.7 Oz/SY, 4,280 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-500)	2.74	
		For Up To 50, Add	*0.64*	
		For >50 To 150, Add	*0.47*	
		For >150 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.15*	
31 32 19 13-0005	SY	12.6 Oz/SY, 7,315 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-800)	3.89	
		For Up To 50, Add	*0.87*	
		For >50 To 150, Add	*0.65*	
		For >150 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.21*	
31 32 19 13-0006	SY	14.1 Oz/SY, 9,790 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-1000)	4.44	
		For Up To 50, Add	*0.99*	
		For >50 To 150, Add	*0.73*	
		For >150 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.24*	
31 32 19 13-0007	SY	4.3 Oz/SY, 1,658 LB/FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 20)	2.25	
		For Up To 50, Add	*0.53*	
		For >50 To 150, Add	*0.39*	
		For >150 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.13*	
31 32 19 13-0008	SY	5.9 Oz/SY, 2,192 LB/FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 30)	3.27	
		For Up To 50, Add	*0.74*	
		For >50 To 150, Add	*0.55*	
		For >150 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.18*	

31 32 19 16 Geotextile Soil Stabilization *(31 32 19)*

31 32 19 16-0001 Nonwoven Polypropylene Geotextiles *(31 32 19 16)*

Note: For drainage, filtration and separation.

31 32 19 16-0002	SY	3.0 Oz/SY, 40 Mil, 80 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-30HS)	0.70	
		For Up To 50, Add	*0.17*	
		For >50 To 150, Add	*0.13*	
		For >150 To 250, Add	*0.08*	
		For >250 To 500, Add	*0.04*	
31 32 19 16-0003	SY	3.5 Oz/SY, 50 Mil, 95 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-35HS)	0.75	
		For Up To 50, Add	*0.18*	
		For >50 To 150, Add	*0.13*	
		For >150 To 250, Add	*0.09*	
		For >250 To 500, Add	*0.04*	
31 32 19 16-0004	SY	4.0 Oz/SY, 60 Mil, 115 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-40HS)	0.81	
		For Up To 50, Add	*0.20*	
		For >50 To 150, Add	*0.14*	
		For >150 To 250, Add	*0.09*	
		For >250 To 500, Add	*0.05*	
31 32 19 16-0005	SY	4.5 Oz/SY, 55 Mil, 120 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-45HS)	0.86	
		For Up To 50, Add	*0.21*	
		For >50 To 150, Add	*0.15*	
		For >150 To 250, Add	*0.10*	
		For >250 To 500, Add	*0.05*	
31 32 19 16-0006	SY	6.0 Oz/SY, 70 Mil, 160 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-60HS)	1.01	
		For Up To 50, Add	*0.24*	
		For >50 To 150, Add	*0.17*	
		For >150 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.06*	
31 32 19 16-0007	SY	7.0 Oz/SY, 85 Mil, 180 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-70HS)	1.20	
		For Up To 50, Add	*0.28*	
		For >50 To 150, Add	*0.21*	
		For >150 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.07*	
31 32 19 16-0008	SY	8.0 Oz/SY, 85 Mil, 205 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-80HS)	1.31	
		For Up To 50, Add	*0.30*	
		For >50 To 150, Add	*0.22*	
		For >150 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
31 32 19 16-0009	SY	10 Oz/SY, 115 Mil, 250 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-100HS)	1.60	
		For Up To 50, Add	*0.36*	
		For >50 To 150, Add	*0.27*	
		For >150 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.09*	

31 32 19 16-0010 Woven Geotextiles Fabric *(31 32 19 16)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 16-0011	SY	200 LB Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-55)	0.99	
		For Up To 50, Add	*0.23*	
		For >50 To 150, Add	*0.17*	
		For >150 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.06*	
31 32 19 16-0012	SY	315 LB Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-66)	1.37	
		For Up To 50, Add	*0.31*	
		For >50 To 150, Add	*0.23*	
		For >150 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
31 32 19 16-0013	SY	4 To 6% Open Area, 370 x 250 LB Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 6%)	2.40	
		For Up To 50, Add	*0.52*	
		For >50 To 150, Add	*0.39*	
		For >150 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.13*	
31 32 19 16-0014	SY	11 To 15% Open Area, 370 x 220 LB Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 15%)	2.34	
		For Up To 50, Add	*0.51*	
		For >50 To 150, Add	*0.38*	
		For >150 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.12*	
31 32 19 16-0015	SY	6.9 Oz/SY, 250 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-250TF)	2.05	
		For Up To 50, Add	*0.45*	
		For >50 To 150, Add	*0.34*	
		For >150 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.11*	
31 32 19 16-0016	SY	9.1 Oz/SY, 333 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-330TF)	2.19	
		For Up To 50, Add	*0.48*	
		For >50 To 150, Add	*0.36*	
		For >150 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.12*	
31 32 19 16-0017	SY	12.1 Oz/SY, 400 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-400TF)	2.78	
		For Up To 50, Add	*0.60*	
		For >50 To 150, Add	*0.45*	
		For >150 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.15*	
31 32 19 16-0018	SY	12.1 Oz/SY, 400 LB/IN Wide Width Tensile Ultimate Woven Monofilament And Fibrillated Geotextile Fabric (Carthage Mills FX-400MF)	3.94	
		For Up To 50, Add	*0.83*	
		For >50 To 150, Add	*0.62*	
		For >150 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.20*	

31 32 19 16-0019 Geomembranes *(31 32 19 16)*

31 32 19 16-0020 Polyvinyl Chloride (PVC) Geomembrane *(31 32 19 16-0019)*

31 32 19 16-0021	SF	20 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	0.80
31 32 19 16-0022	SF	30 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	0.91
31 32 19 16-0023	SF	40 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.10
31 32 19 16-0024	SF	50 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.30
31 32 19 16-0025	SF	60 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.48
31 32 19 16-0026	SF	70 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.62
31 32 19 16-0027	SF	80 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.75
31 32 19 16-0028	SF	90 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.92
31 32 19 16-0029	SF	100 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.10

31 32 19 16-0030 High Density Polyethylene (HDPE) Geomembrane *(31 32 19 16-0019)*

31 32 19 16-0031	SF	20 Mil High Density Polyethylene Membrane (US Fabrics)	0.57
31 32 19 16-0032	SF	30 Mil High Density Polyethylene Membrane (US Fabrics)	0.77
31 32 19 16-0033	SF	40 Mil High Density Polyethylene Membrane (US Fabrics)	0.90
31 32 19 16-0034	SF	50 Mil High Density Polyethylene Membrane (US Fabrics)	1.49
31 32 19 16-0035	SF	60 Mil High Density Polyethylene Membrane (US Fabrics)	1.15
31 32 19 16-0036	SF	80 Mil High Density Polyethylene Membrane (US Fabrics)	1.43
31 32 19 16-0037	SF	100 Mil High Density Polyethylene Membrane (US Fabrics)	1.70
31 32 19 16-0038	SF	120 Mil High Density Polyethylene Membrane (US Fabrics)	3.08
31 32 19 16-0039	SF	140 Mil High Density Polyethylene Membrane (US Fabrics)	3.19

31 32 19 26 Geoweb Cellular Confinement System *(31 32 19)*

Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.

31 32 19 26-0001 Geoweb Cellular Confinement System *(31 32 19 26)*

Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.

31 32 19 26-0002	SF	4" Geoweb Cellular Confinement System (Presto Geosystems)	4.24
		For >20,000, Deduct	*-0.08*
		For >2:1 Slope, Add	*0.90*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 26-0003	SF	6" Geoweb Cellular Confinement System (Presto Geosystems)	4.92	
		For >20,000, Deduct	*-0.11*	
		For >2:1 Slope, Add	*0.90*	
31 32 19 26-0004	SF	8" Geoweb Cellular Confinement System (Presto Geosystems)	5.73	
		For >20,000, Deduct	*-0.15*	
		For >2:1 Slope, Add	*0.90*	

31 36 Gabions *(31 30)*

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, unloading and placing. See CSI section 01 74 19 00-0038 for hauling greater than 15 miles.

31 36 13 Gabion Boxes *(31 36)*

31 36 13 00-0001 Stone Filled Gabion Slope Protection *(31 36 13)*

Note: Machine placed by SY of total top face area for depth indicated.

31 36 13 00-0002	SY	6" Deep Stone Filled Gabion Slope Protection	53.81
31 36 13 00-0003	SY	9" Deep Stone Filled Gabion Slope Protection	63.67
31 36 13 00-0004	SY	12" Deep Stone Filled Gabion Slope Protection	77.16
31 36 13 00-0005	SY	15" Deep Stone Filled Gabion Slope Protection	91.00
31 36 13 00-0006	SY	18" Deep Stone Filled Gabion Slope Protection	106.81
31 36 13 00-0007	SY	24" Deep Stone Filled Gabion Slope Protection	146.31
31 36 13 00-0008	SY	36" Deep Stone Filled Gabion Slope Protection	185.05

31 37 Riprap *(31 30)*

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, and dumping. See CSI section 01 74 19 00-0038 for hauling greater than 15 miles.

31 37 00 00-0001 Random - Filter Stone *(31 37)*

31 37 00 00-0002	CY	10 To 50 LB Average Pieces Random, Dumped From Truck, Rip Rap	41.86
		For Chinking Material, Add	*13.02*
31 37 00 00-0003	CY	>50 To 100 LB Average Pieces Random, Dumped From Truck, Rip Rap	48.17
		For Chinking Material, Add	*13.02*
31 37 00 00-0004	CY	>100 To 200 LB Average Pieces Random, Dumped From Truck, Rip Rap	51.15
		For Chinking Material, Add	*13.02*
31 37 00 00-0005	CY	>200 To 300 LB Average Pieces Random, Dumped From Truck, Rip Rap	54.53
		For Chinking Material, Add	*13.02*
31 37 00 00-0006	CY	>300 To 600 LB Average Pieces Random, Dumped From Truck, Rip Rap	57.27
		For Chinking Material, Add	*13.02*
31 37 00 00-0007	CY	>600 LB Average Pieces Random, Dumped From Truck, Rip Rap	61.73
31 37 00 00-0008	CY	3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap	76.29
31 37 00 00-0009	TON	10 To 50 LB Average Pieces Random, Dumped From Truck, Rip Rap	27.97
31 37 00 00-0010	TON	>50 To 100 LB Average Pieces Random, Dumped From Truck, Rip Rap	31.98
31 37 00 00-0011	TON	>100 To 200 LB Average Pieces Random, Dumped From Truck, Rip Rap	33.87
31 37 00 00-0012	TON	>200 To 300 LB Average Pieces Random, Dumped From Truck, Rip Rap	36.02
31 37 00 00-0013	TON	>300 To 600 LB Average Pieces Random, Dumped From Truck, Rip Rap	37.75
31 37 00 00-0014	TON	>600 LB Average Pieces Random, Dumped From Truck, Rip Rap	40.62
31 37 00 00-0015	TON	3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap	52.01

31 40 Shoring And Underpinning *(31)*

31 41 Shoring *(31 40)*

31 41 13 Timber Shoring *(31 41)*

31 41 13 00-0001 Wood Sheet Piling *(31 41 13)*

31 41 13 00-0002 Pull And Salvage *(31 41 13 00-0001)*

Note: Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-backs (rock bolting) where required.

31 41 13 00-0003	SF	Wood Shoring, 8' Deep Excavation, Pull And Salvage	10.24
		For Wood Sheeting Left In Place	*-0.91*
31 41 13 00-0004	SF	Wood Shoring, 10' Deep Excavation, Pull And Salvage	11.07
		For Wood Sheeting Left In Place	*-1.07*
31 41 13 00-0005	SF	Wood Shoring, 12' Deep Excavation, Pull And Salvage	12.00
		For Wood Sheeting Left In Place	*-1.25*
31 41 13 00-0006	SF	Wood Shoring, 14' Deep Excavation, Pull And Salvage	12.99
		For Wood Sheeting Left In Place	*-1.45*
31 41 13 00-0007	SF	Wood Shoring, 16' Deep Excavation, Pull And Salvage	14.07
		For Wood Sheeting Left In Place	*-1.66*
31 41 13 00-0008	SF	Wood Shoring, 18' Deep Excavation, Pull And Salvage	15.24
		For Wood Sheeting Left In Place	*-1.90*
31 41 13 00-0009	SF	Wood Shoring, 20' Deep Excavation, Pull And Salvage	16.52
		For Wood Sheeting Left In Place	*-2.17*

31 41 16 Sheet Piling *(31 41)*

31 41 16 13 Steel Sheet Piling *(31 41 16)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 41 16 13-0001		Standard Carbon Grade Steel Sheeting - Pull And Salvage *(31 41 16 13)* Note: Up to 3 months. 38.5 KSI steel per SF minimum. PSF indicated is for the weight of the material per square foot. Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-backs (rock bolting) where required.		
31 41 16 13-0002	TON	Shoring For 15' Excavation, 22 PSF Steel Sheeting, Pull And Salvage	1,619.62	
		For Standard Sheeting Left In Place, Add	*848.30*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	*1,212.27*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*90.99*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*101.10*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	*313.42*	
		For Each Additional Month >3 Months, Add	*50.55*	
31 41 16 13-0003	TON	Shoring For 20' Excavation, 27 PSF Steel Sheeting, Pull And Salvage	1,679.64	
		For Standard Sheeting Left In Place, Add	*818.29*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	*1,182.26*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*90.99*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*101.10*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	*313.42*	
		For Each Additional Month >3 Months, Add	*50.55*	
31 41 16 13-0004	TON	Shoring For 25' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	1,958.70	
		For Standard Sheeting Left In Place, Add	*678.76*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	*1,042.73*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*90.99*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*101.10*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	*313.42*	
		For Each Additional Month >3 Months, Add	*50.55*	
31 41 16 13-0005	TON	Shoring For 30' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	2,227.21	
		For Standard Sheeting Left In Place, Add	*544.50*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	*908.48*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*90.99*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*101.10*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	*313.42*	
		For Each Additional Month >3 Months, Add	*50.55*	
31 41 16 13-0006	TON	Shoring For 35' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	2,385.17	
		For Standard Sheeting Left In Place, Add	*465.52*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	*829.50*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*90.99*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*101.10*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	*313.42*	
		For Each Additional Month >3 Months, Add	*50.55*	
31 41 16 13-0007	TON	Shoring For 40' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	2,546.29	
		For Standard Sheeting Left In Place, Add	*384.96*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	*748.94*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*90.99*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*101.10*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	*313.42*	
		For Each Additional Month >3 Months, Add	*50.55*	

31 45 Vibroflotation And Densification *(31 40)*

31 45 13 Vibroflotation *(31 45)*

31 45 13 00-0001	LCY	Soil Stabilization, Vibroflotation	10.65

31 48 Underpinning *(31 40)*

31 48 33 Micropile Underpinning *(31 48)*

31 48 33 00-0001 Augered Micro-Pile And Grout System *(31 48 33)*

31 48 33 00-0002	EA	Micro-Pile Mobilization Per Job	1,799.31
31 48 33 00-0003	EA	Relocate And Set-up Micro-Pile Equipment At New Pile Cap Location	449.83
31 48 33 00-0004	VLF	Auger 8" Diameter Hole, Insert GEWI Micro-Pile And Grout Void Note: Includes GEWI piles, threadbar extensions, couplers, spacers, top nut and steel bearing plate.	228.66
31 48 33 00-0005	VLF	Auger 8" Diameter Hole, Insert GEWI Micro-Pile And Grout Void - Indoor Note: Includes GEWI piles, threadbar extensions, couplers, spacers, top nut and steel bearing plate.	284.89
31 48 33 00-0006	EA	Pile Load Test	2,249.13

31 50 Excavation Support And Protection *(31)*

31 52 Cofferdams *(31 50)*

31 52 21 Portable Cofferdams *(31 52)*

31 52 21 00-0001 Portable Cofferdam *(31 52 21)*

Note: Excludes dewatering and pumps.

31 52 21 00-0002 Portable Cofferdam Rental *(31 52 21 00-0001)*

Note: Excludes delivery and installation.

31 52 21 00-0003	LF	3' High x 7' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	25.00
31 52 21 00-0004	LF	4' High x 9' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	32.00

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 52 21 00-0005	LF	5' High x 11' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	45.00	
31 52 21 00-0006	LF	6' High x 13' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	58.00	
31 52 21 00-0007	LF	8' High x 17' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	75.00	
31 52 21 00-0008	LF	10' High x 21' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	150.00	
31 52 21 00-0009	LF	12' High x 25' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	210.00	
31 52 21 00-0010	LF	16' High x 33' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	297.00	

31 52 21 00-0011 Portable Cofferdam Delivery And Set-up *(31 52 21 00-0001)*

Note: Excludes crane usage where required.

31 52 21 00-0012	LF	Up To 5' High, Portable Cofferdam, Delivery And Set-up In Dynamic (Rivers Or Streams) Water	8.54	
31 52 21 00-0013	LF	6' To 8' High, Portable Cofferdam, Delivery And Set-up In Dynamic (Rivers Or Streams) Water	13.66	
31 52 21 00-0014	LF	10' To 12' High, Portable Cofferdam, Delivery And Set-up In Dynamic (Rivers Or Streams) Water	20.50	
31 52 21 00-0015	LF	16' High, Portable Cofferdam, Delivery And Set-up In Dynamic (Rivers Or Streams) Water	27.33	
31 52 21 00-0016	LF	Up To 5' High, Portable Cofferdam, Delivery And Set-up In Static (Lakes Or Ponds) Water	5.13	
31 52 21 00-0017	LF	6' To 8' High, Portable Cofferdam, Delivery And Set-up In Static (Lakes Or Ponds) Water	8.54	
31 52 21 00-0018	LF	10' To 12' High, Portable Cofferdam, Delivery And Set-up In Static (Lakes Or Ponds) Water	13.66	
31 52 21 00-0019	LF	16' High, Portable Cofferdam, Delivery And Set-up In Static (Lakes Or Ponds) Water	18.79	

31 52 21 00-0020 Portable Cofferdam Repositioning *(31 52 21 00-0001)*

31 52 21 00-0021	LF	Up To 5' High, Portable Cofferdam, Repositioning	4.27	
31 52 21 00-0022	LF	6' To 8' High, Portable Cofferdam, Repositioning	6.83	
31 52 21 00-0023	LF	10' To 12' High, Portable Cofferdam, Repositioning	10.24	
31 52 21 00-0024	LF	16' High, Portable Cofferdam, Repositioning	13.66	

31 60 Special Foundations And Load-bearing Elements *(31)*

31 62 Driven Piles *(31 60)*

31 62 13 Concrete Piles *(31 62)*

31 62 13 19 Precast Concrete Piles *(31 62 13)*

31 62 13 19-0001 Tapered Friction Piles With Fluted Steel Casing Up To 50' *(31 62 13 19)*

Note: With 4000 PSI concrete. Excludes reinforcing.

31 62 13 19-0002	VLF	12" Diameter Tapered Friction Steel Pile, 7 Gauge	42.37	
		For Piles Driven In Water, Add	*14.70*	
31 62 13 19-0003	VLF	14" Diameter Tapered Friction Steel Pile, 7 Gauge	43.59	
		For Piles Driven In Water, Add	*15.57*	
31 62 13 19-0004	VLF	16" Diameter Tapered Friction Steel Pile, 7 Gauge	52.85	
		For Piles Driven In Water, Add	*17.35*	
31 62 13 19-0005	VLF	18" Diameter Tapered Friction Steel Pile, 7 Gauge	60.80	
		For Piles Driven In Water, Add	*19.17*	

31 62 13 19-0006 Constant Diameter Pile, End Bearing, With Fluted Steel Casing *(31 62 13 19)*

Note: Up to 50'. Excludes reinforced.

31 62 13 19-0007	VLF	12" Diameter Constant Diameter Steel Pipe Pile, 7 Gauge	43.15	
		For Piles Driven In Water, Add	*14.78*	
31 62 13 19-0008	VLF	14" Diameter Constant Diameter Steel Pipe Pile, 7 Gauge	52.04	
		For Piles Driven In Water, Add	*16.42*	
31 62 13 19-0009	VLF	16" Diameter Constant Diameter Steel Pipe Pile, 7 Gauge	58.77	
		For Piles Driven In Water, Add	*17.95*	
31 62 13 19-0010	VLF	18" Diameter Constant Diameter Steel Pipe Pile, 7 Gauge	63.93	
		For Piles Driven In Water, Add	*19.48*	

31 62 13 19-0011 Thin Wall Shell Straight Sided *(31 62 13 19)*

31 62 13 19-0012	VLF	8" Diameter, 16 Gauge Steel Thin Wall Shell Straight Sided	26.01	
		For Piles Driven In Water, Add	*11.43*	
		For Thick Wall Shell, Add	*0.04*	
31 62 13 19-0013	VLF	10" Diameter, 16 Gauge Steel Thin Wall Shell Straight Sided	28.72	
		For Piles Driven In Water, Add	*12.68*	
		For Thick Wall Shell, Add	*0.04*	
31 62 13 19-0014	VLF	12" Diameter, 16 Gauge Steel Thin Wall Shell Straight Sided	31.42	
		For Piles Driven In Water, Add	*13.93*	
		For Thick Wall Shell, Add	*0.05*	
31 62 13 19-0015	VLF	14" Diameter, 16 Gauge Steel Thin Wall Shell Straight Sided	34.13	
		For Piles Driven In Water, Add	*15.19*	
		For Thick Wall Shell, Add	*0.05*	
31 62 13 19-0016	VLF	16" Diameter, 16 Gauge Steel Thin Wall Shell Straight Sided	36.86	
		For Piles Driven In Water, Add	*16.45*	
		For Thick Wall Shell, Add	*0.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 62 13 23 Prestressed Concrete Piles *(31 62 13)*

31 62 13 23-0001 Square Piles *(31 62 13 23)*

31 62 13 23-0002	VLF	10" Prestressed Square Concrete Pile	21.17	
		For Piles Driven In Water, Add	*11.08*	
31 62 13 23-0003	VLF	12" Prestressed Square Concrete Pile	26.32	
		For Piles Driven In Water, Add	*12.44*	
31 62 13 23-0004	VLF	14" Prestressed Square Concrete Pile	31.65	
		For Piles Driven In Water, Add	*13.63*	
31 62 13 23-0005	VLF	16" Prestressed Square Concrete Pile	38.49	
		For Piles Driven In Water, Add	*15.06*	
31 62 13 23-0006	VLF	18" Prestressed Square Concrete Pile	46.44	
		For Piles Driven In Water, Add	*16.71*	
31 62 13 23-0007	VLF	20" Prestressed Square Concrete Pile	53.58	
		For Piles Driven In Water, Add	*18.44*	
31 62 13 23-0008	VLF	24" Prestressed Square Concrete Pile	67.90	
		For Piles Driven In Water, Add	*21.06*	

31 62 13 23-0009 Octagonal Pile *(31 62 13 23)*

31 62 13 23-0010	VLF	12" Prestressed Octagonal Concrete Pile	34.28	
		For Piles Driven In Water, Add	*12.66*	
31 62 13 23-0011	VLF	14" Prestressed Octagonal Concrete Pile	42.93	
		For Piles Driven In Water, Add	*14.10*	
31 62 13 23-0012	VLF	16" Prestressed Octagonal Concrete Pile	51.67	
		For Piles Driven In Water, Add	*15.63*	
31 62 13 23-0013	VLF	18" Prestressed Octagonal Concrete Pile	62.51	
		For Piles Driven In Water, Add	*17.47*	
31 62 13 23-0014	VLF	20" Prestressed Octagonal Concrete Pile	113.51	
		For Piles Driven In Water, Add	*23.42*	
31 62 13 23-0015	VLF	24" Prestressed Octagonal Concrete Pile	70.60	
		For Piles Driven In Water, Add	*20.15*	

31 62 13 23-0016 Straight Cylinder *(31 62 13 23)*

31 62 13 23-0017	VLF	12" Diameter Prestressed Concrete Pile 2-3/8" Wall, Straight Cylinder	25.91	
		For Piles Driven In Water, Add	*11.31*	
31 62 13 23-0018	VLF	14" Diameter Prestressed Concrete Pile 2-1/2" Wall, Straight Cylinder	30.18	
		For Piles Driven In Water, Add	*12.25*	
31 62 13 23-0019	VLF	16" Diameter Prestressed Concrete Pile 3" Wall, Straight Cylinder	35.23	
		For Piles Driven In Water, Add	*13.33*	
31 62 13 23-0020	VLF	18" Diameter Prestressed Concrete Pile 3" Wall, Straight Cylinder	39.56	
		For Piles Driven In Water, Add	*14.42*	
31 62 13 23-0021	VLF	20" Diameter Prestressed Concrete Pile 3-1/2" Wall, Straight Cylinder	48.80	
		For Piles Driven In Water, Add	*16.09*	
31 62 13 23-0022	VLF	24" Diameter Prestressed Concrete Pile 3-1/2" Wall, Straight Cylinder	59.46	
		For Piles Driven In Water, Add	*18.02*	

31 62 16 Steel Piles *(31 62)*

31 62 16 16 Steel H Piles *(31 62 16)*

31 62 16 16-0001 Steel H-Section Piles *(31 62 16 16)*

31 62 16 16-0002	VLF	8 x 8 x 36 LB/FT Driven Steel H-Section Pile Rolled Steel	40.19	
		For Piles Driven In Water, Add	*13.83*	
31 62 16 16-0003	VLF	10 x 10 x 42 LB/FT Driven Steel H-Section Pile Rolled Steel	45.62	
		For Piles Driven In Water, Add	*14.86*	
31 62 16 16-0004	VLF	10 x 10 x 57 LB/FT Driven Steel H-Section Pile Rolled Steel	57.82	
		For Piles Driven In Water, Add	*16.08*	
31 62 16 16-0005	VLF	12 x 12 x 53 LB/FT Driven Steel H-Section Pile Rolled Steel	54.92	
		For Piles Driven In Water, Add	*16.10*	
31 62 16 16-0006	VLF	12 x 12 x 63 LB/FT Driven Steel H-Section Pile Rolled Steel	63.05	
		For Piles Driven In Water, Add	*16.92*	
31 62 16 16-0007	VLF	12 x 12 x 74 LB/FT Driven Steel H-Section Pile Rolled Steel	72.99	
		For Piles Driven In Water, Add	*18.79*	
31 62 16 16-0008	VLF	12 x 12 x 84 LB/FT Driven Steel H-Section Pile Rolled Steel	81.12	
		For Piles Driven In Water, Add	*19.61*	
31 62 16 16-0009	VLF	14 x 14 x 73 LB/FT Driven Steel H-Section Pile Rolled Steel	72.48	
		For Piles Driven In Water, Add	*19.02*	
31 62 16 16-0010	VLF	14 x 14 x 89 LB/FT Driven Steel H-Section Pile Rolled Steel	86.31	
		For Piles Driven In Water, Add	*20.40*	
31 62 16 16-0011	VLF	14 x 14 x 102 LB/FT Driven Steel H-Section Pile Rolled Steel	97.16	
		For Piles Driven In Water, Add	*22.46*	
31 62 16 16-0012	VLF	14 x 14 x 117 LB/FT Driven Steel H-Section Pile Rolled Steel	110.18	
		For Piles Driven In Water, Add	*23.76*	

31 62 16 16-0013 Splices, Caps, And Points For H-Piles *(31 62 16 16)*

31 62 16 16-0014	EA	8" H-Section Pile Splice Rolled Steel	300.47
31 62 16 16-0015	EA	10" H-Section Pile Splice Rolled Steel	358.27
31 62 16 16-0016	EA	12" H-Section Pile Splice Rolled Steel	473.84
31 62 16 16-0017	EA	14" H-Section Pile Splice Rolled Steel	502.74

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 16 16-0018	EA	8" H-Section Driving Cap Rolled Steel	4,716.22	
31 62 16 16-0019	EA	10" H-Section Driving Cap Rolled Steel	4,716.22	
31 62 16 16-0020	EA	12" H-Section Driving Cap Rolled Steel	4,761.70	
31 62 16 16-0021	EA	14" H-Section Driving Cap Rolled Steel	7,218.07	
31 62 16 16-0022	EA	8" H-Section Standard Point Standard, Rolled Steel	329.37	
31 62 16 16-0023	EA	10" H-Section Standard Point Standard, Rolled Steel	358.27	
31 62 16 16-0024	EA	12" H-Section Standard Point Standard, Rolled Steel	473.84	
31 62 16 16-0025	EA	14" H-Section Standard Point Standard, Rolled Steel	560.54	
31 62 16 16-0026	EA	10" H-Section Standard Point Heavy Duty, Rolled Steel	473.84	
31 62 16 16-0027	EA	14" H-Section Standard Point Heavy Duty, Rolled Steel	616.51	

31 62 16 19 Unfilled Tubular Steel Piles *(31 62 16)*

31 62 16 19-0001 Pipe Piles, Non-Filled *(31 62 16 19)*

31 62 16 19-0002	VLF	8" Diameter Non-Filled Steel Pipe Piles	25.30	
		For Piles Driven In Water, Add	*15.09*	
31 62 16 19-0003	VLF	10" Diameter Non-Filled Steel Pipe Piles	28.14	
		For Piles Driven In Water, Add	*15.37*	
31 62 16 19-0004	VLF	12" Diameter Non-Filled Steel Pipe Piles	32.22	
		For Piles Driven In Water, Add	*16.44*	
31 62 16 19-0005	VLF	14" Diameter Non-Filled Steel Pipe Piles	35.02	
		For Piles Driven In Water, Add	*18.11*	
31 62 16 19-0006	VLF	16" Diameter Non-Filled Steel Pipe Piles	38.99	
		For Piles Driven In Water, Add	*20.21*	
31 62 16 19-0007	VLF	18" Diameter Non-Filled Steel Pipe Piles	46.77	
		For Piles Driven In Water, Add	*22.36*	

31 62 16 19-0008 Splices And Points For Pipe Pile *(31 62 16 19)*

31 62 16 19-0009 Splice *(31 62 16 19-0008)*

31 62 16 19-0010	EA	8" Diameter Pipe Pile Splice Steel	188.71
31 62 16 19-0011	EA	10" Diameter Pipe Pile Splice Steel	197.90
31 62 16 19-0012	EA	12" Diameter Pipe Pile Splice Steel	262.05
31 62 16 19-0013	EA	14" Diameter Pipe Pile Splice Steel	271.12
31 62 16 19-0014	EA	16" Diameter Pipe Pile Splice Steel	320.73
31 62 16 19-0015	EA	18" Diameter Pipe Pile Splice Steel	380.33

31 62 16 19-0016 Standard Point *(31 62 16 19-0008)*

31 62 16 19-0017	EA	8" Diameter Steel Pipe Pile Standard Point	196.57
31 62 16 19-0018	EA	10" Diameter Steel Pipe Pile Standard Point	203.93
31 62 16 19-0019	EA	12" Diameter Steel Pipe Pile Standard Point	229.06
31 62 16 19-0020	EA	14" Diameter Steel Pipe Pile Standard Point	249.31
31 62 16 19-0021	EA	16" Diameter Steel Pipe Pile Standard Point	267.72
31 62 16 19-0022	EA	18" Diameter Steel Pipe Pile Standard Point	310.57

31 62 16 19-0023 Heavy Duty Point *(31 62 16 19-0008)*

31 62 16 19-0024	EA	10" Diameter Steel Pipe Pile Point Heavy Duty	292.40
31 62 16 19-0025	EA	12" Diameter Steel Pipe Pile Point Heavy Duty	301.60
31 62 16 19-0026	EA	14" Diameter Steel Pipe Pile Point Heavy Duty	335.54
31 62 16 19-0027	EA	16" Diameter Steel Pipe Pile Point Heavy Duty	372.36
31 62 16 19-0028	EA	18" Diameter Steel Pipe Pile Point Heavy Duty	411.44

31 62 19 Timber Piles *(31 62)*

31 62 19 00-0001 Treated Wood Piles, Friction Or End Bearing 12 LB *(31 62 19)*

Note: Penta-treated/CF.

31 62 19 00-0002	LF	12" Butt x 8" Tip Treated Wood Piles Up To 30'	16.51	
		For Piles Driven In Water, Add	*10.37*	
		For Untreated Pile, Deduct	*-2.52*	
		For Each Pile Tip Point, Add	*12.50*	
		For Each Pile Butt, Driving Cap, Add	*20.10*	
		For Each Splice For Pile >50', Add	*139.40*	
31 62 19 00-0003	LF	12" Butt x 8" Tip Treated Wood Piles 30' To 39'	17.80	
		For Piles Driven In Water, Add	*11.59*	
		For Untreated Pile, Deduct	*-2.55*	
		For Each Pile Tip Point, Add	*12.50*	
		For Each Pile Butt, Driving Cap, Add	*20.10*	
		For Each Splice For Pile >50', Add	*139.40*	
31 62 19 00-0004	LF	12" Butt x 7" Tip Treated Wood Pile 40' To 49'	18.84	
		For Piles Driven In Water, Add	*12.35*	
		For Untreated Pile, Deduct	*-2.67*	
		For Each Pile Tip Point, Add	*12.50*	
		For Each Pile Butt, Driving Cap, Add	*20.10*	
		For Each Splice For Pile >50', Add	*139.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 19 00-0005	LF	13" Butt x 7" Tip Treated Wood Pile 50' To 59'	20.61	
		For Piles Driven In Water, Add	*13.83*	
		For Untreated Pile, Deduct	*-2.79*	
		For Each Pile Tip Point, Add	*12.50*	
		For Each Pile Butt, Driving Cap, Add	*20.10*	
		For Each Splice For Pile >50', Add	*139.40*	
31 62 19 00-0006	LF	13" Butt x 6" Tip Wood Pile 60' To 69'	24.62	
		For Piles Driven In Water, Add	*15.55*	
		For Untreated Pile, Deduct	*-3.73*	
		For Each Pile Tip Point, Add	*12.50*	
		For Each Pile Butt, Driving Cap, Add	*20.10*	
		For Each Splice For Pile >50', Add	*139.40*	
31 62 19 00-0007	LF	13" Butt x 6" Tip Wood Pile 70' To 79'	30.33	
		For Piles Driven In Water, Add	*18.73*	
		For Untreated Pile, Deduct	*-4.77*	
		For Each Pile Tip Point, Add	*12.50*	
		For Each Pile Butt, Driving Cap, Add	*20.10*	
		For Each Splice For Pile >50', Add	*139.40*	

31 62 23 Composite Piles *(31 62)*

31 62 23 13 Concrete-Filled Steel Piles *(31 62 23)*

31 62 23 13-0001 Concrete Filled Pipe Piles *(31 62 23 13)*

Note: All material included in cost.

31 62 23 13-0002	VLF	8" Diameter Concrete Filled Steel Pipe Piles, 29 LB/FT	28.04	
		For Piles Driven In Water, Add	*16.46*	
31 62 23 13-0003	VLF	10" Diameter Concrete Filled Steel Pipe Piles, 34 LB/FT	32.12	
		For Piles Driven In Water, Add	*17.17*	
31 62 23 13-0004	VLF	12" Diameter Concrete Filled Steel Pipe Piles, 42 LB/FT	37.80	
		For Piles Driven In Water, Add	*18.91*	
31 62 23 13-0005	VLF	14" Diameter Concrete Filled Steel Pipe Piles, 46 LB/FT	42.57	
		For Piles Driven In Water, Add	*21.94*	
31 62 23 13-0006	VLF	16" Diameter Concrete Filled Steel Pipe Piles, 52 LB/FT	47.14	
		For Piles Driven In Water, Add	*23.45*	
31 62 23 13-0007	VLF	18" Diameter Concrete Filled Steel Pipe Piles, 59 LB/FT	56.58	
		For Piles Driven In Water, Add	*25.91*	

31 63 Bored Piles *(31 60)*

31 63 36 Drilled Steel Piles *(31 63)*

31 63 36 00-0001 Drill Hole *(31 63 36)*

Note: Excludes removal of excess material.

31 63 36 00-0002 Mobilization *(31 63 36 00-0001)*

31 63 36 00-0003	EA	Drilling Mobilization, >12" To 24" Diameter Hole	674.74	
31 63 36 00-0004	EA	Drilling Mobilization, >24" Diameter Hole	899.65	

31 63 36 00-0005 Drill Hole In Soil *(31 63 36 00-0001)*

31 63 36 00-0006	LF	18" Hole Drilled/Auger Up To 24' Depth	38.90	
31 63 36 00-0007	LF	20" Hole Drilled/Auger Up To 24' Depth	45.24	
31 63 36 00-0008	LF	22" Hole Drilled/Auger Up To 24' Depth	53.16	
31 63 36 00-0009	LF	24" Hole Drilled/Auger Up To 24' Depth	62.65	
31 63 36 00-0010	LF	26" Hole Drilled/Auger Up To 24' Depth	67.72	
31 63 36 00-0011	LF	28" Hole Drilled/Auger Up To 24' Depth	74.50	
31 63 36 00-0012	LF	30" Hole Drilled/Auger Up To 24' Depth	81.60	

31 63 36 00-0013 Steel H-Section Piles *(31 63 36)*

31 63 36 00-0014 Steel H-Section Piles Placed In Drilled Hole *(31 63 36 00-0013)*

Note: Includes guides, bracing and alignment.

31 63 36 00-0015	VLF	8 x 8 x 36 LB/FT Steel H-Section Pile Rolled Steel	38.84	
		For >2,400 To 3,600, Deduct	*-1.21*	
		For >3,600 To 4,800, Deduct	*-2.42*	
		For >4,800 To 6,000, Deduct	*-4.36*	
		For >6,000, Deduct	*-6.30*	
31 63 36 00-0016	VLF	10 x 10 x 42 LB/FT Steel H-Section Pile Rolled Steel	44.22	
		For >2,400 To 3,600, Deduct	*-1.36*	
		For >3,600 To 4,800, Deduct	*-2.71*	
		For >4,800 To 6,000, Deduct	*-4.92*	
		For >6,000, Deduct	*-7.14*	
31 63 36 00-0017	VLF	10 x 10 x 57 LB/FT Steel H-Section Pile Rolled Steel	56.42	
		For >2,400 To 3,600, Deduct	*-1.66*	
		For >3,600 To 4,800, Deduct	*-3.32*	
		For >4,800 To 6,000, Deduct	*-6.14*	
		For >6,000, Deduct	*-8.97*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 63 36 00-0018	VLF	12 x 12 x 53 LB/FT Steel H-Section Pile Rolled Steel	53.46	
		For >2,400 To 3,600, Deduct	*-1.59*	
		For >3,600 To 4,800, Deduct	*-3.19*	
		For >4,800 To 6,000, Deduct	*-5.86*	
		For >6,000, Deduct	*-8.54*	
31 63 36 00-0019	VLF	12 x 12 x 63 LB/FT Steel H-Section Pile Rolled Steel	61.59	
		For >2,400 To 3,600, Deduct	*-1.80*	
		For >3,600 To 4,800, Deduct	*-3.60*	
		For >4,800 To 6,000, Deduct	*-6.68*	
		For >6,000, Deduct	*-9.76*	
31 63 36 00-0020	VLF	12 x 12 x 74 LB/FT Steel H-Section Pile Rolled Steel	71.41	
		For >2,400 To 3,600, Deduct	*-2.07*	
		For >3,600 To 4,800, Deduct	*-4.13*	
		For >4,800 To 6,000, Deduct	*-7.70*	
		For >6,000, Deduct	*-11.27*	
31 63 36 00-0021	VLF	12 x 12 x 84 LB/FT Steel H-Section Pile Rolled Steel	79.54	
		For >2,400 To 3,600, Deduct	*-2.27*	
		For >3,600 To 4,800, Deduct	*-4.54*	
		For >4,800 To 6,000, Deduct	*-8.51*	
		For >6,000, Deduct	*-12.49*	
31 63 36 00-0022	VLF	14 x 14 x 73 LB/FT Steel H-Section Pile Rolled Steel	70.87	
		For >2,400 To 3,600, Deduct	*-2.06*	
		For >3,600 To 4,800, Deduct	*-4.12*	
		For >4,800 To 6,000, Deduct	*-7.66*	
		For >6,000, Deduct	*-11.20*	
31 63 36 00-0023	VLF	14 x 14 x 89 LB/FT Steel H-Section Pile Rolled Steel	84.70	
		For >2,400 To 3,600, Deduct	*-2.40*	
		For >3,600 To 4,800, Deduct	*-4.81*	
		For >4,800 To 6,000, Deduct	*-9.04*	
		For >6,000, Deduct	*-13.28*	
31 63 36 00-0024	VLF	14 x 14 x 102 LB/FT Steel H-Section Pile Rolled Steel	95.42	
		For >2,400 To 3,600, Deduct	*-2.70*	
		For >3,600 To 4,800, Deduct	*-5.39*	
		For >4,800 To 6,000, Deduct	*-10.16*	
		For >6,000, Deduct	*-14.93*	
31 63 36 00-0025	VLF	14 x 14 x 117 LB/FT Steel H-Section Pile Rolled Steel	108.44	
		For >2,400 To 3,600, Deduct	*-3.02*	
		For >3,600 To 4,800, Deduct	*-6.04*	
		For >4,800 To 6,000, Deduct	*-11.47*	
		For >6,000, Deduct	*-16.89*	

31 63 36 00-0026 Welded Steel Stud Pins *(31 63 36 00-0013)*

Note: Includes welding to steel piles.

31 63 36 00-0027	EA	5/8" Diameter x 2-1/2" Long, Welded Stud Pins	10.30	
		For >50 To 150, Deduct	*-0.47*	
		For >150 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-1.95*	
31 63 36 00-0028	EA	5/8" Diameter x 5" Long, Welded Stud Pins	11.19	
		For >50 To 150, Deduct	*-0.47*	
		For >150 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-2.02*	
31 63 36 00-0029	EA	5/8" Diameter x 7" Long, Welded Stud Pins	12.05	
		For >50 To 150, Deduct	*-0.47*	
		For >150 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-2.08*	
31 63 36 00-0030	EA	3/4" Diameter x 2-1/2" Long, Welded Stud Pins	11.31	
		For >50 To 150, Deduct	*-0.50*	
		For >150 To 250, Deduct	*-1.03*	
		For >250 To 500, Deduct	*-1.56*	
		For >500, Deduct	*-2.09*	
31 63 36 00-0031	EA	3/4" Diameter x 5" Long, Welded Stud Pins	12.66	
		For >50 To 150, Deduct	*-0.50*	
		For >150 To 250, Deduct	*-1.06*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-2.19*	
31 63 36 00-0032	EA	3/4" Diameter x 7" Long, Welded Stud Pins	13.61	
		For >50 To 150, Deduct	*-0.50*	
		For >150 To 250, Deduct	*-1.08*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.26*	
31 63 36 00-0033	EA	7/8" Diameter x 2-1/2" Long, Welded Stud Pins	12.52	
		For >50 To 150, Deduct	*-0.52*	
		For >150 To 250, Deduct	*-1.09*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-2.23*	
31 63 36 00-0034	EA	7/8" Diameter x 5" Long, Welded Stud Pins	14.72	
		For >50 To 150, Deduct	*-0.52*	
		For >150 To 250, Deduct	*-1.14*	
		For >250 To 500, Deduct	*-1.77*	
		For >500, Deduct	*-2.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 63 36 00-0035	EA	7/8" Diameter x 7" Long, Welded Stud Pins	15.79	
		For >50 To 150, Deduct	*-0.52*	
		For >150 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.47*	

31 63 36 00-0036 Concrete Fill *(31 63 36)*

See CSI section 03 31 13 00-0088 for pumping equipment.

31 63 36 00-0037	VLF	18" Diameter Hole Pumped Concrete Fill For Drilled Pile	31.73	
31 63 36 00-0038	VLF	20" Diameter Hole Pumped Concrete Fill For Drilled Pile	35.26	
31 63 36 00-0039	VLF	22" Diameter Hole Pumped Concrete Fill For Drilled Pile	38.78	
31 63 36 00-0040	VLF	24" Diameter Hole Pumped Concrete Fill For Drilled Pile	42.31	
31 63 36 00-0041	VLF	26" Diameter Hole Pumped Concrete Fill For Drilled Pile	45.83	
31 63 36 00-0042	VLF	28" Diameter Hole Pumped Concrete Fill For Drilled Pile	49.35	
31 63 36 00-0043	VLF	30" Diameter Hole Pumped Concrete Fill For Drilled Pile	58.21	

31 64 Caissons *(31 60)*

31 64 13 Box Caissons *(31 64)*

31 64 13 00-0001 Caisson In Stable Ground No Casing Or Ground Water *(31 64 13)*

Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.

31 64 13 00-0002 Caisson In Stable Ground *(31 64 13 00-0001)*

Note: Includes 3000 PSI concrete and reinforcing.

31 64 13 00-0003	VLF	18" Diameter Caisson, No Casing Stable Ground, No Ground Water	44.98	
		Note: 0.066 CY Concrete per VLF, 9 lbs rebar per VLF.		
		For >50' To 100' Deep, Add		*4.56*
		For >100' To 150' Deep, Add		*11.25*
		For >150' To 200' Deep, Add		*15.26*
		For Right Angle Drilling, Add		*11.32*
31 64 13 00-0004	VLF	24" Diameter Caisson, No Casing Stable Ground, No Ground Water	57.53	
		Note: 0.116 CY Concrete per VLF, 14 lbs rebar per VLF.		
		For >50' To 100' Deep, Add		*6.36*
		For >100' To 150' Deep, Add		*14.38*
		For >150' To 200' Deep, Add		*20.18*
		For Right Angle Drilling, Add		*12.84*
31 64 13 00-0005	VLF	30" Diameter Caisson, No Casing Stable Ground, No Ground Water	82.65	
		Note: 0.182 CY Concrete per VLF, 23 lbs rebar per VLF.		
		For >50' To 100' Deep, Add		*9.53*
		For >100' To 150' Deep, Add		*20.66*
		For >150' To 200' Deep, Add		*29.47*
		For Right Angle Drilling, Add		*17.23*
31 64 13 00-0006	VLF	36" Diameter Caisson, No Casing Stable Ground, No Ground Water	110.33	
		Note: 0.262 CY Concrete per VLF, 33 lbs rebar per VLF.		
		For >50' To 100' Deep, Add		*13.10*
		For >100' To 150' Deep, Add		*27.58*
		For >150' To 200' Deep, Add		*39.82*
		For Right Angle Drilling, Add		*21.80*
31 64 13 00-0007	VLF	42" Diameter Caisson, No Casing Stable Ground, No Ground Water	143.60	
		Note: 0.356 CY Concrete per VLF, 48 lbs rebar per VLF.		
		For >50' To 100' Deep, Add		*17.64*
		For >100' To 150' Deep, Add		*35.90*
		For >150' To 200' Deep, Add		*52.57*
		For Right Angle Drilling, Add		*26.55*
31 64 13 00-0008	VLF	48" Diameter Caisson No Casing Stable Ground, No Ground Water	172.33	
		Note: 0.465 CY Concrete per VLF, 57 lbs rebar per VLF.		
		For >50' To 100' Deep, Add		*21.48*
		For >100' To 150' Deep, Add		*43.08*
		For >150' To 200' Deep, Add		*63.47*
		For Right Angle Drilling, Add		*30.88*
31 64 13 00-0009	VLF	54" Diameter Caisson No Casing Stable Ground, No Ground Water	210.79	
		Note: 0.589 CY Concrete per VLF, 76 lbs rebar per VLF.		
		For >50' To 100' Deep, Add		*27.01*
		For >100' To 150' Deep, Add		*52.70*
		For >150' To 200' Deep, Add		*78.56*
		For Right Angle Drilling, Add		*35.48*
31 64 13 00-0010	VLF	60" Diameter Caisson No Casing Stable Ground, No Ground Water	249.03	
		Note: 0.727 CY Concrete per VLF, 93 lbs rebar per VLF.		
		For >50' To 100' Deep, Add		*32.50*
		For >100' To 150' Deep, Add		*62.26*
		For >150' To 200' Deep, Add		*93.55*
		For Right Angle Drilling, Add		*40.06*
31 64 13 00-0011	VLF	66" Diameter Caisson No Casing Stable Ground, No Ground Water	292.37	
		Note: 0.88 CY Concrete per VLF, 113 lbs rebar per VLF.		
		For >50' To 100' Deep, Add		*38.70*
		For >100' To 150' Deep, Add		*73.09*
		For >150' To 200' Deep, Add		*110.51*
		For Right Angle Drilling, Add		*45.34*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0012	VLF	72" Diameter Caisson No Casing Stable Ground, No Ground Water	343.07	
		Note: 1.047 CY Concrete per VLF, 134 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*46.00*	
		For >100' To 150' Deep, Add	*85.77*	
		For >150' To 200' Deep, Add	*130.41*	
		For Right Angle Drilling, Add	*51.36*	
31 64 13 00-0013	VLF	78" Diameter Caisson No Casing Stable Ground, No Ground Water	393.24	
		Note: 1.229 CY Concrete per VLF, 157 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*53.33*	
		For >100' To 150' Deep, Add	*98.31*	
		For >150' To 200' Deep, Add	*150.23*	
		For Right Angle Drilling, Add	*56.99*	
31 64 13 00-0014	VLF	84" Diameter Caisson No Casing Stable Ground, No Ground Water	446.88	
		Note: 1.425 CY Concrete per VLF, 183 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*61.21*	
		For >100' To 150' Deep, Add	*111.72*	
		For >150' To 200' Deep, Add	*171.48*	
		For Right Angle Drilling, Add	*62.88*	

31 64 13 00-0015 For Bell Excavation And Concrete, Add *(31 64 13 00-0001)*

31 64 13 00-0016	EA	Bell Excavation And Concrete, 4' Bell Diameter Stable Ground, 24" Shaft, 0.44 CY	317.15	
		For >50' To 100' Deep, Add	*25.74*	
		For >100' To 150' Deep, Add	*79.29*	
		For >150' To 200' Deep, Add	*99.57*	
31 64 13 00-0017	EA	Bell Excavation And Concrete, 6' Bell Diameter Stable Ground, 30" Shaft, 1.57 CY	1,114.91	
		For >50' To 100' Deep, Add	*90.63*	
		For >100' To 150' Deep, Add	*278.73*	
		For >150' To 200' Deep, Add	*350.21*	
31 64 13 00-0018	EA	Bell Excavation And Concrete, 7' Bell Diameter Stable Ground, 36" Shaft, 2.33 CY	1,685.76	
		For >50' To 100' Deep, Add	*139.18*	
		For >100' To 150' Deep, Add	*421.44*	
		For >150' To 200' Deep, Add	*532.20*	
31 64 13 00-0019	EA	Bell Excavation And Concrete, 8' Bell Diameter Stable Ground, 42" Shaft, 3.30 CY	2,339.91	
		For >50' To 100' Deep, Add	*193.56*	
		For >100' To 150' Deep, Add	*584.98*	
		For >150' To 200' Deep, Add	*739.19*	
31 64 13 00-0020	EA	Bell Excavation And Concrete, 9' Bell Diameter Stable Ground, 48" Shaft, 4.48 CY	3,176.50	
		For >50' To 100' Deep, Add	*258.16*	
		For >100' To 150' Deep, Add	*794.13*	
		For >150' To 200' Deep, Add	*997.71*	
31 64 13 00-0021	EA	Bell Excavation And Concrete, 10' Bell Diameter Stable Ground, 60" Shaft, 5.24 CY	3,735.13	
		For >50' To 100' Deep, Add	*303.43*	
		For >100' To 150' Deep, Add	*933.78*	
		For >150' To 200' Deep, Add	*1,173.00*	
31 64 13 00-0022	EA	Bell Excavation And Concrete, 12' Bell Diameter Stable Ground, 72" Shaft, 8.74 CY	6,334.98	
		For >50' To 100' Deep, Add	*513.61*	
		For >100' To 150' Deep, Add	*1,583.75*	
		For >150' To 200' Deep, Add	*1,988.20*	
31 64 13 00-0023	EA	Bell Excavation And Concrete, 14' Bell Diameter Stable Ground, 84" Shaft, 13.6 CY	9,157.69	
		For >50' To 100' Deep, Add	*749.89*	
		For >100' To 150' Deep, Add	*2,289.42*	
		For >150' To 200' Deep, Add	*2,883.37*	

31 64 13 00-0024 Caisson In Wet Ground, Casing Pulled *(31 64 13)*

Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.

31 64 13 00-0025 Caisson In Wet Ground *(31 64 13 00-0024)*

Note: Includes 3000 PSI concrete and reinforcing.

31 64 13 00-0026	VLF	18" Diameter Caisson Wet Ground, Casing Pulled	49.05	
		Note: 0.066 CY Concrete per VLF, 9 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*4.84*	
		For >100' To 150' Deep, Add	*12.26*	
		For >150' To 200' Deep, Add	*16.48*	
		For Right Angle Drilling, Add	*12.76*	
31 64 13 00-0027	VLF	24" Diameter Caisson Wet Ground, Casing Pulled	81.55	
		Note: 0.116 CY Concrete per VLF, 14 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*8.04*	
		For >100' To 150' Deep, Add	*20.39*	
		For >150' To 200' Deep, Add	*27.38*	
		For Right Angle Drilling, Add	*21.25*	
31 64 13 00-0028	VLF	30" Diameter Caisson Wet Ground, Casing Pulled	109.65	
		Note: 0.182 CY Concrete per VLF, 23 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*11.42*	
		For >100' To 150' Deep, Add	*27.41*	
		For >150' To 200' Deep, Add	*37.57*	
		For Right Angle Drilling, Add	*26.68*	
31 64 13 00-0029	VLF	36" Diameter Caisson Wet Ground, Casing Pulled	151.06	
		Note: 0.262 CY Concrete per VLF, 33 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*15.95*	
		For >100' To 150' Deep, Add	*37.77*	
		For >150' To 200' Deep, Add	*52.04*	
		For Right Angle Drilling, Add	*36.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0030	VLF	42" Diameter Caisson Wet Ground, Casing Pulled	193.91	
		Note: 0.356 CY Concrete per VLF, 48 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*21.16*	
		For >100' To 150' Deep, Add	*48.48*	
		For >150' To 200' Deep, Add	*67.66*	
		For Right Angle Drilling, Add	*44.15*	
31 64 13 00-0031	VLF	48" Diameter Caisson Wet Ground, Casing Pulled	232.04	
		Note: 0.465 CY Concrete per VLF, 57 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*25.66*	
		For >100' To 150' Deep, Add	*58.01*	
		For >150' To 200' Deep, Add	*81.39*	
		For Right Angle Drilling, Add	*51.78*	
31 64 13 00-0032	VLF	54" Diameter Caisson Wet Ground, Casing Pulled	300.51	
		Note: 0.589 CY Concrete per VLF, 76 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*33.29*	
		For >100' To 150' Deep, Add	*75.13*	
		For >150' To 200' Deep, Add	*105.47*	
		For Right Angle Drilling, Add	*66.88*	
31 64 13 00-0033	VLF	60" Diameter Caisson Wet Ground, Casing Pulled	367.98	
		Note: 0.727 CY Concrete per VLF, 93 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*40.83*	
		For >100' To 150' Deep, Add	*92.00*	
		For >150' To 200' Deep, Add	*129.23*	
		For Right Angle Drilling, Add	*81.70*	
31 64 13 00-0034	VLF	66" Diameter Caisson Wet Ground, Casing Pulled	422.51	
		Note: 0.87 CY Concrete per VLF, 113 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*47.81*	
		For >100' To 150' Deep, Add	*105.63*	
		For >150' To 200' Deep, Add	*149.55*	
		For Right Angle Drilling, Add	*90.89*	
31 64 13 00-0035	VLF	72" Diameter Caisson Wet Ground, Casing Pulled	484.36	
		Note: 1.047 CY Concrete per VLF, 134 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*55.89*	
		For >100' To 150' Deep, Add	*121.09*	
		For >150' To 200' Deep, Add	*172.79*	
		For Right Angle Drilling, Add	*100.82*	
31 64 13 00-0036	VLF	78" Diameter Caisson Wet Ground, Casing Pulled	553.06	
		Note: 1.229 CY Concrete per VLF, 157 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*64.52*	
		For >100' To 150' Deep, Add	*138.27*	
		For >150' To 200' Deep, Add	*198.18*	
		For Right Angle Drilling, Add	*112.93*	
31 64 13 00-0037	VLF	84" Diameter Caisson Wet Ground, Casing Pulled	625.53	
		Note: 1.425 CY Concrete per VLF, 183 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*73.72*	
		For >100' To 150' Deep, Add	*156.38*	
		For >150' To 200' Deep, Add	*225.07*	
		For Right Angle Drilling, Add	*125.41*	

31 64 13 00-0038 For Bell Excavation And Concrete, Add *(31 64 13 00-0024)*

31 64 13 00-0039	EA	Bell Excavation And Concrete, 4' Bell Diameter Wet Ground 24" Shaft, 0.44 CY	361.71	
		For >50' To 100' Deep, Add	*28.86*	
		For >100' To 150' Deep, Add	*90.43*	
		For >150' To 200' Deep, Add	*112.94*	
31 64 13 00-0040	EA	Bell Excavation And Concrete, 6' Bell Diameter Wet Ground, 30" Shaft, 1.57 CY	1,260.12	
		For >50' To 100' Deep, Add	*100.80*	
		For >100' To 150' Deep, Add	*315.03*	
		For >150' To 200' Deep, Add	*393.77*	
31 64 13 00-0041	EA	Bell Excavation And Concrete, 7' Bell Diameter Wet Ground, 36" Shaft, 2.33 CY	1,733.29	
		For >50' To 100' Deep, Add	*129.40*	
		For >100' To 150' Deep, Add	*433.32*	
		For >150' To 200' Deep, Add	*530.07*	
31 64 13 00-0042	EA	Bell Excavation And Concrete, 8' Bell Diameter Wet Ground, 42" Shaft, 3.3 CY	2,768.09	
		For >50' To 100' Deep, Add	*223.54*	
		For >100' To 150' Deep, Add	*692.02*	
		For >150' To 200' Deep, Add	*867.64*	
31 64 13 00-0043	EA	Bell Excavation And Concrete, 9' Bell Diameter Wet Ground, 48" Shaft, 4.48 CY	3,590.37	
		For >50' To 100' Deep, Add	*287.13*	
		For >100' To 150' Deep, Add	*897.59*	
		For >150' To 200' Deep, Add	*1,121.87*	
31 64 13 00-0044	EA	Bell Excavation And Concrete, 10' Bell Diameter Wet Ground, 60" Shaft, 5.24 CY	4,222.03	
		For >50' To 100' Deep, Add	*337.51*	
		For >100' To 150' Deep, Add	*1,055.51*	
		For >150' To 200' Deep, Add	*1,319.07*	
31 64 13 00-0045	EA	Bell Excavation And Concrete, 12' Bell Diameter Wet Ground, 72" Shaft, 8.74 CY	7,162.69	
		For >50' To 100' Deep, Add	*571.55*	
		For >100' To 150' Deep, Add	*1,790.67*	
		For >150' To 200' Deep, Add	*2,236.51*	
31 64 13 00-0046	EA	Bell Excavation And Concrete, 14' Bell Diameter Wet Ground, 84" Shaft, 13.6 CY	10,340.16	
		For >50' To 100' Deep, Add	*832.66*	
		For >100' To 150' Deep, Add	*2,585.04*	
		For >150' To 200' Deep, Add	*3,238.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0047		**Caisson In Soft Rock And Medium Hard Shale** *(31 64 13)* Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.		
31 64 13 00-0048		**Caisson In Soft Rock** *(31 64 13 00-0047)* Note: Includes 3000 PSI concrete and reinforcing.		
31 64 13 00-0049	VLF	18" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water	180.58	
		Note: 0.066 CY Concrete per VLF, 9 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*14.05*	
		For >100' To 150' Deep, Add	*45.15*	
		For >150' To 200' Deep, Add	*55.94*	
		For Right Angle Drilling, Add	*58.80*	
31 64 13 00-0050	VLF	24" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water	300.80	
		Note: 0.116 CY Concrete per VLF, 14 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*23.39*	
		For >100' To 150' Deep, Add	*75.20*	
		For >150' To 200' Deep, Add	*93.16*	
		For Right Angle Drilling, Add	*97.99*	
31 64 13 00-0051	VLF	30" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water	454.18	
		Note: 0.182 CY Concrete per VLF, 23 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*35.54*	
		For >100' To 150' Deep, Add	*113.55*	
		For >150' To 200' Deep, Add	*140.93*	
		For Right Angle Drilling, Add	*147.27*	
31 64 13 00-0052	VLF	36" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water	581.86	
		Note: 0.262 CY Concrete per VLF, 33 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*46.11*	
		For >100' To 150' Deep, Add	*145.47*	
		For >150' To 200' Deep, Add	*181.28*	
		For Right Angle Drilling, Add	*186.84*	
31 64 13 00-0053	VLF	42" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water	743.07	
		Note: 0.356 CY Concrete per VLF, 48 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*59.60*	
		For >100' To 150' Deep, Add	*185.77*	
		For >150' To 200' Deep, Add	*232.41*	
		For Right Angle Drilling, Add	*236.36*	
31 64 13 00-0054	VLF	48" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water	895.60	
		Note: 0.465 CY Concrete per VLF, 57 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*72.11*	
		For >100' To 150' Deep, Add	*223.90*	
		For >150' To 200' Deep, Add	*280.46*	
		For Right Angle Drilling, Add	*284.02*	
31 64 13 00-0055	VLF	54" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water	1,098.00	
		Note: 0.589 CY Concrete per VLF, 76 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*89.12*	
		For >100' To 150' Deep, Add	*274.50*	
		For >150' To 200' Deep, Add	*344.72*	
		For Right Angle Drilling, Add	*346.00*	
31 64 13 00-0056	VLF	60" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water	1,299.57	
		Note: 0.727 CY Concrete per VLF, 93 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*106.04*	
		For >100' To 150' Deep, Add	*324.89*	
		For >150' To 200' Deep, Add	*408.71*	
		For Right Angle Drilling, Add	*407.75*	
31 64 13 00-0057	VLF	66" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water	1,432.05	
		Note: 0.88 CY Concrete per VLF, 113 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*118.48*	
		For >100' To 150' Deep, Add	*358.01*	
		For >150' To 200' Deep, Add	*452.41*	
		For Right Angle Drilling, Add	*444.23*	
31 64 13 00-0058	VLF	72" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water	1,571.25	
		Note: 1.047 CY Concrete per VLF, 134 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*131.97*	
		For >100' To 150' Deep, Add	*392.81*	
		For >150' To 200' Deep, Add	*498.86*	
		For Right Angle Drilling, Add	*481.23*	
31 64 13 00-0059	VLF	78" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water	1,618.99	
		Note: 1.229 CY Concrete per VLF, 157 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*139.14*	
		For >100' To 150' Deep, Add	*404.75*	
		For >150' To 200' Deep, Add	*517.96*	
		For Right Angle Drilling, Add	*486.00*	
31 64 13 00-0060	VLF	84" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water	1,930.79	
		Note: 1.425 CY Concrete per VLF, 183 lbs rebar per VLF.		
		For >50' To 100' Deep, Add	*165.08*	
		For >100' To 150' Deep, Add	*482.70*	
		For >150' To 200' Deep, Add	*616.65*	
		For Right Angle Drilling, Add	*582.25*	
31 64 13 00-0061		**For Bell Excavation And Concrete, Add** *(31 64 13 00-0047)*		
31 64 13 00-0062	EA	Bell Excavation And Concrete, 4' Bell Diameter Soft Rock/Shale 24" Shaft 0.44 CY	620.92	
		For >50' To 100' Deep, Add	*47.01*	
		For >100' To 150' Deep, Add	*155.23*	
		For >150' To 200' Deep, Add	*190.70*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0063	EA	Bell Excavation And Concrete, 6' Bell Diameter Soft Rock/Shale 30" Shaft 1.57 CY	2,185.00	
		For >50' To 100' Deep, Add	*165.54*	
		For >100' To 150' Deep, Add	*546.25*	
		For >150' To 200' Deep, Add	*671.24*	
31 64 13 00-0064	EA	Bell Excavation And Concrete, 7' Bell Diameter Soft Rock/Shale 36" Shaft 2.33 CY	3,273.91	
		For >50' To 100' Deep, Add	*250.35*	
		For >100' To 150' Deep, Add	*818.48*	
		For >150' To 200' Deep, Add	*1,008.65*	
31 64 13 00-0065	EA	Bell Excavation And Concrete, 8' Bell Diameter Soft Rock/Shale 42" Shaft 3.3 CY	4,661.35	
		For >50' To 100' Deep, Add	*356.07*	
		For >100' To 150' Deep, Add	*1,165.34*	
		For >150' To 200' Deep, Add	*1,435.62*	
31 64 13 00-0066	EA	Bell Excavation And Concrete, 9' Bell Diameter Soft Rock/Shale 48" Shaft 4.48 CY	6,161.77	
		For >50' To 100' Deep, Add	*467.13*	
		For >100' To 150' Deep, Add	*1,540.44*	
		For >150' To 200' Deep, Add	*1,893.29*	
31 64 13 00-0067	EA	Bell Excavation And Concrete, 10" Bell Diameter Soft Rock/Shale 60" Shaft 5.24 CY	7,508.64	
		For >50' To 100' Deep, Add	*567.57*	
		For >100' To 150' Deep, Add	*1,877.16*	
		For >150' To 200' Deep, Add	*2,305.05*	
31 64 13 00-0068	EA	Bell Excavation And Concrete, 12' Bell Diameter Soft Rock/Shale 72" Shaft 8.74 CY	11,353.12	
		For >50' To 100' Deep, Add	*864.88*	
		For >100' To 150' Deep, Add	*2,838.28*	
		For >150' To 200' Deep, Add	*3,493.64*	
31 64 13 00-0069	EA	Bell Excavation And Concrete, 14' Bell Diameter Soft Rock/Shale 84" Shaft 13.6 CY	17,074.77	
		For >50' To 100' Deep, Add	*1,304.09*	
		For >100' To 150' Deep, Add	*4,268.69*	
		For >150' To 200' Deep, Add	*5,258.50*	

31 64 13 00-0070 Caisson Setup And Removal *(31 64 13)*

Note: Includes mobilization of equipment, erection, dismantling of equipment, move off of site.

31 64 13 00-0071	EA	Erect, Set Up, Dismantle And Remove Caisson 18" To 36" Diameter, Complete	2,766.42
31 64 13 00-0072	EA	Erect, Set Up, Dismantle And Remove Caisson 48" To 84" Diameter, Complete	3,888.75
31 64 13 00-0073	EA	Dismantle, Relocate, Erect And Set Up On Site At Different Location (During Same Phase Of Work), Caisson 18" To 36" Diameter	1,308.13
31 64 13 00-0074	EA	Dismantle, Relocate, Erect And Set Up On Site At Different Location (During Same Phase Of Work), Caisson 48" To 84" Diameter	1,744.17
31 64 13 00-0075	EA	Relocate Caisson Equipment To Different Hole On-Site Without Dismantling	109.01

31 68 Foundation Anchors *(31 60)*

31 68 13 Rock Foundation Anchors *(31 68)*

31 68 13 00-0001 Materials And Placement *(31 68 13)*

31 68 13 00-0002 Hollow Core Prestressable Anchor, ASTM A615 *(31 68 13 00-0001)*

Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0091 for head assembly, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0198 for grouting, 31 68 13 00-0207 for rock bolt testing.

31 68 13 00-0003 3/4" Diameter *(31 68 13 00-0002)*

31 68 13 00-0004	EA	3/4" Rock Bolt, 5' Hollow Core Prestressable Anchor	116.05
31 68 13 00-0005	EA	3/4" Rock Bolt, 10' Hollow Core Prestressable Anchor	167.42
31 68 13 00-0006	EA	3/4" Rock Bolt, 15' Hollow Core Prestressable Anchor	206.10
31 68 13 00-0007	EA	3/4" Rock Bolt, 20' Hollow Core Prestressable Anchor	270.16

31 68 13 00-0008 1" Diameter *(31 68 13 00-0002)*

31 68 13 00-0009	EA	1" Rock Bolt, 5' Hollow Core Prestressable Anchor	148.38
31 68 13 00-0010	EA	1" Rock Bolt, 10' Hollow Core Prestressable Anchor	229.58
31 68 13 00-0011	EA	1" Rock Bolt, 15' Hollow Core Prestressable Anchor	298.09
31 68 13 00-0012	EA	1" Rock Bolt, 20' Hollow Core Prestressable Anchor	392.00

31 68 13 00-0013 1-3/8" Diameter *(31 68 13 00-0002)*

31 68 13 00-0014	EA	1-3/8" Rock Bolt, 5' Hollow Core Prestressable Anchor	248.06
31 68 13 00-0015	EA	1-3/8" Rock Bolt, 10' Hollow Core Prestressable Anchor	386.41
31 68 13 00-0016	EA	1-3/8" Rock Bolt, 15' Hollow Core Prestressable Anchor	512.10
31 68 13 00-0017	EA	1-3/8" Rock Bolt, 20' Hollow Core Prestressable Anchor	663.15

31 68 13 00-0018 2" Diameter *(31 68 13 00-0002)*

31 68 13 00-0019	EA	2" Rock Bolt, 5' Hollow Core Prestressable Anchor	551.20
31 68 13 00-0020	EA	2" Rock Bolt, 10' Hollow Core Prestressable Anchor	820.12
31 68 13 00-0021	EA	2" Rock Bolt, 15' Hollow Core Prestressable Anchor	1,076.30
31 68 13 00-0022	EA	2" Rock Bolt, 20' Hollow Core Prestressable Anchor	1,357.90

31 68 13 00-0023 Super High-Tensile Anchors, ASTM A-108 *(31 68 13 00-0001)*

Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0091 for head assembly, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0198 for grouting, 31 68 13 00-0207 for rock bolt testing.

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 68 13 00-0024		3/4" Diameter *(31 68 13 00-0023)*		
31 68 13 00-0025	EA	3/4" Rock Bolt, 5' Super High-Tensile Anchor	83.34	
31 68 13 00-0026	EA	3/4" Rock Bolt, 10' Super High-Tensile Anchor	111.19	
31 68 13 00-0027	EA	3/4" Rock Bolt, 15' Super High-Tensile Anchor	126.29	
31 68 13 00-0028	EA	3/4" Rock Bolt, 20' Super High-Tensile Anchor	165.69	
31 68 13 00-0029		1" Diameter *(31 68 13 00-0023)*		
31 68 13 00-0030	EA	1" Rock Bolt, 5' Super High-Tensile Anchor	100.12	
31 68 13 00-0031	EA	1" Rock Bolt, 10' Super High-Tensile Anchor	139.46	
31 68 13 00-0032	EA	1" Rock Bolt, 15' Super High-Tensile Anchor	164.76	
31 68 13 00-0033	EA	1" Rock Bolt, 20' Super High-Tensile Anchor	215.43	
31 68 13 00-0034		1-1/4" Diameter *(31 68 13 00-0023)*		
31 68 13 00-0035	EA	1-1/4" Rock Bolt, 5' Super High-Tensile Anchor	149.40	
31 68 13 00-0036	EA	1-1/4" Rock Bolt, 10' Super High-Tensile Anchor	210.10	
31 68 13 00-0037	EA	1-1/4" Rock Bolt, 15' Super High-Tensile Anchor	257.79	
31 68 13 00-0038	EA	1-1/4" Rock Bolt, 20' Super High-Tensile Anchor	328.88	
31 68 13 00-0039		2" Diameter *(31 68 13 00-0023)*		
31 68 13 00-0040	EA	2" Rock Bolt, 5' Super High-Tensile Anchor	400.24	
31 68 13 00-0041	EA	2" Rock Bolt, 10' Super High-Tensile Anchor	569.38	
31 68 13 00-0042	EA	2" Rock Bolt, 15' Super High-Tensile Anchor	696.59	
31 68 13 00-0043	EA	2" Rock Bolt, 20' Super High-Tensile Anchor	856.89	
31 68 13 00-0044		Solid Rebar Anchors, ASTM A615 *(31 68 13 00-0001)* Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0091 for head assembly, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0198 for grouting, 31 68 13 00-0207 for rock bolt testing.		
31 68 13 00-0045		3/4" Diameter *(31 68 13 00-0044)*		
31 68 13 00-0046	EA	3/4" Rock Bolt, 5' Solid Rebar Anchor	77.96	
31 68 13 00-0047	EA	3/4" Rock Bolt, 10' Solid Rebar Anchor	99.80	
31 68 13 00-0048	EA	3/4" Rock Bolt, 15' Solid Rebar Anchor	108.93	
31 68 13 00-0049	EA	3/4" Rock Bolt, 20' Solid Rebar Anchor	143.46	
31 68 13 00-0050		1" Diameter *(31 68 13 00-0044)*		
31 68 13 00-0051	EA	1" Rock Bolt, 5' Solid Rebar Anchor	88.32	
31 68 13 00-0052	EA	1" Rock Bolt, 10' Solid Rebar Anchor	116.95	
31 68 13 00-0053	EA	1" Rock Bolt, 15' Solid Rebar Anchor	132.89	
31 68 13 00-0054	EA	1" Rock Bolt, 20' Solid Rebar Anchor	174.19	
31 68 13 00-0055		1-1/4" Diameter *(31 68 13 00-0044)*		
31 68 13 00-0056	EA	1-1/4" Rock Bolt, 5' Solid Rebar Anchor	129.80	
31 68 13 00-0057	EA	1-1/4" Rock Bolt, 10' Solid Rebar Anchor	167.38	
31 68 13 00-0058	EA	1-1/4" Rock Bolt, 15' Solid Rebar Anchor	192.33	
31 68 13 00-0059	EA	1-1/4" Rock Bolt, 20' Solid Rebar Anchor	242.64	
31 68 13 00-0060		Resin Anchoring With Grade 60 Rebar *(31 68 13 00-0001)* Note: Pricing includes only material and labor to install anchors.. See CSI section 31 68 13 00-0081 for rebar collars, 31 68 13 00-0083 for resin cartridges, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0207 for rock bolt testing.		
31 68 13 00-0061		Rebar #6 *(31 68 13 00-0060)*		
31 68 13 00-0062	EA	#6 Rebar Rock Anchor, 5' Resin Anchor With Grade 60 Rebar	41.56	
31 68 13 00-0063	EA	#6 Rebar Rock Anchor, 10' Resin Anchor With Grade 60 Rebar	57.72	
31 68 13 00-0064	EA	#6 Rebar Rock Anchor, 15' Resin Anchor With Grade 60 Rebar	61.20	
31 68 13 00-0065	EA	#6 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar	83.10	
31 68 13 00-0066		Rebar #8 *(31 68 13 00-0060)*		
31 68 13 00-0067	EA	#8 Rebar Rock Bolt, 5' Resin Anchor With Grade 60 Rebar	44.26	
31 68 13 00-0068	EA	#8 Rebar Rock Bolt, 10' Resin Anchor With Grade 60 Rebar	63.13	
31 68 13 00-0069	EA	#8 Rebar Rock Bolt, 15' Resin Anchor With Grade 60 Rebar	69.31	
31 68 13 00-0070	EA	#8 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar	100.87	
31 68 13 00-0071		Rebar #10 *(31 68 13 00-0060)*		
31 68 13 00-0072	EA	#10 Rebar Rock Bolt, 5' Resin Anchor With Grade 60 Rebar	48.12	
31 68 13 00-0073	EA	#10 Rebar Rock Bolt, 10' Resin Anchor With Grade 60 Rebar	70.85	
31 68 13 00-0074	EA	#10 Rebar Rock Bolt, 15' Resin Anchor With Grade 60 Rebar	80.89	
31 68 13 00-0075	EA	#10 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar	116.31	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 68 13 00-0076		**Rebar #14** *(31 68 13 00-0060)*		
31 68 13 00-0077	EA	#14 Rebar Rock Bolt, 5' Resin Anchor With Grade 60 Rebar	57.39	
31 68 13 00-0078	EA	#14 Rebar Rock Bolt, 10' Resin Anchor With Grade 60 Rebar	89.39	
31 68 13 00-0079	EA	#14 Rebar Rock Bolt, 15' Resin Anchor With Grade 60 Rebar	108.70	
31 68 13 00-0080	EA	#14 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar	153.39	
31 68 13 00-0081		**Plastic Rebar Collars, Sizes #6-#14** *(31 68 13 00-0060)*		
31 68 13 00-0082	EA	Plastic Rebar Collars For Rebar #4 To #14	0.64	
31 68 13 00-0083		**12" Long Resin Cartridges** *(31 68 13 00-0001)*		
31 68 13 00-0084	EA	7/8" Resin Cartridge 12" Long	1.30	
31 68 13 00-0085	EA	1" Resin Cartridge 12" Long	1.78	
31 68 13 00-0086	EA	1-1/16" Resin Cartridge 12" Long	1.91	
31 68 13 00-0087	EA	1-1/4" Resin Cartridge 12" Long	2.06	
31 68 13 00-0088	EA	1-3/8" Resin Cartridge 12" Long	2.36	
31 68 13 00-0089	EA	1-9/16" Resin Cartridge 12" Long	2.96	
31 68 13 00-0090	EA	1-3/4" Resin Cartridge 12" Long	4.07	
31 68 13 00-0091		**Head Assembly** *(31 68 13 00-0001)*		
31 68 13 00-0092		**3/4" Rod Diameter** *(31 68 13 00-0091)*		
31 68 13 00-0093	EA	3/4" Rod Head Assembly 1-5/8" Short Cone and Shell	16.90	
31 68 13 00-0094	EA	3/4" Rod Head Assembly 1-3/4" Short Cone and Shell	14.23	
31 68 13 00-0095	EA	3/4" Rod Head Assembly 1-7/8" Short Cone and Shell	14.93	
31 68 13 00-0096	EA	3/4" Rod Head Assembly 1-3/4" Long Cone and Shell	26.80	
31 68 13 00-0097	EA	3/4" Rod Head Assembly 1-7/8" Long Cone and Shell	26.80	
31 68 13 00-0098	EA	3/4" Rod Head Assembly 1-3/4" Long Cone and Shell	25.39	
31 68 13 00-0099		**1" Rod Diameter** *(31 68 13 00-0091)*		
31 68 13 00-0100	EA	1" Rod Head Assembly 1-5/8" Short Cone and Shell	18.21	
31 68 13 00-0101	EA	1" Rod Head Assembly 1-3/4" Short Cone and Shell	15.58	
31 68 13 00-0102	EA	1" Rod Head Assembly 1-7/8" Short Cone and Shell	16.28	
31 68 13 00-0103	EA	1" Rod Head Assembly 1-3/4" Long Cone and Shell	28.19	
31 68 13 00-0104	EA	1" Rod Head Assembly 1-7/8" Long Cone and Shell	28.19	
31 68 13 00-0105	EA	1" Rod Head Assembly 1-3/4" Long Cone and Shell	26.88	
31 68 13 00-0106		**1-1/4" Rod Diameter** *(31 68 13 00-0091)*		
31 68 13 00-0107	EA	1-1/4" Rod Head Assembly 2" Short Cone and Shell	40.63	
31 68 13 00-0108	EA	1-1/4" Rod Head Assembly 2-1/4" Short Cone and Shell	47.46	
31 68 13 00-0109	EA	1-1/4" Rod Head Assembly 2-1/2" Short Cone and Shell	48.14	
31 68 13 00-0110	EA	1-1/4" Rod Head Assembly 2-1/4" Long Cone and Shell	42.69	
31 68 13 00-0111	EA	1-1/4" Rod Head Assembly 2-1/2" Long Cone and Shell	49.78	
31 68 13 00-0112		**1-7/8" Rod Diameter** *(31 68 13 00-0091)*		
31 68 13 00-0113	EA	1-7/8" Rod Head Assembly 3-1/2" Long Cone/Shell/Fl	159.91	
31 68 13 00-0114	EA	1/7/8" Rod Head Assembly 3" Long Cone and Shell	110.24	
31 68 13 00-0115		**2" Rod Diameter** *(31 68 13 00-0091)*		
31 68 13 00-0116	EA	2" Rod Head Assembly 3-1/2" Long Cone/Shell/Fl	159.91	
31 68 13 00-0117	EA	2" Rod Head Assembly 3" Long Cone and Shell	110.24	
31 68 13 00-0118		**Steel Plates With Standard Hole And Washers** *(31 68 13 00-0001)*		
31 68 13 00-0119		**Steel Plates** *(31 68 13 00-0118)*		
31 68 13 00-0120	EA	1/4" x 4" x 4" Steel Plate For Rock Bolt With Washer	3.29	
31 68 13 00-0121	EA	1/4" x 6" x 6" Steel Plate For Rock Bolt With Washer	6.08	
31 68 13 00-0122	EA	3/8" x 6" x 6" Steel Plate For Rock Bolt With Washer	8.47	
31 68 13 00-0123	EA	3/8" x 8" x 8" Steel Plate For Rock Bolt With Washer	14.84	
31 68 13 00-0124	EA	1/2" x 5" x 5" Steel Plate For Rock Bolt With Washer	5.76	
31 68 13 00-0125	EA	1/2" x 8" x 8" Steel Plate For Rock Bolt With Washer	15.14	
31 68 13 00-0126	EA	3/4" x 7" x 7" Steel Plate For Rock Bolt With Washer	25.13	
31 68 13 00-0127	EA	3/4" x 8" x 8" Steel Plate For Rock Bolt With Washer	35.60	
31 68 13 00-0128	EA	1" x 4" x 7" Steel Plate For Rock Bolt With Washer	21.37	
31 68 13 00-0129	EA	1" x 9" x 9" Steel Plate For Rock Bolt With Washer	60.46	
31 68 13 00-0130	EA	1" x 12" x 12" Steel Plate For Rock Bolt With Washer	89.09	
31 68 13 00-0131	EA	1-1/4" x 5" x 8" Steel Plate For Rock Bolt With Washer	39.11	
31 68 13 00-0132	EA	1-1/4" x 11" x 11" Steel Plate For Rock Bolt With Washer	105.77	
31 68 13 00-0133	EA	1-1/2" x 5" x 10" Steel Plate For Rock Bolt With Washer	52.90	
31 68 13 00-0134	EA	1-1/2" x 12" x 12" Steel Plate For Rock Bolt With Washer	127.22	
31 68 13 00-0135	EA	1-3/4" x 5" x 10" Steel Plate For Rock Bolt With Washer	58.39	
31 68 13 00-0136	EA	1-3/4" x 12" x 12" Steel Plate For Rock Bolt With Washer	141.10	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 68 13 00-0137		Hardened Washers *(31 68 13 00-0118)*		
31 68 13 00-0138	EA	Hardened Washer For 3/4" Diameter Rock Bolt	0.56	
31 68 13 00-0139	EA	Hardened Washer For 1" Diameter Rock Bolt	0.77	
31 68 13 00-0140	EA	Hardened Washer For 1-1/4" Diameter Rock Bolt	2.16	
31 68 13 00-0141	EA	Hardened Washer For 2" Diameter Rock Bolt	5.39	
31 68 13 00-0142		Beveled Washers *(31 68 13 00-0118)*		
31 68 13 00-0143	EA	Beveled Washer For 3/4" Diameter Rock Bolt	1.41	
31 68 13 00-0144	EA	Beveled Washer For 7/8" To 1-1/8" Diameter Rock Bolt	1.39	
31 68 13 00-0145	EA	Beveled Wash For 1-1/4" To 1-3/8" Diameter Rock Bolt	2.10	
31 68 13 00-0146	EA	Beveled Washer For 1-1/2" Diameter Rock Bolt	9.00	
31 68 13 00-0147	EA	Beveled Washer For 2" Diameter Rock Bolt	6.22	
31 68 13 00-0148		Hex Nuts *(31 68 13 00-0118)*		
31 68 13 00-0149	EA	Hex Nut For 3/4" Diameter Rock Bolt	1.10	
31 68 13 00-0150	EA	Hex Nut For 1" Diameter Rock Bolt	1.80	
31 68 13 00-0151	EA	Hex Nut For 1-1/4" Diameter Rock Bolt	7.36	
31 68 13 00-0152	EA	Hex Nut For 1-1/2" Diameter Rock Bolt	4.63	
31 68 13 00-0153	EA	Hex Nut For 2" Diameter Rock Bolt	29.56	
31 68 13 00-0154		Drilling Operation For Rockbolts *(31 68 13)*		
31 68 13 00-0155		Drill Holes For Rock Bolts *(31 68 13 00-0154)*		
31 68 13 00-0156		3/4" Diameter Bolt, 1-3/4" Hole *(31 68 13 00-0155)*		
31 68 13 00-0157	EA	Drill 1-3/4" Diameter Hole x 5' Long For 3/4" Diameter Rock Bolts	135.23	
31 68 13 00-0158	EA	Drill 1-3/4" Diameter Hole x 10' Long For 3/4" Diameter Rock Bolts	255.44	
31 68 13 00-0159	EA	Drill 1-3/4" Diameter Hole x 15' Long For 3/4" Diameter Rock Bolts	383.15	
31 68 13 00-0160	EA	Drill 1-3/4" Diameter Hole x 20' Long For 3/4" Diameter Rock Bolts	459.78	
31 68 13 00-0161		1" Diameter Bolt, 2" Hole *(31 68 13 00-0155)*		
31 68 13 00-0162	EA	Drill 2" Diameter Hole x 5' Long For 1" Diameter Rock Bolt	176.84	
31 68 13 00-0163	EA	Drill 2" Diameter Hole x 10' Long For 1" Diameter Rock Bolt	328.42	
31 68 13 00-0164	EA	Drill 2" Diameter Hole x 15' Long For 1" Diameter Rock Bolt	459.78	
31 68 13 00-0165	EA	Drill 2" Diameter Hole x 20' Long For 1" Diameter Rock Bolt	574.73	
31 68 13 00-0166		1-1/4" Diameter Bolt, 2-1/4" Hole *(31 68 13 00-0155)*		
31 68 13 00-0167	EA	Drill 2-1/4" Diameter Hole x 5' Long For 1-1/4" Diameter Rock Bolt	191.58	
31 68 13 00-0168	EA	Drill 2-1/4" Diameter Hole x 10' Long For 1-1/4" Diameter Rock Bolt	383.15	
31 68 13 00-0169	EA	Drill 2-1/4" Diameter Hole x 15' long For 1-1/4" Diameter Rock Bolt	574.73	
31 68 13 00-0170	EA	Drill 2-1/4" Diameter Hole x 20' Long For 1-1/4" Diameter Rock Bolt	766.31	
31 68 13 00-0171		2" Diameter Bolt, 3-1/2" Hole *(31 68 13 00-0155)*		
31 68 13 00-0172	EA	Drill 3-1/2" Diameter Hole x 5 Long For 2" Diameter Rock Bolt	229.90	
31 68 13 00-0173	EA	Drill 3-1/2" Diameter Hole x 10' Long For 2" Diameter Rock Bolt	459.78	
31 68 13 00-0174	EA	Drill 3-1/2" Diameter Hole x 15' Long For 2" Diameter Rock Bolts	766.31	
31 68 13 00-0175	EA	Drill 3-1/2" Diameter Hole x 20' Long For 2" Diameter Rock Bolt	1,149.46	
31 68 13 00-0176		Tools *(31 68 13)*		
31 68 13 00-0177		Hydraulic Jacks, Monthly Rental *(31 68 13 00-0176)*		
31 68 13 00-0178	EA	1/2" To 1", 30 Ton Hydraulic Jack For Rock Bolt, 2" Stroke	243.23	
31 68 13 00-0179	EA	1-1/8" To 1-3/8", 60 Ton Hydraulic Jack For Rock Bolt, 3" Stroke	358.45	
31 68 13 00-0180	EA	1-1/8" To 1-3/8", 60 Ton Hydraulic Jack For Rock Bolt, 10" Stroke	601.34	
31 68 13 00-0181	EA	1-7/8" To 2", 100 Ton Hydraulic Jack For Rock Bolt, 10" Stroke	900.29	
31 68 13 00-0182	EA	1-7/8" To 2", 150 Ton Hydraulic Jack For Rock Bolt, 12" Stroke	1,345.77	
31 68 13 00-0183		Torque Wrenches And Ratchet Adapter, Monthly Rental *(31 68 13 00-0176)*		
31 68 13 00-0184		0-500 Foot Pounds (0-678J) *(31 68 13 00-0183)*		
31 68 13 00-0185	EA	1/2" To 1" Bolt Diameter Torque Wrench 0 To 500 Foot Pounds, Monthly Rental	127.61	
31 68 13 00-0186	EA	Torque Wrench Ratchet Adapter Monthly Rental, 0 To 500 Foot Pounds	79.99	
31 68 13 00-0187	EA	Torque Wrench With Adapter 0 To 500 Foot Pounds, Monthly Rental	207.75	
31 68 13 00-0188		0-600 Foot Pounds (0-814J) *(31 68 13 00-0183)*		
31 68 13 00-0189	EA	0 To 600 Foot Pounds Torque Wrench Self-Ratcheting, Monthly Rental	144.88	
31 68 13 00-0190		Up To 1,000 Foot Pounds (0-1356J) *(31 68 13 00-0183)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 68 13 00-0191	EA	1-1/8" To 2" Bolt Diameter Torque Wrench 0 To 1,000 Foot Pounds, Monthly Rental	278.24	
31 68 13 00-0192	EA	Torque Wrench Ratchet Adapter 0 To 1,000 Foot Pounds, Monthly Rental	68.63	
31 68 13 00-0193	EA	Torque Wrench With Ratchet 0 To 1,000 Foot Pounds, Monthly Rental	346.87	
31 68 13 00-0194		Torque Multiplier, 4:1 Multiplier *(31 68 13 00-0176)*		
31 68 13 00-0195	EA	Torque Multiplier, 4 To 1 Ratio	356.36	
31 68 13 00-0196		Pneumatic Drive Torque Wrench *(31 68 13 00-0176)*		
31 68 13 00-0197	EA	Pneumatic Drive Torque Wrench 250 To 900 Foot Pounds (339J - 1220J)	762.52	
31 68 13 00-0198		Grouting *(31 68 13)*		
31 68 13 00-0199		Grouting With Pumps *(31 68 13 00-0198)*		
		Note: Grout material and labor only.		
31 68 13 00-0200	GAL	Rock Bolt Grouting, Hand Pump 1 To 2 GPM Delivery	11.25	
31 68 13 00-0201	GAL	Rock Bolt Grouting, Air Pump 3 To 4 GPM Continuous Delivery	17.45	
31 68 13 00-0202	GAL	Rock Bolt Grout, Air/Piston Pump 2 To 4 GPM Delivery	16.13	
31 68 13 00-0203		Grout Pumps, Monthly Rental *(31 68 13 00-0198)*		
31 68 13 00-0204	EA	Hand Grout Pump, Monthly Rental	120.97	
31 68 13 00-0205	EA	Air Powered Programmable Feed Grout Pump Monthly Rental	1,017.60	
31 68 13 00-0206	EA	Air Powered, Piston Drive Grout Pump Monthly Rental	1,776.64	
31 68 13 00-0207		Rock Bolt Testing *(31 68 13)*		
31 68 13 00-0208	EA	Rock Bolt Test, Low To Medium Capacity LF >100 Bolts Need Testing	301.04	

END OF SECTION 31

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 Exterior Improvements

32 01 Operation And Maintenance Of Exterior Improvements *(32)*

32 01 11 Paving Cleaning *(32 01)*

32 01 11 53 Paint Removal From Paving *(32 01 11)*

32 01 11 53-0001 Remove Pavement Markings *(32 01 11 53)*
Note: Includes vacuuming of removed striped area and containment of debris. Excludes disposal.

32 01 11 53-0002	LF	Remove 4" Wide Painted Or Epoxy Pavement Striping	1.47	
		For Up To 250, Add	*0.74*	
		For >250 To 1,000, Add	*0.37*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 25,000, Deduct	*-0.37*	
		For >25,000 To 50,000, Deduct	*-0.51*	
		For >50,000, Deduct	*-0.59*	
32 01 11 53-0003	LF	Remove 6" Wide Painted Or Epoxy Pavement Striping	1.77	
		For Up To 250, Add	*0.89*	
		For >250 To 1,000, Add	*0.44*	
		For >5,000 To 10,000, Deduct	*-0.27*	
		For >10,000 To 25,000, Deduct	*-0.44*	
		For >25,000 To 50,000, Deduct	*-0.62*	
		For >50,000, Deduct	*-0.71*	
32 01 11 53-0004	LF	Remove 8" Wide Painted Or Epoxy Pavement Striping	2.12	
		For Up To 250, Add	*1.06*	
		For >250 To 1,000, Add	*0.53*	
		For >5,000 To 10,000, Deduct	*-0.32*	
		For >10,000 To 25,000, Deduct	*-0.53*	
		For >25,000 To 50,000, Deduct	*-0.74*	
		For >50,000, Deduct	*-0.85*	
32 01 11 53-0005	LF	Remove 12" Wide Painted Or Epoxy Pavement Striping	2.54	
		For Up To 250, Add	*1.27*	
		For >250 To 1,000, Add	*0.64*	
		For >5,000 To 10,000, Deduct	*-0.38*	
		For >10,000 To 25,000, Deduct	*-0.64*	
		For >25,000 To 50,000, Deduct	*-0.89*	
		For >50,000, Deduct	*-1.02*	
32 01 11 53-0006	SF	Remove Painted Or Epoxy Pavement Marking, Letters Or Symbols	2.54	
		For Up To 250, Add	*1.27*	
		For >250 To 1,000, Add	*0.64*	
		For >5,000 To 10,000, Deduct	*-0.38*	
		For >10,000 To 25,000, Deduct	*-0.64*	
		For >25,000 To 50,000, Deduct	*-0.89*	
		For >50,000, Deduct	*-1.02*	
32 01 11 53-0007	LF	Remove 4" Wide Thermoplastic Pavement Striping	1.89	
		For Up To 250, Add	*0.95*	
		For >250 To 1,000, Add	*0.47*	
		For >5,000 To 10,000, Deduct	*-0.28*	
		For >10,000 To 25,000, Deduct	*-0.47*	
		For >25,000 To 50,000, Deduct	*-0.66*	
		For >50,000, Deduct	*-0.76*	
32 01 11 53-0008	LF	Remove 6" Wide Thermoplastic Pavement Striping	2.24	
		For Up To 250, Add	*1.12*	
		For >250 To 1,000, Add	*0.56*	
		For >5,000 To 10,000, Deduct	*-0.34*	
		For >10,000 To 25,000, Deduct	*-0.56*	
		For >25,000 To 50,000, Deduct	*-0.78*	
		For >50,000, Deduct	*-0.90*	
32 01 11 53-0009	LF	Remove 8" Wide Thermoplastic Pavement Striping	2.70	
		For Up To 250, Add	*1.35*	
		For >250 To 1,000, Add	*0.68*	
		For >5,000 To 10,000, Deduct	*-0.41*	
		For >10,000 To 25,000, Deduct	*-0.68*	
		For >25,000 To 50,000, Deduct	*-0.95*	
		For >50,000, Deduct	*-1.08*	
32 01 11 53-0010	LF	Remove 12" Wide Thermoplastic Pavement Striping	3.23	
		For Up To 250, Add	*1.62*	
		For >250 To 1,000, Add	*0.81*	
		For >5,000 To 10,000, Deduct	*-0.48*	
		For >10,000 To 25,000, Deduct	*-0.81*	
		For >25,000 To 50,000, Deduct	*-1.13*	
		For >50,000, Deduct	*-1.29*	
32 01 11 53-0011	SF	Remove Thermoplastic Pavement Marking, Letters Or Symbols	3.23	
		For Up To 250, Add	*1.62*	
		For >250 To 1,000, Add	*0.81*	
		For >5,000 To 10,000, Deduct	*-0.48*	
		For >10,000 To 25,000, Deduct	*-0.81*	
		For >25,000 To 50,000, Deduct	*-1.13*	
		For >50,000, Deduct	*-1.29*	

32 01 16 Flexible Paving Rehabilitation *(32 01)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 01 16 71 Cold Milling Asphalt Pavement *(32 01 16)*

32 01 16 71-0001 Removal Of Asphalt Surface Course *(32 01 16 71)*

Note: Includes direct loading into truck.

32 01 16 71-0002 Production Cold Milling Of Roads And Parking Areas *(32 01 16 71-0001)*

Note: For removal of entire lanes of roads or parking areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc.

32 01 16 71-0003	SY	Production Cold Milling Of Asphalt Up To 3" Depth		3.19
		For Up To 2,500, Add	*1.60*	
		For >2,500 To 5,000, Add	*0.80*	
		For >10,000 To 25,000, Deduct	*-0.32*	
		For >25,000, Deduct	*-0.48*	
32 01 16 71-0004	SY	>3" To 6" Depth, Production Cold Milling Of Asphalt		4.24
		For Up To 2,500, Add	*2.12*	
		For >2,500 To 5,000, Add	*1.06*	
		For >10,000 To 25,000, Deduct	*-0.42*	
		For >25,000, Deduct	*-0.64*	
32 01 16 71-0005	SY	>6" To 12" Depth, Production Cold Milling Of Asphalt		5.65
		For Up To 2,500, Add	*2.83*	
		For >2,500 To 5,000, Add	*1.41*	
		For >10,000 To 25,000, Deduct	*-0.57*	
		For >25,000, Deduct	*-0.85*	

32 01 16 71-0006 Limited Production Cold Milling *(32 01 16 71-0001)*

Note: For cross sections of roadways, trenching, partial shoulders, and other small or narrow areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc.

32 01 16 71-0007	SY	Limited Cold Milling Of Asphalt Up To 3" Depth		20.11
		For >100 To 1,000, Deduct	*-10.06*	
		For >1,000, Deduct	*-15.08*	
32 01 16 71-0008	SY	>3" To 6" Depth, Limited Cold Milling Of Asphalt		26.64
		For >100 To 1,000, Deduct	*-13.32*	
		For >1,000, Deduct	*-19.98*	
32 01 16 71-0009	SY	>6" To 12" Depth, Limited Cold Milling Of Asphalt		35.48
		For >100 To 1,000, Deduct	*-17.74*	
		For >1,000, Deduct	*-26.61*	

32 01 16 71-0010 Grind, Leave In-Place Asphalt Grindings *(32 01 16 71)*

Note: For use as subbase material, includes spreading and rolling.

32 01 16 71-0011	SY	Grind, Leave In-Place As Subbase Course, 6-9" Depth	5.52

32 01 16 71-0012 Wedge Grinding Cold Milling *(32 01 16 71)*

Note: Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes water truck. Excludes mobilization, sweeping and cleaning, hauling and disposal. See CSI section 01 74 16 00-0001 for sweeping and cleaning .

32 01 16 71-0013	LF	5' Wedge Gringing/Cold Milling Of Asphalt Up To 3" Depth	5.58
32 01 16 71-0014	LF	10' Wedge Gringing/Cold Milling Of Asphalt Up To 3" Depth	11.18

32 01 16 71-0015 Cutback Ramp *(32 01 16 71)*

32 01 16 71-0016	LF	1" Differential, 5' Length, Cutback Ramp	8.62
32 01 16 71-0017	LF	1-1/2" Differential, 5' Length, Cutback Ramp	10.23
32 01 16 71-0018	LF	2" Differential, 5' Length, Cutback Ramp	11.71

32 01 16 72 Asphalt Paving Reuse *(32 01 16)*

32 01 16 72-0001 Rejuvenate, Respread Asphalt Pavement *(32 01 16 72)*

Note: Includes direct loading into truck.

32 01 16 72-0002	SY	Remove, Rejuvenate, Respread Asphalt Grindings To 1/2" Deep	8.74
32 01 16 72-0003	SY	Remove, Rejuvenate, Respread Asphalt Grindings To 1/2" Deep, Previously Sealed Cold Tar	10.28
32 01 16 72-0004	TON	Remove, Rejuvenate, Respread Asphalt Grindings	137.74

32 01 16 72-0005 Reclamation, Pulverize And Blending With Existing *(32 01 16 72)*

Note: Includes direct loading into truck.

32 01 16 72-0006	SY	Up To 2" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	10.84
32 01 16 72-0007	SY	Up To 2" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	5.41
32 01 16 72-0008	SY	Up To 2" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	2.71
32 01 16 72-0009	SY	Up To 2" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	2.56
32 01 16 72-0010	SY	>2" To 3" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	2.95
32 01 16 72-0011	SY	>2" To 3" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	11.82
32 01 16 72-0012	SY	>2" To 3" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	5.92

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 16 72-0013	SY	>2" To 3" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	2.78	
32 01 16 72-0014	SY	>3" To 4" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	13.01	
32 01 16 72-0015	SY	>3" To 4" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	6.50	
32 01 16 72-0016	SY	>3" To 4" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	3.25	
32 01 16 72-0017	SY	>3" To 4" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	3.00	
32 01 16 72-0018	SY	>4" To 8" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	14.19	
32 01 16 72-0019	SY	>4" To 8" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	7.09	
32 01 16 72-0020	SY	>4" To 8" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	3.55	
32 01 16 72-0021	SY	>4" To 8" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	3.31	
32 01 16 72-0022	EA	Mobilization And Demobilization For Reclamation, Pulverizing And Blending Crew	1,219.12	

32 01 16 73 In Place Cold Reused Asphalt Paving *(32 01 16)*

32 01 16 73-0001 Cold-In-Place-Full Depth Reclamation With Foam Asphalt (FDR-FA) *(32 01 16 73)*

Note: Includes milling Up To 12" of existing AC surface. Excludes traffic control, grading, utilities adjustment and wearing course of either Chip Seal or HMA overlay of the finished surface.

32 01 16 73-0002	SF	Up To 30,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA)	3.36	
32 01 16 73-0003	SF	>30,000 To 42,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA)	3.13	
32 01 16 73-0004	SF	>42,000 To 71,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA)	2.61	
32 01 16 73-0005	SF	>71,000 To 130,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA)	2.21	
32 01 16 73-0006	SF	>130,000 To 250,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA)	1.97	
32 01 16 73-0007	SF	>250,000 To 500,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA)	1.81	
32 01 16 73-0008	SF	>500,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA)	1.70	

32 01 16 73-0009 Cold-In-Place-Full Depth Reclamation Process With Cement (FDR-C) *(32 01 16 73)*

Note: Includes milling Up To 12" of existing AC surface. Excludes traffic control, grading, utilities adjustment and wearing course of either Chip Seal or HMA overlay of the finished surface.

32 01 16 73-0010	SF	Up To 30,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C)	3.58	
		For >12" To 18" Depth, Add	*1.23*	
32 01 16 73-0011	SF	>42,000 To 71,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C)	2.83	
		For >12" To 18" Depth, Add	*1.01*	
32 01 16 73-0012	SF	>71,000 To 130,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C)	2.43	
		For >12" To 18" Depth, Add	*0.89*	
32 01 16 73-0013	SF	>130,000 To 250,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C)	2.19	
		For >12" To 18" Depth, Add	*0.82*	
32 01 16 73-0014	SF	>250,000 To 500,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C)	2.03	
		For >12" To 18" Depth, Add	*0.77*	
32 01 16 73-0015	SF	>500,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C)	1.92	
		For >12" To 18" Depth, Add	*0.74*	

32 01 16 73-0016 Supplemental Aggregate *(32 01 16 73)*

32 01 16 73-0017	TON	Supplemental Aggregate	42.68	

32 01 16 73-0018 Cold-In-Place Recycling (CALTRAN) *(32 01 16 73)*

32 01 16 73-0019	TON	Sand Cover (CIPR)	58.00	
		For >500 To 1,000, Deduct	*-1.45*	
		For >1,000 To 2,500, Deduct	*-2.90*	
		For >2,500 To 5,000, Deduct	*-4.06*	
		For >5,000, Deduct	*-5.22*	
32 01 16 73-0020	SY	Cold In Place Recycling (CIPR)	6.50	
		For >10,000 To 25,000, Deduct	*-0.65*	
		For >25,000, Deduct	*-0.98*	
32 01 16 73-0021	TON	Cement (CIPR)	135.00	
		For >500 To 1,000, Deduct	*-3.38*	
		For >1,000 To 2,500, Deduct	*-6.75*	
		For >2,500 To 5,000, Deduct	*-9.45*	
		For >5,000, Deduct	*-12.15*	
32 01 16 73-0022	TON	Emulsified Recycling Agent (CIPR)	610.00	
		For >500 To 1,000, Deduct	*-15.25*	
		For >1,000 To 2,500, Deduct	*-30.50*	
		For >2,500 To 5,000, Deduct	*-42.70*	
		For >5,000, Deduct	*-54.90*	
32 01 16 73-0023	TON	Asphaltic Emulsion (CIPR)	610.00	
		For >500 To 1,000, Deduct	*-15.25*	
		For >1,000 To 2,500, Deduct	*-30.50*	
		For >2,500 To 5,000, Deduct	*-42.70*	
		For >5,000, Deduct	*-54.90*	

32 01 17 Flexible Paving Repair *(32 01)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

See CSI section 32 12 16 00-0000 for large area resurfacing.

32 01 17 61 Sealing Cracks In Asphalt Paving *(32 01 17)*

Note: Includes removing loose materials and cleaning.

32 01 17 61-0001 Asphalt Pavement Crack And Sealing Repair *(32 01 17 61)*

Note: Includes sweeping and cleaning of area.

32 01 17 61-0002	LF	Up To 200 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler	1.15
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add	*0.30*
		For 1" x 1/2" Fill, Add	*0.57*
		For Backer Rod, Add	*0.66*
32 01 17 61-0003	LF	>200 To 500 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler	0.93
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add	*0.25*
		For 1" x 1/2" Fill, Add	*0.47*
		For Backer Rod, Add	*0.60*
32 01 17 61-0004	LF	>500 To 2,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler	0.74
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add	*0.20*
		For 1" x 1/2" Fill, Add	*0.38*
		For Backer Rod, Add	*0.55*
32 01 17 61-0005	LF	>2,000 To 5,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler	0.64
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add	*0.18*
		For 1" x 1/2" Fill, Add	*0.33*
		For Backer Rod, Add	*0.52*
32 01 17 61-0006	LF	>5,000 To 10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler	0.57
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add	*0.16*
		For 1" x 1/2" Fill, Add	*0.29*
		For Backer Rod, Add	*0.49*
32 01 17 61-0007	LF	>10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler	0.53
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add	*0.15*
		For 1" x 1/2" Fill, Add	*0.28*
		For Backer Rod, Add	*0.48*
32 01 17 61-0008	LF	Up To 200 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	2.24
32 01 17 61-0009	LF	>200 To 500 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	1.80
32 01 17 61-0010	LF	>500 To 2,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	1.38
32 01 17 61-0011	LF	>2,000 To 5,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	1.22
32 01 17 61-0012	LF	>5,000 To 10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	1.10
32 01 17 61-0013	LF	>10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	1.02
32 01 17 61-0014	LF	For Routing And Cleaning Of Crack, Add Per 1/2" Depth	0.41

32 01 17 63 Pavement Repair *(32 01 17)*

32 01 17 63-0001 Temporary Pot Hole Repair *(32 01 17 63)*

Note: Includes removal of loose material and moisture, bonding agent, compaction, safety cones and hauling up to 15 miles. Excludes signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0038 for hauling greater than 15 miles.

32 01 17 63-0002	EA	Temporary Pot Hole Repairs With Cold Mix Modified, Up To 3 Tons	1,281.30
32 01 17 63-0003	TON	Temporary Pot Hole Repairs With Cold Mix Modified	387.83
		Note: Use for each ton over 3 tons.	
32 01 17 63-0004	EA	Temporary Pot Hole Repairs With Cold Mix, Up To 3 Tons	1,223.13
32 01 17 63-0005	TON	Temporary Pot Hole Repairs With Cold Mix	368.44
		Note: Use for each ton over 3 tons.	
32 01 17 63-0006	EA	Temporary Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons	1,194.05
32 01 17 63-0007	TON	Temporary Pot Hole Repairs With Hot Mix Modified	358.75
		Note: Use for each ton over 3 tons.	
32 01 17 63-0008	EA	Temporary Pot Hole Repairs With Hot Mix, Up To 3 Tons	1,164.97
32 01 17 63-0009	TON	Temporary Pot Hole Repairs With Hot Mix	349.06
		Note: Use for each ton over 3 tons.	

32 01 17 63-0010 Permanent Pot Hole Repair *(32 01 17 63)*

Note: Includes removal of loose material and moisture, saw cutting, chipping, squaring off, bonding agent, compaction and hauling up to 15 miles Tasks do not include signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0038 for hauling greater than 15 miles.

32 01 17 63-0011	EA	Permanent Pot Hole Repairs With Cold Mix, Up To 3 Tons	1,303.00
32 01 17 63-0012	TON	Permanent Pot Hole Repairs With Cold Mix	423.76
		Note: Use for each ton over 3 tons.	
32 01 17 63-0013	EA	Permanent Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons	1,273.92
32 01 17 63-0014	TON	Permanent Pot Hole Repairs With Hot Mix Modified	414.07
		Note: Use for each ton over 3 tons.	
32 01 17 63-0015	EA	Permanent Pot Hole Repairs With Hot Mix, Up To 3 Tons	1,244.84
32 01 17 63-0016	TON	Permanent Pot Hole Repairs With Hot Mix	404.38
		Note: Use for each ton over 3 tons.	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 17 63-0017		Asphalt Placement For Small Repairs *(32 01 17 63)*		
		Note: This section is used for placing up to 100 tons of asphalt after a small area of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc. Includes mobilization of paving equipment such as a roller, placing the asphalt, and compaction. Excludes saw cutting, demolition of existing pavement, and new subbase material. Use approximately 0.055 tons per square yard per inch of depth. See CSI section 02 41 19 13-0001 for saw cutting, 32 12 16 13-0000 for areas requiring more than 100 tons.		
32 01 17 63-0018	EA	Asphalt Placement For Small Repair Areas, Cold Mix Modified, Up To 3 Tons	1,747.23	
		Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.		
32 01 17 63-0019	TON	Asphalt Placement For Small Repair Areas, Cold Mix Modified	245.82	
		Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.		
32 01 17 63-0020	EA	Asphalt Placement For Small Repair Areas, Cold Mix, Up To 3 Tons	1,689.06	
		Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.		
32 01 17 63-0021	TON	Asphalt Placement For Small Repair Areas, Cold Mix	226.43	
		Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.		
32 01 17 63-0022	EA	Asphalt Placement For Small Repair Areas, Hot Mix Modified, Up To 3 Tons	1,659.98	
		Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.		
32 01 17 63-0023	TON	Asphalt Placement For Small Repair Areas, Hot Mix Modified	216.74	
		Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.		
32 01 17 63-0024	EA	Asphalt Placement For Small Repair Areas, Hot Mix, Up To 3 Tons	1,630.90	
		Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.		
32 01 17 63-0025	TON	Asphalt Placement For Small Repair Areas, Hot Mix	207.05	
		Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.		
32 01 17 63-0026		Grind Asphalt *(32 01 17 63)*		
32 01 17 63-0027	SY	Grinding Asphalt To Level Bump Or Raised Area	17.02	

32 01 26 Rigid Paving Rehabilitation *(32 01)*

32 01 26 71 Grooving Of Concrete Paving *(32 01 26)*

32 01 26 71-0001		Roadway Grooving *(32 01 26 71)*		
32 01 26 71-0002	SY	Pavement Grooving, Concrete, Longitudinal	0.92	
32 01 26 71-0003	SY	Pavement Grooving, Concrete, Transverse	0.68	
32 01 26 71-0004		Rumble Strips *(32 01 26 71)*		
32 01 26 71-0005	LF	Safe-Strips Shoulder Rumble Strips, Asphalt	0.28	
32 01 26 71-0006	LF	Safe-Strips Shoulder Rumble Strips, Concrete	0.68	
32 01 26 71-0007		Boat Ramps Grooving *(32 01 26 71)*		
32 01 26 71-0008	SY	Concrete Grooving, Boat Ramps	1.46	

32 01 90 Operation And Maintenance Of Planting *(32 01)*

Note: These tasks are to be used as requested by the owner to maintain existing conditions.

32 01 90 13 Fertilizing *(32 01 90)*

32 01 90 13-0001	MSF	Fertilizer - 2 LB Of Nitrogen/MSF (Granular)	11.74	
32 01 90 13-0002	MSF	Fertilizer - 2 LB Of Nitrogen/MSF (Liquid)	8.53	
32 01 90 13-0003	MSF	Fertilizer - 0.5 LB Of Nitrogen/MSF (Granular)	9.34	
32 01 90 13-0004	MSF	Fertilizer - 0.5 LB Of Nitrogen/MSF (Liquid)	7.66	

32 01 90 19 Mowing *(32 01 90)*

32 01 90 19-0001	ACR	Grass Cutting By Bush Hog	137.00	
		Note: Includes normal debris removal, cutting, and trimming.		
		For <1 Acre, Add	*34.25*	

32 01 90 23 Pruning *(32 01 90)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 23-0001		**Tree Pruning** *(32 01 90 23)* Note: Types of pruning for mature trees (these standards are established by the ISA - International Society of Arboriculture) 1. CROWN CLEANING - Crown cleaning or cleaning out is the removal of dead, dying, diseased, crowded, weakly attached, and low-vigor branches and waterspouts from a tree crown. 2. CROWN THINNING - Crown thinning includes crown cleaning and the selective removal of branches to increase light penetration and air movement into the crown. Increased light and air stimulates and maintains interior foliage, which in turn improves branch taper and strength. Thinning reduces the wind-sail effect of the crown and the weight of the heavy limbs. Thinning the crown can emphasize the structural beauty of the trunk and branches as well as improve the growth of plants beneath the tree by increasing light penetration. When thinning the crown of mature trees, seldom should more than one-third of the live foliage be removed. At least one-half of the foliage should be on branches that arise in the lower two- thirds of the trees. Likewise, when thinning laterals from a limb, an effort should be made to retain inner lateral branches and leave the same distribution of foliage along the branch. Trees and branches so pruned will have stress more evenly distributed throughout the tree or along a branch. 3. CROWN RAISING - Crown raising removes the lower branches of a tree in order to provide clearance for buildings, vehicles, pedestrians, and vistas. It is important that a tree have at least one-half of its foliage on branches that originate in the lower two-thirds of its trunk to ensure a well-formed, tapered structure and to uniformly distribute stress within a tree. When pruning for view, it is preferable to develop "windows" through the foliage of the tree, rather than to severely raise or reduce the crown. 4. CROWN REDUCTION - Crown reduction is used to reduce the height and/or spread of a tree. Thinning cuts are most effective in maintaining the structural integrity and natural form of a tree and in delaying the time when it will need to be pruned again. The lateral to which a branch or trunk is cut should be at least one-half the diameter of the cut being made. 5. CROWN RESTORATION - Crown restoration can improve the structure and appearance of trees that have been topped or severely pruned using heading cuts. One to three sprouts on main branch stubs should be selected to reform a more natural appearing crown. Selected vigorous sprouts may need to be thinned to a lateral, or even headed, to control length growth in order to ensure adequate attachment for the size of the sprout. Restoration may require several pruning's over a number of years.		
32 01 90 23-0002	EA	Tree Pruning (Crown Cleaning), 1-1/2" Caliper	24.38	
		For Crown Thinning, Tree Pruning, Add	*5.49*	
		For Crown Raising, Pruning, Add	*8.53*	
		For Crown Reduction, Tree Pruning, Add	*10.97*	
		For Crown Restoration, Pruning, Add	*16.25*	
32 01 90 23-0003	EA	Tree Pruning (Crown Cleaning), 2" Caliper	27.87	
		For Crown Thinning, Tree Pruning, Add	*6.27*	
		For Crown Raising, Pruning, Add	*9.75*	
		For Crown Reduction, Tree Pruning, Add	*12.54*	
		For Crown Restoration, Pruning, Add	*18.58*	
32 01 90 23-0004	EA	Tree Pruning (Crown Cleaning), 2-1/2" Caliper	31.35	
		For Crown Thinning, Tree Pruning, Add	*7.05*	
		For Crown Raising, Pruning, Add	*10.97*	
		For Crown Reduction, Tree Pruning, Add	*14.11*	
		For Crown Restoration, Pruning, Add	*20.90*	
32 01 90 23-0005	EA	Tree Pruning (Crown Cleaning), 3" Caliper	34.83	
		For Crown Thinning, Tree Pruning, Add	*7.84*	
		For Crown Raising, Pruning, Add	*12.19*	
		For Crown Reduction, Tree Pruning, Add	*15.67*	
		For Crown Restoration, Pruning, Add	*23.22*	
32 01 90 23-0006	EA	Tree Pruning (Crown Cleaning), 4" Caliper, By Hand	52.93	
		For Crown Thinning, Tree Pruning, Add	*11.91*	
		For Crown Raising, Pruning, Add	*18.53*	
		For Crown Reduction, Tree Pruning, Add	*23.82*	
		For Crown Restoration, Pruning, Add	*35.29*	
32 01 90 23-0007	EA	Tree Pruning (Crown Cleaning), 4" Caliper, Aerial Lift Equipment	86.64	
		For Crown Thinning, Tree Pruning, Add	*19.49*	
		For Crown Raising, Pruning, Add	*30.32*	
		For Crown Reduction, Tree Pruning, Add	*38.99*	
		For Crown Restoration, Pruning, Add	*57.76*	
32 01 90 23-0008	EA	Tree Pruning (Crown Cleaning), 6" Caliper, By Hand	92.64	
		For Crown Thinning, Tree Pruning, Add	*20.84*	
		For Crown Raising, Pruning, Add	*32.42*	
		For Crown Reduction, Tree Pruning, Add	*41.69*	
		For Crown Restoration, Pruning, Add	*61.76*	
32 01 90 23-0009	EA	Tree Pruning (Crown Cleaning), 6" Caliper, Aerial Lift Equipment	165.01	
		For Crown Thinning, Tree Pruning, Add	*37.13*	
		For Crown Raising, Pruning, Add	*57.75*	
		For Crown Reduction, Tree Pruning, Add	*74.25*	
		For Crown Restoration, Pruning, Add	*110.01*	
32 01 90 23-0010	EA	Tree Pruning (Crown Cleaning), 9" Caliper, By Hand	148.35	
		For Crown Thinning, Tree Pruning, Add	*33.38*	
		For Crown Raising, Pruning, Add	*51.92*	
		For Crown Reduction, Tree Pruning, Add	*66.76*	
		For Crown Restoration, Pruning, Add	*98.90*	
32 01 90 23-0011	EA	Tree Pruning (Crown Cleaning), 9" Caliper, Aerial Lift Equipment	263.97	
		For Crown Thinning, Tree Pruning, Add	*59.39*	
		For Crown Raising, Pruning, Add	*92.39*	
		For Crown Reduction, Tree Pruning, Add	*118.79*	
		For Crown Restoration, Pruning, Add	*175.99*	
32 01 90 23-0012	EA	Tree Pruning (Crown Cleaning), 12" Caliper, By Hand	171.42	
		For Crown Thinning, Tree Pruning, Add	*38.57*	
		For Crown Raising, Pruning, Add	*60.00*	
		For Crown Reduction, Tree Pruning, Add	*77.14*	
		For Crown Restoration, Pruning, Add	*114.29*	
32 01 90 23-0013	EA	Tree Pruning (Crown Cleaning), 12" Caliper, Aerial Lift Equipment	305.25	
		For Crown Thinning, Tree Pruning, Add	*68.68*	
		For Crown Raising, Pruning, Add	*106.84*	
		For Crown Reduction, Tree Pruning, Add	*137.36*	
		For Crown Restoration, Pruning, Add	*203.51*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 23-0014	EA	Tree Pruning (Crown Cleaning), 18" Caliper By Hand	199.27	
		For Crown Thinning, Tree Pruning, Add	*44.84*	
		For Crown Raising, Pruning, Add	*69.74*	
		For Crown Reduction, Tree Pruning, Add	*89.67*	
		For Crown Restoration, Pruning, Add	*132.85*	
32 01 90 23-0015	EA	Tree Pruning (Crown Cleaning), 18" Caliper By Hand, Aerial Lift Equipment	354.76	
		For Crown Thinning, Tree Pruning, Add	*79.82*	
		For Crown Raising, Pruning, Add	*124.17*	
		For Crown Reduction, Tree Pruning, Add	*159.64*	
		For Crown Restoration, Pruning, Add	*236.52*	
32 01 90 23-0016	EA	Tree Pruning (Crown Cleaning), 24" Caliper, By Hand	242.56	
		For Crown Thinning, Tree Pruning, Add	*54.58*	
		For Crown Raising, Pruning, Add	*84.90*	
		For Crown Reduction, Tree Pruning, Add	*109.15*	
		For Crown Restoration, Pruning, Add	*161.71*	
32 01 90 23-0017	EA	Tree Pruning (Crown Cleaning), 24" Caliper, Aerial Lift Equipment	429.08	
		For Crown Thinning, Tree Pruning, Add	*96.54*	
		For Crown Raising, Pruning, Add	*150.18*	
		For Crown Reduction, Tree Pruning, Add	*193.09*	
		For Crown Restoration, Pruning, Add	*286.07*	
32 01 90 23-0018	EA	Tree Pruning (Crown Cleaning), 30" Caliper, By Hand	301.31	
		For Crown Thinning, Tree Pruning, Add	*67.79*	
		For Crown Raising, Pruning, Add	*105.46*	
		For Crown Reduction, Tree Pruning, Add	*135.59*	
		For Crown Restoration, Pruning, Add	*200.88*	
32 01 90 23-0019	EA	Tree Pruning (Crown Cleaning), 30" Caliper, Aerial Lift Equipment	540.77	
		For Crown Thinning, Tree Pruning, Add	*121.67*	
		For Crown Raising, Pruning, Add	*189.27*	
		For Crown Reduction, Tree Pruning, Add	*243.35*	
		For Crown Restoration, Pruning, Add	*360.53*	
32 01 90 23-0020	EA	Tree Pruning (Crown Cleaning), 36" Caliper, By Hand	412.70	
		For Crown Thinning, Tree Pruning, Add	*92.86*	
		For Crown Raising, Pruning, Add	*144.45*	
		For Crown Reduction, Tree Pruning, Add	*185.72*	
		For Crown Restoration, Pruning, Add	*275.15*	
32 01 90 23-0021	EA	Tree Pruning (Crown Cleaning), 36" Caliper, Aerial Lift Equipment	732.93	
		For Crown Thinning, Tree Pruning, Add	*164.91*	
		For Crown Raising, Pruning, Add	*256.53*	
		For Crown Reduction, Tree Pruning, Add	*329.82*	
		For Crown Restoration, Pruning, Add	*488.64*	
32 01 90 23-0022	EA	Tree Pruning (Crown Cleaning), 48" Caliper, By Hand	654.74	
		For Crown Thinning, Tree Pruning, Add	*147.32*	
		For Crown Raising, Pruning, Add	*229.16*	
		For Crown Reduction, Tree Pruning, Add	*294.63*	
		For Crown Restoration, Pruning, Add	*436.52*	
32 01 90 23-0023	EA	Tree Pruning (Crown Cleaning), 48" Caliper, Aerial Lift Equipment	1,178.67	
		For Crown Thinning, Tree Pruning, Add	*265.20*	
		For Crown Raising, Pruning, Add	*412.53*	
		For Crown Reduction, Tree Pruning, Add	*530.40*	
		For Crown Restoration, Pruning, Add	*785.82*	
32 01 90 23-0024	EA	Trim Mexican Palm Tree	73.86	
32 01 90 23-0025	EA	Trim Date Palm Tree	166.66	
32 01 90 23-0026	LF	Skin Palm Tree	18.94	

32 01 90 23-0027 Shrub Pruning *(32 01 90 23)*

32 01 90 23-0028	MSF	Shrub Pruning, Prune, Shrub Bed	79.38	
32 01 90 23-0029	EA	Shrub Pruning, Prune, Shrub Under 3' Height	2.78	
32 01 90 23-0030	EA	Shrub Pruning, Prune, Shrub 4' Height	6.27	
32 01 90 23-0031	EA	Shrub Pruning, Prune, Shrub Over 6'	11.14	
32 01 90 23-0032	EA	Shrub Pruning, Prune Trees From Ground	27.87	
32 01 90 23-0033	EA	Shrub Pruning, Prune Trees From Ground, High Work	69.67	

32 01 90 23-0034 Root Pruning *(32 01 90 23)*

Note: Cut roots cleanly after excavation with clean, sharp tools, to promote callus formation and wound closure. Wounds to be dressed with a tree rooting hormone compound. Mix soil improvements (e.g., peat moss) with fill soil to promote new root growth. Backfill the excavation and water the soil around the roots to avoid leaving air pockets.

32 01 90 23-0035	EA	Root Pruning, One Side Of Up To 1-1/2" Caliper Tree	13.93	
32 01 90 23-0036	EA	Root Pruning, One Side Of 2" Caliper Tree	17.41	
32 01 90 23-0037	EA	Root Pruning, One Side Of 2-1/2" Caliper Tree	20.90	
32 01 90 23-0038	EA	Root Pruning, One Side Of 3" Caliper Tree	27.87	
32 01 90 23-0039	EA	Root Pruning, One Side Of 4" Caliper Tree	41.80	
32 01 90 23-0040	EA	Root Pruning, One Side Of 6" Caliper Tree	52.25	
32 01 90 23-0041	EA	Root Pruning, One Side Of 9" Caliper Tree	73.15	
32 01 90 23-0042	EA	Root Pruning, One Side Of 12" Caliper Tree	83.60	
32 01 90 23-0043	EA	Root Pruning, One Side Of 18" Caliper Tree	97.53	
32 01 90 23-0044	EA	Root Pruning, One Side Of 24" Caliper Tree	121.91	
32 01 90 23-0045	EA	Root Pruning, One Side Of 30" Caliper Tree	149.78	
32 01 90 23-0046	EA	Root Pruning, One Side Of 36" Caliper Tree	174.16	
32 01 90 23-0047	EA	Root Pruning, One Side Of 48" Caliper Tree	208.99	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 01 90 26 Watering *(32 01 90)*

Note: Includes delivered water. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant.

32 01 90 26-0001 Watering Lawns, Plants And Trees *(32 01 90 26)*

Note: Includes delivered water and watering truck. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant. These tasks are to be used as requested by the owner for extended watering period for lawns, plants and trees.

32 01 90 26-0002	MSF	Watering Sod/Grass, Per Inch Of Water	28.17	
32 01 90 26-0003	CSF	Watering Groundcover	4.57	
32 01 90 26-0004	CSF	Watering Annuals And Perennials	8.40	
32 01 90 26-0005	EA	Watering Trees, 1" To 5" Diameter By Hand	8.47	
32 01 90 26-0006	EA	Watering Trees, 6" To 12" Diameter By Hand	11.32	
32 01 90 26-0007	EA	Watering Trees, 13" To 18" Diameter By Hand	14.31	
32 01 90 26-0008	EA	Watering Trees, >18" Diameter By Hand	16.98	
32 01 90 26-0009	EA	Watering Shrub Or Bush By Hand	7.41	

32 01 90 36 Weed And Brush Control *(32 01 90)*

32 01 90 36-0001	MSF	Non-Selective Post Emergent Weed Herbicide	6.33	
		For >45 To 90, Deduct		*-0.29*
		For >90 To 225, Deduct		*-0.90*
		For >225, Deduct		*-1.48*
32 01 90 36-0002	MSF	Non-Selective Post Emergent Woody Brush And Tree Herbicide	6.75	
		For >45 To 90, Deduct		*-0.29*
		For >90 To 225, Deduct		*-0.92*
		For >225, Deduct		*-1.50*
32 01 90 36-0003	MSF	Selective Weed Herbicide	6.63	
		Note: Includes pre and post emergent.		
		For >45 To 90, Deduct		*-0.29*
		For >90 To 225, Deduct		*-0.91*
		For >225, Deduct		*-1.50*
32 01 90 36-0004	MSF	Selective Woody Brush And Tree Herbicide	6.86	
		Note: Includes pre and post emergents.		
		For >45 To 90, Deduct		*-0.29*
		For >90 To 225, Deduct		*-0.93*
		For >225, Deduct		*-1.51*

32 01 90 39 Pesticides *(32 01 90)*

32 01 90 39-0001	MSF	Pesticide - Surface Eating	8.89
32 01 90 39-0002	MSF	Pesticide - Subsurface Eating	8.93
32 01 90 39-0003	MSF	Pesticide - Fungicide Application	9.66

32 01 90 43 Weed And Cultivate Beds *(32 01 90)*

32 01 90 43-0001	MSF	Weed Mulched Bed	34.15
32 01 90 43-0002	MSF	Weed Unmulched Bed	97.58
32 01 90 43-0003	MSF	Cultivate Bed	52.54

32 01 90 46 Hedge Trimming *(32 01 90)*

32 01 90 46-0001	LF	Trim 0-5' High Hedge, 0-3' Wide	4.51
32 01 90 46-0002	LF	Trim 0-5' High Hedge, 4-6' Wide	6.76
32 01 90 46-0003	LF	Trim 5-10' High Hedge, 0-3' Wide	10.24
32 01 90 46-0004	LF	Trim 5-10' High Hedge, 4-6' Wide	10.43

32 01 90 49 Turf And Fence Spray *(32 01 90)*

32 01 90 49-0001	ACR	Turf Spray, Machine	311.47
32 01 90 49-0002	CLF	Fence Spray, Hand	40.23

32 01 90 53 Plant Growth Regulator Application *(32 01 90)*

32 01 90 53-0001	EA	Plant Growth Regulator Application	5.04

32 10 Bases, Ballasts, And Paving *(32)*

32 11 Base Courses *(32 10)*

32 11 16 Subbase Courses *(32 11)*

32 11 16 16 Aggregate Subbase Courses *(32 11 16)*

32 11 16 16-0001 Base And Subbase Courses For Roadways And Parking Areas *(32 11 16 16)*

Note: Includes 3/4" To 1-1/2" aggregate material, hauling up to 15 miles, dumping, spreading, grading, compacting and watering. See CSI section 01 74 19 00-0038 for hauling greater than 15 miles.

32 11 16 16-0002 Base And Subbase Courses By The CY *(32 11 16 16-0001)*

32 11 16 16-0003	CY	Class II Base Course	61.26
32 11 16 16-0004	CY	Class III Base Course	62.17

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 11 23 Aggregate Base Courses *(32 11)*

32 11 23 16 Aggregate Base Courses *(32 11 23)*

32 11 23 16-0001 Base Courses For Sidewalk (Asphalt Or Concrete) *(32 11 23 16)*
Note: Includes material, hauling up to 15 miles, placement, spreading, grading, and compaction. See CSI section 01 74 19 00-0038 for hauling greater than 15 miles.

32 11 23 16-0002	SF	2" Crushed Aggregate Base Course	0.41	
		For Up To 1,000, Add	*0.11*	
		For >1,000 To 2,500, Add	*0.04*	
32 11 23 16-0003	SF	3" Crushed Aggregate Base Course	0.58	
		For Up To 1,000, Add	*0.16*	
		For >1,000 To 2,500, Add	*0.06*	
32 11 23 16-0004	SF	4" Crushed Aggregate Base Course	0.76	
		For Up To 1,000, Add	*0.21*	
		For >1,000 To 2,500, Add	*0.08*	
32 11 23 16-0005	SF	5" Crushed Aggregate Base Course	0.98	
		For Up To 1,000, Add	*0.28*	
		For >1,000 To 2,500, Add	*0.10*	
32 11 23 16-0006	SF	6" Crushed Aggregate Base Course	1.19	
		For Up To 1,000, Add	*0.33*	
		For >1,000 To 2,500, Add	*0.12*	
32 11 23 16-0007	SF	7" Crushed Aggregate Base Course	1.37	
		For Up To 1,000, Add	*0.39*	
		For >1,000 To 2,500, Add	*0.14*	
32 11 23 16-0008	SF	8" Crushed Aggregate Base Course	1.57	
		For Up To 1,000, Add	*0.44*	
		For >1,000 To 2,500, Add	*0.16*	

32 11 26 Asphaltic Base Courses *(32 11)*

32 11 26 19 Bituminous-Stabilized Base Courses *(32 11 26)*

32 11 26 19-0001 Bituminous-Stabilized Base Courses *(32 11 26 19)*

32 11 26 19-0002	CY	Bituminous Stabilized Base Course Note: 3/4" ASTM C33.	75.98

32 12 Flexible Paving *(32 10)*

32 12 13 Preparatory Coats *(32 12)*

32 12 13 13 Tack Coats *(32 12 13)*

32 12 13 13-0001	SY	Tack Coat, 0.04 Gallon/SY	0.39	
		For Up To 150, Add	*0.07*	
		For >150 To 300, Add	*0.04*	
		For >300 To 500, Add	*0.02*	
		For >3,500 To 5,000, Deduct	*-0.01*	
		For >5,000, Deduct	*-0.02*	
32 12 13 13-0002	SY	Tack Coat, 0.05 Gallon/SY	0.43	
		For Up To 150, Add	*0.08*	
		For >150 To 300, Add	*0.04*	
		For >300 To 500, Add	*0.02*	
		For >3,500 To 5,000, Deduct	*-0.01*	
		For >5,000, Deduct	*-0.03*	
32 12 13 13-0003	SY	Tack Coat, 0.07 Gallon/SY	0.49	
		For Up To 150, Add	*0.10*	
		For >150 To 300, Add	*0.05*	
		For >300 To 500, Add	*0.02*	
		For >3,500 To 5,000, Deduct	*-0.01*	
		For >5,000, Deduct	*-0.03*	
32 12 13 13-0004	SY	Tack Coat, 0.08 Gallon/SY	0.53	
		For Up To 150, Add	*0.11*	
		For >150 To 300, Add	*0.05*	
		For >300 To 500, Add	*0.03*	
		For >3,500 To 5,000, Deduct	*-0.01*	
		For >5,000, Deduct	*-0.03*	
32 12 13 13-0005	SY	Tack Coat, 0.10 Gallon/SY	0.59	
		For Up To 150, Add	*0.12*	
		For >150 To 300, Add	*0.06*	
		For >300 To 500, Add	*0.03*	
		For >3,500 To 5,000, Deduct	*-0.01*	
		For >5,000, Deduct	*-0.04*	
32 12 13 13-0006	SY	Tack Coat, 0.11 Gallon/SY	0.63	
		For Up To 150, Add	*0.13*	
		For >150 To 300, Add	*0.06*	
		For >300 To 500, Add	*0.03*	
		For >3,500 To 5,000, Deduct	*-0.02*	
		For >5,000, Deduct	*-0.04*	

32 12 13 19 Prime Coats *(32 12 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 13 19-0001	SY	Surface Prime Coat, 0.26 Gallon/SY	1.01	
		For Up To 150, Add	*0.22*	
		For >150 To 300, Add	*0.10*	
		For >300 To 500, Add	*0.05*	
		For >3,500 To 5,000, Deduct	*-0.03*	
		For >5,000, Deduct	*-0.07*	
32 12 13 19-0002	SY	Surface Prime Coat, 0.28 Gallon/SY	1.07	
		For Up To 150, Add	*0.24*	
		For >150 To 300, Add	*0.11*	
		For >300 To 500, Add	*0.05*	
		For >3,500 To 5,000, Deduct	*-0.03*	
		For >5,000, Deduct	*-0.07*	
32 12 13 19-0003	SY	Surface Prime Coat, 0.30 Gallon/SY	1.12	
		For Up To 150, Add	*0.25*	
		For >150 To 300, Add	*0.11*	
		For >300 To 500, Add	*0.06*	
		For >3,500 To 5,000, Deduct	*-0.03*	
		For >5,000, Deduct	*-0.08*	

32 12 16 Asphalt Paving *(32 12)*

32 12 16 13 Plant-Mix Asphalt Paving *(32 12 16)*

Note: Includes delivery up to 15 miles, placement, rolling, finishing and sweeping. See CSI section 01 74 19 00-0038 for hauling greater than 15 miles.

32 12 16 13-0001 Intermediate Binder Courses, Hot Mix Asphalt (HMA) *(32 12 16 13)*

Note: Meets Caltran requirements.

32 12 16 13-0002	TON	Bituminous Hot Mix Intermediate Course 3,954 LB/CY	105.86	
		Note: Includes Type A and Type B with 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.		
		For PG64-10 Asphalt, Add	*12.75*	
		For >500 To 1,000, Deduct	*-4.59*	
		For >1,000 To 2,500, Deduct	*-8.33*	
		For >2,500 To 5,000, Deduct	*-12.91*	
		For >5,000, Deduct	*-18.52*	
		For Warm Mix Additive, Add	*5.53*	
32 12 16 13-0003	SY	1" Thick Binder Course	6.17	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*0.70*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000 To 50,000, Deduct	*-0.48*	
		For >50,000 To 100,000, Deduct	*-0.74*	
		For >100,000, Deduct	*-1.07*	
32 12 16 13-0004	SY	1-1/2" Thick Binder Course	9.10	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*1.05*	
		For >7,000 To 14,000, Deduct	*-0.39*	
		For >14,000 To 32,000, Deduct	*-0.71*	
		For >32,000 To 64,000, Deduct	*-1.11*	
		For >64,000, Deduct	*-1.59*	
32 12 16 13-0005	SY	2" Thick Binder Course	12.01	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*1.40*	
		For >5,000 To 10,000, Deduct	*-0.52*	
		For >10,000 To 24,000, Deduct	*-0.95*	
		For >24,000 To 48,000, Deduct	*-1.47*	
		For >48,000, Deduct	*-2.11*	
32 12 16 13-0006	SY	2-1/2" Thick Binder Course	14.56	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*1.75*	
		For >4,000 To 8,000, Deduct	*-0.64*	
		For >8,000 To 20,000, Deduct	*-1.17*	
		For >20,000 To 40,000, Deduct	*-1.81*	
		For >40,000, Deduct	*-2.59*	
32 12 16 13-0007	SY	3" Thick Binder Course	17.13	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*2.10*	
		For >3,000 To 6,000, Deduct	*-0.76*	
		For >6,000 To 16,000, Deduct	*-1.39*	
		For >16,000 To 32,000, Deduct	*-2.15*	
		For >32,000, Deduct	*-3.08*	
32 12 16 13-0008	SY	3-1/2" Thick Binder Course	19.95	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*2.45*	
		For >2,800 To 5,600, Deduct	*-0.89*	
		For >5,600 To 14,000, Deduct	*-1.62*	
		For >14,000 To 28,000, Deduct	*-2.50*	
		For >28,000, Deduct	*-3.59*	
32 12 16 13-0009	SY	4" Thick Binder Course	22.84	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*2.80*	
		For >2,500 To 5,000, Deduct	*-1.02*	
		For >5,000 To 12,000, Deduct	*-1.85*	
		For >12,000 To 24,000, Deduct	*-2.86*	
		For >24,000, Deduct	*-4.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 13-0010	SY	5" Thick Binder Course	28.52	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*3.50*	
		For >2,000 To 3,900, Deduct	*-1.27*	
		For >3,900 To 10,000, Deduct	*-2.31*	
		For >10,000 To 20,000, Deduct	*-3.58*	
		For >20,000, Deduct	*-5.13*	
32 12 16 13-0011	SY	6" Thick Binder Course	34.25	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*4.20*	
		For >1,600 To 3,200, Deduct	*-1.53*	
		For >3,200 To 8,000, Deduct	*-2.77*	
		For >8,000 To 16,000, Deduct	*-4.30*	
		For >16,000, Deduct	*-6.16*	

32 12 16 13-0012 Surface Courses, Hot Mix Asphalt (HMA) *(32 12 16 13)*

Note: Meets Caltran requirements.

32 12 16 13-0013	TON	Bituminous Hot Mix Surface Course 3954 LB/CY	111.06	
		Note: Includes Type A and Type B with 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.		
		For PG64-10 Asphalt, Add	*6.38*	
		For >500 To 1,000, Deduct	*-4.67*	
		For >1,000 To 2,500, Deduct	*-8.50*	
		For >2,500 To 5,000, Deduct	*-13.17*	
		For >5,000, Deduct	*-18.90*	
		For Warm Mix Additive, Add	*5.53*	
32 12 16 13-0014	TON	Tire Rubber Modified Paving Asphalt (TRMAC) Surface Course (MAC-15TR)	123.05	
		Note: Includes 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping.		
		For Warm Mix Additive, Add	*6.02*	
32 12 16 13-0015	TON	Asphalt Rubberized Hot Mix (ARHM) Surface Course	131.55	
		Note: Includes 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping.		
		For Warm Mix Additive, Add	*6.57*	
32 12 16 13-0016	SY	1" Thick Surface Course	6.35	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*0.33*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000 To 50,000, Deduct	*-0.48*	
		For >50,000 To 100,000, Deduct	*-0.74*	
		For >100,000, Deduct	*-1.06*	
32 12 16 13-0017	SY	1-1/2" Thick Surface Course	9.31	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*0.50*	
		For >7,000 To 14,000, Deduct	*-0.39*	
		For >14,000 To 32,000, Deduct	*-0.71*	
		For >32,000 To 64,000, Deduct	*-1.09*	
		For >64,000, Deduct	*-1.57*	
32 12 16 13-0018	SY	2" Thick Surface Course	12.25	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*0.67*	
		For >5,000 To 10,000, Deduct	*-0.51*	
		For >10,000 To 24,000, Deduct	*-0.94*	
		For >24,000 To 48,000, Deduct	*-1.45*	
		For >48,000, Deduct	*-2.08*	
32 12 16 13-0019	SY	2-1/2" Thick Surface Course	14.75	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*0.84*	
		For >4,000 To 8,000, Deduct	*-0.63*	
		For >8,000 To 20,000, Deduct	*-1.15*	
		For >20,000 To 40,000, Deduct	*-1.78*	
		For >40,000, Deduct	*-2.55*	
32 12 16 13-0020	SY	3" Thick Surface Course	17.28	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*1.00*	
		For >3,000 To 6,000, Deduct	*-0.75*	
		For >6,000 To 16,000, Deduct	*-1.36*	
		For >16,000 To 32,000, Deduct	*-2.11*	
		For >32,000, Deduct	*-3.03*	
32 12 16 13-0021	CSF	Type F Asphalt Surface Cap 1/8" To 1/4" Thick For Use Only On Top Concrete Filled Trench	50.75	

32 12 16 13-0022 Hand Placed, Hot Mix Asphalt (HMA) *(32 12 16 13)*

32 12 16 13-0023	TON	Hand Placed Hot Mixed Asphalt 3,954 LB/CY	258.99	
		Note: For small areas not reachable by machine. Includes placement, rolling, finishing and sweeping.		

32 12 16 13-0024 AC Dikes *(32 12 16 13)*

See CSI section 32 11 23 16-0001 for base course.

32 12 16 13-0025	LF	Type A, Asphalt Concrete Dike	9.80	4.14
		For Up To 100, Add	*4.52*	
		For >100 To 500, Add	*1.32*	
		For >1,000 To 5,000, Deduct	*-0.83*	
		For >5,000, Deduct	*-1.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 13-0026	LF	Type C, Asphalt Concrete Dike	8.70	4.14
		For Up To 100, Add	*4.24*	
		For >100 To 500, Add	*1.26*	
		For >1,000 To 5,000, Deduct	*-0.83*	
		For >5,000, Deduct	*-1.26*	
32 12 16 13-0027	LF	Type D, Asphalt Concrete Dike	11.60	4.14
		For Up To 100, Add	*4.97*	
		For >100 To 500, Add	*1.41*	
		For >1,000 To 5,000, Deduct	*-0.83*	
		For >5,000, Deduct	*-1.41*	
32 12 16 13-0028	LF	Type E, Asphalt Concrete Dike	9.76	4.14
		For Up To 100, Add	*4.51*	
		For >100 To 500, Add	*1.32*	
		For >1,000 To 5,000, Deduct	*-0.83*	
		For >5,000, Deduct	*-1.32*	
32 12 16 13-0029	LF	Type F, Asphalt Concrete Dike	9.02	4.14
		For Up To 100, Add	*4.32*	
		For >100 To 500, Add	*1.28*	
		For >1,000 To 5,000, Deduct	*-0.83*	
		For >5,000, Deduct	*-1.28*	

32 12 16 13-0030 Ditch Lining *(32 12 16 13)*

32 12 16 13-0031	SY	4" Concrete Ditch Pavement	47.67
32 12 16 13-0032	SY	4" Asphalt Ditch Pavement	35.29
32 12 16 13-0033	SY	4" Soil-Cement Ditch Pavement	5.25
32 12 16 13-0034	SY	4" Rip-Rap Ditch Pavement	5.88

32 12 16 19 Cold-Mix Asphalt Paving *(32 12 16)*

Note: 0.5 Gal asphalt/SY per inch depth; well graded granular aggregate.

32 12 16 19-0001 Cold Mix Asphalt (CMA) Pavement *(32 12 16 19)*

Note: 0.5 Gal asphalt/SY per inch depth; well graded granular aggregate.

32 12 16 19-0002	SY	Cold Laid Asphalt Pavement, Traveling Plant Mixed In Windrows, Compacted 4" Course	9.76
32 12 16 19-0003	SY	Cold Laid Asphalt Pavement, Rotary Plant Mixed In Place, Compacted 4" Course	9.52
32 12 16 19-0004	SY	Cold Laid Asphalt Pavement, Central Stationary Plant, Mixed, Compacted 4" Course	15.63

32 12 16 39 Fabrics *(32 12 16)*

See CSI section 31 32 19 16-0000 for geotextile fabric.

32 12 16 39-0001	SY	3.6 Oz/SY, 90 LB Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-38A/O)	0.81
		For Up To 50, Add	*0.20*
		For >50 To 150, Add	*0.14*
		For >150 To 250, Add	*0.09*
		For >250 To 500, Add	*0.05*
32 12 16 39-0002	SY	4.1 Oz/SY, 101 LB Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-42 A/O)	0.86
		For Up To 50, Add	*0.21*
		For >50 To 150, Add	*0.15*
		For >150 To 250, Add	*0.10*
		For >250 To 500, Add	*0.05*

32 12 16 43 Waterproofing Membranes *(32 12 16)*

32 12 16 43-0001 Waterproofing Membranes *(32 12 16 43)*

32 12 16 43-0002	SY	Up To 500 SY, Preformed Rubberized Asphalt Membrane	27.32
32 12 16 43-0003	SY	>500 To 1,000 SY, Preformed Rubberized Asphalt Membrane	20.43
32 12 16 43-0004	SY	>1,000 SY, Preformed Rubberized Asphalt Membrane	12.62

32 12 33 Flexible Paving Surface Treatments *(32 12)*

32 12 33 00-0001 Bituminous Surface Treatment For Roadways *(32 12 33)*

Note: 0.25 Gal bitumen per SY and 30 lb of gravel/SY.

32 12 33 00-0002	SY	Single Course Bituminous Treatment, Prepare And Clean Surface Roadway	2.34
32 12 33 00-0003	SY	Double Course Bituminous Treatment, Prepare And Clean Surface Roadway	4.21

32 12 33 00-0004 Bituminous Surface Treatment For Trails *(32 12 33)*

Note: 0.25 Gal bitumen per SY and 20 lb of gravel/SY.

32 12 33 00-0005	SY	Bituminous Surface Treatment, For Trails	1.61

32 12 36 Seal Coats *(32 12)*

32 12 36 00-0001 Asphalt Seal Coating, For Roads And Parking Lot *(32 12 36)*

Note: Includes sweeping and cleaning of area.

32 12 36 00-0002	SY	Asphalt Seal Coating Minimum	355.17

Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 00-0003	SY	Up To 500 SY, Type II Slurry Seal Asphalt Coating Note: 1/4" thick, 14 to 18 Lbs/SY.	5.64	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.42*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.53*	
		For Latex Modified Asphalt Emulsion, Add	*0.42*	
32 12 36 00-0004	SY	>500 To 1,000 SY, Type II Slurry Seal Asphalt Coating Note: 1/4" thick, 14 to 18 Lbs/SY.	4.54	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.36*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.47*	
		For Latex Modified Asphalt Emulsion, Add	*0.36*	
32 12 36 00-0005	SY	>1,000 To 5,000 SY, Type II Slurry Seal Asphalt Coating Note: 1/4" thick, 14 to 18 Lbs/SY.	3.63	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.30*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.40*	
		For Latex Modified Asphalt Emulsion, Add	*0.30*	
32 12 36 00-0006	SY	>5,000 To 20,000 SY, Type II Slurry Seal Asphalt Coating Note: 1/4" thick, 14 to 18 Lbs/SY.	2.93	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.26*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.34*	
		For Latex Modified Asphalt Emulsion, Add	*0.26*	
32 12 36 00-0007	SY	>20,000 SY, Type II Slurry Seal Asphalt Coating Note: 1/4" thick, 14 to 18 Lbs/SY.	2.45	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.22*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.30*	
		For Latex Modified Asphalt Emulsion, Add	*0.22*	
32 12 36 00-0008	SY	Up To 500 SY, Type III Slurry Seal Asphalt Coating Note: 3/8" thick, 25 to 30 Lbs/SY.	6.50	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.49*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.61*	
		For Latex Modified Asphalt Emulsion, Add	*0.49*	
32 12 36 00-0009	SY	>500 To 1,000 SY, Type III Slurry Seal Asphalt Coating Note: 3/8" thick, 25 to 30 Lbs/SY.	5.35	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.43*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.56*	
		For Latex Modified Asphalt Emulsion, Add	*0.43*	
32 12 36 00-0010	SY	>1,000 To 5,000 SY, Type III Slurry Seal Asphalt Coating Note: 3/8" thick, 25 to 30 Lbs/SY.	4.21	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.35*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.47*	
		For Latex Modified Asphalt Emulsion, Add	*0.35*	
32 12 36 00-0011	SY	>5,000 To 20,000 SY, Type III Slurry Seal Asphalt Coating Note: 3/8" thick, 25 to 30 Lbs/SY.	3.41	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.30*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.40*	
		For Latex Modified Asphalt Emulsion, Add	*0.30*	
32 12 36 00-0012	SY	>20,000 SY, Type III Slurry Seal Asphalt Coating Note: 3/8" thick, 25 to 30 Lbs/SY.	2.87	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.26*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.35*	
		For Latex Modified Asphalt Emulsion, Add	*0.26*	
32 12 36 00-0013	SY	Up To 500 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	5.30	
32 12 36 00-0014	SY	>500 To 1,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	4.42	
32 12 36 00-0015	SY	>1,000 To 5,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	3.54	
32 12 36 00-0016	SY	>5,000 To 20,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	2.90	
32 12 36 00-0017	SY	>20,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	2.45	
32 12 36 00-0018	SY	Up To 500 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	6.08	
32 12 36 00-0019	SY	>500 To 1,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	5.20	
32 12 36 00-0020	SY	>1,000 To 5,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	4.24	
32 12 36 00-0021	SY	>5,000 To 20,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	3.53	
32 12 36 00-0022	SY	>20,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	3.01	

32 12 36 00-0023 Water Based Emulsion Sealer *(32 12 36)*

Note: Includes sweeping and cleaning of area.

32 12 36 00-0024	SY	Up To 500 SY Water Based Emulsion Sealer, For Asphalt, First Coat	3.23	
		For Additional Coats, Add	*1.77*	
32 12 36 00-0025	SY	>500 To 1,000 SY Water Based Emulsion Sealer, For Asphalt, First Coat	2.61	
		For Additional Coats, Add	*1.43*	
32 12 36 00-0026	SY	>1,000 SY Water Based Emulsion Sealer, For Asphalt, First Coat	1.98	
		For Additional Coats, Add	*1.08*	

32 12 36 00-0027 Sand Sealer *(32 12 36)*

Note: To be added to Slurry Seal.

32 12 36 00-0028	SY	Up To 200 SY Sand Seal Spray Applied Asphalt Emulsion	2.29	
32 12 36 00-0029	SY	>200 To 500 SY Sand Seal Spray Applied Asphalt Emulsion	1.73	
32 12 36 00-0030	SY	>500 To 1,100 SY Sand Seal Spray Applied Asphalt Emulsion	1.53	
32 12 36 00-0031	SY	>1,100 To 4,400 SY Sand Seal Spray Applied Asphalt Emulsion	1.16	
32 12 36 00-0032	SY	>4,400 To 7,800 SY Sand Seal Spray Applied Asphalt Emulsion	1.06	
32 12 36 00-0033	SY	>7,800 To 16,700 SY Sand Seal Spray Applied Asphalt Emulsion	0.97	
32 12 36 00-0034	SY	>16,700 SY Sand Seal Spray Applied Asphalt Emulsion	0.90	

32 12 36 00-0035 Fog Sealer *(32 12 36)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 00-0036	SY	Up To 200 SY Fog Seal, SS-1H	2.03	
32 12 36 00-0037	SY	>200 To 500 SY Fog Seal, SS-1H	1.47	
32 12 36 00-0038	SY	>500 To 1,100 SY Fog Seal, SS-1	1.27	
32 12 36 00-0039	SY	>1,100 To 4,400 SY Fog Seal, SS-1H	0.90	
32 12 36 00-0040	SY	>4,400 To 7,800 SY Fog Seal, SS-1H	0.81	
32 12 36 00-0041	SY	>7,800 To 16,700 SY Fog Seal, SS-1H	0.72	
32 12 36 00-0042	SY	>16,700 SY Fog Seal, SS-1H	0.64	
32 12 36 00-0043		**Asphalt Emulsion Sealers (Chip Seal)** *(32 12 36)*		
32 12 36 00-0044		**Fine Screenings Seal Coat** *(32 12 36 00-0043)*		
		Note: 12 to 20 # Per SY of 1/4" No. 10 with 0.15 to 0.30 gallons asphalt emulsion per SY.		
32 12 36 00-0045	SY	Up To 200 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	2.78	
32 12 36 00-0046	SY	>200 To 500 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	2.15	
32 12 36 00-0047	SY	>500 To 1,100 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.93	
32 12 36 00-0048	SY	>1,100 To 4,400 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.55	
32 12 36 00-0049	SY	>4,400 To 7,800 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.43	
32 12 36 00-0050	SY	>7,800 To 16,700 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.32	
32 12 36 00-0051	SY	>16,700 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.24	
32 12 36 00-0052		**Medium Fine Screenings Seal Coat** *(32 12 36 00-0043)*		
		Note: 16 to 25 # Per SY of 5/16" No. 8 with 0.25 to 0.35 gallons asphalt emulsion per SY.		
32 12 36 00-0053	SY	Up To 200 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	3.11	
32 12 36 00-0054	SY	>200 To 500 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	2.44	
32 12 36 00-0055	SY	>500 To 1,100 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	2.21	
32 12 36 00-0056	SY	>1,100 To 4,400 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.81	
32 12 36 00-0057	SY	>4,400 To 7,800 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.68	
32 12 36 00-0058	SY	>7,800 To 16,700 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.57	
32 12 36 00-0059	SY	>16,700 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.48	
32 12 36 00-0060		**Medium Screenings Seal Coat** *(32 12 36 00-0043)*		
		Note: 20 to 30 # Per SY of 3/8" No. 6 with 0.25 to 0.40 gallons asphalt emulsion per SY.		
32 12 36 00-0061	SY	Up To 200 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied	3.22	
32 12 36 00-0062	SY	>200 To 500 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied	2.54	
32 12 36 00-0063	SY	>500 To 1,100 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied	2.30	
32 12 36 00-0064	SY	>1,100 To 4,400 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied	1.90	
32 12 36 00-0065	SY	>4,400 To 7,800 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied	1.76	
32 12 36 00-0066	SY	>7,800 To 16,700 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied	1.65	
32 12 36 00-0067	SY	>16,700 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied	1.56	
32 12 36 00-0068		**Course Screenings Seal Coat** *(32 12 36 00-0043)*		
		Note: 23 to 30 # Per SY of 1/2" No. 4 with 0.30 to 0.40 gallons asphalt emulsion per SY.		
32 12 36 00-0069	SY	Up To 200 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied	3.30	
32 12 36 00-0070	SY	>200 To 500 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied	2.61	
32 12 36 00-0071	SY	>500 To 1,100 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied	2.37	
32 12 36 00-0072	SY	>1,100 To 4,400 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied	1.96	
32 12 36 00-0073	SY	>4,400 To 7,800 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied	1.83	
32 12 36 00-0074	SY	>7,800 To 16,700 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied	1.71	
32 12 36 00-0075	SY	>16,700 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied	1.61	
32 12 36 00-0076		**Double Screenings Seal Coat** *(32 12 36 00-0043)*		
		Note: First coat 23 to 30 # Per SY of 1/2" No. 4 with 0.20 to 0.35 gallons asphalt emulsion per SY, Second coat 12 to 20 # Per SY of 1/4" No. 10 with 0.20 to 0.30 gallons asphalt emulsion per SY.		
32 12 36 00-0077	SY	Up To 200 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied	5.05	
32 12 36 00-0078	SY	>200 To 500 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied	4.01	
32 12 36 00-0079	SY	>500 To 1,100 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied	3.66	
32 12 36 00-0080	SY	>1,100 To 4,400 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied	3.05	
32 12 36 00-0081	SY	>4,400 To 7,800 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied	2.84	
32 12 36 00-0082	SY	>7,800 To 16,700 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied	2.69	
32 12 36 00-0083	SY	>16,700 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied	2.54	
32 12 36 00-0084		**Seal Coat With Sand And Latex** *(32 12 36)*		
32 12 36 00-0085	SY	Up To 250 SY Seal Coat With Sand And Latex Added (One Coat)	4.37	
32 12 36 00-0086	SY	>250 To 500 SY Seal Coat With Sand And Latex Added (One Coat)	3.62	
32 12 36 00-0087	SY	>500 To 1,000 SY Seal Coat With Sand And Latex Added (One Coat)	2.87	
32 12 36 00-0088	SY	>1,000 To 2,500 SF Seal Coat With Sand And Latex Added (One Coat)	2.11	
32 12 36 00-0089	SY	>2,500 To 5,000 SY Seal Coat With Sand And Latex Added (One Coat)	1.66	
32 12 36 00-0090	SY	>5,000 To 10,000 SY Seal Coat With Sand And Latex Added (One Coat)	1.51	
32 12 36 00-0091	SY	>10,000 To 20,000 SY Seal Coat With Sand And Latex Added (One Coat)	1.36	
32 12 36 00-0092	SY	>20,000 To 40,000 SY Seal Coat With Sand And Latex Added (One Coat)	1.21	
32 12 36 00-0093	SY	>40,000 SY Seal Coat With Sand And Latex Added (One Coat)	1.05	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 00-0094		Asphalt Rubber Aggregate Membrane *(32 12 36)*		
		Note: Includes cleaning and preparing existing surface, spreading asphalt rubber and cover aggregate, rolling and sweeping.		
32 12 36 00-0095	SY	Up To 200 SY 3/8" Asphalt Rubber Aggregate Membrane	5.56	
32 12 36 00-0096	SY	>200 To 500 SY 3/8" Asphalt Rubber Aggregate Membrane	4.45	
32 12 36 00-0097	SY	>500 To 1,100 SY 3/8" Asphalt Rubber Aggregate Membrane	4.07	
32 12 36 00-0098	SY	>1,100 To 4,400 SY 3/8" Asphalt Rubber Aggregate Membrane	3.45	
32 12 36 00-0099	SY	>4,400 To 7,800 SY 3/8" Asphalt Rubber Aggregate Membrane	3.22	
32 12 36 00-0100	SY	>7,800 To 16,700 SY 3/8" Asphalt Rubber Aggregate Membrane	3.06	
32 12 36 00-0101	SY	>16,700 SY 3/8" Asphalt Rubber Aggregate Membrane	2.89	

32 12 43 Porous Flexible Paving *(32 12)*

32 12 43 00-0001		Flexible Recycled Plastic Porous Grid *(32 12 43)*		
		Note: Includes sand fill in rings. Excludes base, earth work and grass or sod.		
32 12 43 00-0002	SY	1" Thick, Recycled Plastic Flexible Pavement With Sand Fill	22.11	
		Note: Includes sand fill in rings. Excludes base, earth work and grass or sod. Invisible Structures, Inc.; Grasspave2.		
		For Up To 100, Add	*7.89*	
		For >100 To 500, Add	*2.05*	
		For >1,000 To 5,000, Deduct	*-0.95*	
		For >5,000, Deduct	*-1.80*	

32 12 73 Asphalt Paving Joint Sealants *(32 12)*

32 12 73 00-0001		Expansion Joint In Sidewalk *(32 12 73)*		
32 12 73 00-0002	LF	For Hot Asphalt Poured Over Expansion Joint In Sidewalk	2.89	

32 13 Rigid Paving *(32 10)*

32 13 13 Concrete Paving *(32 13)*

Note: The following section includes spreading and placing delivered Portland cement concrete mix.

32 13 13 17 Roller-Compacted Concrete Paving *(32 13 13)*

32 13 13 17-0001		Concrete Paving Assemblies *(32 13 13 17)*		
		Note: Includes forms, wire mesh (where necessary), #3-#6 reinforcing rods at 12" on center with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float and finish. Excludes excavation, base and earthwork. Includes concrete paving machine. To be used for roadways, driveways, parking areas, or other areas of vehicular traffic. See CSI section 03 05 00 00-0001 for color additive.		
32 13 13 17-0002		4,500 PSI Concrete Paving Assembly *(32 13 13 17-0001)*		
32 13 13 17-0003	SY	4" 4,500 PSI Concrete Paving Assembly	40.28	
		For 2,500 PSI Concrete, Deduct	*-2.13*	
		For 3,000 PSI Concrete, Deduct	*-1.39*	
		For 3,500 PSI Concrete, Deduct	*-1.11*	
		For 4,000 PSI Concrete, Deduct	*-0.48*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*2.41*	
		For <10' Wide Pass, Add	*7.29*	
		For >24' Wide Pass, Deduct	*-8.06*	
		For Air Entrainment, Add	*0.93*	
		For Accelerator Admixtures, Add	*1.11*	
		For Slipforming, Deduct	*-4.03*	
		For Up To 100, Add	*16.76*	
		For >100 To 250, Add	*9.30*	
		For >250 To 500, Add	*4.65*	
		For >1,000 To 2,000, Deduct	*-0.93*	
		For >2,000 To 5,000, Deduct	*-1.93*	
		For >5,000 To 10,000, Deduct	*-2.94*	
		For >10,000 To 20,000, Deduct	*-3.95*	
		For >20,000, Deduct	*-4.95*	
32 13 13 17-0004	SY	5" 4,500 PSI Concrete Paving Assembly	47.42	
		For 2,500 PSI Concrete, Deduct	*-2.67*	
		For 3,000 PSI Concrete, Deduct	*-1.74*	
		For 3,500 PSI Concrete, Deduct	*-1.40*	
		For 4,000 PSI Concrete, Deduct	*-0.60*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*3.02*	
		For <10' Wide Pass, Add	*8.37*	
		For >24' Wide Pass, Deduct	*-9.48*	
		For Air Entrainment, Add	*1.16*	
		For Accelerator Admixtures, Add	*1.40*	
		For Slipforming, Deduct	*-4.74*	
		For Up To 100, Add	*19.15*	
		For >100 To 250, Add	*10.74*	
		For >250 To 500, Add	*5.37*	
		For >1,000 To 2,000, Deduct	*-1.16*	
		For >2,000 To 5,000, Deduct	*-2.35*	
		For >5,000 To 10,000, Deduct	*-3.53*	
		For >10,000 To 20,000, Deduct	*-4.72*	
		For >20,000, Deduct	*-5.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 17-0005	SY	6" 4,500 PSI Concrete Paving Assembly	50.72	
		For 2,500 PSI Concrete, Deduct	*-2.82*	
		For 3,000 PSI Concrete, Deduct	*-1.84*	
		For 3,500 PSI Concrete, Deduct	*-1.47*	
		For 4,000 PSI Concrete, Deduct	*-0.64*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*3.19*	
		For <10' Wide Pass, Add	*9.00*	
		For >24' Wide Pass, Deduct	*-10.14*	
		For Air Entrainment, Add	*1.23*	
		For Accelerator Admixtures, Add	*1.47*	
		For Slipforming, Deduct	*-5.07*	
		For Up To 100, Add	*20.62*	
		For >100 To 250, Add	*11.54*	
		For >250 To 500, Add	*5.77*	
		For >1,000 To 2,000, Deduct	*-1.23*	
		For >2,000 To 5,000, Deduct	*-2.50*	
		For >5,000 To 10,000, Deduct	*-3.76*	
		For >10,000 To 20,000, Deduct	*-5.03*	
		For >20,000, Deduct	*-6.30*	
32 13 13 17-0006	SY	7" 4,500 PSI Concrete Paving Assembly	59.94	
		For 2,500 PSI Concrete, Deduct	*-3.56*	
		For 3,000 PSI Concrete, Deduct	*-2.32*	
		For 3,500 PSI Concrete, Deduct	*-1.86*	
		For 4,000 PSI Concrete, Deduct	*-0.80*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*4.02*	
		For <10' Wide Pass, Add	*10.34*	
		For >24' Wide Pass, Deduct	*-11.99*	
		For Air Entrainment, Add	*1.55*	
		For Accelerator Admixtures, Add	*1.86*	
		For Slipforming, Deduct	*-5.99*	
		For Up To 100, Add	*23.59*	
		For >100 To 250, Add	*13.34*	
		For >250 To 500, Add	*6.67*	
		For >1,000 To 2,000, Deduct	*-1.55*	
		For >2,000 To 5,000, Deduct	*-3.05*	
		For >5,000 To 10,000, Deduct	*-4.54*	
		For >10,000 To 20,000, Deduct	*-6.04*	
		For >20,000, Deduct	*-7.54*	
32 13 13 17-0007	SY	8" 4,500 PSI Concrete Paving Assembly	68.76	
		For 2,500 PSI Concrete, Deduct	*-3.91*	
		For 3,000 PSI Concrete, Deduct	*-2.55*	
		For 3,500 PSI Concrete, Deduct	*-2.04*	
		For 4,000 PSI Concrete, Deduct	*-0.88*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*4.41*	
		For <10' Wide Pass, Add	*12.10*	
		For >24' Wide Pass, Deduct	*-13.75*	
		For Air Entrainment, Add	*1.70*	
		For Accelerator Admixtures, Add	*2.04*	
		For Slipforming, Deduct	*-6.88*	
		For Up To 100, Add	*27.67*	
		For >100 To 250, Add	*15.53*	
		For >250 To 500, Add	*7.77*	
		For >1,000 To 2,000, Deduct	*-1.70*	
		For >2,000 To 5,000, Deduct	*-3.42*	
		For >5,000 To 10,000, Deduct	*-5.14*	
		For >10,000 To 20,000, Deduct	*-6.86*	
		For >20,000, Deduct	*-8.57*	
32 13 13 17-0008	SY	9" 4,500 PSI Concrete Paving Assembly	77.66	
		For 2,500 PSI Concrete, Deduct	*-4.51*	
		For 3,000 PSI Concrete, Deduct	*-2.94*	
		For 3,500 PSI Concrete, Deduct	*-2.35*	
		For 4,000 PSI Concrete, Deduct	*-1.02*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*5.10*	
		For <10' Wide Pass, Add	*13.53*	
		For >24' Wide Pass, Deduct	*-15.53*	
		For Air Entrainment, Add	*1.96*	
		For Accelerator Admixtures, Add	*2.35*	
		For Slipforming, Deduct	*-7.77*	
		For Up To 100, Add	*30.90*	
		For >100 To 250, Add	*17.41*	
		For >250 To 500, Add	*8.71*	
		For >1,000 To 2,000, Deduct	*-1.96*	
		For >2,000 To 5,000, Deduct	*-3.90*	
		For >5,000 To 10,000, Deduct	*-5.85*	
		For >10,000 To 20,000, Deduct	*-7.79*	
		For >20,000, Deduct	*-9.73*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 17-0009	SY	10" 4,500 PSI Concrete Paving Assembly	86.67	
		For 2,500 PSI Concrete, Deduct	*-4.96*	
		For 3,000 PSI Concrete, Deduct	*-3.24*	
		For 3,500 PSI Concrete, Deduct	*-2.59*	
		For 4,000 PSI Concrete, Deduct	*-1.12*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*5.61*	
		For <10' Wide Pass, Add	*15.19*	
		For >24' Wide Pass, Deduct	*-17.33*	
		For Air Entrainment, Add	*2.16*	
		For Accelerator Admixtures, Add	*2.59*	
		For Slipforming, Deduct	*-8.67*	
		For Up To 100, Add	*34.73*	
		For >100 To 250, Add	*19.53*	
		For >250 To 500, Add	*9.76*	
		For >1,000 To 2,000, Deduct	*-2.16*	
		For >2,000 To 5,000, Deduct	*-4.33*	
		For >5,000 To 10,000, Deduct	*-6.49*	
		For >10,000 To 20,000, Deduct	*-8.66*	
		For >20,000, Deduct	*-10.83*	
32 13 13 17-0010	SY	12" 4,500 PSI Concrete Paving Assembly	103.32	
		For 2,500 PSI Concrete, Deduct	*-5.88*	
		For 3,000 PSI Concrete, Deduct	*-3.83*	
		For 3,500 PSI Concrete, Deduct	*-3.07*	
		For 4,000 PSI Concrete, Deduct	*-1.33*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*6.65*	
		For <10' Wide Pass, Add	*18.16*	
		For >24' Wide Pass, Deduct	*-20.66*	
		For Air Entrainment, Add	*2.56*	
		For Accelerator Admixtures, Add	*3.07*	
		For Slipforming, Deduct	*-10.33*	
		For Up To 100, Add	*41.54*	
		For >100 To 250, Add	*23.33*	
		For >250 To 500, Add	*11.66*	
		For >1,000 To 2,000, Deduct	*-2.56*	
		For >2,000 To 5,000, Deduct	*-5.14*	
		For >5,000 To 10,000, Deduct	*-7.72*	
		For >10,000 To 20,000, Deduct	*-10.31*	
		For >20,000, Deduct	*-12.89*	
32 13 13 17-0011	SY	15" 4,500 PSI Concrete Paving Assembly	132.05	
		For 2,500 PSI Concrete, Deduct	*-7.22*	
		For 3,000 PSI Concrete, Deduct	*-4.71*	
		For 3,500 PSI Concrete, Deduct	*-3.77*	
		For 4,000 PSI Concrete, Deduct	*-1.63*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*8.16*	
		For <10' Wide Pass, Add	*23.60*	
		For >24' Wide Pass, Deduct	*-26.41*	
		For Air Entrainment, Add	*3.14*	
		For Accelerator Admixtures, Add	*3.77*	
		For Slipforming, Deduct	*-13.21*	
		For Up To 100, Add	*54.12*	
		For >100 To 250, Add	*30.20*	
		For >250 To 500, Add	*15.10*	
		For >1,000 To 2,000, Deduct	*-3.14*	
		For >2,000 To 5,000, Deduct	*-6.44*	
		For >5,000 To 10,000, Deduct	*-9.74*	
		For >10,000 To 20,000, Deduct	*-13.04*	
		For >20,000, Deduct	*-16.34*	

32 13 16 Decorative Concrete Paving *(32 13)*

32 13 16 13 Patterned Concrete Paving *(32 13 16)*

32 13 16 13-0001	SF	For Patterned (Tactile) Finish In Sidewalk	3.56	

32 13 43 Pervious Concrete Paving *(32 13)*

32 13 43 00-0001 Pervious Concrete Assembly *(32 13 43)*

Note: Pervious concrete is a special concrete mix with high porosity that allows water to pass through it. For paving and sidewalks.

32 13 43 00-0002	SF	6" Thick Pervious Concrete Paving Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.	11.03	
		For >5,000 To 30,000, Deduct	*-1.24*	
		For >30,000 To 100,000, Deduct	*-2.33*	
		For >100,000, Deduct	*-2.89*	
32 13 43 00-0003	SF	9" Thick Pervious Concrete Paving Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.	13.61	
		For >5,000 To 30,000, Deduct	*-1.49*	
		For >30,000 To 100,000, Deduct	*-2.77*	
		For >100,000, Deduct	*-3.44*	

32 13 73 Concrete Paving Joint Sealants *(32 13)*

32 13 73 13 Fuel-Resistant Concrete Paving Joint Sealants *(32 13 73)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 73 13-0001		Concrete Pavement Joint And Crack Repair *(32 13 73 13)* Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.		
32 13 73 13-0002	LF	Pavement Sealing, Roads Resealing Joints In Concrete Pavements For Roads	6.70	
32 13 73 16		**Field-Molded Concrete Paving Joint Sealants** *(32 13 73)*		
32 13 73 16-0001		Preformed Elastomeric Concrete Pavement Joint And Crack Repair *(32 13 73 16)* Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.		
32 13 73 16-0002	LF	Joint Sealing, Concrete Pavement Preformed Elastomeric	9.87	
32 13 73 19		**Compression Concrete Paving Joint Sealants** *(32 13 73)*		
32 13 73 19-0001		Silicone Joint Sealant For Concrete Pavement *(32 13 73 19)* Note: Installation includes high pressure water wash, sand blast, sweeping, cleaning area, backer rod and Dow Corning 888 silicone sealant. Demolition includes removal of existing material where sawcutting is not required. Excludes saw cutting.		
32 13 73 19-0002	LF	1/4" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	7.89	1.90
32 13 73 19-0003	LF	3/8" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	8.19	1.93
32 13 73 19-0004	LF	1/2" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	8.53	1.98
32 13 73 19-0005	LF	3/4" x 3/8" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	9.47	2.01
32 13 73 19-0006	LF	1" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	10.65	2.05
32 13 73 19-0007	LF	1-1/2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	12.21	2.10
32 13 73 19-0008	LF	2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	14.50	2.14

32 14 Unit Paving *(32 10)*

32 14 09 Paver Restraints *(32 14)*

32 14 09 00-0001		Paver Restraints *(32 14 09)* Note: Paver restraints are used along the edge of a group of pavers as a locking border. Flexible or rigid sections. Includes stakes and connecting devices. Excludes pavers, bedding, excavation, base course and compaction.		
32 14 09 00-0002	LF	Up To 2" Height, Vinyl Paver Restraint	3.02	0.86
		For >1,000 To 2,000, Deduct	*-0.36*	
		For >2,000 To 4,000, Deduct	*-0.52*	
		For >4,000, Deduct	*-0.67*	
32 14 09 00-0003	LF	Up To 2" Height, Galvanized Steel Paver Restraint	3.24	0.86
		For >500 To 1,000, Deduct	*-0.09*	
		For >1,000 To 2,000, Deduct	*-0.19*	
		For >2,000, Deduct	*-0.28*	
32 14 09 00-0004	LF	Up To 1" Height, Aluminum Paver Restraint	3.13	0.86
		For >250 To 500, Deduct	*-0.18*	
		For >500 To 1,000, Deduct	*-0.26*	
		For >1,000 To 1,500, Deduct	*-0.44*	
32 14 09 00-0005	LF	>1" To 2" Height, Aluminum Paver Restraint	3.62	0.86
		For >250 To 500, Deduct	*-0.22*	
		For >500 To 1,000, Deduct	*-0.34*	
		For >1,000 To 1,500, Deduct	*-0.56*	
32 14 09 00-0006	LF	>2" To 3" Height, Aluminum Paver Restraint	4.57	0.86
		For >250 To 500, Deduct	*-0.32*	
		For >500 To 1,000, Deduct	*-0.48*	
		For >1,000 To 1,500, Deduct	*-0.80*	
32 14 09 00-0007	LF	>3" To 4" Height, Aluminum Paver Restraint	5.29	0.86
		For >250 To 500, Deduct	*-0.39*	
		For >500 To 1,000, Deduct	*-0.59*	
		For >1,000 To 1,500, Deduct	*-0.98*	

32 14 11 Bedding For Unit Paving *(32 14)*

32 14 11 00-0001		Bedding For Brick, Precast Concrete Paver And Stone Sidewalk *(32 14 11)* Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. See CSI section 01 74 19 00-0038 for hauling greater than 15 miles.		
32 14 11 00-0002	SF	1" To 2" Sand Bedding, Screeded	0.80	
		For Up To 100, Add	*0.35*	
		For >100 To 500, Add	*0.10*	
		For >1,000 To 5,000, Deduct	*-0.06*	
		For >5,000, Deduct	*-0.10*	
32 14 11 00-0003	SF	1" To 2" Stone Dust Bedding, Screeded	0.96	
		For Up To 100, Add	*0.39*	
		For >100 To 500, Add	*0.11*	
		For >1,000 To 5,000, Deduct	*-0.06*	
		For >5,000, Deduct	*-0.10*	
32 14 11 00-0004	SF	3" Stone Dust Bedding, Screeded	1.25	
		For Up To 100, Add	*0.49*	
		For >100 To 500, Add	*0.13*	
		For >1,000 To 5,000, Deduct	*-0.07*	
		For >5,000, Deduct	*-0.12*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 11 00-0005	SF	4" Stone Dust Bedding, Screeded	1.58	
		For Up To 100, Add	*0.61*	
		For >100 To 500, Add	*0.17*	
		For >1,000 To 5,000, Deduct	*-0.09*	
		For >5,000, Deduct	*-0.15*	
32 14 11 00-0006	SF	1" Mortar Bedding	2.44	
		For Up To 100, Add	*1.10*	
		For >100 To 500, Add	*0.32*	
		For >1,000 To 5,000, Deduct	*-0.20*	
		For >5,000, Deduct	*-0.31*	
32 14 11 00-0007	SF	2" Mortar Bedding	3.55	
		For Up To 100, Add	*1.54*	
		For >100 To 500, Add	*0.44*	
		For >1,000 To 5,000, Deduct	*-0.26*	
		For >5,000, Deduct	*-0.42*	
32 14 11 00-0008	SF	Thin-Set Latex Portland Cement Mortar	1.23	
		For Up To 100, Add	*0.57*	
		For >100 To 500, Add	*0.17*	
		For >1,000 To 5,000, Deduct	*-0.11*	
		For >5,000, Deduct	*-0.16*	

32 14 13 Precast Concrete Unit Paving *(32 14)*

32 14 13 16 Pressed Precast Concrete Unit Paving *(32 14 13)*

32 14 13 16-0001 Precast Concrete Paver Sidewalk *(32 14 13 16)*

Note: Square, rectangular, or interlocking pavers. Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 13 16-0002	SF	2-3/8" Thick, Up To 32 SI Precast Concrete Paver	8.69	2.45
		Note: Includes 2-1/2" x 5", 4" x 4", 4" x 6", 5" x 5", 4" x 8" and other similar size pavers.		
		For 2-3/4" Concrete Paver, Add	*0.81*	
		For 3-1/8" Concrete Paver, Add	*1.31*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.68*	
		For Up To 100, Add	*3.40*	
		For >100 To 500, Add	*0.93*	
		For >1,000 To 5,000, Deduct	*-0.49*	
		For >5,000, Deduct	*-0.85*	
32 14 13 16-0003	SF	2-3/8" Thick, >32 to 64 SI Precast Concrete Paver	8.24	2.24
		Note: Includes 5" x 7", 6" x 6", 8" x 8" and other similar size pavers.		
		For 2-3/4" Concrete Paver, Add	*0.79*	
		For 3-1/8" Concrete Paver, Add	*1.28*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.64*	
		For Up To 100, Add	*3.18*	
		For >100 To 500, Add	*0.86*	
		For >1,000 To 5,000, Deduct	*-0.45*	
		For >5,000, Deduct	*-0.78*	
32 14 13 16-0004	SF	2-3/8" Thick, >64 to 144 SI Precast Concrete Paver	7.84	1.78
		Note: Includes 6" x 12", 12" x 12" and other similar size pavers.		
		For 2-3/4" Concrete Paver, Add	*0.77*	
		For 3-1/8" Concrete Paver, Add	*1.25*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.60*	
		For Up To 100, Add	*2.98*	
		For >100 To 500, Add	*0.80*	
		For >1,000 To 5,000, Deduct	*-0.41*	
		For >5,000, Deduct	*-0.72*	
32 14 13 16-0005	SF	2-3/8" Thick, >144 SI Precast Concrete Paver	7.47	1.85
		Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.		
		For 2-3/4" Concrete Paver, Add	*0.75*	
		For 3-1/8" Concrete Paver, Add	*1.22*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.56*	
		For Up To 100, Add	*2.79*	
		For >100 To 500, Add	*0.74*	
		For >1,000 To 5,000, Deduct	*-0.37*	
		For >5,000, Deduct	*-0.67*	
32 14 13 16-0006	SF	2-3/8" Thick, Precast Concrete Paver, Combinations And Patterns	8.03	2.13
		Note: Patterns made by combining pavers from two or more size groups.		
		For 2-3/4" Concrete Paver, Add	*0.78*	
		For 3-1/8" Concrete Paver, Add	*1.26*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.61*	
		For Up To 100, Add	*3.07*	
		For >100 To 500, Add	*0.83*	
		For >1,000 To 5,000, Deduct	*-0.43*	
		For >5,000, Deduct	*-0.75*	

32 14 16 Brick Unit Paving *(32 14)*

32 14 16 00-0001 Brick Paver Sidewalk *(32 14 16)*

Note: Includes sand joints. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 16 00-0002	SF	4" x 8" x 2-1/4" Brick Paver, Laid Flat	9.29	2.45
		For 1-3/8" Thick Paver, Deduct	*-1.78*	
		For 2-3/4" Thick Paver (Vehicular), Add	*3.97*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.71*	
		For Up To 100, Add	*3.55*	
		For >100 To 500, Add	*0.96*	
		For >1,000 To 5,000, Deduct	*-0.49*	
		For >5,000, Deduct	*-0.87*	
32 14 16 00-0003	SF	4" x 8" x 2-1/4" Brick, Laid On Edge	13.35	2.80
		For 1-3/8" Thick Paver, Deduct	*-3.00*	
		For 2-3/4" Thick Paver (Vehicular), Add	*6.90*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.95*	
		For Up To 100, Add	*4.74*	
		For >100 To 500, Add	*1.23*	
		For >1,000 To 5,000, Deduct	*-0.56*	
		For >5,000, Deduct	*-1.07*	

32 14 40 Stone Paving *(32 14)*

32 14 40 00-0001 Slate Paver Sidewalk *(32 14 40)*

Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.

32 14 40 00-0002	SF	1" Thick, Up to 54 SI Slate Paver	15.05	2.04
		Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.96*	
		For 1/4" Thick Paver, Deduct	*-8.04*	
		For 1/2" Thick Paver, Deduct	*-5.66*	
		For Up To 100, Add	*4.78*	
		For >100 To 500, Add	*1.16*	
		For >1,000 To 5,000, Deduct	*-0.41*	
		For >5,000, Deduct	*-0.94*	
32 14 40 00-0003	SF	1" Thick, >54 to 108 SI Slate Paver	14.68	1.85
		Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.92*	
		For 1/4" Thick Paver, Deduct	*-7.95*	
		For 1/2" Thick Paver, Deduct	*-5.61*	
		For Up To 100, Add	*4.60*	
		For >100 To 500, Add	*1.10*	
		For >1,000 To 5,000, Deduct	*-0.37*	
		For >5,000, Deduct	*-0.88*	
32 14 40 00-0004	SF	1" Thick, >108 to 216 SI Slate Paver	14.03	1.53
		Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.85*	
		For 1/4" Thick Paver, Deduct	*-7.79*	
		For 1/2" Thick Paver, Deduct	*-5.51*	
		For Up To 100, Add	*4.27*	
		For >100 To 500, Add	*1.01*	
		For >1,000 To 5,000, Deduct	*-0.31*	
		For >5,000, Deduct	*-0.79*	
32 14 40 00-0005	SF	1" Thick, >216 SI Slate Paver	13.76	1.39
		Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.83*	
		For 1/4" Thick Paver, Deduct	*-7.72*	
		For 1/2" Thick Paver, Deduct	*-5.47*	
		For Up To 100, Add	*4.14*	
		For >100 To 500, Add	*0.97*	
		For >1,000 To 5,000, Deduct	*-0.28*	
		For >5,000, Deduct	*-0.75*	
32 14 40 00-0006	SF	1" Thick, Slate Paver, Combinations And Patterns	14.32	1.68
		Note: Patterns made by combining pavers from two or more size groups.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.88*	
		For 1/4" Thick Paver, Deduct	*-7.86*	
		For 1/2" Thick Paver, Deduct	*-5.55*	
		For Up To 100, Add	*4.42*	
		For >100 To 500, Add	*1.05*	
		For >1,000 To 5,000, Deduct	*-0.33*	
		For >5,000, Deduct	*-0.83*	

32 14 40 00-0007 Granite Paver Sidewalk *(32 14 40)*

Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.

32 14 40 00-0008	SF	1" Thick, Up to 54 SI Granite Paver	17.38	2.04
		Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.07*	
		For 2" Granite Paver, Add	*0.87*	
		For 3" Granite Paver, Add	*1.74*	
		For 4" Granite Paver, Add	*1.94*	
		For Up To 100, Add	*5.36*	
		For >100 To 500, Add	*1.28*	
		For >1,000 To 5,000, Deduct	*-0.41*	
		For >5,000, Deduct	*-1.01*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 40 00-0009	SF	1" Thick, >54 to 108 SI Granite Paver	17.01	1.85
		Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.04*	
		For 2" Granite Paver, Add	*0.85*	
		For 3" Granite Paver, Add	*1.70*	
		For 4" Granite Paver, Add	*1.89*	
		For Up To 100, Add	*5.18*	
		For >100 To 500, Add	*1.22*	
		For >1,000 To 5,000, Deduct	*-0.37*	
		For >5,000, Deduct	*-0.95*	
32 14 40 00-0010	SF	1" Thick, >108 to 216 SI Granite Paver	16.36	1.53
		Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.97*	
		For 2" Granite Paver, Add	*0.82*	
		For 3" Granite Paver, Add	*1.64*	
		For 4" Granite Paver, Add	*1.79*	
		For Up To 100, Add	*4.85*	
		For >100 To 500, Add	*1.12*	
		For >1,000 To 5,000, Deduct	*-0.31*	
		For >5,000, Deduct	*-0.86*	
32 14 40 00-0011	SF	1" Thick, >216 SI Granite Paver	16.09	1.39
		Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.94*	
		For 2" Granite Paver, Add	*0.80*	
		For 3" Granite Paver, Add	*1.61*	
		For 4" Granite Paver, Add	*1.75*	
		For Up To 100, Add	*4.72*	
		For >100 To 500, Add	*1.08*	
		For >1,000 To 5,000, Deduct	*-0.28*	
		For >5,000, Deduct	*-0.82*	
32 14 40 00-0012	SF	1" Thick, Granite Paver, Combinations And Patterns	16.65	1.68
		Note: Patterns made by combining pavers from two or more size groups.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.00*	
		For 2" Granite Paver, Add	*0.83*	
		For 3" Granite Paver, Add	*1.67*	
		For 4" Granite Paver, Add	*1.83*	
		For Up To 100, Add	*5.00*	
		For >100 To 500, Add	*1.17*	
		For >1,000 To 5,000, Deduct	*-0.33*	
		For >5,000, Deduct	*-0.90*	

32 14 43 Porous Unit Paving *(32 14)*

32 14 43 00-0001 Turf Block *(32 14 43)*

Note: Grass grid, open-cell unit paver, geoblock.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 43 00-0002	SF	3-1/8" Thick, Precast Concrete Turf Block	7.58	2.13
		For Up To 100, Add	*2.96*	
		For >100 To 500, Add	*0.81*	
		For >1,000 To 5,000, Deduct	*-0.43*	
		For >5,000, Deduct	*-0.74*	
32 14 43 00-0003	SF	4" Thick Recycled Polyvinyl Chloride (PVC) Plastic Turf Block	10.85	2.13
		For Up To 100, Add	*3.78*	
		For >100 To 500, Add	*0.97*	
		For >1,000 To 5,000, Deduct	*-0.43*	
		For >5,000, Deduct	*-0.84*	

32 15 Aggregate Surfacing *(32 10)*

32 15 40 Crushed Stone Surfacing *(32 15)*

Note: Includes delivery up to 15 miles from supplier, placement, rolling and compaction water. See CSI section 01 74 19 00-0038 for hauling greater than 15 miles.

32 15 40 00-0001 Gravel Surfacing And Spreading *(32 15 40)*

Note: Includes delivered material, placement, rolling and compaction water.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 15 40 00-0002	CY	Gravel Surfacing And Spreading	61.26	

32 15 40 00-0003 Limestone Screenings *(32 15 40)*

Note: Includes delivered material, placement, rolling and compaction water. For trail maintenance.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 15 40 00-0004	CY	Limestone Screenings For Trail	38.16	

32 16 Curbs, Gutters, Sidewalks, And Driveways *(32 10)*

32 16 13 Curbs And Gutters *(32 16)*

Note: Includes transitions. Demolition Includes two saw cuts (each end) of curbs and gutters for lengths up to 100'. See CSI section 02 41 19 13-0001 for additional saw cuts within the 100'.

32 16 13 13 Cast-In-Place Concrete Curbs And Gutters *(32 16 13)*

Note: Includes concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.

32 16 13 13-0001 Curb And Gutter Combined, Cast In Place *(32 16 13 13)*

Note: Includes concrete, forms, rebar, chairs (where necessary), transitions, expansion joints, finish and curing.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0002	LF	6" x 12" Concrete Gutter With 6" Curb And Face - Straight	19.76	9.06
		For Up To 20, Add	*13.44*	
		For >20 To 50, Add	*7.52*	
		For >50 To 100, Add	*2.96*	
		For >500 To 1,000, Deduct	*-2.58*	
		For >1,000, Deduct	*-4.36*	
		For Rolled Curb And Gutter	*1.37*	
		For Integral Colors, Add	*0.09*	
		Note: Modifier quantity = task quantity x LB/CY color added.		
32 16 13 13-0003	LF	6" x 12" Concrete Gutter With 6" Curb And Face - Radius	21.56	12.08
		For Up To 20, Add	*14.67*	
		For >20 To 50, Add	*8.21*	
		For >50 To 100, Add	*3.23*	
		For >500 To 1,000, Deduct	*-2.82*	
		For >1,000, Deduct	*-4.76*	
		For Rolled Curb And Gutter	*1.51*	
		For Integral Colors, Add	*0.10*	
		Note: Modifier quantity = task quantity x LB/CY color added.		
32 16 13 13-0004	LF	6" x 18" Concrete Gutter With 6" Curb And Face - Straight	25.14	10.04
		For Up To 20, Add	*17.09*	
		For >20 To 50, Add	*9.54*	
		For >50 To 100, Add	*3.77*	
		For >500 To 1,000, Deduct	*-3.26*	
		For >1,000, Deduct	*-5.52*	
		For Rolled Curb And Gutter	*1.72*	
		For Integral Colors, Add	*0.12*	
		Note: Modifier quantity = task quantity x LB/CY color added.		
32 16 13 13-0005	LF	6" x 18" Concrete Gutter With 6" Curb And Face - Radius	27.79	11.18
		For Up To 20, Add	*18.90*	
		For >20 To 50, Add	*10.57*	
		For >50 To 100, Add	*4.17*	
		For >500 To 1,000, Deduct	*-3.62*	
		For >1,000, Deduct	*-6.12*	
		For Rolled Curb And Gutter	*1.92*	
		For Integral Colors, Add	*0.13*	
		Note: Modifier quantity = task quantity x LB/CY color added.		
32 16 13 13-0006	LF	6" x 24" Concrete Gutter With 6" Curb And Face - Straight	30.52	12.08
		For Up To 20, Add	*20.73*	
		For >20 To 50, Add	*11.57*	
		For >50 To 100, Add	*4.58*	
		For >500 To 1,000, Deduct	*-3.94*	
		For >1,000, Deduct	*-6.68*	
		For Rolled Curb And Gutter	*2.07*	
		For Integral Colors, Add	*0.15*	
		Note: Modifier quantity = task quantity x LB/CY color added.		
32 16 13 13-0007	LF	6" x 24" Concrete Gutter With 6" Curb And Face - Radius	34.03	13.59
		For Up To 20, Add	*23.14*	
		For >20 To 50, Add	*12.93*	
		For >50 To 100, Add	*5.10*	
		For >500 To 1,000, Deduct	*-4.42*	
		For >1,000, Deduct	*-7.48*	
		For Rolled Curb And Gutter	*2.34*	
		For Integral Colors, Add	*0.16*	
		Note: Modifier quantity = task quantity x LB/CY color added.		
32 16 13 13-0008	LF	6" x 30" Concrete Gutter With 6" Curb And Face - Straight	36.29	14.35
		For Up To 20, Add	*24.65*	
		For >20 To 50, Add	*13.76*	
		For >50 To 100, Add	*5.44*	
		For >500 To 1,000, Deduct	*-4.69*	
		For >1,000, Deduct	*-7.94*	
		For Rolled Curb And Gutter	*2.45*	
		For Integral Colors, Add	*0.18*	
		Note: Modifier quantity = task quantity x LB/CY color added.		
32 16 13 13-0009	LF	6" x 30" Concrete Gutter With 6" Curb And Face - Radius	39.90	15.87
		For Up To 20, Add	*27.11*	
		For >20 To 50, Add	*15.14*	
		For >50 To 100, Add	*5.99*	
		For >500 To 1,000, Deduct	*-5.17*	
		For >1,000, Deduct	*-8.75*	
		For Rolled Curb And Gutter	*2.72*	
		For Integral Colors, Add	*0.20*	
		Note: Modifier quantity = task quantity x LB/CY color added.		
32 16 13 13-0010	LF	6" x 36" Concrete Gutter With 6" Curb And Face - Straight	42.05	16.62
		For Up To 20, Add	*28.55*	
		For >20 To 50, Add	*15.94*	
		For >50 To 100, Add	*6.31*	
		For >500 To 1,000, Deduct	*-5.43*	
		For >1,000, Deduct	*-9.19*	
		For Rolled Curb And Gutter	*2.84*	
		For Integral Colors, Add	*0.21*	
		Note: Modifier quantity = task quantity x LB/CY color added.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0011	LF	6" x 36" Concrete Gutter With 6" Curb And Face - Radius	45.76	18.13
		For Up To 20, Add	*31.08*	
		For >20 To 50, Add	*17.35*	
		For >50 To 100, Add	*6.86*	
		For >500 To 1,000, Deduct	*-5.91*	
		For >1,000, Deduct	*-10.02*	
		For Rolled Curb And Gutter	*3.10*	
		For Integral Colors, Add	*0.23*	
		Note: Modifier quantity = task quantity x LB/CY color added.		
32 16 13 13-0012	LF	6" x 42" Concrete Gutter With 6" Curb And Face - Straight	47.81	18.89
		For Up To 20, Add	*32.46*	
		For >20 To 50, Add	*18.12*	
		For >50 To 100, Add	*7.17*	
		For >500 To 1,000, Deduct	*-6.17*	
		For >1,000, Deduct	*-10.45*	
		For Rolled Curb And Gutter	*3.22*	
		For Integral Colors, Add	*0.24*	
		Note: Modifier quantity = task quantity x LB/CY color added.		
32 16 13 13-0013	LF	6" x 42" Concrete Gutter With 6" Curb And Face - Radius	53.12	21.15
		For Up To 20, Add	*36.10*	
		For >20 To 50, Add	*20.17*	
		For >50 To 100, Add	*7.97*	
		For >500 To 1,000, Deduct	*-6.89*	
		For >1,000, Deduct	*-11.66*	
		For Rolled Curb And Gutter	*3.63*	
		For Integral Colors, Add	*0.26*	
		Note: Modifier quantity = task quantity x LB/CY color added.		

32 16 13 13-0014 Concrete Curb, Cast In Place *(32 16 13 13)*

Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.

32 16 13 13-0015	LF	6" x 12" Cast In Place Concrete Curb	14.42	7.50
		For Up To 20, Add	*8.89*	
		For >20 To 50, Add	*5.05*	
		For >50 To 100, Add	*1.92*	
		For >500 To 1,000, Deduct	*-1.92*	
		For >1,000, Deduct	*-3.24*	
32 16 13 13-0016	LF	6" x 12" Cast In Place Concrete Curb - Radius	16.54	8.63
		For Up To 20, Add	*10.25*	
		For >20 To 50, Add	*5.82*	
		For >50 To 100, Add	*2.22*	
		For >500 To 1,000, Deduct	*-2.22*	
		For >1,000, Deduct	*-3.74*	
32 16 13 13-0017	LF	6" x 14" Cast In Place Concrete Curb	15.86	7.50
		For Up To 20, Add	*9.74*	
		For >20 To 50, Add	*5.53*	
		For >50 To 100, Add	*2.11*	
		For >500 To 1,000, Deduct	*-2.11*	
		For >1,000, Deduct	*-3.56*	
32 16 13 13-0018	LF	6" x 14" Cast In Place Concrete Curb - Radius	18.19	8.63
		For Up To 20, Add	*11.23*	
		For >20 To 50, Add	*6.38*	
		For >50 To 100, Add	*2.43*	
		For >500 To 1,000, Deduct	*-2.43*	
		For >1,000, Deduct	*-4.10*	
32 16 13 13-0019	LF	6" x 16" Cast In Place Concrete Curb	17.45	7.50
		For Up To 20, Add	*10.62*	
		For >20 To 50, Add	*6.02*	
		For >50 To 100, Add	*2.30*	
		For >500 To 1,000, Deduct	*-2.30*	
		For >1,000, Deduct	*-3.88*	
32 16 13 13-0020	LF	6" x 16" Cast In Place Concrete Curb - Radius	19.98	11.26
		For Up To 20, Add	*12.25*	
		For >20 To 50, Add	*6.95*	
		For >50 To 100, Add	*2.65*	
		For >500 To 1,000, Deduct	*-2.65*	
		For >1,000, Deduct	*-4.47*	
32 16 13 13-0021	LF	6" x 18" Cast In Place Concrete Curb	18.72	7.50
		For Up To 20, Add	*11.32*	
		For >20 To 50, Add	*6.42*	
		For >50 To 100, Add	*2.45*	
		For >500 To 1,000, Deduct	*-2.45*	
		For >1,000, Deduct	*-4.15*	
32 16 13 13-0022	LF	6" x 18" Cast In Place Concrete Curb - Radius	21.18	8.63
		For Up To 20, Add	*12.87*	
		For >20 To 50, Add	*7.30*	
		For >50 To 100, Add	*2.79*	
		For >500 To 1,000, Deduct	*-2.79*	
		For >1,000, Deduct	*-4.71*	
32 16 13 13-0023	LF	6" x 24" Cast In Place Concrete Curb	21.46	8.26
		For Up To 20, Add	*12.63*	
		For >20 To 50, Add	*7.15*	
		For >50 To 100, Add	*2.74*	
		For >500 To 1,000, Deduct	*-2.74*	
		For >1,000, Deduct	*-4.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0024	LF	6" x 24" Cast In Place Concrete Curb - Radius	24.02	9.38
		For Up To 20, Add	*14.18*	
		For >20 To 50, Add	*8.03*	
		For >50 To 100, Add	*3.08*	
		For >500 To 1,000, Deduct	*-3.08*	
		For >1,000, Deduct	*-5.22*	
32 16 13 13-0025	LF	12" x 24" Cast In Place Concrete Curb	28.01	9.38
		For Up To 20, Add	*14.98*	
		For >20 To 50, Add	*8.43*	
		For >50 To 100, Add	*3.28*	
		For >500 To 1,000, Deduct	*-3.28*	
		For >1,000, Deduct	*-5.62*	
32 16 13 13-0026	LF	12" x 24" Cast In Place Concrete Curb - Radius	31.19	10.51
		For Up To 20, Add	*16.74*	
		For >20 To 50, Add	*9.42*	
		For >50 To 100, Add	*3.66*	
		For >500 To 1,000, Deduct	*-3.66*	
		For >1,000, Deduct	*-6.27*	
32 16 13 13-0027	EA	Additional Finish For Handicap Drop Section In Curb	56.29	

32 16 13 13-0028 Concrete Band, Cast In Place *(32 16 13 13)*

Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.

32 16 13 13-0029	LF	6" x 6" Concrete Band Note: Excludes base course.	13.30	7.50
		For Up To 20, Add	*8.67*	
		For >20 To 50, Add	*4.93*	
		For >50 To 100, Add	*1.87*	
		For >500 To 1,000, Deduct	*-1.87*	
		For >1,000, Deduct	*-3.13*	

32 16 13 14 Machine Formed, Slip Form Curbs *(32 16 13)*

Note: Includes delivered concrete, steel, expansion joints and finish.

32 16 13 14-0001	LF	6" x 12" Straight Curb, Machine Formed	9.26
32 16 13 14-0002	LF	6" x 12" Curved Curb, Machine Formed	12.56
32 16 13 14-0003	LF	6" x 18" Straight Curb, Machine Formed	12.24
32 16 13 14-0004	LF	6" x 18" Curved Curb, Machine Formed	16.10

32 16 13 16 Steel Faced Curbs *(32 16 13)*

Note: Fabrication includes handicap and other curb access cuts.

32 16 13 16-0001 Sidewalk/Curb Facing *(32 16 13 16)*

Note: Fabrication includes handicap and other curb access cuts.

32 16 13 16-0002	LF	3" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	13.72	4.05
		For Curved Section, Add	*2.88*	
32 16 13 16-0003	LF	4" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	15.07	4.60
		For Curved Section, Add	*3.23*	
32 16 13 16-0004	LF	6" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	20.54	5.14
		For Curved Section, Add	*3.99*	
32 16 13 16-0005	LF	8" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	25.35	5.79
		For Curved Section, Add	*4.69*	
32 16 13 16-0006	LF	10" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	31.17	6.34
		For Curved Section, Add	*5.49*	
32 16 13 16-0007	LF	12" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	40.82	8.09
		For Curved Section, Add	*7.10*	
32 16 13 16-0008	LF	13" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	46.80	10.49
		For Curved Section, Add	*8.60*	
32 16 13 16-0009	EA	Sidewalk/Curb Steel Facing, Pedestrian Ramps, Two Drops Per Section	148.86	

32 16 13 19 Cast-In-Place Concrete Drainage Ditches *(32 16 13)*

32 16 13 19-0001 Valley Gutter, Cast In Place *(32 16 13 19)*

Note: Includes concrete, forms, rebar, expansion joints, finish and curing.

32 16 13 19-0002	LF	2' Wide Valley Gutter, 6" Thick	20.59	
		For Up To 20, Add	*10.52*	
		For >20 To 50, Add	*5.90*	
		For >50 To 100, Add	*2.31*	
		For >500 To 1,000, Deduct	*-2.31*	
		For >1,000, Deduct	*-3.98*	
32 16 13 19-0003	LF	2-1/2' Wide Valley Gutter, 6" Thick	25.16	
		For Up To 20, Add	*12.75*	
		For >20 To 50, Add	*7.15*	
		For >50 To 100, Add	*2.80*	
		For >500 To 1,000, Deduct	*-2.80*	
		For >1,000, Deduct	*-4.83*	
32 16 13 19-0004	LF	3' Wide Valley Gutter, 6" Thick	29.65	
		For Up To 20, Add	*14.92*	
		For >20 To 50, Add	*8.36*	
		For >50 To 100, Add	*3.28*	
		For >500 To 1,000, Deduct	*-3.28*	
		For >1,000, Deduct	*-5.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 19-0005	LF	3-1/2' Wide Valley Gutter, 6" Thick	34.14	
		For Up To 20, Add	*17.09*	
		For >20 To 50, Add	*9.57*	
		For >50 To 100, Add	*3.76*	
		For >500 To 1,000, Deduct	*-3.76*	
		For >1,000, Deduct	*-6.49*	
32 16 13 19-0006	LF	4' Wide Valley Gutter, 6" Thick	38.64	
		For Up To 20, Add	*19.26*	
		For >20 To 50, Add	*10.79*	
		For >50 To 100, Add	*4.24*	
		For >500 To 1,000, Deduct	*-4.24*	
		For >1,000, Deduct	*-7.32*	
32 16 13 19-0007	LF	5' Wide Valley Gutter, 6" Thick	45.42	
		For Up To 20, Add	*22.06*	
		For >20 To 50, Add	*12.33*	
		For >50 To 100, Add	*4.87*	
		For >500 To 1,000, Deduct	*-4.87*	
		For >1,000, Deduct	*-8.44*	
32 16 13 19-0008	LF	6' Wide Valley Gutter, 6" Thick	51.85	
		For Up To 20, Add	*24.62*	
		For >20 To 50, Add	*13.74*	
		For >50 To 100, Add	*5.44*	
		For >500 To 1,000, Deduct	*-5.44*	
		For >1,000, Deduct	*-9.46*	
32 16 13 19-0009	SF	>6' Wide Valley Gutter, 6" Thick	8.63	
		For Up To 100, Add	*4.10*	
		For >100 To 250, Add	*2.29*	
		For >250 To 500, Add	*0.91*	
		For >2,500 To 5,000, Deduct	*-0.91*	
		For >5,000, Deduct	*-1.57*	
32 16 13 19-0010	LF	2' Wide Valley Gutter, 7" Thick	22.47	
		For Up To 20, Add	*11.25*	
		For >20 To 50, Add	*6.30*	
		For >50 To 100, Add	*2.47*	
		For >500 To 1,000, Deduct	*-2.47*	
		For >1,000, Deduct	*-4.27*	
32 16 13 19-0011	LF	2-1/2' Wide Valley Gutter, 7" Thick	27.67	
		For Up To 20, Add	*13.77*	
		For >20 To 50, Add	*7.71*	
		For >50 To 100, Add	*3.03*	
		For >500 To 1,000, Deduct	*-3.03*	
		For >1,000, Deduct	*-5.24*	
32 16 13 19-0012	LF	3' Wide Valley Gutter, 7" Thick	32.41	
		For Up To 20, Add	*15.97*	
		For >20 To 50, Add	*8.94*	
		For >50 To 100, Add	*3.52*	
		For >500 To 1,000, Deduct	*-3.52*	
		For >1,000, Deduct	*-6.09*	
32 16 13 19-0013	LF	3-1/2' Wide Valley Gutter, 7" Thick	37.34	
		For Up To 20, Add	*18.30*	
		For >20 To 50, Add	*10.24*	
		For >50 To 100, Add	*4.03*	
		For >500 To 1,000, Deduct	*-4.03*	
		For >1,000, Deduct	*-6.98*	
32 16 13 19-0014	LF	4' Wide Valley Gutter, 7" Thick	42.26	
		For Up To 20, Add	*20.63*	
		For >20 To 50, Add	*11.53*	
		For >50 To 100, Add	*4.55*	
		For >500 To 1,000, Deduct	*-4.55*	
		For >1,000, Deduct	*-7.88*	
32 16 13 19-0015	LF	5' Wide Valley Gutter, 7" Thick	49.79	
		For Up To 20, Add	*23.66*	
		For >20 To 50, Add	*13.20*	
		For >50 To 100, Add	*5.23*	
		For >500 To 1,000, Deduct	*-5.23*	
		For >1,000, Deduct	*-9.09*	
32 16 13 19-0016	LF	6' Wide Valley Gutter, 7" Thick	56.95	
		For Up To 20, Add	*26.43*	
		For >20 To 50, Add	*14.72*	
		For >50 To 100, Add	*5.86*	
		For >500 To 1,000, Deduct	*-5.86*	
		For >1,000, Deduct	*-10.21*	
32 16 13 19-0017	SF	>6' Wide Valley Gutter, 7" Thick	9.50	
		For Up To 100, Add	*4.41*	
		For >100 To 250, Add	*2.46*	
		For >250 To 500, Add	*0.98*	
		For >2,500 To 5,000, Deduct	*-0.98*	
		For >5,000, Deduct	*-1.70*	
32 16 13 19-0018	LF	5' Wide Valley Gutter, 6" Thick	45.42	
32 16 13 19-0019	LF	6' Wide Valley Gutter, 6" Thick	51.85	
32 16 13 19-0020	LF	2' Wide Valley Gutter, 8" Thick	22.82	
		For Up To 20, Add	*11.67*	
		For >20 To 50, Add	*6.55*	
		For >50 To 100, Add	*2.56*	
		For >500 To 1,000, Deduct	*-2.56*	
		For >1,000, Deduct	*-4.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 19-0021	LF	2-1/2' Wide Valley Gutter, 8" Thick	27.90	
		For Up To 20, Add	*14.16*	
		For >20 To 50, Add	*7.94*	
		For >50 To 100, Add	*3.11*	
		For >500 To 1,000, Deduct	*-3.11*	
		For >1,000, Deduct	*-5.36*	
32 16 13 19-0022	LF	3' Wide Valley Gutter, 8" Thick	32.87	
		For Up To 20, Add	*16.56*	
		For >20 To 50, Add	*9.28*	
		For >50 To 100, Add	*3.64*	
		For >500 To 1,000, Deduct	*-3.64*	
		For >1,000, Deduct	*-6.28*	
32 16 13 19-0023	LF	3-1/2' Wide Valley Gutter, 8" Thick	37.85	
		For Up To 20, Add	*18.97*	
		For >20 To 50, Add	*10.63*	
		For >50 To 100, Add	*4.17*	
		For >500 To 1,000, Deduct	*-4.17*	
		For >1,000, Deduct	*-7.21*	
32 16 13 19-0024	LF	4' Wide Valley Gutter, 8" Thick	42.83	
		For Up To 20, Add	*21.38*	
		For >20 To 50, Add	*11.97*	
		For >50 To 100, Add	*4.70*	
		For >500 To 1,000, Deduct	*-4.70*	
		For >1,000, Deduct	*-8.13*	
32 16 13 19-0025	LF	5' Wide Valley Gutter, 8" Thick	50.33	
32 16 13 19-0026	LF	6' Wide Valley Gutter, 8" Thick	57.46	
32 16 13 19-0027	SF	>6' Wide Valley Gutter, 8" Thick	9.58	
		For Up To 100, Add	*4.56*	
		For >100 To 250, Add	*2.54*	
		For >250 To 500, Add	*1.01*	
		For >2,500 To 5,000, Deduct	*-1.01*	
		For >5,000, Deduct	*-1.75*	

32 16 13 23 Precast Concrete Curbs And Gutters *(32 16 13)*

32 16 13 23-0001	LF	6" X 18" Precast Concrete Curb	31.83	7.63
32 16 13 23-0002	LF	6" X 18" Precast Concrete Curb, Radius	37.94	8.78

32 16 13 33 Asphalt Curbs *(32 16 13)*

32 16 13 33-0001 Asphalt Curbs *(32 16 13 33)*

32 16 13 33-0002	LF	6" Wide x 6" High Asphalt Curb 64 LF/TON, Bituminous, Plain	10.05	4.14
32 16 13 33-0003	LF	8" Wide x 6" High Asphalt Curb 50 LF/TON, Bituminous, Plain	11.31	4.60
32 16 13 33-0004	LF	8" Wide x 8" High Asphalt Curb 44 LF/TON, Bituminous, Plain	12.48	5.06

32 16 13 43 Stone Curbs *(32 16 13)*

32 16 13 43-0001 Remove And Reset Stone And Precast Curbing *(32 16 13 43)*

Note: Includes storage and cleaning.

32 16 13 43-0002	LF	Remove And Reset Stone Or Precast Curbing Note: Includes storage and cleaning.	26.33	

32 16 23 Sidewalks *(32 16)*

32 16 23 00-0001 Cast In Place Concrete Sidewalk *(32 16 23)*

Note: Includes finish grading, delivered concrete (up to 3500 PSI) by chute, formwork, 1/4" radius joints and edges, polyethylene sheeting, control joints, expansion joints, screed, broom finish, and curing. Excludes excavation, base, base compaction and welded wire reinforcement. For bar or fiber reinforcing, add bar or fiber reinforcing tasks. See CSI section 03 21 00 00-0000 for reinforcing steel, 03 31 13 00-0088 for pumping with boom truck, 03 31 13 00-0098 for buggies, 03 31 13 00-0105 for short loads, 31 00 00 00-0000 for excavation, 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.

32 16 23 00-0002	SF	4" Cast In Place Concrete Sidewalk	6.83	
		For Up To 100, Add	*2.95*	
		For >100 To 500, Add	*0.84*	
		For >1,000 To 5,000, Deduct	*-0.50*	
		For >5,000, Deduct	*-1.09*	
		For Welded Wire Reinforcement, Add	*0.53*	
32 16 23 00-0003	SF	5" Cast In Place Concrete Sidewalk	7.42	
		For Up To 100, Add	*3.15*	
		For >100 To 500, Add	*0.89*	
		For >1,000 To 5,000, Deduct	*-0.52*	
		For >5,000, Deduct	*-1.15*	
		For Welded Wire Reinforcement, Add	*0.55*	
32 16 23 00-0004	SF	6" Cast In Place Concrete Sidewalk	8.03	
		For Up To 100, Add	*3.35*	
		For >100 To 500, Add	*0.94*	
		For >1,000 To 5,000, Deduct	*-0.54*	
		For >5,000, Deduct	*-1.20*	
		For Welded Wire Reinforcement, Add	*0.56*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 23 00-0005	SF	7" Cast In Place Concrete Sidewalk	9.31	
		For Up To 100, Add	*3.85*	
		For >100 To 500, Add	*1.07*	
		For >1,000 To 5,000, Deduct	*-0.61*	
		For >5,000, Deduct	*-1.38*	
		For Welded Wire Reinforcement, Add	*0.62*	
32 16 23 00-0006	SF	8" Cast In Place Concrete Sidewalk	9.83	
		For Up To 100, Add	*4.00*	
		For >100 To 500, Add	*1.11*	
		For >1,000 To 5,000, Deduct	*-0.62*	
		For >5,000, Deduct	*-1.42*	
		For Welded Wire Reinforcement, Add	*0.62*	
32 16 23 00-0007	SF	For Exposed Aggregate Finish In Sidewalk	1.78	
32 16 23 00-0008	EA	Finish Concrete Handicap Drop Section In Sidewalk Note: Excludes patterned (tactile) finish.	106.51	

32 16 23 00-0009 Bituminous Sidewalk *(32 16 23)*

Note: Includes finish grading, delivered asphalt, formwork, control joints, expansion joints, and compaction. Excludes excavation, base, and base compaction. See CSI section 31 00 00 00-0000 for excavation, 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.

32 16 23 00-0010	SY	1" Bituminous Sidewalk	7.19	
		For Up To 100, Add	*2.69*	
		For >100 To 500, Add	*0.72*	
		For >1,000 To 5,000, Deduct	*-0.36*	
		For >5,000, Deduct	*-0.72*	
32 16 23 00-0011	SY	1-1/2" Bituminous Sidewalk	9.03	
		For Up To 100, Add	*3.33*	
		For >100 To 500, Add	*0.88*	
		For >1,000 To 5,000, Deduct	*-0.43*	
		For >5,000, Deduct	*-0.88*	
32 16 23 00-0012	SY	2" Bituminous Sidewalk	12.54	
		For Up To 100, Add	*4.46*	
		For >100 To 500, Add	*1.16*	
		For >1,000 To 5,000, Deduct	*-0.53*	
		For >5,000, Deduct	*-1.16*	
32 16 23 00-0013	SY	2-1/2" Bituminous Sidewalk	15.68	
		For Up To 100, Add	*5.57*	
		For >100 To 500, Add	*1.44*	
		For >1,000 To 5,000, Deduct	*-0.66*	
		For >5,000, Deduct	*-1.44*	
32 16 23 00-0014	SY	3" Bituminous Sidewalk	18.06	
		For Up To 100, Add	*6.30*	
		For >100 To 500, Add	*1.62*	
		For >1,000 To 5,000, Deduct	*-0.71*	
		For >5,000, Deduct	*-1.62*	
32 16 23 00-0015	SY	3-1/2" Bituminous Sidewalk	20.86	
		For Up To 100, Add	*7.18*	
		For >100 To 500, Add	*1.83*	
		For >1,000 To 5,000, Deduct	*-0.79*	
		For >5,000, Deduct	*-1.83*	

32 17 Paving Specialties *(32 10)*

32 17 13 Parking Bumpers *(32 17)*

Note: Includes dowels set.

32 17 13 16 Plastic Parking Bumpers *(32 17 13)*

32 17 13 16-0001	EA	4" x 6" x 4' Wheel Stop, Recycled Plastic	56.91	5.68
32 17 13 16-0002	EA	4" x 6" x 6' Wheel Stop, Recycled Plastic	63.47	5.68

32 17 13 19 Precast Concrete Parking Bumpers *(32 17 13)*

32 17 13 19-0001	LF	12" x 6" Precast Concrete Barrier With Dowels	53.63	1.37
32 17 13 19-0002	EA	6" x 8" x 4' Precast Concrete Wheel Stop	42.56	17.10
32 17 13 19-0003	EA	6" x 6" x 6' Precast Concrete Wheel Stop	49.33	17.10
32 17 13 19-0004	EA	6" x 8" x 6' Precast Concrete Wheel Stop	50.35	17.10
32 17 13 19-0005	EA	6" x 10" x 6' Precast Concrete Wheel Stop	52.45	17.10
32 17 13 19-0006	EA	8" x 4-1/2" x 6' Precast Concrete Wheel Stop	49.33	17.10
32 17 13 19-0007	EA	8" x 13" x 6' Precast Concrete Wheel Stop	60.92	17.10

32 17 13 23 Rubber Parking Bumpers *(32 17 13)*

32 17 13 23-0001	EA	3' Rubber Bumper Wheel Stop	26.48	5.68
32 17 13 23-0002	EA	4' Rubber Bumper Wheel Stop	31.16	5.68
32 17 13 23-0003	EA	5' Rubber Bumper Wheel Stop	33.03	5.68
32 17 13 23-0004	EA	6' Rubber Bumper Wheel Stop	35.84	5.68

32 17 13 26 Wood Parking Bumpers *(32 17 13)*

32 17 13 26-0001	LF	4" x 4" Timber Barrier With Saddles For Cars, Pressure Treated	7.65	1.37
32 17 13 26-0002	LF	6" x 6" Timber Barriers With Saddle For Trucks, Pressure Treated	9.82	1.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 13 33		**Remove And Relocate Stops** *(32 17 13)*		
32 17 13 33-0001	EA	Remove And Relocate Precast Concrete Wheel Stop	27.36	
32 17 13 33-0002	EA	Remove And Relocate Plastic Or Wood Wheel Stop	17.79	
32 17 16		**Speed Bumps** *(32 17)*		
32 17 16 00-0001		Speed Bumps *(32 17 16)* Note: Excludes pavement markings or reflectors.		
32 17 16 00-0002	LF	2-1/4" High x 10-1/2" Wide, Asphalt Speed Bump Note: Excludes striping.	27.65	1.37
32 17 16 00-0003	LF	3-1/2" High x 12" Wide, Asphalt Speed Bump Note: Excludes striping.	48.16	
32 17 16 00-0004	LF	2-1/4" High x 12" Wide, Recycled Rubber Speed Bump	26.10	0.91
32 17 16 00-0005	LF	2-5/8" High x 12" Wide, Recycled Plastic Speed Bump	35.93	0.91
32 17 16 00-0006		Modular Rubber Speed Tables *(32 17 16)* Note: 3" high flat topped speed humps, 18" x 42" modular rubber construction. Trafficlogix.		
32 17 16 00-0007	SF	Up To 24' Road Width x 7' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	37.99	
32 17 16 00-0008	SF	Up To 24' Road Width x 14' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	33.19	
32 17 16 00-0009	SF	Up To 24' Road Width x 21' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	31.07	
32 17 16 00-0010	SF	>24' To 30' Road Width x 7' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	36.33	
32 17 16 00-0011	SF	>24' To 30' Road Width x 14' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	31.89	
32 17 16 00-0012	SF	>24' To 30' Road Width x 21' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	30.01	
32 17 16 00-0013	SF	>30' To 40' Road Width x 7' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	34.66	
32 17 16 00-0014	SF	>30' To 40' Road Width x 14' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	30.88	
32 17 16 00-0015	SF	>30' To 40' Road Width x 21' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	29.12	
32 17 16 00-0016		Asphalt Speed Table *(32 17 16)* Note: Excludes pavement markings or reflectors.		
32 17 16 00-0017	LF	Up to 36" Wide Asphalt Speed Table With 3" Center Crown Note: Tapered on edges to roadway.	27.91	
32 17 16 00-0018	LF	>36" To 48" Wide Asphalt Speed Table With 3" Center Crown Note: Tapered on edges to roadway.	32.94	
32 17 16 00-0019	LF	Up to 36" Wide Asphalt Speed Table With 4" Center Crown Note: Tapered on edges to roadway.	35.08	
32 17 16 00-0020	LF	>36" To 48" Wide Asphalt Speed Table With 4" Center Crown Note: Tapered on edges to roadway.	41.42	
32 17 16 00-0021	LF	Up to 36" Wide Asphalt Speed Table With 6" Center Crown Note: Tapered on edges to roadway.	42.90	
32 17 16 00-0022	LF	>36" To 48" Wide Asphalt Speed Table With 6" Center Crown Note: Tapered on edges to roadway.	47.92	
32 17 16 00-0023		Concrete Speed Table *(32 17 16)*		
32 17 16 00-0024	SF	Concrete Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	10.11	
32 17 23		**Pavement Markings** *(32 17)* See CSI section 01 55 26 00-0000 for temporary markings and removable line mask tape.		
32 17 23 13		**Painted Pavement Markings** *(32 17 23)*		
32 17 23 13-0001		Painted Pavement Striping, Letters, Symbols And Markers For Roads *(32 17 23 13)* Note: Includes primers, adhesive and glass beads where required. For broken line modifier quantity use total lane length.		
32 17 23 13-0002		Alkyd/Solvent Based/Latex Reflective Pavement Marking *(32 17 23 13-0001)* Note: 15 mil thickness.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0003	LF	Single 4" Wide Solid Line, Painted Reflective Pavement Striping	0.22	
		For Up To 1 Mile, Add	*0.04*	
		For >5 Miles, Deduct	*-0.03*	
		For Broken Line, Deduct	*-0.04*	
32 17 23 13-0004	LF	Single 6" Wide Solid Line, Painted Reflective Pavement Striping	0.27	
		For Up To 1 Mile, Add	*0.05*	
		For >5 Miles, Deduct	*-0.04*	
		For Broken Line, Deduct	*-0.05*	
32 17 23 13-0005	LF	Single 8" Wide Solid Line, Painted Reflective Pavement Striping	0.35	
		For Up To 1 Mile, Add	*0.07*	
		For >5 Miles, Deduct	*-0.05*	
		For Broken Line, Deduct	*-0.07*	
32 17 23 13-0006	LF	Single 12" Wide Solid Line, Painted Reflective Pavement Striping	0.47	
		For Up To 1 Mile, Add	*0.09*	
		For >5 Miles, Deduct	*-0.07*	
		For Broken Line, Deduct	*-0.10*	
32 17 23 13-0007	LF	Double 4" Wide Solid Lines, Painted Reflective Pavement Striping	0.31	
		For Up To 1 Mile, Add	*0.06*	
		For >5 Miles, Deduct	*-0.05*	
		For Broken Line On One Side, Deduct	*-0.03*	
		For Double Broken Line, Deduct	*-0.07*	
32 17 23 13-0008	LF	Double 6" Wide Solid Lines, Painted Reflective Pavement Striping	0.47	
		For Up To 1 Mile, Add	*0.09*	
		For >5 Miles, Deduct	*-0.07*	
		For Broken Line On One Side, Deduct	*-0.05*	
		For Double Broken Line, Deduct	*-0.10*	
32 17 23 13-0009	SF	Solid Area, Painted Reflective Pavement Striping Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.	4.25	
32 17 23 13-0010	EA	6" High, Letter/Number, Alkyd Reflective Pavement Striping	3.09	
		For <10, Add	*0.42*	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 200, Deduct	*-0.28*	
		For >200, Deduct	*-0.56*	
32 17 23 13-0011	EA	12" High, Letter/Number, Alkyd Reflective Pavement Striping	5.23	
		For <10, Add	*0.64*	
		For >50 To 100, Deduct	*-0.32*	
		For >100 To 200, Deduct	*-0.43*	
		For >200, Deduct	*-0.85*	
32 17 23 13-0012	EA	24" High, Letter/Number, Alkyd Reflective Pavement Striping	8.77	
		For <10, Add	*1.06*	
		For >50 To 100, Deduct	*-0.53*	
		For >100 To 200, Deduct	*-0.71*	
		For >200, Deduct	*-1.42*	
32 17 23 13-0013	EA	36" High, Letter/Number, Alkyd Reflective Pavement Striping	17.13	
		For <10, Add	*2.12*	
		For >50 To 100, Deduct	*-1.06*	
		For >100 To 200, Deduct	*-1.42*	
		For >200, Deduct	*-2.83*	
32 17 23 13-0014	EA	48" High, Letter/Number, Alkyd Reflective Pavement Striping	19.73	
		For <10, Add	*2.38*	
		For >50 To 100, Deduct	*-1.19*	
		For >100 To 200, Deduct	*-1.59*	
		For >200, Deduct	*-3.17*	
32 17 23 13-0015	EA	72" High, Letter/Number, Alkyd Reflective Pavement Striping	35.30	
		For <10, Add	*4.24*	
		For >50 To 100, Deduct	*-2.12*	
		For >100 To 200, Deduct	*-2.82*	
		For >200, Deduct	*-5.65*	
32 17 23 13-0016	EA	96" High, Letter/Number, Alkyd Reflective Pavement Striping	47.21	
		For <10, Add	*5.69*	
		For >50 To 100, Deduct	*-2.84*	
		For >100 To 200, Deduct	*-3.79*	
		For >200, Deduct	*-7.58*	
32 17 23 13-0017	EA	120" High, Letter/Number, Alkyd Reflective Pavement Striping	67.73	
		For <10, Add	*7.05*	
		For >50 To 100, Deduct	*-3.52*	
		For >100 To 200, Deduct	*-4.70*	
		For >200, Deduct	*-9.40*	
32 17 23 13-0018	SF	Letter/Number, Painted Reflective Pavement Marking	4.93	
32 17 23 13-0019	SF	Symbols, Painted Reflective Pavement Marking Note: Handicap, railroad, diamond, arrows, etc.	5.89	

32 17 23 13-0020 Pavement Marking (CALTRAN) *(32 17 23 13-0001)*

Note: Per LF of detail.

32 17 23 13-0021	LF	CALTRAN Detail 1 Centerline, Painted Reflective Pavement Striping	0.19	
		For Up To 1 Mile, Add	*0.04*	
		For >5 Miles, Deduct	*-0.03*	
32 17 23 13-0022	LF	CALTRAN Detail 2 Centerline, Painted Reflective Pavement Striping	0.24	
		For Up To 1 Mile, Add	*0.05*	
		For >5 Miles, Deduct	*-0.04*	
32 17 23 13-0023	LF	CALTRAN Detail 4 Centerline	0.45	
		For Up To 1 Mile, Add	*0.09*	
		For >5 Miles, Deduct	*-0.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0024	LF	CALTRAN Detail 5 Centerline, Painted Reflective Pavement Striping	0.18	
		For Up To 1 Mile, Add	*0.04*	
		For >5 Miles, Deduct	*-0.03*	
32 17 23 13-0025	LF	CALTRAN Detail 6 Centerline, Painted Reflective Pavement Striping	0.25	
		For Up To 1 Mile, Add	*0.05*	
		For >5 Miles, Deduct	*-0.04*	
32 17 23 13-0026	LF	CALTRAN Detail 7 Centerline	0.32	
		For Up To 1 Mile, Add	*0.06*	
		For >5 Miles, Deduct	*-0.05*	
32 17 23 13-0027	LF	CALTRAN Detail 8 Lanelines, Painted Reflective Pavement Striping	0.19	
		For Up To 1 Mile, Add	*0.04*	
		For >5 Miles, Deduct	*-0.03*	
32 17 23 13-0028	LF	CALTRAN Detail 9 Lanelines, Painted Reflective Pavement Striping	0.24	
		For Up To 1 Mile, Add	*0.05*	
		For >5 Miles, Deduct	*-0.04*	
32 17 23 13-0029	LF	CALTRAN Detail 10 Lanelines	0.45	
		For Up To 1 Mile, Add	*0.09*	
		For >5 Miles, Deduct	*-0.07*	
32 17 23 13-0030	LF	CALTRAN Detail 11 Lanelines, Painted Reflective Pavement Striping	0.18	
		For Up To 1 Mile, Add	*0.04*	
		For >5 Miles, Deduct	*-0.03*	
32 17 23 13-0031	LF	CALTRAN Detail 12 Lanelines, Painted Reflective Pavement Striping	0.24	
		For Up To 1 Mile, Add	*0.05*	
		For >5 Miles, Deduct	*-0.04*	
32 17 23 13-0032	LF	CALTRAN Detail 13 Lanelines	0.32	
		For Up To 1 Mile, Add	*0.06*	
		For >5 Miles, Deduct	*-0.05*	
32 17 23 13-0033	LF	CALTRAN Detail 14 Lanelines	0.32	
		For Up To 1 Mile, Add	*0.06*	
		For >5 Miles, Deduct	*-0.05*	
32 17 23 13-0034	LF	CALTRAN Detail 14A Lanelines, Painted Reflective Pavement Striping	0.24	
		For Up To 1 Mile, Add	*0.05*	
		For >5 Miles, Deduct	*-0.04*	
32 17 23 13-0035	LF	CALTRAN Detail 15 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	0.24	
		For Up To 1 Mile, Add	*0.05*	
		For >5 Miles, Deduct	*-0.04*	
		For Broken Line On One Side, Deduct	*-0.03*	
		For Double Broken Line, Deduct	*-0.05*	
32 17 23 13-0036	LF	CALTRAN Detail 16 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	0.46	
		For Up To 1 Mile, Add	*0.09*	
		For >5 Miles, Deduct	*-0.07*	
32 17 23 13-0037	LF	CALTRAN Detail 17 No Passing Zones-One Direction Lanelines	1.27	
		For Up To 1 Mile, Add	*0.25*	
		For >5 Miles, Deduct	*-0.19*	
32 17 23 13-0038	LF	CALTRAN Detail 18 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	0.24	
		For Up To 1 Mile, Add	*0.05*	
		For >5 Miles, Deduct	*-0.04*	
		For Broken Line On One Side, Deduct	*-0.03*	
		For Double Broken Line, Deduct	*-0.05*	
32 17 23 13-0039	LF	CALTRAN Detail 19 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	0.40	
		For Up To 1 Mile, Add	*0.08*	
		For >5 Miles, Deduct	*-0.06*	
32 17 23 13-0040	LF	CALTRAN Detail 20 No Passing Zones-One Direction Lanelines	1.09	
		For Up To 1 Mile, Add	*0.22*	
		For >5 Miles, Deduct	*-0.16*	
32 17 23 13-0041	LF	CALTRAN Detail 21 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping	0.27	
		For Up To 1 Mile, Add	*0.05*	
		For >5 Miles, Deduct	*-0.04*	
		For Broken Line On One Side, Deduct	*-0.04*	
		For Double Broken Line, Deduct	*-0.08*	
32 17 23 13-0042	LF	CALTRAN Detail 22 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping	0.50	
		For Up To 1 Mile, Add	*0.10*	
		For >5 Miles, Deduct	*-0.08*	
32 17 23 13-0043	LF	CALTRAN Detail 23 No Passing Zones-Two Direction Lanelines	1.52	
		For Up To 1 Mile, Add	*0.30*	
		For >5 Miles, Deduct	*-0.23*	
32 17 23 13-0044	LF	CALTRAN Detail 24 Left Edgelines, Painted Reflective Pavement Striping	0.22	
		For Up To 1 Mile, Add	*0.04*	
		For >5 Miles, Deduct	*-0.03*	
32 17 23 13-0045	LF	CALTRAN Detail 25 Left Edgelines, Painted Reflective Pavement Striping	0.28	
		For Up To 1 Mile, Add	*0.06*	
		For >5 Miles, Deduct	*-0.04*	
32 17 23 13-0046	LF	CALTRAN Detail 25A Left Edgelines, Painted Reflective Pavement Striping	0.33	
		For Up To 1 Mile, Add	*0.07*	
		For >5 Miles, Deduct	*-0.05*	
32 17 23 13-0047	LF	CALTRAN Detail 26 Left Edgelines	0.06	
		For Up To 1 Mile, Add	*0.01*	
		For >5 Miles, Deduct	*-0.01*	
32 17 23 13-0048	LF	CALTRAN Detail 27 Left Edgelines, Painted Reflective Pavement Striping	0.33	
		For Up To 1 Mile, Add	*0.07*	
		For >5 Miles, Deduct	*-0.05*	
32 17 23 13-0049	LF	CALTRAN Detail 27B Right Edgelines, Painted Reflective Pavement Striping	0.22	
		For Up To 1 Mile, Add	*0.04*	
		For >5 Miles, Deduct	*-0.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0050	LF	CALTRAN Detail 27C Right Edgeline Extension Through Intersections, Painted Reflective Pavement Striping	0.18	
		For Up To 1 Mile, Add	*0.04*	
		For >5 Miles, Deduct	*-0.03*	
32 17 23 13-0051	LF	CALTRAN Detail 28 Median Islands, Painted Reflective Pavement Striping	0.55	
		For Up To 1 Mile, Add	*0.11*	
		For >5 Miles, Deduct	*-0.08*	
		For Broken Line On One Side, Deduct	*-0.08*	
		For Double Broken Line, Deduct	*-0.16*	
32 17 23 13-0052	LF	CALTRAN Detail 29 Median Islands, Painted Reflective Pavement Striping	0.77	
		For Up To 1 Mile, Add	*0.15*	
		For >5 Miles, Deduct	*-0.12*	
32 17 23 13-0053	LF	CALTRAN Detail 30 Median Islands	3.06	
		For Up To 1 Mile, Add	*0.61*	
		For >5 Miles, Deduct	*-0.46*	
32 17 23 13-0054	LF	CALTRAN Detail 31 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping	0.47	
		For Up To 1 Mile, Add	*0.09*	
		For >5 Miles, Deduct	*-0.07*	
		For Broken Line On One Side, Deduct	*-0.05*	
		For Double Broken Line, Deduct	*-0.10*	
32 17 23 13-0055	LF	CALTRAN Detail 32 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping	0.75	
		For Up To 1 Mile, Add	*0.15*	
		For >5 Miles, Deduct	*-0.11*	
32 17 23 13-0056	LF	CALTRAN Detail 33 Two-Way Left Turn Lanes	2.10	
		For Up To 1 Mile, Add	*0.42*	
		For >5 Miles, Deduct	*-0.32*	
32 17 23 13-0057	LF	CALTRAN Detail 34 Intersection Treatments, Painted Reflective Pavement Striping	0.40	
		For Up To 1 Mile, Add	*0.08*	
		For >5 Miles, Deduct	*-0.06*	
32 17 23 13-0058	LF	CALTRAN Detail 34A Intersection Treatments, Painted Reflective Pavement Striping	0.24	
		For Up To 1 Mile, Add	*0.05*	
		For >5 Miles, Deduct	*-0.04*	
32 17 23 13-0059	LF	CALTRAN Detail 35 Intersection Treatments, Painted Reflective Pavement Striping	0.46	
		For Up To 1 Mile, Add	*0.09*	
		For >5 Miles, Deduct	*-0.07*	
32 17 23 13-0060	LF	CALTRAN Detail 35A Intersection Treatments, Painted Reflective Pavement Striping	0.24	
		For Up To 1 Mile, Add	*0.05*	
		For >5 Miles, Deduct	*-0.04*	
32 17 23 13-0061	LF	CALTRAN Detail 36 Exit Ramp Neutral Area (Gore) Treatment, Painted Reflective Pavement Striping	0.92	
		For Up To 1 Mile, Add	*0.18*	
		For >5 Miles, Deduct	*-0.14*	
32 17 23 13-0062	LF	CALTRAN Detail 36A Entrance Ramp Neutral Area (Merge) Treatment, Painted Reflective Pavement Striping	0.63	
		For Up To 1 Mile, Add	*0.13*	
		For >5 Miles, Deduct	*-0.09*	
32 17 23 13-0063	LF	CALTRAN Detail 36B Entrance Ramp Neutral Area (Acceleration Lane) Treatment, Painted Reflective Pavement Striping	0.67	
		For Up To 1 Mile, Add	*0.13*	
		For >5 Miles, Deduct	*-0.10*	
32 17 23 13-0064	LF	CALTRAN Detail 37 Lane Drop At Exit Ramps, Painted Reflective Pavement Striping	0.56	
		For Up To 1 Mile, Add	*0.11*	
		For >5 Miles, Deduct	*-0.08*	
32 17 23 13-0065	LF	CALTRAN Detail 37A Lane Drop At Exit Ramps	1.02	
		For Up To 1 Mile, Add	*0.20*	
		For >5 Miles, Deduct	*-0.15*	
32 17 23 13-0066	LF	CALTRAN Detail 37B Lane Drop At Intersections, Painted Reflective Pavement Striping	0.56	
		For Up To 1 Mile, Add	*0.11*	
		For >5 Miles, Deduct	*-0.08*	
32 17 23 13-0067	LF	CALTRAN Detail 37C Lane Drop At Intersections	1.02	
		For Up To 1 Mile, Add	*0.20*	
		For >5 Miles, Deduct	*-0.15*	
32 17 23 13-0068	LF	CALTRAN Detail 38 Channelizing Line, Painted Reflective Pavement Striping	0.56	
		For Up To 1 Mile, Add	*0.11*	
		For >5 Miles, Deduct	*-0.08*	
32 17 23 13-0069	LF	CALTRAN Detail 38A Channelizing Line, Painted Reflective Pavement Striping	0.45	
		For Up To 1 Mile, Add	*0.09*	
		For >5 Miles, Deduct	*-0.07*	
32 17 23 13-0070	LF	CALTRAN Detail 38B Channelizing Line, Painted Reflective Pavement Striping	0.67	
		For Up To 1 Mile, Add	*0.13*	
		For >5 Miles, Deduct	*-0.10*	
32 17 23 13-0071	LF	CALTRAN Detail 38C Channelizing Line	1.52	
		For Up To 1 Mile, Add	*0.30*	
		For >5 Miles, Deduct	*-0.23*	
32 17 23 13-0072	LF	CALTRAN Detail 39 Bike Lane Line, Painted Reflective Pavement Striping	0.27	
		For Up To 1 Mile, Add	*0.05*	
		For >5 Miles, Deduct	*-0.04*	
32 17 23 13-0073	LF	CALTRAN Detail 39A Intersection Line Bike Lane, Painted Reflective Pavement Striping	0.22	
		For Up To 1 Mile, Add	*0.04*	
		For >5 Miles, Deduct	*-0.03*	
32 17 23 13-0074	LF	CALTRAN Detail 40 Lane Line Extensions Through Intersections, Painted Reflective Pavement Striping	0.18	
		For Up To 1 Mile, Add	*0.04*	
		For >5 Miles, Deduct	*-0.03*	
32 17 23 13-0075	LF	CALTRAN Detail 40A Lane Line Extensions Through Intersections	0.78	
		For Up To 1 Mile, Add	*0.16*	
		For >5 Miles, Deduct	*-0.12*	
32 17 23 13-0076	LF	CALTRAN Detail 41 Center Line Extensions Through Intersections, Painted Reflective Pavement Striping	0.18	
		For Up To 1 Mile, Add	*0.04*	
		For >5 Miles, Deduct	*-0.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0077	LF	CALTRAN Detail 41A Center Line Extensions Through Intersections	0.78	
		For Up To 1 Mile, Add	*0.16*	
		For >5 Miles, Deduct	*-0.12*	
32 17 23 13-0078	EA	CALTRAN 10' Arrow, Type I, Painted Reflective Pavement Marking	78.40	
		For <10, Add	*10.31*	
		For >50 To 100, Deduct	*-5.15*	
		For >100 To 200, Deduct	*-6.87*	
		For >200, Deduct	*-13.74*	
32 17 23 13-0079	EA	CALTRAN 18' Arrow, Type I, Painted Reflective Pavement Marking	137.55	
		For <10, Add	*18.04*	
		For >50 To 100, Deduct	*-9.02*	
		For >100 To 200, Deduct	*-12.02*	
		For >200, Deduct	*-24.05*	
32 17 23 13-0080	EA	CALTRAN 24' Arrow, Type I, Painted Reflective Pavement Marking	172.62	
		For <10, Add	*22.67*	
		For >50 To 100, Deduct	*-11.34*	
		For >100 To 200, Deduct	*-15.12*	
		For >200, Deduct	*-30.23*	
32 17 23 13-0081	EA	CALTRAN 24' Arrow With Single (L or R) Turn Arrow, Type II, Painted Reflective Pavement Marking	251.03	
		For <10, Add	*32.98*	
		For >50 To 100, Deduct	*-16.49*	
		For >100 To 200, Deduct	*-21.99*	
		For >200, Deduct	*-43.97*	
32 17 23 13-0082	EA	CALTRAN 24' Arrow With Both (L and R) Turn Arrows, Type II, Painted Reflective Pavement Marking	329.43	
		For <10, Add	*43.29*	
		For >50 To 100, Deduct	*-21.64*	
		For >100 To 200, Deduct	*-28.86*	
		For >200, Deduct	*-57.71*	
32 17 23 13-0083	EA	CALTRAN 24' Arrow Single (L or R) Turn Arrow, Type III, Painted Reflective Pavement Marking	231.77	
		For <10, Add	*30.40*	
		For >50 To 100, Deduct	*-15.20*	
		For >100 To 200, Deduct	*-20.27*	
		For >200, Deduct	*-40.54*	
32 17 23 13-0084	EA	CALTRAN 24' Arrow Both (L and R) Turn Arrows, Type III, Painted Reflective Pavement Marking	404.40	
		For <10, Add	*53.08*	
		For >50 To 100, Deduct	*-26.54*	
		For >100 To 200, Deduct	*-35.38*	
		For >200, Deduct	*-70.77*	
32 17 23 13-0085	EA	CALTRAN 8' Turn Arrow (L or R), Type IV, Painted Reflective Pavement Marking	82.53	
		For <10, Add	*10.82*	
		For >50 To 100, Deduct	*-5.41*	
		For >100 To 200, Deduct	*-7.21*	
		For >200, Deduct	*-14.43*	
32 17 23 13-0086	EA	CALTRAN 24' Arrow, Type V, Painted Reflective Pavement Marking	180.88	
		For <10, Add	*23.70*	
		For >50 To 100, Deduct	*-11.85*	
		For >100 To 200, Deduct	*-15.80*	
		For >200, Deduct	*-31.61*	
32 17 23 13-0087	EA	CALTRAN 18' Arrow, Type VI, Painted Reflective Pavement Marking	231.77	
		For <10, Add	*30.40*	
		For >50 To 100, Deduct	*-15.20*	
		For >100 To 200, Deduct	*-20.27*	
		For >200, Deduct	*-40.54*	
32 17 23 13-0088	EA	CALTRAN 13' Arrow With Single (L or R) Turn Arrow, Type VII, Painted Reflective Pavement Marking	149.35	
		For <10, Add	*19.58*	
		For >50 To 100, Deduct	*-9.79*	
		For >100 To 200, Deduct	*-13.05*	
		For >200, Deduct	*-26.11*	
32 17 23 13-0089	EA	CALTRAN 15' Arrow With Both (L and R) Turn Arrows, Type VIII, Painted Reflective Pavement Marking	196.70	
		For <10, Add	*25.77*	
		For >50 To 100, Deduct	*-12.88*	
		For >100 To 200, Deduct	*-17.18*	
		For >200, Deduct	*-34.35*	
32 17 23 13-0090	EA	CALTRAN 5' Arrow, Bike Lane, Painted Reflective Pavement Marking	39.21	
		For <10, Add	*5.15*	
		For >50 To 100, Deduct	*-2.58*	
		For >100 To 200, Deduct	*-3.44*	
		For >200, Deduct	*-6.87*	
32 17 23 13-0091	EA	CALTRAN Railroad Crossing Symbol, Painted Reflective Pavement Marking Note: Excludes variable width transverse lines.	374.84	
		For <10, Add	*48.95*	
		For >50 To 100, Deduct	*-24.48*	
		For >100 To 200, Deduct	*-32.64*	
		For >200, Deduct	*-65.27*	
32 17 23 13-0092	SF	CALTRAN Solid Area, Painted Reflective Pavement Marking	4.88	
32 17 23 13-0093	EA	CALTRAN Bike Lane Symbol Without Person, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 4' width x 8' height.	36.55	
		For <10, Add	*3.71*	
		For >50 To 100, Deduct	*-1.86*	
		For >100 To 200, Deduct	*-2.47*	
		For >200, Deduct	*-4.95*	
32 17 23 13-0094	EA	CALTRAN Bike Lane Symbol With Person, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 4' width x 8' height.	38.72	
		For <10, Add	*3.92*	
		For >50 To 100, Deduct	*-1.96*	
		For >100 To 200, Deduct	*-2.61*	
		For >200, Deduct	*-5.22*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0095	EA	CALTRAN Diamond Symbol, Painted Reflective Pavement Marking	62.58	
		For <10, Add	*8.24*	
		For >50 To 100, Deduct	*-4.12*	
		For >100 To 200, Deduct	*-5.50*	
		For >200, Deduct	*-10.99*	
32 17 23 13-0096	EA	CALTRAN International Symbol Of Accessibility (ISA) Marking, Painted Reflective Pavement Marking	127.23	
		For <10, Add	*16.70*	
		For >50 To 100, Deduct	*-8.35*	
		For >100 To 200, Deduct	*-11.13*	
		For >200, Deduct	*-22.26*	
32 17 23 13-0097	EA	CALTRAN Bike Loop Detector Symbol, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 4' width x 8' height.	27.44	
		For <10, Add	*3.92*	
		For >50 To 100, Deduct	*-1.96*	
		For >100 To 200, Deduct	*-2.61*	
		For >200, Deduct	*-5.22*	
32 17 23 13-0098	SF	CALTRAN Letter/Number, Painted Reflective Pavement Marking	4.95	
32 17 23 13-0099	SF	CALTRAN Symbols, Painted Reflective Pavement Marking Note: Handicap, railroad, diamond, arrows, etc.	5.50	

32 17 23 13-0100 Epoxy Reflective Pavement Marking *(32 17 23 13-0001)*

Note: 15 mil thickness.

32 17 23 13-0101	LF	Single 4" Wide Solid Line, Epoxy Reflective Pavement Striping	0.40	
		For 20 Mil Thickness, Add	*0.12*	
		For Up To 1 Mile, Add	*0.08*	
		For >5 Miles, Deduct	*-0.06*	
		For Broken Line, Deduct	*-0.17*	
32 17 23 13-0102	LF	Single 6" Wide Solid Line, Epoxy Reflective Pavement Striping	0.54	
		For 20 Mil Thickness, Add	*0.16*	
		For Up To 1 Mile, Add	*0.11*	
		For >5 Miles, Deduct	*-0.08*	
		For Broken Line, Deduct	*-0.26*	
32 17 23 13-0103	LF	Single 8" Wide Solid Line, Epoxy Reflective Pavement Striping	0.67	
		For 20 Mil Thickness, Add	*0.20*	
		For Up To 1 Mile, Add	*0.13*	
		For >5 Miles, Deduct	*-0.10*	
		For Broken Line, Deduct	*-0.31*	
32 17 23 13-0104	LF	Single 12" Wide Solid Line, Epoxy Reflective Pavement Striping	1.01	
		For 20 Mil Thickness, Add	*0.30*	
		For Up To 1 Mile, Add	*0.20*	
		For >5 Miles, Deduct	*-0.15*	
		For Broken Line, Deduct	*-0.50*	
32 17 23 13-0105	LF	Double 4" Wide Solid Lines, Epoxy Reflective Pavement Striping	0.62	
		For 20 Mil Thickness, Add	*0.19*	
		For Up To 1 Mile, Add	*0.12*	
		For >5 Miles, Deduct	*-0.09*	
		For Broken Line On One Side, Deduct	*-0.17*	
		For Double Broken Line, Deduct	*-0.34*	
32 17 23 13-0106	LF	Double 6" Wide Solid Lines, Epoxy Reflective Pavement Striping	0.87	
		For 20 Mil Thickness, Add	*0.27*	
		For Up To 1 Mile, Add	*0.17*	
		For >5 Miles, Deduct	*-0.13*	
		For Broken Line On One Side, Deduct	*-0.25*	
		For Double Broken Line, Deduct	*-0.50*	
32 17 23 13-0107	SF	Solid Area, Epoxy Reflective Pavement Marking Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.	5.33	
		For 20 Mil Thickness, Add	*0.63*	
32 17 23 13-0108	EA	6" High, Letter/Number, Epoxy Reflective Pavement Marking	3.30	
		For 20 Mil Thickness, Add	*0.32*	
		For <10, Add	*0.42*	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 200, Deduct	*-0.28*	
		For >200, Deduct	*-0.56*	
32 17 23 13-0109	EA	12" High, Letter/Number, Epoxy Reflective Pavement Marking	6.01	
		For 20 Mil Thickness, Add	*0.82*	
		For <10, Add	*0.64*	
		For >50 To 100, Deduct	*-0.32*	
		For >100 To 200, Deduct	*-0.43*	
		For >200, Deduct	*-0.85*	
32 17 23 13-0110	EA	24" High, Letter/Number, Epoxy Reflective Pavement Marking	10.14	
		For 20 Mil Thickness, Add	*1.41*	
		For <10, Add	*1.06*	
		For >50 To 100, Deduct	*-0.53*	
		For >100 To 200, Deduct	*-0.71*	
		For >200, Deduct	*-1.42*	
32 17 23 13-0111	EA	36" High, Letter/Number, Epoxy Reflective Pavement Marking	19.54	
		For 20 Mil Thickness, Add	*2.58*	
		For <10, Add	*2.12*	
		For >50 To 100, Deduct	*-1.06*	
		For >100 To 200, Deduct	*-1.42*	
		For >200, Deduct	*-2.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0112	EA	48" High, Letter/Number, Epoxy Reflective Pavement Marking	22.86	
		For 20 Mil Thickness, Add	*3.21*	
		For <10, Add	*2.38*	
		For >50 To 100, Deduct	*-1.19*	
		For >100 To 200, Deduct	*-1.59*	
		For >200, Deduct	*-3.17*	
32 17 23 13-0113	EA	72" High, Letter/Number, Epoxy Reflective Pavement Marking	41.01	
		For 20 Mil Thickness, Add	*5.83*	
		For <10, Add	*4.24*	
		For >50 To 100, Deduct	*-2.12*	
		For >100 To 200, Deduct	*-2.82*	
		For >200, Deduct	*-5.65*	
32 17 23 13-0114	EA	96" High, Letter/Number, Epoxy Reflective Pavement Marking	54.73	
		For 20 Mil Thickness, Add	*7.71*	
		For <10, Add	*5.69*	
		For >50 To 100, Deduct	*-2.84*	
		For >100 To 200, Deduct	*-3.79*	
		For >200, Deduct	*-7.58*	
32 17 23 13-0115	EA	120" High, Letter/Number, Epoxy Reflective Pavement Marking	84.50	
		For 20 Mil Thickness, Add	*15.11*	
		For <10, Add	*7.05*	
		For >50 To 100, Deduct	*-3.52*	
		For >100 To 200, Deduct	*-4.70*	
		For >200, Deduct	*-9.40*	
32 17 23 13-0116	SF	Letter/Number, Epoxy Reflective Pavement Marking	5.47	
		For 20 Mil Thickness, Add	*0.64*	
32 17 23 13-0117	SF	Symbols, Epoxy Reflective Pavement Marking	6.91	
		Note: Handicap, railroad, diamond, arrows, etc.		
		For 20 Mil Thickness, Add	*0.72*	

32 17 23 13-0118 Painted Pavement Striping, Letters And Symbols For Parking Areas *(32 17 23 13)*

32 17 23 13-0119 Painted Pavement Marking For Parking Areas *(32 17 23 13-0118)*

32 17 23 13-0120	LF	Single 4" Wide Solid Line, Painted Pavement Striping for Parking Areas	0.84	
32 17 23 13-0121	LF	Single 6" Wide Solid Line, Painted Pavement Striping for Parking Areas	0.92	
32 17 23 13-0122	LF	Single 8" Wide Solid Line, Painted Pavement Striping For Parking Areas	0.97	
32 17 23 13-0123	LF	Single 12" Wide Solid Line, Painted Pavement Striping For Parking Areas	1.08	
32 17 23 13-0124	SF	Solid Area, Painted Pavement Marking For Parking Areas	4.27	
		Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
32 17 23 13-0125	EA	6" High, Letter/Number, Painted Pavement Marking For Parking Areas	3.00	
		For Up To 10, Add	*0.41*	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 200, Deduct	*-0.27*	
		For >200, Deduct	*-0.55*	
32 17 23 13-0126	EA	12" High, Letter/Number, Painted Pavement Marking For Parking Areas	5.06	
		For Up To 10, Add	*0.62*	
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 200, Deduct	*-0.41*	
		For >200, Deduct	*-0.82*	
32 17 23 13-0127	EA	24" High, Letter/Number, Painted Pavement Marking For Parking Areas	8.52	
		For Up To 10, Add	*1.03*	
		For >50 To 100, Deduct	*-0.52*	
		For >100 To 200, Deduct	*-0.69*	
		For >200, Deduct	*-1.38*	
32 17 23 13-0128	EA	36" High, Letter/Number, Painted Pavement Marking For Parking Areas	15.93	
		For Up To 10, Add	*1.96*	
		For >50 To 100, Deduct	*-0.98*	
		For >100 To 200, Deduct	*-1.31*	
		For >200, Deduct	*-2.61*	
32 17 23 13-0129	EA	42" High, Letter/Number, Painted Pavement Marking For Parking Areas	21.17	
		For Up To 10, Add	*2.68*	
		For >50 To 100, Deduct	*-1.34*	
		For >100 To 200, Deduct	*-1.79*	
		For >200, Deduct	*-3.57*	
32 17 23 13-0130	EA	48" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas	25.72	
		For Up To 10, Add	*3.30*	
		For >50 To 100, Deduct	*-1.65*	
		For >100 To 200, Deduct	*-2.20*	
		For >200, Deduct	*-4.40*	
32 17 23 13-0131	EA	72" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas	34.32	
		For Up To 10, Add	*4.12*	
		For >50 To 100, Deduct	*-2.06*	
		For >100 To 200, Deduct	*-2.75*	
		For >200, Deduct	*-5.50*	
32 17 23 13-0132	EA	Through Lane Arrow, Painted Pavement Marking For Parking Areas	60.59	
		Note: Approximate overall dimensions: 3-1/2' width x 10' height.		
32 17 23 13-0133	EA	Turn Lane Arrow, Painted Pavement Marking For Parking Areas	69.01	
		Note: Approximate overall dimensions: 6' width x 8' height.		
32 17 23 13-0134	EA	Dual Turn Lane Arrow, Painted Pavement Marking For Parking Areas	97.54	
		Note: Approximate overall dimensions: 11' width x 8' height.		
32 17 23 13-0135	EA	Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas	99.48	
		Note: Approximate overall dimensions: 7' width x 13' height.		
32 17 23 13-0136	EA	Dual Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas	129.36	
		Note: Approximate overall dimensions: 9' width x 15' height.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0137	EA	Handicap Symbol For Standard Parking Stalls, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping.	24.97	
		For Blue Background With White Symbol, Add	*18.18*	
		For Blue Background With White Symbol And Border, Add	*22.72*	
32 17 23 13-0138	EA	Handicap Symbol For Van Parking Stalls, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 4-1/3' width x 5' height. White or blue symbol. Excludes striping.	36.23	
		For Blue Background With White Symbol, Add	*36.83*	
		For Blue Background With White Symbol And Border, Add	*46.04*	

32 17 23 13-0139 Painted Curbs *(32 17 23 13)*

32 17 23 13-0140	LF	Reflective Painted Curb	1.85	
32 17 23 13-0141	LF	Reflective Painted Curb And Gutter	3.36	
32 17 23 13-0142	LF	Painted Curb, Any Color	1.49	
32 17 23 13-0143	LF	Painted Curb And Gutter, Any Color	2.96	

32 17 23 13-0144 Markings For Outdoor Play Areas, Courts *(32 17 23 13)*

32 17 23 13-0145	LF	2" Wide Marking For Outdoor Play Areas	0.71	
32 17 23 13-0146	LF	3" Wide Marking For Outdoor Play Areas	0.80	
32 17 23 13-0147	LF	4" Wide Marking For Outdoor Play Areas	0.91	
32 17 23 13-0148	LF	6" Wide Marking For Outdoor Play Areas	1.06	
32 17 23 13-0149	EA	Paint Playground Game Lines On Asphalt Or Concrete (Hop Scotch, 4 Square, Numbers Games, Etcetera)	232.83	

32 17 23 19 Pedestrian Traffic Coating *(32 17 23)*

32 17 23 19-0001 Pedestrian Traffic Coating *(32 17 23 19)*

Note: Gaco Western

32 17 23 19-0002	SF	GACOCRETE A-17, Acrylic Elastomer Coating	2.23	
32 17 23 19-0003	SF	Silicone Enhanced A-30, Acrylic Elastomer Coating	2.00	
		For >2,000, Deduct	*-0.16*	
32 17 23 19-0004	SF	Quick Set A-31, Acrylic Elastomer Coating	1.91	
32 17 23 19-0005	SF	A-32, Acrylic Elastomer Coating	2.06	
		For >2,000, Deduct	*-0.18*	
32 17 23 19-0006	SF	Liquid Seam Tape A-3611, Acrylic Elastomer Coating	2.12	
		For >2,000, Deduct	*-0.20*	
32 17 23 19-0007	SF	A-38, Acrylic Elastomer Coating	2.09	
32 17 23 19-0008	SF	Acrylic Primer A-4121	1.66	
32 17 23 19-0009	SF	Two Component Epoxy Emulsion Primer Filler E-5320	2.53	
32 17 23 19-0010	SF	Two Component Epoxy Rust Inhibiting Primer E-5388	2.79	
32 17 23 19-0011	SF	Two Component 100% Solids Primer E-5481	2.96	
32 17 23 19-0012	SF	Hypalon Roof Coating H-25	2.55	
32 17 23 19-0013	SF	Neoprene Adhesive N-1207	2.14	
32 17 23 19-0014	SF	GACOSIL S-10 Silicone	2.29	
		For >2,000, Deduct	*-0.26*	
32 17 23 19-0015	SF	GACOSIL S-20 Silicone	2.33	
		For >2,000, Deduct	*-0.27*	
32 17 23 19-0016	SF	Urethane Primer/Sealer U-5677	1.73	
32 17 23 19-0017	SF	Single Component Polyurethane Coating, Ureshield Aluminum U-6006	2.17	
		For >2,000, Deduct	*-0.22*	
32 17 23 19-0018	SF	Two Component Polyurethane Coating U-62	3.17	
		For >2,000, Deduct	*-0.38*	
32 17 23 19-0019	SF	Two Component Polyurethane Coating, Liquid Applied Polyurethane Rubber U-64	2.90	
32 17 23 19-0020	SF	Two Component Polyurethane Coating U-66	3.14	
32 17 23 19-0021	SF	Two Component Polyurethane Coating U-8730	2.99	
32 17 23 19-0022	SF	Two Component Polyurethane Coating U-8782	2.96	
32 17 23 19-0023	SF	Two Component Polyurethane Aliphatic Coating UA-60	3.44	
32 17 23 19-0024	SF	Two Component Polyurethane Aliphatic Coating UA-7090	4.05	
32 17 23 19-0025	SF	Two Component Polyurethane Base Coating UB-64	2.87	
32 17 23 19-0026	SF	Two Component Polyurethane Base Coating UB-8380	2.84	
32 17 23 19-0027	SF	Etching Detergent D-09	1.75	
32 17 23 19-0028	LB	GacoShell Granules Additive To Coating	1.22	
32 17 23 19-0029	LB	Quartz Granules Additive To Coating	1.10	
32 17 23 19-0030	LF	4" Polyester Reinforcing Tape, 66-B	0.14	
32 17 23 19-0031	LF	6" Polyester Reinforcing Tape, 66-B	0.17	
32 17 23 19-0032	LF	4" Sontara Polyester Reinforcing Tape, 66-S	0.21	
32 17 23 19-0033	LF	6" Sontara Polyester Reinforcing Tape, 66-S	0.27	
32 17 23 19-0034	LF	2" Metal Roof Seam Sealing Tape, 66-MR	0.52	
32 17 23 19-0035	LF	3" Metal Roof Seam Sealing Tape, 66-MR	0.80	
32 17 23 19-0036	LF	4" Metal Roof Seam Sealing Tape, 66-MR	0.98	
32 17 23 19-0037	LF	6" Metal Roof Seam Sealing Tape, 66-MR	1.39	
32 17 23 19-0038	GAL	Polyurethane Coating Thinner T-5106	27.25	
32 17 23 19-0039	GAL	Compliant Thinner T-5110	56.78	
32 17 23 19-0040	GAL	Regular Thinner T-5112	15.90	
32 17 23 19-0041	GAL	Polyurethane Coating Thinner T-5116	20.44	
32 17 23 19-0042	GAL	Polyurethane Troweling Thinner T-5118	24.98	
32 17 23 19-0043	GAL	Compliant Thinner T-5125	27.25	
32 17 23 19-0044	GAL	Fast Polyurethane Coating Thinner T-5130	20.44	
32 17 23 19-0045	GAL	Silicone And U-62 Polyurethane Coating Thinner T-5135	20.44	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 23		**Raised Pavement Markings** *(32 17 23)*		
32 17 23 23-0001		Recessed (Plowable) Pavement Markers *(32 17 23 23)*		
32 17 23 23-0002	EA	One-Way Reflective, Recessed (Plowable) Pavement Marker With Center Rail	66.55	
32 17 23 23-0003	EA	Two-Way Reflective, Recessed (Plowable) Pavement Marker With Center Rail	67.50	
32 17 23 23-0004	EA	Remove And Replace Reflector For One-Way Reflective, Recessed (Plowable) Pavement Marker	16.95	
32 17 23 23-0005	EA	Remove And Replace Reflectors For Two-Way Reflective, Recessed (Plowable) Pavement Marker	21.24	
32 17 23 23-0006	EA	Recessed Retroreflective Pavement Marker, Type G or H	66.55	
32 17 23 23-0007	EA	Recessed Retroreflective Pavement Marker, Type C or D	67.50	
32 17 23 23-0008	EA	Remove Recessed (Plowable) Pavement Marker	2.30	
32 17 23 23-0009		Raised Pavement Markers (RPMs) *(32 17 23 23)*		
32 17 23 23-0010	EA	One-Way Reflective, Raised Pavement Marker (RPM)	2.67	2.07
		For >100, Deduct	*-0.27*	
32 17 23 23-0011	EA	Two-Way Reflective, Raised Pavement Marker (RPM)	2.67	2.07
		For >100, Deduct	*-0.27*	
32 17 23 23-0012	EA	Round Reflective, Raised Pavement Marker	3.14	2.07
		For >100, Deduct	*-0.31*	
32 17 23 23-0013	EA	Non-Reflective, Raised Pavement Marker (RPM)	3.38	2.07
		For >100, Deduct	*-0.34*	
32 17 23 33		**Plastic Pavement Markings** *(32 17 23)*		
32 17 23 33-0001		Thermoplastic Pavement Striping, Letters, Symbols And Markers For Roads *(32 17 23 33)* Note: Includes primers, adhesive and glass beads where required. For broken line modifier quantity use total lane length.		
32 17 23 33-0002		Thermoplastic Reflective Pavement Marking *(32 17 23 33-0001)* Note: 90 mil thickness.		
32 17 23 33-0003	LF	Single 4" Wide Solid Line, Thermoplastic Reflective Pavement Striping	0.85	
		For Up To 1 Mile, Add	*0.17*	
		For >5 Miles, Deduct	*-0.13*	
		For 60 mils Thick, Deduct	*-0.11*	
		For 125 mils Thick, Add	*0.14*	
		For Broken Line, Deduct	*-0.47*	
32 17 23 33-0004	LF	Single 6" Wide Solid Line, Thermoplastic Reflective Pavement Striping	1.22	
		For Up To 1 Mile, Add	*0.24*	
		For >5 Miles, Deduct	*-0.18*	
		For 60 mils Thick, Deduct	*-0.17*	
		For 125 mils Thick, Add	*0.21*	
		For Broken Line, Deduct	*-0.71*	
32 17 23 33-0005	LF	Single 8" Wide Solid Line, Thermoplastic Reflective Pavement Striping	1.60	
		For Up To 1 Mile, Add	*0.32*	
		For >5 Miles, Deduct	*-0.24*	
		For 60 mils Thick, Deduct	*-0.22*	
		For 125 mils Thick, Add	*0.28*	
		For Broken Line, Deduct	*-0.95*	
32 17 23 33-0006	LF	Single 12" Wide Solid Line, Thermoplastic Reflective Pavement Striping	2.34	
		For Up To 1 Mile, Add	*0.47*	
		For >5 Miles, Deduct	*-0.35*	
		For 60 mils Thick, Deduct	*-0.33*	
		For 125 mils Thick, Add	*0.43*	
		For Broken Line, Deduct	*-1.43*	
32 17 23 33-0007	LF	Double 4" Wide Solid Lines, Thermoplastic Reflective Pavement Striping	1.60	
		For Up To 1 Mile, Add	*0.32*	
		For >5 Miles, Deduct	*-0.24*	
		For 60 mils Thick, Deduct	*-0.22*	
		For 125 mils Thick, Add	*0.28*	
		For Broken Line On One Side, Deduct	*-0.47*	
		For Double Broken Line, Deduct	*-0.95*	
32 17 23 33-0008	LF	Double 6" Wide Solid Lines, Thermoplastic Reflective Pavement Striping	2.34	
		For Up To 1 Mile, Add	*0.47*	
		For >5 Miles, Deduct	*-0.35*	
		For 60 mils Thick, Deduct	*-0.33*	
		For 125 mils Thick, Add	*0.43*	
		For Broken Line On One Side, Deduct	*-0.71*	
		For Double Broken Line, Deduct	*-1.43*	
32 17 23 33-0009	SF	Solid Area, Thermoplastic Reflective Pavement Marking Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.	6.01	
		For 60 mils Thick, Deduct	*-0.33*	
		For 125 mils Thick, Add	*0.43*	
32 17 23 33-0010	EA	6" High, Letter/Number, Thermoplastic Reflective Pavement Marking	4.06	
		For Up To 10, Add	*0.46*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 200, Deduct	*-0.31*	
		For >200, Deduct	*-0.62*	
		For 60 mils Thick, Deduct	*-0.17*	
		For 125 mils Thick, Add	*0.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0011	EA	12" High, Letter/Number, Thermoplastic Reflective Pavement Marking	8.17	
		For Up To 10, Add	*0.70*	
		For >50 To 100, Deduct	*-0.35*	
		For >100 To 200, Deduct	*-0.47*	
		For >200, Deduct	*-0.93*	
		For 60 mils Thick, Deduct	*-0.61*	
		For 125 mils Thick, Add	*0.79*	
32 17 23 33-0012	EA	24" High, Letter/Number, Thermoplastic Reflective Pavement Marking	13.89	
		For Up To 10, Add	*1.17*	
		For >50 To 100, Deduct	*-0.58*	
		For >100 To 200, Deduct	*-0.78*	
		For >200, Deduct	*-1.55*	
		For 60 mils Thick, Deduct	*-1.07*	
		For 125 mils Thick, Add	*1.38*	
32 17 23 33-0013	EA	36" High, Letter/Number, Thermoplastic Reflective Pavement Marking	26.36	
		For Up To 10, Add	*2.34*	
		For >50 To 100, Deduct	*-1.17*	
		For >100 To 200, Deduct	*-1.56*	
		For >200, Deduct	*-3.12*	
		For 60 mils Thick, Deduct	*-1.88*	
		For 125 mils Thick, Add	*2.42*	
32 17 23 33-0014	EA	48" High, Letter/Number, Thermoplastic Reflective Pavement Marking	31.45	
		For Up To 10, Add	*2.62*	
		For >50 To 100, Deduct	*-1.31*	
		For >100 To 200, Deduct	*-1.75*	
		For >200, Deduct	*-3.49*	
		For 60 mils Thick, Deduct	*-2.45*	
		For 125 mils Thick, Add	*3.15*	
32 17 23 33-0015	EA	72" High, Letter/Number, Thermoplastic Reflective Pavement Marking	56.63	
		For Up To 10, Add	*4.66*	
		For >50 To 100, Deduct	*-2.33*	
		For >100 To 200, Deduct	*-3.11*	
		For >200, Deduct	*-6.21*	
		For 60 mils Thick, Deduct	*-4.47*	
		For 125 mils Thick, Add	*5.75*	
32 17 23 33-0016	EA	96" High, Letter/Number, Thermoplastic Reflective Pavement Marking	75.35	
		For Up To 10, Add	*6.26*	
		For >50 To 100, Deduct	*-3.13*	
		For >100 To 200, Deduct	*-4.17*	
		For >200, Deduct	*-8.34*	
		For 60 mils Thick, Deduct	*-5.89*	
		For 125 mils Thick, Add	*7.57*	
32 17 23 33-0017	EA	120" High, Letter/Number, Thermoplastic Reflective Pavement Marking	126.75	
		For Up To 10, Add	*7.75*	
		For >50 To 100, Deduct	*-3.87*	
		For >100 To 200, Deduct	*-5.17*	
		For >200, Deduct	*-10.33*	
		For 60 mils Thick, Deduct	*-13.14*	
		For 125 mils Thick, Add	*16.90*	
32 17 23 33-0018	SF	Letter/Number, Thermoplastic Reflective Pavement Marking	7.09	
		For 60 mils Thick, Deduct	*-0.42*	
		For 125 mils Thick, Add	*0.54*	
32 17 23 33-0019	SY	Cross Hatch, Thermoplastic Reflective Pavement Marking	47.89	
		For 60 mils Thick, Deduct	*-2.97*	
		For 125 mils Thick, Add	*3.82*	
32 17 23 33-0020	EA	Handicap Symbol, Thermoplastic Reflective Pavement Marking	186.88	
		For 60 mils Thick, Deduct	*-9.75*	
		For 125 mils Thick, Add	*12.54*	
32 17 23 33-0021	SY	Solid Area, Thermoplastic Reflective Pavement Marking	58.75	
		For 60 mils Thick, Deduct	*-2.97*	
		For 125 mils Thick, Add	*3.82*	
32 17 23 33-0022	EA	Railroad Symbol, Thermoplastic Reflective Pavement Marking	554.33	
		For 60 mils Thick, Deduct	*-29.67*	
		For 125 mils Thick, Add	*38.15*	
32 17 23 33-0023	EA	Bike Lane Symbol, Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 4' width x 8' height.	104.24	
		For 60 mils Thick, Deduct	*-13.43*	
		For 125 mils Thick, Add	*17.27*	
32 17 23 33-0024	EA	Diamond Symbol, Thermoplastic Reflective Pavement Marking	89.38	
		For 60 mils Thick, Deduct	*-4.66*	
		For 125 mils Thick, Add	*6.00*	
32 17 23 33-0025	SF	Symbols, Thermoplastic Reflective Pavement Marking Note: Handicap, railroad, diamond, arrows, etc.	8.12	
		For 60 mils Thick, Deduct	*-0.42*	
		For 125 mils Thick, Add	*0.54*	
32 17 23 33-0026	EA	10' Arrow, Type I, Thermoplastic Reflective Pavement Marking	113.74	
		For 60 mils Thick, Deduct	*-5.93*	
		For 125 mils Thick, Add	*7.63*	
32 17 23 33-0027	EA	18' Arrow, Type I, Thermoplastic Reflective Pavement Marking	203.12	
		For 60 mils Thick, Deduct	*-10.60*	
		For 125 mils Thick, Add	*13.63*	
32 17 23 33-0028	EA	24' Arrow, Type I, Thermoplastic Reflective Pavement Marking	251.87	
		For 60 mils Thick, Deduct	*-13.14*	
		For 125 mils Thick, Add	*16.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0029	EA	24' Arrow With Single (L or R) Turn Arrow, Type II, Thermoplastic Reflective Pavement Marking	365.63	
		For 60 mils Thick, Deduct	*-19.08*	
		For 125 mils Thick, Add	*24.53*	
32 17 23 33-0030	EA	24' Arrow With Both (L and R) Turn Arrows, Type II, Thermoplastic Reflective Pavement Marking	479.38	
		For 60 mils Thick, Deduct	*-25.01*	
		For 125 mils Thick, Add	*32.16*	
32 17 23 33-0031	EA	24' Arrow Single (L or R) Turn Arrow, Type III, Thermoplastic Reflective Pavement Marking	341.25	
		For 60 mils Thick, Deduct	*-17.80*	
		For 125 mils Thick, Add	*22.89*	
32 17 23 33-0032	EA	24' Arrow Both (L and R) Turn Arrows, Type III, Thermoplastic Reflective Pavement Marking	593.13	
		For 60 mils Thick, Deduct	*-30.95*	
		For 125 mils Thick, Add	*39.79*	
32 17 23 33-0033	EA	8' Turn Arrow (L or R), Type IV, Thermoplastic Reflective Pavement Marking	121.88	
		For 60 mils Thick, Deduct	*-6.36*	
		For 125 mils Thick, Add	*8.18*	
32 17 23 33-0034	EA	24' Arrow, Type V, Thermoplastic Reflective Pavement Marking	268.13	
		For 60 mils Thick, Deduct	*-13.99*	
		For 125 mils Thick, Add	*17.99*	
32 17 23 33-0035	EA	18' Arrow, Type VI, Thermoplastic Reflective Pavement Marking	341.25	
		For 60 mils Thick, Deduct	*-17.80*	
		For 125 mils Thick, Add	*22.89*	
32 17 23 33-0036	EA	13' Arrow With Single (L or R) Turn Arrow, Type VII, Thermoplastic Reflective Pavement Marking	219.38	
		For 60 mils Thick, Deduct	*-11.45*	
		For 125 mils Thick, Add	*14.72*	
32 17 23 33-0037	EA	15' Arrow With Both (L and R) Turn Arrows, Type VIII, Thermoplastic Reflective Pavement Marking	292.50	
		For 60 mils Thick, Deduct	*-15.26*	
		For 125 mils Thick, Add	*19.62*	
32 17 23 33-0038	EA	5' Arrow, Bike Lane, Thermoplastic Reflective Pavement Marking	56.88	
		For 60 mils Thick, Deduct	*-2.97*	
		For 125 mils Thick, Add	*3.82*	

32 17 23 33-0039 Thermoplastic Reflective Pavement Striping By Hand For Repairs *(32 17 23 33-0001)*

32 17 23 33-0040	LF	Single 4" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs	2.08	
		For 60 mils Thick, Deduct	*-0.11*	
		For 125 mils Thick, Add	*0.14*	
32 17 23 33-0041	LF	Single 6" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs	2.61	
		For 60 mils Thick, Deduct	*-0.17*	
		For 125 mils Thick, Add	*0.21*	
32 17 23 33-0042	LF	Single 8" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs	3.19	
		For 60 mils Thick, Deduct	*-0.22*	
		For 125 mils Thick, Add	*0.28*	
32 17 23 33-0043	LF	Single 12" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs	4.57	
		For 60 mils Thick, Deduct	*-0.33*	
		For 125 mils Thick, Add	*0.43*	
32 17 23 33-0044	LF	Single 24" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs	8.13	
		For 60 mils Thick, Deduct	*-0.66*	
		For 125 mils Thick, Add	*0.85*	

32 17 23 33-0045 Preformed, Patterned Reflective Pavement Marking Tape *(32 17 23 33-0001)*

Note: Applied with pressure sensitive adhesive. Includes adhesive. 60 mil thickness. (3M Stamark 380 Series).

32 17 23 33-0046	LF	Single 4" Wide Solid Line, Preformed Tape, Patterned Thermoplastic Reflective Pavement Striping	1.78	
		For Up To 1 Mile, Add	*0.36*	
		For >5 Miles, Deduct	*-0.27*	
32 17 23 33-0047	LF	Single 6" Wide Solid Line, Preformed Tape, Patterned Thermoplastic Reflective Pavement Striping	2.62	
		For Up To 1 Mile, Add	*0.52*	
		For >5 Miles, Deduct	*-0.39*	
32 17 23 33-0048	LF	Single 8" Wide Solid Line, Preformed Tape, Patterned Thermoplastic Reflective Pavement Striping	3.48	
		For Up To 1 Mile, Add	*0.70*	
		For >5 Miles, Deduct	*-0.52*	
32 17 23 33-0049	LF	Single 12" Wide Solid Line, Preformed Tape, Patterned Thermoplastic Reflective Pavement Striping	5.14	
		For Up To 1 Mile, Add	*1.03*	
		For >5 Miles, Deduct	*-0.77*	
32 17 23 33-0050	SF	Preformed Solid Area, Patterned Thermoplastic Reflective Pavement Marking Tape	14.92	
		Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
32 17 23 33-0051	EA	6" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	22.05	
		For <10, Add	*0.84*	
		For >50 To 100, Deduct	*-0.42*	
		For >100 To 200, Deduct	*-0.56*	
		For >200, Deduct	*-1.13*	
32 17 23 33-0052	EA	12" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	38.40	
		For <10, Add	*1.07*	
		For >50 To 100, Deduct	*-0.54*	
		For >100 To 200, Deduct	*-0.72*	
		For >200, Deduct	*-1.43*	
32 17 23 33-0053	EA	24" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	66.34	
		For <10, Add	*2.12*	
		For >50 To 100, Deduct	*-1.06*	
		For >100 To 200, Deduct	*-1.42*	
		For >200, Deduct	*-2.83*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0054	EA	36" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	97.27	
		For <10, Add	*4.25*	
		For >50 To 100, Deduct	*-2.12*	
		For >100 To 200, Deduct	*-2.83*	
		For >200, Deduct	*-5.66*	
32 17 23 33-0055	EA	48" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	113.75	
		For <10, Add	*4.76*	
		For >50 To 100, Deduct	*-2.38*	
		For >100 To 200, Deduct	*-3.18*	
		For >200, Deduct	*-6.35*	
32 17 23 33-0056	EA	72" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	148.64	
		For <10, Add	*8.47*	
		For >50 To 100, Deduct	*-4.24*	
		For >100 To 200, Deduct	*-5.65*	
		For >200, Deduct	*-11.29*	
32 17 23 33-0057	EA	96" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	190.27	
		For <10, Add	*11.38*	
		For >50 To 100, Deduct	*-5.69*	
		For >100 To 200, Deduct	*-7.59*	
		For >200, Deduct	*-15.17*	
32 17 23 33-0058	EA	120" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	238.28	
		For <10, Add	*14.10*	
		For >50 To 100, Deduct	*-7.05*	
		For >100 To 200, Deduct	*-9.40*	
		For >200, Deduct	*-18.80*	
32 17 23 33-0059	SF	Preformed Arrow, Patterned Thermoplastic Reflective Pavement Marking Tape	15.47	
32 17 23 33-0060	SF	Preformed Symbol, Patterned Thermoplastic Reflective Pavement Marking Tape Note: Handicap, railroad, diamond symbol, etc.	16.50	

32 17 23 33-0061 Preformed, Thermoplastic Reflective Pavement Marking *(32 17 23 33-0001)*

Note: Heat applied. (Flint PreMark or HotTape Series).

32 17 23 33-0062	EA	Preformed Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 4' width x 8' height.	108.70
32 17 23 33-0063	EA	Preformed Railroad Crossing Symbol, 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.	285.56
32 17 23 33-0064	EA	Preformed Preferential Lane Symbol (Diamond), 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3-1/4' width x 13' height.	69.43
32 17 23 33-0065	EA	6' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 2' width x 6' height.	64.01
32 17 23 33-0066	EA	9-1/2' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3-1/4' width x 9-1/2' height.	103.69
32 17 23 33-0067	EA	4' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3' width x 4' height.	70.10
32 17 23 33-0068	EA	8' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 6' width x 8' height.	112.62
32 17 23 33-0069	EA	Preformed Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 7-1/4' width x 12-3/4' height.	176.57
32 17 23 33-0070	EA	Preformed Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 11-1/4' width x 13-1/4' height.	253.32
32 17 23 33-0071	EA	Preformed Elongated Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 1-2/3' width x 12' height.	110.43
32 17 23 33-0072	EA	Preformed Elongated Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3' width x 12' height.	119.36
32 17 23 33-0073	EA	Preformed Elongated Dual Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 5-1/2' width x 12' height.	197.50
32 17 23 33-0074	EA	Preformed Elongated Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3-1/2' width x 20' height.	184.14
32 17 23 33-0075	EA	Preformed Elongated Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 5-1/2' width x 20' height.	186.19
32 17 23 33-0076	EA	Preformed Lane-Reduction Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 5-1/2' width x 18' height.	240.05

32 17 23 33-0077 Thermoplastic Pavement Striping, Letters And Symbols For Parking Areas *(32 17 23 33)*

32 17 23 33-0078 Thermoplastic Pavement Marking Tape For Parking Areas *(32 17 23 33-0077)*

Note: Heat applied. (Flint PreMark Series).

32 17 23 33-0079	EA	28" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas Note: White or blue symbol. Excludes striping.	42.48
32 17 23 33-0080	EA	39" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping.	128.91
32 17 23 33-0081	EA	40" x 40" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas Note: White symbol on blue background. Excludes striping.	79.15
32 17 23 33-0082	EA	45" x 45" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas Note: White symbol on blue background. Excludes striping.	93.12
32 17 23 33-0083	EA	48" x 48" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas Note: White symbol on blue background. Excludes striping.	97.28

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 17 26 Tactile Warning Surfaces *(32 17)*

32 17 26 00-0001 Vitrified Polymer Composite (VPC); (Armor Tile) *(32 17 26)*
Note: Truncated dome, raised strips or directional bars. All colors.

32 17 26 00-0002	SF	Surface Applied VPC Truncated Dome Detectable Warning Surface Note: Includes surface preparation, adhesive, fasteners and sealant at perimeter. Also raised strips or directional bars. All colors.	51.30	6.74
32 17 26 00-0003	SF	Cast In Place VPC Truncated Dome Detectable Warning Surface Note: Also raised strips or directional bars. All colors.	42.54	6.74

32 17 26 00-0004 Fiber-Reinforced, Polymermodified Cement And Coated With Acrylic Resin Emulsion (SatetyStep TD) *(32 17 26)*
Note: Pre-molded tactile dome sheet. All colors.

32 17 26 00-0005	SF	Up To 15 SF, Surface Applied Pre-Molded Tactile Warning Mat (SSTD-MAT) Note: Includes surface preparation, SSTD-589 adhesive, SSTD-100 top coat sealer and SSTD-1250 finish . All colors. 2' or 3' width.	45.88	6.74
32 17 26 00-0006	SF	>15 To 36 SF, Surface Applied Pre-Molded Tactile Warning Mat (SSTD-MAT) Note: Includes surface preparation, SSTD-589 adhesive, SSTD-100 top coat sealer and SSTD-1250 finish . All colors. 2' or 3' width.	39.81	6.74

32 18 Athletic And Recreational Surfacing *(32 10)*

32 18 16 Synthetic Resilient Surfacing *(32 18)*

32 18 16 13 Playground Protective Surfacing *(32 18 16)*

32 18 16 13-0001 Tile Playground Surface Material *(32 18 16 13)*
Note: Black. With or without channel bottom. Includes transition section and curbs. Excludes sub base.

32 18 16 13-0002	SF	1-3/4" Thick, Resilient Rubber Tile	12.41	1.87
		For Manufacturer's Standard Colors, Add	*0.61*	
		For Interlocking Tiles, Add	*1.36*	
		For Mechanically Fastened, Add	*1.52*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0003	SF	2" Thick, Resilient Rubber Tile	12.76	1.98
		For Manufacturer's Standard Colors, Add	*0.61*	
		For Interlocking Tiles, Add	*1.36*	
		For Mechanically Fastened, Add	*1.59*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0004	SF	2-1/4" Thick, Resilient Rubber Tile	13.46	2.21
		For Manufacturer's Standard Colors, Add	*0.61*	
		For Interlocking Tiles, Add	*1.36*	
		For Mechanically Fastened, Add	*1.73*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0005	SF	2-1/2" Thick, Resilient Rubber Tile	14.16	2.45
		For Manufacturer's Standard Colors, Add	*0.61*	
		For Interlocking Tiles, Add	*1.36*	
		For Mechanically Fastened, Add	*1.87*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0006	SF	2-3/4" Thick, Resilient Rubber Tile	15.74	2.68
		For Manufacturer's Standard Colors, Add	*0.46*	
		For Interlocking Tiles, Add	*1.54*	
		For Mechanically Fastened, Add	*2.01*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0007	SF	3" Thick, Resilient Rubber Tile	16.51	2.94
		For Manufacturer's Standard Colors, Add	*0.46*	
		For Interlocking Tiles, Add	*1.54*	
		For Mechanically Fastened, Add	*2.16*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0008	SF	3-1/4" Thick, Resilient Rubber Tile	17.32	3.20
		For Manufacturer's Standard Colors, Add	*0.46*	
		For Interlocking Tiles, Add	*1.54*	
		For Mechanically Fastened, Add	*2.33*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0009	SF	3-1/2" Thick, Resilient Rubber Tile	18.94	3.43
		For Manufacturer's Standard Colors, Add	*0.26*	
		For Interlocking Tiles, Add	*1.72*	
		For Mechanically Fastened, Add	*2.47*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0010	SF	3-3/4" Thick, Resilient Rubber Tile	19.64	3.71
		For Manufacturer's Standard Colors, Add	*0.26*	
		For Interlocking Tiles, Add	*1.72*	
		For Mechanically Fastened, Add	*2.61*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0011	SF	4" Thick, Resilient Rubber Tile	20.41	3.92
		For Manufacturer's Standard Colors, Add	*0.26*	
		For Interlocking Tiles, Add	*1.72*	
		For Mechanically Fastened, Add	*2.77*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0012	SF	4-1/2" Thick, Resilient Rubber Tile	23.36	4.41
		For Manufacturer's Standard Colors, Add	*0.25*	
		For Interlocking Tiles, Add	*2.01*	
		For Mechanically Fastened, Add	*3.06*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	

32 18 16 13-0013 Loose Laid Playground Surface Material *(32 18 16 13)*

Note: Excludes sub base.

32 18 16 13-0014	SF	3" Loose Laid Wood Fiber Safety Surface	1.17	0.28
32 18 16 13-0015	SF	6" Loose Laid Wood Fiber Safety Surface	1.53	0.35
32 18 16 13-0016	SF	9" Loose Laid Wood Fiber Safety Surface	1.91	0.42
32 18 16 13-0017	SF	12" Loose Laid Wood Fiber Safety Surface	2.71	0.63
32 18 16 13-0018	SF	3" Loose Laid Synthetic Fiber Safety Surface	1.73	0.28
32 18 16 13-0019	SF	6" Loose Laid Synthetic Fiber Safety Surface	2.14	0.35
32 18 16 13-0020	SF	9" Loose Laid Synthetic Fiber Safety Surface	3.18	0.42
32 18 16 13-0021	SF	12" Loose Laid Synthetic Fiber Safety Surface	4.04	0.63
32 18 16 13-0022	SF	8" FIBAR System Note: Includes drainage system on 6" centers, felt, edge railing and 8" wood fiber.	9.30	1.05
32 18 16 13-0023	SF	12" FIBAR System Note: Includes drainage system on 6" centers, felt, edge railing and 12" wood fiber.	11.79	1.40

32 18 16 13-0024 Poured In Place Playground Surfacing *(32 18 16 13)*

Note: Includes SBR base mat, 100% color ethylene propylene diene monomer (EPDM) top surface and 5 year warranty. Includes primer for base mat and top surface. Includes all colors. Excludes base preparation.

32 18 16 13-0025	SF	Up To 4' Critical Fall Height (1-3/4") Poured In Place Rubber Playground Surfacing	10.85	2.04
		For Up To 2,000, Add	*2.60*	
		For >2,000 To 3,000, Add	*1.82*	
		For >3,000 To 4,000, Add	*1.23*	
		For >4,000 To 5,000, Add	*0.78*	
		For >5,000 To 7,000, Add	*0.32*	
		For Aliphatic (Non Yellowing) Binder, Add	*2.13*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.28*	
32 18 16 13-0026	SF	5' Critical Fall Height (2") Poured In Place Rubber Playground Surfacing	11.19	2.26
		For Up To 2,000, Add	*2.68*	
		For >2,000 To 3,000, Add	*1.88*	
		For >3,000 To 4,000, Add	*1.27*	
		For >4,000 To 5,000, Add	*0.81*	
		For >5,000 To 7,000, Add	*0.33*	
		For Aliphatic (Non Yellowing) Binder, Add	*2.13*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.28*	
32 18 16 13-0027	SF	6' Critical Fall Height (2-1/2") Poured In Place Rubber Playground Surfacing	12.09	2.58
		For Up To 2,000, Add	*2.90*	
		For >2,000 To 3,000, Add	*2.03*	
		For >3,000 To 4,000, Add	*1.37*	
		For >4,000 To 5,000, Add	*0.87*	
		For >5,000 To 7,000, Add	*0.36*	
		For Aliphatic (Non Yellowing) Binder, Add	*2.13*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.28*	
32 18 16 13-0028	SF	7' Critical Fall Height (3") Poured In Place Rubber Playground Surfacing	13.05	2.75
		For Up To 2,000, Add	*3.13*	
		For >2,000 To 3,000, Add	*2.19*	
		For >3,000 To 4,000, Add	*1.48*	
		For >4,000 To 5,000, Add	*0.94*	
		For >5,000 To 7,000, Add	*0.39*	
		For Aliphatic (Non Yellowing) Binder, Add	*2.13*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.28*	
32 18 16 13-0029	SF	8' Critical Fall Height (3-1/2") Poured In Place Rubber Playground Surfacing	14.01	2.88
		For Up To 2,000, Add	*3.36*	
		For >2,000 To 3,000, Add	*2.35*	
		For >3,000 To 4,000, Add	*1.59*	
		For >4,000 To 5,000, Add	*1.01*	
		For >5,000 To 7,000, Add	*0.42*	
		For Aliphatic (Non Yellowing) Binder, Add	*2.13*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.28*	
32 18 16 13-0030	SF	9' Critical Fall Height (4") Poured In Place Rubber Playground Surfacing	14.84	3.05
		For Up To 2,000, Add	*3.56*	
		For >2,000 To 3,000, Add	*2.49*	
		For >3,000 To 4,000, Add	*1.69*	
		For >4,000 To 5,000, Add	*1.07*	
		For >5,000 To 7,000, Add	*0.44*	
		For Aliphatic (Non Yellowing) Binder, Add	*2.13*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.28*	
32 18 16 13-0031	SF	10' Critical Fall Height (4-1/2") Poured In Place Rubber Playground Surfacing	15.81	3.22
		For Up To 2,000, Add	*3.79*	
		For >2,000 To 3,000, Add	*2.65*	
		For >3,000 To 4,000, Add	*1.80*	
		For >4,000 To 5,000, Add	*1.14*	
		For >5,000 To 7,000, Add	*0.47*	
		For Aliphatic (Non Yellowing) Binder, Add	*2.13*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.28*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0032	SF	12' Critical Fall Height (5-1/2") Poured In Place Rubber Playground Surfacing	17.72	3.61
		For Up To 2,000, Add	*4.25*	
		For >2,000 To 3,000, Add	*2.97*	
		For >3,000 To 4,000, Add	*2.01*	
		For >4,000 To 5,000, Add	*1.28*	
		For >5,000 To 7,000, Add	*0.53*	
		For Aliphatic (Non Yellowing) Binder, Add	*2.13*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.28*	
32 18 16 13-0033	SF	Top Only (1/2") Poured In Place Playground Surfacing Note: Not used with new surfacing system tasks.	7.08	
		For Up To 2,000, Add	*2.61*	
		For >2,000 To 3,000, Add	*1.67*	
		For >3,000 To 4,000, Add	*1.01*	
		For >4,000 To 5,000, Add	*0.61*	
		For >5,000 To 7,000, Add	*0.27*	
		For Aliphatic (Non Yellowing) Binder, Add	*2.13*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.28*	
32 18 16 13-0034	EA	Simple Graphics Including Hopscotch, Four Square Or Geometric Shapes (5 Per 1,000 SF) For Poured In Place Playground Surfacing	2,004.47	

32 18 23 Athletic Surfacing *(32 18)*

32 18 23 29 Synthetic Field Sport Surfacing *(32 18 23)*

32 18 23 29-0001 Synthetic Field Sport Surfacing *(32 18 23 29)*

32 18 23 29-0002 Synthetic Turf (AstroTurf) *(32 18 23 29-0001)*
Note: Includes labor, equipment and material required to install the task.

32 18 23 29-0003 Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT) *(32 18 23 29-0002)*

32 18 23 29-0004 38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 38) *(32 18 23 29-0003)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0005	SF	38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 38)	3.87	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.26*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.31*	
		For Cryo Rubber And Sand Infill, Add	*0.36*	
32 18 23 29-0006	EA	Football Markings For AstroTurf® GameDay Grass™ MT 38 Fields	13,675.96	
32 18 23 29-0007	EA	Baseball Markings For AstroTurf® GameDay Grass™ MT 38 Fields	11,147.20	
32 18 23 29-0008	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 38 Fields Note: Per sport.	3,354.48	
32 18 23 29-0009	EA	Endzone Lettering For AstroTurf® GameDay Grass™ MT 38 Fields Note: Per letter. Excludes outline.	1,238.58	
32 18 23 29-0010	EA	Colored Endzone For AstroTurf® GameDay Grass™ MT 38 Fields Note: Per endzone.	1,186.97	
32 18 23 29-0011	EA	Simple Logo For AstroTurf® GameDay Grass™ MT 38 Fields Note: Block letter.	10,321.48	
32 18 23 29-0012	EA	Deluxe Logo For AstroTurf® GameDay Grass™ MT 38 Fields Note: Graphic.	14,966.15	

32 18 23 29-0013 41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 41) *(32 18 23 29-0003)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0014	SF	41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 41)	4.41	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.26*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.31*	
		For Cryo Rubber And Sand Infill, Add	*0.36*	
32 18 23 29-0015	EA	Football Markings For AstroTurf® GameDay Grass™ MT 41 Fields	13,934.08	
32 18 23 29-0016	EA	Baseball Markings For AstroTurf® GameDay Grass™ MT 41 Fields	11,560.13	
32 18 23 29-0017	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 41 Fields Note: Per sport.	3,612.54	
32 18 23 29-0018	EA	Endzone Lettering For AstroTurf® GameDay Grass™ MT 41 Fields Note: Per letter. Excludes outline.	1,341.80	
32 18 23 29-0019	EA	Colored Endzone For AstroTurf® GameDay Grass™ MT 41 Fields Note: Per endzone.	1,238.58	
32 18 23 29-0020	EA	Simple Logo For AstroTurf® GameDay Grass™ MT 41 Fields Note: Block letter.	10,837.62	
32 18 23 29-0021	EA	Deluxe Logo For AstroTurf® GameDay Grass™ MT 41 Fields Note: Graphic.	15,714.55	

32 18 23 29-0022 45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 45) *(32 18 23 29-0003)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0023	SF	45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 45)	4.52	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.26*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.31*	
		For Cryo Rubber And Sand Infill, Add	*0.36*	
32 18 23 29-0024	EA	Football Markings For AstroTurf® GameDay Grass™ MT 45 Fields	14,192.12	
32 18 23 29-0025	EA	Baseball Markings For AstroTurf® GameDay Grass™ MT 45 Fields	12,489.07	
32 18 23 29-0026	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 45 Fields Note: Per sport.	3,870.58	
32 18 23 29-0027	EA	Endzone Lettering For AstroTurf® GameDay Grass™ MT 45 Fields Note: Per letter. Excludes outline.	1,445.02	
32 18 23 29-0028	EA	Colored Endzone For AstroTurf® GameDay Grass™ MT 45 Fields Note: Per endzone.	1,290.19	
32 18 23 29-0029	EA	Simple Logo For AstroTurf® GameDay Grass™ MT 45 Fields Note: Block letter.	11,353.70	
32 18 23 29-0030	EA	Deluxe Logo For AstroTurf® GameDay Grass™ MT 45 Fields Note: Graphic.	16,462.86	

32 18 23 29-0031 Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D) *(32 18 23 29-0002)*

32 18 23 29-0032 52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 52) *(32 18 23 29-0031)*

32 18 23 29-0033	SF	52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 52)	5.25	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.20*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.25*	
		For Cryo Rubber And Sand Infill, Add	*0.30*	
32 18 23 29-0034	EA	Football Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields	14,708.11	
32 18 23 29-0035	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields	15,688.65	
32 18 23 29-0036	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Per sport.	4,386.63	
32 18 23 29-0037	EA	Endzone Lettering For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Per letter. Excludes outline.	1,651.44	
32 18 23 29-0038	EA	Colored Endzone For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Per endzone.	1,393.40	
32 18 23 29-0039	EA	Simple Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Block letter.	12,385.78	
32 18 23 29-0040	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Graphic.	17,959.38	

32 18 23 29-0041 60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 60) *(32 18 23 29-0031)*

32 18 23 29-0042	SF	60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 60)	5.49	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.20*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.25*	
		For Cryo Rubber And Sand Infill, Add	*0.30*	
32 18 23 29-0043	EA	Football Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields	14,966.15	
32 18 23 29-0044	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields	17,443.30	
32 18 23 29-0045	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Per sport.	4,644.67	
32 18 23 29-0046	EA	Endzone Lettering For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Per letter. Excludes outline.	1,754.65	
32 18 23 29-0047	EA	Colored Endzone For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Per endzone.	1,445.01	
32 18 23 29-0048	EA	Simple Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Block letter.	12,901.85	
32 18 23 29-0049	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Graphic.	18,707.68	

32 18 23 29-0050 52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 52) *(32 18 23 29-0031)*

32 18 23 29-0051	SF	52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 52)	5.50	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.20*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.25*	
		For Cryo Rubber And Sand Infill, Add	*0.30*	
32 18 23 29-0052	EA	Football Markings For AstroTurf® GameDay Grass™ 3D 52 Fields	15,224.18	
32 18 23 29-0053	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3D 52 Fields	17,546.52	
32 18 23 29-0054	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Per sport.	4,902.70	
32 18 23 29-0055	EA	Endzone Lettering For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Per letter. Excludes outline.	1,857.87	
32 18 23 29-0056	EA	Colored Endzone For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Per endzone.	1,496.61	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0057	EA	Simple Logo For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Block letter.	13,417.92	
32 18 23 29-0058	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Graphic.	19,455.99	

32 18 23 29-0059 60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 60) *(32 18 23 29-0031)*

32 18 23 29-0060	SF	60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 60)	5.63	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.20*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.25*	
		For Cryo Rubber And Sand Infill, Add	*0.30*	
32 18 23 29-0061	EA	Football Markings For AstroTurf® GameDay Grass™ 3D 60 Fields	15,482.22	
32 18 23 29-0062	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3D 60 Fields	18,681.88	
32 18 23 29-0063	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Per sport.	5,160.74	
32 18 23 29-0064	EA	Endzone Lettering For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Per letter. Excludes outline.	2,064.30	
32 18 23 29-0065	EA	Colored Endzone For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Per endzone.	1,548.22	
32 18 23 29-0066	EA	Simple Logo For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Block letter.	13,934.00	
32 18 23 29-0067	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Graphic.	20,204.30	

32 18 23 29-0068 Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ XPe) *(32 18 23 29-0002)*

32 18 23 29-0069 38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 38) *(32 18 23 29-0068)*

32 18 23 29-0070	SF	38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 38)	4.17	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.26*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.31*	
		For Cryo Rubber And Sand Infill, Add	*0.36*	
32 18 23 29-0071	EA	Football Markings For AstroTurf® GameDay Grass™ XPe 38 Fields	13,159.97	
32 18 23 29-0072	EA	Baseball Markings For AstroTurf® GameDay Grass™ XPe 38 Fields	9,702.25	
32 18 23 29-0073	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Per sport.	2,838.42	
32 18 23 29-0074	EA	Endzone Lettering For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Per letter. Excludes outline.	1,032.15	
32 18 23 29-0075	EA	Colored Endzone For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Per endzone.	1,083.76	
32 18 23 29-0076	EA	Simple Logo For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Block letter.	9,289.39	
32 18 23 29-0077	EA	Deluxe Logo For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Graphic.	13,469.61	

32 18 23 29-0078 42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 42) *(32 18 23 29-0068)*

32 18 23 29-0079	SF	42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 42)	3.70	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.26*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.31*	
		For Cryo Rubber And Sand Infill, Add	*0.36*	
32 18 23 29-0080	EA	Football Markings For AstroTurf® GameDay Grass™ XPe 42 Fields	13,417.92	
32 18 23 29-0081	EA	Baseball Markings For AstroTurf® GameDay Grass™ XPe 42 Fields	10,321.48	
32 18 23 29-0082	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Per sport.	3,096.44	
32 18 23 29-0083	EA	Endzone Lettering For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Per letter. Excludes outline.	1,135.36	
32 18 23 29-0084	EA	Colored Endzone For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Per endzone.	1,135.36	
32 18 23 29-0085	EA	Simple Logo For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Block letter.	9,805.41	
32 18 23 29-0086	EA	Deluxe Logo For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Graphic.	14,217.84	

32 18 23 29-0087 Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®) *(32 18 23 29-0002)*

32 18 23 29-0088	SF	Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®)	8.68	
32 18 23 29-0089	SF	Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® PureGrass®)	7.63	
32 18 23 29-0090	EA	Football Markings For AstroTurf® PureGrass® Fields	25,464.89	
32 18 23 29-0091	EA	Baseball Markings For AstroTurf® PureGrass® Fields	30,253.16	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0092	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® PureGrass® Fields Note: Per sport.	7,400.05	
32 18 23 29-0093	EA	Endzone Lettering For AstroTurf® PureGrass® Fields Note: Per letter. Excludes outline.	2,829.43	
32 18 23 29-0094	EA	Colored Endzone For AstroTurf® PureGrass® Fields Note: Per endzone.	2,100.20	
32 18 23 29-0095	EA	Simple Logo For AstroTurf® PureGrass® Fields Note: Block letter.	18,901.77	
32 18 23 29-0096	EA	Deluxe Logo For AstroTurf® PureGrass® Fields Note: Graphic.	27,750.20	

32 18 23 29-0097 Synthetic Turf (G9 Turf) *(32 18 23 29-0001)*

Note: Includes labor, equipment and material required to install the task.

32 18 23 29-0098	SF	2-1/2" Height, 53 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Playmaker Turf) Note: For football and multi-sport fields. Excludes preparation of sub-base, grooming, sports lines and logos.	5.59	
		For >35,000, Deduct	*-0.52*	
32 18 23 29-0099	SF	2" Height, 48 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Striker Turf) Note: For all sports other than football. Excludes preparation of sub-base, grooming, sports lines and logos.	5.55	
		For >35,000, Deduct	*-0.52*	
32 18 23 29-0100	SF	1-3/4" Height, 72 Ounce, Tufted 3/8" Gauge, Two-Color Monofilament Synthetic Turf With Thatch Layer And Acrylic Coated Sand Infill (G9 Turf Perennial Turf) Note: For landscaped areas or playgrounds. Excludes preparation of sub-base, grooming, sports lines and logos.	5.77	
32 18 23 29-0101	EA	Football Inlays For G9 Synthetic Turf Note: Includes field grid, numbers, arrows, coach's box and kick off lines.	35,203.53	
32 18 23 29-0102	EA	Soccer Inlays For G9 Synthetic Turf	15,254.86	
32 18 23 29-0103	EA	Boys Lacrosse Inlays For G9 Synthetic Turf	15,254.86	
32 18 23 29-0104	EA	Girls Lacrosse Inlays For G9 Synthetic Turf	15,254.86	
32 18 23 29-0105	EA	Field Hockey Inlays For G9 Synthetic Turf	15,254.86	
32 18 23 29-0106	EA	Endzone Lettering For G9 Synthetic Turf Note: Priced per letter. Includes single color outlining.	1,760.18	
32 18 23 29-0107	SF	Ethylene Propylene Diene Monomer (EPDM) Black Infill For G9 Synthetic Turf	1.65	
32 18 23 29-0108	SF	Ethylene Propylene Diene Monomer (EPDM) Color Infill For G9 Synthetic Turf	4.30	
32 18 23 29-0109	SF	Styrene-Butadiene Rubber (SBR) Infill For G9 Synthetic Turf	1.23	
32 18 23 29-0110	SF	Sand Infill For G9 Synthetic Turf	0.62	
32 18 23 29-0111	SF	Acrylic Coated Sand Infill For G9 Synthetic Turf	1.02	
32 18 23 29-0112	EA	Gmax Compaction And Hardness Test For G9 Synthetic Turf Note: Includes a comprehensive report.	1,173.45	
32 18 23 29-0113	EA	Safety Bridge Over Track For G9 Synthetic Turf	11,734.51	
32 18 23 29-0114	SF	Clean And Groom Synthetic Turf Note: Includes using equipment to pick up metal particles in the field, air vacuum the top 2-5 mm of infill, clean and screen to remove broken strands, dirt, bandage, etc.	0.39	
		For >10,000 To 30,000, Deduct	*-0.16*	
		For >30,000 To 60,000, Deduct	*-0.27*	
		For >60,000, Deduct	*-0.30*	
32 18 23 29-0115	SF	Rejuvenate Synthetic Turf And Reinstall Existing Infill Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes reinstalling the old infill that was removed.	2.63	
32 18 23 29-0116	SF	Rejuvenate Synthetic Turf For Installation Of New Infill Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes disposing of the old infill. Excludes new infill.	2.92	
32 18 23 29-0117	SF	Drainage Layer For G9 Synthetic Turf Note: Used for drainage over asphalt or on roof tops.	2.40	
32 18 23 29-0118	SF	15 mm, Shock Pad For G9 Synthetic Turf Note: Used for additional Gmax for a stone base field.	1.47	
32 18 23 29-0119	EA	Single Visit Repair Call To Repair Up To 300 LF Of Inlay Lines Or Seams On G9 Synthetic Turf Note: Includes field inspection and report.	2,338.60	
32 18 23 29-0120	LF	Repair Inlay Lines Or Seams On G9 Synthetic Turf Note: Linear foot price for repairs over the initial repair call maximum of 300 LF.	6.43	
32 18 23 29-0121	LF	Nailer Used To Attach G9 Synthetic Turf	2.57	
32 18 23 29-0122	SF	Remove And Recycle Existing Field Note: Includes removal, shipping and recycling of infill, fibers and backing.	1.81	

32 18 23 33 Running Track Surfacing *(32 18 23)*

32 18 23 33-0001 Running Track Surfacing *(32 18 23 33)*

32 18 23 33-0002	SY	2-1/2" Asphaltic Concrete Running Track Surfacing	24.71	

32 18 23 33-0003 Running Track Seal And Colored Surfaces *(32 18 23 33)*

32 18 23 33-0004	SY	1 Seal Coat, Striping Of Track Note: Includes certification.	13.93	

32 18 23 39 Synthetic Running Track Surfacing *(32 18 23)*

32 18 23 39-0001 Synthetic Running Track Surfacing (XPLODE™) *(32 18 23 39)*

Note: Excludes asphalt base. Includes striping.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 39-0002	SY	Paved-In-Place Styrene-Butadiene Rubber (SBR) Or Ethylene Propylene Diene Monomer (EPDM) Rubber Granule Base Mat With Polyurethane Binder, Synthetic Running Track Surfacing (XPLODE™ M100)	36.80	
		For Up To 4,000, Add	*12.88*	
		For >5,500, Deduct	*-4.05*	
32 18 23 39-0003	SY	Paved-In-Place Styrene-Butadiene Rubber (SBR) Granule Base Mat With Polyurethane Binder Finished With A Textured And Pigmented Polyurethane And Ethylene Propylene Diene Monomer (EPDM) Rubber Structural Spray Coat, Synthetic Running Track Surfacing (XPLODE™ MS200)	49.39	
		For Up To 4,000, Add	*17.29*	
		For >5,500, Deduct	*-5.43*	
		For Custom Color Upgrade, Add	*4.69*	
		For Aliphatic Top Coating, Add	*8.89*	
32 18 23 39-0004	SY	Paved-In-Place Ethylene Propylene Diene Monomer (EPDM) Rubber Granule Base Mat With Polyurethane Binder, Two-Component Polyurethane Sealer Layer And Two-Component Polyurethane Wearing Layer With Embedded Ethylene Propylene Diene Monomer (EPDM) Rubber, Synthetic Running Track Surfacing (XPLODE™ MSX500)	83.00	
		For Up To 4,000, Add	*29.05*	
		For >5,500, Deduct	*-4.98*	
		For Custom Color Upgrade, Add	*6.39*	
		For Aliphatic Top Coating, Add	*11.87*	
32 18 23 39-0005	SY	Full Pour Two-Component Polyurethane Track System With Embedded Ethylene Propylene Diene Monomer (EPDM) Rubber Surface, Synthetic Running Track Surfacing (XPLODE™ MSX5000)	107.21	
		For Up To 4,000, Add	*37.52*	
		For >5,500, Deduct	*-6.43*	
		For Custom Color Upgrade, Add	*8.36*	
		For Aliphatic Top Coating, Add	*12.22*	
32 18 23 39-0006	SY	Latex Binder, Synthetic Running Track Surfacing (XPLODE™ Plexitrac® Lightning)	33.52	
		For Up To 4,000, Add	*11.73*	
		For >5,500, Deduct	*-3.69*	
32 18 23 39-0007	SY	Latex Binder, Synthetic Running Track Surfacing (XPLODE™ Plexitrac® Accelerator)	37.73	
		For Up To 4,000, Add	*13.21*	
		For >5,500, Deduct	*-5.47*	
32 18 23 39-0008	SY	Spray Retop XPLODE™ M100/MS200 Running Tracks	33.14	
		For Up To 4,000, Add	*11.60*	
		For >5,500, Deduct	*-3.24*	
32 18 23 39-0009	SY	Sandwich Retop XPLODE™ MSX500 Running Tracks	64.15	
		For Up To 4,000, Add	*22.45*	
		For >5,500, Deduct	*-6.76*	
32 18 23 39-0010	SY	Retop XPLODE™ Plexitrac® Lightning Running Tracks Note: Two layers.	18.66	
		For Up To 4,000, Add	*6.53*	
		For >5,500, Deduct	*-3.09*	
32 18 23 39-0011	SY	Retop XPLODE™ Plexitrac® Accelerator Running Tracks Note: Two layers.	22.72	
		For Up To 4,000, Add	*7.95*	
		For >5,500, Deduct	*-3.09*	
32 18 23 39-0012	EA	Restripe XPLODE™ Running Track Note: Includes two coats of acrylic resurfacer and two coats of color.	7,713.06	
		For College Track Restriping, Add	*1,402.38*	

32 18 23 53 Tennis Court Surfacing *(32 18 23)*

32 18 23 53-0001 Tennis Court Surfacing *(32 18 23 53)*

See CSI section 32 18 23 61-0000 for 100% acrylic tennis court surfacing.

32 18 23 53-0002	SY	Tennis Court Bituminous Pavement, 2-1/2" Thick	25.29	
32 18 23 53-0003	SY	Resurface Tennis Court Bituminous Pavement	7.02	

32 18 23 53-0004 Tennis Court Markings *(32 18 23 53)*

32 18 23 53-0005	EA	Paint Markings On Asphalt Tennis Court 2 Coats	368.37	

32 18 23 56 Natural Tennis Court Surfacing *(32 18 23)*

32 18 23 56-0001	SY	Clay Tennis Court	35.85	
32 18 23 56-0002	SY	Tennis Court, Pulverized Natural Greenstone, Fast Dry Note: Includes 4" base.	39.84	
32 18 23 56-0003	SY	Tennis Court, Rubber-Cork Base Resilient Pavement	17.33	
32 18 23 56-0004	SY	Resurface Clay Tennis Court	10.57	
32 18 23 56-0005	SY	Resurface Tennis Court, Pulverized Natural Greenstone	9.00	
32 18 23 56-0006	SY	Resurface Tennis Court, Resilient Pavement	6.49	

32 18 23 61 Multi-Use, Tennis Court, Basketball Court Athletic Surfacing *(32 18 23)*

32 18 23 61-0001 100% Acrylic Athletic Surfacing System (California Products Plexipave®) *(32 18 23 61)*

Note: Excludes asphalt or concrete sub base and repairs of sub base.

32 18 23 61-0002 Surface Preparation For Athletic Surfacing System (California Products Plexipave®) *(32 18 23 61-0001)*

32 18 23 61-0003	SY	100% Acrylic Resurfacer, Athletic Surfacing System (California Products Plexipave® Acrylic Resurfacer), Per Coat Note: Includes ultra fine silica sand. Applied with rubber squeegee.	1.81	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 61-0004	SY	Acid Etching Concrete Pre-Treatment For Plexipave® Athletic Surfacing System (California Products Plexipave® Concrete Preparer®), Per Coat	0.62	
		Note: For previously uncoated portland cement concrete. Applied with broom.		
32 18 23 61-0005	SY	Two-Part, Water Based Epoxy Primer For Plexipave® Athletic Surfacing System (California Products Plexipave® Ti-Coat®), Per Coat	2.26	
		Note: For new or uncoated portland cement concrete. Applied with a short nap phenolic roller.		
32 18 23 61-0006	SY	Up To 1/2" Thick, Acrylic Latex Patching Compound, Athletic Surfacing System (California Products Plexipave® Court Patch Binder), Per Coat	92.05	
		Note: For patching depressions and uneven texture in new or existing asphalt or concrete surfaces. Includes ultra fine silica sand and portland cement. Applied with trowel or metal screed.		

32 18 23 61-0007 Surface Coatings For Athletic Surfacing System (California Products Plexipave®) *(32 18 23 61-0001)*

Note: Standard colors include dark green, Florida green, light green, maroon, Sahara sand, brown, California red, and cape gray.

32 18 23 61-0008	SY	100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), First Coat	2.35	
		Note: Includes ultra fine silica sand. Applied with rubber squeegee.		
		For Pacific Blue, Add	*0.13*	
		For US Open Blue, Add	*0.44*	
32 18 23 61-0009	SY	100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Second Coat	1.92	
		Note: Includes ultra fine silica sand. Applied with rubber squeegee.		
		For Pacific Blue, Add	*0.09*	
		For US Open Blue, Add	*0.32*	
32 18 23 61-0010	SY	100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Third Coat	1.69	
		Note: Price per coat for third or additional coats. Includes ultra fine silica sand. Applied with rubber squeegee.		
		For Pacific Blue, Add	*0.07*	
		For US Open Blue, Add	*0.25*	
32 18 23 61-0011	SY	Non-Textured, 100% Acrylic Emulsion Color Coating Finish, Athletic Surfacing System (California Products Plexipave® Plexichrome®), Per Coat	1.69	
		Note: Non-textured finish coat over Plexipave® for faster playing surfaces. Applied with rubber squeegee followed by wide hair-type push broom.		
		For Pacific Blue, Add	*0.04*	
		For US Open Or Australian Open Blue, Add	*0.30*	
		For Pro Purple, Add	*0.65*	

32 18 23 61-0012 Specialty Coatings For Athletic Surfacing System (California Products Plexipave®) *(32 18 23 61-0001)*

32 18 23 61-0013	SY	Hard Acrylic Surface Coat, Clear Coating Finish, Athletic Surfacing System (California Products Plexipave® Clear-Glo #3®), Per Coat	1.08	
		Note: Final finish coat over Plexipave® for increased wear resistance for basketball and volleyball courts. Applied with wide hair-type push broom.		

32 18 23 61-0014 Line Striping For Athletic Surfacing System (California Products Plexipave®) *(32 18 23 61-0001)*

32 18 23 61-0015	SY	Tennis Or Basketball Court Line Striping For Athletic Surfacing System (California Products Plexipave® Hi-Hide Plexicolor®)	4.89	
		Note: Textured or non-textured highly reflective line marking paint.		

32 18 23 61-0016 Cushion Coatings For Athletic Surfacing System (California Products Plexipave® Plexicushion®) *(32 18 23 61-0001)*

32 18 23 61-0017	SY	Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), First Coat	3.46	
		Note: Applied with rubber squeegee.		
32 18 23 61-0018	SY	Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), Second Coat	4.67	
		Note: Applied with rubber squeegee.		
32 18 23 61-0019	SY	Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), Third Coat	4.04	
		Note: Price per coat for third or additional coats. Applied with rubber squeegee.		
32 18 23 61-0020	SY	Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plexicushion®), First Coat	3.06	
		Note: Applied with rubber squeegee.		
32 18 23 61-0021	SY	Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plexicushion®), Second Coat	2.36	
		Note: Price per coat for second or additional coats. Applied with rubber squeegee.		

32 30 Site Improvements *(32)*

32 31 Fences And Gates *(32 30)*

32 31 11 Gate Operators *(32 31)*

32 31 11 00-0001 Gate Operators *(32 31 11)*

Note: Excludes gates, electrical connections, access controls and concrete foundation.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 11 00-0002		**Swing Gate Actuator** *(32 31 11 00-0001)*		
32 31 11 00-0003		**Single Gate, Swing Gate Actuator** *(32 31 11 00-0002)*		
32 31 11 00-0004	EA	Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6003) Note: Includes one primary operator with a 10' wide gate capacity.	1,016.57	170.78
32 31 11 00-0005	EA	Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6002) Note: Includes one primary operator with a 14' wide gate capacity.	1,309.07	170.78
32 31 11 00-0006		**Dual Gate, Swing Gate Actuator** *(32 31 11 00-0002)*		
32 31 11 00-0007	EA	Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6003) Note: Includes one primary and one secondary operator each with a 10' wide gate capacity.	2,033.14	341.57
32 31 11 00-0008	EA	Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6002) Note: Includes one primary and one secondary operator each with a 14' wide gate capacity.	2,618.14	341.57
32 31 11 00-0009		**Swing Gate Operators** *(32 31 11 00-0001)*		
32 31 11 00-0010		**Single Gate, Swing Gate Operators** *(32 31 11 00-0009)*		
32 31 11 00-0011	EA	400 LB Capacity, Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6050) Note: Includes one primary operator with a 10' wide and 400# gate capacity.	1,931.57	170.78
32 31 11 00-0012	EA	500 LB Capacity, Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6100) Note: Includes one primary operator with a 14' wide and 500# gate capacity.	2,089.07	170.78
32 31 11 00-0013	EA	700 LB Capacity, Up To 18' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500) Note: Includes one primary operator with an 18' wide and 700# gate capacity.	2,786.57	170.78
		For 208/230/460 Volt AC, Add	*322.50*	
32 31 11 00-0014	EA	800 LB Capacity, Up To 22' Wide Gate, 1 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500) Note: Includes one primary operator with a 22' wide and 800# gate capacity.	3,139.07	170.78
		For 208/230/460 Volt AC, Add	*322.50*	
32 31 11 00-0015		**Dual Gate, Swing Gate Operators** *(32 31 11 00-0009)*		
32 31 11 00-0016	EA	400 LB Capacity, Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6050) Note: Includes one primary and one secondary operator each with a 10' wide and 400# gate capacity.	3,450.64	341.57
32 31 11 00-0017	EA	500 LB Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6100) Note: Includes one primary and one secondary operator each with a 14' wide and 500# gate capacity.	3,765.64	341.57
32 31 11 00-0018	EA	700 LB Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500) Note: Includes one primary and one secondary operator each with an 18' wide and 700# gate capacity.	5,153.14	341.57
		For 208/230/460 Volt AC, Add	*322.50*	
32 31 11 00-0019	EA	800 LB Capacity, Up To 22' Wide Gates, 1 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500) Note: Includes one primary and one secondary operator each with a 22' wide and 800# gate capacity.	5,925.64	341.57
		For 208/230/460 Volt AC, Add	*322.50*	
32 31 11 00-0020		**Sliding Gate Operators** *(32 31 11 00-0001)* Note: Includes 20' of chain. See CSI section 32 31 11 00-0029 for additional chain over 20'.		
32 31 11 00-0021	EA	300 LB Capacity, Up To 16' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9050) Note: Includes operator, chain brackets, hardware and 20' of #41 chain.	1,579.07	170.78
32 31 11 00-0022	EA	1,000 LB Capacity, Up To 30' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9100) Note: Includes operator, chain brackets, hardware and 20' of #41 chain.	2,209.88	204.94
32 31 11 00-0023	EA	1,500 LB Capacity, Up To 45' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9150) Note: Includes operator, chain brackets, hardware and 20' of #40 chain.	2,734.88	204.94
32 31 11 00-0024	EA	3,000 LB Capacity, Up To 100' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9210) Note: Includes operator, chain brackets, hardware and 20' of #50 chain.	3,571.94	239.10
32 31 11 00-0025	EA	2,000 LB Capacity, Up To 100' Wide Gate, 1 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9220) Note: Includes operator, chain brackets, hardware and 20' of #50 chain.	4,381.94	239.10
32 31 11 00-0026	EA	5,000 LB Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9230) Note: Includes operator, chain brackets, hardware and 20' of #60 chain.	5,980.26	273.25
32 31 11 00-0027	EA	5,000 LB Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9530) Note: Includes operator, chain brackets, hardware and 20' of #60 chain.	9,996.51	273.25
32 31 11 00-0028	EA	10,000 LB Capacity, Up To 160' Wide Gate, 5 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9550) Note: Includes operator, chain brackets, hardware and 20' of #60 chain.	16,949.82	307.41
32 31 11 00-0029		**Accessories For Gate Actuators And Operators** *(32 31 11 00-0001)*		
32 31 11 00-0030	EA	Single Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9410)	388.72	
32 31 11 00-0031	EA	Two Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9409)	761.69	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 11 00-0032	EA	Heater Kit For Gate Actuators And Operators (DKS™ DoorKing® 1601)	436.63	
32 31 11 00-0033	EA	Photoelectric Eye For Gate Actuators And Operators (DKS™ DoorKing® 8080-031)	497.44	
32 31 11 00-0034	EA	Reversing Edge Sensor For Gate Actuators And Operators (DKS™ DoorKing® 8080-020)	452.44	
32 31 11 00-0035	EA	Post Mount Base Plate For Gate Actuators And Operators (DKS™ DoorKing® 9310)	343.69	
32 31 11 00-0036	LF	#40 Chain For Sliding Gate Operators	5.56	
32 31 11 00-0037	LF	#41 Chain For Sliding Gate Operators	4.43	
32 31 11 00-0038	LF	#50 Chain For Sliding Gate Operators	6.18	
32 31 11 00-0039	LF	#60 Chain For Sliding Gate Operators	5.87	

32 31 13 Chain Link Fences And Gates *(32 31)*

32 31 13 00-0001 Post Holes *(32 31 13)*

Note: Excludes spreading of excess material on site or loading and removal of excavated material from site. See CSI section 02 41 19 13-0024 for core drilling in concrete, 02 41 19 13-0138 for core drilling in asphalt.

32 31 13 00-0002 Drilling Post Hole In Soil *(32 31 13 00-0001)*

Note: Auger by machine unless otherwise notified by owner.

32 31 13 00-0003	VLF	Up To 2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil	7.43
32 31 13 00-0004	VLF	2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil	8.35
32 31 13 00-0005	VLF	3" Diameter Hole, Auger By Machine Fence Post Hole In Soil	9.90
32 31 13 00-0006	VLF	4" Diameter Hole, Auger By Machine Fence Post Hole In Soil	11.14
32 31 13 00-0007	VLF	6" Diameter Hole, Auger By Machine Fence Post Hole In Soil	12.15
32 31 13 00-0008	VLF	8" Diameter Hole, Auger By Machine Fence Post Hole In Soil	13.36
32 31 13 00-0009	VLF	10" Diameter Hole, Auger By Machine Fence Post Hole In Soil	14.85
32 31 13 00-0010	VLF	12" Diameter Hole, Auger By Machine Fence Post Hole In Soil	16.71
32 31 13 00-0011	VLF	18" Diameter Hole, Auger By Machine Fence Post Hole In Soil	19.10
32 31 13 00-0012	VLF	24" Diameter Hole, Auger By Machine Fence Post Hole In Soil	22.28
32 31 13 00-0013	VLF	30" Diameter Hole, Auger By Machine Fence Post Hole In Soil	26.74
32 31 13 00-0014	VLF	36" Diameter Hole, Auger By Machine Fence Post Hole In Soil	33.42

32 31 13 00-0015 Drilling Post Hole In Rock *(32 31 13 00-0001)*

32 31 13 00-0016	CF	Jackhammer Post Hole, Rock	54.64
32 31 13 00-0017	CF	Rock Drill Post Hole, Rock	16.50

32 31 13 00-0018 Post Hole Fill *(32 31 13 00-0001)*

See CSI section 03 21 00 00-0000 for reinforcing bars.

32 31 13 00-0019 Concrete Fill *(32 31 13 00-0018)*

32 31 13 00-0020	VLF	Concrete Fill, Up To 2-1/2" Diameter Hole	4.46
32 31 13 00-0021	VLF	Concrete Fill, 2-1/2" Diameter Hole	5.72
32 31 13 00-0022	VLF	Concrete Fill, 3" Diameter Hole	6.30
32 31 13 00-0023	VLF	Concrete Fill, 4" Diameter Hole	7.21
32 31 13 00-0024	VLF	Concrete Fill, 6" Diameter Hole	10.17
32 31 13 00-0025	VLF	Concrete Fill, 8" Diameter Hole	13.57
32 31 13 00-0026	VLF	Concrete Fill, 10" Diameter Hole	16.59
32 31 13 00-0027	VLF	Concrete Fill, 12" Diameter Hole	19.34
32 31 13 00-0028	VLF	Concrete Fill, 18" Diameter Hole	26.29
32 31 13 00-0029	VLF	Concrete Fill, 24" Diameter Hole	32.55
32 31 13 00-0030	VLF	Concrete Fill, 30" Diameter Hole	38.66
32 31 13 00-0031	VLF	Concrete Fill, 36" Diameter Hole	45.00

32 31 13 00-0032 Grout Fill *(32 31 13 00-0018)*

32 31 13 00-0033	VLF	Grout Fill, Up To 2-1/2" Diameter Hole	5.29
32 31 13 00-0034	VLF	Grout Fill, 2-1/2" Diameter Hole	6.83
32 31 13 00-0035	VLF	Grout Fill, 3" Diameter Hole	7.43
32 31 13 00-0036	VLF	Grout Fill, 4" Diameter Hole	8.33
32 31 13 00-0037	VLF	Grout Fill, 6" Diameter Hole	11.61
32 31 13 00-0038	VLF	Grout Fill, 8" Diameter Hole	15.51
32 31 13 00-0039	VLF	Grout Fill, 10" Diameter Hole	18.88
32 31 13 00-0040	VLF	Grout Fill, 12" Diameter Hole	21.90
32 31 13 00-0041	VLF	Grout Fill, 18" Diameter Hole	29.23
32 31 13 00-0042	VLF	Grout Fill, 24" Diameter Hole	35.65
32 31 13 00-0043	VLF	Grout Fill, 30" Diameter Hole	41.87
32 31 13 00-0044	VLF	Grout Fill, 36" Diameter Hole	48.22

32 31 13 00-0045 Earth Fill, Compacted *(32 31 13 00-0018)*

32 31 13 00-0046	VLF	Earth Fill, Up To 2-1/2" Diameter Hole	3.79
32 31 13 00-0047	VLF	Earth Fill, 2-1/2" Diameter Hole	4.95
32 31 13 00-0048	VLF	Earth Fill, 3" Diameter Hole	5.18
32 31 13 00-0049	VLF	Earth Fill, 4" Diameter Hole	5.33
32 31 13 00-0050	VLF	Earth Fill, 6" Diameter Hole	7.11
32 31 13 00-0051	VLF	Earth Fill, 8" Diameter Hole	9.49
32 31 13 00-0052	VLF	Earth Fill, 10" Diameter Hole	11.38
32 31 13 00-0053	VLF	Earth Fill, 12" Diameter Hole	12.90
32 31 13 00-0054	VLF	Earth Fill, 18" Diameter Hole	15.73
32 31 13 00-0055	VLF	Earth Fill, 24" Diameter Hole	17.64
32 31 13 00-0056	VLF	Earth Fill, 30" Diameter Hole	19.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0057	VLF	Earth Fill, 36" Diameter Hole	20.87	
32 31 13 00-0058		**Fence Posts** *(32 31 13)*		
		Note: Demolition excludes concrete footing removal on posts and excavation. See CSI section 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 00-0001 for drilling for augering holes.		
32 31 13 00-0059		**Fence Posts** *(32 31 13 00-0058)*		
32 31 13 00-0060		**1-7/8" H-Beam Post Without Top Rail Fitting, Galvanized Steel** *(32 31 13 00-0059)*		
		Note: Includes cap and accessories.		
32 31 13 00-0061	LF	1-7/8" Galvanized H-beam Post, Up To 6' In Length	8.60	1.94
		For Each Top Rail Fitting, Add	*0.85*	
32 31 13 00-0062	LF	1-7/8" Galvanized H-beam Post, 7' To 10' In Length	8.06	1.64
		For Each Top Rail Fitting, Add	*0.85*	
32 31 13 00-0063	LF	1-7/8" Galvanized H-beam Post, 11' To 15' In Length	7.38	1.36
		For Each Top Rail Fitting, Add	*0.85*	
32 31 13 00-0064	LF	1-7/8" Galvanized H-beam Post, 16' To 20' In Length	6.84	1.08
		For Each Top Rail Fitting, Add	*0.85*	
32 31 13 00-0065	LF	1-7/8" Galvanized H-beam Post, 21' To 24' In Length	6.48	0.93
		For Each Top Rail Fitting, Add	*0.85*	
32 31 13 00-0066	LF	1-7/8" Galvanized H-beam Post, >24' In Length	5.92	0.65
		For Each Top Rail Fitting, Add	*0.85*	
32 31 13 00-0067		**Post Without Top Rail Fitting, Galvanized Steel, (1.66" Nominal)** *(32 31 13 00-0059)*		
		Note: 1-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 00-0068	LF	1-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length	6.20	1.79
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*0.66*	
		For Vinyl Coated, Add	*1.57*	
		For Powder Coated, Add	*2.10*	
		For Aluminum Coated, Add	*3.28*	
		For Schedule 20, Deduct	*-0.52*	
		For Schedule 80, Add	*1.62*	
32 31 13 00-0069	LF	1-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	5.65	1.51
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*0.66*	
		For Vinyl Coated, Add	*1.57*	
		For Powder Coated, Add	*2.10*	
		For Aluminum Coated, Add	*3.28*	
		For Schedule 20, Deduct	*-0.52*	
		For Schedule 80, Add	*1.56*	
32 31 13 00-0070	LF	1-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	5.04	1.22
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*0.66*	
		For Vinyl Coated, Add	*1.57*	
		For Powder Coated, Add	*2.10*	
		For Aluminum Coated, Add	*3.28*	
		For Schedule 20, Deduct	*-0.52*	
		For Schedule 80, Add	*1.50*	
32 31 13 00-0071	LF	1-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	4.56	0.93
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*0.66*	
		For Vinyl Coated, Add	*1.57*	
		For Powder Coated, Add	*2.10*	
		For Aluminum Coated, Add	*3.28*	
		For Schedule 20, Deduct	*-0.52*	
		For Schedule 80, Add	*1.45*	
32 31 13 00-0072	LF	1-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	4.24	0.79
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*0.66*	
		For Vinyl Coated, Add	*1.57*	
		For Powder Coated, Add	*2.10*	
		For Aluminum Coated, Add	*3.28*	
		For Schedule 20, Deduct	*-0.52*	
		For Schedule 80, Add	*1.42*	
32 31 13 00-0073	LF	1-5/8" Outside Diameter Galvanized Steel Post, >24' In Length	3.89	0.65
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*0.66*	
		For Vinyl Coated, Add	*1.57*	
		For Powder Coated, Add	*2.10*	
		For Aluminum Coated, Add	*3.28*	
		For Schedule 20, Deduct	*-0.52*	
		For Schedule 80, Add	*1.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0074		Post Without Top Rail Fitting, Galvanized Steel, (1.90" Nominal) *(32 31 13 00-0059)*		
		Note: 2" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 00-0075	LF	2" Outside Diameter Galvanized Steel Post, Up To 6' In Length	6.91	1.86
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*0.80*	
		For Vinyl Coated, Add	*1.92*	
		For Powder Coated, Add	*2.56*	
		For Aluminum Coated, Add	*4.00*	
		For Schedule 20, Deduct	*-0.64*	
		For Schedule 80, Add	*1.91*	
32 31 13 00-0076	LF	2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	6.41	1.58
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*0.80*	
		For Vinyl Coated, Add	*1.92*	
		For Powder Coated, Add	*2.56*	
		For Aluminum Coated, Add	*4.00*	
		For Schedule 20, Deduct	*-0.64*	
		For Schedule 80, Add	*1.86*	
32 31 13 00-0077	LF	2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	5.76	1.29
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*0.80*	
		For Vinyl Coated, Add	*1.92*	
		For Powder Coated, Add	*2.56*	
		For Aluminum Coated, Add	*4.00*	
		For Schedule 20, Deduct	*-0.64*	
		For Schedule 80, Add	*1.79*	
32 31 13 00-0078	LF	2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	5.25	1.01
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*0.80*	
		For Vinyl Coated, Add	*1.92*	
		For Powder Coated, Add	*2.56*	
		For Aluminum Coated, Add	*4.00*	
		For Schedule 20, Deduct	*-0.64*	
		For Schedule 80, Add	*1.74*	
32 31 13 00-0079	LF	2" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	4.91	0.86
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*0.80*	
		For Vinyl Coated, Add	*1.92*	
		For Powder Coated, Add	*2.56*	
		For Aluminum Coated, Add	*4.00*	
		For Schedule 20, Deduct	*-0.64*	
		For Schedule 80, Add	*1.71*	
32 31 13 00-0080	LF	2" Outside Diameter Galvanized Steel Post, >24' In Length	4.58	0.71
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*0.80*	
		For Vinyl Coated, Add	*1.92*	
		For Powder Coated, Add	*2.56*	
		For Aluminum Coated, Add	*4.00*	
		For Schedule 20, Deduct	*-0.64*	
		For Schedule 80, Add	*1.67*	
32 31 13 00-0081		Post Without Top Rail Fitting, Galvanized Steel, (2.375" Nominal) *(32 31 13 00-0059)*		
		Note: 2-1/2" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 00-0082	LF	2-1/2" Outside Diameter Galvanized Steel Post, Up To 6' In Length	8.17	2.01
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*1.07*	
		For Vinyl Coated, Add	*2.56*	
		For Powder Coated, Add	*3.41*	
		For Aluminum Coated, Add	*5.33*	
		For Schedule 20, Deduct	*-0.85*	
		For Schedule 80, Add	*2.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0083	LF	2-1/2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	7.63	1.72
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*1.07*	
		For Vinyl Coated, Add	*2.56*	
		For Powder Coated, Add	*3.41*	
		For Aluminum Coated, Add	*5.33*	
		For Schedule 20, Deduct	*-0.85*	
		For Schedule 80, Add	*2.38*	
32 31 13 00-0084	LF	2-1/2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	6.95	1.36
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*1.07*	
		For Vinyl Coated, Add	*2.56*	
		For Powder Coated, Add	*3.41*	
		For Aluminum Coated, Add	*5.33*	
		For Schedule 20, Deduct	*-0.85*	
		For Schedule 80, Add	*2.31*	
32 31 13 00-0085	LF	2-1/2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	6.41	1.08
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*1.07*	
		For Vinyl Coated, Add	*2.56*	
		For Powder Coated, Add	*3.41*	
		For Aluminum Coated, Add	*5.33*	
		For Schedule 20, Deduct	*-0.85*	
		For Schedule 80, Add	*2.26*	
32 31 13 00-0086	LF	2-1/2" Outside Diameter Galvanized Steel Post, 21 To 24' In Length	6.05	0.93
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*1.07*	
		For Vinyl Coated, Add	*2.56*	
		For Powder Coated, Add	*3.41*	
		For Aluminum Coated, Add	*5.33*	
		For Schedule 20, Deduct	*-0.85*	
		For Schedule 80, Add	*2.22*	
32 31 13 00-0087	LF	2-1/2" Outside Diameter Galvanized Steel Post, >24' In Length	5.71	0.71
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*1.07*	
		For Vinyl Coated, Add	*2.56*	
		For Powder Coated, Add	*3.41*	
		For Aluminum Coated, Add	*5.33*	
		For Schedule 20, Deduct	*-0.85*	
		For Schedule 80, Add	*2.19*	

32 31 13 00-0088 Post Without Top Rail Fitting, Galvanized Steel, (2.875" Nominal) *(32 31 13 00-0059)*

Note: 3" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 00-0089	LF	3" Outside Diameter Galvanized Steel Post, Up To 6' In Length	10.67	2.15
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*1.59*	
		For Vinyl Coated, Add	*3.82*	
		For Powder Coated, Add	*5.09*	
		For Aluminum Coated, Add	*7.95*	
		For Schedule 20, Deduct	*-1.27*	
		For Schedule 80, Add	*3.48*	
32 31 13 00-0090	LF	3" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	10.07	1.86
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*1.59*	
		For Vinyl Coated, Add	*3.82*	
		For Powder Coated, Add	*5.09*	
		For Aluminum Coated, Add	*7.95*	
		For Schedule 20, Deduct	*-1.27*	
		For Schedule 80, Add	*3.42*	
32 31 13 00-0091	LF	3" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	9.35	1.51
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*1.59*	
		For Vinyl Coated, Add	*3.82*	
		For Powder Coated, Add	*5.09*	
		For Aluminum Coated, Add	*7.95*	
		For Schedule 20, Deduct	*-1.27*	
		For Schedule 80, Add	*3.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0092	LF	3" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	8.75	1.22
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*1.59*	
		For Vinyl Coated, Add	*3.82*	
		For Powder Coated, Add	*5.09*	
		For Aluminum Coated, Add	*7.95*	
		For Schedule 20, Deduct	*-1.27*	
		For Schedule 80, Add	*3.29*	
32 31 13 00-0093	LF	3" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	8.36	1.01
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*1.59*	
		For Vinyl Coated, Add	*3.82*	
		For Powder Coated, Add	*5.09*	
		For Aluminum Coated, Add	*7.95*	
		For Schedule 20, Deduct	*-1.27*	
		For Schedule 80, Add	*3.25*	
32 31 13 00-0094	LF	3" Outside Diameter Galvanized Steel Post, >24' In Length	7.98	0.79
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*1.59*	
		For Vinyl Coated, Add	*3.82*	
		For Powder Coated, Add	*5.09*	
		For Aluminum Coated, Add	*7.95*	
		For Schedule 20, Deduct	*-1.27*	
		For Schedule 80, Add	*3.21*	

32 31 13 00-0095 Post Without Top Rail Fitting, Galvanized Steel, (4" Nominal) *(32 31 13 00-0059)*

Note: 4" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 00-0096	LF	4" Outside Diameter Galvanized Steel Post, Up To 6' In Length	14.87	2.29
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.59*	
		For Vinyl Coated, Add	*6.20*	
		For Powder Coated, Add	*8.27*	
		For Aluminum Coated, Add	*12.93*	
		For Schedule 20, Deduct	*-2.07*	
		For Schedule 80, Add	*5.42*	
32 31 13 00-0097	LF	4" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	14.12	1.86
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.59*	
		For Vinyl Coated, Add	*6.20*	
		For Powder Coated, Add	*8.27*	
		For Aluminum Coated, Add	*12.93*	
		For Schedule 20, Deduct	*-2.07*	
		For Schedule 80, Add	*5.34*	
32 31 13 00-0098	LF	4" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	13.48	1.58
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.59*	
		For Vinyl Coated, Add	*6.20*	
		For Powder Coated, Add	*8.27*	
		For Aluminum Coated, Add	*12.93*	
		For Schedule 20, Deduct	*-2.07*	
		For Schedule 80, Add	*5.28*	
32 31 13 00-0099	LF	4" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	12.86	1.29
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.59*	
		For Vinyl Coated, Add	*6.20*	
		For Powder Coated, Add	*8.27*	
		For Aluminum Coated, Add	*12.93*	
		For Schedule 20, Deduct	*-2.07*	
		For Schedule 80, Add	*5.22*	
32 31 13 00-0100	LF	4" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	12.86	1.29
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.59*	
		For Vinyl Coated, Add	*6.20*	
		For Powder Coated, Add	*8.27*	
		For Aluminum Coated, Add	*12.93*	
		For Schedule 20, Deduct	*-2.07*	
		For Schedule 80, Add	*5.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0101	LF	4" Outside Diameter Galvanized Steel Post, >24' In Length	12.13	0.93
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.59*	
		For Vinyl Coated, Add	*6.20*	
		For Powder Coated, Add	*8.27*	
		For Aluminum Coated, Add	*12.93*	
		For Schedule 20, Deduct	*-2.07*	
		For Schedule 80, Add	*5.14*	

32 31 13 00-0102 Post Without Top Rail Fitting, Galvanized Steel, (6.625" Nominal) *(32 31 13 00-0059)*
Note: 6-5/8" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 00-0103	LF	6-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length	26.95	2.51
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*5.48*	
		For Vinyl Coated, Add	*13.15*	
		For Powder Coated, Add	*17.54*	
		For Aluminum Coated, Add	*27.40*	
		For Schedule 20, Deduct	*-4.38*	
		For Schedule 80, Add	*11.02*	
32 31 13 00-0104	LF	6-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	26.14	2.08
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*5.48*	
		For Vinyl Coated, Add	*13.15*	
		For Powder Coated, Add	*17.54*	
		For Aluminum Coated, Add	*27.40*	
		For Schedule 20, Deduct	*-4.38*	
		For Schedule 80, Add	*10.94*	
32 31 13 00-0105	LF	6-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	25.42	1.72
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*5.48*	
		For Vinyl Coated, Add	*13.15*	
		For Powder Coated, Add	*17.54*	
		For Aluminum Coated, Add	*27.40*	
		For Schedule 20, Deduct	*-4.38*	
		For Schedule 80, Add	*10.87*	
32 31 13 00-0106	LF	6-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	24.71	1.36
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*5.48*	
		For Vinyl Coated, Add	*13.15*	
		For Powder Coated, Add	*17.54*	
		For Aluminum Coated, Add	*27.40*	
		For Schedule 20, Deduct	*-4.38*	
		For Schedule 80, Add	*10.80*	
32 31 13 00-0107	LF	6-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	24.31	1.22
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*5.48*	
		For Vinyl Coated, Add	*13.15*	
		For Powder Coated, Add	*17.54*	
		For Aluminum Coated, Add	*27.40*	
		For Schedule 20, Deduct	*-4.38*	
		For Schedule 80, Add	*10.76*	
32 31 13 00-0108	LF	6-5/8" Outside Diameter Galvanized Steel Post, >24' In Length	23.92	1.01
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*5.48*	
		For Vinyl Coated, Add	*13.15*	
		For Powder Coated, Add	*17.54*	
		For Aluminum Coated, Add	*27.40*	
		For Schedule 20, Deduct	*-4.38*	
		For Schedule 80, Add	*10.72*	

32 31 13 00-0109 Post Without Top Rail Fitting, Galvanized Steel, (8.625" Nominal) *(32 31 13 00-0059)*
Note: 8-5/8" outside diameter, Schedule 40. Includes cap and accessories.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0110	LF	8-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length	50.51	2.80
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*11.23*	
		For Vinyl Coated, Add	*26.95*	
		For Powder Coated, Add	*35.94*	
		For Aluminum Coated, Add	*56.15*	
		For Schedule 20, Deduct	*-8.98*	
		For Schedule 80, Add	*22.12*	
32 31 13 00-0111	LF	8-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	49.60	2.37
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*11.23*	
		For Vinyl Coated, Add	*26.95*	
		For Powder Coated, Add	*35.94*	
		For Aluminum Coated, Add	*56.15*	
		For Schedule 20, Deduct	*-8.98*	
		For Schedule 80, Add	*22.03*	
32 31 13 00-0112	LF	8-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	48.80	1.94
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*11.23*	
		For Vinyl Coated, Add	*26.95*	
		For Powder Coated, Add	*35.94*	
		For Aluminum Coated, Add	*56.15*	
		For Schedule 20, Deduct	*-8.98*	
		For Schedule 80, Add	*21.95*	
32 31 13 00-0113	LF	8-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	47.99	1.51
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*11.23*	
		For Vinyl Coated, Add	*26.95*	
		For Powder Coated, Add	*35.94*	
		For Aluminum Coated, Add	*56.15*	
		For Schedule 20, Deduct	*-8.98*	
		For Schedule 80, Add	*21.87*	
32 31 13 00-0114	LF	8-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	47.57	1.29
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*11.23*	
		For Vinyl Coated, Add	*26.95*	
		For Powder Coated, Add	*35.94*	
		For Aluminum Coated, Add	*56.15*	
		For Schedule 20, Deduct	*-8.98*	
		For Schedule 80, Add	*21.83*	
32 31 13 00-0115	LF	8-5/8" Outside Diameter Galvanized Steel Post, >24' In Length	47.14	1.08
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*11.23*	
		For Vinyl Coated, Add	*26.95*	
		For Powder Coated, Add	*35.94*	
		For Aluminum Coated, Add	*56.15*	
		For Schedule 20, Deduct	*-8.98*	
		For Schedule 80, Add	*21.78*	

32 31 13 00-0116 Chain Link Fence Assemblies *(32 31 13)*

32 31 13 00-0117 Chain Link Fence Assembly With 2-1/2" Line Post And 3" Corner Posts *(32 31 13 00-0116)*

Note: Includes 2" 9 gauge coiled spring mesh (knuckled selvedge), tension bars, post tension bands, wire ties, truss rod (at corners or posts), 1-5/8" top rail, 1-5/8" bottom rail, 2-1/2" line post and 3" corner posts. Posts exclude drilling or augering in soil or rock, concrete or soil fill. Heights indicated are from ground to top of installed pole. Minimum 2' bury with up to one third of exposed post height to be buried in ground. Demolition excludes concrete footing removal on posts and excavation. See CSI section 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 00-0616 for barb wire attachments.

32 31 13 00-0118 Galvanized *(32 31 13 00-0117)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0119	LF	3' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	18.34	2.44
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*1.40*	
		For 13 Gauge Fabric, Deduct	*-3.05*	
		For 11 Gauge Fabric, Deduct	*-1.78*	
		For 6 Gauge Fabric, Add	*2.80*	
		For 1" Mesh Fabric, Add	*3.82*	
		For 1-3/4" Mesh Fabric, Add	*1.53*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.76*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.02*	
		For Posts 8' On Centers, Add	*1.03*	
		For Posts 5' On Centers, Add	*3.92*	
		For Up To 100, Add	*3.71*	
		For >100 To 250, Add	*1.40*	
		For >2,500 To 5,000, Deduct	*-0.70*	
		For >5,000, Deduct	*-1.40*	
32 31 13 00-0120	LF	3'-6" Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	19.09	2.44
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*1.44*	
		For 13 Gauge Fabric, Deduct	*-3.26*	
		For 11 Gauge Fabric, Deduct	*-1.90*	
		For 6 Gauge Fabric, Add	*2.99*	
		For 1" Mesh Fabric, Add	*4.08*	
		For 1-3/4" Mesh Fabric, Add	*1.63*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.82*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.09*	
		For Posts 8' On Centers, Add	*1.07*	
		For Posts 5' On Centers, Add	*4.07*	
		For Up To 100, Add	*3.83*	
		For >100 To 250, Add	*1.44*	
		For >2,500 To 5,000, Deduct	*-0.72*	
		For >5,000, Deduct	*-1.44*	
32 31 13 00-0121	LF	4' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	19.71	2.44
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*1.48*	
		For 13 Gauge Fabric, Deduct	*-3.43*	
		For 11 Gauge Fabric, Deduct	*-2.00*	
		For 6 Gauge Fabric, Add	*3.15*	
		For 1" Mesh Fabric, Add	*4.29*	
		For 1-3/4" Mesh Fabric, Add	*1.72*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.86*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.14*	
		For Posts 8' On Centers, Add	*1.10*	
		For Posts 5' On Centers, Add	*4.19*	
		For Up To 100, Add	*3.94*	
		For >100 To 250, Add	*1.48*	
		For >2,500 To 5,000, Deduct	*-0.74*	
		For >5,000, Deduct	*-1.48*	
32 31 13 00-0122	LF	5' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	21.23	2.44
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*1.57*	
		For 13 Gauge Fabric, Deduct	*-3.84*	
		For 11 Gauge Fabric, Deduct	*-2.25*	
		For 6 Gauge Fabric, Add	*3.53*	
		For 1" Mesh Fabric, Add	*4.81*	
		For 1-3/4" Mesh Fabric, Add	*1.92*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.96*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.28*	
		For Posts 8' On Centers, Add	*1.18*	
		For Posts 5' On Centers, Add	*4.48*	
		For Up To 100, Add	*4.20*	
		For >100 To 250, Add	*1.57*	
		For >2,500 To 5,000, Deduct	*-0.79*	
		For >5,000, Deduct	*-1.57*	
32 31 13 00-0123	LF	6' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	23.09	2.44
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*1.70*	
		For 13 Gauge Fabric, Deduct	*-4.26*	
		For 11 Gauge Fabric, Deduct	*-2.49*	
		For 6 Gauge Fabric, Add	*3.91*	
		For 1" Mesh Fabric, Add	*5.33*	
		For 1-3/4" Mesh Fabric, Add	*2.13*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.07*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.42*	
		For Posts 8' On Centers, Add	*1.28*	
		For Posts 5' On Centers, Add	*4.86*	
		For Up To 100, Add	*4.55*	
		For >100 To 250, Add	*1.70*	
		For >2,500 To 5,000, Deduct	*-0.85*	
		For >5,000, Deduct	*-1.70*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0124	LF	7' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	24.19	3.66
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*1.77*	
		For 13 Gauge Fabric, Deduct	*-4.50*	
		For 11 Gauge Fabric, Deduct	*-2.63*	
		For 6 Gauge Fabric, Add	*4.13*	
		For 1" Mesh Fabric, Add	*5.63*	
		For 1-3/4" Mesh Fabric, Add	*2.25*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.13*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.50*	
		For Posts 8' On Centers, Add	*1.34*	
		For Posts 5' On Centers, Add	*5.08*	
		For Up To 100, Add	*4.75*	
		For >100 To 250, Add	*1.77*	
		For >2,500 To 5,000, Deduct	*-0.89*	
		For >5,000, Deduct	*-1.77*	
32 31 13 00-0125	LF	8' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	27.15	4.26
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*1.96*	
		For 13 Gauge Fabric, Deduct	*-5.28*	
		For 11 Gauge Fabric, Deduct	*-3.08*	
		For 6 Gauge Fabric, Add	*4.84*	
		For 1" Mesh Fabric, Add	*6.60*	
		For 1-3/4" Mesh Fabric, Add	*2.64*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.32*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.76*	
		For Posts 8' On Centers, Add	*1.50*	
		For Posts 5' On Centers, Add	*5.67*	
		For Up To 100, Add	*5.27*	
		For >100 To 250, Add	*1.96*	
		For >2,500 To 5,000, Deduct	*-0.98*	
		For >5,000, Deduct	*-1.96*	
32 31 13 00-0126	LF	9' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	29.06	5.49
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.08*	
		For 13 Gauge Fabric, Deduct	*-5.74*	
		For 11 Gauge Fabric, Deduct	*-3.35*	
		For 6 Gauge Fabric, Add	*5.27*	
		For 1" Mesh Fabric, Add	*7.19*	
		For 1-3/4" Mesh Fabric, Add	*2.87*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.44*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.92*	
		For Posts 8' On Centers, Add	*1.60*	
		For Posts 5' On Centers, Add	*6.05*	
		For Up To 100, Add	*5.61*	
		For >100 To 250, Add	*2.08*	
		For >2,500 To 5,000, Deduct	*-1.04*	
		For >5,000, Deduct	*-2.08*	
32 31 13 00-0127	LF	10' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	30.97	6.10
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.20*	
		For 13 Gauge Fabric, Deduct	*-6.21*	
		For 11 Gauge Fabric, Deduct	*-3.63*	
		For 6 Gauge Fabric, Add	*5.70*	
		For 1" Mesh Fabric, Add	*7.77*	
		For 1-3/4" Mesh Fabric, Add	*3.11*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.55*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.07*	
		For Posts 8' On Centers, Add	*1.71*	
		For Posts 5' On Centers, Add	*6.43*	
		For Up To 100, Add	*5.96*	
		For >100 To 250, Add	*2.20*	
		For >2,500 To 5,000, Deduct	*-1.10*	
		For >5,000, Deduct	*-2.20*	
32 31 13 00-0128	LF	12' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	34.51	7.31
		For Each Additional Foot >12, Add	*3.17*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.44*	
		For 13 Gauge Fabric, Deduct	*-7.05*	
		For 11 Gauge Fabric, Deduct	*-4.12*	
		For 6 Gauge Fabric, Add	*6.48*	
		For 1" Mesh Fabric, Add	*8.83*	
		For 1-3/4" Mesh Fabric, Add	*3.53*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.77*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.35*	
		For Posts 8' On Centers, Add	*1.90*	
		For Posts 5' On Centers, Add	*7.14*	
		For Up To 100, Add	*6.60*	
		For >100 To 250, Add	*2.44*	
		For >2,500 To 5,000, Deduct	*-1.22*	
		For >5,000, Deduct	*-2.44*	

32 31 13 00-0129 Vinyl Coated *(32 31 13 00-0117)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0130	LF	4' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	20.59	2.44
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*1.61*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*1.52*	
		For 13 Gauge Fabric, Deduct	*-3.73*	
		For 11 Gauge Fabric, Deduct	*-2.18*	
		For 6 Gauge Fabric, Add	*3.43*	
		For 1" Mesh Fabric, Add	*4.67*	
		For 1-3/4" Mesh Fabric, Add	*1.87*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.93*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.25*	
		For Posts 8' On Centers, Add	*1.15*	
		For Posts 5' On Centers, Add	*4.35*	
		For Up To 100, Add	*4.07*	
		For >100 To 250, Add	*1.52*	
		For >2,500 To 5,000, Deduct	*-0.76*	
		For >5,000, Deduct	*-1.52*	
32 31 13 00-0131	LF	5' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	22.33	2.44
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*1.82*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*1.63*	
		For 13 Gauge Fabric, Deduct	*-4.23*	
		For 11 Gauge Fabric, Deduct	*-2.47*	
		For 6 Gauge Fabric, Add	*3.88*	
		For 1" Mesh Fabric, Add	*5.29*	
		For 1-3/4" Mesh Fabric, Add	*2.12*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.06*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.41*	
		For Posts 8' On Centers, Add	*1.24*	
		For Posts 5' On Centers, Add	*4.68*	
		For Up To 100, Add	*4.37*	
		For >100 To 250, Add	*1.63*	
		For >2,500 To 5,000, Deduct	*-0.81*	
		For >5,000, Deduct	*-1.63*	
32 31 13 00-0132	LF	6' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	25.35	2.44
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*2.18*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*1.81*	
		For 13 Gauge Fabric, Deduct	*-5.05*	
		For 11 Gauge Fabric, Deduct	*-2.95*	
		For 6 Gauge Fabric, Add	*4.63*	
		For 1" Mesh Fabric, Add	*6.32*	
		For 1-3/4" Mesh Fabric, Add	*2.53*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.26*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.68*	
		For Posts 8' On Centers, Add	*1.40*	
		For Posts 5' On Centers, Add	*5.27*	
		For Up To 100, Add	*4.89*	
		For >100 To 250, Add	*1.81*	
		For >2,500 To 5,000, Deduct	*-0.90*	
		For >5,000, Deduct	*-1.81*	
32 31 13 00-0133	LF	7' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	26.81	3.66
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*2.34*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*1.90*	
		For 13 Gauge Fabric, Deduct	*-5.41*	
		For 11 Gauge Fabric, Deduct	*-3.16*	
		For 6 Gauge Fabric, Add	*4.97*	
		For 1" Mesh Fabric, Add	*6.77*	
		For 1-3/4" Mesh Fabric, Add	*2.71*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.35*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.81*	
		For Posts 8' On Centers, Add	*1.48*	
		For Posts 5' On Centers, Add	*5.56*	
		For Up To 100, Add	*5.15*	
		For >100 To 250, Add	*1.90*	
		For >2,500 To 5,000, Deduct	*-0.95*	
		For >5,000, Deduct	*-1.90*	
32 31 13 00-0134	LF	8' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	30.20	4.26
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*2.73*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.11*	
		For 13 Gauge Fabric, Deduct	*-6.33*	
		For 11 Gauge Fabric, Deduct	*-3.70*	
		For 6 Gauge Fabric, Add	*5.82*	
		For 1" Mesh Fabric, Add	*7.93*	
		For 1-3/4" Mesh Fabric, Add	*3.17*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.59*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.11*	
		For Posts 8' On Centers, Add	*1.65*	
		For Posts 5' On Centers, Add	*6.21*	
		For Up To 100, Add	*5.73*	
		For >100 To 250, Add	*2.11*	
		For >2,500 To 5,000, Deduct	*-1.05*	
		For >5,000, Deduct	*-2.11*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0135	LF	9' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	32.33	5.49
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*2.97*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.24*	
		For 13 Gauge Fabric, Deduct	*-6.88*	
		For 11 Gauge Fabric, Deduct	*-4.02*	
		For 6 Gauge Fabric, Add	*6.31*	
		For 1" Mesh Fabric, Add	*8.61*	
		For 1-3/4" Mesh Fabric, Add	*3.44*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.72*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.30*	
		For Posts 8' On Centers, Add	*1.77*	
		For Posts 5' On Centers, Add	*6.63*	
		For Up To 100, Add	*6.10*	
		For >100 To 250, Add	*2.24*	
		For >2,500 To 5,000, Deduct	*-1.12*	
		For >5,000, Deduct	*-2.24*	
32 31 13 00-0136	LF	10' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	34.46	6.10
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*3.20*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.38*	
		For 13 Gauge Fabric, Deduct	*-7.42*	
		For 11 Gauge Fabric, Deduct	*-4.33*	
		For 6 Gauge Fabric, Add	*6.81*	
		For 1" Mesh Fabric, Add	*9.29*	
		For 1-3/4" Mesh Fabric, Add	*3.71*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.86*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.48*	
		For Posts 8' On Centers, Add	*1.88*	
		For Posts 5' On Centers, Add	*7.05*	
		For Up To 100, Add	*6.48*	
		For >100 To 250, Add	*2.38*	
		For >2,500 To 5,000, Deduct	*-1.19*	
		For >5,000, Deduct	*-2.38*	
32 31 13 00-0137	LF	12' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	37.59	7.31
		For Each Additional Foot >12, Add	*3.42*	
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*3.51*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.59*	
		For 13 Gauge Fabric, Deduct	*-8.12*	
		For 11 Gauge Fabric, Deduct	*-4.75*	
		For 6 Gauge Fabric, Add	*7.46*	
		For 1" Mesh Fabric, Add	*10.17*	
		For 1-3/4" Mesh Fabric, Add	*4.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.03*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.71*	
		For Posts 8' On Centers, Add	*2.05*	
		For Posts 5' On Centers, Add	*7.69*	
		For Up To 100, Add	*7.06*	
		For >100 To 250, Add	*2.59*	
		For >2,500 To 5,000, Deduct	*-1.30*	
		For >5,000, Deduct	*-2.59*	

32 31 13 00-0138 Rails *(32 31 13)*

Note: Includes rail end fittings.

32 31 13 00-0139 SS-20 Chain Link Fence Rails *(32 31 13 00-0138)*

Note: Includes tie wires.

32 31 13 00-0140	LF	1-3/8" Galvanized Steel Rail, 0.08" Wall Thickness, Tie Wires And Fittings	3.09	0.79
		For SS15, Deduct	*-0.15*	
		For SS40, Add	*0.36*	
32 31 13 00-0141	LF	1-3/8" Vinyl Coated Rail, 0.08" Wall Thickness, Tie Wires And Fittings	3.58	0.79
		For SS40, Add	*0.19*	
		For Powder Coated, Add	*0.39*	
		For Aluminum Coated, Add	*0.78*	
32 31 13 00-0142	LF	1-5/8" Galvanized Steel Rail, 0.085" Wall Thickness, Tie Wires And Fittings	3.72	0.90
		For SS15, Deduct	*-0.19*	
		For SS40, Add	*0.48*	
32 31 13 00-0143	LF	1-5/8" Vinyl Coated Rail, 0.085" Wall Thickness, Tie Wires And Fittings	4.37	0.90
		For SS40, Add	*0.26*	
		For Powder Coated, Add	*0.52*	
		For Aluminum Coated, Add	*1.03*	
32 31 13 00-0144	LF	2" Galvanized Steel Rail, 0.09" Wall Thickness, Tie Wires And Fittings	4.33	1.01
		For SS40, Add	*0.58*	
32 31 13 00-0145	LF	2" Vinyl Coated Rail, 0.09" Wall Thickness, Tie Wires And Fittings	5.11	1.01
		For SS40, Add	*0.31*	
		For Powder Coated, Add	*0.62*	
		For Aluminum Coated, Add	*1.24*	

32 31 13 00-0146 Fabric *(32 31 13)*

32 31 13 00-0147 Fabric, Galvanized Chain Link *(32 31 13 00-0146)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0148	LF	3' Full Height Fabric Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	6.83	1.44
		For 2 Oz Galvanized Coating, Add	*0.54*	
		For 13 Gauge Fabric, Deduct	*-0.98*	
		For 11 Gauge Fabric, Deduct	*-0.54*	
		For 6 Gauge Fabric, Add	*1.74*	
		For 1" Mesh Fabric, Add	*1.63*	
		For 1-3/4" Mesh Fabric, Add	*0.65*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.33*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.43*	
32 31 13 00-0149	LF	3'-6" Full Height Fabric Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	7.55	1.61
		For 2 Oz Galvanized Coating, Add	*0.63*	
		For 13 Gauge Fabric, Deduct	*-1.14*	
		For 11 Gauge Fabric, Deduct	*-0.63*	
		For 6 Gauge Fabric, Add	*2.02*	
		For 1" Mesh Fabric, Add	*1.90*	
		For 1-3/4" Mesh Fabric, Add	*0.76*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.38*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.51*	
32 31 13 00-0150	LF	4' Full Height Fabric Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	8.15	1.79
		For 2 Oz Galvanized Coating, Add	*0.70*	
		For 13 Gauge Fabric, Deduct	*-1.25*	
		For 11 Gauge Fabric, Deduct	*-0.70*	
		For 6 Gauge Fabric, Add	*2.22*	
		For 1" Mesh Fabric, Add	*2.09*	
		For 1-3/4" Mesh Fabric, Add	*0.83*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.42*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.56*	
32 31 13 00-0151	LF	5' Full Height Fabric Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	9.20	2.15
		For 2 Oz Galvanized Coating, Add	*0.87*	
		For 13 Gauge Fabric, Deduct	*-1.56*	
		For 11 Gauge Fabric, Deduct	*-0.87*	
		For 6 Gauge Fabric, Add	*2.77*	
		For 1" Mesh Fabric, Add	*2.60*	
		For 1-3/4" Mesh Fabric, Add	*1.04*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.52*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.69*	
32 31 13 00-0152	LF	6' Full Height Fabric Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	10.31	2.51
		For 2 Oz Galvanized Coating, Add	*1.04*	
		For 13 Gauge Fabric, Deduct	*-1.87*	
		For 11 Gauge Fabric, Deduct	*-1.04*	
		For 6 Gauge Fabric, Add	*3.33*	
		For 1" Mesh Fabric, Add	*3.12*	
		For 1-3/4" Mesh Fabric, Add	*1.25*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.62*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.83*	
32 31 13 00-0153	LF	7' Full Height Fabric Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	11.47	2.87
		For 2 Oz Galvanized Coating, Add	*1.21*	
		For 13 Gauge Fabric, Deduct	*-2.18*	
		For 11 Gauge Fabric, Deduct	*-1.21*	
		For 6 Gauge Fabric, Add	*3.88*	
		For 1" Mesh Fabric, Add	*3.64*	
		For 1-3/4" Mesh Fabric, Add	*1.46*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.73*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.97*	
32 31 13 00-0154	LF	8' Full Height Fabric Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	12.72	3.58
		For 2 Oz Galvanized Coating, Add	*1.39*	
		For 13 Gauge Fabric, Deduct	*-2.49*	
		For 11 Gauge Fabric, Deduct	*-1.39*	
		For 6 Gauge Fabric, Add	*4.43*	
		For 1" Mesh Fabric, Add	*4.16*	
		For 1-3/4" Mesh Fabric, Add	*1.66*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.83*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.11*	
32 31 13 00-0155	LF	10' Full Height Fabric Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	15.11	3.95
		For 2 Oz Galvanized Coating, Add	*1.80*	
		For 13 Gauge Fabric, Deduct	*-3.24*	
		For 11 Gauge Fabric, Deduct	*-1.80*	
		For 6 Gauge Fabric, Add	*5.76*	
		For 1" Mesh Fabric, Add	*5.40*	
		For 1-3/4" Mesh Fabric, Add	*2.16*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.08*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.44*	
32 31 13 00-0156	LF	12' Full Height Fabric Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	17.24	4.31
		For 2 Oz Galvanized Coating, Add	*2.16*	
		For 13 Gauge Fabric, Deduct	*-3.88*	
		For 11 Gauge Fabric, Deduct	*-2.16*	
		For 6 Gauge Fabric, Add	*6.90*	
		For 1" Mesh Fabric, Add	*6.47*	
		For 1-3/4" Mesh Fabric, Add	*2.59*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.29*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0157	LF	14' Full Height Fabric Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	19.32	5.02
		For 2 Oz Galvanized Coating, Add	*2.32*	
		For 13 Gauge Fabric, Deduct	*-4.17*	
		For 11 Gauge Fabric, Deduct	*-2.32*	
		For 6 Gauge Fabric, Add	*7.42*	
		For 1" Mesh Fabric, Add	*6.95*	
		For 1-3/4" Mesh Fabric, Add	*2.78*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.39*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.85*	
32 31 13 00-0158	LF	16' Full Height Fabric Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	21.38	5.74
		For 2 Oz Galvanized Coating, Add	*2.48*	
		For 13 Gauge Fabric, Deduct	*-4.46*	
		For 11 Gauge Fabric, Deduct	*-2.48*	
		For 6 Gauge Fabric, Add	*7.93*	
		For 1" Mesh Fabric, Add	*7.43*	
		For 1-3/4" Mesh Fabric, Add	*2.97*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.49*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.98*	

32 31 13 00-0159 Fabric, Vinyl Coated Chain Link *(32 31 13 00-0146)*

32 31 13 00-0160	LF	4' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	9.03	1.44
		For 13 Gauge Fabric, Deduct	*-1.65*	
		For 11 Gauge Fabric, Deduct	*-0.92*	
		For 6 Gauge Fabric, Add	*2.93*	
		For 1" Mesh Fabric, Add	*2.75*	
		For 1-3/4" Mesh Fabric, Add	*1.10*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.55*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.73*	
		For Aluminum Coated, Add	*1.46*	
32 31 13 00-0161	LF	5' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	10.31	2.15
		For 13 Gauge Fabric, Deduct	*-2.06*	
		For 11 Gauge Fabric, Deduct	*-1.14*	
		For 6 Gauge Fabric, Add	*3.66*	
		For 1" Mesh Fabric, Add	*3.43*	
		For 1-3/4" Mesh Fabric, Add	*1.37*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.69*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.91*	
		For Aluminum Coated, Add	*1.83*	
32 31 13 00-0162	LF	6' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	12.56	2.51
		For 13 Gauge Fabric, Deduct	*-2.88*	
		For 11 Gauge Fabric, Deduct	*-1.60*	
		For 6 Gauge Fabric, Add	*5.13*	
		For 1" Mesh Fabric, Add	*4.81*	
		For 1-3/4" Mesh Fabric, Add	*1.92*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.96*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.28*	
		For Aluminum Coated, Add	*2.56*	
32 31 13 00-0163	LF	7' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	14.08	2.87
		For 13 Gauge Fabric, Deduct	*-3.36*	
		For 11 Gauge Fabric, Deduct	*-1.87*	
		For 6 Gauge Fabric, Add	*5.97*	
		For 1" Mesh Fabric, Add	*5.60*	
		For 1-3/4" Mesh Fabric, Add	*2.24*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.12*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.49*	
		For Aluminum Coated, Add	*2.98*	
32 31 13 00-0164	LF	8' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	15.77	3.58
		For 13 Gauge Fabric, Deduct	*-3.87*	
		For 11 Gauge Fabric, Deduct	*-2.15*	
		For 6 Gauge Fabric, Add	*6.87*	
		For 1" Mesh Fabric, Add	*6.44*	
		For 1-3/4" Mesh Fabric, Add	*2.58*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.29*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.72*	
		For Aluminum Coated, Add	*3.44*	
32 31 13 00-0165	LF	10' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	18.61	3.95
		For 13 Gauge Fabric, Deduct	*-4.82*	
		For 11 Gauge Fabric, Deduct	*-2.68*	
		For 6 Gauge Fabric, Add	*8.56*	
		For 1" Mesh Fabric, Add	*8.03*	
		For 1-3/4" Mesh Fabric, Add	*3.21*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.61*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.14*	
		For Aluminum Coated, Add	*4.28*	
32 31 13 00-0166	LF	12' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	20.31	4.31
		For 13 Gauge Fabric, Deduct	*-5.27*	
		For 11 Gauge Fabric, Deduct	*-2.93*	
		For 6 Gauge Fabric, Add	*9.36*	
		For 1" Mesh Fabric, Add	*8.78*	
		For 1-3/4" Mesh Fabric, Add	*3.51*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.76*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.34*	
		For Aluminum Coated, Add	*4.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0167	LF	14' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	22.93	5.02
		For 13 Gauge Fabric, Deduct	*-5.80*	
		For 11 Gauge Fabric, Deduct	*-3.22*	
		For 6 Gauge Fabric, Add	*10.30*	
		For 1" Mesh Fabric, Add	*9.66*	
		For 1-3/4" Mesh Fabric, Add	*3.86*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.93*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.58*	
		For Aluminum Coated, Add	*5.15*	
32 31 13 00-0168	LF	16' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	25.58	5.74
		For 13 Gauge Fabric, Deduct	*-6.35*	
		For 11 Gauge Fabric, Deduct	*-3.53*	
		For 6 Gauge Fabric, Add	*11.29*	
		For 1" Mesh Fabric, Add	*10.58*	
		For 1-3/4" Mesh Fabric, Add	*4.23*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.12*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.82*	
		For Aluminum Coated, Add	*5.64*	

32 31 13 00-0169 Fabric, Aluminized Steel Chain Link *(32 31 13 00-0146)*

32 31 13 00-0170	LF	3' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	6.74	1.44
		For 6 Gauge Fabric, Add	*1.66*	
		For 1" Mesh Fabric, Add	*2.18*	
32 31 13 00-0171	LF	3'-6" Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	7.44	1.61
		For 6 Gauge Fabric, Add	*1.94*	
		For 1" Mesh Fabric, Add	*2.54*	
32 31 13 00-0172	LF	4' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	8.14	1.79
		For 6 Gauge Fabric, Add	*2.22*	
		For 1" Mesh Fabric, Add	*2.91*	
32 31 13 00-0173	LF	5' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	9.20	2.15
		For 6 Gauge Fabric, Add	*2.77*	
		For 1" Mesh Fabric, Add	*3.63*	
32 31 13 00-0174	LF	6' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	10.28	2.51
		For 6 Gauge Fabric, Add	*3.30*	
		For 1" Mesh Fabric, Add	*4.34*	
32 31 13 00-0175	LF	7' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	11.45	2.87
		For 6 Gauge Fabric, Add	*3.86*	
		For 1" Mesh Fabric, Add	*5.07*	
32 31 13 00-0176	LF	8' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	12.70	3.58
		For 6 Gauge Fabric, Add	*4.42*	
		For 1" Mesh Fabric, Add	*5.80*	
32 31 13 00-0177	LF	10' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	14.81	3.95
		For 6 Gauge Fabric, Add	*5.52*	
		For 1" Mesh Fabric, Add	*7.25*	
32 31 13 00-0178	LF	12' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	16.89	4.31
		For 6 Gauge Fabric, Add	*6.62*	
		For 1" Mesh Fabric, Add	*8.69*	

32 31 13 00-0179 Fabric, All Aluminum Chain Link *(32 31 13 00-0146)*

32 31 13 00-0180	LF	3' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	10.10	1.44
		For 6 Gauge Fabric, Add	*4.35*	
		For 1" Mesh Fabric, Add	*5.71*	
32 31 13 00-0181	LF	3'-6" Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	11.36	1.61
		For 6 Gauge Fabric, Add	*5.07*	
		For 1" Mesh Fabric, Add	*6.66*	
32 31 13 00-0182	LF	4' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	12.62	1.79
		For 6 Gauge Fabric, Add	*5.80*	
		For 1" Mesh Fabric, Add	*7.61*	
32 31 13 00-0183	LF	5' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	14.80	2.15
		For 6 Gauge Fabric, Add	*7.25*	
		For 1" Mesh Fabric, Add	*9.51*	
32 31 13 00-0184	LF	6' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	17.03	2.51
		For 6 Gauge Fabric, Add	*8.70*	
		For 1" Mesh Fabric, Add	*11.42*	
32 31 13 00-0185	LF	7' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	19.31	2.87
		For 6 Gauge Fabric, Add	*10.15*	
		For 1" Mesh Fabric, Add	*13.32*	
32 31 13 00-0186	LF	8' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	21.68	3.58
		For 6 Gauge Fabric, Add	*11.60*	
		For 1" Mesh Fabric, Add	*15.23*	
32 31 13 00-0187	LF	10' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	26.03	3.95
		For 6 Gauge Fabric, Add	*14.50*	
		For 1" Mesh Fabric, Add	*19.03*	
32 31 13 00-0188	LF	12' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	30.36	4.31
		For 6 Gauge Fabric, Add	*17.40*	
		For 1" Mesh Fabric, Add	*22.84*	

32 31 13 00-0189 Fence Inserts *(32 31 13 00-0146)*

Note: For use with new or existing chain link fence, per lf of fence.

32 31 13 00-0190 Vinyl Plastic Fence Inserts *(32 31 13 00-0189)*

Note: Assorted colors.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0191	LF	3' High Fence, Vinyl Plastic Fence Insert	5.55	
32 31 13 00-0192	LF	3-1/2' High Fence, Vinyl Plastic Fence Insert	6.38	
32 31 13 00-0193	LF	4' High Fence, Vinyl Plastic Fence Insert	7.04	
32 31 13 00-0194	LF	5' High Fence, Vinyl Plastic Fence Insert	8.82	
32 31 13 00-0195	LF	6' High Fence, Vinyl Plastic Fence Insert	10.56	
32 31 13 00-0196	LF	7' High Fence, Vinyl Plastic Fence Insert	12.34	
32 31 13 00-0197	LF	8' High Fence, Vinyl Plastic Fence Insert	14.07	
32 31 13 00-0198	LF	10' High Fence, Vinyl Plastic Fence Insert	16.52	
32 31 13 00-0199		Aluminum Fence Inserts *(32 31 13 00-0189)*		
		Note: Assorted colors.		
32 31 13 00-0200	LF	3' High Fence, Aluminum Fence Insert	11.89	
32 31 13 00-0201	LF	3-1/2' High Fence, Aluminum Fence Insert	13.18	
32 31 13 00-0202	LF	4' High Fence, Aluminum Fence Insert	15.46	
32 31 13 00-0203	LF	5' High Fence, Aluminum Fence Insert	19.38	
32 31 13 00-0204	LF	6' High Fence, Aluminum Fence Insert	23.24	
32 31 13 00-0205	LF	7' High Fence, Aluminum Fence Insert	25.84	
32 31 13 00-0206	LF	8' High Fence, Aluminum Fence Insert	30.98	
32 31 13 00-0207	LF	10' High Fence, Aluminum Fence Insert	37.72	
32 31 13 00-0208		Redwood Fence Inserts *(32 31 13 00-0189)*		
32 31 13 00-0209	LF	4' High Fence, Redwood Fence Insert	10.56	
32 31 13 00-0210	LF	5' High Fence, Redwood Fence Insert	13.36	
32 31 13 00-0211	LF	6' High Fence, Redwood Fence Insert	16.05	
32 31 13 00-0212	LF	7' High Fence, Redwood Fence Insert	18.68	
32 31 13 00-0213	LF	8' High Fence, Redwood Fence Insert	21.38	
32 31 13 00-0214		Diagonal Flexible Polyethylene Inserts *(32 31 13 00-0189)*		
32 31 13 00-0215	SF	Diagonal Polyethylene Fence Weave	2.37	
32 31 13 00-0216		Hedge Link Fence Inserts *(32 31 13 00-0189)*		
32 31 13 00-0217	LF	3' High Fence, Hedge Link Fence Insert	12.01	
32 31 13 00-0218	LF	3-1/2' High Fence, Hedge Link Fence Insert	13.68	
32 31 13 00-0219	LF	4' High Fence, Hedge Link Fence Insert	16.20	
32 31 13 00-0220	LF	5' High Fence, Hedge Link Fence Insert	20.04	
32 31 13 00-0221	LF	6' High Fence, Hedge Link Fence Insert	23.08	
32 31 13 00-0222	LF	7' High Fence, Hedge Link Fence Insert	28.82	
32 31 13 00-0223	LF	8' High Fence, Hedge Link Fence Insert	32.75	
32 31 13 00-0224	LF	10' High Fence, Hedge Link Fence Insert	38.97	
32 31 13 00-0225	LF	12' High Fence, Hedge Link Fence Insert	44.65	
32 31 13 00-0226		Fence Windscreen Fabric *(32 31 13 00-0146)*		
		Note: Includes plastic wire clips.		
32 31 13 00-0227	SF	Vinyl Coated Polyester Windscreen For Fence, 7 Oz Per SY	1.78	
		For Sewn Boxed Vent (Each), Add	*14.03*	
		For Welded Boxed Vent (Each), Add	*7.02*	
		For 4' x 4' One Color Logo (Each), Add	*292.32*	
32 31 13 00-0228		Non-Climbable Fabric, Galvanized Chain Link *(32 31 13 00-0146)*		
32 31 13 00-0229	LF	3' Non-Climbable Fabric Chain Link #9 Gauge, 3/8" Mesh	17.07	1.44
		For 11 Gauge, Deduct	*-2.48*	
		For 10 Gauge, Deduct	*-0.99*	
		For 7 Gauge, Add	*1.49*	
		For 6 Gauge, Add	*3.47*	
		For 1/2" Mesh Fabric, Deduct	*-0.62*	
		For 5/8" Mesh Fabric, Deduct	*-1.37*	
		For 3/4" Mesh Fabric, Deduct	*-1.99*	
32 31 13 00-0230	LF	3'-6" Non-Climbable Fabric Chain Link #9 Gauge, 3/8" Mesh	19.50	1.61
		For 11 Gauge, Deduct	*-2.90*	
		For 10 Gauge, Deduct	*-1.16*	
		For 7 Gauge, Add	*1.74*	
		For 6 Gauge, Add	*4.05*	
		For 1/2" Mesh Fabric, Deduct	*-0.72*	
		For 5/8" Mesh Fabric, Deduct	*-1.59*	
		For 3/4" Mesh Fabric, Deduct	*-2.32*	
32 31 13 00-0231	LF	4' Non-Climbable Fabric Chain Link #9 Gauge, 3/8" Mesh	21.93	1.79
		For 11 Gauge, Deduct	*-3.31*	
		For 10 Gauge, Deduct	*-1.32*	
		For 7 Gauge, Add	*1.99*	
		For 6 Gauge, Add	*4.64*	
		For 1/2" Mesh Fabric, Deduct	*-0.83*	
		For 5/8" Mesh Fabric, Deduct	*-1.82*	
		For 3/4" Mesh Fabric, Deduct	*-2.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0232	LF	5' Non-Climbable Fabric Chain Link #9 Gauge, 3/8" Mesh	26.43	2.15
		For 11 Gauge, Deduct	*-4.14*	
		For 10 Gauge, Deduct	*-1.66*	
		For 7 Gauge, Add	*2.48*	
		For 6 Gauge, Add	*5.79*	
		For 1/2" Mesh Fabric, Deduct	*-1.03*	
		For 5/8" Mesh Fabric, Deduct	*-2.28*	
		For 3/4" Mesh Fabric, Deduct	*-3.31*	
32 31 13 00-0233	LF	6' Non-Climbable Fabric Chain Link #9 Gauge, 3/8" Mesh	30.97	2.51
		For 11 Gauge, Deduct	*-4.96*	
		For 10 Gauge, Deduct	*-1.99*	
		For 7 Gauge, Add	*2.98*	
		For 6 Gauge, Add	*6.95*	
		For 1/2" Mesh Fabric, Deduct	*-1.24*	
		For 5/8" Mesh Fabric, Deduct	*-2.73*	
		For 3/4" Mesh Fabric, Deduct	*-3.97*	
32 31 13 00-0234	LF	7' Non-Climbable Fabric Chain Link #9 Gauge, 3/8" Mesh	35.58	2.87
		For 11 Gauge, Deduct	*-5.79*	
		For 10 Gauge, Deduct	*-2.32*	
		For 7 Gauge, Add	*3.48*	
		For 6 Gauge, Add	*8.11*	
		For 1/2" Mesh Fabric, Deduct	*-1.45*	
		For 5/8" Mesh Fabric, Deduct	*-3.19*	
		For 3/4" Mesh Fabric, Deduct	*-4.63*	
32 31 13 00-0235	LF	8' Non-Climbable Fabric Chain Link #9 Gauge, 3/8" Mesh	40.28	3.58
		For 11 Gauge, Deduct	*-6.62*	
		For 10 Gauge, Deduct	*-2.65*	
		For 7 Gauge, Add	*3.97*	
		For 6 Gauge, Add	*9.27*	
		For 1/2" Mesh Fabric, Deduct	*-1.66*	
		For 5/8" Mesh Fabric, Deduct	*-3.64*	
		For 3/4" Mesh Fabric, Deduct	*-5.30*	
32 31 13 00-0236	LF	9' Non-Climbable Fabric Chain Link #9 Gauge, 3/8" Mesh	44.38	3.76
		For 11 Gauge, Deduct	*-7.37*	
		For 10 Gauge, Deduct	*-2.95*	
		For 7 Gauge, Add	*4.42*	
		For 6 Gauge, Add	*10.32*	
		For 1/2" Mesh Fabric, Deduct	*-1.84*	
		For 5/8" Mesh Fabric, Deduct	*-4.05*	
		For 3/4" Mesh Fabric, Deduct	*-5.90*	
32 31 13 00-0237	LF	10' Non-Climbable Fabric Chain Link #9 Gauge, 3/8" Mesh	48.50	3.95
		For 11 Gauge, Deduct	*-8.12*	
		For 10 Gauge, Deduct	*-3.25*	
		For 7 Gauge, Add	*4.87*	
		For 6 Gauge, Add	*11.37*	
		For 1/2" Mesh Fabric, Deduct	*-2.03*	
		For 5/8" Mesh Fabric, Deduct	*-4.46*	
		For 3/4" Mesh Fabric, Deduct	*-6.49*	
32 31 13 00-0238	LF	12' Non-Climbable Fabric Chain Link #9 Gauge, 3/8" Mesh	52.61	4.31
		For 11 Gauge, Deduct	*-8.80*	
		For 10 Gauge, Deduct	*-3.52*	
		For 7 Gauge, Add	*5.28*	
		For 6 Gauge, Add	*12.32*	
		For 1/2" Mesh Fabric, Deduct	*-2.20*	
		For 5/8" Mesh Fabric, Deduct	*-4.84*	
		For 3/4" Mesh Fabric, Deduct	*-7.04*	

32 31 13 00-0239 Gates *(32 31 13)*

Note: Posts exclude drilling or augering in soil or rock. For barbed wire attached directly to posts and gates, select gates and posts sizes for full finished height of gate above grade (top rail to be at lower height, includes barb wire at top area where mesh would be). See CSI section 08 79 00 00-0001 for padlocks, 08 79 00 00-0002 for padlocks.

32 31 13 00-0240 Galvanized Steel Without Barbed Wire *(32 31 13 00-0239)*

Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter to 13' wide, 6-5/8" diameter for 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.

32 31 13 00-0241 4' Fence Height *(32 31 13 00-0240)*

32 31 13 00-0242	EA	3' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	163.75	18.39
		For Gate With Single Barb Wire Arm, Add	*11.69*	
		For Gate With Double Barb Wire Arm, Add	*17.00*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-19.93*	
		For Aluminized Steel Gate And Post, Add	*51.01*	
		For Powder Coated Gate And Post, Add	*27.63*	
32 31 13 00-0243	EA	4' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	199.18	19.16
		For Gate With Single Barb Wire Arm, Add	*15.59*	
		For Gate With Double Barb Wire Arm, Add	*22.67*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-26.57*	
		For Aluminized Steel Gate And Post, Add	*68.02*	
		For Powder Coated Gate And Post, Add	*36.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0244	EA	5' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	232.39	20.38
		For Gate With Single Barb Wire Arm, Add	*18.82*	
		For Gate With Double Barb Wire Arm, Add	*27.37*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-32.08*	
		For Aluminized Steel Gate And Post, Add	*82.12*	
		For Powder Coated Gate And Post, Add	*44.48*	
32 31 13 00-0245	EA	6' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	274.05	24.52
		For Gate With Single Barb Wire Arm, Add	*22.05*	
		For Gate With Double Barb Wire Arm, Add	*32.08*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-37.59*	
		For Aluminized Steel Gate And Post, Add	*96.23*	
		For Powder Coated Gate And Post, Add	*52.12*	
32 31 13 00-0246	EA	7' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	315.68	28.58
		For Gate With Single Barb Wire Arm, Add	*25.28*	
		For Gate With Double Barb Wire Arm, Add	*36.78*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-43.10*	
		For Aluminized Steel Gate And Post, Add	*110.33*	
		For Powder Coated Gate And Post, Add	*59.76*	
32 31 13 00-0247	EA	8' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	358.53	32.65
		For Gate With Single Barb Wire Arm, Add	*28.65*	
		For Gate With Double Barb Wire Arm, Add	*41.67*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-48.83*	
		For Aluminized Steel Gate And Post, Add	*125.01*	
		For Powder Coated Gate And Post, Add	*67.71*	
32 31 13 00-0248	EA	9' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	400.16	36.78
		For Gate With Single Barb Wire Arm, Add	*31.88*	
		For Gate With Double Barb Wire Arm, Add	*46.37*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-54.34*	
		For Aluminized Steel Gate And Post, Add	*139.11*	
		For Powder Coated Gate And Post, Add	*75.35*	
32 31 13 00-0249	EA	10' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	442.31	40.84
		For Gate With Single Barb Wire Arm, Add	*35.17*	
		For Gate With Double Barb Wire Arm, Add	*51.16*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-59.95*	
		For Aluminized Steel Gate And Post, Add	*153.47*	
		For Powder Coated Gate And Post, Add	*83.13*	
32 31 13 00-0250	EA	10' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	547.74	40.84
		For Gate With Single Barb Wire Arm, Add	*46.77*	
		For Gate With Double Barb Wire Arm, Add	*68.02*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-79.71*	
		For Aluminized Steel Gate And Post, Add	*204.07*	
		For Powder Coated Gate And Post, Add	*110.54*	
32 31 13 00-0251	EA	12' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	641.52	43.75
		For Gate With Single Barb Wire Arm, Add	*56.12*	
		For Gate With Double Barb Wire Arm, Add	*81.63*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-95.66*	
		For Aluminized Steel Gate And Post, Add	*244.88*	
		For Powder Coated Gate And Post, Add	*132.64*	
32 31 13 00-0252	EA	14' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	736.66	47.13
		For Gate With Single Barb Wire Arm, Add	*65.47*	
		For Gate With Double Barb Wire Arm, Add	*95.23*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-111.60*	
		For Aluminized Steel Gate And Post, Add	*285.69*	
		For Powder Coated Gate And Post, Add	*154.75*	
32 31 13 00-0253	EA	16' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	833.47	51.04
		For Gate With Single Barb Wire Arm, Add	*74.82*	
		For Gate With Double Barb Wire Arm, Add	*108.84*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-127.54*	
		For Aluminized Steel Gate And Post, Add	*326.51*	
		For Powder Coated Gate And Post, Add	*176.86*	
32 31 13 00-0254	EA	18' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	949.04	61.16
		For Gate With Single Barb Wire Arm, Add	*84.18*	
		For Gate With Double Barb Wire Arm, Add	*122.44*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-143.48*	
		For Aluminized Steel Gate And Post, Add	*367.32*	
		For Powder Coated Gate And Post, Add	*198.97*	
32 31 13 00-0255	EA	20' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,047.19	65.56
		For Gate With Single Barb Wire Arm, Add	*93.53*	
		For Gate With Double Barb Wire Arm, Add	*136.04*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-159.43*	
		For Aluminized Steel Gate And Post, Add	*408.13*	
		For Powder Coated Gate And Post, Add	*221.07*	
32 31 13 00-0256	EA	22' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,145.30	70.65
		For Gate With Single Barb Wire Arm, Add	*102.66*	
		For Gate With Double Barb Wire Arm, Add	*149.32*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-174.98*	
		For Aluminized Steel Gate And Post, Add	*447.95*	
		For Powder Coated Gate And Post, Add	*242.64*	
32 31 13 00-0257	EA	24' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,245.93	76.50
		For Gate With Single Barb Wire Arm, Add	*111.78*	
		For Gate With Double Barb Wire Arm, Add	*162.59*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-190.53*	
		For Aluminized Steel Gate And Post, Add	*487.77*	
		For Powder Coated Gate And Post, Add	*264.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0258	EA	26' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,349.77	83.48
		For Gate With Single Barb Wire Arm, Add	*120.91*	
		For Gate With Double Barb Wire Arm, Add	*175.86*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-206.09*	
		For Aluminized Steel Gate And Post, Add	*527.59*	
		For Powder Coated Gate And Post, Add	*285.78*	
32 31 13 00-0259	EA	28' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,426.67	91.84
		For Gate With Single Barb Wire Arm, Add	*126.61*	
		For Gate With Double Barb Wire Arm, Add	*184.16*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-215.81*	
		For Aluminized Steel Gate And Post, Add	*552.47*	
		For Powder Coated Gate And Post, Add	*299.25*	
32 31 13 00-0260	EA	30' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,581.73	102.00
		For Gate With Single Barb Wire Arm, Add	*140.30*	
		For Gate With Double Barb Wire Arm, Add	*204.07*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-239.14*	
		For Aluminized Steel Gate And Post, Add	*612.20*	
		For Powder Coated Gate And Post, Add	*331.61*	
32 31 13 00-0261		5' Fence Height *(32 31 13 00-0240)*		
32 31 13 00-0262	EA	3' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	192.64	20.38
		For Gate With Single Barb Wire Arm, Add	*14.45*	
		For Gate With Double Barb Wire Arm, Add	*21.01*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-24.63*	
		For Aluminized Steel Gate And Post, Add	*63.04*	
		For Powder Coated Gate And Post, Add	*34.15*	
32 31 13 00-0263	EA	4' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	235.85	20.38
		For Gate With Single Barb Wire Arm, Add	*19.20*	
		For Gate With Double Barb Wire Arm, Add	*27.93*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-32.73*	
		For Aluminized Steel Gate And Post, Add	*83.78*	
		For Powder Coated Gate And Post, Add	*45.38*	
32 31 13 00-0264	EA	5' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	272.53	21.69
		For Gate With Single Barb Wire Arm, Add	*22.81*	
		For Gate With Double Barb Wire Arm, Add	*33.18*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-38.88*	
		For Aluminized Steel Gate And Post, Add	*99.54*	
		For Powder Coated Gate And Post, Add	*53.92*	
32 31 13 00-0265	EA	6' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	320.12	26.06
		For Gate With Single Barb Wire Arm, Add	*26.61*	
		For Gate With Double Barb Wire Arm, Add	*38.71*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-45.37*	
		For Aluminized Steel Gate And Post, Add	*116.14*	
		For Powder Coated Gate And Post, Add	*62.91*	
32 31 13 00-0266	EA	7' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	364.24	30.34
		For Gate With Single Barb Wire Arm, Add	*30.04*	
		For Gate With Double Barb Wire Arm, Add	*43.69*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-51.20*	
		For Aluminized Steel Gate And Post, Add	*131.07*	
		For Powder Coated Gate And Post, Add	*71.00*	
32 31 13 00-0267	EA	8' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	412.61	34.94
		For Gate With Single Barb Wire Arm, Add	*33.84*	
		For Gate With Double Barb Wire Arm, Add	*49.22*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-57.68*	
		For Aluminized Steel Gate And Post, Add	*147.66*	
		For Powder Coated Gate And Post, Add	*79.98*	
32 31 13 00-0268	EA	9' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	458.47	39.31
		For Gate With Single Barb Wire Arm, Add	*37.45*	
		For Gate With Double Barb Wire Arm, Add	*54.47*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-63.84*	
		For Aluminized Steel Gate And Post, Add	*163.42*	
		For Powder Coated Gate And Post, Add	*88.52*	
32 31 13 00-0269	EA	10' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	504.33	43.60
		For Gate With Single Barb Wire Arm, Add	*41.06*	
		For Gate With Double Barb Wire Arm, Add	*59.73*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-69.99*	
		For Aluminized Steel Gate And Post, Add	*179.18*	
		For Powder Coated Gate And Post, Add	*97.06*	
32 31 13 00-0270	EA	10' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	658.12	43.75
		For Gate With Single Barb Wire Arm, Add	*57.94*	
		For Gate With Double Barb Wire Arm, Add	*84.28*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-98.77*	
		For Aluminized Steel Gate And Post, Add	*252.84*	
		For Powder Coated Gate And Post, Add	*136.96*	
32 31 13 00-0271	EA	12' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	773.99	47.13
		For Gate With Single Barb Wire Arm, Add	*69.58*	
		For Gate With Double Barb Wire Arm, Add	*101.20*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-118.60*	
		For Aluminized Steel Gate And Post, Add	*303.61*	
		For Powder Coated Gate And Post, Add	*164.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0272	EA	14' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	891.54	51.04
		For Gate With Single Barb Wire Arm, Add	*81.21*	
		For Gate With Double Barb Wire Arm, Add	*118.13*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-138.43*	
		For Aluminized Steel Gate And Post, Add	*354.38*	
		For Powder Coated Gate And Post, Add	*191.96*	
32 31 13 00-0273	EA	16' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,027.84	61.16
		For Gate With Single Barb Wire Arm, Add	*92.85*	
		For Gate With Double Barb Wire Arm, Add	*135.05*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-158.26*	
		For Aluminized Steel Gate And Post, Add	*405.14*	
		For Powder Coated Gate And Post, Add	*219.45*	
32 31 13 00-0274	EA	18' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,144.66	65.56
		For Gate With Single Barb Wire Arm, Add	*104.25*	
		For Gate With Double Barb Wire Arm, Add	*151.64*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-177.70*	
		For Aluminized Steel Gate And Post, Add	*454.92*	
		For Powder Coated Gate And Post, Add	*246.41*	
32 31 13 00-0275	EA	20' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,267.65	70.65
		For Gate With Single Barb Wire Arm, Add	*116.11*	
		For Gate With Double Barb Wire Arm, Add	*168.89*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-197.92*	
		For Aluminized Steel Gate And Post, Add	*506.68*	
		For Powder Coated Gate And Post, Add	*274.45*	
32 31 13 00-0276	EA	22' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,391.10	76.50
		For Gate With Single Barb Wire Arm, Add	*127.75*	
		For Gate With Double Barb Wire Arm, Add	*185.82*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-217.75*	
		For Aluminized Steel Gate And Post, Add	*557.45*	
		For Powder Coated Gate And Post, Add	*301.95*	
32 31 13 00-0277	EA	24' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,515.67	83.48
		For Gate With Single Barb Wire Arm, Add	*139.15*	
		For Gate With Double Barb Wire Arm, Add	*202.41*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-237.20*	
		For Aluminized Steel Gate And Post, Add	*607.22*	
		For Powder Coated Gate And Post, Add	*328.91*	
32 31 13 00-0278	EA	26' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,648.57	91.84
		For Gate With Single Barb Wire Arm, Add	*151.02*	
		For Gate With Double Barb Wire Arm, Add	*219.66*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-257.42*	
		For Aluminized Steel Gate And Post, Add	*658.98*	
		For Powder Coated Gate And Post, Add	*356.95*	
32 31 13 00-0279	EA	28' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,783.66	102.00
		For Gate With Single Barb Wire Arm, Add	*162.51*	
		For Gate With Double Barb Wire Arm, Add	*236.37*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-277.00*	
		For Aluminized Steel Gate And Post, Add	*709.12*	
		For Powder Coated Gate And Post, Add	*384.11*	
32 31 13 00-0280	EA	30' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,924.88	114.76
		For Gate With Single Barb Wire Arm, Add	*173.83*	
		For Gate With Double Barb Wire Arm, Add	*252.84*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-296.30*	
		For Aluminized Steel Gate And Post, Add	*758.53*	
		For Powder Coated Gate And Post, Add	*410.87*	

32 31 13 00-0281 6' Fence Height *(32 31 13 00-0240)*

32 31 13 00-0282	EA	3' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	206.53	21.84
		For Gate With Single Barb Wire Arm, Add	*15.49*	
		For Gate With Double Barb Wire Arm, Add	*22.54*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-26.41*	
		For Aluminized Steel Gate And Post, Add	*67.61*	
		For Powder Coated Gate And Post, Add	*36.62*	
32 31 13 00-0283	EA	4' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	253.19	21.84
		For Gate With Single Barb Wire Arm, Add	*20.63*	
		For Gate With Double Barb Wire Arm, Add	*30.00*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-35.16*	
		For Aluminized Steel Gate And Post, Add	*90.00*	
		For Powder Coated Gate And Post, Add	*48.75*	
32 31 13 00-0284	EA	5' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	292.93	23.21
		For Gate With Single Barb Wire Arm, Add	*24.55*	
		For Gate With Double Barb Wire Arm, Add	*35.71*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-41.85*	
		For Aluminized Steel Gate And Post, Add	*107.14*	
		For Powder Coated Gate And Post, Add	*58.03*	
32 31 13 00-0285	EA	6' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	341.79	28.05
		For Gate With Single Barb Wire Arm, Add	*28.33*	
		For Gate With Double Barb Wire Arm, Add	*41.20*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-48.28*	
		For Aluminized Steel Gate And Post, Add	*123.60*	
		For Powder Coated Gate And Post, Add	*66.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0286	EA	7' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	392.64	32.95
		For Gate With Single Barb Wire Arm, Add	*32.32*	
		For Gate With Double Barb Wire Arm, Add	*47.01*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-55.09*	
		For Aluminized Steel Gate And Post, Add	*141.02*	
		For Powder Coated Gate And Post, Add	*76.39*	
32 31 13 00-0287	EA	8' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	440.99	37.55
		For Gate With Single Barb Wire Arm, Add	*36.12*	
		For Gate With Double Barb Wire Arm, Add	*52.54*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-61.57*	
		For Aluminized Steel Gate And Post, Add	*157.61*	
		For Powder Coated Gate And Post, Add	*85.37*	
32 31 13 00-0288	EA	9' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	490.12	42.37
		For Gate With Single Barb Wire Arm, Add	*39.92*	
		For Gate With Double Barb Wire Arm, Add	*58.07*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-68.05*	
		For Aluminized Steel Gate And Post, Add	*174.20*	
		For Powder Coated Gate And Post, Add	*94.36*	
32 31 13 00-0289	EA	10' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	523.68	47.20
		For Gate With Single Barb Wire Arm, Add	*42.01*	
		For Gate With Double Barb Wire Arm, Add	*61.11*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-71.61*	
		For Aluminized Steel Gate And Post, Add	*183.33*	
		For Powder Coated Gate And Post, Add	*99.30*	
32 31 13 00-0290	EA	10' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	703.48	47.13
		For Gate With Single Barb Wire Arm, Add	*61.82*	
		For Gate With Double Barb Wire Arm, Add	*89.92*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-105.38*	
		For Aluminized Steel Gate And Post, Add	*269.76*	
		For Powder Coated Gate And Post, Add	*146.12*	
32 31 13 00-0291	EA	12' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	827.25	51.04
		For Gate With Single Barb Wire Arm, Add	*74.14*	
		For Gate With Double Barb Wire Arm, Add	*107.84*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-126.38*	
		For Aluminized Steel Gate And Post, Add	*323.52*	
		For Powder Coated Gate And Post, Add	*175.24*	
32 31 13 00-0292	EA	14' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	984.98	65.56
		For Gate With Single Barb Wire Arm, Add	*86.69*	
		For Gate With Double Barb Wire Arm, Add	*126.09*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-147.76*	
		For Aluminized Steel Gate And Post, Add	*378.27*	
		For Powder Coated Gate And Post, Add	*204.90*	
32 31 13 00-0293	EA	16' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,112.12	70.65
		For Gate With Single Barb Wire Arm, Add	*99.01*	
		For Gate With Double Barb Wire Arm, Add	*144.01*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-168.76*	
		For Aluminized Steel Gate And Post, Add	*432.02*	
		For Powder Coated Gate And Post, Add	*234.01*	
32 31 13 00-0294	EA	18' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,243.86	76.50
		For Gate With Single Barb Wire Arm, Add	*111.55*	
		For Gate With Double Barb Wire Arm, Add	*162.26*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-190.15*	
		For Aluminized Steel Gate And Post, Add	*486.77*	
		For Powder Coated Gate And Post, Add	*263.67*	
32 31 13 00-0295	EA	20' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,378.80	83.48
		For Gate With Single Barb Wire Arm, Add	*124.10*	
		For Gate With Double Barb Wire Arm, Add	*180.51*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-211.53*	
		For Aluminized Steel Gate And Post, Add	*541.52*	
		For Powder Coated Gate And Post, Add	*293.32*	
32 31 13 00-0296	EA	22' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,515.85	91.84
		For Gate With Single Barb Wire Arm, Add	*136.42*	
		For Gate With Double Barb Wire Arm, Add	*198.43*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-232.53*	
		For Aluminized Steel Gate And Post, Add	*595.28*	
		For Powder Coated Gate And Post, Add	*322.44*	
32 31 13 00-0297	EA	24' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,659.50	102.00
		For Gate With Single Barb Wire Arm, Add	*148.85*	
		For Gate With Double Barb Wire Arm, Add	*216.51*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-253.72*	
		For Aluminized Steel Gate And Post, Add	*649.53*	
		For Powder Coated Gate And Post, Add	*351.83*	
32 31 13 00-0298	EA	26' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,809.57	114.76
		For Gate With Single Barb Wire Arm, Add	*161.15*	
		For Gate With Double Barb Wire Arm, Add	*234.39*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-274.68*	
		For Aluminized Steel Gate And Post, Add	*703.18*	
		For Powder Coated Gate And Post, Add	*380.89*	
32 31 13 00-0299	EA	28' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,972.03	131.13
		For Gate With Single Barb Wire Arm, Add	*173.60*	
		For Gate With Double Barb Wire Arm, Add	*252.51*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-295.91*	
		For Aluminized Steel Gate And Post, Add	*757.53*	
		For Powder Coated Gate And Post, Add	*410.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0300	EA	30' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,151.11	153.01
		For Gate With Single Barb Wire Arm, Add	*186.08*	
		For Gate With Double Barb Wire Arm, Add	*270.66*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-317.18*	
		For Aluminized Steel Gate And Post, Add	*811.98*	
		For Powder Coated Gate And Post, Add	*439.82*	

32 31 13 00-0301 7' Fence Height *(32 31 13 00-0240)*

32 31 13 00-0302	EA	3' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	217.63	23.53
		For Gate With Single Barb Wire Arm, Add	*16.16*	
		For Gate With Double Barb Wire Arm, Add	*23.50*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-27.54*	
		For Aluminized Steel Gate And Post, Add	*70.51*	
		For Powder Coated Gate And Post, Add	*38.19*	
32 31 13 00-0303	EA	4' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	266.02	23.53
		For Gate With Single Barb Wire Arm, Add	*21.48*	
		For Gate With Double Barb Wire Arm, Add	*31.25*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-36.62*	
		For Aluminized Steel Gate And Post, Add	*93.74*	
		For Powder Coated Gate And Post, Add	*50.78*	
32 31 13 00-0304	EA	5' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	308.81	24.75
		For Gate With Single Barb Wire Arm, Add	*25.79*	
		For Gate With Double Barb Wire Arm, Add	*37.52*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-43.97*	
		For Aluminized Steel Gate And Post, Add	*112.55*	
		For Powder Coated Gate And Post, Add	*60.96*	
32 31 13 00-0305	EA	6' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	378.13	30.12
		For Gate With Single Barb Wire Arm, Add	*31.65*	
		For Gate With Double Barb Wire Arm, Add	*46.03*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-53.95*	
		For Aluminized Steel Gate And Post, Add	*138.10*	
		For Powder Coated Gate And Post, Add	*74.80*	
32 31 13 00-0306	EA	7' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	446.70	35.24
		For Gate With Single Barb Wire Arm, Add	*37.51*	
		For Gate With Double Barb Wire Arm, Add	*54.55*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-63.93*	
		For Aluminized Steel Gate And Post, Add	*163.66*	
		For Powder Coated Gate And Post, Add	*88.65*	
32 31 13 00-0307	EA	8' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	516.03	40.54
		For Gate With Single Barb Wire Arm, Add	*43.36*	
		For Gate With Double Barb Wire Arm, Add	*63.07*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-73.91*	
		For Aluminized Steel Gate And Post, Add	*189.21*	
		For Powder Coated Gate And Post, Add	*102.49*	
32 31 13 00-0308	EA	9' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	584.59	45.67
		For Gate With Single Barb Wire Arm, Add	*49.22*	
		For Gate With Double Barb Wire Arm, Add	*71.59*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-83.89*	
		For Aluminized Steel Gate And Post, Add	*214.77*	
		For Powder Coated Gate And Post, Add	*116.33*	
32 31 13 00-0309	EA	10' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	644.32	51.04
		For Gate With Single Barb Wire Arm, Add	*54.02*	
		For Gate With Double Barb Wire Arm, Add	*78.57*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-92.08*	
		For Aluminized Steel Gate And Post, Add	*235.71*	
		For Powder Coated Gate And Post, Add	*127.68*	
32 31 13 00-0310	EA	10' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	797.84	51.04
		For Gate With Single Barb Wire Arm, Add	*70.90*	
		For Gate With Double Barb Wire Arm, Add	*103.13*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-120.86*	
		For Aluminized Steel Gate And Post, Add	*309.40*	
		For Powder Coated Gate And Post, Add	*167.59*	
32 31 13 00-0311	EA	12' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	913.65	65.56
		For Gate With Single Barb Wire Arm, Add	*78.84*	
		For Gate With Double Barb Wire Arm, Add	*114.68*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-134.39*	
		For Aluminized Steel Gate And Post, Add	*344.03*	
		For Powder Coated Gate And Post, Add	*186.35*	
32 31 13 00-0312	EA	14' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,048.26	70.65
		For Gate With Single Barb Wire Arm, Add	*91.98*	
		For Gate With Double Barb Wire Arm, Add	*133.79*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-156.79*	
		For Aluminized Steel Gate And Post, Add	*401.37*	
		For Powder Coated Gate And Post, Add	*217.41*	
32 31 13 00-0313	EA	16' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,175.42	76.50
		For Gate With Single Barb Wire Arm, Add	*104.02*	
		For Gate With Double Barb Wire Arm, Add	*151.31*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-177.31*	
		For Aluminized Steel Gate And Post, Add	*453.92*	
		For Powder Coated Gate And Post, Add	*245.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0314	EA	18' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,316.58	83.48
		For Gate With Single Barb Wire Arm, Add	*117.25*	
		For Gate With Double Barb Wire Arm, Add	*170.55*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-199.87*	
		For Aluminized Steel Gate And Post, Add	*511.66*	
		For Powder Coated Gate And Post, Add	*277.15*	
32 31 13 00-0315	EA	20' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,459.85	91.84
		For Gate With Single Barb Wire Arm, Add	*130.26*	
		For Gate With Double Barb Wire Arm, Add	*189.47*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-222.03*	
		For Aluminized Steel Gate And Post, Add	*568.40*	
		For Powder Coated Gate And Post, Add	*307.88*	
32 31 13 00-0316	EA	22' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,608.69	102.00
		For Gate With Single Barb Wire Arm, Add	*143.26*	
		For Gate With Double Barb Wire Arm, Add	*208.38*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-244.19*	
		For Aluminized Steel Gate And Post, Add	*625.14*	
		For Powder Coated Gate And Post, Add	*338.62*	
32 31 13 00-0317	EA	24' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,765.19	114.76
		For Gate With Single Barb Wire Arm, Add	*156.26*	
		For Gate With Double Barb Wire Arm, Add	*227.29*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-266.36*	
		For Aluminized Steel Gate And Post, Add	*681.88*	
		For Powder Coated Gate And Post, Add	*369.35*	
32 31 13 00-0318	EA	26' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,932.63	131.13
		For Gate With Single Barb Wire Arm, Add	*169.27*	
		For Gate With Double Barb Wire Arm, Add	*246.21*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-288.52*	
		For Aluminized Steel Gate And Post, Add	*738.62*	
		For Powder Coated Gate And Post, Add	*400.09*	
32 31 13 00-0319	EA	28' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,116.48	153.01
		For Gate With Single Barb Wire Arm, Add	*182.27*	
		For Gate With Double Barb Wire Arm, Add	*265.12*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-310.69*	
		For Aluminized Steel Gate And Post, Add	*795.36*	
		For Powder Coated Gate And Post, Add	*430.82*	
32 31 13 00-0320	EA	30' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,326.59	183.59
		For Gate With Single Barb Wire Arm, Add	*195.27*	
		For Gate With Double Barb Wire Arm, Add	*284.03*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-332.85*	
		For Aluminized Steel Gate And Post, Add	*852.10*	
		For Powder Coated Gate And Post, Add	*461.55*	
32 31 13 00-0321		8' Fence Height *(32 31 13 00-0240)*		
32 31 13 00-0322	EA	3' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	252.07	25.52
		For Gate With Single Barb Wire Arm, Add	*19.30*	
		For Gate With Double Barb Wire Arm, Add	*28.07*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-32.90*	
		For Aluminized Steel Gate And Post, Add	*84.21*	
		For Powder Coated Gate And Post, Add	*45.61*	
32 31 13 00-0323	EA	4' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	310.55	25.52
		For Gate With Single Barb Wire Arm, Add	*25.73*	
		For Gate With Double Barb Wire Arm, Add	*37.43*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-43.86*	
		For Aluminized Steel Gate And Post, Add	*112.28*	
		For Powder Coated Gate And Post, Add	*60.82*	
32 31 13 00-0324	EA	5' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	360.55	28.43
		For Gate With Single Barb Wire Arm, Add	*30.26*	
		For Gate With Double Barb Wire Arm, Add	*44.02*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-51.58*	
		For Aluminized Steel Gate And Post, Add	*132.05*	
		For Powder Coated Gate And Post, Add	*71.53*	
32 31 13 00-0325	EA	6' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	412.86	32.19
		For Gate With Single Barb Wire Arm, Add	*34.79*	
		For Gate With Double Barb Wire Arm, Add	*50.61*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-59.31*	
		For Aluminized Steel Gate And Post, Add	*151.83*	
		For Powder Coated Gate And Post, Add	*82.24*	
32 31 13 00-0326	EA	7' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	473.99	38.77
		For Gate With Single Barb Wire Arm, Add	*39.33*	
		For Gate With Double Barb Wire Arm, Add	*57.20*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-67.03*	
		For Aluminized Steel Gate And Post, Add	*171.60*	
		For Powder Coated Gate And Post, Add	*92.95*	
32 31 13 00-0327	EA	8' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	534.34	45.14
		For Gate With Single Barb Wire Arm, Add	*43.86*	
		For Gate With Double Barb Wire Arm, Add	*63.79*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-74.76*	
		For Aluminized Steel Gate And Post, Add	*191.38*	
		For Powder Coated Gate And Post, Add	*103.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0328	EA	9' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	595.46	51.80
		For Gate With Single Barb Wire Arm, Add	*48.39*	
		For Gate With Double Barb Wire Arm, Add	*70.39*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-82.48*	
		For Aluminized Steel Gate And Post, Add	*211.16*	
		For Powder Coated Gate And Post, Add	*114.38*	
32 31 13 00-0329	EA	10' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	656.58	58.47
		For Gate With Single Barb Wire Arm, Add	*52.92*	
		For Gate With Double Barb Wire Arm, Add	*76.98*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-90.21*	
		For Aluminized Steel Gate And Post, Add	*230.93*	
		For Powder Coated Gate And Post, Add	*125.09*	
32 31 13 00-0330	EA	10' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	918.60	65.56
		For Gate With Single Barb Wire Arm, Add	*79.38*	
		For Gate With Double Barb Wire Arm, Add	*115.47*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-135.32*	
		For Aluminized Steel Gate And Post, Add	*346.41*	
		For Powder Coated Gate And Post, Add	*187.64*	
32 31 13 00-0331	EA	12' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	1,072.71	70.65
		For Gate With Single Barb Wire Arm, Add	*94.67*	
		For Gate With Double Barb Wire Arm, Add	*137.70*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-161.37*	
		For Aluminized Steel Gate And Post, Add	*413.11*	
		For Powder Coated Gate And Post, Add	*223.77*	
32 31 13 00-0332	EA	14' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	1,231.41	76.50
		For Gate With Single Barb Wire Arm, Add	*110.18*	
		For Gate With Double Barb Wire Arm, Add	*160.27*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-187.81*	
		For Aluminized Steel Gate And Post, Add	*480.80*	
		For Powder Coated Gate And Post, Add	*260.43*	
32 31 13 00-0333	EA	16' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	1,397.46	83.48
		For Gate With Single Barb Wire Arm, Add	*126.15*	
		For Gate With Double Barb Wire Arm, Add	*183.49*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-215.03*	
		For Aluminized Steel Gate And Post, Add	*550.48*	
		For Powder Coated Gate And Post, Add	*298.18*	
32 31 13 00-0334	EA	18 Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	1,567.69	91.84
		For Gate With Single Barb Wire Arm, Add	*142.12*	
		For Gate With Double Barb Wire Arm, Add	*206.72*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-242.25*	
		For Aluminized Steel Gate And Post, Add	*620.16*	
		For Powder Coated Gate And Post, Add	*335.92*	
32 31 13 00-0335	EA	20' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	1,741.42	102.00
		For Gate With Single Barb Wire Arm, Add	*157.86*	
		For Gate With Double Barb Wire Arm, Add	*229.62*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-269.08*	
		For Aluminized Steel Gate And Post, Add	*688.85*	
		For Powder Coated Gate And Post, Add	*373.13*	
32 31 13 00-0336	EA	22' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	1,920.73	114.76
		For Gate With Single Barb Wire Arm, Add	*173.37*	
		For Gate With Double Barb Wire Arm, Add	*252.18*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-295.52*	
		For Aluminized Steel Gate And Post, Add	*756.54*	
		For Powder Coated Gate And Post, Add	*409.79*	
32 31 13 00-0337	EA	24' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,115.13	131.13
		For Gate With Single Barb Wire Arm, Add	*189.34*	
		For Gate With Double Barb Wire Arm, Add	*275.41*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-322.74*	
		For Aluminized Steel Gate And Post, Add	*826.22*	
		For Powder Coated Gate And Post, Add	*447.54*	
32 31 13 00-0338	EA	26' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,325.94	153.01
		For Gate With Single Barb Wire Arm, Add	*205.31*	
		For Gate With Double Barb Wire Arm, Add	*298.63*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-349.96*	
		For Aluminized Steel Gate And Post, Add	*895.90*	
		For Powder Coated Gate And Post, Add	*485.28*	
32 31 13 00-0339	EA	28' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,560.93	183.59
		For Gate With Single Barb Wire Arm, Add	*221.05*	
		For Gate With Double Barb Wire Arm, Add	*321.53*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-376.79*	
		For Aluminized Steel Gate And Post, Add	*964.58*	
		For Powder Coated Gate And Post, Add	*522.48*	
32 31 13 00-0340	EA	30' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,841.88	229.51
		For Gate With Single Barb Wire Arm, Add	*236.79*	
		For Gate With Double Barb Wire Arm, Add	*344.42*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-403.62*	
		For Aluminized Steel Gate And Post, Add	*1,033.27*	
		For Powder Coated Gate And Post, Add	*559.69*	

32 31 13 00-0341 10' Fence Height *(32 31 13 00-0240)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0342	EA	3' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	312.01	28.35
		For Gate With Single Barb Wire Arm, Add	*24.95*	
		For Gate With Double Barb Wire Arm, Add	*36.30*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-42.54*	
		For Aluminized Steel Gate And Post, Add	*108.89*	
		For Powder Coated Gate And Post, Add	*58.98*	
32 31 13 00-0343	EA	4' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	387.64	28.35
		For Gate With Single Barb Wire Arm, Add	*33.27*	
		For Gate With Double Barb Wire Arm, Add	*48.40*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-56.72*	
		For Aluminized Steel Gate And Post, Add	*145.20*	
		For Powder Coated Gate And Post, Add	*78.65*	
32 31 13 00-0344	EA	5' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	444.66	29.58
		For Gate With Single Barb Wire Arm, Add	*39.13*	
		For Gate With Double Barb Wire Arm, Add	*56.92*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-66.71*	
		For Aluminized Steel Gate And Post, Add	*170.77*	
		For Powder Coated Gate And Post, Add	*92.50*	
32 31 13 00-0345	EA	6' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	519.39	36.78
		For Gate With Single Barb Wire Arm, Add	*45.00*	
		For Gate With Double Barb Wire Arm, Add	*65.45*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-76.70*	
		For Aluminized Steel Gate And Post, Add	*196.34*	
		For Powder Coated Gate And Post, Add	*106.35*	
32 31 13 00-0346	EA	7' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	593.67	43.60
		For Gate With Single Barb Wire Arm, Add	*50.85*	
		For Gate With Double Barb Wire Arm, Add	*73.97*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-86.68*	
		For Aluminized Steel Gate And Post, Add	*221.91*	
		For Powder Coated Gate And Post, Add	*120.20*	
32 31 13 00-0347	EA	8' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	668.07	50.80
		For Gate With Single Barb Wire Arm, Add	*56.71*	
		For Gate With Double Barb Wire Arm, Add	*82.49*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-96.67*	
		For Aluminized Steel Gate And Post, Add	*247.48*	
		For Powder Coated Gate And Post, Add	*134.05*	
32 31 13 00-0348	EA	9' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	742.04	57.70
		For Gate With Single Barb Wire Arm, Add	*62.58*	
		For Gate With Double Barb Wire Arm, Add	*91.02*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-106.66*	
		For Aluminized Steel Gate And Post, Add	*273.06*	
		For Powder Coated Gate And Post, Add	*147.91*	
32 31 13 00-0349	EA	10' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	816.78	64.83
		For Gate With Single Barb Wire Arm, Add	*68.44*	
		For Gate With Double Barb Wire Arm, Add	*99.54*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-116.65*	
		For Aluminized Steel Gate And Post, Add	*298.63*	
		For Powder Coated Gate And Post, Add	*161.76*	
32 31 13 00-0350	EA	10' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,152.02	72.88
		For Gate With Single Barb Wire Arm, Add	*102.65*	
		For Gate With Double Barb Wire Arm, Add	*149.32*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-174.98*	
		For Aluminized Steel Gate And Post, Add	*447.95*	
		For Powder Coated Gate And Post, Add	*242.64*	
32 31 13 00-0351	EA	12' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,251.75	78.40
		For Gate With Single Barb Wire Arm, Add	*111.78*	
		For Gate With Double Barb Wire Arm, Add	*162.59*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-190.54*	
		For Aluminized Steel Gate And Post, Add	*487.78*	
		For Powder Coated Gate And Post, Add	*264.21*	
32 31 13 00-0352	EA	14' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,420.77	85.03
		For Gate With Single Barb Wire Arm, Add	*128.21*	
		For Gate With Double Barb Wire Arm, Add	*186.48*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-218.53*	
		For Aluminized Steel Gate And Post, Add	*559.44*	
		For Powder Coated Gate And Post, Add	*303.03*	
32 31 13 00-0353	EA	16' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,609.77	92.70
		For Gate With Single Barb Wire Arm, Add	*146.46*	
		For Gate With Double Barb Wire Arm, Add	*213.03*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-249.64*	
		For Aluminized Steel Gate And Post, Add	*639.08*	
		For Powder Coated Gate And Post, Add	*346.17*	
32 31 13 00-0354	EA	18' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,803.63	102.00
		For Gate With Single Barb Wire Arm, Add	*164.70*	
		For Gate With Double Barb Wire Arm, Add	*239.57*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-280.75*	
		For Aluminized Steel Gate And Post, Add	*718.71*	
		For Powder Coated Gate And Post, Add	*389.30*	
32 31 13 00-0355	EA	20' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,004.45	113.29
		For Gate With Single Barb Wire Arm, Add	*183.07*	
		For Gate With Double Barb Wire Arm, Add	*266.28*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-312.05*	
		For Aluminized Steel Gate And Post, Add	*798.84*	
		For Powder Coated Gate And Post, Add	*432.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0356	EA	22' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,214.10	127.51
		For Gate With Single Barb Wire Arm, Add	*201.43*	
		For Gate With Double Barb Wire Arm, Add	*292.99*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-343.35*	
		For Aluminized Steel Gate And Post, Add	*878.98*	
		For Powder Coated Gate And Post, Add	*476.11*	
32 31 13 00-0357	EA	24' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,434.44	145.60
		For Gate With Single Barb Wire Arm, Add	*219.68*	
		For Gate With Double Barb Wire Arm, Add	*319.54*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-374.46*	
		For Aluminized Steel Gate And Post, Add	*958.61*	
		For Powder Coated Gate And Post, Add	*519.25*	
32 31 13 00-0358	EA	26' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,673.55	169.98
		For Gate With Single Barb Wire Arm, Add	*237.93*	
		For Gate With Double Barb Wire Arm, Add	*346.08*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-405.57*	
		For Aluminized Steel Gate And Post, Add	*1,038.25*	
		For Powder Coated Gate And Post, Add	*562.39*	
32 31 13 00-0359	EA	28' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,941.02	203.84
		For Gate With Single Barb Wire Arm, Add	*256.18*	
		For Gate With Double Barb Wire Arm, Add	*372.63*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-436.67*	
		For Aluminized Steel Gate And Post, Add	*1,117.88*	
		For Powder Coated Gate And Post, Add	*605.52*	
32 31 13 00-0360	EA	30' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,262.71	255.01
		For Gate With Single Barb Wire Arm, Add	*274.66*	
		For Gate With Double Barb Wire Arm, Add	*399.50*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-468.17*	
		For Aluminized Steel Gate And Post, Add	*1,198.51*	
		For Powder Coated Gate And Post, Add	*649.19*	

32 31 13 00-0361 12' Fence Height *(32 31 13 00-0240)*

32 31 13 00-0362	EA	3' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	384.99	31.49
		For Gate With Single Barb Wire Arm, Add	*31.94*	
		For Gate With Double Barb Wire Arm, Add	*46.46*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-54.45*	
		For Aluminized Steel Gate And Post, Add	*139.39*	
		For Powder Coated Gate And Post, Add	*75.50*	
32 31 13 00-0363	EA	4' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	481.78	31.49
		For Gate With Single Barb Wire Arm, Add	*42.59*	
		For Gate With Double Barb Wire Arm, Add	*61.95*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-72.60*	
		For Aluminized Steel Gate And Post, Add	*185.85*	
		For Powder Coated Gate And Post, Add	*100.67*	
32 31 13 00-0364	EA	5' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	553.47	32.65
		For Gate With Single Barb Wire Arm, Add	*50.09*	
		For Gate With Double Barb Wire Arm, Add	*72.86*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-85.38*	
		For Aluminized Steel Gate And Post, Add	*218.58*	
		For Powder Coated Gate And Post, Add	*118.40*	
32 31 13 00-0365	EA	6' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	645.42	40.54
		For Gate With Single Barb Wire Arm, Add	*57.59*	
		For Gate With Double Barb Wire Arm, Add	*83.77*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-98.17*	
		For Aluminized Steel Gate And Post, Add	*251.32*	
		For Powder Coated Gate And Post, Add	*136.13*	
32 31 13 00-0366	EA	7' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	737.34	48.51
		For Gate With Single Barb Wire Arm, Add	*65.09*	
		For Gate With Double Barb Wire Arm, Add	*94.68*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-110.95*	
		For Aluminized Steel Gate And Post, Add	*284.04*	
		For Powder Coated Gate And Post, Add	*153.86*	
32 31 13 00-0367	EA	8' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	828.53	56.16
		For Gate With Single Barb Wire Arm, Add	*72.59*	
		For Gate With Double Barb Wire Arm, Add	*105.59*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-123.74*	
		For Aluminized Steel Gate And Post, Add	*316.78*	
		For Powder Coated Gate And Post, Add	*171.59*	
32 31 13 00-0368	EA	9' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	920.48	64.06
		For Gate With Single Barb Wire Arm, Add	*80.10*	
		For Gate With Double Barb Wire Arm, Add	*116.50*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-136.53*	
		For Aluminized Steel Gate And Post, Add	*349.51*	
		For Powder Coated Gate And Post, Add	*189.32*	
32 31 13 00-0369	EA	10' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	1,012.43	71.95
		For Gate With Single Barb Wire Arm, Add	*87.60*	
		For Gate With Double Barb Wire Arm, Add	*127.41*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-149.31*	
		For Aluminized Steel Gate And Post, Add	*382.24*	
		For Powder Coated Gate And Post, Add	*207.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0370	EA	10' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,352.62	80.98
		For Gate With Single Barb Wire Arm, Add	*122.05*	
		For Gate With Double Barb Wire Arm, Add	*177.52*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-208.03*	
		For Aluminized Steel Gate And Post, Add	*532.56*	
		For Powder Coated Gate And Post, Add	*288.47*	
32 31 13 00-0371	EA	12' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,481.08	87.19
		For Gate With Single Barb Wire Arm, Add	*134.14*	
		For Gate With Double Barb Wire Arm, Add	*195.11*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-228.64*	
		For Aluminized Steel Gate And Post, Add	*585.32*	
		For Powder Coated Gate And Post, Add	*317.05*	
32 31 13 00-0372	EA	14' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,681.40	94.43
		For Gate With Single Barb Wire Arm, Add	*153.75*	
		For Gate With Double Barb Wire Arm, Add	*223.64*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-262.08*	
		For Aluminized Steel Gate And Post, Add	*670.93*	
		For Powder Coated Gate And Post, Add	*363.42*	
32 31 13 00-0373	EA	16' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,906.21	102.95
		For Gate With Single Barb Wire Arm, Add	*175.65*	
		For Gate With Double Barb Wire Arm, Add	*255.50*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-299.41*	
		For Aluminized Steel Gate And Post, Add	*766.49*	
		For Powder Coated Gate And Post, Add	*415.18*	
32 31 13 00-0374	EA	18 Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	2,136.14	113.38
		For Gate With Single Barb Wire Arm, Add	*197.55*	
		For Gate With Double Barb Wire Arm, Add	*287.35*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-336.74*	
		For Aluminized Steel Gate And Post, Add	*862.06*	
		For Powder Coated Gate And Post, Add	*466.95*	
32 31 13 00-0375	EA	20' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	2,374.97	125.87
		For Gate With Single Barb Wire Arm, Add	*219.68*	
		For Gate With Double Barb Wire Arm, Add	*319.54*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-374.46*	
		For Aluminized Steel Gate And Post, Add	*958.61*	
		For Powder Coated Gate And Post, Add	*519.25*	
32 31 13 00-0376	EA	22' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	2,621.64	141.64
		For Gate With Single Barb Wire Arm, Add	*241.58*	
		For Gate With Double Barb Wire Arm, Add	*351.39*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-411.79*	
		For Aluminized Steel Gate And Post, Add	*1,054.18*	
		For Powder Coated Gate And Post, Add	*571.01*	
32 31 13 00-0377	EA	24' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	2,883.28	161.79
		For Gate With Single Barb Wire Arm, Add	*263.71*	
		For Gate With Double Barb Wire Arm, Add	*383.58*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-449.51*	
		For Aluminized Steel Gate And Post, Add	*1,150.73*	
		For Powder Coated Gate And Post, Add	*623.31*	
32 31 13 00-0378	EA	26' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	3,161.64	188.93
		For Gate With Single Barb Wire Arm, Add	*285.38*	
		For Gate With Double Barb Wire Arm, Add	*415.10*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-486.44*	
		For Aluminized Steel Gate And Post, Add	*1,245.30*	
		For Powder Coated Gate And Post, Add	*674.54*	
32 31 13 00-0379	EA	28' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	3,473.58	226.50
		For Gate With Single Barb Wire Arm, Add	*307.28*	
		For Gate With Double Barb Wire Arm, Add	*446.95*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-523.77*	
		For Aluminized Steel Gate And Post, Add	*1,340.86*	
		For Powder Coated Gate And Post, Add	*726.30*	
32 31 13 00-0380	EA	30' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	3,845.52	283.36
		For Gate With Single Barb Wire Arm, Add	*329.41*	
		For Gate With Double Barb Wire Arm, Add	*479.14*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-561.49*	
		For Aluminized Steel Gate And Post, Add	*1,437.42*	
		For Powder Coated Gate And Post, Add	*778.60*	

32 31 13 00-0381 Vinyl Coated Without Barb Wire Arm *(32 31 13 00-0239)*

Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter to 13' wide, 6-5/8" diameter for 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.

32 31 13 00-0382 4' Fence Height *(32 31 13 00-0381)*

32 31 13 00-0383	EA	3' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	195.85	19.16
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-25.95*	
		For Gate With Single Barb Wire Arm, Add	*15.22*	
		For Gate With Double Barb Wire Arm, Add	*22.14*	
32 31 13 00-0384	EA	4' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	241.98	19.16
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-34.60*	
		For Gate With Single Barb Wire Arm, Add	*20.30*	
		For Gate With Double Barb Wire Arm, Add	*29.52*	
32 31 13 00-0385	EA	5' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	284.26	20.38
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-41.81*	
		For Gate With Single Barb Wire Arm, Add	*24.53*	
		For Gate With Double Barb Wire Arm, Add	*35.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0386	EA	6' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	334.96	24.52
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-49.01*	
		For Gate With Single Barb Wire Arm, Add	*28.75*	
		For Gate With Double Barb Wire Arm, Add	*41.82*	
32 31 13 00-0387	EA	7' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	385.65	28.58
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-56.22*	
		For Gate With Single Barb Wire Arm, Add	*32.98*	
		For Gate With Double Barb Wire Arm, Add	*47.97*	
32 31 13 00-0388	EA	8' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	436.37	32.65
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-63.43*	
		For Gate With Single Barb Wire Arm, Add	*37.21*	
		For Gate With Double Barb Wire Arm, Add	*54.12*	
32 31 13 00-0389	EA	9' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	487.06	36.78
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-70.63*	
		For Gate With Single Barb Wire Arm, Add	*41.44*	
		For Gate With Double Barb Wire Arm, Add	*60.27*	
32 31 13 00-0390	EA	10' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	537.75	40.84
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-77.84*	
		For Gate With Single Barb Wire Arm, Add	*45.67*	
		For Gate With Double Barb Wire Arm, Add	*66.42*	
32 31 13 00-0391	EA	10' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	676.13	40.84
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-103.79*	
		For Gate With Single Barb Wire Arm, Add	*60.89*	
		For Gate With Double Barb Wire Arm, Add	*88.56*	
32 31 13 00-0392	EA	12' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	795.60	43.75
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-124.55*	
		For Gate With Single Barb Wire Arm, Add	*73.07*	
		For Gate With Double Barb Wire Arm, Add	*106.28*	
32 31 13 00-0393	EA	14' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	916.42	47.13
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-145.30*	
		For Gate With Single Barb Wire Arm, Add	*85.24*	
		For Gate With Double Barb Wire Arm, Add	*123.99*	
32 31 13 00-0394	EA	16' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,038.91	51.04
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-166.06*	
		For Gate With Single Barb Wire Arm, Add	*97.42*	
		For Gate With Double Barb Wire Arm, Add	*141.71*	
32 31 13 00-0395	EA	18' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,180.15	61.16
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-186.82*	
		For Gate With Single Barb Wire Arm, Add	*109.60*	
		For Gate With Double Barb Wire Arm, Add	*159.42*	
32 31 13 00-0396	EA	20' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,303.99	65.56
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-207.58*	
		For Gate With Single Barb Wire Arm, Add	*121.78*	
		For Gate With Double Barb Wire Arm, Add	*177.13*	
32 31 13 00-0397	EA	22' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,429.85	70.65
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-228.33*	
		For Gate With Single Barb Wire Arm, Add	*133.96*	
		For Gate With Double Barb Wire Arm, Add	*194.84*	
32 31 13 00-0398	EA	24' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,558.23	76.50
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-249.09*	
		For Gate With Single Barb Wire Arm, Add	*146.13*	
		For Gate With Double Barb Wire Arm, Add	*212.56*	
32 31 13 00-0399	EA	26' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,689.82	83.48
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-269.85*	
		For Gate With Single Barb Wire Arm, Add	*158.31*	
		For Gate With Double Barb Wire Arm, Add	*230.27*	
32 31 13 00-0400	EA	28' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,825.59	91.84
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-290.61*	
		For Gate With Single Barb Wire Arm, Add	*170.49*	
		For Gate With Double Barb Wire Arm, Add	*247.98*	
32 31 13 00-0401	EA	30' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,966.92	102.00
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-311.36*	
		For Gate With Single Barb Wire Arm, Add	*182.67*	
		For Gate With Double Barb Wire Arm, Add	*265.70*	

32 31 13 00-0402 5' Fence Height *(32 31 13 00-0381)*

32 31 13 00-0403	EA	3' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	232.78	20.38
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-32.15*	
		For Gate With Single Barb Wire Arm, Add	*18.86*	
		For Gate With Double Barb Wire Arm, Add	*27.44*	
32 31 13 00-0404	EA	4' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	289.94	20.38
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-42.87*	
		For Gate With Single Barb Wire Arm, Add	*25.15*	
		For Gate With Double Barb Wire Arm, Add	*36.58*	
32 31 13 00-0405	EA	5' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	336.66	21.69
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-50.91*	
		For Gate With Single Barb Wire Arm, Add	*29.87*	
		For Gate With Double Barb Wire Arm, Add	*43.44*	
32 31 13 00-0406	EA	6' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	392.53	26.06
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-58.95*	
		For Gate With Single Barb Wire Arm, Add	*34.58*	
		For Gate With Double Barb Wire Arm, Add	*50.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0407	EA	7' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	448.43	30.34
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-66.98*	
		For Gate With Single Barb Wire Arm, Add	*39.30*	
		For Gate With Double Barb Wire Arm, Add	*57.16*	
32 31 13 00-0408	EA	8' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	505.09	34.94
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-75.02*	
		For Gate With Single Barb Wire Arm, Add	*44.01*	
		For Gate With Double Barb Wire Arm, Add	*64.02*	
32 31 13 00-0409	EA	9 Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	561.00	39.31
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-83.06*	
		For Gate With Single Barb Wire Arm, Add	*48.73*	
		For Gate With Double Barb Wire Arm, Add	*70.88*	
32 31 13 00-0410	EA	10' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	616.89	43.60
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-91.10*	
		For Gate With Single Barb Wire Arm, Add	*53.44*	
		For Gate With Double Barb Wire Arm, Add	*77.74*	
32 31 13 00-0411	EA	10' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	817.26	43.75
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-128.61*	
		For Gate With Single Barb Wire Arm, Add	*75.45*	
		For Gate With Double Barb Wire Arm, Add	*109.74*	
32 31 13 00-0412	EA	12' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	964.55	47.13
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-154.33*	
		For Gate With Single Barb Wire Arm, Add	*90.54*	
		For Gate With Double Barb Wire Arm, Add	*131.69*	
32 31 13 00-0413	EA	14' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,113.51	51.04
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-180.05*	
		For Gate With Single Barb Wire Arm, Add	*105.63*	
		For Gate With Double Barb Wire Arm, Add	*153.64*	
32 31 13 00-0414	EA	16' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,281.24	61.16
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-205.77*	
		For Gate With Single Barb Wire Arm, Add	*120.72*	
		For Gate With Double Barb Wire Arm, Add	*175.59*	
32 31 13 00-0415	EA	18 Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,431.55	65.56
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-231.49*	
		For Gate With Single Barb Wire Arm, Add	*135.81*	
		For Gate With Double Barb Wire Arm, Add	*197.54*	
32 31 13 00-0416	EA	20' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,583.88	70.65
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-257.21*	
		For Gate With Single Barb Wire Arm, Add	*150.90*	
		For Gate With Double Barb Wire Arm, Add	*219.49*	
32 31 13 00-0417	EA	22' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,738.74	76.50
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-282.94*	
		For Gate With Single Barb Wire Arm, Add	*165.99*	
		For Gate With Double Barb Wire Arm, Add	*241.44*	
32 31 13 00-0418	EA	24' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,896.80	83.48
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-308.66*	
		For Gate With Single Barb Wire Arm, Add	*181.08*	
		For Gate With Double Barb Wire Arm, Add	*263.39*	
32 31 13 00-0419	EA	26' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,059.04	91.84
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-334.38*	
		For Gate With Single Barb Wire Arm, Add	*196.17*	
		For Gate With Double Barb Wire Arm, Add	*285.34*	
32 31 13 00-0420	EA	28' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,226.85	102.00
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-360.10*	
		For Gate With Single Barb Wire Arm, Add	*211.26*	
		For Gate With Double Barb Wire Arm, Add	*307.28*	
32 31 13 00-0421	EA	30' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,402.32	114.76
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-385.82*	
		For Gate With Single Barb Wire Arm, Add	*226.35*	
		For Gate With Double Barb Wire Arm, Add	*329.23*	

32 31 13 00-0422 6' Fence Height *(32 31 13 00-0381)*

32 31 13 00-0423	EA	3' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	248.94	21.84
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-34.36*	
		For Gate With Single Barb Wire Arm, Add	*20.16*	
		For Gate With Double Barb Wire Arm, Add	*29.32*	
32 31 13 00-0424	EA	4' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	310.02	21.84
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-45.81*	
		For Gate With Single Barb Wire Arm, Add	*26.88*	
		For Gate With Double Barb Wire Arm, Add	*39.09*	
32 31 13 00-0425	EA	5' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	359.89	23.21
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-54.41*	
		For Gate With Single Barb Wire Arm, Add	*31.92*	
		For Gate With Double Barb Wire Arm, Add	*46.43*	
32 31 13 00-0426	EA	6' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	420.27	28.05
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-63.00*	
		For Gate With Single Barb Wire Arm, Add	*36.96*	
		For Gate With Double Barb Wire Arm, Add	*53.76*	
32 31 13 00-0427	EA	7' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	480.64	32.95
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-71.59*	
		For Gate With Single Barb Wire Arm, Add	*42.00*	
		For Gate With Double Barb Wire Arm, Add	*61.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0428	EA	8' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	540.24	37.55
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-80.18*	
		For Gate With Single Barb Wire Arm, Add	*47.04*	
		For Gate With Double Barb Wire Arm, Add	*68.42*	
32 31 13 00-0429	EA	9' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	600.62	42.37
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-88.77*	
		For Gate With Single Barb Wire Arm, Add	*52.08*	
		For Gate With Double Barb Wire Arm, Add	*75.75*	
32 31 13 00-0430	EA	10' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	661.00	47.20
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-97.36*	
		For Gate With Single Barb Wire Arm, Add	*57.12*	
		For Gate With Double Barb Wire Arm, Add	*83.08*	
32 31 13 00-0431	EA	10' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	874.51	47.13
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-137.45*	
		For Gate With Single Barb Wire Arm, Add	*80.63*	
		For Gate With Double Barb Wire Arm, Add	*117.29*	
32 31 13 00-0432	EA	12' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,032.89	51.04
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-164.93*	
		For Gate With Single Barb Wire Arm, Add	*96.76*	
		For Gate With Double Barb Wire Arm, Add	*140.74*	
32 31 13 00-0433	EA	14' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,223.17	65.56
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-192.42*	
		For Gate With Single Barb Wire Arm, Add	*112.89*	
		For Gate With Double Barb Wire Arm, Add	*164.20*	
32 31 13 00-0434	EA	16' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,384.93	70.65
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-219.91*	
		For Gate With Single Barb Wire Arm, Add	*129.01*	
		For Gate With Double Barb Wire Arm, Add	*187.66*	
32 31 13 00-0435	EA	18' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,549.21	76.50
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-247.40*	
		For Gate With Single Barb Wire Arm, Add	*145.14*	
		For Gate With Double Barb Wire Arm, Add	*211.11*	
32 31 13 00-0436	EA	20' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,743.79	83.48
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-279.97*	
		For Gate With Single Barb Wire Arm, Add	*164.25*	
		For Gate With Double Barb Wire Arm, Add	*238.91*	
32 31 13 00-0437	EA	22' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,893.29	91.84
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-303.30*	
		For Gate With Single Barb Wire Arm, Add	*177.94*	
		For Gate With Double Barb Wire Arm, Add	*258.82*	
32 31 13 00-0438	EA	24' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,065.61	102.00
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-329.87*	
		For Gate With Single Barb Wire Arm, Add	*193.52*	
		For Gate With Double Barb Wire Arm, Add	*281.49*	
32 31 13 00-0439	EA	26' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,250.50	114.76
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-357.35*	
		For Gate With Single Barb Wire Arm, Add	*209.65*	
		For Gate With Double Barb Wire Arm, Add	*304.94*	
32 31 13 00-0440	EA	28' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,446.34	131.13
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-384.84*	
		For Gate With Single Barb Wire Arm, Add	*225.78*	
		For Gate With Double Barb Wire Arm, Add	*328.40*	
32 31 13 00-0441	EA	30' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,658.59	153.01
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-412.33*	
		For Gate With Single Barb Wire Arm, Add	*241.90*	
		For Gate With Double Barb Wire Arm, Add	*351.86*	

32 31 13 00-0442 7' Fence Height *(32 31 13 00-0381)*

32 31 13 00-0443	EA	3' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	263.21	23.53
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-36.09*	
		For Gate With Single Barb Wire Arm, Add	*21.17*	
		For Gate With Double Barb Wire Arm, Add	*30.80*	
32 31 13 00-0444	EA	4' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	327.38	23.53
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-48.12*	
		For Gate With Single Barb Wire Arm, Add	*28.23*	
		For Gate With Double Barb Wire Arm, Add	*41.06*	
32 31 13 00-0445	EA	5' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	379.12	24.75
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-57.15*	
		For Gate With Single Barb Wire Arm, Add	*33.53*	
		For Gate With Double Barb Wire Arm, Add	*48.77*	
32 31 13 00-0446	EA	6' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	443.32	30.12
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-66.17*	
		For Gate With Single Barb Wire Arm, Add	*38.82*	
		For Gate With Double Barb Wire Arm, Add	*56.46*	
32 31 13 00-0447	EA	7' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	506.77	35.24
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-75.19*	
		For Gate With Single Barb Wire Arm, Add	*44.11*	
		For Gate With Double Barb Wire Arm, Add	*64.16*	
32 31 13 00-0448	EA	8' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	571.00	40.54
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-84.22*	
		For Gate With Single Barb Wire Arm, Add	*49.41*	
		For Gate With Double Barb Wire Arm, Add	*71.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0449	EA	9' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	634.43	45.67
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-93.24*	
		For Gate With Single Barb Wire Arm, Add	*54.70*	
		For Gate With Double Barb Wire Arm, Add	*79.56*	
32 31 13 00-0450	EA	10' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	698.65	51.04
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-102.26*	
		For Gate With Single Barb Wire Arm, Add	*59.99*	
		For Gate With Double Barb Wire Arm, Add	*87.26*	
32 31 13 00-0451	EA	10' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	923.21	51.04
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-144.37*	
		For Gate With Single Barb Wire Arm, Add	*84.70*	
		For Gate With Double Barb Wire Arm, Add	*123.19*	
32 31 13 00-0452	EA	12' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,120.86	65.56
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-173.24*	
		For Gate With Single Barb Wire Arm, Add	*101.63*	
		For Gate With Double Barb Wire Arm, Add	*147.83*	
32 31 13 00-0453	EA	14' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,290.01	70.65
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-202.11*	
		For Gate With Single Barb Wire Arm, Add	*118.57*	
		For Gate With Double Barb Wire Arm, Add	*172.47*	
32 31 13 00-0454	EA	16' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,461.66	76.50
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-230.98*	
		For Gate With Single Barb Wire Arm, Add	*135.51*	
		For Gate With Double Barb Wire Arm, Add	*197.11*	
32 31 13 00-0455	EA	18' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,636.55	83.48
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-259.86*	
		For Gate With Single Barb Wire Arm, Add	*152.45*	
		For Gate With Double Barb Wire Arm, Add	*221.75*	
32 31 13 00-0456	EA	20' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,815.58	91.84
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-288.73*	
		For Gate With Single Barb Wire Arm, Add	*169.39*	
		For Gate With Double Barb Wire Arm, Add	*246.38*	
32 31 13 00-0457	EA	22' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,000.18	102.00
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-317.60*	
		For Gate With Single Barb Wire Arm, Add	*186.32*	
		For Gate With Double Barb Wire Arm, Add	*271.02*	
32 31 13 00-0458	EA	24' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,192.48	114.76
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-346.48*	
		For Gate With Single Barb Wire Arm, Add	*203.27*	
		For Gate With Double Barb Wire Arm, Add	*295.66*	
32 31 13 00-0459	EA	26' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,395.72	131.13
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-375.35*	
		For Gate With Single Barb Wire Arm, Add	*220.21*	
		For Gate With Double Barb Wire Arm, Add	*320.30*	
32 31 13 00-0460	EA	28' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,615.33	153.01
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-404.22*	
		For Gate With Single Barb Wire Arm, Add	*237.14*	
		For Gate With Double Barb Wire Arm, Add	*344.94*	
32 31 13 00-0461	EA	30' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,861.24	183.59
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-433.10*	
		For Gate With Single Barb Wire Arm, Add	*254.08*	
		For Gate With Double Barb Wire Arm, Add	*369.58*	

32 31 13 00-0462 8' Fence Height *(32 31 13 00-0381)*

32 31 13 00-0463	EA	3' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	309.93	25.52
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-43.74*	
		For Gate With Single Barb Wire Arm, Add	*25.66*	
		For Gate With Double Barb Wire Arm, Add	*37.33*	
32 31 13 00-0464	EA	4' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	387.70	25.52
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-58.33*	
		For Gate With Single Barb Wire Arm, Add	*34.22*	
		For Gate With Double Barb Wire Arm, Add	*49.77*	
32 31 13 00-0465	EA	5' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	439.55	25.52
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-68.05*	
		For Gate With Single Barb Wire Arm, Add	*39.92*	
		For Gate With Double Barb Wire Arm, Add	*58.07*	
32 31 13 00-0466	EA	6' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	511.32	32.19
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-77.77*	
		For Gate With Single Barb Wire Arm, Add	*45.62*	
		For Gate With Double Barb Wire Arm, Add	*66.36*	
32 31 13 00-0467	EA	7' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	583.09	38.77
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-87.49*	
		For Gate With Single Barb Wire Arm, Add	*51.33*	
		For Gate With Double Barb Wire Arm, Add	*74.66*	
32 31 13 00-0468	EA	8' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	654.09	45.14
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-97.21*	
		For Gate With Single Barb Wire Arm, Add	*57.03*	
		For Gate With Double Barb Wire Arm, Add	*82.95*	
32 31 13 00-0469	EA	9' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	725.86	51.80
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-106.93*	
		For Gate With Single Barb Wire Arm, Add	*62.73*	
		For Gate With Double Barb Wire Arm, Add	*91.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0470	EA	10' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	797.62	58.47
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-116.65*	
		For Gate With Single Barb Wire Arm, Add	*68.44*	
		For Gate With Double Barb Wire Arm, Add	*99.54*	
32 31 13 00-0471	EA	10' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,130.14	65.56
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-174.98*	
		For Gate With Single Barb Wire Arm, Add	*102.65*	
		For Gate With Double Barb Wire Arm, Add	*149.32*	
32 31 13 00-0472	EA	12' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,331.93	70.65
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-209.97*	
		For Gate With Single Barb Wire Arm, Add	*123.18*	
		For Gate With Double Barb Wire Arm, Add	*179.18*	
32 31 13 00-0473	EA	14' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,536.25	76.50
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-244.97*	
		For Gate With Single Barb Wire Arm, Add	*143.72*	
		For Gate With Double Barb Wire Arm, Add	*209.04*	
32 31 13 00-0474	EA	16' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,743.78	83.48
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-279.97*	
		For Gate With Single Barb Wire Arm, Add	*164.25*	
		For Gate With Double Barb Wire Arm, Add	*238.90*	
32 31 13 00-0475	EA	18' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,955.48	91.84
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-314.96*	
		For Gate With Single Barb Wire Arm, Add	*184.78*	
		For Gate With Double Barb Wire Arm, Add	*268.77*	
32 31 13 00-0476	EA	20' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,172.75	102.00
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-349.96*	
		For Gate With Single Barb Wire Arm, Add	*205.31*	
		For Gate With Double Barb Wire Arm, Add	*298.63*	
32 31 13 00-0477	EA	22' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,397.69	114.76
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-384.95*	
		For Gate With Single Barb Wire Arm, Add	*225.84*	
		For Gate With Double Barb Wire Arm, Add	*328.49*	
32 31 13 00-0478	EA	24' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,633.56	131.13
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-419.95*	
		For Gate With Single Barb Wire Arm, Add	*246.37*	
		For Gate With Double Barb Wire Arm, Add	*358.36*	
32 31 13 00-0479	EA	26' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,885.84	153.01
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-454.94*	
		For Gate With Single Barb Wire Arm, Add	*266.90*	
		For Gate With Double Barb Wire Arm, Add	*388.22*	
32 31 13 00-0480	EA	28' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,164.39	183.59
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-489.94*	
		For Gate With Single Barb Wire Arm, Add	*287.43*	
		For Gate With Double Barb Wire Arm, Add	*418.08*	
32 31 13 00-0481	EA	30' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,488.88	229.51
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-524.93*	
		For Gate With Single Barb Wire Arm, Add	*307.96*	
		For Gate With Double Barb Wire Arm, Add	*447.94*	

32 31 13 00-0482 10' Fence Height *(32 31 13 00-0381)*

32 31 13 00-0483	EA	3' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	355.79	28.35
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-50.75*	
		For Gate With Single Barb Wire Arm, Add	*29.77*	
		For Gate With Double Barb Wire Arm, Add	*43.30*	
32 31 13 00-0484	EA	4' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	446.01	28.35
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-67.66*	
		For Gate With Single Barb Wire Arm, Add	*39.69*	
		For Gate With Double Barb Wire Arm, Add	*57.74*	
32 31 13 00-0485	EA	5' Wide x 10' High Gate Single Vinyl Coated Without Barbed Wire Arm	509.90	29.58
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-78.94*	
		For Gate With Single Barb Wire Arm, Add	*46.31*	
		For Gate With Double Barb Wire Arm, Add	*67.36*	
32 31 13 00-0486	EA	6' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	591.49	36.78
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-90.22*	
		For Gate With Single Barb Wire Arm, Add	*52.93*	
		For Gate With Double Barb Wire Arm, Add	*76.98*	
32 31 13 00-0487	EA	7' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	672.33	43.60
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-101.49*	
		For Gate With Single Barb Wire Arm, Add	*59.54*	
		For Gate With Double Barb Wire Arm, Add	*86.61*	
32 31 13 00-0488	EA	8' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	753.93	50.80
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-112.77*	
		For Gate With Single Barb Wire Arm, Add	*66.16*	
		For Gate With Double Barb Wire Arm, Add	*96.23*	
32 31 13 00-0489	EA	9' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	834.76	57.70
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-124.05*	
		For Gate With Single Barb Wire Arm, Add	*72.77*	
		For Gate With Double Barb Wire Arm, Add	*105.85*	
32 31 13 00-0490	EA	10' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	916.36	64.83
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-135.32*	
		For Gate With Single Barb Wire Arm, Add	*79.39*	
		For Gate With Double Barb Wire Arm, Add	*115.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0491	EA	10' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,301.38	72.88
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-202.98*	
		For Gate With Single Barb Wire Arm, Add	*119.08*	
		For Gate With Double Barb Wire Arm, Add	*173.21*	
32 31 13 00-0492	EA	12' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,534.64	78.40
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-243.58*	
		For Gate With Single Barb Wire Arm, Add	*142.90*	
		For Gate With Double Barb Wire Arm, Add	*207.85*	
32 31 13 00-0493	EA	14' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,770.88	85.03
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-284.18*	
		For Gate With Single Barb Wire Arm, Add	*166.72*	
		For Gate With Double Barb Wire Arm, Add	*242.50*	
32 31 13 00-0494	EA	16' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,010.48	92.70
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-324.77*	
		For Gate With Single Barb Wire Arm, Add	*190.53*	
		For Gate With Double Barb Wire Arm, Add	*277.14*	
32 31 13 00-0495	EA	18' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,254.96	102.00
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-365.37*	
		For Gate With Single Barb Wire Arm, Add	*214.35*	
		For Gate With Double Barb Wire Arm, Add	*311.78*	
32 31 13 00-0496	EA	20' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,505.34	113.29
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-405.97*	
		For Gate With Single Barb Wire Arm, Add	*238.17*	
		For Gate With Double Barb Wire Arm, Add	*346.42*	
32 31 13 00-0497	EA	22' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,764.57	127.51
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-446.56*	
		For Gate With Single Barb Wire Arm, Add	*261.98*	
		For Gate With Double Barb Wire Arm, Add	*381.07*	
32 31 13 00-0498	EA	24 Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,035.51	145.60
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-487.16*	
		For Gate With Single Barb Wire Arm, Add	*285.80*	
		For Gate With Double Barb Wire Arm, Add	*415.71*	
32 31 13 00-0499	EA	26' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,325.23	169.98
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-527.76*	
		For Gate With Single Barb Wire Arm, Add	*309.62*	
		For Gate With Double Barb Wire Arm, Add	*450.35*	
32 31 13 00-0500	EA	28' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,643.31	203.84
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-568.35*	
		For Gate With Single Barb Wire Arm, Add	*333.43*	
		For Gate With Double Barb Wire Arm, Add	*484.99*	
32 31 13 00-0501	EA	30' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	4,013.54	255.01
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-608.95*	
		For Gate With Single Barb Wire Arm, Add	*357.25*	
		For Gate With Double Barb Wire Arm, Add	*519.64*	

32 31 13 00-0502 12' Fence Height *(32 31 13 00-0381)*

32 31 13 00-0503	EA	3' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	472.04	31.49
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-70.77*	
		For Gate With Single Barb Wire Arm, Add	*41.52*	
		For Gate With Double Barb Wire Arm, Add	*60.39*	
32 31 13 00-0504	EA	4' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	597.51	31.49
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-94.30*	
		For Gate With Single Barb Wire Arm, Add	*55.32*	
		For Gate With Double Barb Wire Arm, Add	*80.47*	
32 31 13 00-0505	EA	5' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	694.32	32.65
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-111.79*	
		For Gate With Single Barb Wire Arm, Add	*65.59*	
		For Gate With Double Barb Wire Arm, Add	*95.40*	
32 31 13 00-0506	EA	6' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	795.84	40.54
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-126.38*	
		For Gate With Single Barb Wire Arm, Add	*74.14*	
		For Gate With Double Barb Wire Arm, Add	*107.84*	
32 31 13 00-0507	EA	7' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	906.00	48.51
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-142.58*	
		For Gate With Single Barb Wire Arm, Add	*83.65*	
		For Gate With Double Barb Wire Arm, Add	*121.67*	
32 31 13 00-0508	EA	8' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	1,015.40	56.16
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-158.78*	
		For Gate With Single Barb Wire Arm, Add	*93.15*	
		For Gate With Double Barb Wire Arm, Add	*135.49*	
32 31 13 00-0509	EA	9' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	1,125.57	64.06
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-174.98*	
		For Gate With Single Barb Wire Arm, Add	*102.66*	
		For Gate With Double Barb Wire Arm, Add	*149.32*	
32 31 13 00-0510	EA	10' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	1,227.09	71.95
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-189.56*	
		For Gate With Single Barb Wire Arm, Add	*111.21*	
		For Gate With Double Barb Wire Arm, Add	*161.76*	
32 31 13 00-0511	EA	10' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,759.01	80.98
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-284.25*	
		For Gate With Single Barb Wire Arm, Add	*166.76*	
		For Gate With Double Barb Wire Arm, Add	*242.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0512	EA	12' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,130.19	87.19
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-350.35*	
		For Gate With Single Barb Wire Arm, Add	*205.54*	
		For Gate With Double Barb Wire Arm, Add	*298.96*	
32 31 13 00-0513	EA	14' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,465.31	94.43
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-409.07*	
		For Gate With Single Barb Wire Arm, Add	*239.98*	
		For Gate With Double Barb Wire Arm, Add	*349.07*	
32 31 13 00-0514	EA	16' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,802.11	102.95
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-467.39*	
		For Gate With Single Barb Wire Arm, Add	*274.20*	
		For Gate With Double Barb Wire Arm, Add	*398.84*	
32 31 13 00-0515	EA	18' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,140.04	113.38
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-524.94*	
		For Gate With Single Barb Wire Arm, Add	*307.96*	
		For Gate With Double Barb Wire Arm, Add	*447.95*	
32 31 13 00-0516	EA	20' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,488.62	125.87
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-583.27*	
		For Gate With Single Barb Wire Arm, Add	*342.18*	
		For Gate With Double Barb Wire Arm, Add	*497.72*	
32 31 13 00-0517	EA	22' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,847.28	141.64
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-641.60*	
		For Gate With Single Barb Wire Arm, Add	*376.40*	
		For Gate With Double Barb Wire Arm, Add	*547.49*	
32 31 13 00-0518	EA	24' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	4,218.83	161.79
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-699.92*	
		For Gate With Single Barb Wire Arm, Add	*410.62*	
		For Gate With Double Barb Wire Arm, Add	*597.27*	
32 31 13 00-0519	EA	26' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	4,621.63	188.93
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-760.19*	
		For Gate With Single Barb Wire Arm, Add	*445.98*	
		For Gate With Double Barb Wire Arm, Add	*648.70*	
32 31 13 00-0520	EA	28' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	5,045.55	226.50
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-818.52*	
		For Gate With Single Barb Wire Arm, Add	*480.20*	
		For Gate With Double Barb Wire Arm, Add	*698.47*	
32 31 13 00-0521	EA	30' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	5,527.41	283.36
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-876.85*	
		For Gate With Single Barb Wire Arm, Add	*514.42*	
		For Gate With Double Barb Wire Arm, Add	*748.24*	

32 31 13 00-0522 Sliding Gate *(32 31 13 00-0239)*

Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, rails, wheel, rollers, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.

32 31 13 00-0523 4' High Sliding Gate *(32 31 13 00-0522)*

32 31 13 00-0524	EA	10' Long x 4' High Sliding Gate	1,564.09	279.65
		For Gate With Barb Wire Arm, Add	*110.52*	
		For Vinyl Coated, Add	*301.42*	
32 31 13 00-0525	EA	12' Long x 4' High Sliding Gate	1,880.88	337.63
		For Gate With Barb Wire Arm, Add	*132.63*	
		For Vinyl Coated, Add	*361.71*	
32 31 13 00-0526	EA	14' Long x 4' High Sliding Gate	2,194.50	393.89
		For Gate With Barb Wire Arm, Add	*154.73*	
		For Vinyl Coated, Add	*421.99*	
32 31 13 00-0527	EA	16' Long x 4' High Sliding Gate	2,513.05	452.74
		For Gate With Barb Wire Arm, Add	*176.84*	
		For Vinyl Coated, Add	*482.28*	
32 31 13 00-0528	EA	18' Long x 4' High Sliding Gate	2,827.21	509.34
		For Gate With Barb Wire Arm, Add	*198.94*	
		For Vinyl Coated, Add	*542.57*	
32 31 13 00-0529	EA	20' Long x 4' High Sliding Gate	3,130.92	560.69
		For Gate With Barb Wire Arm, Add	*221.05*	
		For Vinyl Coated, Add	*602.85*	
32 31 13 00-0530	EA	24' Long x 4' High Sliding Gate	3,744.06	675.19
		For Gate With Barb Wire Arm, Add	*263.31*	
		For Vinyl Coated, Add	*718.11*	
32 31 13 00-0531	EA	30' Long x 4' High Sliding Gate	5,563.15	1,274.47
		For Gate With Barb Wire Arm, Add	*331.57*	
		For Vinyl Coated, Add	*904.27*	
32 31 13 00-0532	EA	40' Long x 4' High Sliding Gate	7,417.53	1,699.29
		For Gate With Barb Wire Arm, Add	*442.09*	
		For Vinyl Coated, Add	*1,205.69*	

32 31 13 00-0533 5' High Sliding Gate *(32 31 13 00-0522)*

32 31 13 00-0534	EA	10' Long x 5' High Sliding Gate	1,643.03	304.38
		For Gate With Barb Wire Arm, Add	*113.77*	
		For Vinyl Coated, Add	*310.28*	
32 31 13 00-0535	EA	12' Long x 5' High Sliding Gate	1,970.78	364.86
		For Gate With Barb Wire Arm, Add	*136.52*	
		For Vinyl Coated, Add	*372.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0536	EA	14' Long x 5' High Sliding Gate	2,299.10	425.59
		For Gate With Barb Wire Arm, Add	*159.28*	
		For Vinyl Coated, Add	*434.40*	
32 31 13 00-0537	EA	16' Long x 5' High Sliding Gate	2,627.78	486.51
		For Gate With Barb Wire Arm, Add	*182.03*	
		For Vinyl Coated, Add	*496.45*	
32 31 13 00-0538	EA	18' Long x 5' High Sliding Gate	2,956.05	547.16
		For Gate With Barb Wire Arm, Add	*204.79*	
		For Vinyl Coated, Add	*558.51*	
32 31 13 00-0539	EA	20' Long x 5' High Sliding Gate	3,284.55	607.98
		For Gate With Barb Wire Arm, Add	*227.54*	
		For Vinyl Coated, Add	*620.57*	
32 31 13 00-0540	EA	24' Long x 5' High Sliding Gate	3,924.89	730.41
		For Gate With Barb Wire Arm, Add	*271.05*	
		For Vinyl Coated, Add	*739.22*	
32 31 13 00-0541	EA	30' Long x 5' High Sliding Gate	4,927.14	912.19
		For Gate With Barb Wire Arm, Add	*341.31*	
		For Vinyl Coated, Add	*930.85*	
32 31 13 00-0542	EA	40' Long x 5' High Sliding Gate	6,569.09	1,215.97
		For Gate With Barb Wire Arm, Add	*455.08*	
		For Vinyl Coated, Add	*1,241.13*	

32 31 13 00-0543 6' High Sliding Gate *(32 31 13 00-0522)*

32 31 13 00-0544	EA	10' Long x 6' High Sliding Gate	1,768.58	356.85
		For Gate With Barb Wire Arm, Add	*116.04*	
		For Vinyl Coated, Add	*316.49*	
32 31 13 00-0545	EA	12' Long x 6' High Sliding Gate	2,119.79	426.89
		For Gate With Barb Wire Arm, Add	*139.25*	
		For Vinyl Coated, Add	*379.78*	
32 31 13 00-0546	EA	14' Long x 6' High Sliding Gate	2,472.91	497.96
		For Gate With Barb Wire Arm, Add	*162.46*	
		For Vinyl Coated, Add	*443.08*	
32 31 13 00-0547	EA	16' Long x 6' High Sliding Gate	2,826.37	569.21
		For Gate With Barb Wire Arm, Add	*185.67*	
		For Vinyl Coated, Add	*506.37*	
32 31 13 00-0548	EA	18' Long x 6' High Sliding Gate	3,179.51	640.29
		For Gate With Barb Wire Arm, Add	*208.88*	
		For Vinyl Coated, Add	*569.67*	
32 31 13 00-0549	EA	20' Long x 6' High Sliding Gate	3,537.45	713.78
		For Gate With Barb Wire Arm, Add	*232.09*	
		For Vinyl Coated, Add	*632.97*	
32 31 13 00-0550	EA	24' Long x 6' High Sliding Gate	4,221.00	853.87
		For Gate With Barb Wire Arm, Add	*276.46*	
		For Vinyl Coated, Add	*753.99*	
32 31 13 00-0551	EA	30' Long x 6' High Sliding Gate	5,299.99	1,067.61
		For Gate With Barb Wire Arm, Add	*348.13*	
		For Vinyl Coated, Add	*949.45*	
32 31 13 00-0552	EA	40' Long x 6' High Sliding Gate	7,065.48	1,422.82
		For Gate With Barb Wire Arm, Add	*464.18*	
		For Vinyl Coated, Add	*1,265.94*	

32 31 13 00-0553 7' High Sliding Gate *(32 31 13 00-0522)*

32 31 13 00-0554	EA	10' Long x 7' High Sliding Gate	1,892.35	398.03
		For Gate With Barb Wire Arm, Add	*120.59*	
		For Vinyl Coated, Add	*328.89*	
32 31 13 00-0555	EA	12' Long x 7' High Sliding Gate	2,270.19	477.29
		For Gate With Barb Wire Arm, Add	*144.71*	
		For Vinyl Coated, Add	*394.67*	
32 31 13 00-0556	EA	14' Long x 7' High Sliding Gate	2,649.33	557.24
		For Gate With Barb Wire Arm, Add	*168.83*	
		For Vinyl Coated, Add	*460.44*	
32 31 13 00-0557	EA	16' Long x 7' High Sliding Gate	3,027.11	636.50
		For Gate With Barb Wire Arm, Add	*192.95*	
		For Vinyl Coated, Add	*526.22*	
32 31 13 00-0558	EA	18' Long x 7' High Sliding Gate	3,405.63	716.19
		For Gate With Barb Wire Arm, Add	*217.07*	
		For Vinyl Coated, Add	*592.00*	
32 31 13 00-0559	EA	20' Long x 7' High Sliding Gate	3,783.60	795.54
		For Gate With Barb Wire Arm, Add	*241.18*	
		For Vinyl Coated, Add	*657.77*	
32 31 13 00-0560	EA	24' Long x 7' High Sliding Gate	4,521.00	954.58
		For Gate With Barb Wire Arm, Add	*287.30*	
		For Vinyl Coated, Add	*783.54*	
32 31 13 00-0561	EA	30' Long x 7' High Sliding Gate	5,675.38	1,193.22
		For Gate With Barb Wire Arm, Add	*361.77*	
		For Vinyl Coated, Add	*986.66*	
32 31 13 00-0562	EA	40' Long x 7' High Sliding Gate	7,567.17	1,590.99
		For Gate With Barb Wire Arm, Add	*482.37*	
		For Vinyl Coated, Add	*1,315.55*	

32 31 13 00-0563 8' High Sliding Gate *(32 31 13 00-0522)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0564	EA	10' Long x 8' High Sliding Gate	1,991.16	431.20
		For Gate With Barb Wire Arm, Add	*124.16*	
		For Vinyl Coated, Add	*338.63*	
32 31 13 00-0565	EA	12' Long x 8' High Sliding Gate	2,386.92	516.23
		For Gate With Barb Wire Arm, Add	*149.00*	
		For Vinyl Coated, Add	*406.36*	
32 31 13 00-0566	EA	14' Long x 8' High Sliding Gate	2,784.79	602.30
		For Gate With Barb Wire Arm, Add	*173.83*	
		For Vinyl Coated, Add	*474.08*	
32 31 13 00-0567	EA	16' Long x 8' High Sliding Gate	3,182.83	688.37
		For Gate With Barb Wire Arm, Add	*198.66*	
		For Vinyl Coated, Add	*541.81*	
32 31 13 00-0568	EA	18' Long x 8' High Sliding Gate	3,579.91	774.08
		For Gate With Barb Wire Arm, Add	*223.50*	
		For Vinyl Coated, Add	*609.53*	
32 31 13 00-0569	EA	20' Long x 8' High Sliding Gate	3,978.02	860.25
		For Gate With Barb Wire Arm, Add	*248.33*	
		For Vinyl Coated, Add	*677.26*	
32 31 13 00-0570	EA	24' Long x 8' High Sliding Gate	4,753.97	1,032.38
		For Gate With Barb Wire Arm, Add	*295.81*	
		For Vinyl Coated, Add	*806.75*	
32 31 13 00-0571	EA	30' Long x 8' High Sliding Gate	5,967.69	1,290.66
		For Gate With Barb Wire Arm, Add	*372.49*	
		For Vinyl Coated, Add	*1,015.89*	
32 31 13 00-0572	EA	40' Long x 8' High Sliding Gate	7,954.34	1,719.62
		For Gate With Barb Wire Arm, Add	*496.66*	
		For Vinyl Coated, Add	*1,354.52*	

32 31 13 00-0573 9' High Sliding Gate *(32 31 13 00-0522)*

32 31 13 00-0574	EA	10' Long x 9' High Sliding Gate	2,107.96	470.39
		For Gate With Barb Wire Arm, Add	*128.39*	
		For Vinyl Coated, Add	*350.15*	
32 31 13 00-0575	EA	12' Long x 9' High Sliding Gate	2,526.05	562.76
		For Gate With Barb Wire Arm, Add	*154.06*	
		For Vinyl Coated, Add	*420.18*	
32 31 13 00-0576	EA	14' Long x 9' High Sliding Gate	2,946.83	656.40
		For Gate With Barb Wire Arm, Add	*179.74*	
		For Vinyl Coated, Add	*490.21*	
32 31 13 00-0577	EA	16' Long x 9' High Sliding Gate	3,368.38	750.48
		For Gate With Barb Wire Arm, Add	*205.42*	
		For Vinyl Coated, Add	*560.24*	
32 31 13 00-0578	EA	18' Long x 9' High Sliding Gate	3,789.33	844.22
		For Gate With Barb Wire Arm, Add	*231.10*	
		For Vinyl Coated, Add	*630.26*	
32 31 13 00-0579	EA	20' Long x 9' High Sliding Gate	4,210.28	937.95
		For Gate With Barb Wire Arm, Add	*256.78*	
		For Vinyl Coated, Add	*700.30*	
32 31 13 00-0580	EA	24' Long x 9' High Sliding Gate	5,031.53	1,125.42
		For Gate With Barb Wire Arm, Add	*305.87*	
		For Vinyl Coated, Add	*834.19*	
32 31 13 00-0581	EA	30' Long x 9' High Sliding Gate	6,314.64	1,406.63
		For Gate With Barb Wire Arm, Add	*385.16*	
		For Vinyl Coated, Add	*1,050.44*	
32 31 13 00-0582	EA	40' Long x 9' High Sliding Gate	8,422.60	1,877.02
		For Gate With Barb Wire Arm, Add	*513.55*	
		For Vinyl Coated, Add	*1,400.59*	

32 31 13 00-0583 10' High Sliding Gate *(32 31 13 00-0522)*

32 31 13 00-0584	EA	10' Long x 10' High Sliding Gate	2,252.23	517.44
		For Gate With Barb Wire Arm, Add	*133.91*	
		For Vinyl Coated, Add	*365.21*	
32 31 13 00-0585	EA	12' Long x 10' High Sliding Gate	2,702.68	620.90
		For Gate With Barb Wire Arm, Add	*160.69*	
		For Vinyl Coated, Add	*438.25*	
32 31 13 00-0586	EA	14' Long x 10' High Sliding Gate	3,153.47	724.55
		For Gate With Barb Wire Arm, Add	*187.47*	
		For Vinyl Coated, Add	*511.29*	
32 31 13 00-0587	EA	16' Long x 10' High Sliding Gate	3,603.78	828.02
		For Gate With Barb Wire Arm, Add	*214.26*	
		For Vinyl Coated, Add	*584.33*	
32 31 13 00-0588	EA	18' Long x 10' High Sliding Gate	4,054.02	931.41
		For Gate With Barb Wire Arm, Add	*241.04*	
		For Vinyl Coated, Add	*657.37*	
32 31 13 00-0589	EA	20' Long x 10' High Sliding Gate	4,504.47	1,034.87
		For Gate With Barb Wire Arm, Add	*267.82*	
		For Vinyl Coated, Add	*730.42*	
32 31 13 00-0590	EA	24' Long x 10' High Sliding Gate	5,384.82	1,242.33
		For Gate With Barb Wire Arm, Add	*319.03*	
		For Vinyl Coated, Add	*870.07*	
32 31 13 00-0591	EA	30' Long x 10' High Sliding Gate	6,756.69	1,552.31
		For Gate With Barb Wire Arm, Add	*401.73*	
		For Vinyl Coated, Add	*1,095.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0592	EA	40' Long x 10' High Sliding Gate	9,006.46	2,068.55
		For Gate With Barb Wire Arm, Add	*535.64*	
		For Vinyl Coated, Add	*1,460.83*	

32 31 13 00-0593 Sliding Cantilever Gate, Single Track, Manually Operated Exposed Roller *(32 31 13 00-0239)*

Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, rails, wheel, rollers, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, single track, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate. See CSI section 32 31 11 00-0020 for gate operators.

32 31 13 00-0594	EA	5' High x 10' Wide Galvanized Cantilever Sliding Gate	2,842.46	344.61
		For Gate With Single Barb Wire Arm, Add	*236.86*	
		For Gate With Double Barb Wire Arm, Add	*344.52*	
		For Aluminized Steel Gate And Post, Add	*1,033.55*	
		For Powder Coated Gate And Post, Add	*452.18*	
		For Vinyl Coated, Add	*645.97*	
32 31 13 00-0595	EA	5' High x 12' Wide Galvanized Cantilever Sliding Gate	3,161.34	430.77
		For Gate With Single Barb Wire Arm, Add	*252.98*	
		For Gate With Double Barb Wire Arm, Add	*367.97*	
		For Aluminized Steel Gate And Post, Add	*1,103.91*	
		For Powder Coated Gate And Post, Add	*482.96*	
		For Vinyl Coated, Add	*689.94*	
32 31 13 00-0596	EA	5' High x 15' Wide Galvanized Cantilever Sliding Gate	3,482.24	516.92
		For Gate With Single Barb Wire Arm, Add	*269.32*	
		For Gate With Double Barb Wire Arm, Add	*391.74*	
		For Aluminized Steel Gate And Post, Add	*1,175.23*	
		For Powder Coated Gate And Post, Add	*514.16*	
		For Vinyl Coated, Add	*734.52*	
32 31 13 00-0597	EA	5' High x 20' Wide Galvanized Cantilever Sliding Gate	4,153.31	689.23
		For Gate With Single Barb Wire Arm, Add	*305.23*	
		For Gate With Double Barb Wire Arm, Add	*443.98*	
		For Aluminized Steel Gate And Post, Add	*1,331.93*	
		For Powder Coated Gate And Post, Add	*582.72*	
		For Vinyl Coated, Add	*832.46*	
32 31 13 00-0598	EA	6' High x 15' Wide Galvanized Cantilever Sliding Gate	3,900.03	689.23
		For Gate With Single Barb Wire Arm, Add	*277.37*	
		For Gate With Double Barb Wire Arm, Add	*403.45*	
		For Aluminized Steel Gate And Post, Add	*1,210.35*	
		For Powder Coated Gate And Post, Add	*529.53*	
		For Vinyl Coated, Add	*756.47*	
32 31 13 00-0599	EA	6' High x 20' Wide Galvanized Cantilever Sliding Gate	4,649.01	904.61
		For Gate With Single Barb Wire Arm, Add	*312.38*	
		For Gate With Double Barb Wire Arm, Add	*454.37*	
		For Aluminized Steel Gate And Post, Add	*1,363.10*	
		For Powder Coated Gate And Post, Add	*596.36*	
		For Vinyl Coated, Add	*851.94*	
32 31 13 00-0600	EA	6' High x 25' Wide Galvanized Cantilever Sliding Gate	6,099.66	1,119.99
		For Gate With Single Barb Wire Arm, Add	*424.56*	
		For Gate With Double Barb Wire Arm, Add	*617.55*	
		For Aluminized Steel Gate And Post, Add	*1,852.64*	
		For Powder Coated Gate And Post, Add	*810.53*	
		For Vinyl Coated, Add	*1,157.90*	
32 31 13 00-0601	EA	6' High x 30' Wide Galvanized Cantilever Sliding Gate	6,930.38	1,335.38
		For Gate With Single Barb Wire Arm, Add	*468.56*	
		For Gate With Double Barb Wire Arm, Add	*681.54*	
		For Aluminized Steel Gate And Post, Add	*2,044.62*	
		For Powder Coated Gate And Post, Add	*894.52*	
		For Vinyl Coated, Add	*1,277.89*	
32 31 13 00-0602	EA	8' High x 15' Wide Galvanized Cantilever Sliding Gate	4,608.01	861.53
		For Gate With Single Barb Wire Arm, Add	*317.34*	
		For Gate With Double Barb Wire Arm, Add	*461.59*	
		For Aluminized Steel Gate And Post, Add	*1,384.77*	
		For Powder Coated Gate And Post, Add	*605.84*	
		For Vinyl Coated, Add	*865.48*	
32 31 13 00-0603	EA	8' High x 20' Wide Galvanized Cantilever Sliding Gate	5,574.62	1,163.07
		For Gate With Single Barb Wire Arm, Add	*357.33*	
		For Gate With Double Barb Wire Arm, Add	*519.76*	
		For Aluminized Steel Gate And Post, Add	*1,559.27*	
		For Powder Coated Gate And Post, Add	*682.18*	
		For Vinyl Coated, Add	*974.54*	
32 31 13 00-0604	EA	8' High x 25' Wide Galvanized Cantilever Sliding Gate	7,344.34	1,464.61
		For Gate With Single Barb Wire Arm, Add	*485.66*	
		For Gate With Double Barb Wire Arm, Add	*706.42*	
		For Aluminized Steel Gate And Post, Add	*2,119.26*	
		For Powder Coated Gate And Post, Add	*927.18*	
		For Vinyl Coated, Add	*1,324.54*	
32 31 13 00-0605	EA	8' High x 30' Wide Galvanized Cantilever Sliding Gate	8,318.21	1,723.07
		For Gate With Single Barb Wire Arm, Add	*535.93*	
		For Gate With Double Barb Wire Arm, Add	*779.53*	
		For Aluminized Steel Gate And Post, Add	*2,338.60*	
		For Powder Coated Gate And Post, Add	*1,023.14*	
		For Vinyl Coated, Add	*1,461.62*	

32 31 13 00-0606 Gate Accessories *(32 31 13 00-0239)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0607	EA	Gate Center Stop, Cast Steel, Ground	18.10	
32 31 13 00-0608	EA	Gate Latch, Malleable Galvanized Steel	30.21	
32 31 13 00-0609	EA	Gate Keeper, Full Length, Galvanized Steel	131.35	
32 31 13 00-0610	EA	Gate Keeper Hold-Open For Cantilever Gate	67.88	14.56
32 31 13 00-0611	EA	Heavy Duty Gate Latch, Malleable Galvanized Steel	38.55	
32 31 13 00-0612	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For 3' To 5' High Gate	765.21	
32 31 13 00-0613	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >5' To 8' High Gate	820.41	
32 31 13 00-0614	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >8' To 12' High Gate	875.60	

32 31 13 00-0615 Accessories *(32 31 13)*

32 31 13 00-0616 Barbed And Concertina Wire *(32 31 13 00-0615)*

32 31 13 00-0617 Single Strand Barbed Wire *(32 31 13 00-0616)*

32 31 13 00-0618	LF	Galvanized Barbed Wire, Per Strand Note: Includes clips. 4 points 12-1/2 Gauge, Class I.	0.81	0.38
		For >500 To 2,000, Deduct	*-0.08*	
		For >2,000, Deduct	*-0.12*	
32 31 13 00-0619	LF	Vinyl Coated Barbed Wire (Fused), Per Strand Note: Includes clips.	0.89	0.38
		For >500 To 2,000, Deduct	*-0.08*	
		For >2,000, Deduct	*-0.12*	
32 31 13 00-0620	EA	Barbed Wire Extension Arms 3 Strands (Single Arm)	8.35	6.13
32 31 13 00-0621	EA	Barbed Wire Extension Arms 6 Strands (Double Arm)	12.79	7.35
32 31 13 00-0622	EA	Barbed Wire Eye Tops (For Single Strand)	8.95	6.13

32 31 13 00-0623 Galvanized Steel Concertina (Razor) Wire, Single Coil *(32 31 13 00-0616)*

32 31 13 00-0624	LF	18" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	2.53	0.54
		For >500 To 1,500, Deduct	*-0.23*	
		For >1,500 To 5,000, Deduct	*-0.46*	
		For >5,000, Deduct	*-0.66*	
		For Ground Installation, Deduct	*-0.38*	
		For Double Coil (Helix), Add	*1.77*	
32 31 13 00-0625	LF	18" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	3.80	0.54
		For >500 To 1,500, Deduct	*-0.34*	
		For >1,500 To 5,000, Deduct	*-0.68*	
		For >5,000, Deduct	*-0.99*	
		For Ground Installation, Deduct	*-0.57*	
		For Double Coil (Helix), Add	*2.66*	
32 31 13 00-0626	LF	18" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	5.07	0.54
		For >500 To 1,500, Deduct	*-0.46*	
		For >1,500 To 5,000, Deduct	*-0.91*	
		For >5,000, Deduct	*-1.32*	
		For Ground Installation, Deduct	*-0.77*	
		For Double Coil (Helix), Add	*3.54*	
32 31 13 00-0627	LF	24" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	3.10	0.54
		For >500 To 1,500, Deduct	*-0.28*	
		For >1,500 To 5,000, Deduct	*-0.55*	
		For >5,000, Deduct	*-0.79*	
		For Ground Installation, Deduct	*-0.43*	
		For Double Coil (Helix), Add	*2.25*	
32 31 13 00-0628	LF	24" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	4.67	0.54
		For >500 To 1,500, Deduct	*-0.41*	
		For >1,500 To 5,000, Deduct	*-0.83*	
		For >5,000, Deduct	*-1.19*	
		For Ground Installation, Deduct	*-0.64*	
		For Double Coil (Helix), Add	*3.40*	
32 31 13 00-0629	LF	24" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	6.18	0.54
		For >500 To 1,500, Deduct	*-0.55*	
		For >1,500 To 5,000, Deduct	*-1.10*	
		For >5,000, Deduct	*-1.57*	
		For Ground Installation, Deduct	*-0.85*	
		For Double Coil (Helix), Add	*4.49*	
32 31 13 00-0630	LF	30" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	7.40	0.54
		For >500 To 1,500, Deduct	*-0.60*	
		For >1,500 To 5,000, Deduct	*-1.21*	
		For >5,000, Deduct	*-1.67*	
		For Ground Installation, Deduct	*-0.48*	
		For Double Coil (Helix), Add	*6.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0631	LF	30" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	11.20	0.54
		For >500 To 1,500, Deduct	*-0.91*	
		For >1,500 To 5,000, Deduct	*-1.82*	
		For >5,000, Deduct	*-2.53*	
		For Ground Installation, Deduct	*-0.72*	
		For Double Coil (Helix), Add	*9.76*	
32 31 13 00-0632	LF	30" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	14.81	0.54
		For >500 To 1,500, Deduct	*-1.21*	
		For >1,500 To 5,000, Deduct	*-2.41*	
		For >5,000, Deduct	*-3.35*	
		For Ground Installation, Deduct	*-0.96*	
		For Double Coil (Helix), Add	*12.90*	

32 31 13 00-0633 Stainless Steel Concertina (Razor) Wire, Single Coil *(32 31 13 00-0616)*

32 31 13 00-0634	LF	18" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	3.13	0.54
		For >500 To 1,500, Deduct	*-0.27*	
		For >1,500 To 5,000, Deduct	*-0.55*	
		For >5,000, Deduct	*-0.78*	
		For Ground Installation, Deduct	*-0.38*	
		For Double Coil (Helix), Add	*2.37*	
32 31 13 00-0635	LF	18" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	4.71	0.54
		For >500 To 1,500, Deduct	*-0.41*	
		For >1,500 To 5,000, Deduct	*-0.82*	
		For >5,000, Deduct	*-1.17*	
		For Ground Installation, Deduct	*-0.57*	
		For Double Coil (Helix), Add	*3.57*	
32 31 13 00-0636	LF	18" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	6.27	0.54
		For >500 To 1,500, Deduct	*-0.55*	
		For >1,500 To 5,000, Deduct	*-1.09*	
		For >5,000, Deduct	*-1.56*	
		For Ground Installation, Deduct	*-0.77*	
		For Double Coil (Helix), Add	*4.74*	
32 31 13 00-0637	LF	24" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	3.90	0.54
		For >500 To 1,500, Deduct	*-0.34*	
		For >1,500 To 5,000, Deduct	*-0.67*	
		For >5,000, Deduct	*-0.95*	
		For Ground Installation, Deduct	*-0.43*	
		For Double Coil (Helix), Add	*3.05*	
32 31 13 00-0638	LF	24" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	5.88	0.54
		For >500 To 1,500, Deduct	*-0.50*	
		For >1,500 To 5,000, Deduct	*-1.01*	
		For >5,000, Deduct	*-1.43*	
		For Ground Installation, Deduct	*-0.64*	
		For Double Coil (Helix), Add	*4.61*	
32 31 13 00-0639	LF	24" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	7.78	0.54
		For >500 To 1,500, Deduct	*-0.67*	
		For >1,500 To 5,000, Deduct	*-1.34*	
		For >5,000, Deduct	*-1.89*	
		For Ground Installation, Deduct	*-0.85*	
		For Double Coil (Helix), Add	*6.09*	
32 31 13 00-0640	LF	30" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	10.43	0.54
		For >500 To 1,500, Deduct	*-0.83*	
		For >1,500 To 5,000, Deduct	*-1.66*	
		For >5,000, Deduct	*-2.28*	
		For Ground Installation, Deduct	*-0.48*	
		For Double Coil (Helix), Add	*9.48*	
32 31 13 00-0641	LF	30" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	15.79	0.54
		For >500 To 1,500, Deduct	*-1.26*	
		For >1,500 To 5,000, Deduct	*-2.51*	
		For >5,000, Deduct	*-3.45*	
		For Ground Installation, Deduct	*-0.72*	
		For Double Coil (Helix), Add	*14.35*	
32 31 13 00-0642	LF	30" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	20.87	0.54
		For >500 To 1,500, Deduct	*-1.66*	
		For >1,500 To 5,000, Deduct	*-3.32*	
		For >5,000, Deduct	*-4.56*	
		For Ground Installation, Deduct	*-0.96*	
		For Double Coil (Helix), Add	*18.96*	

32 31 13 00-0643 Grounding For Gates *(32 31 13 00-0615)*

Note: Includes two of each of the following per opening: 5/8 ground rods, clamps, braided straps and #6 bare copper wire.

32 31 13 00-0644	OPN	Grounding For Gates (Per Opening)	372.33	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0645		Coiled Spring Reinforcing Wire *(32 31 13 00-0615)*		
32 31 13 00-0646		Galvanized Steel *(32 31 13 00-0645)*		
32 31 13 00-0647	LF	7 Gauge, Galvanized Steel, Reinforcing Wire Coiled Spring	0.87	0.38
32 31 13 00-0648		Vinyl Coated Steel *(32 31 13 00-0645)*		
32 31 13 00-0649	LF	9 Gauge, Vinyl Coated Steel, Reinforcing Wire Coiled Spring	0.87	0.38
32 31 13 00-0650		Bending Of Fabric Around Pipe Railings *(32 31 13 00-0615)*		
		Note: Only where specified.		
32 31 13 00-0651	LF	Bend Chain Link Fence Fabric Around Pipe Railing, Top	1.22	
32 31 13 00-0652	LF	Bend Chain Link Fence Fabric Around Pipe Railing, Bottom	1.06	
32 31 13 00-0653		Mounting Plate With Anchors Or Bolts *(32 31 13 00-0615)*		
		Note: For drilling for anchor or bolts, installing post on or against flat surface.		
32 31 13 00-0654	EA	Mounting Plate For 1-5/8" Diameter Post	27.90	
32 31 13 00-0655	EA	Mounting Plate For 2" Diameter Post	28.29	
32 31 13 00-0656	EA	Mounting Plate For 2-1/2" Diameter Post	29.18	
32 31 13 00-0657	EA	Mounting Plate For 3" Diameter Post	34.67	
32 31 13 00-0658	EA	Mounting Plate For 4" Diameter Post	39.56	
32 31 13 00-0659	EA	Mounting Plate For 6-5/8" Diameter Post	45.44	
32 31 13 00-0660	EA	Mounting Plate For 8-5/8" Diameter Post	53.17	
32 31 13 00-0661		Fence And Gate Repair And Replacement *(32 31 13)*		
32 31 13 00-0662		Fence And Gate Parts Replacement *(32 31 13 00-0661)*		
32 31 13 00-0663	EA	Cantilever Roller Assembly, Ball Bearing With Fittings, Replacement	83.52	
32 31 13 00-0664	EA	Sliding Gate Roller Assembly Replacement	84.18	
32 31 13 00-0665	EA	Rod And Lock Gate Keeper Replacement	81.75	
32 31 13 00-0666	EA	Galvanized Gate Holdback Replacement	19.75	
32 31 13 00-0667	LF	3/8" Cross Bracing Rod Replacement	1.07	
32 31 13 00-0668	LF	1-5/8" Diagonal Pipe Bracing Replacement	1.65	
32 31 13 00-0669	EA	2-3/8" Diameter Cast Steel Gate Hinge With Bolts, Replacement	11.24	
32 31 13 00-0670	EA	3" Diameter Cast Steel Gate Hinge With Bolts, Replacement	13.05	
32 31 13 00-0671	EA	4" Diameter Cast Steel Gate Hinge With Bolts, Replacement	14.80	
32 31 13 00-0672	EA	6-5/8" Diameter Cast Steel Gate Hinge With Bolts, Replacement	26.19	
32 31 13 00-0673	EA	8-5/8" Diameter Cast Steel Gate Hinge With Bolts, Replacement	31.27	
32 31 13 00-0674	EA	2-1/2" x 2" Off Set Gate Hinge Replacement	17.70	
32 31 13 00-0675	EA	3" x 2" Off Set Gate Hinge Replacement	18.51	
32 31 13 00-0676	EA	4" x 2" Off Set Gate Hinge Replacement	19.78	
32 31 13 00-0677	EA	6-5/8" x 2" Off Set Gate Hinge Replacement	30.71	
32 31 13 00-0678	EA	8-5/8" x 2" Off Set Gate Hinge Replacement	46.78	
32 31 13 00-0679	EA	1-5/8" Aluminum Die-Cast Post Cap Replacement	3.92	
32 31 13 00-0680	EA	2" Aluminum Die-Cast Post Cap Replacement	4.29	
32 31 13 00-0681	EA	2-1/2" Aluminum Die-Cast Post Cap Replacement	4.85	
32 31 13 00-0682	EA	3" Aluminum Die-Cast Post Cap Replacement	5.49	
32 31 13 00-0683	EA	2" Galvanized Post Cap Replacement	4.73	
32 31 13 00-0684	EA	2-1/2" Galvanized Post Cap Replacement	5.14	
32 31 13 00-0685	EA	3" Galvanized Post Cap Replacement	5.85	
32 31 13 00-0686	EA	4" Galvanized Post Cap Replacement	8.26	
32 31 13 00-0687	EA	6-5/8" Galvanized Post Cap Replacement	14.41	
32 31 13 00-0688	EA	8-5/8" Galvanized Post Cap Replacement	23.13	
32 31 13 00-0689	EA	1-5/8" Boulevard Clamp Replacement	8.03	
32 31 13 00-0690	EA	2" Boulevard Clamp Replacement	9.76	
32 31 13 00-0691	EA	2-1/2" Boulevard Clamp Replacement	11.45	
32 31 13 00-0692	EA	3" Boulevard Clamp Replacement	13.90	
32 31 13 00-0693	EA	1-5/8" Gate Brace Or End Rail Clamp Replacement	7.90	
32 31 13 00-0694	EA	2" Gate Brace Or End Rail Clamp Replacement	9.59	
32 31 13 00-0695	EA	2-1/2" Gate Brace Or End Rail Clamp Replacement	11.28	
32 31 13 00-0696	EA	3" Gate Brace Or End Rail Clamp Replacement	13.72	
32 31 13 00-0697	EA	1-3/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement	8.21	
32 31 13 00-0698	EA	1-5/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement	8.26	
32 31 13 00-0699	EA	2" Heavy Duty Galvanized Tension Band With Bolt, Replacement	8.41	
32 31 13 00-0700	EA	2-1/2" Heavy Duty Galvanized Tension Band With Bolt, Replacement	8.35	
32 31 13 00-0701	EA	3" Heavy Duty Galvanized Tension Band With Bolt, Replacement	8.46	
32 31 13 00-0702	EA	3-1/2" Heavy Duty Galvanized Tension Band With Bolt, Replacement	8.55	
32 31 13 00-0703	EA	4" Heavy Duty Galvanized Tension Band With Bolt, Replacement	8.81	
32 31 13 00-0704	EA	6-5/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement	10.74	
32 31 13 00-0705		Remove And Reinstall Chain Link Fences *(32 31 13)*		
		Note: Includes removal, storage, cleaning and reinstallation of fence fabric, rails and other components. Excludes post work.		
32 31 13 00-0706	LF	Removal And Reinstallation Of Chain Link Fence Up To 5' Height	15.32	
32 31 13 00-0707	LF	Removal And Reinstallation Of Chain Link Fence 6' To 12' Height	22.99	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0708		**Regulation Baseball Backstop** *(32 31 13)* See CSI section 32 31 13 00-0001 for auguring holes and concrete.		
32 31 13 00-0709	EA	20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Galvanized	8,139.62	1,544.63
32 31 13 00-0710	EA	34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Galvanized	11,672.62	2,059.51
32 31 13 00-0711	EA	48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Galvanized	14,785.65	2,402.76
32 31 13 00-0712	EA	20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Vinyl Coated	11,171.02	1,544.63
32 31 13 00-0713	EA	34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Vinyl Coated	16,208.55	2,059.51
32 31 13 00-0714	EA	48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Vinyl Coated	20,771.51	2,402.76
32 31 13 00-0715		**Regulation Softball Backstop** *(32 31 13)* See CSI section 32 31 13 00-0001 for auguring holes and concrete.		
32 31 13 00-0716		**14' High Softball Backstop** *(32 31 13 00-0715)* Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 00-0717	EA	14' Softball Backstop, Galvanized Regulation	6,953.21	1,498.30
32 31 13 00-0718	EA	14' Softball Backstop, Vinyl Coated Regulation	9,127.38	1,498.30
32 31 13 00-0719		**18' High Softball Backstop** *(32 31 13 00-0715)* Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 00-0720	EA	18' Softball Backstop, Galvanized Regulation	8,084.94	1,665.69
32 31 13 00-0721	EA	18' Softball Backstop Vinyl Coated Regulation	10,714.98	1,665.69
32 31 13 00-0722		**20' High Softball Backstop** *(32 31 13 00-0715)* Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 00-0723	EA	20' Softball Backstop, Galvanized Regulation	9,104.39	1,756.23
32 31 13 00-0724	EA	20' Softball Backstop, Vinyl Coated Regulation	12,225.41	1,756.23
32 31 13 00-0725		**22' High Softball Backstop** *(32 31 13 00-0715)* Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 00-0726	EA	22' Softball Backstop, Galvanized Regulation	10,430.79	1,809.22
32 31 13 00-0727	EA	22' Softball Backstop, Vinyl Coated Regulation	14,182.98	1,809.22
32 31 13 00-0728		**24' High Softball Backstop** *(32 31 13 00-0715)* Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 00-0729	EA	24' Softball Backstop, Galvanized Regulation	12,343.70	2,067.69
32 31 13 00-0730	EA	24' Softball Backstop, Vinyl Coated Regulation	17,007.63	2,067.69
32 31 19		**Decorative Metal Fences And Gates** *(32 31)* See CSI section 32 31 13 00-0001 for drilling and grouting.		
32 31 19 00-0001		**Wrought Iron Fence** *(32 31 19)* Note: Factory primed.		
32 31 19 00-0002		**Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center** *(32 31 19 00-0001)* Note: Factory primed.		
32 31 19 00-0003	LF	3' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	57.97	8.43
		For Verticals Up To 2" On Center, Add	*8.22*	
		For Verticals >2" To 2-1/2" On Center, Add	*4.11*	
		For Verticals >3" To 4" On Center, Deduct	*-4.11*	
		For Verticals >4" To 6" On Center, Deduct	*-8.22*	
32 31 19 00-0004	LF	4' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	75.20	10.73
		For Verticals Up To 2" On Center, Add	*10.90*	
		For Verticals >2" To 2-1/2" On Center, Add	*5.45*	
		For Verticals >3" To 4" On Center, Deduct	*-5.45*	
		For Verticals >4" To 6" On Center, Deduct	*-10.90*	
32 31 19 00-0005	LF	5' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	91.25	11.19
		For Verticals Up To 2" On Center, Add	*13.74*	
		For Verticals >2" To 2-1/2" On Center, Add	*6.87*	
		For Verticals >3" To 4" On Center, Deduct	*-6.87*	
		For Verticals >4" To 6" On Center, Deduct	*-13.74*	
32 31 19 00-0006	LF	6' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	110.70	13.49
		For Verticals Up To 2" On Center, Add	*16.73*	
		For Verticals >2" To 2-1/2" On Center, Add	*8.37*	
		For Verticals >3" To 4" On Center, Deduct	*-8.37*	
		For Verticals >4" To 6" On Center, Deduct	*-16.73*	
32 31 19 00-0007	LF	7' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	132.52	14.28
		For Verticals Up To 2" On Center, Add	*20.80*	
		For Verticals >2" To 2-1/2" On Center, Add	*10.40*	
		For Verticals >3" To 4" On Center, Deduct	*-10.40*	
		For Verticals >4" To 6" On Center, Deduct	*-20.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0008	LF	8' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	154.34	15.02
		For Verticals Up To 2" On Center, Add	*24.86*	
		For Verticals >2" To 2-1/2" On Center, Add	*12.43*	
		For Verticals >3" To 4" On Center, Deduct	*-12.43*	
		For Verticals >4" To 6" On Center, Deduct	*-24.86*	
32 31 19 00-0009	LF	10' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	190.27	16.86
		For Verticals Up To 2" On Center, Add	*31.31*	
		For Verticals >2" To 2-1/2" On Center, Add	*15.66*	
		For Verticals >3" To 4" On Center, Deduct	*-15.66*	
		For Verticals >4" To 6" On Center, Deduct	*-31.31*	
32 31 19 00-0010	LF	12' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	226.31	19.16
		For Verticals Up To 2" On Center, Add	*37.60*	
		For Verticals >2" To 2-1/2" On Center, Add	*18.80*	
		For Verticals >3" To 4" On Center, Deduct	*-18.80*	
		For Verticals >4" To 6" On Center, Deduct	*-37.60*	
32 31 19 00-0011		**Wrought Iron Gates** *(32 31 19 00-0001)*		
		Note: Factory primed.		
32 31 19 00-0012		**Single Wrought Iron Gates** *(32 31 19 00-0011)*		
		Note: Factory primed.		
32 31 19 00-0013	LF	3' Single Wrought Iron Gate, Hardware And Associated Trim	72.15	10.26
32 31 19 00-0014	LF	4' Single Wrought Iron Gate, Hardware And Associated Trim	94.78	12.73
32 31 19 00-0015	LF	5' Single Wrought Iron Gate, Hardware And Associated Trim	116.84	15.32
32 31 19 00-0016	LF	6' Single Wrought Iron Gate, Hardware And Associated Trim	142.43	18.39
32 31 19 00-0017	LF	8' Single Wrought Iron Gate, Hardware And Associated Trim	198.14	20.38
32 31 19 00-0018	LF	10' Single Wrought Iron Gate, Hardware And Associated Trim	243.51	22.53
32 31 19 00-0019	LF	12' Single Wrought Iron Gate, Hardware And Associated Trim	287.96	25.60
32 31 19 00-0020		**Double Wrought Iron Gates** *(32 31 19 00-0011)*		
		Note: Factory primed.		
32 31 19 00-0021	LF	3' Double Wrought Iron Gate, Hardware And Associated Trim	88.88	9.20
32 31 19 00-0022	LF	4' Double Wrought Iron Gate, Hardware And Associated Trim	117.25	11.49
32 31 19 00-0023	LF	5' Double Wrought Iron Gate, Hardware And Associated Trim	144.05	13.79
32 31 19 00-0024	LF	6' Double Wrought Iron Gate, Hardware And Associated Trim	175.27	16.55
32 31 19 00-0025	LF	8' Double Wrought Iron Gate, Hardware And Associated Trim	244.72	18.39
32 31 19 00-0026	LF	10' Double Wrought Iron Gate, Hardware And Associated Trim	301.18	20.22
32 31 19 00-0027	LF	12' Double Wrought Iron Gate, Hardware And Associated Trim	356.58	22.99
32 31 19 00-0028		**Repair Or Replace Wrought Iron Fence** *(32 31 19 00-0001)*		
32 31 19 00-0029	LF	Replace Wrought Iron Picket	17.64	
32 31 19 00-0030	LF	Replace Wrought Iron Post	27.62	
32 31 19 00-0031	EA	Straighten Wrought Iron Post	61.30	
32 31 19 00-0032		**Steel Tube Fence, Galvanized** *(32 31 19)*		
		Note: Pickets are 3/4" square x 16 gauge.		
32 31 19 00-0033		**Steel Tube Fence, 2 Rail** *(32 31 19 00-0032)*		
32 31 19 00-0034	LF	3' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	41.90	8.43
		For Verticals Up To 2" On Center, Add	*5.07*	
		For Verticals >2" To 2-1/2" On Center, Add	*2.54*	
		For Verticals >3" To 4" On Center, Deduct	*-2.54*	
		For Verticals >4" To 6" On Center, Deduct	*-5.07*	
		For Powder Coated Finish, Add	*3.81*	
		For Solid Pickets, Add	*8.19*	
		For Aluminum With Satin Finish, Add	*5.13*	
		For Third Rail, Add	*1.90*	
		For 1" Square x 14 Gauge Pickets, Add	*6.34*	
		For Color, Add	*1.27*	
		For 3" Square Posts, Add	*2.54*	
32 31 19 00-0035	LF	4' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	47.71	9.96
		For Verticals Up To 2" On Center, Add	*5.64*	
		For Verticals >2" To 2-1/2" On Center, Add	*2.82*	
		For Verticals >3" To 4" On Center, Deduct	*-2.82*	
		For Verticals >4" To 6" On Center, Deduct	*-5.64*	
		For Powder Coated Finish, Add	*4.23*	
		For Solid Pickets, Add	*9.27*	
		For Aluminum With Satin Finish, Add	*5.52*	
		For Third Rail, Add	*2.11*	
		For 1" Square x 14 Gauge Pickets, Add	*7.05*	
		For Color, Add	*1.41*	
		For 3" Square Posts, Add	*2.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0036	LF	5' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	51.42	11.19
		For Verticals Up To 2" On Center, Add	*5.78*	
		For Verticals >2" To 2-1/2" On Center, Add	*2.89*	
		For Verticals >3" To 4" On Center, Deduct	*-2.89*	
		For Verticals >4" To 6" On Center, Deduct	*-5.78*	
		For Powder Coated Finish, Add	*4.33*	
		For Solid Pickets, Add	*9.88*	
		For Aluminum With Satin Finish, Add	*5.29*	
		For Third Rail, Add	*2.17*	
		For 1" Square x 14 Gauge Pickets, Add	*7.22*	
		For Color, Add	*1.44*	
		For 3" Square Posts, Add	*2.89*	
32 31 19 00-0037	LF	6' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	59.33	12.65
		For Verticals Up To 2" On Center, Add	*6.81*	
		For Verticals >2" To 2-1/2" On Center, Add	*3.41*	
		For Verticals >3" To 4" On Center, Deduct	*-3.41*	
		For Verticals >4" To 6" On Center, Deduct	*-6.81*	
		For Powder Coated Finish, Add	*5.11*	
		For Solid Pickets, Add	*11.45*	
		For Aluminum With Satin Finish, Add	*6.42*	
		For Third Rail, Add	*2.55*	
		For 1" Square x 14 Gauge Pickets, Add	*8.51*	
		For Color, Add	*1.70*	
		For 3" Square Posts, Add	*3.41*	
32 31 19 00-0038	LF	7' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts	67.48	13.79
		For Verticals Up To 2" On Center, Add	*7.98*	
		For Verticals >2" To 2-1/2" On Center, Add	*3.99*	
		For Verticals >3" To 4" On Center, Deduct	*-3.99*	
		For Verticals >4" To 6" On Center, Deduct	*-7.98*	
		For Powder Coated Finish, Add	*5.98*	
		For Solid Pickets, Add	*13.11*	
		For Aluminum With Satin Finish, Add	*7.83*	
		For Third Rail, Add	*2.99*	
		For 1" Square x 14 Gauge Pickets, Add	*9.97*	
		For Color, Add	*1.99*	
		For 4" Square Posts, Add	*13.96*	
32 31 19 00-0039	LF	8' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts	75.77	15.02
		For Verticals Up To 2" On Center, Add	*9.15*	
		For Verticals >2" To 2-1/2" On Center, Add	*4.57*	
		For Verticals >3" To 4" On Center, Deduct	*-4.57*	
		For Verticals >4" To 6" On Center, Deduct	*-9.15*	
		For Powder Coated Finish, Add	*6.86*	
		For Solid Pickets, Add	*14.80*	
		For Aluminum With Satin Finish, Add	*9.21*	
		For Third Rail, Add	*3.43*	
		For 1" Square x 14 Gauge Pickets, Add	*11.43*	
		For Color, Add	*2.29*	
		For 4" Square Posts, Add	*16.01*	
32 31 19 00-0040	LF	9' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts	87.18	16.09
		For Verticals Up To 2" On Center, Add	*11.00*	
		For Verticals >2" To 2-1/2" On Center, Add	*5.50*	
		For Verticals >3" To 4" On Center, Deduct	*-5.50*	
		For Verticals >4" To 6" On Center, Deduct	*-11.00*	
		For Powder Coated Finish, Add	*8.25*	
		For Solid Pickets, Add	*17.20*	
		For Aluminum With Satin Finish, Add	*11.67*	
		For Third Rail, Add	*4.12*	
		For 1" Square x 14 Gauge Pickets, Add	*13.75*	
		For Color, Add	*2.75*	
		For 4" Square Posts, Add	*19.25*	
32 31 19 00-0041	LF	10' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts	98.73	17.24
		For Verticals Up To 2" On Center, Add	*12.85*	
		For Verticals >2" To 2-1/2" On Center, Add	*6.43*	
		For Verticals >3" To 4" On Center, Deduct	*-6.43*	
		For Verticals >4" To 6" On Center, Deduct	*-12.85*	
		For Powder Coated Finish, Add	*9.64*	
		For Solid Pickets, Add	*19.63*	
		For Aluminum With Satin Finish, Add	*14.10*	
		For Third Rail, Add	*4.82*	
		For 1" Square x 14 Gauge Pickets, Add	*16.06*	
		For Color, Add	*3.21*	
		For 6" Square Posts, Add	*22.49*	
32 31 19 00-0042	LF	12' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts	115.52	19.16
		For Verticals Up To 2" On Center, Add	*15.44*	
		For Verticals >2" To 2-1/2" On Center, Add	*7.72*	
		For Verticals >3" To 4" On Center, Deduct	*-7.72*	
		For Verticals >4" To 6" On Center, Deduct	*-15.44*	
		For Powder Coated Finish, Add	*11.58*	
		For Solid Pickets, Add	*23.12*	
		For Aluminum With Satin Finish, Add	*17.42*	
		For Third Rail, Add	*5.79*	
		For 1" Square x 14 Gauge Pickets, Add	*19.30*	
		For Color, Add	*3.86*	
		For 6" Square Posts, Add	*27.02*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0043	LF	14' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts	123.86	20.69
		For Verticals Up To 2" On Center, Add	*16.50*	
		For Verticals >2" To 2-1/2" On Center, Add	*8.25*	
		For Verticals >3" To 4" On Center, Deduct	*-8.25*	
		For Verticals >4" To 6" On Center, Deduct	*-16.50*	
		For Powder Coated Finish, Add	*12.37*	
		For Solid Pickets, Add	*24.77*	
		For Aluminum With Satin Finish, Add	*18.54*	
		For Third Rail, Add	*6.19*	
		For 1" Square x 14 Gauge Pickets, Add	*20.62*	
		For Color, Add	*4.12*	
		For 6" Square Posts, Add	*28.87*	

32 31 19 00-0044 Steel Tube Swing Gates *(32 31 19 00-0032)*

32 31 19 00-0045 4' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0044)*

32 31 19 00-0046	EA	4' Wide x 4' High Steel Tube Swing Gate, Hardware And Associated Trim	637.64	19.16
		For Solid Pickets, Add	*139.16*	
		For Aluminum With Satin Finish, Add	*165.43*	
		For Third Rail, Add	*43.51*	
		For 1" Square x 14 Gauge Pickets, Add	*58.02*	
		For Color, Add	*29.01*	
32 31 19 00-0047	EA	5' Wide x 4' High Steel Tube Swing Gate, Hardware And Associated Trim	711.09	20.38
		For Solid Pickets, Add	*155.40*	
		For Aluminum With Satin Finish, Add	*185.74*	
		For Third Rail, Add	*48.73*	
		For 1" Square x 14 Gauge Pickets, Add	*64.98*	
		For Color, Add	*32.49*	
32 31 19 00-0048	EA	6' Wide x 4' High Steel Tube Swing Gate, Hardware And Associated Trim	769.79	24.52
		For Solid Pickets, Add	*167.68*	
		For Aluminum With Satin Finish, Add	*197.83*	
		For Third Rail, Add	*52.22*	
		For 1" Square x 14 Gauge Pickets, Add	*69.62*	
		For Color, Add	*34.81*	
32 31 19 00-0049	EA	7' Wide x 4' High Steel Tube Swing Gate, Hardware And Associated Trim	944.48	28.58
		For Solid Pickets, Add	*206.07*	
		For Aluminum With Satin Finish, Add	*244.72*	
		For Third Rail, Add	*64.40*	
		For 1" Square x 14 Gauge Pickets, Add	*85.87*	
		For Color, Add	*42.93*	
32 31 19 00-0050	EA	8' Wide x 4' High Steel Tube Swing Gate, Hardware And Associated Trim	1,060.52	28.58
		For Solid Pickets, Add	*232.18*	
		For Aluminum With Satin Finish, Add	*279.53*	
		For Third Rail, Add	*73.10*	
		For 1" Square x 14 Gauge Pickets, Add	*97.47*	
		For Color, Add	*48.73*	
32 31 19 00-0051	EA	9' Wide x 4' High Steel Tube Swing Gate, Hardware And Associated Trim	1,177.86	36.78
		For Solid Pickets, Add	*256.74*	
		For Aluminum With Satin Finish, Add	*303.71*	
		For Third Rail, Add	*80.06*	
		For 1" Square x 14 Gauge Pickets, Add	*106.75*	
		For Color, Add	*53.38*	
32 31 19 00-0052	EA	10' Wide x 4' High Steel Tube Swing Gate, Hardware And Associated Trim	1,282.93	40.84
		For Solid Pickets, Add	*279.47*	
		For Aluminum With Satin Finish, Add	*329.71*	
		For Third Rail, Add	*87.03*	
		For 1" Square x 14 Gauge Pickets, Add	*116.03*	
		For Color, Add	*58.02*	

32 31 19 00-0053 5' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0044)*

32 31 19 00-0054	EA	4' Wide x 5' High Steel Tube Swing Gate, Hardware And Associated Trim	687.89	20.38
		For Solid Pickets, Add	*150.18*	
		For Aluminum With Satin Finish, Add	*178.78*	
		For Third Rail, Add	*46.99*	
		For 1" Square x 14 Gauge Pickets, Add	*62.66*	
		For Color, Add	*31.33*	
32 31 19 00-0055	EA	5' Wide x 5' High Steel Tube Swing Gate, Hardware And Associated Trim	761.36	21.69
		For Solid Pickets, Add	*166.42*	
		For Aluminum With Satin Finish, Add	*199.09*	
		For Third Rail, Add	*52.22*	
		For 1" Square x 14 Gauge Pickets, Add	*69.62*	
		For Color, Add	*34.81*	
32 31 19 00-0056	EA	6' Wide x 5' High Steel Tube Swing Gate, Hardware And Associated Trim	820.79	26.06
		For Solid Pickets, Add	*178.82*	
		For Aluminum With Satin Finish, Add	*211.06*	
		For Third Rail, Add	*55.70*	
		For 1" Square x 14 Gauge Pickets, Add	*74.26*	
		For Color, Add	*37.13*	
32 31 19 00-0057	EA	7' Wide x 5' High Steel Tube Swing Gate, Hardware And Associated Trim	996.25	30.34
		For Solid Pickets, Add	*217.32*	
		For Aluminum With Satin Finish, Add	*257.84*	
		For Third Rail, Add	*67.88*	
		For 1" Square x 14 Gauge Pickets, Add	*90.51*	
		For Color, Add	*45.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0058	EA	8' Wide x 5' High Steel Tube Swing Gate, Hardware And Associated Trim	1,149.30	34.94
		For Solid Pickets, Add	*250.72*	
		For Aluminum With Satin Finish, Add	*297.54*	
		For Third Rail, Add	*78.32*	
		For 1" Square x 14 Gauge Pickets, Add	*104.43*	
		For Color, Add	*52.22*	
32 31 19 00-0059	EA	9' Wide x 5' High Steel Tube Swing Gate, Hardware And Associated Trim	1,255.15	39.31
		For Solid Pickets, Add	*273.56*	
		For Aluminum With Satin Finish, Add	*323.44*	
		For Third Rail, Add	*85.29*	
		For 1" Square x 14 Gauge Pickets, Add	*113.71*	
		For Color, Add	*56.86*	
32 31 19 00-0060	EA	10' Wide x 5' High Steel Tube Swing Gate, Hardware And Associated Trim	1,384.21	43.60
		For Solid Pickets, Add	*301.62*	
		For Aluminum With Satin Finish, Add	*356.30*	
		For Third Rail, Add	*93.99*	
		For 1" Square x 14 Gauge Pickets, Add	*125.32*	
		For Color, Add	*62.66*	
32 31 19 00-0061		6' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0044)*		
32 31 19 00-0062	EA	4' Wide x 6' High Steel Tube Swing Gate, Hardware And Associated Trim	761.89	21.84
		For Solid Pickets, Add	*166.50*	
		For Aluminum With Satin Finish, Add	*199.01*	
		For Third Rail, Add	*52.22*	
		For 1" Square x 14 Gauge Pickets, Add	*69.62*	
		For Color, Add	*34.81*	
32 31 19 00-0063	EA	5' Wide x 6' High Steel Tube Swing Gate, Hardware And Associated Trim	835.56	23.21
		For Solid Pickets, Add	*182.77*	
		For Aluminum With Satin Finish, Add	*219.29*	
		For Third Rail, Add	*57.44*	
		For 1" Square x 14 Gauge Pickets, Add	*76.58*	
		For Color, Add	*38.29*	
32 31 19 00-0064	EA	6' Wide x 6' High Steel Tube Swing Gate, Hardware And Associated Trim	896.53	28.05
		For Solid Pickets, Add	*195.40*	
		For Aluminum With Satin Finish, Add	*231.03*	
		For Third Rail, Add	*60.92*	
		For 1" Square x 14 Gauge Pickets, Add	*81.22*	
		For Color, Add	*40.61*	
32 31 19 00-0065	EA	7' Wide x 6' High Steel Tube Swing Gate, Hardware And Associated Trim	1,073.54	32.95
		For Solid Pickets, Add	*234.13*	
		For Aluminum With Satin Finish, Add	*277.58*	
		For Third Rail, Add	*73.10*	
		For 1" Square x 14 Gauge Pickets, Add	*97.47*	
		For Color, Add	*48.73*	
32 31 19 00-0066	EA	8' Wide x 6' High Steel Tube Swing Gate, Hardware And Associated Trim	1,212.64	37.55
		For Solid Pickets, Add	*264.40*	
		For Aluminum With Satin Finish, Add	*313.11*	
		For Third Rail, Add	*82.50*	
		For 1" Square x 14 Gauge Pickets, Add	*110.00*	
		For Color, Add	*55.00*	
32 31 19 00-0067	EA	9' Wide x 6' High Steel Tube Swing Gate, Hardware And Associated Trim	1,333.96	42.37
		For Solid Pickets, Add	*290.60*	
		For Aluminum With Satin Finish, Add	*342.95*	
		For Third Rail, Add	*90.51*	
		For 1" Square x 14 Gauge Pickets, Add	*120.68*	
		For Color, Add	*60.34*	
32 31 19 00-0068	EA	10' Wide x 6' High Steel Tube Swing Gate, Hardware And Associated Trim	1,464.54	47.20
		For Solid Pickets, Add	*318.89*	
		For Aluminum With Satin Finish, Add	*375.57*	
		For Third Rail, Add	*99.21*	
		For 1" Square x 14 Gauge Pickets, Add	*132.28*	
		For Color, Add	*66.14*	
32 31 19 00-0069		7' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0044)*		
32 31 19 00-0070	EA	4' Wide x 7' High Steel Tube Swing Gate, Hardware And Associated Trim	775.60	23.53
		For Solid Pickets, Add	*169.21*	
		For Aluminum With Satin Finish, Add	*200.85*	
		For Third Rail, Add	*52.87*	
		For 1" Square x 14 Gauge Pickets, Add	*70.49*	
		For Color, Add	*35.24*	
32 31 19 00-0071	EA	5' Wide x 7' High Steel Tube Swing Gate, Hardware And Associated Trim	862.13	24.75
		For Solid Pickets, Add	*188.40*	
		For Aluminum With Satin Finish, Add	*225.19*	
		For Third Rail, Add	*59.09*	
		For 1" Square x 14 Gauge Pickets, Add	*78.78*	
		For Color, Add	*39.39*	
32 31 19 00-0072	EA	6' Wide x 7' High Steel Tube Swing Gate, Hardware And Associated Trim	944.56	30.12
		For Solid Pickets, Add	*205.74*	
		For Aluminum With Satin Finish, Add	*242.68*	
		For Third Rail, Add	*64.06*	
		For 1" Square x 14 Gauge Pickets, Add	*85.41*	
		For Color, Add	*42.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0073	EA	7' Wide x 7' High Steel Tube Swing Gate, Hardware And Associated Trim	1,163.05	35.24
		For Solid Pickets, Add	*253.76*	
		For Aluminum With Satin Finish, Add	*301.33*	
		For Third Rail, Add	*79.30*	
		For 1" Square x 14 Gauge Pickets, Add	*105.73*	
		For Color, Add	*52.87*	
32 31 19 00-0074	EA	8' Wide x 7' High Steel Tube Swing Gate, Hardware And Associated Trim	1,386.46	40.54
		For Solid Pickets, Add	*302.82*	
		For Aluminum With Satin Finish, Add	*361.11*	
		For Third Rail, Add	*94.85*	
		For 1" Square x 14 Gauge Pickets, Add	*126.46*	
		For Color, Add	*63.23*	
32 31 19 00-0075	EA	9' Wide x 7' High Steel Tube Swing Gate, Hardware And Associated Trim	1,422.51	45.67
		For Solid Pickets, Add	*309.78*	
		For Aluminum With Satin Finish, Add	*365.03*	
		For Third Rail, Add	*96.40*	
		For 1" Square x 14 Gauge Pickets, Add	*128.54*	
		For Color, Add	*64.27*	
32 31 19 00-0076	EA	10' Wide x 7' High Steel Tube Swing Gate, Hardware And Associated Trim	1,562.99	51.04
		For Solid Pickets, Add	*340.18*	
		For Aluminum With Satin Finish, Add	*399.93*	
		For Third Rail, Add	*105.73*	
		For 1" Square x 14 Gauge Pickets, Add	*140.97*	
		For Color, Add	*70.49*	

32 31 19 00-0077 8' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0044)*

32 31 19 00-0078	EA	4' Wide x 8' High Steel Tube Swing Gate, Hardware And Associated Trim	864.43	25.52
		For Solid Pickets, Add	*188.75*	
		For Aluminum With Satin Finish, Add	*224.85*	
		For Third Rail, Add	*59.09*	
		For 1" Square x 14 Gauge Pickets, Add	*78.78*	
		For Color, Add	*39.39*	
32 31 19 00-0079	EA	5' Wide x 8' High Steel Tube Swing Gate, Hardware And Associated Trim	976.89	28.43
		For Solid Pickets, Add	*213.39*	
		For Aluminum With Satin Finish, Add	*254.62*	
		For Third Rail, Add	*66.86*	
		For 1" Square x 14 Gauge Pickets, Add	*89.15*	
		For Color, Add	*44.57*	
32 31 19 00-0080	EA	6' Wide x 8' High Steel Tube Swing Gate, Hardware And Associated Trim	1,008.73	32.19
		For Solid Pickets, Add	*219.72*	
		For Aluminum With Satin Finish, Add	*259.17*	
		For Third Rail, Add	*68.41*	
		For 1" Square x 14 Gauge Pickets, Add	*91.22*	
		For Color, Add	*45.61*	
32 31 19 00-0081	EA	7' Wide x 8' High Steel Tube Swing Gate, Hardware And Associated Trim	1,256.71	38.77
		For Solid Pickets, Add	*274.02*	
		For Aluminum With Satin Finish, Add	*324.60*	
		For Third Rail, Add	*85.52*	
		For 1" Square x 14 Gauge Pickets, Add	*114.02*	
		For Color, Add	*57.01*	
32 31 19 00-0082	EA	8' Wide x 8' High Steel Tube Swing Gate, Hardware And Associated Trim	1,483.18	45.14
		For Solid Pickets, Add	*323.54*	
		For Aluminum With Satin Finish, Add	*383.92*	
		For Third Rail, Add	*101.07*	
		For 1" Square x 14 Gauge Pickets, Add	*134.76*	
		For Color, Add	*67.38*	
32 31 19 00-0083	EA	9' Wide x 8' High Steel Tube Swing Gate, Hardware And Associated Trim	1,544.56	51.80
		For Solid Pickets, Add	*335.86*	
		For Aluminum With Satin Finish, Add	*393.37*	
		For Third Rail, Add	*104.18*	
		For 1" Square x 14 Gauge Pickets, Add	*138.90*	
		For Color, Add	*69.45*	
32 31 19 00-0084	EA	10' Wide x 8' High Steel Tube Swing Gate, Hardware And Associated Trim	1,647.40	58.47
		For Solid Pickets, Add	*357.50*	
		For Aluminum With Satin Finish, Add	*415.26*	
		For Third Rail, Add	*110.39*	
		For 1" Square x 14 Gauge Pickets, Add	*147.19*	
		For Color, Add	*73.60*	

32 31 19 00-0085 Replace Steel Tube Fence Pickets *(32 31 19 00-0032)*

32 31 19 00-0086	LF	Replace 3/4" Square x 16 Gauge Steel Tube Fence Picket	19.65	
		For 1" Square x 14 Gauge Pickets, Add	*0.43*	

32 31 19 00-0087 Remove And Reinstall Ornamental Fences *(32 31 19)*

Note: Removal and reinstallation of fences including storage and cleaning. Excludes augering and concrete.

32 31 19 00-0088	LF	Removal And Reinstallation Of Ornamental Fence Up To 5' Height	34.48	
32 31 19 00-0089	LF	Removal And Reinstallation Of Ornamental Fence, 6' Height	37.93	
32 31 19 00-0090	LF	Removal And Reinstallation Of Ornamental Fence, 7' Height	41.38	
32 31 19 00-0091	LF	Removal And Reinstallation Of Ornamental Fence, 8' Height	44.83	
32 31 19 00-0092	LF	Removal And Reinstallation Of Ornamental Fence, 9' Height	48.27	
32 31 19 00-0093	LF	Removal And Reinstallation Of Ornamental Fence, 10' Height	51.72	
32 31 19 00-0094	LF	Removal And Reinstallation Of Ornamental Fence 12' Height	57.47	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 26		**Wire Fences And Gates** *(32 31)*		
32 31 26 00-0001		Chicken Wire *(32 31 26)*		
		Note: Posts at 4'.		
32 31 26 00-0002	LF	1" Mesh, 4' High Chicken Wire Posts At 4'	6.07	1.37
32 31 26 00-0003	LF	2" Mesh, 6' High Chicken Wire Posts At 4'	6.71	1.37
32 31 26 00-0004		Galvanized Steel *(32 31 26)*		
32 31 26 00-0005		12 Gauge, 2" x 4" Welded Mesh *(32 31 26 00-0004)*		
		Note: Posts 5' on center.		
32 31 26 00-0006	LF	3' High 12 Gauge Galvanized Steel Fence 2" x 4" Mesh, Posts At 5'	7.30	1.37
32 31 26 00-0007	LF	5' High 12 Gauge Galvanized Steel Fence 2" x 4" Mesh, Posts At 5'	7.75	1.37
32 31 26 00-0008		14 Gauge, 1" x 2" Welded Mesh *(32 31 26 00-0004)*		
		Note: Posts 5' on center.		
32 31 26 00-0009	LF	3' High 14 Gauge Galvanized Steel Fence 1" x 2" Mesh, Posts At 5'	7.21	1.37
32 31 26 00-0010	LF	5' High 14 Gauge Galvanized Steel Fence 1" x 2" Mesh, Posts At 5'	7.61	1.37
32 31 26 00-0011		Wire And Screen *(32 31 26)*		
32 31 26 00-0012		Wire And Screen For Partitions And Fences *(32 31 26 00-0011)*		
		Note: Excludes framing and post.		
32 31 26 00-0013		Screen Wire *(32 31 26 00-0012)*		
32 31 26 00-0014	SF	Screen Wire, 48" Wide Rolls	2.17	0.79
32 31 26 00-0015		Hog Wire *(32 31 26 00-0012)*		
32 31 26 00-0016	SF	4" x 4" Hog Wire For Fencing	1.57	0.63
32 31 26 00-0017	SF	6" x 6" Hog Wire For Fencing	1.64	0.71
32 31 26 00-0018		Screen For Partitions And Ceilings *(32 31 26 00-0011)*		
		Note: Can be used to support insulation on walls and ceilings.		
32 31 26 00-0019	SF	1" Mesh Chicken Wire	1.37	
32 31 26 00-0020		Wicket Fence *(32 31 26)*		
32 31 26 00-0021	LF	Steel Wicket Fence, Painted	42.88	4.02
32 31 29		**Wood Fences And Gates** *(32 31)*		
32 31 29 00-0001		Basket Weave *(32 31 29)*		
		Note: 3/8" x 4" boards, 4" x 4" post		
32 31 29 00-0002	LF	6' High #1 Cedar Basket Weave Fence 3/8" x 4" Boards, 4" x 4" Post	23.60	2.74
		For Screwing Of Boards Instead Of Nails, Add	*1.47*	
32 31 29 00-0003	LF	6' High, Pressure Treated Pine Basket Weave 3/8" x 4" Boards, 4" x 4" Post	17.64	2.74
		For Screwing Of Boards Instead Of Nails, Add	*1.19*	
32 31 29 00-0004		Board Fence *(32 31 29)*		
		Note: 1x4" board, 2x4" rail, 4x4" post.		
32 31 29 00-0005	LF	Board Fence, 2 - 2" x 4" Rails, 3' High 1" x 4" Boards, Preservative Treated	15.88	2.74
		For 1" x 6" Boards, Deduct	*-2.03*	
		For 1" x 3" Boards (Stockade Top), Add	*2.63*	
		For Screwing Of Boards Instead Of Nails, Add	*1.11*	
32 31 29 00-0006	LF	Board Fence, 2 - 2" x 4" Rails, 4' High 1" x 4" Boards, Preservative Treated	17.36	2.74
		For 1" x 6" Boards, Deduct	*-2.19*	
		For 1" x 3" Boards (Stockade Top), Add	*2.83*	
		For Screwing Of Boards Instead Of Nails, Add	*1.21*	
32 31 29 00-0007	LF	Board Fence, 3 - 2" x 4" Rails, 5' High 1" x 4" Boards, Preservative Treated	18.71	2.74
		For 1" x 6" Boards, Deduct	*-2.30*	
		For 1" x 3" Boards (Stockade Top), Add	*2.96*	
		For Screwing Of Boards Instead Of Nails, Add	*1.29*	
32 31 29 00-0008	LF	Board Fence, 3 - 2" x 4" Rails, 6' High 1" x 4" Boards, Preservative Treated	19.74	2.74
		For 1" x 6" Boards, Deduct	*-2.40*	
		For 1" x 3" Boards (Stockade Top), Add	*3.09*	
		For Screwing Of Boards Instead Of Nails, Add	*1.35*	
32 31 29 00-0009	LF	Board Fence, 3 - 2" x 4" Rails, 8' High 1" x 4" Boards, Preservative Treated	20.81	2.74
		For 1" x 6" Boards, Deduct	*-2.51*	
		For 1" x 3" Boards (Stockade Top), Add	*3.22*	
		For Screwing Of Boards Instead Of Nails, Add	*1.42*	
32 31 29 00-0010	LF	Board Fence, 2 - 2" x 4" Rails, 3' High 1" x 4" #2 Grade Western Cedar	16.42	2.74
		For 1" x 6" Boards, Deduct	*-2.05*	
		For 1" x 3" Boards (Stockade Top), Add	*2.64*	
		For Screwing Of Boards Instead Of Nails, Add	*1.14*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0011	LF	Board Fence, 2 - 2" x 4" Rails, 4' High 1" x 4" #2 Grade Western Cedar	17.78	2.74
		For 1" x 6" Boards, Deduct	*-2.21*	
		For 1" x 3" Boards (Stockade Top), Add	*2.84*	
		For Screwing Of Boards Instead Of Nails, Add	*1.23*	
32 31 29 00-0012	LF	Board Fence, 3 - 2" x 4" Rails, 5' High 1" x 4" #2 Grade Western Cedar	18.71	2.74
		For 1" x 6" Boards, Deduct	*-2.30*	
		For 1" x 3" Boards (Stockade Top), Add	*2.96*	
		For Screwing Of Boards Instead Of Nails, Add	*1.29*	
32 31 29 00-0013	LF	Board Fence, 3 - 2" x 4" Rails, 6' High 1" x 4" #2 Grade Western Cedar	19.74	2.74
		For 1" x 6" Boards, Deduct	*-2.40*	
		For 1" x 3" Boards (Stockade Top), Add	*3.09*	
		For Screwing Of Boards Instead Of Nails, Add	*1.35*	
32 31 29 00-0014	LF	Board Fence, 3 - 2" x 4" Rails, 8' High 1" x 4" #2 Grade Western Cedar	20.81	2.74
		For 1" x 6" Boards, Deduct	*-2.51*	
		For 1" x 3" Boards (Stockade Top), Add	*3.22*	
		For Screwing Of Boards Instead Of Nails, Add	*1.42*	
32 31 29 00-0015	LF	Board Fence, 2 - 2" x 4" Rails, 3' High 1" x 4" #1 Grade Cedar	16.42	2.74
		For 1" x 6" Boards, Deduct	*-2.05*	
		For 1" x 3" Boards (Stockade Top), Add	*2.64*	
		For Screwing Of Boards Instead Of Nails, Add	*1.14*	
32 31 29 00-0016	LF	Board Fence, 2 - 2" x 4" Rails, 4' High 1" x 4" #1 Grade Cedar	19.64	2.74
		For 1" x 6" Boards, Deduct	*-2.28*	
		For 1" x 3" Boards (Stockade Top), Add	*2.90*	
		For Screwing Of Boards Instead Of Nails, Add	*1.32*	
32 31 29 00-0017	LF	Board Fence, 3 - 2" x 4" Rails, 5' High 1" x 4" #1 Grade Cedar	20.49	2.74
		For 1" x 6" Boards, Deduct	*-2.37*	
		For 1" x 3" Boards (Stockade Top), Add	*3.01*	
		For Screwing Of Boards Instead Of Nails, Add	*1.38*	
32 31 29 00-0018	LF	Board Fence, 3 - 2" x 4" Rails, 6' High 1" x 4" #1 Grade Cedar	21.73	2.74
		For 1" x 6" Boards, Deduct	*-2.48*	
		For 1" x 3" Boards (Stockade Top), Add	*3.15*	
		For Screwing Of Boards Instead Of Nails, Add	*1.45*	
32 31 29 00-0019	LF	Board Fence, 3 - 2" x 4" Rails, 8' High 1" x 4" #1 Grade Cedar	23.03	2.74
		For 1" x 6" Boards, Deduct	*-2.60*	
		For 1" x 3" Boards (Stockade Top), Add	*3.28*	
		For Screwing Of Boards Instead Of Nails, Add	*1.53*	
32 31 29 00-0020		**Shadow Box** *(32 31 29)*		
		Note: 1x6" board, 2x4" Rail, 4x4" post.		
32 31 29 00-0021	LF	Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 6" Pressure Treated Pine	16.45	2.74
		For Screwing Of Boards Instead Of Nails, Add	*1.11*	
32 31 29 00-0022	LF	Shadow Box, 3 - 2" x 4" Rails, 4' High 1" x 4" #1 Cedar	19.97	2.74
		For Screwing Of Boards Instead Of Nails, Add	*1.34*	
32 31 29 00-0023	LF	Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 4" #1 Cedar	21.17	2.74
		For Screwing Of Boards Instead Of Nails, Add	*1.41*	
32 31 29 00-0024	LF	Shadow Box, 3 - 2" x 4" Rails, 8' High 1" x 4" #1 Cedar	22.69	2.74
		For Screwing Of Boards Instead Of Nails, Add	*1.51*	
32 31 29 00-0025		**Open Rail Fence** *(32 31 29)*		
32 31 29 00-0026		**Post And Rail Fence, Ranch Style** *(32 31 29 00-0025)*		
32 31 29 00-0027	LF	Post And Rail Fence, 2 Rails, 3' High #1 Cedar	14.01	2.74
32 31 29 00-0028	LF	Post And Rail Fence, 2 Rails, 3' High #2 Cedar	12.81	2.74
32 31 29 00-0029	LF	Post And Rail Fence, 3 Rails, 4' High #1 Cedar	15.60	2.74
32 31 29 00-0030	LF	Post And Rail Fence, 3 Rails, 4' High #2 Cedar	13.73	2.74
32 31 29 00-0031		**Split Rail Fence** *(32 31 29 00-0025)*		
32 31 29 00-0032	LF	Split Rail Fence, 2 Rails, 3' High #1 Cedar	13.70	2.74
32 31 29 00-0033	LF	Split Rail Fence, 2 Rails, 3' High #2 Cedar	12.80	2.74
32 31 29 00-0034	LF	Split Rail Fence, 3 Rail, 4' High #1 Cedar	15.01	2.74
32 31 29 00-0035	LF	Split Rail Fence, 3 Rail, 4' High #2 Cedar	13.90	2.74
32 31 29 00-0036		**Picket Fence** *(32 31 29)*		
32 31 29 00-0037	LF	Picket Fence, 2 Rail, 3' High, Pressure Treated	15.05	2.74
		For Screwing Of Boards Instead Of Nails, Add	*1.08*	
32 31 29 00-0038	LF	Picket Fence, 2 Rail, 3' High #1 Cedar	14.78	2.74
		For Screwing Of Boards Instead Of Nails, Add	*1.07*	
32 31 29 00-0039		**Wood Gate** *(32 31 29)*		
32 31 29 00-0040		**Board Fence Gates, Pressure Treated Wood** *(32 31 29 00-0039)*		
		Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (treated lumber).		
32 31 29 00-0041	EA	3' To 5' High x 3' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	242.11	97.48
32 31 29 00-0042	EA	3' To 5' High x 3'-6" Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	262.30	103.33
32 31 29 00-0043	EA	3' To 5' High x 4' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	290.28	113.08
32 31 29 00-0044	EA	3' To 5' High x 5' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	318.01	118.93
32 31 29 00-0045	EA	3' To 5' High x 6' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	345.74	124.78
32 31 29 00-0046	EA	>5' To 8' High x 3' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	313.92	128.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0047	EA	>5' To 8' High x 3'-6" Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	335.05	134.53
32 31 29 00-0048	EA	>5' To 8' High x 4' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	356.18	140.38
32 31 29 00-0049	EA	>5' To 8' High x 5' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	386.74	146.23
32 31 29 00-0050	EA	>5' To 8' High x 6' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	412.57	152.08
32 31 29 00-0051		Board Fence Gates, Grade 2 Cedar *(32 31 29 00-0039)*		
		Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)		
32 31 29 00-0052	EA	3' To 5' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	298.92	85.81
32 31 29 00-0053	EA	3' To 5' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	312.04	90.96
32 31 29 00-0054	EA	3' To 5' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	332.98	99.55
32 31 29 00-0055	EA	3' To 5' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	350.82	104.69
32 31 29 00-0056	EA	3' To 5' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	371.49	109.84
32 31 29 00-0057	EA	>5' To 8' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	367.98	113.28
32 31 29 00-0058	EA	>5' To 8' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	382.99	118.42
32 31 29 00-0059	EA	>5' To 8' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	402.72	123.57
32 31 29 00-0060	EA	>5' To 8' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	422.45	128.72
32 31 29 00-0061	EA	>5' To 8' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	442.17	133.87
32 31 29 00-0062		Board Fence Gates, Grade 1 Cedar *(32 31 29 00-0039)*		
		Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)		
32 31 29 00-0063	EA	3' To 5' High x 3' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	313.07	85.81
32 31 29 00-0064	EA	3' To 5' High x 3'-6" Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	328.07	90.96
32 31 29 00-0065	EA	3' To 5' High x 4' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	349.95	99.55
32 31 29 00-0066	EA	3' To 5' High x 5' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	369.67	104.69
32 31 29 00-0067	EA	3' To 5' High x 6' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	389.40	109.84
32 31 29 00-0068	EA	>5' To 8' High x 3' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	386.83	113.28
32 31 29 00-0069	EA	>5' To 8' High x 3'-6" Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	401.85	118.42
32 31 29 00-0070	EA	>5' To 8' High x 4' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	421.58	123.57
32 31 29 00-0071	EA	>5' To 8' High x 5' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	441.31	128.72
32 31 29 00-0072	EA	>5' To 8' High x 6' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	465.74	133.87
32 31 29 00-0073		Pressure Treated Wood Fence Posts *(32 31 29)*		
		See CSI section 32 31 13 00-0001 for drilling augering, 32 31 13 00-0002 for drilling in soil, 32 31 13 00-0015 for drilling in rock, 32 31 13 00-0616 for barbed wire, 32 31 56 00-0014 for barbed wire.		
32 31 29 00-0074	EA	4' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill	23.61	9.75
32 31 29 00-0075	EA	6' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill	25.10	9.75
32 31 29 00-0076	EA	4' High, Pressure Treated Wood Fence Posts, Set In Concrete	43.46	18.72
32 31 29 00-0077	EA	6' High, Pressure Treated Wood Fence Posts, Set In Concrete	45.16	18.72
32 31 56		**Wild Life Deterrent Fence** *(32 31)*		
32 31 56 00-0001		Barbed Wire Fences *(32 31 56)*		
		See CSI section 32 31 13 00-0001 for drilling augering, 32 31 13 00-0002 for drilling in soil, 32 31 13 00-0015 for drilling in rock.		
32 31 56 00-0002		Fence Posts *(32 31 56 00-0001)*		
32 31 56 00-0003		Fence Post Soil, Set In Concrete *(32 31 56 00-0002)*		
32 31 56 00-0004	EA	Barbed Wire Fence Post, Galvanized Set In Concrete In Soil	64.61	6.13
		For Bracing On Corner Post, End Post And Pull Post, Add	*103.56*	
32 31 56 00-0005	EA	Barbed Wire Fence Post, Vinyl Coated Set In Concrete In Soil	84.94	6.13
		For Bracing On Corner Post, End Post And Pull Post, Add	*137.51*	
32 31 56 00-0006		Post In Rock *(32 31 56 00-0002)*		
32 31 56 00-0007	EA	Barbed Wire Fence Post, Galvanized Grouted In Rock	63.26	6.13
		For Bracing On Corner Post, End Post And Pull Post, Add	*101.53*	
32 31 56 00-0008	EA	Barbed Wire Fence Post, Vinyl Coated Grouted In Rock	83.59	6.13
		For Bracing On Corner Post, End Post And Pull Post, Add	*135.48*	
32 31 56 00-0009		Post Driven Into Dirt *(32 31 56 00-0002)*		
		Note: Posts for barb wire, chain link or welded wire mesh.		
32 31 56 00-0010	EA	3' Metal Posts, Driven Into Earth	19.52	
32 31 56 00-0011	EA	4' Metal Posts, Driven Into Earth	21.41	
32 31 56 00-0012	EA	5' Metal Posts, Driven Into Earth	23.91	
32 31 56 00-0013	EA	6' Metal Posts, Driven Into Earth	25.81	
32 31 56 00-0014		Barbed Wire *(32 31 56 00-0001)*		
		Note: Per strand.		
32 31 56 00-0015	LF	Barbed Wire, Galvanized Per Strand	0.67	0.30
32 31 56 00-0016	LF	Barbed Wire, Vinyl Coated Per Strand	0.71	0.30

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 56 00-0017		Barbed Wire Fence, Farm Style, With Wood Posts *(32 31 56 00-0001)* Note: Based on post at 10' centers, two corner post and two pull post per 300 lf.		
32 31 56 00-0018	LF	Barbed Wire, Standard 3 Strand Fence With Posts	8.07	1.53

32 32 Retaining Walls *(32 30)*

32 32 13 Cast-In-Place Concrete Retaining Wall *(32 32)*

Note: System elements include all necessary forms (4 uses), 3000 PSI concrete with an 8" chute, all necessary reinforcing steel, and underdrain. Exposed concrete is patched and rubbed. Excludes initial site grading, subbase preparation or finish grading.

32 32 13 00-0001	LF	4' High With Base, 10" Thick Reinforced	274.05	101.08
		For >3:1 Sloped Soil At Top, Add	*6.12*	
32 32 13 00-0002	LF	6' High With Base, 10" Thick Reinforced	341.74	124.39
		For >3:1 Sloped Soil At Top, Add	*7.90*	
32 32 13 00-0003	LF	8' High With Base, 10" Thick Reinforced	372.16	134.17
		For >3:1 Sloped Soil At Top, Add	*8.83*	
32 32 13 00-0004	LF	10' High With Base, 13" Thick Reinforced	473.74	165.89
		For >3:1 Sloped Soil At Top, Add	*12.07*	
32 32 13 00-0005	LF	12' High With Base, 14" Thick Reinforced	545.92	190.55
		For >3:1 Sloped Soil At Top, Add	*14.00*	
32 32 13 00-0006	LF	16' High With Base, 16" Thick Reinforced	790.04	279.54
		For >3:1 Sloped Soil At Top, Add	*19.64*	
32 32 13 00-0007	LF	20' High With Base, 18" Thick Reinforced	1,084.71	385.93
		For >3:1 Sloped Soil At Top, Add	*26.59*	
32 32 13 00-0008	LF	4' High With Base, 12" Thick Reinforced	301.11	110.39
		For >3:1 Sloped Soil At Top, Add	*6.83*	
32 32 13 00-0009	LF	6' High With Base, 12" Thick Reinforced	368.43	133.01
		For >3:1 Sloped Soil At Top, Add	*8.71*	
32 32 13 00-0010	LF	8' High With Base, 12" Thick Reinforced	389.97	138.79
		For >3:1 Sloped Soil At Top, Add	*9.55*	
32 32 13 00-0011	LF	10' High With Base, 16" Thick Reinforced	536.14	186.00
		For >3:1 Sloped Soil At Top, Add	*13.95*	
32 32 13 00-0012	LF	12' High With Base, 18" Thick Reinforced	680.01	238.92
		For >3:1 Sloped Soil At Top, Add	*17.18*	
32 32 13 00-0013	LF	16' High With Base, 21" Thick Reinforced	1,019.93	362.15
		For >3:1 Sloped Soil At Top, Add	*25.14*	
32 32 13 00-0014	LF	20' High With Base, 24" Thick Reinforced	1,439.44	511.19
		For >3:1 Sloped Soil At Top, Add	*35.45*	

32 32 16 Precast Concrete Retaining Walls *(32 32)*

32 32 16 00-0001		Precast Retaining Walls *(32 32 16)* Note: Tied-back earth walls. Includes precast filter fabric, soil reinforcing mesh and cast-in-place coping. Excludes concrete leveling pad, or select earth excavation and backfill.		
32 32 16 00-0002	SF	Precast Concrete Retaining Walls, 10-15' high Tied-back Earth Walls	37.36	9.56
32 32 16 00-0003	SF	Precast Concrete Retaining Walls, 16-20' High Tied-back Earth Walls	36.95	7.68
32 32 16 00-0004	SF	Precast Concrete Retaining Walls, 21-25' High Tied-back Earth Walls	37.28	6.39
32 32 16 00-0005	SF	Precast Concrete Retaining Walls, 26-30' High Tied-back Earth Walls	39.97	6.39
32 32 16 00-0006	SF	Precast Concrete Retaining Walls, >30' High Tied-back Earth Walls	41.44	5.46

32 32 23 Segmental Retaining Walls *(32 32)*

32 32 23 13 Segmental Concrete Unit Masonry Retaining Walls *(32 32 23)*

32 32 23 13-0001		Modular Retaining Wall Systems *(32 32 23 13)* Note: Includes installation, material and manufacture's wall design. Includes stone wall, cap stones, #57 stone backing, Geo-Grid (2/3 height of wall), miradrain and fill with earth, and compaction. Includes cap at top, pins, and installation. Excludes initial site grading, subbase preparation or finish grading.		
32 32 23 13-0002		"Amastone" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*		
32 32 23 13-0003	SF	Up To 4' Height "Amastone" Type Modular Retaining Wall System	42.59	6.46
		For >3:1 Sloped Soil At Top, Add	*2.52*	
32 32 23 13-0004	SF	4 To 8' Height "Amastone" Type Modular Retaining Wall System	44.93	6.80
		For >3:1 Sloped Soil At Top, Add	*2.66*	
32 32 23 13-0005	SF	8 To 12' Height "Amastone" Type Modular Retaining Wall System	47.00	7.48
		For >3:1 Sloped Soil At Top, Add	*2.72*	
32 32 23 13-0006	SF	12 To 16' Height "Amastone" Type Modular Retaining Wall System	49.17	8.16
		For >3:1 Sloped Soil At Top, Add	*2.79*	
32 32 23 13-0007		"Diamond" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*		
32 32 23 13-0008	SF	Up To 4' Height "Diamond" Type Modular Retaining Wall System	44.14	6.46
		For >3:1 Sloped Soil At Top, Add	*2.65*	
32 32 23 13-0009	SF	4 To 8' Height "Diamond" Type Modular Retaining Wall System	46.48	6.80
		For >3:1 Sloped Soil At Top, Add	*2.79*	
32 32 23 13-0010	SF	8 To 12' Height "Diamond" Type Modular Retaining Wall System	48.55	7.48
		For >3:1 Sloped Soil At Top, Add	*2.86*	
32 32 23 13-0011	SF	12 To 16' Height "Diamond" Type Modular Retaining Wall System	50.72	8.16
		For >3:1 Sloped Soil At Top, Add	*2.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 23 13-0012		"Keystone" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*		
32 32 23 13-0013	SF	Up To 4' Height "Keystone" Type Modular Retaining Wall System	47.85	6.46
		For >3:1 Sloped Soil At Top, Add	*2.97*	
32 32 23 13-0014	SF	4 To 8' Height "Keystone" Type Modular Retaining Wall System	50.18	6.80
		For >3:1 Sloped Soil At Top, Add	*3.11*	
32 32 23 13-0015	SF	8 To 12' Height "Keystone" Type Modular Retaining Wall System	52.25	7.48
		For >3:1 Sloped Soil At Top, Add	*3.17*	
32 32 23 13-0016	SF	12 To 16' Height "Keystone" Type Modular Retaining Wall System	54.43	8.16
		For >3:1 Sloped Soil At Top, Add	*3.24*	
32 32 23 13-0017		"Criblock" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*		
32 32 23 13-0018	SF	Up To 4' Height "Criblock" Type Modular Retaining Wall System	42.59	6.46
		For >3:1 Sloped Soil At Top, Add	*2.52*	
		For Gravel Backfill Instead Of Earth, Add	*0.25*	
32 32 23 13-0019	SF	4 To 8' Height "Criblock" Type Modular Retaining Wall System	44.93	6.80
		For >3:1 Sloped Soil At Top, Add	*2.66*	
		For Gravel Backfill Instead Of Earth, Add	*0.25*	
32 32 23 13-0020	SF	8 To 12' Height "Criblock" Type Modular Retaining Wall System	47.00	7.48
		For >3:1 Sloped Soil At Top, Add	*2.72*	
		For Gravel Backfill Instead Of Earth, Add	*0.25*	
32 32 23 13-0021	SF	12 To 16' Height "Criblock" Type Modular Retaining Wall System	49.17	8.16
		For >3:1 Sloped Soil At Top, Add	*2.79*	
		For Gravel Backfill Instead Of Earth, Add	*0.25*	
32 32 23 13-0022		"Versa-Lok" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*		
32 32 23 13-0023	SF	Up To 4' Height "Versa-Lok" Type Modular Retaining Wall System	37.89	6.46
		For >3:1 Sloped Soil At Top, Add	*2.12*	
32 32 23 13-0024	SF	4 To 8' Height "Versa-Lok" Type Modular Retaining Wall System	41.77	6.80
		For >3:1 Sloped Soil At Top, Add	*2.39*	
32 32 23 13-0025	SF	8 To 12' Height "Versa-Lok" Type Modular Retaining Wall System	43.87	7.48
		For >3:1 Sloped Soil At Top, Add	*2.46*	
32 32 23 13-0026	SF	12 To 16' Height "Versa-Lok" Type Modular Retaining Wall System	45.76	8.16
		For >3:1 Sloped Soil At Top, Add	*2.50*	
32 32 23 13-0027		Cap Block Restoration *(32 32 23 13-0001)*		
		Note: Includes removal of existing cap block and installation of new cap block to match.		
32 32 23 13-0028	LF	Removal And Reinstall Cap Block And Pins	21.17	
		For >3:1 Sloped Soil At Top, Add	*1.01*	
32 32 26		**Metal Crib Retaining Walls** ***(32 32)***		
32 32 26 00-0001		Bin Type Retaining Wall *(32 32 26)*		
32 32 26 00-0002		Vertical Bin Walls *(32 32 26 00-0001)*		
		Note: Excludes excavation and backfill.		
32 32 26 00-0003	SF	5.5' Vertical Bin Retaining Wall, Wall Heights To 11'	43.12	
32 32 26 00-0004	SF	7.7' Vertical Bin Retaining Wall, Wall Heights, 8.33' To 16.33'	50.09	
32 32 26 00-0005	SF	9.9' Vertical Bin Retaining Wall, Wall Heights, 13.67' To 21.67'	58.23	
32 32 26 00-0006	SF	12.1' Vertical Bin Retain Wall, Wall Heights 17.67' To 25.67'	62.41	
32 32 26 00-0007	SF	14.3' Vertical Bin Retain Wall, Wall Heights 20.33' To 28.33'	70.03	
32 32 26 00-0008	SF	16.5' Vertical Bin Retain Wall, Wall Heights 20.33' To 28.33'	74.21	
32 32 26 00-0009		Battered Bin Walls *(32 32 26 00-0001)*		
		Note: Excludes excavation and backfill.		
32 32 26 00-0010	SF	5.5' Battered Bin Retain Wall, Wall Heights To 11'	39.54	
32 32 26 00-0011	SF	7.7' Battered Bin Retain Wall, Wall Heights 8.33' To 16.33'	42.33	
32 32 26 00-0012	SF	9.9' Battered Bin Retain Wall, Wall Heights 13.67' To 21.67'	47.62	
32 32 26 00-0013	SF	12.1' Battered Bin Retain Wall, Wall Heights 17.67' To 25.67'	52.49	
32 32 26 00-0014	SF	14.3' Battered Bin Retain Wall, Wall Heights 20.33' To 28.33'	61.55	
32 32 26 00-0015	SF	16.5' Battered Bin Retain Wall, Wall Heights 20.33' To 28.33'	62.95	
32 32 26 00-0016		Aluminized Steel Bin *(32 32 26)*		
		Note: Excludes excavation and backfill.		
32 32 26 00-0017	SF	4' High, 5.5' Deep Aluminized Steel Bin	26.05	3.72
		For >3:1 Sloped Soil At Top, Add	*1.58*	
		For Galvanized Type, Deduct	*-1.86*	
32 32 26 00-0018	SF	8' High, 5.5' Deep Aluminized Steel Bin	28.96	3.72
		For >3:1 Sloped Soil At Top, Add	*1.82*	
		For Galvanized Type, Deduct	*-2.15*	
32 32 26 00-0019	SF	10' High, 7.7' Deep Aluminized Steel Bin	30.94	4.07
		For >3:1 Sloped Soil At Top, Add	*1.94*	
		For Galvanized Type, Deduct	*-2.29*	
32 32 26 00-0020	SF	12' High, 7.7' Deep Aluminized Steel Bin	35.23	4.58
		For >3:1 Sloped Soil At Top, Add	*2.22*	
		For Galvanized Type, Deduct	*-2.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 26 00-0021	SF	16' High, 7.7' Deep Aluminized Steel Bin	34.09	4.76
		For >3:1 Sloped Soil At Top, Add	*2.10*	
		For Galvanized Type, Deduct	*-2.47*	
32 32 26 00-0022	SF	16' High, 9.9' Deep Aluminized Steel Bin	37.76	4.85
		For >3:1 Sloped Soil At Top, Add	*2.39*	
		For Galvanized Type, Deduct	*-2.82*	
32 32 26 00-0023	SF	20' High, 9.9' Deep Aluminized Steel Bin	41.78	5.10
		For >3:1 Sloped Soil At Top, Add	*2.68*	
		For Galvanized Type, Deduct	*-3.15*	
32 32 26 00-0024	SF	20' High, 12.1' Deep Aluminized Steel Bin	42.81	5.36
		For >3:1 Sloped Soil At Top, Add	*2.73*	
		For Galvanized Type, Deduct	*-3.22*	
32 32 26 00-0025	SF	24' High, 12.1' Deep Aluminized Steel Bin	44.91	5.36
		For >3:1 Sloped Soil At Top, Add	*2.91*	
		For Galvanized Type, Deduct	*-3.42*	
32 32 26 00-0026	SF	24' High, 14.3' Deep Aluminized Steel Bin	47.01	5.45
		For >3:1 Sloped Soil At Top, Add	*3.08*	
		For Galvanized Type, Deduct	*-3.62*	
32 32 26 00-0027	SF	28' High, 14.3' Deep Aluminized Steel Bin	48.53	5.54
		For >3:1 Sloped Soil At Top, Add	*3.19*	
		For Galvanized Type, Deduct	*-3.75*	

32 32 29 Timber Retaining Walls *(32 32)*

32 32 29 00-0001 Wood Post Retaining Walls *(32 32 29)*

Note: System elements include wood posts installed side-by-side to various heights, and underdrain. Excludes initial site grading, subbase preparation or finish grading.

32 32 29 00-0002	LF	4" x 4", 1' High, Redwood	52.52	20.81
		For >3:1 Sloped Soil At Top, Add	*0.93*	
32 32 29 00-0003	LF	4" x 4", 2' High, Redwood	102.84	40.75
		For >3:1 Sloped Soil At Top, Add	*1.82*	
32 32 29 00-0004	LF	4" x 4", 1' High, Cedar	51.12	20.81
		For >3:1 Sloped Soil At Top, Add	*0.81*	
32 32 29 00-0005	LF	4" x 4", 2' High, Cedar	100.12	40.75
		For >3:1 Sloped Soil At Top, Add	*1.59*	
32 32 29 00-0006	LF	4" x 4", 1' High, Pressure Treated Lumber	46.92	18.18
		For >3:1 Sloped Soil At Top, Add	*0.89*	
32 32 29 00-0007	LF	4" x 4", 2' High, Pressure Treated Lumber	91.80	35.56
		For >3:1 Sloped Soil At Top, Add	*1.75*	
32 32 29 00-0008	LF	4" x 4", 1' High, Creosoted Lumber	41.56	16.13
		For >3:1 Sloped Soil At Top, Add	*0.79*	
32 32 29 00-0009	LF	4" x 4", 2' High, Creosoted Lumber	75.15	29.21
		For >3:1 Sloped Soil At Top, Add	*1.42*	
32 32 29 00-0010	LF	6 x 6, 2' High, Redwood	134.52	49.36
		For >3:1 Sloped Soil At Top, Add	*3.04*	
32 32 29 00-0011	LF	6 x 6, 4' High, Redwood	265.03	96.75
		For >3:1 Sloped Soil At Top, Add	*6.09*	
32 32 29 00-0012	LF	6 x 6, 2' High, Cedar	132.96	49.36
		For >3:1 Sloped Soil At Top, Add	*2.91*	
32 32 29 00-0013	LF	6 x 6, 4' High, Cedar	261.14	96.75
		For >3:1 Sloped Soil At Top, Add	*5.75*	
32 32 29 00-0014	LF	6 x 6, 2' High, Pressure Treated Lumber	113.67	40.09
		For >3:1 Sloped Soil At Top, Add	*2.84*	
32 32 29 00-0015	LF	6 x 6, 4' High, Pressure Treated Lumber	225.29	79.15
		For >3:1 Sloped Soil At Top, Add	*5.69*	
32 32 29 00-0016	LF	6 x 6, 2' High, Creosoted Lumber	91.03	32.06
		For >3:1 Sloped Soil At Top, Add	*2.28*	
32 32 29 00-0017	LF	6 x 6, 4' High, Creosoted Lumber	178.75	62.73
		For >3:1 Sloped Soil At Top, Add	*4.53*	
32 32 29 00-0018	LF	8 x 8, 4' High, Redwood	320.61	106.98
		For >3:1 Sloped Soil At Top, Add	*9.06*	
32 32 29 00-0019	LF	8 x 8, 6' High, Redwood	599.38	199.72
		For >3:1 Sloped Soil At Top, Add	*17.00*	
32 32 29 00-0020	LF	8 x 8, 4' High, Cedar	312.83	106.98
		For >3:1 Sloped Soil At Top, Add	*8.40*	
32 32 29 00-0021	LF	8 x 8, 6' High, Cedar	584.60	199.72
		For >3:1 Sloped Soil At Top, Add	*15.74*	
32 32 29 00-0022	LF	8 x 8, 4' High, Pressure Treated Lumber	326.22	123.41
		For >3:1 Sloped Soil At Top, Add	*6.75*	
32 32 29 00-0023	LF	8 x 8, 6' High, Pressure Treated Lumber	608.80	230.47
		For >3:1 Sloped Soil At Top, Add	*12.57*	
32 32 29 00-0024	LF	8 x 8, 4' High, Creosoted Lumber	263.68	99.75
		For >3:1 Sloped Soil At Top, Add	*5.46*	
32 32 29 00-0025	LF	8 x 8, 6' High, Creosoted Lumber	489.09	185.04
		For >3:1 Sloped Soil At Top, Add	*10.12*	
32 32 29 00-0026	LF	Random Diameter Poles, Cedar 4' High	101.73	41.11
		For >3:1 Sloped Soil At Top, Add	*1.65*	
32 32 29 00-0027	LF	Random Diameter Poles, Cedar 6' High	152.22	61.70
		For >3:1 Sloped Soil At Top, Add	*2.45*	
32 32 29 00-0028	LF	Random Diameter Poles, Cedar 8' High	202.63	82.23
		For >3:1 Sloped Soil At Top, Add	*3.24*	
32 32 29 00-0029	LF	Random Diameter Poles, 4' High Creosoted Lumber	65.56	23.22
		For >3:1 Sloped Soil At Top, Add	*1.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 29 00-0030	LF	Random Diameter Poles, 6' High Creosoted Lumber	95.07	33.52
		For >3:1 Sloped Soil At Top, Add	*2.38*	
32 32 29 00-0031	LF	Random Diameter Poles, 8' High	128.63	45.28
		For >3:1 Sloped Soil At Top, Add	*3.24*	

32 32 29 00-0032 Post And Board Retaining Walls *(32 32 29)*

Note: System includes all the elements that must go into a wall that resists lateral pressure. System elements include posts and boards, cap, underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.

32 32 29 00-0033	LF	4 x 4 Post, 4' Spacing, 3' High Redwood, 2" Planking	38.81	12.34
		For >3:1 Sloped Soil At Top, Add	*1.20*	
32 32 29 00-0034	LF	4 x 4 Post, 2' Spacing, 4' High 2" Planking, Redwood	61.24	21.10
		For >3:1 Sloped Soil At Top, Add	*1.62*	
32 32 29 00-0035	LF	6 x 6 Post, 4' Spacing, 5' High 2" Planking, Redwood	79.31	26.21
		For >3:1 Sloped Soil At Top, Add	*2.28*	
32 32 29 00-0036	LF	6 x 6 Post, 3' Spacing, 6' High 2" Planking, Redwood	111.22	37.17
		For >3:1 Sloped Soil At Top, Add	*3.14*	
32 32 29 00-0037	LF	6 x 6 With Deadman, 3' Spacing, 8' High 2" Planking, Redwood	145.31	48.34
		For >3:1 Sloped Soil At Top, Add	*4.13*	
32 32 29 00-0038	LF	8 x 8 Post, 2' Spacing, 8' High 2" Planking, Redwood	295.59	95.66
		For >3:1 Sloped Soil At Top, Add	*8.86*	
32 32 29 00-0039	LF	8 x 8 With Deadman, 2' Spacing, 9' High, 2" Planking, Redwood	332.48	105.95
		For >3:1 Sloped Soil At Top, Add	*10.25*	
32 32 29 00-0040	LF	4 x 4 Post, 4' Spacing, 3' High, 2" Planking, Cedar	39.64	12.85
		For >3:1 Sloped Soil At Top, Add	*1.18*	
32 32 29 00-0041	LF	4 x 4 With Deadman, 2' Spacing, 4' High 2" Planking, Cedar	69.79	22.86
		For >3:1 Sloped Soil At Top, Add	*2.05*	
32 32 29 00-0042	LF	6 x 6 Post, 4' Spacing, 4' High 2" Planking, Cedar	68.58	22.42
		For >3:1 Sloped Soil At Top, Add	*2.02*	
32 32 29 00-0043	LF	6 x 6 Post, 3' Spacing, 5' High 2" Planking, Cedar	96.68	32.21
		For >3:1 Sloped Soil At Top, Add	*2.74*	
32 32 29 00-0044	LF	6 x 6 Post, 2' Spacing, 6' High 2" Planking, Cedar	151.50	51.41
		For >3:1 Sloped Soil At Top, Add	*4.13*	
32 32 29 00-0045	LF	6 x 6 Post With Deadman, 3' Spacing, 6' High, 2" Planking, Cedar	119.07	39.50
		For >3:1 Sloped Soil At Top, Add	*3.41*	
32 32 29 00-0046	LF	8 x 8 Post With Deadman, 2' Spacing, 8' High, 2" Planking, Cedar	305.59	98.73
		For >3:1 Sloped Soil At Top, Add	*9.19*	
32 32 29 00-0047	LF	4 x 4 Post, 4' Spacing, 3' High 2" Planking, Pressure Treated	55.49	23.74
		For >3:1 Sloped Soil At Top, Add	*0.68*	
32 32 29 00-0048	LF	4 x 4 Post, 3' Spacing, 4' High 2" Planking, Pressure Treated	79.81	33.73
		For >3:1 Sloped Soil At Top, Add	*1.05*	
32 32 29 00-0049	LF	4 x 4 Post With Deadman, 2' Space, 5' High, 2" Planking, Pressure Treat	113.95	46.30
		For >3:1 Sloped Soil At Top, Add	*1.82*	
32 32 29 00-0050	LF	6 x 6 Post, 3' Spacing, 6' High, 2" Planking, Pressure Treated	197.93	78.14
		For >3:1 Sloped Soil At Top, Add	*3.54*	
32 32 29 00-0051	LF	6 x 6 Post, 2' Spacing, 7' High, 2" Planking, Pressure Treated	199.88	78.14
		For >3:1 Sloped Soil At Top, Add	*3.70*	
32 32 29 00-0052	LF	6 x 6 Post With Deadman, 3' Spacing 8' High, 2" Planking, Pressure Treat	189.08	75.07
		For >3:1 Sloped Soil At Top, Add	*3.31*	
32 32 29 00-0053	LF	8 x 8 Post With Deadman, 2' Spacing 10' High, 2" Planking, Pressure Treated	441.85	172.71
		For >3:1 Sloped Soil At Top, Add	*8.20*	
32 32 29 00-0054	LF	4 x 4 Post, 4' Spacing, 3' High Creosoted 2" Planking	55.49	23.74
		For >3:1 Sloped Soil At Top, Add	*0.68*	
32 32 29 00-0055	LF	4 x 4 Post, 3' Spacing, 4' High Creosoted, 2" Planking	79.81	33.73
		For >3:1 Sloped Soil At Top, Add	*1.05*	
32 32 29 00-0056	LF	4 x 4 Post With Deadman, 2' Spacing, 5' High, Creosoted, 2" Planking	113.95	46.30
		For >3:1 Sloped Soil At Top, Add	*1.82*	
32 32 29 00-0057	LF	6 x 6 Post, 3' Spacing, 6' High Creosoted, 2" Planking	142.81	57.61
		For >3:1 Sloped Soil At Top, Add	*2.35*	
32 32 29 00-0058	LF	6 x 6 Post, 2' Spacing, 7' High Creosoted, 2" Planking	197.93	78.14
		For >3:1 Sloped Soil At Top, Add	*3.54*	
32 32 29 00-0059	LF	6 x 6 Post With Deadman, 3' Spacing, 8' High, Creosoted, 2" Planking	189.08	75.07
		For >3:1 Sloped Soil At Top, Add	*3.31*	
32 32 29 00-0060	LF	8 x 8 Post With Deadman, 2' Spacing, 10' High, Creosoted, 2" Planking	441.85	172.71
		For >3:1 Sloped Soil At Top, Add	*8.20*	

32 32 29 00-0061 Wood Tie Retaining Walls, Rod Connector At 4' *(32 32 29)*

Note: The system includes all the elements that must go into a wall that resists lateral pressure. System elements include: wood ties, threaded rod (1/2" diameter), underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.

32 32 29 00-0062 Redwood *(32 32 29 00-0061)*

32 32 29 00-0063	LF	2' High, 6" x 6" Wood Tie Wall	69.28	25.26
		For >3:1 Sloped Soil At Top, Add	*1.59*	
32 32 29 00-0064	LF	4' High, 6" x 6" Wood Tie Wall Deadman At 6'	157.98	57.61
		For >3:1 Sloped Soil At Top, Add	*3.64*	
32 32 29 00-0065	LF	6' High, 6" x 6" Wood Tie Wall Deadman At 6'	236.62	86.39
		For >3:1 Sloped Soil At Top, Add	*5.42*	
32 32 29 00-0066	LF	4' High, 8" x 8" Wood Tie Wall Deadman At 6'	222.00	74.05
		For >3:1 Sloped Soil At Top, Add	*6.28*	
32 32 29 00-0067	LF	6' High, 8" x 8" Wood Tie Wall Deadman At 6'	333.48	111.07
		For >3:1 Sloped Soil At Top, Add	*9.46*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 29 00-0068	LF	8' High, 8" x 8" Wood Tie Wall Deadman At 6'	439.91	146.04
		For >3:1 Sloped Soil At Top, Add	*12.57*	

32 32 29 00-0069 Cedar *(32 32 29 00-0061)*

32 32 29 00-0070	LF	2' High, 6" x 6" Wood Tie Wall	68.50	25.26
		For >3:1 Sloped Soil At Top, Add	*1.52*	
32 32 29 00-0071	LF	4' High, 6" x 6" Wood Tie Wall Deadman At 6'	155.65	57.61
		For >3:1 Sloped Soil At Top, Add	*3.44*	
32 32 29 00-0072	LF	6' High, 6" x 6" Wood Tie Wall Deadman At 6'	233.51	86.39
		For >3:1 Sloped Soil At Top, Add	*5.16*	
32 32 29 00-0073	LF	4' High, 8" x 8" Wood Tie Wall Deadman At 6'	216.55	74.05
		For >3:1 Sloped Soil At Top, Add	*5.82*	
32 32 29 00-0074	LF	6' High, 8" x 8" Wood Tie Wall Deadman At 6'	325.70	111.07
		For >3:1 Sloped Soil At Top, Add	*8.80*	
32 32 29 00-0075	LF	8' High, 8" x 8" Wood Tie Wall Deadman At 6'	429.01	146.04
		For >3:1 Sloped Soil At Top, Add	*11.64*	

32 32 29 00-0076 Creosoted Wood *(32 32 29 00-0061)*

32 32 29 00-0077	LF	2' High, 6" x 8" Wood Tie Wall	80.33	33.52
		For >3:1 Sloped Soil At Top, Add	*1.13*	
32 32 29 00-0078	LF	4' High, 6" x 8" Wood Tie Wall Deadman At 6'	184.24	77.11
		For >3:1 Sloped Soil At Top, Add	*2.55*	
32 32 29 00-0079	LF	6' High, 6" x 8" Wood Tie Wall Deadman At 6'	273.04	114.14
		For >3:1 Sloped Soil At Top, Add	*3.80*	
32 32 29 00-0080	LF	4' High, 7" x 9" Wood Tie Wall Deadman At 6'	370.47	155.24
		For >3:1 Sloped Soil At Top, Add	*5.09*	
32 32 29 00-0081	LF	6' High, 7" x 9" Wood Tie Wall Deadman At 6'	539.46	226.16
		For >3:1 Sloped Soil At Top, Add	*7.41*	
32 32 29 00-0082	LF	8' High, 7" x 9" Wood Tie Wall Deadman At 6'	715.66	299.83
		For >3:1 Sloped Soil At Top, Add	*9.86*	

32 32 29 00-0083 Pressure Treated Wood *(32 32 29 00-0061)*

32 32 29 00-0084	LF	2' High, 6" x 6" Wood Tie Wall	59.31	20.88
		For >3:1 Sloped Soil At Top, Add	*1.49*	
32 32 29 00-0085	LF	4' High, 6" x 6" Wood Tie Wall Deadman At 6'	134.70	47.31
		For >3:1 Sloped Soil At Top, Add	*3.41*	
32 32 29 00-0086	LF	6' High, 6" x 6" Wood Tie Wall Deadman At 6'	201.84	70.98
		For >3:1 Sloped Soil At Top, Add	*5.09*	
32 32 29 00-0087	LF	4' High, 8" x 8" Wood Tie Wall Deadman At 6'	225.52	85.36
		For >3:1 Sloped Soil At Top, Add	*4.66*	
32 32 29 00-0088	LF	6' High, 8" x 8" Wood Tie Wall Deadman At 6'	338.35	127.58
		For >3:1 Sloped Soil At Top, Add	*7.08*	
32 32 29 00-0089	LF	8' High, 8" x 8" Wood Tie Wall Deadman At 6'	448.94	169.63
		For >3:1 Sloped Soil At Top, Add	*9.33*	

32 32 53 Stone Retaining Walls *(32 32)*

32 32 53 00-0001 Stone Retaining Walls *(32 32 53)*

Note: Construction is either dry set or mortar set. System elements include concrete base, crushed stone, underdrain, and backfill. Standard design to have 12" thick top with vertical backside and sloped face at 2" per foot of height. Excludes initial site grading, subbase preparation or finish grading.

32 32 53 00-0002 Stone Retaining Walls *(32 32 53 00-0001)*

Note: Stone at $16.00/ton.

32 32 53 00-0003	LF	$16.00/ton 3' High Stone Retaining Wall, Dry Set	331.56	153.08
		For >3:1 Sloped Soil At Top, Add	*2.15*	
32 32 53 00-0004	LF	$16.00/ton 4' High Stone Retaining Wall, Dry Set	391.98	182.12
		For >3:1 Sloped Soil At Top, Add	*2.35*	
32 32 53 00-0005	LF	$16.00/ton 6' High Stone Retaining Wall, Dry Set	516.32	241.96
		For >3:1 Sloped Soil At Top, Add	*2.75*	
32 32 53 00-0006	LF	$16.00/ton 8' High Stone Retaining Wall, Dry Set	798.53	378.32
		For >3:1 Sloped Soil At Top, Add	*3.56*	
32 32 53 00-0007	LF	$16.00/ton 10' High Stone Retaining Wall, Dry Set	1,039.31	494.89
		For >3:1 Sloped Soil At Top, Add	*4.21*	
32 32 53 00-0008	LF	$16.00/ton 12' High Stone Retaining Wall, Dry Set	1,290.94	616.27
		For >3:1 Sloped Soil At Top, Add	*4.96*	
32 32 53 00-0009	LF	$16.00/ton 3' High Stone Retaining Wall, Mortar Set	296.41	135.54
		For >3:1 Sloped Soil At Top, Add	*2.15*	
32 32 53 00-0010	LF	$16.00/ton 4' High Stone Retaining Wall, Mortar Set	348.46	160.36
		For >3:1 Sloped Soil At Top, Add	*2.35*	
32 32 53 00-0011	LF	$16.00/ton 6' High Stone Retaining Wall, Mortar Set	452.08	209.80
		For >3:1 Sloped Soil At Top, Add	*2.75*	
32 32 53 00-0012	LF	$16.00/ton 8' High Stone Retaining Wall, Mortar Set	695.12	326.64
		For >3:1 Sloped Soil At Top, Add	*3.56*	
32 32 53 00-0013	LF	$16.00/ton 10' High Stone Retaining Wall, Mortar Set	894.25	422.39
		For >3:1 Sloped Soil At Top, Add	*4.21*	
32 32 53 00-0014	LF	$16.00/ton 12' High Stone Retaining Wall, Mortar Set	1,112.00	526.85
		For >3:1 Sloped Soil At Top, Add	*4.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 53 00-0015		**Stone Retaining Walls** *(32 32 53 00-0001)* Note: Stone at $32.00/ton.		
32 32 53 00-0016	LF	$32.00/ton 3' High Stone Retaining Wall, Dry Set	339.22	153.08
		For >3:1 Sloped Soil At Top, Add	*2.81*	
32 32 53 00-0017	LF	$32.00/ton 4' High Stone Retaining Wall, Dry Set	402.59	182.12
		For >3:1 Sloped Soil At Top, Add	*3.26*	
32 32 53 00-0018	LF	$32.00/ton 6' High Stone Retaining Wall, Dry Set	531.65	241.96
		For >3:1 Sloped Soil At Top, Add	*4.06*	
32 32 53 00-0019	LF	$32.00/ton 8' High Stone Retaining Wall, Dry Set	820.93	378.32
		For >3:1 Sloped Soil At Top, Add	*5.46*	
32 32 53 00-0020	LF	$32.00/ton 10' High Stone Retaining Wall, Dry Set	1,069.96	494.89
		For >3:1 Sloped Soil At Top, Add	*6.81*	
32 32 53 00-0021	LF	$32.00/ton 12' High Stone Retaining Wall, Dry Set	1,329.84	616.27
		For >3:1 Sloped Soil At Top, Add	*8.27*	
32 32 53 00-0022	LF	$32.00/ton 3' High Stone Retaining Wall, Mortar Set	304.07	135.54
		For >3:1 Sloped Soil At Top, Add	*2.81*	
32 32 53 00-0023	LF	$32.00/ton 4' High Stone Retaining Wall, Mortar Set	359.07	160.36
		For >3:1 Sloped Soil At Top, Add	*3.26*	
32 32 53 00-0024	LF	$32.00/ton 6' High Stone Retaining Wall, Mortar Set	467.41	209.80
		For >3:1 Sloped Soil At Top, Add	*4.06*	
32 32 53 00-0025	LF	$32.00/ton 8' High Stone Retaining Wall, Mortar Set	717.52	326.64
		For >3:1 Sloped Soil At Top, Add	*5.46*	
32 32 53 00-0026	LF	$32.00/ton 10' High Stone Retaining Wall, Mortar Set	924.90	422.39
		For >3:1 Sloped Soil At Top, Add	*6.81*	
32 32 53 00-0027	LF	$32.00/ton 12' High Stone Retaining Wall, Mortar Set	1,150.90	526.85
		For >3:1 Sloped Soil At Top, Add	*8.27*	
32 32 53 00-0028		**Stone Retaining Walls** *(32 32 53 00-0001)* Note: Stone at $48.00/ton.		
32 32 53 00-0029	LF	$48.00/ton 3' High Stone Retaining Wall, Dry Set	347.47	153.08
		For >3:1 Sloped Soil At Top, Add	*3.51*	
32 32 53 00-0030	LF	$48.00/ton 4' High Stone Retaining Wall, Dry Set	413.08	182.12
		For >3:1 Sloped Soil At Top, Add	*4.15*	
32 32 53 00-0031	LF	$48.00/ton 6' High Stone Retaining Wall, Dry Set	546.38	241.96
		For >3:1 Sloped Soil At Top, Add	*5.31*	
32 32 53 00-0032	LF	$48.00/ton 8' High Stone Retaining Wall, Dry Set	843.32	378.32
		For >3:1 Sloped Soil At Top, Add	*7.36*	
32 32 53 00-0033	LF	$48.00/ton 10' High Stone Retaining Wall, Dry Set	1,100.60	494.89
		For >3:1 Sloped Soil At Top, Add	*9.42*	
32 32 53 00-0034	LF	$48.00/ton 12' High Stone Retaining Wall, Dry Set	1,369.32	616.27
		For >3:1 Sloped Soil At Top, Add	*11.62*	
32 32 53 00-0035	LF	$48.00/ton 3' High Stone Retaining Wall, Mortar Set	312.32	135.54
		For >3:1 Sloped Soil At Top, Add	*3.51*	
32 32 53 00-0036	LF	$48.00/ton 4' High Stone Retaining Wall, Mortar Set	369.67	160.36
		For >3:1 Sloped Soil At Top, Add	*4.16*	
32 32 53 00-0037	LF	$48.00/ton 6' High Stone Retaining Wall, Mortar Set	482.14	209.80
		For >3:1 Sloped Soil At Top, Add	*5.31*	
32 32 53 00-0038	LF	$48.00/ton 8' High Stone Retaining Wall, Mortar Set	739.91	326.64
		For >3:1 Sloped Soil At Top, Add	*7.36*	
32 32 53 00-0039	LF	$48.00/ton 10' High Stone Retaining Wall, Mortar Set	955.54	422.39
		For >3:1 Sloped Soil At Top, Add	*9.42*	
32 32 53 00-0040	LF	$48.00/ton 12' High Stone Retaining Wall, Mortar Set	1,190.38	526.85
		For >3:1 Sloped Soil At Top, Add	*11.62*	
32 32 53 00-0041		**Stone Retaining Walls** *(32 32 53 00-0001)* Note: Stone at $64.00/ton.		
32 32 53 00-0042	LF	$64.00/ton 3' High Stone Retaining Wall, Dry Set	355.72	153.08
		For >3:1 Sloped Soil At Top, Add	*4.21*	
32 32 53 00-0043	LF	$64.00/ton 4' High Stone Retaining Wall, Dry Set	412.02	182.12
		For >3:1 Sloped Soil At Top, Add	*4.06*	
32 32 53 00-0044	LF	$64.00/ton 6' High Stone Retaining Wall, Dry Set	562.29	241.96
		For >3:1 Sloped Soil At Top, Add	*6.66*	
32 32 53 00-0045	LF	$64.00/ton 8' High Stone Retaining Wall, Dry Set	866.89	378.32
		For >3:1 Sloped Soil At Top, Add	*9.37*	
32 32 53 00-0046	LF	$64.00/ton 10' High Stone Retaining Wall, Dry Set	1,132.43	494.89
		For >3:1 Sloped Soil At Top, Add	*12.12*	
32 32 53 00-0047	LF	$64.00/ton 12' High Stone Retaining Wall, Dry Set	1,409.40	616.27
		For >3:1 Sloped Soil At Top, Add	*15.03*	
32 32 53 00-0048	LF	$64.00/ton 3' High Stone Retaining Wall, Mortar Set	320.57	135.54
		For >3:1 Sloped Soil At Top, Add	*4.21*	
32 32 53 00-0049	LF	$64.00/ton 4' High Stone Retaining Wall, Mortar Set	380.28	160.36
		For >3:1 Sloped Soil At Top, Add	*5.06*	
32 32 53 00-0050	LF	$64.00/ton 6' High Stone Retaining Wall, Mortar Set	498.05	209.80
		For >3:1 Sloped Soil At Top, Add	*6.66*	
32 32 53 00-0051	LF	$64.00/ton 8' High Stone Retaining Wall, Mortar Set	763.48	326.64
		For >3:1 Sloped Soil At Top, Add	*9.37*	
32 32 53 00-0052	LF	$64.00/ton 10' High Stone Retaining Wall, Mortar Set	987.37	422.39
		For >3:1 Sloped Soil At Top, Add	*12.12*	
32 32 53 00-0053	LF	$64.00/ton 12' High Stone Retaining Wall, Mortar Set	1,230.46	526.85
		For >3:1 Sloped Soil At Top, Add	*15.03*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 Site Furnishings *(32 30)*				
32 33 13 Site Bicycle Racks *(32 33)*				
32 33 13 00-0001		Bicycle Organizer And Rack *(32 33 13)*		
32 33 13 00-0002		Vertical Style Bike Racks Single/Double Sided, Galvanized *(32 33 13 00-0001)*		
32 33 13 00-0003		Double Sided *(32 33 13 00-0002)*		
32 33 13 00-0004	EA	5' Galvanized Steel Double Sided Bike Rack, 9 Bikes	480.24	96.10
32 33 13 00-0005	EA	10' Galvanized Steel Double Sided Bike Rack, 18 Bikes	728.62	157.87
32 33 13 00-0006	EA	20' Galvanized Steel Double Sided Bike Rack, 36 Bikes	1,245.18	240.26
32 33 13 00-0007		Single Sided *(32 33 13 00-0002)*		
32 33 13 00-0008	EA	5' Galvanized Steel Single Sided Bike Rack, 5 Bikes	420.90	85.80
32 33 13 00-0009	EA	10' Galvanized Steel Single Sided Bike Rack, 9 Bikes	601.02	142.78
32 33 13 00-0010	EA	20' Galvanized Steel Single Sided Bike Rack, 18 Bikes	1,022.25	214.51
32 33 13 00-0011		Anchor Set For Vertical Style Bike Rack *(32 33 13 00-0002)*		
32 33 13 00-0012	PR	Anchor Set For Vertical Style Bike Rack Note: Anchoring frame to ground.	83.62	
32 33 13 00-0013		Bike Racks Ground Loop *(32 33 13 00-0001)* Note: In-ground mount.		
32 33 13 00-0014	EA	83" Ground Loop Bike Rack, Surface Or Wall Mounted, 12 Bikes	660.37	168.38
32 33 13 00-0015		Serpentine Bike Racks *(32 33 13 00-0001)* Note: In-ground mount.		
32 33 13 00-0016		Galvanized, 36" High, 2-3/8" OD Tubing *(32 33 13 00-0015)*		
32 33 13 00-0017	EA	1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Galvanized	370.41	102.96
32 33 13 00-0018	EA	3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Galvanized	493.20	111.55
32 33 13 00-0019	EA	5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Galvanized	616.00	120.13
32 33 13 00-0020	EA	7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Galvanized	753.86	128.71
32 33 13 00-0021	EA	9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Galvanized	891.74	137.28
32 33 13 00-0022	EA	11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Galvanized	969.27	145.86
32 33 13 00-0023		Galvanized, 42" High, 2-3/8" OD Tubing *(32 33 13 00-0015)*		
32 33 13 00-0024	EA	1' x 42" High Serpentine Bike Rack, 3 Bikes, Galvanized	414.65	102.96
32 33 13 00-0025	EA	3' x 42" High Serpentine Bike Rack, 5 Bikes, Galvanized	525.09	111.55
32 33 13 00-0026	EA	5' x 42" High Serpentine Bike Rack, 7 Bikes, Galvanized	635.54	120.13
32 33 13 00-0027	EA	7' x 42" High Serpentine Bike Rack, 9 Bikes, Galvanized	734.32	128.71
32 33 13 00-0028	EA	9' x 42" High Serpentine Bike Rack, 11 Bikes, Galvanized	844.76	137.28
32 33 13 00-0029	EA	11' x 42" High Serpentine Bike Rack, 13 Bikes, Galvanized	978.53	145.86
32 33 13 00-0030		Powder Coated, 36" High, 2-3/8" OD Tubing *(32 33 13 00-0015)*		
32 33 13 00-0031	EA	1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Powder Coated	370.41	102.96
32 33 13 00-0032	EA	3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Powder Coated	493.20	111.55
32 33 13 00-0033	EA	5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Powder Coated	616.00	120.13
32 33 13 00-0034	EA	7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Powder Coated	753.86	128.71
32 33 13 00-0035	EA	9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Powder Coated	891.74	137.28
32 33 13 00-0036	EA	11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Powder Coated	969.27	145.86
32 33 13 00-0037		Powder Coated, 42" High, 2-3/8" OD Tubing *(32 33 13 00-0015)*		
32 33 13 00-0038	EA	1' x 42" High Serpentine Bike Rack, 3 Bikes, Powder Coated	426.31	102.96
32 33 13 00-0039	EA	3' x 42" High Serpentine Bike Rack, 5 Bikes, Powder Coated	548.41	111.55
32 33 13 00-0040	EA	5' x 42" High Serpentine Bike Rack, 7 Bikes, Powder Coated	658.86	120.13
32 33 13 00-0041	EA	7' x 42" High Serpentine Bike Rack, 9 Bikes, Powder Coated	792.62	128.71
32 33 13 00-0042	EA	9' x 42" High Serpentine Bike Rack, 11 Bikes, Powder Coated	903.06	137.28
32 33 13 00-0043	EA	11' x 42" High Serpentine Bike Rack, 13 Bikes, Powder Coated	1,048.49	145.86
32 33 13 00-0044		Stainless Steel, 36" High, 2-3/8" OD Tubing *(32 33 13 00-0015)*		
32 33 13 00-0045	EA	1' x 36" High Serpentine Bike Rack, 3 Bikes, Stainless Steel	667.66	102.96
32 33 13 00-0046	EA	3' x 36" High Serpentine Bike Rack, 5 Bikes, Stainless Steel	981.34	111.55
32 33 13 00-0047	EA	5' x 36" High Serpentine Bike Rack, 7 Bikes, Stainless Steel	1,295.04	120.13
32 33 13 00-0048	EA	7' x 36" High Serpentine Bike Rack, 9 Bikes, Stainless Steel	1,651.08	128.71
32 33 13 00-0049	EA	9' x 36" High Serpentine Bike Rack, 11 Bikes, Stainless Steel	2,007.11	137.28
32 33 13 00-0050	EA	11' x 36" High Serpentine Bike Rack, 13 Bikes, Stainless Steel	2,193.73	145.86
32 33 13 00-0051		Stainless Steel, 42" High, 2-3/8" OD Tubing *(32 33 13 00-0015)*		
32 33 13 00-0052	EA	1' x 42" High Serpentine Bike Rack, 3 Bikes, Stainless Steel	531.25	102.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 13 00-0053	EA	3' x 42" High Serpentine Bike Rack, 5 Bikes, Stainless Steel	1,131.43	111.55
32 33 13 00-0054	EA	5' x 42" High Serpentine Bike Rack, 7 Bikes, Stainless Steel	1,475.09	120.13
32 33 13 00-0055	EA	7' x 42" High Serpentine Bike Rack, 9 Bikes, Stainless Steel	1,795.40	128.71
32 33 13 00-0056	EA	9' x 42" High Serpentine Bike Rack, 11 Bikes, Stainless Steel	2,127.39	137.28
32 33 13 00-0057	EA	11' x 42" High Serpentine Bike Rack, 13 Bikes, Stainless Steel	2,471.05	145.86
32 33 13 00-0058		Bike Racks Bollards/Bicycle Posts *(32 33 13 00-0001)*		
		Note: In-ground mount.		
32 33 13 00-0059	EA	43" Overall Height, 4-1/2" Outside Diameter Bollard/Bicycle Post, 2 Loop Galvanized Steel Bollard (Belson BOL450-2R-IG-G)	369.17	77.23
32 33 23		**Site Trash and Litter Receptacles** *(32 33)*		
32 33 23 00-0001		Steel Trash Containment *(32 33 23)*		
32 33 23 00-0002		Steel Frame Surrounded With Kiln-Dried Wood *(32 33 23 00-0001)*		
32 33 23 00-0003	EA	13" x 13" x 30" Ash Receptacle Steel Frame, Kiln Dried Wood	378.26	40.99
32 33 23 00-0004	EA	24" x 24" x 30" High Open Top Trash Container Steel Frame, Kiln Dried Wood	361.36	40.99
32 33 23 00-0005	EA	21" x 21" x 31" High Flat Top Trash Container Steel Frame, Kiln Dried Wood	361.36	40.99
32 33 23 00-0006	EA	24" x 24" x 31" High, Flat Top Trash Container Steel Frame, Kiln Dried Wood	342.36	40.99
32 33 23 00-0007	EA	18" x 18" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood	378.26	40.99
32 33 23 00-0008	EA	23" x 23" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood	342.36	40.99
32 33 23 00-0009	EA	24" x 24" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood	466.94	40.99
32 33 23 00-0010		Square Steel Frames Surrounded With Flat Steel *(32 33 23 00-0001)*		
32 33 23 00-0011	EA	26" Diameter x 34" High Open Top Trash Square Container Steel Frame, Flat Steel Surround	679.44	40.99
32 33 23 00-0012	EA	26" Diameter x 34" High Dome Top Trash Square Container Steel Frame, Flat Steel Surround	733.10	40.99
32 33 23 00-0013	EA	26" Diameter x 39" High Dome Top Trash Square Container Steel Frame, Flat Steel Surround	733.10	40.99
32 33 23 00-0014		Round Steel Pipe And Flat Steel Frames *(32 33 23 00-0001)*		
		Note: Surrounded with kiln-dried wood.		
32 33 23 00-0015	EA	21" Diameter x 32" High Open Top Trash Container Steel Pipe, Flat Steel Frame, Kiln Dried Wood	1,001.41	40.99
32 33 23 00-0016	EA	21" Diameter x 32" High Flat Top Trash Steel Container Pipe, Flat Steel Frame, Kiln Dried Wood	1,078.07	40.99
32 33 23 00-0017	EA	21" Diameter x 39" High Dome Top Trash Steel Container Pipe, Flat Steel Frame, Kiln Dried Wood	1,240.97	40.99
32 33 23 00-0018	EA	21" Diameter x 40" High HPR Top Trash Container Steel Pipe, Flat Steel Frame, Kiln Dried Wood	1,125.99	40.99
32 33 23 00-0019		Round Steel Pipe Surrounded With Perforated *(32 33 23 00-0001)*		
32 33 23 00-0020	EA	21" Diameter x 32" High Open Top Trash Container Perforated Round Steel Pipe	896.01	40.99
32 33 23 00-0021	EA	21" Diameter x 32" High Flat Top Trash Container Perforated Round Steel Pipe	972.67	40.99
32 33 23 00-0022	EA	21" Diameter x 39" High Dome Top Trash Container Perforated Round Steel Pipe	1,135.57	40.99
32 33 23 00-0023	EA	21" Diameter x 40" High HPR Top Trash Container Perforated Round Steel Pipe	1,030.16	40.99
32 33 23 00-0024		Round Steel Pipe Frames Surrounded With Welded Wire *(32 33 23 00-0001)*		
32 33 23 00-0025	EA	21" Diameter x 32" High Flat Top Trash Container Steel Pipe Frame, Welded Wire Surround	713.94	40.99
32 33 23 00-0026	EA	21" Diameter x 32" High Open Top Trash Steel Container Pipe Frame, Welded Wire Surround	790.60	40.99
32 33 23 00-0027	EA	21" Diameter x 39" High Dome Top Trash Steel Container Pipe Frame, Welded Wire Surround	953.50	40.99
32 33 23 00-0028	EA	21" Diameter x 40" High HPR Top Trash Container Steel Pipe Frame, Welded Wire Surround	848.09	40.99
32 33 23 00-0029		Litter Baskets *(32 33 23)*		
32 33 23 00-0030		Round Wire Litter Baskets *(32 33 23 00-0029)*		
32 33 23 00-0031	EA	1.33' Diameter x 1.83' High Round Wire Litter Basket	125.25	4.16
32 33 23 00-0032	EA	1.5' Diameter x 1.83' High Round Wire Litter Basket	158.04	4.16
32 33 23 00-0033	EA	1.75' Diameter x 2.33' High Round Wire Litter Basket	213.68	4.16
32 33 23 00-0034	EA	1.83' Diameter x 2.83' High Round Wire Litter Basket	245.08	4.16
32 33 23 00-0035		Trash Can/Wire Basket Holder *(32 33 23 00-0029)*		
32 33 23 00-0036	EA	Steel Post, Single Holder	181.62	33.48
32 33 23 00-0037	EA	Steel Post, Double Holder	244.38	33.48
32 33 23 00-0038	EA	Redwood Post, Single Holder	104.90	33.48
32 33 23 00-0039	EA	Redwood Post, Double Holder	121.43	33.48
32 33 23 00-0040		Litter Receptacles, Freestanding *(32 33 23 00-0029)*		
		Note: Includes 1-1/2" outside diameter steel leg supports. Wall mounted, includes 3/8" x 3" steel wall plates. Surface mounted, includes 2-1/2" outside diameter steel tube with floor flange, embedded to include 2-1/2" outside diameter steel tube.		
32 33 23 00-0041	EA	16" Diameter x 28" High Litter Receptacle, Freestanding Or Embedded	1,005.49	17.07
		For Powder Coated Sand Pan, Add	*50.00*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 23 00-0042	EA	16" Diameter x 32" High Litter Receptacle, Freestanding Or Embedded	1,058.28	17.07
		For Powder Coated Sand Pan, Add	*50.00*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
32 33 23 00-0043	EA	20" Diameter x 36" High Litter Receptacle, Freestanding Or Embedded	1,233.73	25.62
		For Powder Coated Sand Pan, Add	*50.00*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
32 33 23 00-0044	EA	20" Diameter x 40" High Litter Receptacle, Freestanding Embedded	1,286.52	25.62
		For Powder Coated Sand Pan, Add	*50.00*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
32 33 23 00-0045	EA	16" Diameter x 28" High Litter Receptacle, Pole Mount With Pole	1,339.31	25.62
		For Powder Coated Sand Pan, Add	*50.00*	
		For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add	*22.50*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
32 33 23 00-0046	EA	16" Diameter x 32" High Litter Receptacle, Pole Mount With Pole	1,392.10	25.62
		For Powder Coated Sand Pan, Add	*50.00*	
		For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add	*22.50*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
32 33 23 00-0047	EA	16" Diameter x 28" High Litter Receptacle, Wall Mount	1,110.76	22.20
		For Powder Coated Sand Pan, Add	*50.00*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
		For 1-1/2" x 6" Diameter Metal Cover Plate , Add	*20.00*	
32 33 23 00-0048	EA	16" Diameter x 32" High Litter Receptacle, Wall Mount	1,163.55	22.20
		For Powder Coated Sand Pan, Add	*50.00*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
		For 1-1/2" x 6" Diameter Metal Cover Plate , Add	*20.00*	

32 33 23 00-0049 Ash Receptacles *(32 33 23)*

32 33 23 00-0050	EA	12" Diameter x 21" High Ash Receptacle, Freestanding Or Embedded	443.25	17.07
		For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add	*22.50*	
		For Sand Pan, Add	*110.00*	
		For Bowl And Funnel, Add	*120.00*	
32 33 23 00-0051	EA	18" Square Concrete Exposed Aggregate x 36" High Ash Receptacles With 3-1/2" ID iron Pipe With Cap Square Concrete With Steel Liner	189.63	17.07

32 33 23 00-0052 Trash Receptacles *(32 33 23)*

32 33 23 00-0053	EA	Outdoor Covered Steel Receptacle With Liner	826.00	17.07
32 33 23 00-0054	EA	Driftwood And Sable Receptacle, 35 Gallon With Liner And Frame	327.77	17.07
32 33 23 00-0055	EA	24" x 24" Square Trash Containment With Exposed Aggregate Finish	478.06	17.07
32 33 23 00-0056	EA	30" x 30" Square Trash Containment With Exposed Aggregate Finish	498.89	18.79
32 33 23 00-0057	EA	36" x 36" Square Trash Containment With Exposed Aggregate Finish	537.13	20.49
32 33 23 00-0058	EA	32 Gallon, Open Round Trash Receptacle, Recycled Plastic Lumber	154.27	13.66
32 33 23 00-0059	EA	32 Gallon, Round Trash Receptacle With Liner And Lid, Recycled Plastic Lumber	180.72	13.66
32 33 23 00-0060	EA	24" x 24" Square 18" High Trash Receptacle, Fiberglass	239.15	17.07

32 33 23 00-0061 Trash Containers (Dumpsters) *(32 33 23)*

32 33 23 00-0062	EA	1 CY Straight Side Trash Dumpster	150.52	
32 33 23 00-0063	EA	1.5 CY Straight Side Trash Dumpster	225.78	
32 33 23 00-0064	EA	2 CY Straight Side Trash Dumpster	301.04	
32 33 23 00-0065	EA	2 CY Sloped Side Trash Dumpster	301.04	
32 33 23 00-0066	EA	3 CY Sloped Side Trash Dumpster	451.56	
32 33 23 00-0067	EA	4 CY Sloped Side Trash Dumpster	602.08	
32 33 23 00-0068	EA	6 CY Sloped Side Trash Dumpster	903.12	
32 33 23 00-0069	EA	8 CY Sloped Side Trash Dumpster	1,204.16	

32 33 33 Site Manufactured Planters *(32 33)*

32 33 33 00-0001 Precast Concrete Planters *(32 33 33)*

32 33 33 00-0002 Circular Precast Concrete Planters *(32 33 33 00-0001)*

32 33 33 00-0003	EA	24" Diameter, 17" Height, Circular Precast Concrete Planter	418.80	19.54
32 33 33 00-0004	EA	24" Diameter, 24" Height, Circular Precast Concrete Planter	469.79	23.45
32 33 33 00-0005	EA	24" Diameter, 33" Height, Circular Precast Concrete Planter	512.96	23.45
32 33 33 00-0006	EA	30" Diameter, 17" Height, Circular Precast Concrete Planter	557.61	27.36
32 33 33 00-0007	EA	30" Diameter, 30" Height, Circular Precast Concrete Planter	676.11	35.18
32 33 33 00-0008	EA	36" Diameter, 24" Height, Circular Precast Concrete Planter	734.52	35.18
32 33 33 00-0009	EA	36" Diameter, 30" Height, Circular Precast Concrete Planter	827.44	39.09
32 33 33 00-0010	EA	48" Diameter, 17" Height, Circular Precast Concrete Planter	873.15	39.09
32 33 33 00-0011	EA	48" Diameter, 24" Height, Circular Precast Concrete Planter	975.23	48.86
32 33 33 00-0012	EA	48" Diameter, 30" Height, Circular Precast Concrete Planter	1,037.37	51.99
32 33 33 00-0013	EA	48" Diameter, 36" Height, Circular Precast Concrete Planter	1,080.93	54.72
32 33 33 00-0014	EA	60" Diameter, 17" Height, Circular Precast Concrete Planter	981.14	48.86
32 33 33 00-0015	EA	60" Diameter, 24" Height, Circular Precast Concrete Planter	1,079.66	54.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 33 00-0016	EA	60" Diameter, 36" Height, Circular Precast Concrete Planter	1,378.29	58.63
32 33 33 00-0017	EA	72" Diameter, 36" Height, Circular Precast Concrete Planter	1,788.01	74.26
32 33 33 00-0018	EA	84" Diameter, 36" Height, Circular Precast Concrete Planter	2,073.93	78.18
32 33 33 00-0019		Square Precast Concrete Planters *(32 33 33 00-0001)*		
32 33 33 00-0020	EA	36" Square, 30" Height, Square Precast Concrete Planter	849.22	50.81
32 33 33 00-0021	EA	42" Square, 30" Height, Square Precast Concrete Planter	970.78	54.72
32 33 33 00-0022	EA	60" Square, 36" Height, Square Precast Concrete Planter	1,523.26	62.53
32 33 33 00-0023	EA	72" Square, 36" Height, Square Precast Concrete Planter	1,625.06	66.45
32 33 33 00-0024		Rectangular Precast Concrete Planters *(32 33 33 00-0001)*		
32 33 33 00-0025	EA	33" x 18", 20" Height, Rectangular Precast Concrete Planter	488.83	23.45
32 33 33 00-0026	EA	48" x 18", 20" Height, Rectangular Precast Concrete Planter	577.05	35.18
32 33 33 00-0027	EA	60" x 18", 20" Height, Rectangular Precast Concrete Planter	668.70	39.09
32 33 33 00-0028	EA	72" x 18", 20" Height, Rectangular Precast Concrete Planter	763.15	48.86
32 33 33 00-0029		Fiberglass Planters *(32 33 33)*		
32 33 33 00-0030		Circular Fiberglass Planters *(32 33 33 00-0029)*		
32 33 33 00-0031	EA	36" Diameter, 27" High, Circular Fiberglass Planter	1,018.69	19.54
32 33 33 00-0032	EA	60" Diameter, 39" High, Circular Fiberglass Planter	1,693.81	19.54
32 33 33 00-0033	EA	36" Diameter, 24" High, Circular Fiberglass Planter	679.92	19.54
32 33 33 00-0034	EA	60" Diameter, 24" High, Circular Fiberglass Planter	1,337.91	19.54
32 33 33 00-0035		Tapered Circular Fiberglass Planters *(32 33 33 00-0029)*		
32 33 33 00-0036	EA	24" Diameter, 20" High, Tapered Circular Fiberglass Planter	397.74	19.54
32 33 33 00-0037	EA	30" Diameter, 25" High, Tapered Circular Fiberglass Planter	582.07	19.54
32 33 33 00-0038	EA	36" Diameter, 30" High, Tapered Circular Fiberglass Planter	1,035.82	19.54
32 33 33 00-0039	EA	40" Diameter, 36" High, Tapered Circular Fiberglass Planter	1,445.54	19.54
32 33 33 00-0040		Square Fiberglass Planters *(32 33 33 00-0029)*		
32 33 33 00-0041	EA	24" Square, 21" High, Square Fiberglass Planter	521.60	19.54
32 33 33 00-0042	EA	24" Square, 24" High, Square Fiberglass Planter	533.15	19.54
32 33 33 00-0043	EA	30" Square, 12" High, Square Fiberglass Planter	539.26	19.54
32 33 33 00-0044	EA	30" Square, 21" High, Square Fiberglass Planter	611.43	19.54
32 33 33 00-0045	EA	30" Square, 24" High, Square Fiberglass Planter	664.01	19.54
32 33 33 00-0046		Rectangular Fiberglass Planters *(32 33 33 00-0029)*		
32 33 33 00-0047	EA	48" x 12", 12" High, Rectangular Fiberglass Planter	600.00	19.54
32 33 33 00-0048	EA	48" x 12", 21" High, Rectangular Fiberglass Planter	643.12	19.54
32 33 33 00-0049	EA	48" x 24", 12" High, Rectangular Fiberglass Planter	837.30	19.54
32 33 33 00-0050	EA	48" x 24", 21" High, Rectangular Fiberglass Planter	923.54	19.54
32 33 33 00-0051		Timber Planters *(32 33 33)*		
32 33 33 00-0052		Square Timber Planters *(32 33 33 00-0051)*		
32 33 33 00-0053	EA	14" Square, 30" High, Square Timber Planter	394.48	40.99
32 33 33 00-0054	EA	21" Square, 30" High, Square Timber Planter	394.48	40.99
32 33 33 00-0055	EA	27" Square, 30" High, Square Timber Planter	741.93	40.99
32 33 33 00-0056	EA	34" Square, 30" High, Square Timber Planter	644.06	40.99
32 33 33 00-0057	EA	41" Square, 36" High, Square Timber Planter	766.40	40.99
32 33 33 00-0058	EA	54" Square, 36" High, Square Timber Planter	1,960.43	40.99
32 33 33 00-0059	EA	81" Square, 36" High, Square Timber Planter	2,944.04	40.99
32 33 33 00-0060		Rectangular Timber Planters *(32 33 33 00-0051)*		
32 33 33 00-0061	EA	21" x 14", 30" High, Rectangular Timber Planter	389.59	40.99
32 33 33 00-0062	EA	27" x 14", 30" High, Rectangular Timber Planter	433.63	40.99
32 33 33 00-0063	EA	27" x 21", 30" High, Rectangular Timber Planter	565.76	40.99
32 33 33 00-0064	EA	34" x 21", 30" High, Rectangular Timber Planter	624.48	40.99
32 33 33 00-0065	EA	41" x 21", 30" High, Rectangular Timber Planter	800.65	40.99
32 33 33 00-0066	EA	34" x 27", 30" High, Rectangular Timber Planter	927.88	40.99
32 33 33 00-0067	EA	54" x 27", 30" High, Rectangular Timber Planter	1,343.84	40.99
32 33 33 00-0068	EA	54" x 34", 30" High, Rectangular Timber Planter	1,515.11	40.99
32 33 33 00-0069	EA	68" x 34", 36" High, Rectangular Timber Planter	1,725.54	40.99
32 33 33 00-0070	EA	54" x 41", 36" High, Rectangular Timber Planter	1,642.35	40.99
32 33 33 00-0071	EA	68" x 41", 36" High, Rectangular Timber Planter	1,857.67	40.99
32 33 33 00-0072	EA	81" x 41", 36" High, Rectangular Timber Planter	2,077.88	40.99
32 33 33 00-0073	EA	41" x 27", 36" High, Rectangular Timber Planter	1,035.54	40.99

32 33 43 Site Seating And Tables *(32 33)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 53		**Site Tables** *(32 33 43)*		
32 33 43 53-0001		Picnic Tables *(32 33 43 53)*		
32 33 43 53-0002		Wooden Picnic Tables *(32 33 43 53-0001)*		
32 33 43 53-0003	EA	6' Permanent Rectangular Redwood Table	695.55	51.23
32 33 43 53-0004		Portable Picnic Tables *(32 33 43 53-0001)*		
32 33 43 53-0005	EA	6' Wood Table With Aluminum Frame	411.78	34.16
32 33 43 53-0006	EA	6' Aluminum Table And Frame	577.76	34.16
32 33 43 53-0007	EA	8' Aluminum Table And Frame	691.87	42.70
32 33 43 53-0008	EA	6' Steel Table And Frame	871.87	34.16
32 33 43 53-0009	EA	8' Steel Table And Frame	998.79	42.70
32 33 43 53-0010		Concrete Picnic Tables *(32 33 43 53-0001)*		
32 33 43 53-0011	EA	6' Concrete Picnic Table	1,741.35	154.66
32 33 43 53-0012		Plastic Picnic Tables *(32 33 43 53-0001)* Note: Manufactured from recycled plastic.		
32 33 43 53-0013		Pedestal Tables - 4' Square, 2 Seats *(32 33 43 53-0012)*		
32 33 43 53-0014	EA	3" x 4" Slats, Pedestal Table, 4' Square, 2 Seats	464.29	51.23
32 33 43 53-0015	EA	4" x 4" Slats, Pedestal Table, 4' Square, 2 Seats	502.73	51.23
32 33 43 53-0016		Pedestal Tables - 4' Square, 4 Seats *(32 33 43 53-0012)*		
32 33 43 53-0017	EA	3" x 4" Slats, Pedestal Table, 4' Square, 4 Seats	588.93	51.23
32 33 43 53-0018	EA	4" x 4" Slats, Pedestal Table, 4' Square, 4 Seats	640.54	51.23
32 33 43 53-0019		Recycled Plastic Tables *(32 33 43 53-0012)*		
32 33 43 53-0020	EA	6' Standard "Step-Over" Table, Recycled Plastic Lumber	751.81	51.23
32 33 43 53-0021	EA	6' " Walk-Through" Table, Recycled Plastic Lumber	636.71	51.23
32 33 43 53-0022	EA	7' Reinforced "Step-Over" Table, Recycled Plastic Lumber, ADA Ends	689.60	51.23
32 33 43 53-0023	EA	8' " Walk-Through" Table, Recycled Plastic Lumber, ADA Ends	648.98	51.23
32 33 43 53-0024	EA	8' Reinforced "Step-Over" Table, Recycled Plastic Lumber, ADA Ends	800.37	51.23
32 33 43 53-0025	EA	4' Youth Table, Recycled Plastic Lumber	343.81	40.99
32 33 53		**Site Grills** *(32 33)*		
32 33 53 00-0001		Picnic Grills *(32 33 53)*		
32 33 53 00-0002	EA	20" Wide x 14" Deep x 8-1/2" High Adjustable Grill Note: 11 gauge with galvanized steel post.	293.31	
32 33 53 00-0003	EA	20" Wide x 14" Deep x 8-1/2" High Adjustable Grill Note: 7 gauge with galvanized steel post.	313.65	
32 33 63		**Skate Board Deterrent** *(32 33)*		
32 33 63 00-0001		Skate Stoppers *(32 33 63)*		
32 33 63 00-0002	EA	Aluminum Architectural Series Pieces, Skate Stopper Note: Various shapes. Includes drilling and anchoring into suitable surface material.	37.42	
		For >60 To 100, Deduct	*-3.70*	
		For >100 To 250, Deduct	*-4.74*	
		For >250, Deduct	*-5.78*	
32 33 63 00-0003	EA	Aluminum Fixed Angle Series Pieces, Skate Stopper Note: Various shapes. Includes drilling and anchoring into suitable surface material.	31.28	
		For >60 To 100, Deduct	*-2.84*	
		For >100 To 250, Deduct	*-3.70*	
		For >250, Deduct	*-4.55*	
32 33 63 00-0004	EA	Aluminum Fixed Radius Series Pieces, Skate Stopper Note: Various shapes. Includes drilling and anchoring into suitable surface material.	31.28	
		For >60 To 100, Deduct	*-2.84*	
		For >100 To 250, Deduct	*-3.70*	
		For >250, Deduct	*-4.55*	
32 33 63 00-0005	EA	Aluminum Bench Clips, Skate Stopper Note: Various shapes. Includes drilling and anchoring into suitable surface material.	21.20	
		For >60 To 100, Deduct	*-1.74*	
		For >100 To 250, Deduct	*-2.31*	
		For >250, Deduct	*-2.87*	
32 33 63 00-0006	EA	Aluminum Curve Clips, Skate Stopper Note: Various shapes. Includes drilling and anchoring into suitable surface material.	24.36	
		For >60 To 100, Deduct	*-2.18*	
		For >100 To 250, Deduct	*-2.84*	
		For >250, Deduct	*-3.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 63 00-0007	EA	Aluminum Hand Rail, Skate Stopper	22.08	
		Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
		For >60 To 100, Deduct	*-1.86*	
		For >100 To 250, Deduct	*-2.46*	
		For >250, Deduct	*-3.05*	
32 33 63 00-0008	EA	Aluminum 2" x 3" x 0.25" Flat Cap, Skate Stopper	20.91	
		Note: Includes drilling and anchoring into suitable surface material.		
		For >60 To 100, Deduct	*-1.70*	
		For >100 To 250, Deduct	*-2.26*	
		For >250, Deduct	*-2.82*	
32 33 63 00-0009	EA	Aluminum 6" Diameter x 0.25" Rumble Disc, Skate Stopper	31.57	
		Note: Includes drilling and anchoring into suitable surface material.		
		For >60 To 100, Deduct	*-2.88*	
		For >100 To 250, Deduct	*-3.75*	
		For >250, Deduct	*-4.61*	
32 33 63 00-0010	EA	Aluminum 4" x 17" x 0.25" Flat Strap, Skate Stopper	53.32	
		Note: Includes drilling and anchoring into suitable surface material.		
		For >60 To 100, Deduct	*-5.93*	
		For >100 To 250, Deduct	*-7.44*	
		For >250, Deduct	*-8.96*	

32 39 Manufactured Site Specialties *(32 30)*

32 39 13 Manufactured Metal Bollards *(32 39)*

32 39 13 00-0001 Metal Pipe Bollards *(32 39 13)*

Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 00-0001 for augering and filling holes for bollards, 32 31 13 00-0018 for concrete fill for post and post holes.

32 39 13 00-0002 Steel Pipe Bollard, Schedule 40 Pipe, Painted Or Powered Coated *(32 39 13 00-0001)*

32 39 13 00-0003	LF	4" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	34.91	9.36
		For Galvanized Steel, Add	*2.75*	
		For 304 Stainless Steel, Add	*21.87*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	*98.84*	
		For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add	*75.34*	
		For Schedule 80, Add	*4.30*	
32 39 13 00-0004	LF	6" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	44.26	9.36
		For Galvanized Steel, Add	*4.34*	
		For 304 Stainless Steel, Add	*34.49*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	*98.84*	
		For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add	*75.34*	
		For Schedule 80, Add	*5.70*	
32 39 13 00-0005	LF	8" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	61.28	11.70
		For Galvanized Steel, Add	*6.44*	
		For 304 Stainless Steel, Add	*51.15*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	*131.56*	
		For Each Sleeve For Removable, Lockable Bollard, Add	*114.94*	
		For Schedule 80, Add	*8.02*	
32 39 13 00-0006	LF	10" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	79.90	14.03
		For Galvanized Steel, Add	*8.81*	
		For 304 Stainless Steel, Add	*69.98*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	*150.24*	
		For Each Sleeve For Removable, Lockable Bollard, Add	*124.28*	
		For Schedule 80, Add	*10.58*	
32 39 13 00-0007	LF	12" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	101.75	18.71
		For Galvanized Steel, Add	*10.94*	
		For 304 Stainless Steel, Add	*86.86*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	*208.64*	
		For Each Sleeve For Removable, Lockable Bollard, Add	*171.69*	
		For Schedule 80, Add	*13.39*	

32 39 16 Manufactured Concrete Bollards *(32 39)*

32 39 16 00-0001 Concrete Bollards *(32 39 16)*

Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 00-0001 for augering and filling holes for bollards, 32 31 13 00-0018 for concrete fill.

32 39 16 00-0002 Concrete Bollard, Exposed Aggregate *(32 39 16 00-0001)*

32 39 16 00-0003	EA	12" x 12" x 30" High Concrete Bollard, Light Sandblast	450.83	74.84
		Note: Surface mounted with anchor bolts embedded into grout pockets.		
32 39 16 00-0004	EA	12" Diameter x 30" High Concrete Bollard, Light Sandblast	450.83	74.84
		Note: Surface mounted with anchor bolts embedded into grout pockets.		

32 39 19 Manufactured Wood Bollards *(32 39)*

32 39 19 00-0001 Wood Bollards *(32 39 19)*

Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 00-0001 for augering and filling holes for bollards, 32 31 13 00-0018 for concrete fill.

32 39 19 00-0002 Wood Bollard, Pressure Treated Timber *(32 39 19 00-0001)*

32 39 19 00-0003	LF	4" x 4", Pressure Treated Wood Bollard	17.70	7.48
		For Each Sleeve For Removable, Lockable Bollard, Add	*76.96*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 39 19 00-0004	LF	6" x 6", Pressure Treated Wood Bollard	20.57	7.48
		For Each Sleeve For Removable, Lockable Bollard, Add	*76.96*	
32 39 19 00-0005	LF	8" x 8", Pressure Treated Wood Bollard	26.81	8.42
		For Each Sleeve For Removable, Lockable Bollard, Add	*118.88*	
32 39 19 00-0006	LF	10" x 10", Pressure Treated Wood Bollard	37.99	11.23
		For Each Sleeve For Removable, Lockable Bollard, Add	*130.10*	
32 39 19 00-0007	LF	12" x 12", Pressure Treated Wood Bollard	52.30	14.97
		For Each Sleeve For Removable, Lockable Bollard, Add	*180.95*	

32 39 23 Manufactured Plastic Bollards *(32 39)*

32 39 23 00-0001 Plastic Bollards *(32 39 23)*

See CSI section 32 31 13 00-0001 for augering and filling holes for bollards., 32 31 13 00-0018 for concrete fill.

32 39 23 00-0002 Recycled Plastic Bollards *(32 39 23 00-0001)*

32 39 23 00-0003	EA	6" x 6" x 33" Surface Mounted Recycled Plastic Bollard Note: Includes anchor bolts.	197.77	37.41
32 39 23 00-0004	EA	6" Diameter x 6' Steel Reinforced Recycled Plastic Bollard	307.22	37.41

32 39 23 00-0005 Plastic Bollard Covers *(32 39 23 00-0001)*

32 39 23 00-0006	EA	4" x 60", 1/8" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe	50.06	8.77
		For Reflective Tape, Add	*5.16*	
32 39 23 00-0007	EA	6" x 60", 1/8" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	54.34	9.65
		For Reflective Tape, Add	*5.16*	
32 39 23 00-0008	EA	3" x 60", 1/4" Thick LDPE Bollard Cover, Fits 3" To 3 1/2" Pipe	66.33	8.77
		For Reflective Tape, Add	*5.16*	
32 39 23 00-0009	EA	3-1/2" x 52", 1/4" Thick LDPE Bollard Cover, Fits 3 -1/2" To 4" Pipe	66.33	8.77
		For Reflective Tape, Add	*5.16*	
32 39 23 00-0010	EA	3-1/2" x 68", 1/4" Thick LDPE Bollard Cover, Fits 3-1/2" To 4" Pipe	73.92	8.77
		For Reflective Tape, Add	*5.16*	
32 39 23 00-0011	EA	4" x 52", 1/4" Thick LDPE Bollard Cover, Fits 4' To 4-1/2" Pipe	66.33	8.77
		For Reflective Tape, Add	*5.16*	
32 39 23 00-0012	EA	4" x 60", 1/4" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe	67.41	8.77
		For Reflective Tape, Add	*5.16*	
32 39 23 00-0013	EA	5" x 52", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe	66.33	8.77
		For Reflective Tape, Add	*5.16*	
32 39 23 00-0014	EA	5" x 60", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe	67.41	8.77
		For Reflective Tape, Add	*5.16*	
32 39 23 00-0015	EA	5" x 72", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe	92.36	8.77
		For Reflective Tape, Add	*5.16*	
32 39 23 00-0016	EA	6" x 52", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	68.08	9.65
		For Reflective Tape, Add	*5.16*	
32 39 23 00-0017	EA	6" x 65", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	85.43	9.65
		For Reflective Tape, Add	*5.16*	
32 39 23 00-0018	EA	6" x 84", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	96.63	9.65
		For Reflective Tape, Add	*5.16*	
32 39 23 00-0019	EA	7" x 56", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	82.85	10.52
		For Reflective Tape, Add	*5.16*	
32 39 23 00-0020	EA	8" x 52", 1/4" Thick LDPE Bollard Cover, Fits 7" To 7-5/16" Pipe	89.36	10.52
		For Reflective Tape, Add	*5.16*	
32 39 23 00-0021	EA	8" x 69", 1/4" Thick LDPE Bollard Cover, Fits 8" To 8-5/8" Pipe	89.36	10.52
		For Reflective Tape, Add	*5.16*	
32 39 23 00-0022	EA	10" x 69", 1/4" Thick LDPE Bollard Cover, Fits 10" To 11" Pipe	118.65	10.52
		For Reflective Tape, Add	*5.16*	

32 39 26 Manufactured Stone Bollards *(32 39)*

32 39 26 00-0001 Stone Bollards *(32 39 26)*

See CSI section 32 31 13 00-0001 for augering and filling holes for bollards, 32 31 13 00-0018 for concrete fill.

32 39 26 00-0002 Granite Bollards *(32 39 26 00-0001)*

32 39 26 00-0003	EA	16" x 16" x 30" Granite Bollard, Smooth Matt Finish Note: Surface mounted with anchors embedded into grout pockets.	947.01	93.54
32 39 26 00-0004	EA	16" x 16" x 54" Granite Bollard, Smooth Matt Finish Note: Surface mounted with anchors embedded into grout pockets.	1,201.46	130.96
32 39 26 00-0005	EA	12" x 12" x 24" Granite Bollard, Rough Finish, Pyramid Top Note: Surface mounted with anchors embedded into grout pockets.	593.30	93.54
32 39 26 00-0006	EA	12" Diameter x 18" Granite Bollard, Smooth Matt Finish Note: Flat Top, surface mounted with anchors embedded into grout pockets.	868.14	74.84
32 39 26 00-0007	EA	24" x 24" x 20" Granite Bollard, Octagonal Cross Section Note: Smooth matt finish, flat top, surface mounted with anchors embedded into grout pockets.	1,289.56	74.84

32 80 Irrigation *(32)*

32 84 Planting Irrigation *(32 80)*

32 84 13 Drip Irrigation *(32 84)*

32 84 13 00-0001 Drip Emitter Irrigation Devices *(32 84 13)*

32 84 13 00-0002 Drip Emitter Irrigation Valves *(32 84 13 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 13 00-0003	EA	3/4", Shut-Off Ball Valve For Drip Emitter Irrigation Systems (Rainbird XBV-075)	34.31	8.12
32 84 13 00-0004	EA	3/4", Check Valve For Drip Emitter Irrigation Systems (Rainbird CV075)	43.63	8.12
32 84 13 00-0005	EA	1", Check Valve For Drip Emitter Irrigation Systems (Rainbird CV-100)	46.85	8.12
32 84 13 00-0006	EA	Air/Vacuum Relief Valve For Drip Emitter Irrigation Systems (Rainbird ARVALVEKIT)	35.33	8.12
32 84 13 00-0007	EA	3/4", Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rainbird ASV-LF-075)	61.42	8.12
32 84 13 00-0008	EA	1", Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rainbird LFV100)	61.18	8.12
32 84 13 00-0009	EA	3/4", Anti-Siphon, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rainbird LFV075)	59.42	8.12
32 84 13 00-0010	EA	3/4", Latching Solenoid, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rainbird LFV075TBOS)	88.29	8.12

32 84 13 00-0011 Drip Emitter Irrigation Filters *(32 84 13 00-0001)*

32 84 13 00-0012	EA	3/4" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rainbird QKCHK-075)	122.08	8.12
32 84 13 00-0013	EA	1" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rainbird QKCHK-100)	123.24	8.12
32 84 13 00-0014	EA	3/4" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rainbird RBY075MPTX)	45.02	8.12
32 84 13 00-0015	EA	1" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rainbird RBY100MPTX)	45.95	8.12
32 84 13 00-0016	EA	1" Inlet/Outlet, Pressure Regulating, Inline Basket Filter For Drip Emitter Irrigation Systems (Rainbird PRB-QCHK-100)	132.94	8.12
32 84 13 00-0017	EA	3/4" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rainbird PRF075RBY)	59.05	8.12
32 84 13 00-0018	EA	1" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rainbird PRF100RBY)	66.34	8.12
32 84 13 00-0019	EA	3/4" Inlet/Outlet, Pressure Regulating, Inline Back Flush Filter For Drip Emitter Irrigation Systems (Rainbird PRF075BFF)	71.35	8.12
32 84 13 00-0020	EA	1" Inlet/Outlet, Pressure Regulating, Inline Back Flush Filter For Drip Emitter Irrigation Systems (Rainbird PRF100BFF)	79.32	8.12

32 84 13 00-0021 Drip Emitter Irrigation Pressure Regulators *(32 84 13 00-0001)*

32 84 13 00-0022	EA	3/4", 6 To 300 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rainbird PSI-L30X-075)	44.08	8.12
32 84 13 00-0023	EA	3/4", 120 To 600 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rainbird PSI-M30X-075)	44.08	8.12
32 84 13 00-0024	EA	3/4", 120 To 600 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rainbird PSI-M40X-075)	44.08	8.12
32 84 13 00-0025	EA	1", 120 To 900 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rainbird PSI-M40X-100)	51.75	8.12

32 84 13 00-0026 Drip Emitter Irrigation Tubing *(32 84 13 00-0001)*

Note: Includes surface installation and covering of tubing with existing pine straw, pine bark etc.

32 84 13 00-0027	LF	1/4", Landscape Dripline With Extruded Non-Pressure Compensating Drip Emitters (Rainbird LDQ0806100)	2.76	1.14
32 84 13 00-0028	LF	1/2", Landscape Dripline With Extruded Pressure Compensating Drip Emitters (Rainbird XFD0612100)	2.77	1.30
32 84 13 00-0029	LF	1/4", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rainbird XQ100)	2.40	1.14
		For Shallow Trenching And Backfill By Hand, Add	*4.66*	
32 84 13 00-0030	LF	1/2", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rainbird XT700100)	2.77	1.30
		For Shallow Trenching And Backfill By Hand, Add	*5.06*	

32 84 13 00-0031 Drip Emitter Irrigation Fittings *(32 84 13 00-0001)*

32 84 13 00-0032	EA	1/4", Barbed Coupling For Irrigation Tubing (Rainbird XBF1CONN)	2.19	
32 84 13 00-0033	EA	1/4", Barbed Elbow For Irrigation Tubing (Rainbird XBF2EL)	2.22	
32 84 13 00-0034	EA	1/4", Barbed Tee For Irrigation Tubing (Rainbird XBF3TEE)	2.27	
32 84 13 00-0035	EA	1/4", Self Piercing Barbed Coupling For Irrigation Tubing (Rainbird SFB025)	2.54	
32 84 13 00-0036	EA	1/4", Plug For Irrigation Tubing (Rainbird EMAGPX)	2.16	
32 84 13 00-0037	EA	1/2", Barbed Coupling For Irrigation Tubing (Rainbird XFDCOUP)	2.61	
		For Compression Fitting, Add	*0.58*	
32 84 13 00-0038	EA	1/2", Barbed Elbow For Irrigation Tubing (Rainbird XFD-ELBOW)	2.64	
		For Compression Fitting, Add	*0.61*	
32 84 13 00-0039	EA	1/2", Barbed Tee For Irrigation Tubing (Rainbird XFD-TEE)	2.66	
		For Compression Fitting, Add	*0.63*	
32 84 13 00-0040	EA	1/2", Barbed Male Adapter For Irrigation Tubing (Rainbird XFDMA050)	2.58	
		For Compression Fitting, Add	*0.55*	
32 84 13 00-0041	EA	1/2", Barbed Cross For Irrigation Tubing (Rainbird XFDCROSS)	2.69	
		For Compression Fitting, Add	*0.66*	
32 84 13 00-0042	EA	1/2", Plug For Irrigation Tubing (Rainbird MDCFCAP)	2.91	
32 84 13 00-0043	EA	6" Soil Staple For Irrigation Tubing (Rainbird NFT-LS6)	1.69	

32 84 13 00-0044 Drip Emitters *(32 84 13 00-0001)*

32 84 13 00-0045	EA	0.5 To 2 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rainbird XB20PC)	4.54	
32 84 13 00-0046	EA	5 To 24 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rainbird PC24)	5.68	
32 84 13 00-0047	EA	0.5 To 2 GPH, Six Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rainbird XB056)	11.94	

32 84 13 00-0048 Drip Emitter Irrigation Micro-Bubblers, Sprays And Misters *(32 84 13 00-0001)*

32 84 13 00-0049	EA	Adjustable Stream Bubbler With Spike For Drip Emitter Irrigation Systems (Rainbird SXB360SPYK)	17.71	7.32
32 84 13 00-0050	EA	Adjustable Micro Spray With Spike For Drip Emitter Irrigation Systems (Rainbird XS360TSPYK)	17.75	7.32
32 84 13 00-0051	EA	12" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems (Rainbird XPCNADP12 With XPCN-FUL)	21.09	7.32

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 13 00-0052	EA	24" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems Rainbird XPCNADP24 With XPCN-FUL)	21.31	7.32
32 84 13 00-0053	EA	4" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rainbird XP-400X With XPCN-FUL) Note: Includes nozzle.	30.73	9.59
32 84 13 00-0054	EA	6" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rainbird XP-600X With XPCN-FUL) Note: Includes nozzle.	33.73	9.59
32 84 13 00-0055	EA	12" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rainbird XP1200X With XPCN-FUL) Note: Includes nozzle.	36.04	9.59

32 84 13 00-0056 Subsurface Drip Emitter Irrigation Tubing (Rainbird XFS) *(32 84 13 00-0001)*

Note: Brown or purple tubing. Includes layout, trenching 4" to 6", installing tubing and backfilling trench.

32 84 13 00-0057	LF	0.536" ID, 0.634" OD, Subsurface Drip Emitter Irrigation Tubing (Rainbird XFS Copper Shield)	3.14	1.42

32 84 23 Underground Sprinklers *(32 84)*

32 84 23 00-0001 Sprinkler Heads *(32 84 23)*

32 84 23 00-0002 Spray Sprinkler Heads *(32 84 23 00-0001)*

Note: Includes plastic riser and case. Includes spray, variable arc or bubbler nozzle with partial or full circle coverage.

32 84 23 00-0003	EA	2" Pop-Up Height, Spray Sprinkler Head (Rainbird 1802P)	25.79	8.98
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0004	EA	3" Pop-Up Height, Spray Sprinkler Head (Rainbird 1803P)	25.79	8.98
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0005	EA	4" Pop-Up Height, Spray Sprinkler Head (Rainbird 1804P)	25.79	8.98
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0006	EA	6" Pop-Up Height, Spray Sprinkler Head (Rainbird 1806P)	32.35	8.98
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0007	EA	12" Pop-Up Height, Spray Sprinkler Head (Rainbird 1812P)	39.50	8.98
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0008	EA	4" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rainbird 1804-SAM)	28.09	8.98
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0009	EA	6" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rainbird 1806-SAM)	37.98	8.98
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0010	EA	12" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rainbird 1812-SAM)	43.22	8.98
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0011	EA	4" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rainbird 1804-PRS)	29.74	8.98
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0012	EA	6" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rainbird 1806-PRS)	40.98	8.98
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0013	EA	12" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rainbird 1812-PRS)	45.35	8.98
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0014	EA	4" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rainbird 1804-SAM-PRS)	32.29	8.98
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0015	EA	6" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rainbird 1806-SAM-PRS)	43.94	8.98
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0016	EA	12" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rainbird 1812-SAM-PRS)	48.18	8.98
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0017	EA	Bubbler Head With Screen, 1/2" NPT (Rainbird 1300)	20.90	8.98
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0018	EA	Pressure Compensating Bubbler With Screen, 1/2" NPT (Rainbird 1400)	23.47	8.98

32 84 23 00-0019 Gear-Drive, Rotary Sprinkler Heads *(32 84 23 00-0001)*

Note: Maximum spacing is equivalent to maximum radius.

32 84 23 00-0020 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Heads *(32 84 23 00-0019)*

Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.

32 84 23 00-0021	EA	4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head (Rainbird 3504PC)	37.06	8.98
		For Non-Potable Cover, Add	*2.00*	
32 84 23 00-0022	EA	4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rainbird 3504-PC-SAM)	40.71	8.98
		For Non-Potable Cover, Add	*2.00*	

32 84 23 00-0023 3/4" Inlet, Up To 50' Spacing, Gear-Drive, Rotary Sprinkler Heads *(32 84 23 00-0019)*

Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.

32 84 23 00-0024	EA	12" Pop-Up Height, 3/4" Inlet, Up To 50' Spacing, Gear-Drive, Rotary Sprinkler Head (Rainbird 5512)	74.82	8.98
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0025	EA	5" Pop-Up Height, 3/4" Inlet, Up To 50' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rainbird 5505)	56.78	8.98
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0026	EA	12" Pop-Up Height, 3/4" Inlet, Up To 50' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rainbird 5512-SAM)	78.13	8.98
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	

32 84 23 00-0027 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Heads *(32 84 23 00-0019)*

Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0028	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rainbird 5004-PLPC)	37.62	8.98
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0029	EA	6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rainbird 5006-PLPC)	52.34	8.98
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0030	EA	12" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rainbird 5012-PLPC)	63.58	8.98
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0031	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rainbird 5004-PLPCS)	41.16	8.98
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0032	EA	6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rainbird 5006-PLPCS)	54.65	8.98
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0033	EA	12" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rainbird 5012-PLPCS)	66.39	8.98
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0034	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Pressure Regulator (Rainbird 5004+PCR)	45.49	8.98
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0035	EA	6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Pressure Regulator (Rainbird 5006+PCR)	59.48	8.98
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0036	EA	12" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Pressure Regulator (Rainbird 5012+PCR)	70.77	8.98
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0037	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rainbird 5004+FCR)	49.44	8.98
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0038	EA	6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rainbird 5006+PCSR)	62.29	8.98
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0039	EA	12" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rainbird 5012+PCSR)	74.54	8.98
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0040	EA	Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rainbird 5000S-PLPCS)	40.04	8.98
		For Non-Potable Cover, Add	*2.00*	
32 84 23 00-0041	EA	Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rainbird 5000S+PCR)	45.49	8.98
		For Non-Potable Cover, Add	*2.00*	
32 84 23 00-0042		**1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Heads** *(32 84 23 00-0019)* Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0043	EA	4" Pop-Up Height, 1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Head (Rainbird F4PC)	69.76	8.98
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
		For Stainless Steel Riser And High Speed Rotor, Add	*40.01*	
32 84 23 00-0044		**1" Inlet, Up To 70' Spacing, Gear-Drive, Rotary Sprinkler Heads** *(32 84 23 00-0019)* Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0045	EA	5" Pop-Up Height, 1" Inlet, Up To 70' Spacing, Gear-Drive, Rotary Sprinkler Head (Rainbird 7005)	98.42	8.98
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0046		**1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Heads** *(32 84 23 00-0019)* Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0047	EA	5" Pop-Up Height, 1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Head (Rainbird 8005)	104.04	8.98
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0048		**1-1/2" Inlet, Up To 96' Spacing, Gear-Drive, Rotary Sprinkler Heads** *(32 84 23 00-0019)* Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0049	EA	3" Pop-Up Height, 1-1/2" Inlet, Up To 96' Spacing, Gear-Drive, Rotary Sprinkler Head (Rainbird I-90)	166.92	8.98
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0050		Impact-Drive Sprinkler Heads *(32 84 23 00-0001)*			
		Note: Includes partial or full circle coverage. Maximum spacing is equivalent to maximum radius.			
32 84 23 00-0051	EA	1/2" Inlet, Up To 45' Spacing, Pop-Up, Impact-Drive Rotary Sprinkler Head (Rainbird 2045A-08)		48.51	8.98
		For Non-Potable Cover, Add		*2.00*	
32 84 23 00-0052	EA	1/2" Inlet, Up To 45' Spacing, Pop-Up, Impact-Drive Rotary Sprinkler Head With Pressure Regulator (Rainbird 2045A-SAM08)		51.50	8.98
		For Non-Potable Cover, Add		*2.00*	
32 84 23 00-0053	EA	1/2" Inlet, Up To 45' Spacing, Riser Mounted, Plastic Body, Impact-Drive Sprinkler Head (Rainbird 2045-PJ08)		38.44	8.98
32 84 23 00-0054	EA	1/2" Inlet, Up To 41' Spacing, Riser Mounted, Brass/Bronze Body, Impact-Drive Sprinkler Head (Rainbird 25BPJ-FP-ADJ)		67.57	8.98
32 84 23 00-0055	EA	3/4" Inlet, Up To 51' Spacing, Riser Mounted, Brass/Bronze Body, Impact-Drive Sprinkler Head (Rainbird 35A-ADJ-TNT)		107.15	8.98
32 84 23 00-0056	EA	1" Inlet, Up To 65' Spacing, Riser Mounted, Brass/Bronze Body, Impact-Drive Sprinkler Head (Rainbird 65PJADJ-TNT)		274.58	8.98
32 84 23 00-0057		Electric Remote Control Irrigation Valves *(32 84 23)*			
32 84 23 00-0058		0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves *(32 84 23 00-0057)*			
		Note: 5 to 125 PSI.			
32 84 23 00-0059	EA	3/4", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valve		108.44	37.42
32 84 23 00-0060	EA	1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve		108.44	37.42
32 84 23 00-0061	EA	1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Angle Valve		109.56	37.42
32 84 23 00-0062		0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves With Flow Control *(32 84 23 00-0057)*			
		Note: 5 to 125 PSI.			
32 84 23 00-0063	EA	1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve With Flow Control		110.12	37.42
32 84 23 00-0064	EA	1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Angle Valve With Flow Control		111.25	37.42
32 84 23 00-0065		0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves *(32 84 23 00-0057)*			
		Note: 20 to 200 PSI.			
32 84 23 00-0066	EA	1", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve		198.91	37.42
32 84 23 00-0067	EA	1-1/2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve		237.12	37.42
32 84 23 00-0068	EA	2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve		296.69	37.42
32 84 23 00-0069		5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator *(32 84 23 00-0057)*			
		Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.			
32 84 23 00-0070	EA	1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator		296.41	42.05
32 84 23 00-0071	EA	1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator		334.62	42.05
32 84 23 00-0072	EA	2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator		394.19	42.05
32 84 23 00-0073		20 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator And Scrubber Valve *(32 84 23 00-0057)*			
		Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.			
32 84 23 00-0074	EA	1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve		339.12	42.05
32 84 23 00-0075	EA	1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve		396.43	42.05
32 84 23 00-0076	EA	2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve		450.38	42.05
32 84 23 00-0077		5 To 200 GPM, Brass, Electric Remote Control Irrigation Valves *(32 84 23 00-0057)*			
		Note: 15 to 200 PSI operating range pressure.			
32 84 23 00-0078	EA	3/4", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve		251.00	37.42
32 84 23 00-0079	EA	1", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve		271.96	37.42
32 84 23 00-0080	EA	1-1/4", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve		324.78	37.42
32 84 23 00-0081	EA	1-1/2", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve		352.88	37.42
32 84 23 00-0082	EA	2", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve		422.56	37.42
32 84 23 00-0083	EA	2-1/2", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve		581.77	45.50
32 84 23 00-0084	EA	3", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve		658.18	50.51
32 84 23 00-0085		5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves *(32 84 23 00-0057)*			
		Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.			
32 84 23 00-0086	EA	1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve		385.76	42.05
32 84 23 00-0087	EA	1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve		441.95	42.05
32 84 23 00-0088	EA	1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve		466.67	42.05
32 84 23 00-0089	EA	2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve		531.86	42.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0090		**5 To 200 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator** *(32 84 23 00-0057)*		
		Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0091	EA	3/4", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve With Pressure Regulator	338.10	37.42
32 84 23 00-0092	EA	1", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve With Pressure Regulator	359.06	37.42
32 84 23 00-0093	EA	1-1/4", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve With Pressure Regulator	411.88	37.42
32 84 23 00-0094	EA	1-1/2", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve With Pressure Regulator	439.98	37.42
32 84 23 00-0095	EA	2", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve With Pressure Regulator	509.66	37.42
32 84 23 00-0096	EA	2-1/2", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve With Pressure Regulator	668.87	45.50
32 84 23 00-0097	EA	3", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve With Pressure Regulator	745.28	50.51
32 84 23 00-0098		**5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator** *(32 84 23 00-0057)*		
		Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0099	EA	1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator	472.86	42.05
32 84 23 00-0100	EA	1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator	529.05	42.05
32 84 23 00-0101	EA	1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator	553.77	42.05
32 84 23 00-0102	EA	2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator	618.96	42.05
32 84 23 00-0103		**Other Electric Remote Control Valves** *(32 84 23 00-0057)*		
32 84 23 00-0104	EA	3/4" TxT Electric Valve, Rainbird 75DV	111.04	42.66
32 84 23 00-0105	EA	1" TxT Electric Valve, Rainbird 100DV	111.84	42.66
32 84 23 00-0106	EA	1" TxT Electric Angle Valve, Rainbird 100DVA	111.84	42.66
32 84 23 00-0107	EA	1" TxT With Flow Control, Rainbird 100DVF	113.44	42.66
32 84 23 00-0108	EA	1" TxT Angle With Flow Control, Rainbird 100DVFA	113.44	42.66
32 84 23 00-0109	EA	1" SxS Electric Valve, Rainbird 100DVSS	111.04	42.66
32 84 23 00-0110	EA	1" SxS With Flow Control, Rainbird 100DVFSS	112.64	42.66
32 84 23 00-0111	EA	1" M Barb Electric Valve With Flow, Rainbird 100DVFMB	111.84	42.66
32 84 23 00-0112	EA	1" M x M Electric Valve With Flow, Rainbird 100DVFMM	111.84	42.66
32 84 23 00-0113	EA	1" Brass Remote Control Valve With Flow Control And Captured Solenoid (Rainbird EFB-CP)	256.23	
32 84 23 00-0114	EA	1-1/2" Brass Remote Control Valve With Flow Control And Captured Solenoid (Rainbird EFB-CP)	287.50	
32 84 23 00-0115	EA	2" Brass Remote Control Valve With Flow Control And Captured Solenoid (Rainbird EFB-CP)	337.57	
32 84 23 00-0116	EA	1" Glass-Filled Nylon Remote Control Valve With Flow Control And Captured Solenoid (Rainbird PEB)	154.58	
32 84 23 00-0117	EA	1-1/2" Glass-Filled Nylon Remote Control Valve With Flow Control And Captured Solenoid (Rainbird PEB)	177.04	
32 84 23 00-0118	EA	2" Glass-Filled Nylon Remote Control Valve With Flow Control And Captured Solenoid (Rainbird PEB)	206.87	
32 84 23 00-0119	EA	1" Glass-Filled Nylon Remote Control Scrubber Valve With Flow Control And Captured Solenoid (Rainbird PESB)	180.66	
32 84 23 00-0120	EA	1-1/2" Glass-Filled Nylon Remote Control Scrubber Valve With Flow Control And Captured Solenoid (Rainbird PESB)	207.58	
32 84 23 00-0121	EA	2" Glass-Filled Nylon Remote Control Scrubber Valve With Flow Control And Captured Solenoid (Rainbird PESB)	234.80	
32 84 23 00-0122	EA	Pressure Regulating For Valves (Rainbird PRS-Dial)	78.20	
32 84 23 00-0123		**Irrigation Valve Boxes** *(32 84 23)*		
		Note: Includes lid.		
32 84 23 00-0124	EA	6" Round Irrigation Valve Box	65.60	26.94
32 84 23 00-0125	EA	7" Round Irrigation Valve Box	77.85	26.94
32 84 23 00-0126	EA	10" Round Irrigation Valve Box	102.95	35.48
32 84 23 00-0127	EA	21.8" x 16.6" Rectangular Irrigation Valve Box	150.04	51.78
32 84 23 00-0128	EA	26.3" x 19.8" Rectangular Irrigation Valve Box	175.19	51.78
32 84 23 00-0129	EA	33.1" x 23.8" Rectangular Irrigation Valve Box	269.65	51.78
32 84 23 00-0130	EA	40.3" x 27.1" Rectangular Irrigation Valve Box	392.86	51.78
32 84 23 00-0131		**Irrigation Controllers** *(32 84 23)*		
		See CSI section 27 14 13 16-0349 for low voltage wiring.		
32 84 23 00-0132		**Irrigation Controllers** *(32 84 23 00-0131)*		
32 84 23 00-0133		**Two Program, Indoor Mount, Hybrid Irrigation Controllers** *(32 84 23 00-0132)*		
		Note: Station timing: 0 to 99 minutes. Automatic starts: 3 per day per program. Programming schedule: 2, 3 or 5-day fixed cycle or 7-day variable cycle. Includes plastic indoor cabinet.		
32 84 23 00-0134	EA	4-Station, Two Program, Indoor Mount, Hybrid Irrigation Controller	203.05	27.33
32 84 23 00-0135	EA	6-Station, Two Program, Indoor Mount, Hybrid Irrigation Controller	256.34	27.33
32 84 23 00-0136	EA	8-Station, Two Program, Indoor Mount, Hybrid Irrigation Controller	308.93	27.33
32 84 23 00-0137		**Three Program, Indoor Mount, Modular Irrigation Controllers** *(32 84 23 00-0132)*		
		Note: Station timing: 0 to 6 hours. Automatic starts: 4 per day per program. Independent programming schedule options variable per program: custom day-of-the-week, odd day watering, even day watering and variable day cycle from 1 to 31 days. Includes plastic indoor cabinet.		
32 84 23 00-0138		**Three Program, Indoor Mount, Modular Irrigation Controllers** *(32 84 23 00-0137)*		
32 84 23 00-0139	EA	4-Station, Three Program, Indoor Mount, Modular Irrigation Controller	208.68	27.33
		For Outdoor Installations, Add	*37.26*	
32 84 23 00-0140	EA	7-Station, Three Program, Indoor Mount, Modular Irrigation Controller	293.68	27.33
		For Outdoor Installations, Add	*42.36*	
32 84 23 00-0141	EA	10-Station, Three Program, Indoor Mount, Modular Irrigation Controller	378.66	27.33
		For Outdoor Installations, Add	*47.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0142	EA	13-Station, Three Program, Indoor Mount, Modular Irrigation Controller	463.65	27.33
		For Outdoor Installations, Add	*52.58*	
32 84 23 00-0143		**Accessories For Three Program Modular Irrigation Controllers** *(32 84 23 00-0137)*		
32 84 23 00-0144	EA	3-Station Expansion Module For Three Program Modular Irrigation Controllers. Note: Use task for increasing capacity of existing three program modular irrigation controllers up to a maximum of 13-stations.	139.64	
32 84 23 00-0145		**Four Program, Indoor/Outdoor Mount, Hybrid Irrigation Controllers** *(32 84 23 00-0132)* Note: Station timing: 0 to 12 hours. Automatic starts: 8 per day per program. Independent programming schedule options variable per program: custom day-of-the-week, odd day watering, even day watering and variable day cycle from 1 to 99 days. Includes powder coated steel wall mount cabinet.		
32 84 23 00-0146		**Four Program, Indoor/Outdoor Mount, Hybrid Irrigation Controllers** *(32 84 23 00-0145)*		
32 84 23 00-0147	EA	8-Station, Four Program, Indoor/Outdoor Mount, Hybrid Irrigation Controller	674.42	27.33
32 84 23 00-0148	EA	12-Station, Four Program, Indoor/Outdoor Mount, Hybrid Irrigation Controller	735.90	27.33
32 84 23 00-0149	EA	16-Station, Four Program, Indoor/Outdoor Mount, Hybrid Irrigation Controller	1,138.93	27.33
32 84 23 00-0150	EA	24-Station, Four Program, Indoor/Outdoor Mount, Hybrid Irrigation Controller	1,261.89	27.33
32 84 23 00-0151	EA	28-Station, Four Program, Indoor/Outdoor Mount, Hybrid Irrigation Controller	1,893.08	27.33
32 84 23 00-0152	EA	32-Station, Four Program, Indoor/Outdoor Mount, Hybrid Irrigation Controller	1,954.56	27.33
32 84 23 00-0153	EA	36-Station, Four Program, Indoor/Outdoor Mount, Hybrid Irrigation Controller	2,512.84	27.33
32 84 23 00-0154	EA	40-Station, Four Program, Indoor/Outdoor Mount, Hybrid Irrigation Controller	2,574.32	27.33
32 84 23 00-0155		**Accessories For Four Program Hybrid Irrigation Controllers** *(32 84 23 00-0145)*		
32 84 23 00-0156	EA	Stainless Steel Pedestal For Four Program Hybrid Irrigation Controllers. Note: Excludes concrete foundation.	678.65	
32 84 23 00-0157		**Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers** *(32 84 23 00-0132)* Note: Station timing: 0 to 12 hours. Automatic starts: 8 per day per program. Independent programming schedule options variable per program: custom day-of-the-week, odd day watering, even day watering and variable day cycle from 1 to 31 days. Includes weather-resistant plastic cabinet.		
32 84 23 00-0158		**Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers** *(32 84 23 00-0157)*		
32 84 23 00-0159	EA	8-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller	417.92	27.33
32 84 23 00-0160	EA	12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller	523.95	27.33
32 84 23 00-0161	EA	16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller	627.96	27.33
32 84 23 00-0162	EA	20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller	733.98	27.33
32 84 23 00-0163	EA	24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller	837.99	27.33
32 84 23 00-0164	EA	28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller	944.03	27.33
32 84 23 00-0165	EA	32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller	1,048.03	27.33
32 84 23 00-0166		**Accessories For Four Program Modular Irrigation Controllers** *(32 84 23 00-0157)*		
32 84 23 00-0167	EA	Metal Cabinet For Four Program Modular Irrigation Controllers	297.82	
32 84 23 00-0168	EA	Metal Cabinet With Pedestal For Four Program Modular Irrigation Controllers. Note: Excludes concrete foundation.	702.95	
32 84 23 00-0169	EA	ET Manager, Weather-Based Irrigation Control Module For Four Program Modular Irrigation Controllers.	507.07	
32 84 23 00-0170	EA	Satellite Remote Control Module With RS232 Communication For Four Program Modular Irrigation Controllers	589.42	
32 84 23 00-0171	EA	Satellite Remote Control Module With Phone And RS232 Communication For Four Program Modular Irrigation Controllers	626.54	
32 84 23 00-0172	EA	4-Station Expansion Module For Four Program Modular Irrigation Controllers. Note: Use task for increasing capacity of existing four program modular irrigation controllers up to a maximum of 32-stations.	208.50	
32 84 23 00-0173	EA	8-Station Expansion Module For Four Program Modular Irrigation Controllers. Note: Use task for increasing capacity of existing four program modular irrigation controllers up to a maximum of 32-stations.	360.33	
32 84 23 00-0174		**Three Program, Battery-Operated, Buriable Irrigation Control Modules** *(32 84 23 00-0132)* Note: Station timing: 1 minute to 12 hours. Automatic starts: 8 per day per program. Dependent programming schedule options: odd day watering, odd-31 day watering, even day watering or 1 to 6 day cycles.		
32 84 23 00-0175		**Three Program, Battery-Operated, Buriable Irrigation Control Modules** *(32 84 23 00-0174)*		
32 84 23 00-0176	EA	1-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module	229.80	27.33
32 84 23 00-0177	EA	2-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module	305.05	27.33
32 84 23 00-0178	EA	4-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module	404.93	27.33
32 84 23 00-0179		**Accessories For Three Program Buriable Irrigation Control Modules** *(32 84 23 00-0174)*		
32 84 23 00-0180	EA	Field Transmitter For Three Program Buriable Irrigation Control Modules	201.82	
32 84 23 00-0181	EA	Potted Latching Solenoid For Three Program Buriable Irrigation Control Modules	62.51	20.50
32 84 23 00-0182		**Accessories For Irrigation Controllers** *(32 84 23 00-0132)*		
32 84 23 00-0183	EA	Wired Rain Sensor For Irrigation Controllers	106.99	20.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0184	EA	Automatic Rain Shutoff Sensor For Irrigation Controllers Note: Includes adjustable sensing probes.	136.31	20.50
32 84 23 00-0185		**Weather-Based Irrigation Management Systems** *(32 84 23 00-0131)*		
32 84 23 00-0186		**ET Manager, Weather-Based Irrigation Management System** *(32 84 23 00-0185)* Note: ET Managers interface with existing irrigation controllers or two-wire decoder systems. The system receives hourly weather data from local weather station broadcasts via an internal antenna.		
32 84 23 00-0187	EA	ET Manager, Weather-Based Irrigation Management System	796.37	27.33
32 84 23 00-0188	EA	120 Volt AC Transformer For ET Manager, Weather-Based Irrigation Management System Note: External antenna for areas with a weak paging signal.	47.62	13.66
32 84 23 00-0189	EA	Tipping Rain Gauge For ET Manager, Weather-Based Irrigation Management System	221.03	27.33
32 84 23 00-0190	EA	Remote Antenna Kit For ET Manager, Weather-Based Irrigation Management System Note: External antenna for areas with a weak paging signal.	248.03	30.74
32 84 23 00-0191	EA	Outdoor Enclosure For ET Manager, Weather-Based Irrigation Management System	245.47	20.50
32 84 23 00-0192		**Two-Wire Decoder Systems** *(32 84 23 00-0131)*		
32 84 23 00-0193		**Controllers For Two-Wire Decoder Systems** *(32 84 23 00-0192)*		
32 84 23 00-0194	EA	50-Station, Modular Controller For Two-Wire Decoder Systems Note: Expandable up to 200-stations with expansion modules. Includes water resistant cabinet.	2,029.48	27.33
32 84 23 00-0195		**Field Decoders For Two-Wire Decoder Systems** *(32 84 23 00-0192)*		
32 84 23 00-0196	EA	One Individual Valve Interface, Field Decoder For Two-Wire Decoder System	163.41	27.33
32 84 23 00-0197	EA	One Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System	205.76	27.33
32 84 23 00-0198	EA	Two Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System	301.06	27.33
32 84 23 00-0199	EA	Up To Four Individual Valves Interface, Field Decoder For Two-Wire Decoder System	356.18	27.33
32 84 23 00-0200	EA	Up To Six Individual Valves Interface, Field Decoder For Two-Wire Decoder System	569.75	27.33
32 84 23 00-0201		**Accessories For Two-Wire Decoder Systems** *(32 84 23 00-0192)*		
32 84 23 00-0202	EA	50-Station, Expansion Module For Two-Wire Decoder Controllers Note: Use task for increasing capacity of existing two-wire decoder system controllers up to a maximum of 200-stations.	975.99	
32 84 23 00-0203	EA	Line Surge Protection For Two-Wire Decoder Systems	124.85	23.91
32 84 23 00-0204	EA	Sensor Decoder Interface For Two-Wire Decoder Systems	481.36	27.33
32 84 23 00-0205		**Calsense Controllers** *(32 84 23 00-0131)*		
32 84 23 00-0206		**Irrigation Controllers** *(32 84 23 00-0205)*		
32 84 23 00-0207	EA	6 Station ET-Driven Irrigation Controller (Calsense ET2000E-6)	1,442.35	68.32
32 84 23 00-0208	EA	8 Station ET-Driven Irrigation Controller (Calsense ET2000E-8)	1,854.18	76.85
32 84 23 00-0209	EA	12 Station ET-Driven Irrigation Controller (Calsense ET2000E-12)	2,533.22	85.39
32 84 23 00-0210	EA	16 Station ET-Driven Irrigation Controller (Calsense ET2000E-16)	2,782.21	85.39
32 84 23 00-0211	EA	24 Station ET-Driven Irrigation Controller (Calsense ET2000E-24)	3,285.14	93.93
32 84 23 00-0212	EA	32 Station ET-Driven Irrigation Controller (Calsense ET2000E-32)	3,953.18	93.93
32 84 23 00-0213	EA	40 Station ET-Driven Irrigation Controller (Calsense ET2000E-40)	4,474.33	102.47
32 84 23 00-0214	EA	48 Station ET-Driven Irrigation Controller (Calsense ET2000E-48)	5,002.69	102.47
32 84 23 00-0215	EA	Upgrade Existing Calsense Controller To ET2000E (Calsense ET2000E-UPGRADE)	1,448.57	34.16
32 84 23 00-0216	EA	Upgrade Existing Calsense Controller With 8 Additional Stations (Calsense STATION UPGRADE)	620.42	34.16
32 84 23 00-0217		**Irrigation Controller Accessories** *(32 84 23 00-0205)*		
32 84 23 00-0218	EA	Set Of 10 Keys For Calsense Controllers Or Enclosures (Calsense KEY-1)	58.30	
32 84 23 00-0219	EA	Spare Lock For Enclosures (Calsense PAD)	63.16	
32 84 23 00-0220	EA	Hardware And Software For Up To 4 Additional Light Circuits (Calsense L)	80.23	8.54
32 84 23 00-0221	EA	Transformer For Irrigation Controllers (Calsense TR-1)	129.05	34.16
32 84 23 00-0222	EA	AC Line Protection For Irrigation Controllers (Calsense TP-110)	317.32	34.16
32 84 23 00-0223	EA	Transient Protection Board For Irrigation Controller Stations (Calsense TP-1)	414.49	34.16
		For Outdoor Gray Powder Coated Stainless Steel Enclosure, Add	*337.60*	
32 84 23 00-0224		**Sensors For Irrigation Controllers** *(32 84 23 00-0205)*		
32 84 23 00-0225		**Flow Sensors** *(32 84 23 00-0224)*		
32 84 23 00-0226	EA	1-1/2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 1.5)	721.93	51.23
		For Flow Meter Replacement Insert Only, Deduct	*-358.61*	
32 84 23 00-0227	EA	2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 2)	746.22	51.23
		For Flow Meter Replacement Insert Only, Deduct	*-382.90*	
32 84 23 00-0228	EA	3" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 3)	770.51	51.23
		For Flow Meter Replacement Insert Only, Deduct	*-407.19*	
32 84 23 00-0229	EA	1" Brass Tee Mounted Flow Meter (Calsense FM 1B)	859.33	68.32
		For Flow Meter Replacement Insert Only, Deduct	*-495.80*	
32 84 23 00-0230	EA	1-1/4" Brass Tee Mounted Flow Meter (Calsense FM 1.25B)	920.06	68.32
		For Flow Meter Replacement Insert Only, Deduct	*-556.53*	
32 84 23 00-0231	EA	1-1/2" Brass Tee Mounted Flow Meter (Calsense FM 1.5B)	944.35	68.32
		For Flow Meter Replacement Insert Only, Deduct	*-580.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0232	EA	2" Brass Tee Mounted Flow Meter (Calsense FM 2B)	1,102.25	68.32
		For Flow Meter Replacement Insert Only, Deduct	*-610.44*	
32 84 23 00-0233	EA	2" Pipe Saddle Mounted Insertion Flow Meter (Calsense FMBX) Note: For 4" and larger pipe. Excludes pipe saddle.	845.68	34.16
		For Flow Meter Replacement Insert Only, Deduct	*-353.86*	
32 84 23 00-0234		**Moisture Sensors** *(32 84 23 00-0224)*		
32 84 23 00-0235	EA	Soil Moisture Sensor (Calsense 1000-S)	306.30	25.62
32 84 23 00-0236		**Weather Sensors** *(32 84 23 00-0224)*		
32 84 23 00-0237	EA	Wind Gage, Irrigation Weather Sensor (Calsense WG-1)	835.04	68.32
32 84 23 00-0238	EA	Tipping Rain Bucket, Irrigation Weather Sensor (Calsense RB-1)	995.95	136.63
32 84 23 00-0239	EA	ET Gage, Irrigation Weather Sensor (Calsense ETG)	1,875.04	102.47
32 84 23 00-0240		**Weather Sensor Accessories** *(32 84 23 00-0224)*		
32 84 23 00-0241	EA	Replacement Ceramic Cup For ET Gage Weather Sensor (Calsense ETG-C)	554.17	
32 84 23 00-0242	EA	Replacement Circuit Board For ET Gage Weather Sensor (Calsense ETG-PCB)	1,027.87	
32 84 23 00-0243	EA	Vandal Resistant Mounting Base For ET Gage Enclosure (Calsense ETGE-BASE)	554.17	34.16
32 84 23 00-0244	EA	Vandal Resistant Stainless Steel Enclosure For ET Gage (Calsense ETGE)	1,242.71	34.16
32 84 23 00-0245		**Antennas For Irrigation Controllers** *(32 84 23 00-0205)* Note: Excludes antenna cable.		
32 84 23 00-0246	EA	Local Radio Dome Antenna (Calsense LR-DOME)	299.10	34.16
32 84 23 00-0247	EA	Local Radio Stick Antenna (Calsense LR-STICK)	426.63	34.16
32 84 23 00-0248	EA	Local Radio Yagi Antenna (Calsense LR-YAGI)	494.94	68.32
32 84 23 00-0249	EA	Local Radio And Calsense Radio, Remote Dome Antenna (Calsense LR-DOME-RR)	299.10	34.16
32 84 23 00-0250	EA	Local Radio And Calsense Radio, Enhanced Remote Dome Antenna (Calsense LR-DOME-RRE)	299.10	34.16
32 84 23 00-0251	EA	GPRS Stubby Antenna (Calsense GR-STUBBY)	299.10	34.16
32 84 23 00-0252	EA	GPRS Stick Antenna (Calsense GR-STICK)	426.63	34.16
32 84 23 00-0253	EA	Spread Spectrum Dome Antenna (Calsense SR-DOME)	299.10	34.16
32 84 23 00-0254	EA	Spread Spectrum Stick Antenna (Calsense SR-STICK)	426.63	34.16
32 84 23 00-0255	EA	Spread Spectrum Yagi Antenna (Calsense SR-YAGI)	494.94	68.32
32 84 23 00-0256	EA	Spread Spectrum And Calsense Radio, Remote Dome Antenna (Calsense SR-DOME-RR)	299.10	34.16
32 84 23 00-0257	EA	Spread Spectrum And Calsense Radio, Enhanced Remote Dome Antenna (Calsense SR-DOME-RRE)	299.10	34.16
32 84 23 00-0258	EA	Spread Spectrum Stubby Antenna (Calsense SR-STUBBY)	299.10	34.16
32 84 23 00-0259	EA	WiFi Stubby Antenna (Calsense WEN-STUBBY)	299.10	34.16
32 84 23 00-0260	LF	Antenna Cable With End Connectors (Calsense LMR-400-DB)	7.86	0.41
32 84 23 00-0261	EA	Surge Protection Device For Antenna (Calsense ANT-PROT)	289.23	17.07
32 84 23 00-0262	EA	5' High, Non-Penetrating, Antenna Tripod Mount (Calsense ANT-TRIP5)	475.22	34.16
32 84 23 00-0263	EA	3' Antenna Stand Off Mount For 3" Maximum Tower Leg (Calsense ANT-SOM)	394.75	
32 84 23 00-0264	EA	Local Radio Frequency Filter (Calsense LR-FILTER)	558.73	
32 84 23 00-0265	EA	Spread Spectrum Frequency Filter (Calsense SR-FILTER)	412.97	
32 84 23 00-0266		**Pedestals And Enclosures For Irrigation Controllers** *(32 84 23 00-0205)*		
32 84 23 00-0267	EA	15 Amp, Circuit Breaker With Enclosure For Irrigation Controllers (Calsense SSE-BREAKER)	284.66	51.23
32 84 23 00-0268	EA	Standard Gray Powder Coated Stainless Steel Controller Enclosure (Calsense C-BOX)	667.67	85.39
32 84 23 00-0269	EA	Indoor Wall Mount, Stainless Steel Back Panel (Calsense SSBP) Note: Includes GFI and receptacle.	706.00	34.16
32 84 23 00-0270	EA	Standard Gray Powder Coated Stainless Steel Pedestal (Calsense PD-1) Note: Includes factory installed transient protection board and AC line protection.	834.66	25.62
32 84 23 00-0271	EA	Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE) Note: Includes factory installed transient protection board and AC line protection.	2,584.54	25.62
32 84 23 00-0272	EA	Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-R) Note: Includes factory installed transient protection board, AC line protection and dome antenna.	2,917.73	25.62
32 84 23 00-0273	EA	Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D) Note: Includes factory installed transient protection boards and AC line protection. Pre-wired for two controllers.	4,241.56	51.23
32 84 23 00-0274	EA	Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D-R) Note: Includes factory installed transient protection boards, AC line protection and dome antenna. Pre-wired for two controllers.	4,444.46	51.23
32 84 23 00-0275	EA	Bolt Mounting Template For Heavy-Duty Stainless Steel Enclosures (Calsense SSE-CAM)	149.57	
32 84 23 00-0276	EA	Stainless Steel Fully Enclosed Riser For Calsense SSE Enclosures (Calsense SSE-PED)	482.42	
32 84 23 00-0277		**Central Computer For Irrigation Control Systems** *(32 84 23 00-0205)*		
32 84 23 00-0278	EA	Central Computer For Irrigation Control Systems (Calsense COMP-2) Note: Includes a minimum of 133 MHz Pentium, 32 Meg Ram, 1.2 GB hard drive, 14.4 modem and a printer. Excludes Command Center Water Management software.	3,259.46	
32 84 23 00-0279	EA	Command Center Water Management Software For Central Computer (Calsense COMM-1)	5,754.95	
32 84 23 00-0280	EA	Up To 5 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-5) Note: Package price for up to 5 users. Includes remote communication through internet connection.	1,110.76	
32 84 23 00-0281	EA	>5 To 10 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-10) Note: Package price for 6 to 10 users. Includes remote communication through internet connection.	2,173.69	
32 84 23 00-0282	EA	Data Logger With Phone Modem For Irrigation Control Systems (Calsense DL-2)	3,495.30	
32 84 23 00-0283	EA	GPRS Radio For Use At Central Computer (Calsense DTR-G)	2,086.94	

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32 84 23 00-0284		**Data Access Service** *(32 84 23 00-0205)*		
32 84 23 00-0285	EA	1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN) Note: For communication between GPRS unit and up to 2 controllers.	17.67	
32 84 23 00-0286	EA	1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR) Note: For communication between GPRS unit and up to 2 controllers.	193.24	
32 84 23 00-0287	EA	5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR) Note: For communication between GPRS unit and up to 2 controllers.	828.15	
32 84 23 00-0288	EA	1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN-M) Note: For communication between GPRS unit and multiple controllers.	71.77	
32 84 23 00-0289	EA	1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR-M) Note: For communication between GPRS unit and multiple controllers.	772.94	
32 84 23 00-0290	EA	5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR-M) Note: For communication between GPRS unit and multiple controllers.	3,312.60	
32 84 23 00-0291		**Communication Options For Irrigation Controllers** *(32 84 23 00-0205)*		
32 84 23 00-0292	EA	FCC License Fee (Calsense)	128.02	
32 84 23 00-0293	EA	P.C.I.A. And/Or A.P.C.O. Fee (Calsense) Note: Per frequency or frequency pair.	238.44	
32 84 23 00-0294	EA	Hardware Communication Option For Irrigation Controllers (Calsense M) Note: Allows multiple controllers to be chained together via a communications cable and share one phone line.	640.44	
32 84 23 00-0295	EA	Phone Line Communication Option For Irrigation Controllers (Calsense R)	673.56	
32 84 23 00-0296	EA	Ethernet Communication Option For Irrigation Controllers (Calsense EN)	673.56	
32 84 23 00-0297	EA	WiFi Communication Option For Irrigation Controllers (Calsense WEN)	1,380.25	
32 84 23 00-0298	EA	Local Radio Communication Option For Irrigation Controllers (Calsense LR)	1,755.68	
32 84 23 00-0299	EA	Spread Spectrum Radio Communication Option For Irrigation Controllers (Calsense SR)	1,755.68	
32 84 23 00-0300	EA	GPRS Radio Modem Communication Option For Irrigation Controllers (Calsense GR)	1,755.68	
32 84 23 00-0301	EA	Fiber Optic Modem Communication Option For Irrigation Controllers (Calsense FOM)	5,631.42	
32 84 23 00-0302	EA	Communication Hub For Irrigation Controllers (Calsense HUB) Note: Accepts up to two communication options. Excludes communication options.	2,179.07	
32 84 23 00-0303		**Retrofit Options For Irrigation Controllers** *(32 84 23 00-0205)*		
32 84 23 00-0304		**Weather Retrofits For Irrigation Controllers** *(32 84 23 00-0303)*		
32 84 23 00-0305	EA	Add One Flow Sensor Interface To An Existing Calsense Controller (Calsense F-RETRO)	879.91	
32 84 23 00-0306	EA	Add One ET Gage Interface To An Existing Calsense Controller (Calsense G-RETRO)	879.91	
32 84 23 00-0307	EA	Add One Tipping Rain Bucket Interface To An Existing Calsense Controller (Calsense RB-RETRO)	879.91	
32 84 23 00-0308	EA	Add One Wind Gage Interface To An Existing Calsense Controller (Calsense WG-RETRO)	879.91	
32 84 23 00-0309		**Phone Communication Retrofits For Irrigation Controllers** *(32 84 23 00-0303)*		
32 84 23 00-0310	EA	Add The Ability To Chain To Another Calsense Controller With The Phone Line Communication Option And Share One Phone Line (Calsense M-RETRO)	924.08	
32 84 23 00-0311	EA	Add The Phone Line Communication Option To An Existing Calsense Controller (Calsense R-RETRO)	1,089.70	
32 84 23 00-0312	EA	Add The Phone Line Communication Option And The Ability To Chain To Another Calsense Controller And Share One Phone Line (Calsense MLR-RETRO)	1,735.66	
32 84 23 00-0313		**Local Radio Communication Retrofits For Irrigation Controllers** *(32 84 23 00-0303)*		
32 84 23 00-0314	EA	Add The Ability To Chain To Another Calsense Controller With The Local Radio Communication Option And Share One Local Radio (Calsense ML-RETRO)	1,034.50	
32 84 23 00-0315	EA	Add The Local Radio Communication Option To An Existing Calsense Controller (Calsense LR-RETRO)	2,160.78	
32 84 23 00-0316	EA	Add The Local Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Local Radio (Calsense MLR-RETRO)	2,801.22	
32 84 23 00-0317		**Spread Spectrum Radio Communication Retrofits For Irrigation Controllers** *(32 84 23 00-0303)*		
32 84 23 00-0318	EA	Add The Ability To Chain To Another Calsense Controller With The Spread Spectrum Radio Communication Option And Share One Spread Spectrum Radio (Calsense MS-Retro)	1,034.50	
32 84 23 00-0319	EA	Add The Spread Spectrum Radio Communication Option To An Existing Calsense Controller (Calsense SR-RETRO)	2,160.78	
32 84 23 00-0320	EA	Add The Spread Spectrum Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Spread Spectrum Radio (Calsense MSR-RETRO)	2,801.22	
32 84 23 00-0321		**Ethernet Communication Retrofits For Irrigation Controllers** *(32 84 23 00-0303)*		
32 84 23 00-0322	EA	Add The Ability To Chain To Another Calsense Controller With The Ethernet Communication Option And Share One Ethernet Device (Calsense ME-Retro)	1,034.50	
32 84 23 00-0323	EA	Add The Ethernet Communication Option To An Existing Calsense Controller (Calsense EN-RETRO)	1,089.70	
32 84 23 00-0324	EA	Add The Ethernet Communication Option And The Ability To Chain To Another Calsense Controller And Share One Ethernet Device (Calsense MEN-RETRO)	1,735.66	
32 84 23 00-0325		**GPRS Radio Modem Communication Retrofits For Irrigation Controllers** *(32 84 23 00-0303)*		
32 84 23 00-0326	EA	Add The Ability To Chain To Another Calsense Controller With The GPRS Communication Option And Share One GPRS Modem (Calsense MG-RETRO)	1,034.50	
32 84 23 00-0327	EA	Add The GPRS Communication Option To An Existing Calsense Controller (Calsense GR-RETRO)	2,160.78	
32 84 23 00-0328	EA	Add The GPRS Communication Option And The Ability To Chain To Another Calsense Controller And Share One GPRS Modem (Calsense MGR-RETRO)	2,801.22	

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32 84 23 00-0329		**Radio Remote Units For Irrigation Controllers** *(32 84 23 00-0205)*		
32 84 23 00-0330	EA	Enhanced Radio Remote Hand-Held Transmitter With Carry Case (Calsense RRe-TRAN)	1,040.02	
32 84 23 00-0331	EA	Calsense Integrated Radio Remote Receiver Board (Calsense RR/RRe) Note: Includes polyvinyl chloride (PVC) stick antenna. Excludes antenna cable.	218.63	
32 84 23 00-0332	EA	Wall Mount Charger For Hand-Held Transmitter (Calsense RRTRAN-CHG)	93.86	
32 84 23 00-0333	EA	Replacement Battery For Hand-Held Transmitter (Calsense RRTRAN-BAT)	171.66	
32 84 23 00-0334	EA	Polyvinyl Chloride (PVC) Stick Antenna For Radio Remote Receiver Board (Calsense RR-ANT) Note: Excludes antenna cable.	110.93	8.54
32 84 23 00-0335	EA	Whip Antenna For Radio Remote Receiver Board (Calsense RRe-WHIP) Note: Excludes antenna cable.	210.31	8.54
32 84 23 00-0336	EA	Dome Antenna For Radio Remote Receiver Board (Calsense RR-Dome/RRe-Dome) Note: Excludes antenna cable.	226.87	8.54
32 84 23 00-0337		**Satellite Irrigation Controllers (Rainbird ESP-SAT)** *(32 84 23 00-0131)* Note: Satellite controllers compatible with Maxi-Con Central Control. Includes link communication with SEMET at the controller and stainless steel cabinet. Excludes concrete pad.		
32 84 23 00-0338	EA	12 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rainbird RBESP12SATLS)	2,483.91	153.71
32 84 23 00-0339	EA	24 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rainbird RBESP24SATLS)	2,619.60	162.25
32 84 23 00-0340	EA	40 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rainbird RBESP40SATLS)	3,606.66	170.78
32 84 23 00-0341		**Irrigation Valves** *(32 84 23)*		
32 84 23 00-0342		**Reduced Pressure Zone Assemblies With QT Shut-Offs** *(32 84 23 00-0341)* Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
32 84 23 00-0343	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series)	397.34	30.89
32 84 23 00-0344	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	472.35	37.72
32 84 23 00-0345	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	702.79	43.90
32 84 23 00-0346	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	746.12	50.40
32 84 23 00-0347	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	899.42	65.04
32 84 23 00-0348		**Brass Quick-Coupling Irrigation Valves** *(32 84 23 00-0341)*		
32 84 23 00-0349	EA	3/4", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rainbird® 3RC)	131.80	26.94
		For Valve Key, Add	*39.85*	
32 84 23 00-0350	EA	3/4", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rainbird® 33DRC)	141.91	26.94
		For Locking Cover, Add	*25.00*	
		For Valve Key, Add	*39.85*	
32 84 23 00-0351	EA	1", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rainbird® 44RC)	190.24	26.94
		For Valve Key, Add	*87.87*	
32 84 23 00-0352	EA	1", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rainbird® 44LRC)	216.09	26.94
		For Locking Cover, Add	*25.00*	
		For Valve Key, Add	*87.87*	
32 84 23 00-0353		**Anti-Siphon Pressure Type Vacuum Breaker** *(32 84 23 00-0341)* Note: Pressure: 15 to 150 PSI, temperature: 33 to 140 degrees Fahrenheit.		
32 84 23 00-0354	EA	3/4" Anti-Siphon Pressure Type Vacuum Breaker	133.44	22.76
32 84 23 00-0355	EA	1" Anti-Siphon Pressure Type Vacuum Breaker	185.32	26.02
32 84 23 00-0356	EA	1-1/4" Anti-Siphon Pressure Type Vacuum Breaker	321.75	30.08
32 84 23 00-0357	EA	1-1/2" Anti-Siphon Pressure Type Vacuum Breaker	390.64	33.33
32 84 23 00-0358	EA	2" Anti-Siphon Pressure Type Vacuum Breaker	399.49	40.64
32 84 23 00-0359		**Irrigation Piping** *(32 84 23)*		
32 84 23 00-0360	LF	3/4" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings	2.12	0.94
		For >1,000, Deduct	*-0.11*	
32 84 23 00-0361	LF	1" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings	2.55	1.12
		For >1,000, Deduct	*-0.13*	
32 84 23 00-0362	LF	1-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings	3.53	1.42
		For >1,000, Deduct	*-0.18*	
32 84 23 00-0363	LF	2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings	4.52	1.78
		For >1,000, Deduct	*-0.23*	
32 84 23 00-0364	LF	2-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings	5.68	2.09
		For >1,000, Deduct	*-0.28*	
32 84 23 00-0365	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings	1.78	0.75
		For >1,000, Deduct	*-0.09*	
32 84 23 00-0366	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings	2.23	0.94
		For >1,000, Deduct	*-0.11*	
32 84 23 00-0367	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings	2.73	1.12
		For >1,000, Deduct	*-0.14*	
32 84 23 00-0368	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings	3.66	1.42
		For >1,000, Deduct	*-0.18*	
32 84 23 00-0369	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings	4.63	1.78
		For >1,000, Deduct	*-0.23*	
32 84 23 00-0370	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings	5.84	2.09
		For >1,000, Deduct	*-0.29*	
32 84 23 00-0371	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings	8.15	2.99
		For >1,000, Deduct	*-0.41*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0372		**Irrigation Swing Joints** *(32 84 23)*		
32 84 23 00-0373	EA	3/4" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rainbird TSJ12075)	50.50	16.63
32 84 23 00-0374	EA	1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rainbird TSJ12)	62.05	20.77
32 84 23 00-0375	EA	1" Male NPT, 18" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rainbird TSJ18)	77.25	20.77
32 84 23 00-0376	EA	1-1/2" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rainbird TSJ12150)	94.77	30.12
32 84 23 00-0377	EA	3/4" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint With 45 PSI Pressure Regulator (Rainbird TSJ075PRS)	64.79	16.63
32 84 23 00-0378	EA	1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint With 70 PSI Pressure Regulator (Rainbird TSJ100PRS)	76.24	20.77
32 84 23 00-0379	EA	1/2" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, Type I Note: Consists of three threaded 90 degree elbows and 12" threaded pipe.	40.45	19.71
32 84 23 00-0380	EA	3/4" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, Type I Note: Consists of three threaded 90 degree elbows and 12" threaded pipe.	53.73	26.16
32 84 23 00-0381	EA	1" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, Type I Note: Consists of three threaded 90 degree elbows and 12" threaded pipe.	66.60	32.07
32 84 23 00-0382	EA	1/2" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, Type II Note: Consists of one threaded 90 degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.	43.67	19.71
32 84 23 00-0383	EA	3/4" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, Type II Note: Consists of one threaded 90 degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.	57.72	26.16
32 84 23 00-0384	EA	1" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, Type II Note: Consists of one threaded 90 degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.	70.60	32.07
32 84 23 00-0385	EA	1/2" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, Type III Note: Consists of two street 90 degree elbows.	24.69	12.07
32 84 23 00-0386	EA	3/4" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, Type III Note: Consists of two street 90 degree elbows.	32.96	16.10
32 84 23 00-0387	EA	1" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, Type III Note: Consists of two street 90 degree elbows.	41.30	19.95
32 84 23 00-0388		**Irrigation Control Wire** *(32 84 23)* Note: Excludes excavation and backfill.		
32 84 23 00-0389		**18 AWG, Irrigation Control Wire, Buried In Trench** *(32 84 23 00-0388)*		
32 84 23 00-0390	CLF	1-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	32.67	11.22
32 84 23 00-0391	CLF	2-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	42.10	13.09
32 84 23 00-0392	CLF	3-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	48.40	14.97
32 84 23 00-0393	CLF	4-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	55.26	16.84
32 84 23 00-0394	CLF	5-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	62.69	18.71
32 84 23 00-0395	CLF	6-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	74.11	20.58
32 84 23 00-0396	CLF	7-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	85.08	22.45
32 84 23 00-0397	CLF	8-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	92.41	24.33
32 84 23 00-0398	CLF	9-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	101.24	26.19
32 84 23 00-0399	CLF	10-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	111.24	28.06
32 84 23 00-0400	CLF	11-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	115.54	29.94
32 84 23 00-0401	CLF	12-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	120.41	31.81
32 84 23 00-0402	CLF	13-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	127.11	33.67
32 84 23 00-0403		**16 AWG, Irrigation Control Wire, Buried In Trench** *(32 84 23 00-0388)*		
32 84 23 00-0404	CLF	1-Conductor, 16 AWG, Irrigation Control Wire, Buried In Trench	34.18	11.22
32 84 23 00-0405		**14 AWG, Irrigation Control Wire, Buried In Trench** *(32 84 23 00-0388)*		
32 84 23 00-0406	CLF	1-Conductor, 14 AWG, Irrigation Control Wire, Buried In Trench	34.19	11.22
32 84 23 00-0407		**12 AWG, Irrigation Control Wire, Buried In Trench** *(32 84 23 00-0388)*		
32 84 23 00-0408	CLF	1-Conductor, 12 AWG, Irrigation Control Wire, Buried In Trench	44.18	11.22
32 84 23 00-0409		**10 AWG, Irrigation Control Wire, Buried In Trench** *(32 84 23 00-0388)*		
32 84 23 00-0410	CLF	1-Conductor, 10 AWG, Irrigation Control Wire, Buried In Trench	56.83	11.22
32 84 23 00-0411		**Root Watering Systems** *(32 84 23)* Note: Includes swing assembly.		
32 84 23 00-0412	EA	0.25 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rainbird RWS-B-1401)	62.75	14.97
		For Root Watering Sand Sock, Add	*1.14*	
32 84 23 00-0413	EA	0.25 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rainbird RWS-B-C-1401)	67.30	14.97
		For Root Watering Sand Sock, Add	*1.14*	
32 84 23 00-0414	EA	0.5 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rainbird RWS-B-1402)	62.75	14.97
		For Root Watering Sand Sock, Add	*1.14*	
32 84 23 00-0415	EA	0.5 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rainbird RWS-B-C-1402)	67.30	14.97
		For Root Watering Sand Sock, Add	*1.14*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0416	EA	1 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rainbird RWS-B-C-1404)	67.30	14.97
		For Root Watering Sand Sock, Add	*1.14*	
32 84 23 00-0417	EA	2 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rainbird RWS-B-C-1408)	67.30	14.97
		For Root Watering Sand Sock, Add	*1.14*	
32 84 23 00-0418	EA	0.25 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rainbird RWS-M-B-1401)	54.48	13.09
		For Root Watering Sand Sock, Add	*1.14*	
32 84 23 00-0419	EA	0.25 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rainbird RWS-M-B-C-1401)	58.86	13.09
		For Root Watering Sand Sock, Add	*1.14*	
32 84 23 00-0420	EA	0.5 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rainbird RWS-M-B-1402)	54.48	13.09
		For Root Watering Sand Sock, Add	*1.14*	
32 84 23 00-0421	EA	0.5 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rainbird RWS-M-B-C-1402)	58.86	13.09
		For Root Watering Sand Sock, Add	*1.14*	
32 84 23 00-0422	EA	0.25 GPM Bubbler On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rainbird RWS-S-B-1401)	37.50	11.22
		For Root Watering Sand Sock, Add	*1.14*	
32 84 23 00-0423	EA	0.25 GPM Bubbler And Check Valve On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rainbird RWS-S-B-C-1401)	41.67	11.22
		For Root Watering Sand Sock, Add	*1.14*	

32 90 Planting *(32)*

Note: Plant installation includes the initial watering only. The extended watering period for the establishment of lawns, plants and trees is addressed on a per plant per amount per occurrence basis as directed in the specification. cvs = cultivar. See CSI section 32 01 90 26-0000 for additional "extended watering period" tasks.

32 91 Planting Preparation *(32 90)*

32 91 13 Soil Preparation *(32 91)*

32 91 13 16 Mulching *(32 91 13)*

32 91 13 16-0001 Mulch *(32 91 13 16)*

Note: Includes loading, delivery up to 15 miles and spreading. 1 CY = 108 SF of mulch spread 3" thick. See CSI section 01 74 19 00-0038 for hauling greater than 15 miles.

32 91 13 16-0002	CY	Pea Gravel Mulch	76.07
		For >5 To 20, Deduct	*-6.47*
		For >20 To 50, Deduct	*-9.13*
		For >50, Deduct	*-14.45*
		For Work On Slopes >2.5:1, Add	*10.65*
32 91 13 16-0003	CY	Stone/Gravel Mulch, Marble Chips	172.23
		For >5 To 20, Deduct	*-11.27*
		For >20 To 50, Deduct	*-13.93*
		For >50, Deduct	*-19.26*
		For Work On Slopes >2.5:1, Add	*10.65*
32 91 13 16-0004	CY	Stone Mulch, Decomposed Granite Chips	99.24
		For Work On Slopes >2.5:1, Add	*10.65*
32 91 13 16-0005	CY	Pine Bark Nugget Mulch	78.23
		For >5 To 20, Deduct	*-6.57*
		For >20 To 50, Deduct	*-9.23*
		For >50, Deduct	*-14.56*
		For Work On Slopes >2.5:1, Add	*10.65*
32 91 13 16-0006	CY	Hardwood Bark Nugget Mulch	77.23
		For >5 To 20, Deduct	*-6.52*
		For >20 To 50, Deduct	*-9.18*
		For >50, Deduct	*-14.51*
		For Work On Slopes >2.5:1, Add	*10.65*
32 91 13 16-0007	CY	Pine Wood Chip Mulch	75.23
		For >5 To 20, Deduct	*-6.42*
		For >20 To 50, Deduct	*-9.08*
		For >50, Deduct	*-14.41*
		For Work On Slopes >2.5:1, Add	*10.65*
32 91 13 16-0008	CY	Hardwood Chip Mulch	81.23
		For >5 To 20, Deduct	*-6.72*
		For >20 To 50, Deduct	*-9.38*
		For >50, Deduct	*-14.71*
		For Work On Slopes >2.5:1, Add	*10.65*
32 91 13 16-0009	CY	Shredded Hardwood Mulch	79.23
		For >5 To 20, Deduct	*-6.62*
		For >20 To 50, Deduct	*-9.28*
		For >50, Deduct	*-14.61*
		For Work On Slopes >2.5:1, Add	*10.65*
32 91 13 16-0010	CY	Shredded Pine Mulch	70.23
		For >5 To 20, Deduct	*-6.17*
		For >20 To 50, Deduct	*-8.83*
		For >50, Deduct	*-14.16*
		For Work On Slopes >2.5:1, Add	*10.65*
32 91 13 16-0011	CY	Shredded Cedar Mulch	89.73
		For >5 To 20, Deduct	*-7.15*
		For >20 To 50, Deduct	*-9.81*
		For >50, Deduct	*-15.13*
		For Work On Slopes >2.5:1, Add	*10.65*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 16-0012	CY	Shredded Cypress Mulch	88.23	
		For >5 To 20, Deduct	*-7.07*	
		For >20 To 50, Deduct	*-9.73*	
		For >50, Deduct	*-15.06*	
		For Work On Slopes >2.5:1, Add	*10.65*	
32 91 13 16-0013	CY	Shredded Redwood Mulch	92.23	
		For >5 To 20, Deduct	*-7.27*	
		For >20 To 50, Deduct	*-9.93*	
		For >50, Deduct	*-15.26*	
		For Work On Slopes >2.5:1, Add	*10.65*	
32 91 13 16-0014	CY	Chunk Recycled Tire Mulch	137.96	
		For >5 To 20, Deduct	*-10.30*	
		For >20 To 50, Deduct	*-13.69*	
		For >50, Deduct	*-20.49*	
		For Work On Slopes >2.5:1, Add	*13.59*	
32 91 13 16-0015	CY	Chunk Colored Recycled Tire Mulch	206.96	
		For >5 To 20, Deduct	*-13.75*	
		For >20 To 50, Deduct	*-17.14*	
		For >50, Deduct	*-23.94*	
		For Work On Slopes >2.5:1, Add	*13.59*	
32 91 13 16-0016	CY	Shredded Recycled Tire Mulch	207.96	
		For >5 To 20, Deduct	*-13.80*	
		For >20 To 50, Deduct	*-17.19*	
		For >50, Deduct	*-23.99*	
		For Work On Slopes >2.5:1, Add	*13.59*	
32 91 13 16-0017	CY	Shredded Colored Recycled Tire Mulch	345.96	
		For >5 To 20, Deduct	*-20.70*	
		For >20 To 50, Deduct	*-24.09*	
		For >50, Deduct	*-30.89*	
		For Work On Slopes >2.5:1, Add	*13.59*	
32 91 13 16-0018	EA	Pine Straw Mulch Bale Note: Covers 50 SF at a thickness of 2" to 4" forming a uniform mat through which none of the original ground surface can be seen.	6.56	
		For >100 To 250, Deduct	*-0.48*	
		For >250 To 500, Deduct	*-0.64*	
		For >500, Deduct	*-0.81*	
		For Work On Slopes >2.5:1, Add	*0.61*	
32 91 13 16-0019	EA	Wheat Straw Mulch Bale Note: Covers 350 SF forming a uniform mat through which 20 to 40% of the original ground surface can be seen.	6.40	
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.55*	
		For >500, Deduct	*-0.75*	
		For Work On Slopes >2.5:1, Add	*0.46*	

32 91 13 26 Planting Beds *(32 91 13)*

Note: Not for use when installing trees and shrubs.

32 91 13 26-0001 Plant Bed Preparation *(32 91 13 26)*

Note: Not for use when installing trees and shrubs.

32 91 13 26-0002	SF	Prepare Plant Bed, Up To 8" Deep By Machine Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	0.82	
		For Work On Slopes >2.5:1, Add	*0.16*	
32 91 13 26-0003	SF	Prepare Plant Bed, 9" To 13" Deep By Machine Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	0.94	
		For Work On Slopes >2.5:1, Add	*0.19*	
32 91 13 26-0004	SF	Prepare Plant Bed, 14" To 18" Deep By Machine Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	1.11	
		For Work On Slopes >2.5:1, Add	*0.22*	
32 91 13 26-0005	SF	Prepare Plant Bed By Hand, Up To 8" Deep Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	3.95	
		For Work On Slopes >2.5:1, Add	*0.79*	
32 91 13 26-0006	SF	Prepare Plant Bed By Hand, 9" To 13" Deep Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	4.53	
		For Work On Slopes >2.5:1, Add	*0.91*	
32 91 13 26-0007	SF	Prepare Plant Bed By Hand, 14" To 18" Deep Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	5.34	
		For Work On Slopes >2.5:1, Add	*1.07*	

32 91 13 26-0008 Planting Pit Preparation *(32 91 13 26)*

Note: Not for use when installing trees and shrubs.

32 91 13 26-0009	CY	Excavate Planting Pit By Hand, Sandy Soil Note: For use with existing planting pits.	68.32	
		For Work On Slopes >2.5:1, Add	*13.66*	
32 91 13 26-0010	CY	Excavate Planting Pit By Hand, Heavy Soil Note: For use with existing planting pits.	136.63	
		For Work On Slopes >2.5:1, Add	*27.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 26-0011	CY	Excavate Planting Pit By Machine, Sandy Soil Note: For use with existing planting pits.	9.63	
		For Work On Slopes >2.5:1, Add	*1.93*	
32 91 13 26-0012	CY	Excavate Planting Pit By Machine, Heavy Soil Note: For use with existing planting pits.	12.53	
		For Work On Slopes >2.5:1, Add	*2.51*	
32 91 13 26-0013	CY	Backfill Planting Pit By Hand With Topsoil From Stockpile	60.70	
		For Work On Slopes >2.5:1, Add	*12.14*	
32 91 13 26-0014	CY	Backfill Planting Pit By Hand With Contractor Furnished Planting Mix	68.00	
		For Work On Slopes >2.5:1, Add	*9.12*	
32 91 13 26-0015	CY	Backfill Planting Pit By Machine, With Topsoil From Stockpile	5.56	
		For Work On Slopes >2.5:1, Add	*1.11*	
32 91 13 26-0016	CY	Backfill Planting Pit By Machine, With Contractor Furnished Planting Mix	27.06	
		For Work On Slopes >2.5:1, Add	*0.93*	

32 91 13 26-0017 Weed Barrier *(32 91 13 26)*

32 91 13 26-0018	SY	Up To 3 Oz/SY Non Woven, Polypropylene Weed Barrier	1.37	
		For Work On Slopes >2.5:1, Add	*0.11*	
32 91 13 26-0019	SY	4 Oz/SY Woven, Polypropylene Weed Barrier	1.80	
		For Work On Slopes >2.5:1, Add	*0.11*	
32 91 13 26-0020	SY	5 Oz/SY Woven, Needle Punched Polypropylene Weed Barrier	1.99	
		For Work On Slopes >2.5:1, Add	*0.11*	

32 91 13 33 Soil Conditioners *(32 91 13)*

32 91 13 33-0001 Spread Soil Conditioners *(32 91 13 33)*

32 91 13 33-0002	SY	Aluminum Sulfate 1 LB/SY, Push Spreader	0.41	
32 91 13 33-0003	MSF	Aluminum Sulfate 1 LB/SY, Tractor Spreader	39.58	
32 91 13 33-0004	SY	Fertilizer, 0.2 LB/SY, Push Spreader	0.05	
32 91 13 33-0005	MSF	Fertilizer, 0.2 LB/SY, Tractor Spread	7.25	
32 91 13 33-0006	MSF	Fertilizer, 18.36 LB/MSF, Truck Spread	3.73	
32 91 13 33-0007	SY	Pelletized Lime, 1 LB/SY, Push Spreader	0.09	
32 91 13 33-0008	MSF	Pelletized Lime, 1 LB/SY, Tractor Spreader	7.15	
32 91 13 33-0009	SY	Lusoil, 3 LB/SY, Push Spreader	0.67	
32 91 13 33-0010	MSF	Lusoil, 3 LB/SY, Tractor Spreader	69.37	
32 91 13 33-0011	SY	Manure, 18 LB/SY, Push Spreader	2.34	
32 91 13 33-0012	MSF	Manure, 18 LB/SY, Tractor Spreader	255.14	
32 91 13 33-0013	SY	Perlite, 1" Deep, Push Spreader	3.63	
32 91 13 33-0014	MSF	Perlite, 1" Deep, Tractor Spreader	377.82	
32 91 13 33-0015	SY	Vermiculite, Push Spreader	3.37	
32 91 13 33-0016	MSF	Vermiculite, Tractor Spreader	369.06	

32 91 13 36 Lawn Bed Preparation *(32 91 13)*

32 91 13 36-0001 Lawn Bed Preparation *(32 91 13 36)*

32 91 13 36-0002	MSF	Rake Topsoil With Machine	61.50	
32 91 13 36-0003	MSF	Rake Topsoil By Hand	54.65	
32 91 13 36-0004	MSF	Screen Loam With Machine	78.18	
32 91 13 36-0005	MSF	Screen Loam By Hand	36.43	
32 91 13 36-0006	SY	Roll Topsoil With Machine	0.77	
32 91 13 36-0007	SY	Roll Topsoil By Hand	2.44	
32 91 13 36-0008	MSF	Remove Rocks And Debris With Machine	7.27	
32 91 13 36-0009	MSF	Remove Rocks And Debris By Hand	23.45	
32 91 13 36-0010	MSF	Root Raking And Loading, No Boulders	38.07	
		For >45 to 225, Deduct	*-26.65*	
		For >225, Deduct	*-34.26*	
32 91 13 36-0011	MSF	Root Raking And Loading, With Boulders	63.44	
		For >45 to 225, Deduct	*-44.41*	
		For >225, Deduct	*-57.10*	
32 91 13 36-0012	SY	Up To 6" Deep Tilling Topsoil With Tractor	0.09	
32 91 13 36-0013	SY	Up To 2" Deep Tilling Topsoil With Rototiller	0.58	
32 91 13 36-0014	SY	Up To 4" Deep Tilling Topsoil With Rototiller	0.70	
32 91 13 36-0015	SY	Up To 6" Deep Tilling Topsoil With Rototiller	0.87	
32 91 13 36-0016	LF	"V" Cut Soil For Edge Of Planting Beds	0.97	

32 91 13 36-0017 Sod Removal *(32 91 13 36)*

32 91 13 36-0018	SY	Remove Sod By Hand	4.60	
		For Work On Slopes >2.5:1, Add	*0.92*	
32 91 13 36-0019	SY	Remove Sod With Machine	0.45	
		For Work On Slopes >2.5:1, Add	*0.09*	
32 91 13 36-0020	SY	Pile Sod By Hand	2.73	
		For Work On Slopes >2.5:1, Add	*0.55*	
32 91 13 36-0021	SY	Pile Sod With Machine	0.84	
		For Work On Slopes >2.5:1, Add	*0.17*	

32 91 19 Landscape Grading *(32 91)*

32 91 19 13 Topsoil Placement And Grading *(32 91 19)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 19 13-0001		**Remove And Stockpile Topsoil On Site** *(32 91 19 13)*		
32 91 19 13-0002	CY	Remove Topsoil, 4" Deep Stockpile On Site	3.44	
32 91 19 13-0003	CY	Remove Topsoil, 6" Deep Stockpile On Site	3.41	
32 91 19 13-0004		**Screening Topsoil** *(32 91 19 13)*		
32 91 19 13-0005	CY	Screen Topsoil With Vibrating Screen, Wet Material (Organic)	7.74	
32 91 19 13-0006	CY	Screen Topsoil With Vibrating Screen, Dry Material	5.16	
32 91 19 13-0007	CY	Screen Topsoil With Vibrating Screen And Mix With Conditioners	2.06	
32 91 19 13-0008		**Spreading Topsoil From Stockpile** *(32 91 19 13)*		
32 91 19 13-0009	CY	Spread Topsoil By Machine From Stockpile	5.73	
32 91 19 13-0010	CY	Spread Topsoil By Hand From Stockpile	52.14	
32 91 19 13-0011		**Furnish And Place Imported Screened Topsoil** *(32 91 19 13)*		
		Note: Includes delivery up to 15 miles from the closest approved source and spread by machine. Excludes hand spreading. See CSI section 01 74 19 00-0038 for hauling greater than 15 miles, 31 23 16 36-0030 for hand spreading.		
32 91 19 13-0012	SY	Furnish And Place Imported Screened Topsoil, 2" Deep	2.28	
		For Unscreened, Deduct	*-0.24*	
32 91 19 13-0013	SY	Furnish And Place Imported Screened Topsoil, 4" Deep	4.34	
		For Unscreened, Deduct	*-0.47*	
32 91 19 13-0014	SY	Furnish And Place Imported Screened Topsoil, 6" Deep	6.23	
		For Unscreened, Deduct	*-0.71*	
32 91 19 13-0015	SY	Furnish And Place Imported Screened Topsoil, 9" Deep	8.92	
		For Unscreened, Deduct	*-1.06*	
32 91 19 13-0016	SY	Furnish And Place Imported Screened Topsoil, 12" Deep	11.62	
		For Unscreened, Deduct	*-1.41*	
32 91 19 13-0017	CY	Furnish And Place Imported Screened Topsoil, Over 12" Deep	31.18	
		For Unscreened, Deduct	*-4.23*	
32 91 19 16		**Scarify Subsoil** *(32 91 19)*		
32 91 19 16-0001		**Scarify Subsoil For Planting Preparation** *(32 91 19 16)*		
32 91 19 16-0002	MSF	Up To 5,000 SF Scarify Up To 8" Subsoil With Machine	45.05	
32 91 19 16-0003	MSF	>5,000 To 20,000 SF Scarify Up To 8" Subsoil With Machine	31.54	
32 91 19 16-0004	MSF	>20,000 SF Scarify Up To 8" Subsoil With Machine With Scarifier	18.51	
32 92		**Turf And Grasses** *(32 90)*		
32 92 16		**Plugging** *(32 92)*		
32 92 16 00-0001		**Bermuda Or Centipede Plugging, 1" Deep** *(32 92 16)*		
		Note: Includes fine grade and soil preparation.		
32 92 16 00-0002		**6" On Center Plugging** *(32 92 16 00-0001)*		
32 92 16 00-0003	MSF	Plugging By Hand, 6" On Center	184.25	
32 92 16 00-0004	MSF	Plugging By Walk Behind Planter, 6" On Center	32.10	
32 92 16 00-0005	MSF	Plugging By Towed Planter, 6" On Center	25.91	
32 92 16 00-0006		**9" On Center Plugging** *(32 92 16 00-0001)*		
32 92 16 00-0007	MSF	Plugging By Hand, 9" On Center	141.13	
32 92 16 00-0008	MSF	Plugging By Walk Behind Planter, 9" On Center	24.79	
32 92 16 00-0009	MSF	Plugging By Towed Planter, 9" On Center	19.33	
32 92 16 00-0010		**12" On Center Plugging** *(32 92 16 00-0001)*		
32 92 16 00-0011	MSF	Plugging By Hand, 12" On Center	117.50	
32 92 16 00-0012	MSF	Plugging By Walk Behind Planter, 12" On Center	16.44	
32 92 16 00-0013	MSF	Plugging By Towed Planter, 12" On Center	12.24	
32 92 19		**Seeding** *(32 92)*		
32 92 19 13		**Mechanical Seeding** *(32 92 19)*		
		Note: Includes fertilizing, liming, mixing, seeding and initial watering.		
32 92 19 13-0001		**Tractor Spreader Mechanical Seeding** *(32 92 19 13)*		
		Note: Excludes straw.		
32 92 19 13-0002	MSF	Common Bluegrass, Tractor Spreader	28.41	
		Note: 4 LB/MSF spread rate.		
32 92 19 13-0003	MSF	Tall Fescue, Tractor Spreader	22.90	
		Note: 5.5 LB/MSF spread rate.		
32 92 19 13-0004	MSF	Rye, Tractor Spreader	23.29	
		Note: 10 LB/MSF spread rate.		
32 92 19 13-0005	MSF	Shade Mix, Tractor Spreader	25.28	
		Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 13-0006	MSF	Turf Mix, Tractor Spreader Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	26.70	
32 92 19 13-0007	MSF	Slope Mix, Tractor Spreader Note: 6 LB/MSF spread rate.	24.80	
32 92 19 13-0008	MSF	Utility Mix, Tractor Spreader Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	22.43	
32 92 19 13-0009	MSF	Wild Flower Mix, Tractor Spreader Note: 0.10 LB/MSF spread rate.	17.96	
32 92 19 13-0010	MSF	Crown Vetch Mix, Tractor Spreader Note: 4 LB/MSF spread rate.	53.30	
32 92 19 13-0011	MSF	Athletic Mix, Tractor Spreader Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.	32.40	
32 92 19 13-0012	MSF	White Clover Mix, Tractor Spreader Note: 7 LB/MSF spread rate.	17.91	
32 92 19 13-0013	MSF	Ladino Clover Mix, Tractor Spreader Note: 7 LB/MSF spread rate.	19.81	

32 92 19 13-0014 Hydro Or Air Mechanical Seeding *(32 92 19 13)*

32 92 19 13-0015	MSF	Common Bluegrass, Hydro Or Air Seeding Note: 4 LB/MSF spread rate.	60.29	
		For Spot Areas Up To 1 MSF, Add	*66.40*	
		For >1 To 4 MSF, Add	*42.81*	
		For >4 To 7.5 MSF, Add	*29.09*	
		For >7.5 To 10 MSF, Add	*14.55*	
		For >45, Deduct	*-4.94*	
32 92 19 13-0016	MSF	Tall Fescue, Hydro Or Air Seeding Note: 5.5 LB/MSF spread rate.	63.62	
		For Spot Areas Up To 1 MSF, Add	*67.73*	
		For >1 To 4 MSF, Add	*43.48*	
		For >4 To 7.5 MSF, Add	*29.43*	
		For >7.5 To 10 MSF, Add	*14.71*	
		For >45, Deduct	*-5.10*	
32 92 19 13-0017	MSF	Rye, Hydro Or Air Spread Note: 10 LB/MSF spread rate.	60.43	
		For Spot Areas Up To 1 MSF, Add	*66.46*	
		For >1 To 4 MSF, Add	*42.84*	
		For >4 To 7.5 MSF, Add	*29.11*	
		For >7.5 To 10 MSF, Add	*14.55*	
		For >45, Deduct	*-4.94*	
32 92 19 13-0018	MSF	Shade Mix, Hydro Or Air Seeding Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	60.29	
		For Spot Areas Up To 1 MSF, Add	*66.40*	
		For >1 To 4 MSF, Add	*42.81*	
		For >4 To 7.5 MSF, Add	*29.09*	
		For >7.5 To 10 MSF, Add	*14.55*	
		For >45, Deduct	*-4.94*	
32 92 19 13-0019	MSF	Turf Mix, Hydro Or Air Seeding Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	63.62	
		For Spot Areas Up To 1 MSF, Add	*67.73*	
		For >1 To 4 MSF, Add	*43.48*	
		For >4 To 7.5 MSF, Add	*29.43*	
		For >7.5 To 10 MSF, Add	*14.71*	
		For >45, Deduct	*-5.10*	
32 92 19 13-0020	MSF	Slope Mix, Hydro Or Air Seeding Note: 6 LB/MSF spread rate.	62.19	
		For Spot Areas Up To 1 MSF, Add	*67.16*	
		For >1 To 4 MSF, Add	*43.19*	
		For >4 To 7.5 MSF, Add	*29.28*	
		For >7.5 To 10 MSF, Add	*14.64*	
		For >45, Deduct	*-5.03*	
32 92 19 13-0021	MSF	Utility Mix, Hydro Or Air Seeding Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	61.04	
		For Spot Areas Up To 1 MSF, Add	*66.70*	
		For >1 To 4 MSF, Add	*42.96*	
		For >4 To 7.5 MSF, Add	*29.17*	
		For >7.5 To 10 MSF, Add	*14.58*	
		For >45, Deduct	*-4.97*	
32 92 19 13-0022	MSF	Wild Flower Mix, Hydro Or Air Seeding Note: 0.10 LB/MSF spread rate.	57.34	
		For Spot Areas Up To 1 MSF, Add	*65.22*	
		For >1 To 4 MSF, Add	*42.22*	
		For >4 To 7.5 MSF, Add	*28.80*	
		For >7.5 To 10 MSF, Add	*14.40*	
		For >45, Deduct	*-4.79*	
32 92 19 13-0023	MSF	Crown Vetch Mix, Hydro Or Air Seeding Note: 4 LB/MSF spread rate.	90.69	
		For Spot Areas Up To 1 MSF, Add	*78.56*	
		For >1 To 4 MSF, Add	*48.89*	
		For >4 To 7.5 MSF, Add	*32.13*	
		For >7.5 To 10 MSF, Add	*16.07*	
		For >45, Deduct	*-6.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 13-0024	MSF	Athletic Mix, Hydro Or Air Seeding	80.25	
		Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.		
		For Spot Areas Up To 1 MSF, Add	*74.38*	
		For >1 To 4 MSF, Add	*46.80*	
		For >4 To 7.5 MSF, Add	*31.09*	
		For >7.5 To 10 MSF, Add	*15.54*	
		For >45, Deduct	*-5.93*	
32 92 19 13-0025	MSF	White Clover Mix, Hydro Or Air Seeding	52.83	
		Note: 7 LB/MSF spread rate.		
		For Spot Areas Up To 1 MSF, Add	*63.42*	
		For >1 To 4 MSF, Add	*41.32*	
		For >4 To 7.5 MSF, Add	*28.35*	
		For >7.5 To 10 MSF, Add	*14.17*	
		For >45, Deduct	*-4.56*	
32 92 19 13-0026	MSF	Ladino Clover Mix, Hydro Or Air Seeding	58.39	
		Note: 7 LB/MSF spread rate.		
		For Spot Areas Up To 1 MSF, Add	*65.64*	
		For >1 To 4 MSF, Add	*42.43*	
		For >4 To 7.5 MSF, Add	*28.90*	
		For >7.5 To 10 MSF, Add	*14.45*	
		For >45, Deduct	*-4.84*	
32 92 19 13-0027	MSF	60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Hydro Or Air Spread	61.24	
		Note: 4 LB/MSF spread rate.		
		For Spot Areas Up To 1 MSF, Add	*66.78*	
		For >1 To 4 MSF, Add	*43.00*	
		For >4 To 7.5 MSF, Add	*29.19*	
		For >7.5 To 10 MSF, Add	*14.59*	
		For >45, Deduct	*-4.98*	
32 92 19 13-0028	MSF	2,500 LB/Acre, High Performance - Flexible Growth Medium	69.02	
		Note: Applied with seed.		
		For >45, Deduct	*-4.41*	
32 92 19 13-0029	MSF	3,000 LB/Acre, High Performance - Flexible Growth Medium	79.94	
		Note: Applied with seed.		
		For >45, Deduct	*-5.01*	
32 92 19 13-0030	MSF	3,500 LB/Acre, High Performance - Flexible Growth Medium	90.91	
		Note: Applied with seed.		
		For >45, Deduct	*-5.61*	
32 92 19 13-0031	MSF	4,000 LB/Acre, High Performance - Flexible Growth Medium	101.91	
		Note: Applied with seed.		
		For >45, Deduct	*-6.21*	
32 92 19 13-0032	MSF	4,500 LB/Acre, High Performance - Flexible Growth Medium	112.99	
		Note: Applied with seed.		
		For >45, Deduct	*-6.82*	

32 92 19 19 Seeding By Hand *(32 92 19)*

Note: Includes fertilizing, liming, mixing, seeding and initial watering. Excludes straw.

32 92 19 19-0001 Push Spreader Or Hand Seeding *(32 92 19 19)*

Note: Excludes straw.

32 92 19 19-0002	MSF	Common Bluegrass, Push Spreader Or Hand	81.42	
		Note: 4 LB/MSF spread rate.		
		For > 5 To 20, Deduct	*-5.78*	
		For >20 To 45, Deduct	*-11.23*	
		For >45, Deduct	*-18.39*	
32 92 19 19-0003	MSF	Tall Fescue, Push Spreader Or Hand	75.91	
		Note: 5.5 LB/MSF spread rate.		
		For > 5 To 20, Deduct	*-5.50*	
		For >20 To 45, Deduct	*-10.82*	
		For >45, Deduct	*-17.84*	
32 92 19 19-0004	MSF	Rye, Push Spreader Or Hand	76.30	
		Note: 10 LB/MSF spread rate.		
		For > 5 To 20, Deduct	*-5.52*	
		For >20 To 45, Deduct	*-10.85*	
		For >45, Deduct	*-17.88*	
32 92 19 19-0005	MSF	Shade Mix, Push Spreader Or Hand	78.29	
		Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.		
		For > 5 To 20, Deduct	*-5.62*	
		For >20 To 45, Deduct	*-11.00*	
		For >45, Deduct	*-18.08*	
32 92 19 19-0006	MSF	Turf Mix, Push Spreader Or Hand	79.71	
		Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.		
		For > 5 To 20, Deduct	*-5.69*	
		For >20 To 45, Deduct	*-11.10*	
		For >45, Deduct	*-18.22*	
32 92 19 19-0007	MSF	Slope Mix, Push Spreader Or Hand	77.81	
		Note: 6 LB/MSF spread rate.		
		For > 5 To 20, Deduct	*-5.60*	
		For >20 To 45, Deduct	*-10.96*	
		For >45, Deduct	*-18.03*	
32 92 19 19-0008	MSF	Utility Mix, Push Spreader Or Hand	75.44	
		Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.		
		For > 5 To 20, Deduct	*-5.48*	
		For >20 To 45, Deduct	*-10.78*	
		For >45, Deduct	*-17.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 19-0009	MSF	Wild Flower Mix, Push Spreader Or Hand Note: 0.10 LB/MSF spread rate.	70.97	
		For > 5 To 20, Deduct	*-5.26*	
		For >20 To 45, Deduct	*-10.45*	
		For >45, Deduct	*-17.34*	
32 92 19 19-0010	MSF	Crown Vetch Mix, Push Spreader Or Hand Note: 4 LB/MSF spread rate.	106.31	
		For > 5 To 20, Deduct	*-7.02*	
		For >20 To 45, Deduct	*-13.10*	
		For >45, Deduct	*-20.88*	
32 92 19 19-0011	MSF	Athletic Mix, Push Spreader Or Hand Note: 8 LB/MSF spread rate. Mixture of drought resistant bluegrass, tall fescue and Kentucky bluegrass.	85.41	
		For > 5 To 20, Deduct	*-5.98*	
		For >20 To 45, Deduct	*-11.53*	
		For >45, Deduct	*-18.79*	
32 92 19 19-0012	MSF	White Clover Mix, Push Spreader Or Hand Note: 7 LB/MSF spread rate.	70.92	
		For > 5 To 20, Deduct	*-5.25*	
		For >20 To 45, Deduct	*-10.44*	
		For >45, Deduct	*-17.34*	
32 92 19 19-0013	MSF	Ladino Clover Mix, Push Spreader Or Hand Note: 7 LB/MSF spread rate.	72.82	
		For > 5 To 20, Deduct	*-5.35*	
		For >20 To 45, Deduct	*-10.58*	
		For >45, Deduct	*-17.53*	
32 92 19 19-0014	MSF	100% Kentucky Bluegrass, Push Spreader Or Hand Note: 3.3 LB/MSF spread rate.	82.32	
		For > 5 To 20, Deduct	*-5.82*	
		For >20 To 45, Deduct	*-11.30*	
		For >45, Deduct	*-18.48*	
32 92 19 19-0015	MSF	70% Kentucky Bluegrass And 30% Fescue, Push Spreader Or Hand Note: 3.3 LB/MSF spread rate.	79.71	
		For > 5 To 20, Deduct	*-5.69*	
		For >20 To 45, Deduct	*-11.10*	
		For >45, Deduct	*-18.22*	
32 92 19 19-0016	MSF	50% Kentucky Bluegrass And 50% Fescue, Push Spreader Or Hand Note: 3.3 LB/MSF spread rate.	77.81	
		For > 5 To 20, Deduct	*-5.60*	
		For >20 To 45, Deduct	*-10.96*	
		For >45, Deduct	*-18.03*	
32 92 19 19-0017	MSF	50% Kentucky Bluegrass And 50% Perennial Rye, Push Spreader Or Hand Note: 4.4 LB/MSF spread rate.	81.61	
		For > 5 To 20, Deduct	*-5.79*	
		For >20 To 45, Deduct	*-11.24*	
		For >45, Deduct	*-18.41*	
32 92 19 19-0018	MSF	60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Push Spreader Or Hand Note: 3.3 LB/MSF spread rate.	78.76	
		For > 5 To 20, Deduct	*-5.65*	
		For >20 To 45, Deduct	*-11.03*	
		For >45, Deduct	*-18.12*	
32 92 19 19-0019	MSF	40% Creeping Red Fescue, 30% Kentucky Bluegrass, 10% Red Top, And 20% Blue Tag Perennial Rye, Push Spreader Or Hand Note: 3.3 LB/MSF spread rate.	79.71	
		For > 5 To 20, Deduct	*-5.69*	
		For >20 To 45, Deduct	*-11.10*	
		For >45, Deduct	*-18.22*	

32 92 23 Sodding *(32 92)*

Note: Includes raking preparation, rolling of sod and sanding seams for (up to 16" wide by 24" long) squares or (up to 24" wide by 54" long) rolls.

32 92 23 00-0001 Tall Fescue Sod *(32 92 23)*

32 92 23 00-0002	MSF	Up To 1,000 SF, Tall Fescue Sod, Installed On Level Ground	959.96	
		For Hybrid Fescue "Marathon", Add	*42.61*	
32 92 23 00-0003	MSF	>1,000 To 4,000 SF, Tall Fescue Sod, Installed On Level Ground	926.59	
		For Hybrid Fescue "Marathon", Add	*42.61*	
32 92 23 00-0004	MSF	>4,000 To 8,000 SF, Tall Fescue Sod, Installed On Level Ground	855.09	
		For Hybrid Fescue "Marathon", Add	*42.61*	
32 92 23 00-0005	MSF	>8,000 SF, Tall Fescue Sod, Installed On Level Ground	826.49	
		For Hybrid Fescue "Marathon", Add	*42.61*	
32 92 23 00-0006	MSF	Up To 1,000 SF, Tall Fescue Sod, Installed On Sloped Ground	1,226.91	
		For Hybrid Fescue "Marathon", Add	*42.61*	
32 92 23 00-0007	MSF	>1,000 To 4,000 SF, Tall Fescue Sod, Installed On Sloped Ground	1,154.11	
		For Hybrid Fescue "Marathon", Add	*42.61*	
32 92 23 00-0008	MSF	>4,000 To 8,000 SF, Tall Fescue Sod, Installed On Sloped Ground	1,012.05	
		For Hybrid Fescue "Marathon", Add	*42.61*	
32 92 23 00-0009	MSF	>8,000 SF, Tall Fescue Sod, Installed On Sloped Ground	959.96	
		For Hybrid Fescue "Marathon", Add	*42.61*	

32 92 23 00-0010 Kentucky Blue Grass Sod *(32 92 23)*

32 92 23 00-0011	MSF	Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	864.52	
32 92 23 00-0012	MSF	>1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	831.15	
32 92 23 00-0013	MSF	>4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	759.65	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 23 00-0014	MSF	>8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	731.05	
32 92 23 00-0015	MSF	Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Sloped Ground	1,131.47	
32 92 23 00-0016	MSF	>1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Sloped Ground	1,058.67	
32 92 23 00-0017	MSF	>4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped Ground	916.61	
32 92 23 00-0018	MSF	>8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped Ground	864.52	

32 93 Plants *(32 90)*

32 93 13 Ground Covers *(32 93)*

Note: Materials only.

32 93 13 00-0001 Ornamental Grasses *(32 93 13)*

32 93 13 00-0002	EA	1 Gallon Cortaderia selloana - Pampas Grass	7.04
32 93 13 00-0003	EA	2 Gallon Cortaderia selloana - Pampas Grass	8.58
32 93 13 00-0004	EA	3 Gallon Cortaderia selloana - Pampas Grass	10.12
32 93 13 00-0005	EA	10 Gallon Cortaderia selloana - Pampas Grass	38.87
32 93 13 00-0006	EA	1 Quart Imperata cylindrica - Japanese Blood Grass	4.33
32 93 13 00-0007	EA	1 Gallon Imperata cylindrica - Japanese Blood Grass	6.23
32 93 13 00-0008	EA	2 Gallon Imperata cylindrica - Japanese Blood Grass	8.58
32 93 13 00-0009	EA	1 Quart Koeleria glauca - Blue Hair Grass	3.08
32 93 13 00-0010	EA	1 Gallon Koeleria glauca - Blue Hair Grass	5.50
32 93 13 00-0011	EA	3 Gallon Koeleria glauca - Blue Hair Grass	10.12
32 93 13 00-0012	EA	1 Gallon Miscanthus sinensis 'Gracillimus' - Maiden Grass	8.58
32 93 13 00-0013	EA	3 Gallon Miscanthus sinensis 'Gracillimus' - Maiden Grass	14.81
32 93 13 00-0014	EA	5 Gallon Miscanthus sinensis 'Gracillimus' - Maiden Grass	19.51
32 93 13 00-0015	EA	1 Gallon Miscanthus sinensis 'Zebrinus' - Zebra Grass	8.58
32 93 13 00-0016	EA	3 Gallon Miscanthus sinensis 'Zebrinus' - Zebra Grass	14.81
32 93 13 00-0017	EA	5 Gallon Miscanthus sinensis 'Zebrinus' - Zebra Grass	19.51
32 93 13 00-0018	EA	1 Quart Pennisetum setaceum - Fountain Grass	3.45
32 93 13 00-0019	EA	1 Gallon Pennisetum setaceum - Fountain Grass	5.50
32 93 13 00-0020	EA	3 Gallon Pennisetum setaceum - Fountain Grass	10.12
32 93 13 00-0021	EA	1 Gallon Saccharum ravennae - Ravenna Grass	7.04
32 93 13 00-0022	EA	3 Gallon Saccharum ravennae - Ravenna Grass	10.12
32 93 13 00-0023	EA	7 Gallon Saccharum ravennae - Ravenna Grass	19.51
32 93 13 00-0024	EA	1 Gallon Spartina pectinata - Variegated Cord Grass	6.23
32 93 13 00-0025	EA	2 Gallon Spartina pectinata - Variegated Cord Grass	10.12
32 93 13 00-0026	EA	1 Quart Stipa gigantea - Giant Feather Grass	7.77
32 93 13 00-0027	EA	1 Gallon Stipa gigantea - Giant Feather Grass	11.73

32 93 13 00-0028 Ground Covers *(32 93 13)*

32 93 13 00-0029	EA	1 Gallon Agave Attenuata - Century Plant	6.15
32 93 13 00-0030	EA	5 Gallon Agave Attenuata - Century Plant	16.59
32 93 13 00-0031	EA	15 Gallon Agave Attenuata - Century Plant	54.85
32 93 13 00-0032	EA	1 Gallon Arctostaphylos 'Howard McMinn' - Manzanita	5.51
32 93 13 00-0033	EA	5 Gallon Arctostaphylos 'Howard McMinn' - Manzanita	14.98
32 93 13 00-0034	EA	1 Gallon Arctostaphylos 'Emerald Carpet' - Manzanita	5.51
32 93 13 00-0035	EA	5 Gallon Arctostaphylos 'Emerald Carpet' - Manzanita	14.98
32 93 13 00-0036	EA	1 Gallon Ceanothus 'Carmel Creeper' - Wild Lilac	5.35
32 93 13 00-0037	EA	5 Gallon Ceanothus 'Carmel Creeper' - Wild Lilac	12.84
32 93 13 00-0038	EA	1 Gallon Ceanothus 'Yanlee Point' - Wild Lilac	5.35
32 93 13 00-0039	EA	5 Gallon Ceanothus 'Yanlee Point' - Wild Lilac	12.84
32 93 13 00-0040	EA	1 Gallon Dietes Vegata - Fortnight Lily	4.60
32 93 13 00-0041	EA	5 Gallon Dietes Vegata - Fortnight Lily	11.35
32 93 13 00-0042	EA	1 Gallon Juncus Patens ' Elk Blue' - California Gray Rush	8.55
32 93 13 00-0043	EA	5 Gallon Juncus Patens ' Elk Blue' - California Gray Rush	22.47
32 93 13 00-0044	EA	4" Pot Miscanthus 'Morning Light' - NCN	6.41
32 93 13 00-0045	EA	20 Count Flat Miscanthus 'Morning Light' - NCN	94.57
32 93 13 00-0046	EA	1 Gallon Muhlenbergia Rigens - Deer Grass	8.55
32 93 13 00-0047	EA	5 Gallon Muhlenbergia Rigens - Deer Grass	22.47
32 93 13 00-0048	EA	15 Gallon Muhlenbergia Rigens - Deer Grass	85.61
32 93 13 00-0049	EA	1 Gallon Nassella Tenuissima - Mexican Feather Grass	8.55
32 93 13 00-0050	EA	1 Gallon Trachelospermum Jasminoides - Star Jasmine	4.28
32 93 13 00-0051	EA	5 Gallon Trachelospermum Jasminoides - Star Jasmine	10.70
32 93 13 00-0052	EA	1 Gallon Westringia Fruticosa - Coast Rosemary	4.60
32 93 13 00-0053	EA	5 Gallon Westringia Fruticosa - Coast Rosemary	11.35
32 93 13 00-0054	EA	15 Gallon Westringia Fruticosa - Coast Rosemary	46.56
32 93 13 00-0055	EA	1 Quart Carex 'Bowles Golden' - Variegated Japanese Sedge	7.77
32 93 13 00-0056	EA	1 Gallon Carex 'Bowles Golden' - Variegated Japanese Sedge	10.12
32 93 13 00-0057	EA	2 Gallon Juniperus horizontalis 'Plumosa Compacta' - Andorra Creeping Juniper	12.81
32 93 13 00-0058	EA	1 Quart Waldsteinia ternata - Barren Strawberry	2.20
32 93 13 00-0059	EA	1 Gallon Waldsteinia ternata - Barren Strawberry	5.28
32 93 13 00-0060	EA	1 Gallon Cotoneaster dammeri - Bearberry Cotoneaster	7.19
32 93 13 00-0061	EA	2 Gallon Cotoneaster dammeri - Bearberry Cotoneaster	13.64
32 93 13 00-0062	EA	5 Gallon Cotoneaster dammeri - Bearberry Cotoneaster	24.05
32 93 13 00-0063	EA	1 Gallon Liriope muscari 'Big Blue' - Big Blue Liriope	2.46
32 93 13 00-0064	EA	1 Gallon Distictis buccinatoria - Blood Red Trumpet Vine	4.55
32 93 13 00-0065	EA	5 Gallon Distictis buccinatoria - Blood Red Trumpet Vine	15.99
32 93 13 00-0066	EA	1 Gallon Juniperus horizontalis "Wiltoni' - Blue Rug Juniper	5.97
32 93 13 00-0067	EA	4" Pot Parthenocissus tricuspidata - Boston Ivy	3.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 13 00-0068	EA	1 Gallon Parthenocissus tricuspidata - Boston Ivy	8.36	
32 93 13 00-0069	EA	5 Gallon Parthenocissus tricuspidata - Boston Ivy	22.88	
32 93 13 00-0070	EA	3 Gallon Bougainvillea spectabilis - Bougainvillea	7.69	
32 93 13 00-0071	EA	1 Quart Iberis sempervirens - Candytuft	2.20	
32 93 13 00-0072	EA	1 Gallon Iberis sempervirens - Candytuft	5.28	
32 93 13 00-0073	EA	1 Gallon Gelsemium sempervirens - Carolina Jessamine	5.28	
32 93 13 00-0074	EA	5 Gallon Gelsemium sempervirens - Carolina Jessamine	19.07	
32 93 13 00-0075	EA	3" Pot Ajuga reptans - Carpet Bugle	1.32	
32 93 13 00-0076	EA	1 Quart Ajuga reptans - Carpet Bugle	2.20	
32 93 13 00-0077	EA	1 Gallon Ajuga reptans - Carpet Bugle	5.28	
32 93 13 00-0078	EA	24 Plant Flat Ajuga reptans - Carpet Bugle	22.73	
32 93 13 00-0079	EA	1 Gallon Macfadyena unguis-cati - Cat Claw Vine	5.28	
32 93 13 00-0080	EA	5 Gallon Macfadyena unguis-cati - Cat Claw Vine	22.88	
32 93 13 00-0081	EA	1 Gallon Wisteria sinensis - Chinese Wisteria Vine	6.89	
32 93 13 00-0082	EA	3 Gallon Wisteria sinensis - Chinese Wisteria Vine	15.25	
32 93 13 00-0083	EA	5 Gallon Wisteria sinensis - Chinese Wisteria Vine	22.88	
32 93 13 00-0084	EA	1 Gallon Ranunculaceae - Clematis Varieties	7.58	
32 93 13 00-0085	EA	2 Gallon Ranunculaceae - Clematis Varieties	14.02	
32 93 13 00-0086	EA	1 Gallon Hydrangea petiolaris - Climbing Hydrangea	9.53	
32 93 13 00-0087	EA	2 Gallon Hydrangea petiolaris - Climbing Hydrangea	17.89	
32 93 13 00-0088	EA	5 Gallon Hydrangea petiolaris - Climbing Hydrangea	29.33	
32 93 13 00-0089	EA	4" Pot Lantana camera - Common Lantana	1.32	
32 93 13 00-0090	EA	1 Gallon Lantana camera - Common Lantana	3.81	
32 93 13 00-0091	EA	1 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia	4.55	
32 93 13 00-0092	EA	5 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia	14.96	
32 93 13 00-0093	EA	2 Quart Lysimachia nummularia - Creeping Jenny	2.20	
32 93 13 00-0094	EA	1 Gallon Lysimachia nummularia - Creeping Jenny	4.25	
32 93 13 00-0095	EA	2 Quart Liriope spicata - Creeping Lilytuft	3.81	
32 93 13 00-0096	EA	1 Gallon Liriope spicata - Creeping Lilytuft	6.89	
32 93 13 00-0097	EA	5 Gallon Liriope spicata - Creeping Lilytuft	14.52	
32 93 13 00-0098	EA	Bare Root Liriope spicata - Creeping Liriope	0.96	
32 93 13 00-0099	EA	3" Pot Rosmarinus officinalis 'Prostratus' - Creeping Rosemary	1.32	
32 93 13 00-0100	EA	1 Gallon Rosmarinus officinalis 'Prostratus' - Creeping Rosemary	5.28	
32 93 13 00-0101	EA	2-1/4" Pot Securigera varia - Crown Vetch	0.88	
32 93 13 00-0102	EA	50 Plant Flat Securigera varia - Crown Vetch	29.77	
32 93 13 00-0103	EA	1 Quart Senecio cineraria - Dusty Miller	2.20	
32 93 13 00-0104	EA	1 Gallon Senecio cineraria - Dusty Miller	5.28	
32 93 13 00-0105	EA	2 Gallon Aristolochia macrophylla - Dutchman's Pipe	18.33	
32 93 13 00-0106	EA	5 Gallon Aristolochia macrophylla - Dutchman's Pipe	33.59	
32 93 13 00-0107	EA	1 Gallon Ilex cornuta - Dwarf Holly	3.98	
32 93 13 00-0108	EA	3 Gallon Ilex cornuta - Dwarf Holly	8.54	
32 93 13 00-0109	EA	3 Gallon Raphiolepis umbellata 'Minor' - Dwarf Indian Hawthorn	8.54	
32 93 13 00-0110	EA	1 Gallon Tradescantia spathacea - Dwarf Oyster Plant	2.85	
32 93 13 00-0111	EA	2" To 3" Pot Hedera helix - English Ivy	1.32	
32 93 13 00-0112	EA	12" To 15" Runners Hedera helix - English Ivy	2.20	
32 93 13 00-0113	EA	1 Gallon Hedera helix - English Ivy	5.28	
32 93 13 00-0114	EA	50 Plant Flat Hedera helix - English Ivy	30.51	
32 93 13 00-0115	EA	4" Pot Lavandula angustifolia - English Lavender	1.91	
32 93 13 00-0116	EA	1 Quart Lavandula angustifolia - English Lavender	3.67	
32 93 13 00-0117	EA	1 Gallon Lavandula angustifolia - English Lavender	6.01	
32 93 13 00-0118	EA	1 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper	5.72	
32 93 13 00-0119	EA	2 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper	11.44	
32 93 13 00-0120	EA	1 Quart Arundo donax - Giant Reed	7.04	
32 93 13 00-0121	EA	1 Gallon Arundo donax - Giant Reed	10.12	
32 93 13 00-0122	EA	1 Gallon Lonicera x heckrottii - Gold Flame Honeysuckle	6.01	
32 93 13 00-0123	EA	2 Gallon Lonicera x heckrottii - Gold Flame Honeysuckle	11.44	
32 93 13 00-0124	EA	1 Quart Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass	7.77	
32 93 13 00-0125	EA	1 Gallon Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass	11.73	
32 93 13 00-0126	EA	3" Pot Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	1.32	
32 93 13 00-0127	EA	1 Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	6.01	
32 93 13 00-0128	EA	2 Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	11.44	
32 93 13 00-0129	EA	1 Gallon Hardenbergia violacea - Happy Wanderer	5.28	
32 93 13 00-0130	EA	5 Gallon Hardenbergia violacea - Happy Wanderer	17.60	
32 93 13 00-0131	EA	3 Gallon Hibiscus, Assorted Colors	6.88	
32 93 13 00-0132	EA	1 Gallon Acorus gramineus - Japanese Sweet Flag	5.50	
32 93 13 00-0133	EA	1 Gallon Jasminum volubile - Wax Jasmine	2.77	
32 93 13 00-0134	EA	1 Gallon Jasminum volubile - Wax Jasmine	6.88	
32 93 13 00-0135	EA	1 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper	3.45	
32 93 13 00-0136	EA	3 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper	7.69	
32 93 13 00-0137	EA	1 Gallon Cissus antarctica - Kangaroo Vine	4.25	
32 93 13 00-0138	EA	5 Gallon Cissus antarctica - Kangaroo Vine	13.35	
32 93 13 00-0139	EA	1 Quart Stachys byzantina - Lamb's Ear	2.20	
32 93 13 00-0140	EA	1 Quart Stachys byzantina - Lamb's Ear	5.28	
32 93 13 00-0141	EA	1 Gallon Lantana spp. Various Colors	3.11	
32 93 13 00-0142	EA	1 Gallon Lantana sellowiana - Trailing Lantana	2.05	
32 93 13 00-0143	EA	1 Gallon Cocculus laurifolius - Laurel-leaf Snailseed	4.25	
32 93 13 00-0144	EA	5 Gallon Cocculus laurifolius - Laurel-leaf Snailseed	15.25	
32 93 13 00-0145	EA	1 Gallon Liriope Evergreen Giant, 6 To 8 Bibs Minimum	3.11	
32 93 13 00-0146	EA	1 Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum	3.93	
32 93 13 00-0147	EA	3 Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum	6.28	
32 93 13 00-0148	EA	1 Quart Moss Phlox, Creeping Phlox	2.20	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 13 00-0149	EA	1 Gallon Moss Phlox, Creeping Phlox	5.28	
32 93 13 00-0150	EA	1 Gallon Nephrolepis exaltata - Common Boston Fern	2.77	
32 93 13 00-0151	EA	4" Pot Ophiopogon Japonicus - Mondo grass	1.32	
32 93 13 00-0152	EA	1 Gallon Ophiopogon Japonicus - Mondo grass	5.28	
32 93 13 00-0153	EA	5 Gallon Ophiopogon Japonicus - Mondo grass	12.17	
32 93 13 00-0154	EA	2' To 3' High Oregon Holly-Grape	6.09	
32 93 13 00-0155	EA	1 Gallon Pachysandra terminalis - Pachysandra	7.94	
32 93 13 00-0156	EA	2-1/4" Pot Vinca minor - Periwinkle	0.73	
32 93 13 00-0157	EA	4" Pot Vinca minor - Periwinkle	2.20	
32 93 13 00-0158	EA	Bare Root Vinca minor - Periwinkle	0.73	
32 93 13 00-0159	EA	1 Quart Nepeta mussinii - Persian Catmint	2.20	
32 93 13 00-0160	EA	1 Gallon Nepeta mussinii - Persian Catmint	4.55	
32 93 13 00-0161	EA	1 Gallon Coprosma kirkii - Prostrate Coprosma	3.67	
32 93 13 00-0162	EA	5 Gallon Coprosma kirkii - Prostrate Coprosma	13.35	
32 93 13 00-0163	EA	1 Gallon Juniperus Horizontalis - Prostrate Juniper	6.01	
32 93 13 00-0164	EA	3 Gallon Juniperus Horizontalis - Prostrate Juniper	12.91	
32 93 13 00-0165	EA	5 Gallon Juniperus Horizontalis - Prostrate Juniper	19.07	
32 93 13 00-0166	EA	1 Quart Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	5.24	
32 93 13 00-0167	EA	1 Gallon Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	13.57	
32 93 13 00-0168	EA	24 Plant Flat Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	22.73	
32 93 13 00-0169	EA	1 Gallon Tradescantia spathacea - Rhoeo Discolor "Dwarf"	2.77	
32 93 13 00-0170	EA	1 Quart Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	3.08	
32 93 13 00-0171	EA	1 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	5.50	
32 93 13 00-0172	EA	2 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	8.58	
32 93 13 00-0173	EA	1 Gallon Hymenocallis latifolia - Spider Lily	3.41	
32 93 13 00-0174	EA	3 Gallon Hymenocallis latifolia - Spider Lily	9.10	
32 93 13 00-0175	EA	1 Quart Hypericum perforatum - St. John's Wort	2.20	
32 93 13 00-0176	EA	1 Gallon Hypericum perforatum - St. John's Wort	5.28	
32 93 13 00-0177	EA	5 Gallon Hypericum perforatum - St. John's Wort	13.64	
32 93 13 00-0178	EA	24" To 30" High Viburnum awabuki - Sweet Viburnum	18.56	
32 93 13 00-0179	EA	1 Gallon Campsis radicans - Trumpet Creeper	8.07	
32 93 13 00-0180	EA	2 Gallon Campsis radicans - Trumpet Creeper	12.17	
32 93 13 00-0181	EA	5 Gallon Campsis radicans - Trumpet Creeper	29.33	
32 93 13 00-0182	EA	2-1/4" Pot Vinca major - Variegated Greater Periwinkle	0.73	
32 93 13 00-0183	EA	4" Pot Vinca major - Variegated Greater Periwinkle	2.20	
32 93 13 00-0184	EA	Bare Root Vinca major - Variegated Greater Periwinkle	0.73	
32 93 13 00-0185	EA	1 Quart Carex hachijoensis - Variegated Japanese Sedge	3.96	
32 93 13 00-0186	EA	1 Gallon Carex hachijoensis - Variegated Japanese Sedge	5.50	
32 93 13 00-0187	EA	2 Gallon Carex hachijoensis - Variegated Japanese Sedge	8.58	
32 93 13 00-0188	EA	1 Gallon Liriope muscari 'Variegata' - Variegated Lilyturf	6.01	
32 93 13 00-0189	EA	2 Quart Verbena peruviana "St. Paul" - St. Paul Verbena	2.79	
32 93 13 00-0190	EA	1 Gallon Verbena peruviana "St. Paul" - St. Paul Verbena	4.25	
32 93 13 00-0191	EA	48 Plant Flat Vinca minor - Lesser Periwinkle	26.14	
32 93 13 00-0192	EA	3" Pot Parthenocissus quinquefolia - Virginia Creeper	1.32	
32 93 13 00-0193	EA	1 Gallon Parthenocissus quinquefolia - Virginia Creeper	6.89	
32 93 13 00-0194	EA	1 Gallon Jasminum polyanthum - Winter Jasmine	5.28	
32 93 13 00-0195	EA	2 Gallon Jasminum polyanthum - Winter Jasmine	10.56	
32 93 13 00-0196	EA	5 Gallon Jasminum polyanthum - Winter Jasmine	18.33	
32 93 13 00-0197	EA	1 Gallon Cistaceae - Wrinkleleaf Rock Rose	4.25	
32 93 13 00-0198	EA	5 Gallon Cistaceae - Wrinkleleaf Rock Rose	14.52	

32 93 23 Plants And Bulbs *(32 93)*

Note: Materials only.

32 93 23 00-0001 Perennials *(32 93 23)*

32 93 23 00-0002	EA	2 Quart Assorted Daylilies	4.25	
32 93 23 00-0003	EA	1 Gallon Assorted Daylilies	6.01	
32 93 23 00-0004	EA	2 Gallon Assorted Daylilies	9.97	
32 93 23 00-0005	EA	1 Quart Azure Penstemon	2.20	
32 93 23 00-0006	EA	1 Gallon Azure Penstemon	5.50	
32 93 23 00-0007	EA	1 Quart Balloon Flower	2.20	
32 93 23 00-0008	EA	1 Gallon Balloon Flower	5.50	
32 93 23 00-0009	EA	1 Quart Black-eyed Susan	2.20	
32 93 23 00-0010	EA	1 Gallon Black-eyed Susan	5.50	
32 93 23 00-0011	EA	2 Gallon Black-eyed Susan	7.11	
32 93 23 00-0012	EA	1 Quart Blackberry Lily	2.20	
32 93 23 00-0013	EA	1 Gallon Blackberry Lily	5.50	
32 93 23 00-0014	EA	1 Quart Blank Flower	2.20	
32 93 23 00-0015	EA	1 Gallon Blank Flower	5.06	
32 93 23 00-0016	EA	2 Gallon Blank Flower	7.11	
32 93 23 00-0017	EA	1 Quart Blazing Star, Gayfeather	2.20	
32 93 23 00-0018	EA	1 Gallon Blazing Star, Gayfeather	5.50	
32 93 23 00-0019	EA	1 Quart Bloodred Geranium	3.74	
32 93 23 00-0020	EA	1 Gallon Bloodred Geranium	6.31	
32 93 23 00-0021	EA	1 Quart Blue Plumbago	2.20	
32 93 23 00-0022	EA	1 Gallon Blue Plumbago	5.50	
32 93 23 00-0023	EA	1 Quart Blue Star	3.96	
32 93 23 00-0024	EA	1 Gallon Blue Star	6.31	
32 93 23 00-0025	EA	1 Quart Cardinal Flower	2.20	
32 93 23 00-0026	EA	1 Gallon Cardinal Flower	5.50	
32 93 23 00-0027	EA	4" Pot Columbine	1.32	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 23 00-0028	EA	1 Quart Columbine	2.20	
32 93 23 00-0029	EA	1 Gallon Columbine	5.50	
32 93 23 00-0030	EA	1 Quart Common Globeflower	2.20	
32 93 23 00-0031	EA	1 Gallon Common Globeflower	5.50	
32 93 23 00-0032	EA	1 Quart Cottage Pink, Scotch Pink	2.20	
32 93 23 00-0033	EA	1 Quart Cottage Pink, Scotch Pink	5.50	
32 93 23 00-0034	EA	1 Gallon Astilbe 'Deutschland'	7.92	
32 93 23 00-0035	EA	1 Quart Diploid	2.79	
32 93 23 00-0036	EA	1 Gallon Diploid	6.31	
32 93 23 00-0037	EA	3 Gallon Diploid	10.85	
32 93 23 00-0038	EA	4" Pot Dune Sunflower	3.14	
32 93 23 00-0039	EA	1 Quart Evans Begonia	3.96	
32 93 23 00-0040	EA	1 Gallon Evans Begonia	7.11	
32 93 23 00-0041	EA	1 Quart False Dragonhead	2.20	
32 93 23 00-0042	EA	1 Gallon False Dragonhead	5.50	
32 93 23 00-0043	EA	1 Quart False Spirea	2.20	
32 93 23 00-0044	EA	1 Gallon False Spirea	7.11	
32 93 23 00-0045	EA	3 Gallon False Spirea	9.83	
32 93 23 00-0046	EA	2 Quart False Sunflower	3.52	
32 93 23 00-0047	EA	1 Gallon False Sunflower	5.50	
32 93 23 00-0048	EA	2 Gallon False Sunflower	7.11	
32 93 23 00-0049	EA	1 Gallon Foxglove	5.06	
32 93 23 00-0050	EA	2 Gallon Foxglove	7.11	
32 93 23 00-0051	EA	3 Gallon Foxglove	10.27	
32 93 23 00-0052	EA	1 Gallon Francee Hostas	8.91	
32 93 23 00-0053	EA	1 Quart Garden Phlox	2.20	
32 93 23 00-0054	EA	1 Gallon Garden Phlox	5.50	
32 93 23 00-0055	EA	2 Quart Golden Groundsel	4.69	
32 93 23 00-0056	EA	2 Gallon Golden Groundsel	9.46	
32 93 23 00-0057	EA	1 Quart Golden Star	2.20	
32 93 23 00-0058	EA	1 Gallon Golden Star	5.50	
32 93 23 00-0059	EA	1 Quart Goldenrod	2.20	
32 93 23 00-0060	EA	1 Gallon Goldenrod	5.50	
32 93 23 00-0061	EA	1 Gallon Happy Returns Daylillies	10.24	
32 93 23 00-0062	EA	4" Pot Hardy Aster, Michaelmas Daisy	1.32	
32 93 23 00-0063	EA	1 Quart Hardy Aster, Michaelmas Daisy	2.20	
32 93 23 00-0064	EA	1 Gallon Hardy Aster, Michaelmas Daisy	5.50	
32 93 23 00-0065	EA	1 Quart Hardy Chrysanthemum	1.91	
32 93 23 00-0066	EA	6" To 8" Pot Hardy Chrysanthemum	3.15	
32 93 23 00-0067	EA	1 Gallon Hardy Chrysanthemum	5.06	
32 93 23 00-0068	EA	1 Gallon Herbaceous Peony	7.85	
32 93 23 00-0069	EA	2 Gallon Herbaceous Peony	12.54	
32 93 23 00-0070	EA	3 Gallon Herbaceous Peony	16.50	
32 93 23 00-0071	EA	4" Pot Japanese Anemone	1.32	
32 93 23 00-0072	EA	1 Quart Japanese Anemone	3.96	
32 93 23 00-0073	EA	2 Gallon Japanese Anemone	7.11	
32 93 23 00-0074	EA	2" Pot Japanese Spurge	0.78	
32 93 23 00-0075	EA	6" Pot Japanese Spurge	1.17	
32 93 23 00-0076	EA	1 Gallon Japanese Spurge	5.05	
32 93 23 00-0077	EA	1 Quart Oriental Poppy	3.15	
32 93 23 00-0078	EA	1 Gallon Oriental Poppy	6.31	
32 93 23 00-0079	EA	48 Plant Flat Pachysandra terminalis	26.14	
32 93 23 00-0080	EA	1 Gallon Pacific Coast Iris	4.33	
32 93 23 00-0081	EA	3 Gallon Pacific Coast Iris	8.21	
32 93 23 00-0082	EA	1 Gallon Palace Purple Coral Bells	8.33	
32 93 23 00-0083	EA	4" Pot Perennial Salvia	1.32	
32 93 23 00-0084	EA	1 Quart Perennial Salvia	2.20	
32 93 23 00-0085	EA	1 Gallon Perennial Salvia	5.50	
32 93 23 00-0086	EA	1 Quart Pincushion Flower	2.20	
32 93 23 00-0087	EA	1 Gallon Pincushion Flower	5.50	
32 93 23 00-0088	EA	2 Quart Plantain Lily	4.25	
32 93 23 00-0089	EA	1 Gallon Plantain Lily	6.01	
32 93 23 00-0090	EA	2 Gallon Plantain Lily	9.97	
32 93 23 00-0091	EA	3 Gallon Plantain Lily	18.85	
32 93 23 00-0092	EA	2 Quart Purple Coneflower	3.96	
32 93 23 00-0093	EA	1 Gallon Purple Coneflower	5.50	
32 93 23 00-0094	EA	2 Gallon Purple Coneflower	7.11	
32 93 23 00-0095	EA	1 Quart Purple Loosestrife	2.20	
32 93 23 00-0096	EA	1 Gallon Purple Loosestrife	5.50	
32 93 23 00-0097	EA	1 Quart Rose Mallow	4.33	
32 93 23 00-0098	EA	2 Gallon Rose Mallow	7.85	
32 93 23 00-0099	EA	3 Gallon Rose Mallow	13.42	
32 93 23 00-0100	EA	1 Gallon Autumn Joy Sedum	8.39	
32 93 23 00-0101	EA	1 Quart Siberian Iris	3.74	
32 93 23 00-0102	EA	2 Gallon Siberian Iris	7.11	
32 93 23 00-0103	EA	3 Gallon Siberian Iris	9.83	
32 93 23 00-0104	EA	1 Quart Speedwell	2.20	
32 93 23 00-0105	EA	1 Gallon Speedwell	5.50	
32 93 23 00-0106	EA	1 Quart Tetraploid	5.50	
32 93 23 00-0107	EA	1 Gallon Tetraploid	10.27	
32 93 23 00-0108	EA	3 Gallon Tetraploid	14.01	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 23 00-0109	EA	1 Quart Threadleaf Coreopsis	2.20	
32 93 23 00-0110	EA	1 Gallon Threadleaf Coreopsis	5.50	
32 93 23 00-0111	EA	1 Quart Torch Lily	2.20	
32 93 23 00-0112	EA	1 Quart Bluebeard	3.96	
32 93 23 00-0113	EA	1 Gallon Bluebeard	5.87	
32 93 23 00-0114	EA	2 Gallon Bluebeard	8.58	
32 93 23 00-0115		Annuals *(32 93 23)*		
32 93 23 00-0116	EA	2-1/2" Pot Annual Flowers	1.02	
32 93 23 00-0117	EA	3" Pot Annual Flowers	1.38	
32 93 23 00-0118	EA	4" Pot Annual Flowers	2.95	
32 93 23 00-0119	EA	5-1/2" Pot Annual Flowers	3.92	
32 93 23 00-0120	EA	6" Pot Annual Flowers	7.77	
32 93 23 00-0121	EA	8" Pot Annual Flowers	12.95	
32 93 23 00-0122	EA	36 Plant Flat Annual Flowers	16.96	
32 93 23 00-0123	EA	48 Plant Flat Annual Flowers	19.23	
32 93 23 00-0124		Bulbs *(32 93 23)*		
32 93 23 00-0125	EA	Top Size Allium giganteum - Giant Ornamental Onion	3.55	
32 93 23 00-0126	EA	Top Size Allium sphaerocephalum - Drumstick Ornamental Onion	0.20	
32 93 23 00-0127	LOT	Lot Of 100 Top Size Crocus Hybrid	23.21	
32 93 23 00-0128	LOT	Lot Of 100 Top Size Eranthis hyemalis - Winter Aconite	30.03	
32 93 23 00-0129	LOT	Lot Of 100 Top Size Galanthus nivalis - Snowdrops	38.23	
32 93 23 00-0130	LOT	Lot Of 100 Top Size Iris reticulata cvs - Dutch Iris	15.02	
32 93 23 00-0131	LOT	Lot Of 100 Top Size Muscari armeniacum - Grape Hyacinth	17.75	
32 93 23 00-0132	LOT	Lot Of 100 Top Size Muscari latifolium - Grape Hyacinth	20.48	
32 93 23 00-0133	LOT	Lot Of 50 Narcissus 'Carlton' - Carlton Daffodil DNI	61.43	
32 93 23 00-0134	LOT	Lot Of 50 Narcissus 'Dutch Master' - Dutch Master Daffodil DNI	29.35	
32 93 23 00-0135	LOT	Lot Of 50 Narcissus 'February Gold' - February Gold Daffodil DNI	30.72	
32 93 23 00-0136	LOT	Lot Of 50 Narcissus 'Ice Follies' - Ice Follies Daffodil DNI	30.72	
32 93 23 00-0137	LOT	Lot Of 50 Narcissus 'Mount Hood' - Mount Hood Daffodil DNI	32.08	
32 93 23 00-0138	LOT	Lot Of 50 Narcissus 'Papillon Blanc' - Papillon Blanc Daffodil DNI	34.13	
32 93 23 00-0139	LOT	Lot Of 50 Narcissus 'Pipit' - Pipit Daffodil DNI	32.08	
32 93 23 00-0140	LOT	Lot Of 50 Narcissus 'Salome' - Salome Daffodil DNI	30.03	
32 93 23 00-0141	LOT	Lot Of 50 Narcissus 'Tete A Tete' - Tete A Tete Daffodil DNI	32.08	
32 93 23 00-0142	LOT	Lot Of 50 Narcissus 'Thalia' - Thalia Daffodil DNI	32.08	
32 93 23 00-0143	LOT	Lot Of 100 Top Size Scilla siberica - Siberian Squill	19.11	
32 93 23 00-0144	LOT	Lot Of 60 Top Size Tulip 'Angelique' - Angelique Tulip	32.77	
32 93 23 00-0145	LOT	Lot Of 60 Top Size Tulip 'Apeldoorn' - Apeldoorn Tulip	24.57	
32 93 23 00-0146	LOT	Lot Of 100 Top Size Tulip 'Apricot Beauty' - Apricot Beauty Tulip	54.61	
32 93 23 00-0147	LOT	Lot Of 100 Top Size Tulip 'Big Smile' - Big Smile Tulip	47.78	
32 93 23 00-0148	LOT	Lot Of 100 Top Size Tulip 'Black Parrot' - Black Parrot Tulip	68.26	
32 93 23 00-0149	LOT	Lot Of 100 Top Size Tulip 'Blue Heron' - Blue Heron Tulip	51.88	
32 93 23 00-0150	LOT	Lot Of 100 Top Size Tulip 'Cardinal' - Cardinal Tulip	45.05	
32 93 23 00-0151	LOT	Lot Of 100 Top Size Tulip 'Christmas Marvel' - Christmas Marvel Tulip	50.51	
32 93 23 00-0152	LOT	Lot Of 100 Top Size Tulip clusiana - Species Tulip	50.51	
32 93 23 00-0153	LOT	Lot Of 60 Top Size Tulip 'Elizabeth Arden' - Elizabeth Arden Tulip	30.31	
32 93 23 00-0154	LOT	Lot Of 60 Top Size Tulip 'Golden Apledoorn' - Golden Apledoorn Tulip	24.57	
32 93 23 00-0155	LOT	Lot Of 60 Top Size Tulip 'Golden Emperor' - Golden Emperor Tulip	23.75	
32 93 23 00-0156	LOT	Lot Of 100 Top Size Tulip 'Halcro' - Halcro Tulip	40.96	
32 93 23 00-0157	LOT	Lot Of 60 Top Size Tulip 'Ivory Floridale' - Ivory FloradaleTulip	40.96	
32 93 23 00-0158	LOT	Lot Of 60 Top Size Tulip 'Orange Emperor' - Orange Emperor Tulip	24.57	
32 93 23 00-0159	LOT	Lot Of 100 Top Size Tulip 'Passionale' - Passionale Tulip	54.61	
32 93 23 00-0160	LOT	Lot Of 60 Top Size Tulip 'Peach Blossom' - Peach Blossom Tulip	35.22	
32 93 23 00-0161	LOT	Lot Of 100 Top Size Tulip 'Peer Gynt' - Peer Gynt Tulip	61.43	
32 93 23 00-0162	LOT	Lot Of 100 Top Size Tulip 'Pink Diamond' - Pink Diamond Tulip	49.15	
32 93 23 00-0163	LOT	Lot Of 60 Top Size Tulip 'Pink Emperor' - Pink Emperor Tulip	27.85	
32 93 23 00-0164	LOT	Lot Of 60 Top Size Tulip praetens 'Fusilier' - Praetens Fusilier Tulip	30.31	
32 93 23 00-0165	LOT	Lot Of 60 Top Size Tulip 'Princeps' - Princeps Tulip	30.31	
32 93 23 00-0166	LOT	Lot Of 100 Top Size Tulip 'Red Riding Hood' - Red Riding Hood Tulip	39.59	
32 93 23 00-0167	LOT	Lot Of 100 Top Size Tulip saxatilis - Species Tulip	27.30	
32 93 23 00-0168	LOT	Lot Of 100 Top Size Tulip 'Shirley - Shirley Tulip	40.96	
32 93 23 00-0169	LOT	Lot Of 100 Top Size Tulip 'Spring Green' - Spring Green Tulip	53.24	
32 93 23 00-0170	LOT	Lot Of 60 Top Size Tulip 'White Emperor' - White Emperor Tulip	24.57	
32 93 33		**Shrubs** *(32 93)*		
		Note: (cvs = cultivar) materials only.		
32 93 33 00-0001		Shrubs *(32 93 33)*		
32 93 33 00-0002	EA	1 Gallon Abelia x grandiflora - Abelia	3.30	
32 93 33 00-0003	EA	3 Gallon Abelia x grandiflora - Abelia	6.72	
32 93 33 00-0004	EA	5 Gallon Abelia x grandiflora - Abelia	12.90	
32 93 33 00-0005	EA	3 Gallon Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	85.85	
32 93 33 00-0006	EA	18" B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	125.47	
32 93 33 00-0007	EA	24" B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	139.99	
32 93 33 00-0008	EA	30" B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	176.97	
32 93 33 00-0009	EA	36" B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	196.78	
32 93 33 00-0010	EA	18" B&B Aesculus parviflora - Bottlebrush Buckeye	39.62	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0011	EA	24" B&B Aesculus parviflora - Bottlebrush Buckeye	52.83	
32 93 33 00-0012	EA	30" B&B Aesculus parviflora - Bottlebrush Buckeye	66.03	
32 93 33 00-0013	EA	36" B&B Aronia arbutifolia & cvs - Red Chokeberry	22.45	
32 93 33 00-0014	EA	42" B&B Aronia arbutifolia & cvs - Red Chokeberry	26.41	
32 93 33 00-0015	EA	48" B&B Aronia arbutifolia & cvs - Red Chokeberry	31.70	
32 93 33 00-0016	EA	60" B&B Aronia arbutifolia & cvs - Red Chokeberry	36.98	
32 93 33 00-0017	EA	72" B&B Aronia arbutifolia & cvs - Red Chokeberry	44.90	
32 93 33 00-0018	EA	36" B&B Aronia melanocarpa & cvs - Black Chokeberry	21.79	
32 93 33 00-0019	EA	42" B&B Aronia melanocarpa & cvs - Black Chokeberry	23.11	
32 93 33 00-0020	EA	48" B&B Aronia melanocarpa & cvs - Black Chokeberry	24.43	
32 93 33 00-0021	EA	60" B&B Aronia melanocarpa & cvs - Black Chokeberry	27.73	
32 93 33 00-0022	EA	36" B&B Aronia prunifolia - Purple-Fruited Chokeberry	22.12	
32 93 33 00-0023	EA	42" B&B Aronia prunifolia - Purple-Fruited Chokeberry	23.44	
32 93 33 00-0024	EA	48" B&B Aronia prunifolia - Purple-Fruited Chokeberry	24.76	
32 93 33 00-0025	EA	60" B&B Aronia prunifolia - Purple-Fruited Chokeberry	26.08	
32 93 33 00-0026	EA	1 Gallon Aspidistra elatior - Cast Iron Plant	4.54	
32 93 33 00-0027	EA	2 Gallon Aspidistra elatior - Cast Iron Plant	10.50	
32 93 33 00-0028	EA	1 Gallon Aucuba japonica "Variegata" - Gold Dust Plant	5.32	
32 93 33 00-0029	EA	3 Gallon Aucuba japonica "Variegata" - Gold Dust Plant	11.71	
32 93 33 00-0030	EA	5 Gallon Aucuba japonica "Variegata" - Gold Dust Plant	15.82	
32 93 33 00-0031	EA	1 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush	5.68	
32 93 33 00-0032	EA	2 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush	8.30	
32 93 33 00-0033	EA	15" To 18" Berberis - Northern Bayberry	23.69	
32 93 33 00-0034	EA	2' To 2-1/2' Berberis - Northern Bayberry	30.08	
32 93 33 00-0035	EA	2-1/2' To 3' Berberis - Northern Bayberry	42.14	
32 93 33 00-0036	EA	18" To 24" Berberis julianae - Dwarf Wintergreen Barberry	25.33	
32 93 33 00-0037	EA	2' To 2-1/2' Berberis julianae - Dwarf Wintergreen Barberry	32.42	
32 93 33 00-0038	EA	2-1/2' To 3' Berberis julianae - Dwarf Wintergreen Barberry	41.43	
32 93 33 00-0039	EA	1 Gallon Berberis thunbergii - Crimson Pygmy Barberry	6.81	
32 93 33 00-0040	EA	2 Gallon Berberis thunbergii - Crimson Pygmy Barberry	13.41	
32 93 33 00-0041	EA	3 Gallon Berberis thunbergii - Crimson Pygmy Barberry	16.39	
32 93 33 00-0042	EA	1 Gallon Berberis x mentorensis - Mentor Barberry	6.46	
32 93 33 00-0043	EA	5 Gallon Berberis x mentorensis - Mentor Barberry	18.23	
32 93 33 00-0044	EA	2' To 3' Berberis x mentorensis - Mentor Barberry	25.33	
32 93 33 00-0045	EA	3' To 4' Berberis x mentorensis - Mentor Barberry	39.09	
32 93 33 00-0046	EA	1 Gallon Buxus microphylla japonica - Japanese Boxwood	7.38	
32 93 33 00-0047	EA	5 Gallon Buxus microphylla japonica - Japanese Boxwood	19.79	
32 93 33 00-0048	EA	12" To 15" Buxus microphylla japonica - Japanese Boxwood	21.07	
32 93 33 00-0049	EA	15" To 18" Buxus microphylla japonica - Japanese Boxwood	27.10	
32 93 33 00-0050	EA	18" To 24" Buxus microphylla japonica - Japanese Boxwood	36.11	
32 93 33 00-0051	EA	24" To 30" Buxus microphylla japonica - Japanese Boxwood	54.20	
32 93 33 00-0052	EA	30" To 36" Buxus microphylla japonica - Japanese Boxwood	75.27	
32 93 33 00-0053	EA	12" To 15" Buxus sempervirens - Common Boxwood	21.07	
32 93 33 00-0054	EA	15" To 18" Buxus sempervirens - Common Boxwood	27.10	
32 93 33 00-0055	EA	18" To 24" Buxus sempervirens - Common Boxwood	36.11	
32 93 33 00-0056	EA	24" To 30" Buxus sempervirens - Common Boxwood	54.20	
32 93 33 00-0057	EA	2 Gallon Buxus Hybrid - Boxwood Cultivars	13.87	
32 93 33 00-0058	EA	5 Gallon Buxus Hybrid - Boxwood Cultivars	23.11	
32 93 33 00-0059	EA	5 Gallon Buxus microphylla & cvs - Little leaf Boxwood	60.75	
32 93 33 00-0060	EA	18" B&B Buxus microphylla & cvs - Little leaf Boxwood	33.02	
32 93 33 00-0061	EA	24" B&B Buxus microphylla & cvs - Little leaf Boxwood	44.90	
32 93 33 00-0062	EA	30" B&B Buxus microphylla & cvs - Little leaf Boxwood	60.75	
32 93 33 00-0063	EA	5 Gallon Calycanthus floridus - Common Sweetshrub	21.79	
32 93 33 00-0064	EA	30" B&B Calycanthus floridus - Common Sweetshrub	19.81	
32 93 33 00-0065	EA	36" B&B Calycanthus floridus - Common Sweetshrub	26.41	
32 93 33 00-0066	EA	1 Gallon Camellia "Sasanqua" - Camellia	5.32	
32 93 33 00-0067	EA	3 Gallon Camellia "Sasanqua" - Camellia	11.35	
32 93 33 00-0068	EA	5 Gallon Camellia "Sasanqua" - Camellia	18.87	
32 93 33 00-0069	EA	7 Gallon Camellia "Sasanqua" - Camellia	28.10	
32 93 33 00-0070	EA	15 Gallon Camellia "Sasanqua" - Camellia	72.90	
32 93 33 00-0071	EA	1 Gallon Camellia japonica - Camellia	5.32	
32 93 33 00-0072	EA	3 Gallon Camellia japonica - Camellia	11.35	
32 93 33 00-0073	EA	5 Gallon Camellia japonica - Camellia	18.87	
32 93 33 00-0074	EA	5 Gallon Ceanothus americanus - New Jersey Tea	21.79	
32 93 33 00-0075	EA	5 Gallon Celastrus scandens - Bittersweet	21.79	
32 93 33 00-0076	EA	36" B&B Celastrus scandens - Bittersweet	18.49	
32 93 33 00-0077	EA	5 Gallon Cephalanthus occidentalis - Buttonbush	21.79	
32 93 33 00-0078	EA	24" B&B Cephalanthus occidentalis - Buttonbush	16.51	
32 93 33 00-0079	EA	30" B&B Cephalanthus occidentalis - Buttonbush	18.49	
32 93 33 00-0080	EA	36" B&B Cephalanthus occidentalis - Buttonbush	19.81	
32 93 33 00-0081	EA	18" To 24" Chaenomeles speciosa - Flowering Quince	19.01	
32 93 33 00-0082	EA	2' To 3' Chaenomeles speciosa - Flowering Quince	25.33	
32 93 33 00-0083	EA	3' To 4' Chaenomeles speciosa - Flowering Quince	39.09	
32 93 33 00-0084	EA	3 Gallon Clethra alnifolia & cvs - Summersweet Clethra	21.13	
32 93 33 00-0085	EA	18" B&B Clethra alnifolia & cvs - Summersweet Clethra	22.78	
32 93 33 00-0086	EA	24" B&B Clethra alnifolia & cvs - Summersweet Clethra	25.42	
32 93 33 00-0087	EA	30" B&B Clethra alnifolia & cvs - Summersweet Clethra	26.74	
32 93 33 00-0088	EA	36" B&B Clethra alnifolia & cvs - Summersweet Clethra	31.37	
32 93 33 00-0089	EA	2' To 3' Cornus mas - Cornelian Cherry	30.08	
32 93 33 00-0090	EA	3' To 4' Cornus mas - Cornelian Cherry	37.60	
32 93 33 00-0091	EA	4' To 5' Cornus mas - Cornelian Cherry	48.17	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0092	EA	5' To 6' Cornus mas - Cornelian Cherry	66.19	
32 93 33 00-0093	EA	5 Gallon Cornus alba & cvs - Tartarian Dogwood	19.81	
32 93 33 00-0094	EA	36" B&B Cornus alba & cvs - Tartarian Dogwood	13.87	
32 93 33 00-0095	EA	48" B&B Cornus alba & cvs - Tartarian Dogwood	15.85	
32 93 33 00-0096	EA	60" B&B Cornus alba & cvs - Tartarian Dogwood	19.81	
32 93 33 00-0097	EA	72" B&B Cornus alba & cvs - Tartarian Dogwood	23.77	
32 93 33 00-0098	EA	36" B&B Cornus amomum - Silky Dogwood	19.81	
32 93 33 00-0099	EA	5 Gallon Cornus obliqua - Blue Fruited Dogwood	21.79	
32 93 33 00-0100	EA	5 Gallon Cornus racemosa - Gray Dogwood	21.79	
32 93 33 00-0101	EA	36" B&B Cornus racemosa - Gray Dogwood	19.81	
32 93 33 00-0102	EA	48" B&B Cornus racemosa - Gray Dogwood	23.11	
32 93 33 00-0103	EA	60" B&B Cornus racemosa - Gray Dogwood	25.09	
32 93 33 00-0104	EA	72" B&B Cornus racemosa - Gray Dogwood	30.38	
32 93 33 00-0105	EA	36" B&B Cornus sanguinea & cvs - Bloodtwig Dogwood	21.46	
32 93 33 00-0106	EA	48" B&B Cornus sanguinea & cvs - Bloodtwig Dogwood	24.10	
32 93 33 00-0107	EA	60" B&B Cornus sanguinea & cvs - Bloodtwig Dogwood	27.40	
32 93 33 00-0108	EA	24" B&B Cornus sericea & cvs - Redosier Dogwood	17.17	
32 93 33 00-0109	EA	30" B&B Cornus sericea & cvs - Redosier Dogwood	19.81	
32 93 33 00-0110	EA	36" B&B Cornus sericea & cvs - Redosier Dogwood	21.13	
32 93 33 00-0111	EA	48" B&B Cornus sericea & cvs - Redosier Dogwood	23.11	
32 93 33 00-0112	EA	60" B&B Cornus sericea & cvs - Redosier Dogwood	25.75	
32 93 33 00-0113	EA	5 Gallon Corylus americana - American Filbert	20.47	
32 93 33 00-0114	EA	30" B&B Corylus americana - American Filbert	23.11	
32 93 33 00-0115	EA	36" B&B Corylus americana - American Filbert	24.76	
32 93 33 00-0116	EA	48" B&B Corylus americana - American Filbert	26.74	
32 93 33 00-0117	EA	24" B&B Corylus avellena - Contorted Hazelnut	66.03	
32 93 33 00-0118	EA	30" B&B Corylus avellena - Contorted Hazelnut	85.85	
32 93 33 00-0119	EA	36" B&B Corylus avellena - Contorted Hazelnut	92.45	
32 93 33 00-0120	EA	42" B&B Corylus avellena - Contorted Hazelnut	118.86	
32 93 33 00-0121	EA	48" B&B Corylus avellena - Contorted Hazelnut	145.28	
32 93 33 00-0122	EA	60" B&B Corylus avellena - Contorted Hazelnut	165.09	
32 93 33 00-0123	EA	5' To 6' Cotinus coggygria - Smoke Tree	63.21	
32 93 33 00-0124	EA	6' To 8' Cotinus coggygria - Smoke Tree	94.78	
32 93 33 00-0125	EA	8' To 10' Cotinus coggygria - Smoke Tree	142.94	
32 93 33 00-0126	EA	5 Gallon Cotoneaster acutifolia & cvs - Peking Cotoneaster	16.51	
32 93 33 00-0127	EA	18" B&B Cotoneaster acutifolia & cvs - Peking Cotoneaster	16.51	
32 93 33 00-0128	EA	24" B&B Cotoneaster acutifolia & cvs - Peking Cotoneaster	17.17	
32 93 33 00-0129	EA	12" To 15" Spread Cotoneaster adpressus - Creeping Cotoneaster	15.82	
32 93 33 00-0130	EA	3 Gallon Cotoneaster apiculata & cvs - Cranberry Cotoneaster	17.17	
32 93 33 00-0131	EA	18" B&B Cotoneaster apiculata & cvs - Cranberry Cotoneaster	16.51	
32 93 33 00-0132	EA	24" B&B Cotoneaster apiculata & cvs - Cranberry Cotoneaster	17.17	
32 93 33 00-0133	EA	1 Gallon Cotoneaster divaricatus - Spreading Cotoneaster	6.81	
32 93 33 00-0134	EA	2' To 3' Cotoneaster divaricatus - Spreading Cotoneaster	21.07	
32 93 33 00-0135	EA	3' To 4' Cotoneaster divaricatus - Spreading Cotoneaster	28.45	
32 93 33 00-0136	EA	4' To 5' Cotoneaster divaricatus - Spreading Cotoneaster	48.17	
32 93 33 00-0137	EA	1 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster	6.81	
32 93 33 00-0138	EA	2 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster	13.41	
32 93 33 00-0139	EA	18" B&B Deutzia gracilis - Slender Deutzia	16.84	
32 93 33 00-0140	EA	24" B&B Deutzia gracilis - Slender Deutzia	18.49	
32 93 33 00-0141	EA	30" B&B Deutzia gracilis - Slender Deutzia	23.77	
32 93 33 00-0142	EA	36" B&B Deutzia gracilis - Slender Deutzia	27.73	
32 93 33 00-0143	EA	42" B&B Deutzia gracilis - Slender Deutzia	31.70	
32 93 33 00-0144	EA	24" B&B Diervilla sessilifolia - Southern Bush Honeysuckle	26.41	
32 93 33 00-0145	EA	30" B&B Diervilla sessilifolia - Southern Bush Honeysuckle	31.70	
32 93 33 00-0146	EA	36" B&B Diervilla sessilifolia - Southern Bush Honeysuckle	36.98	
32 93 33 00-0147	EA	2 Gallon Diervilla splendens - Splendens Bush Honeysuckle	9.91	
32 93 33 00-0148	EA	36" B&B Diervilla splendens - Splendens Bush Honeysuckle	23.77	
32 93 33 00-0149	EA	48" B&B Diervilla splendens - Splendens Bush Honeysuckle	31.70	
32 93 33 00-0150	EA	3' To 4' Elaeagnus umbellata - Autumn Olive	19.72	
32 93 33 00-0151	EA	4' To 5' Elaeagnus umbellata - Autumn Olive	27.10	
32 93 33 00-0152	EA	5' To 6' Elaeagnus umbellata - Autumn Olive	32.42	
32 93 33 00-0153	EA	3' To 4' Elaeagnus angustiflolia - Russian Olive	31.57	
32 93 33 00-0154	EA	1 Gallon Euonymus - Gold Spot	5.68	
32 93 33 00-0155	EA	2 Gallon Euonymus - Gold Spot	11.92	
32 93 33 00-0156	EA	5 Gallon Euonymus - Gold Spot	16.39	
32 93 33 00-0157	EA	1 Gallon Euonymus alatus - Winged Euonymus	4.84	
32 93 33 00-0158	EA	3 Gallon Euonymus alatus - Winged Euonymus	13.97	
32 93 33 00-0159	EA	24" B&B Euonymus alatus - Winged Euonymus	18.83	
32 93 33 00-0160	EA	30" B&B Euonymus alatus - Winged Euonymus	23.54	
32 93 33 00-0161	EA	36" B&B Euonymus alatus - Winged Euonymus	32.35	
32 93 33 00-0162	EA	42" B&B Euonymus alatus - Winged Euonymus	39.94	
32 93 33 00-0163	EA	48" B&B Euonymus alatus - Winged Euonymus	47.08	
32 93 33 00-0164	EA	54" B&B Euonymus alatus - Winged Euonymus	60.75	
32 93 33 00-0165	EA	5 Gallon Euonymus alatus - Winged Euonymus	17.47	
32 93 33 00-0166	EA	60" B&B Euonymus alatus - Winged Euonymus	75.94	
32 93 33 00-0167	EA	30" B&B Euonymus alatus compactus - Compact Winged Euonymus	29.72	
32 93 33 00-0168	EA	36" B&B Euonymus alatus compactus - Compact Winged Euonymus	35.33	
32 93 33 00-0169	EA	42" B&B Euonymus alatus compactus - Compact Winged Euonymus	46.22	
32 93 33 00-0170	EA	48" B&B Euonymus alatus compactus - Compact Winged Euonymus	55.47	
32 93 33 00-0171	EA	60" B&B Euonymus alatus compactus - Compact Winged Euonymus	68.68	
32 93 33 00-0172	EA	18" To 24" Euonymus Alatus - Winged Burning Bush	21.07	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0173	EA	2' To 2-1/2' Euonymus Alatus - Winged Burning Bush	24.83	
32 93 33 00-0174	EA	2-1/2' To 3' Euonymus Alatus - Winged Burning Bush	33.91	
32 93 33 00-0175	EA	3' To 3-1/2' Euonymus Alatus - Winged Burning Bush	40.65	
32 93 33 00-0176	EA	3-1/2 To 4' Euonymus Alatus - Winged Burning Bush	51.15	
32 93 33 00-0177	EA	4' To 5' Euonymus Alatus - Winged Burning Bush	72.22	
32 93 33 00-0178	EA	5' To 6' Euonymus Alatus - Winged Burning Bush	90.31	
32 93 33 00-0179	EA	6' To 8' Euonymus Alatus - Winged Burning Bush	105.35	
32 93 33 00-0180	EA	15" To 18" Euonymus Alatus - Dwarf Winged Burning Bush	21.07	
32 93 33 00-0181	EA	18" To 24" Euonymus Alatus - Dwarf Winged Burning Bush	24.05	
32 93 33 00-0182	EA	2' To 2-1/2' Euonymus Alatus - Dwarf Winged Burning Bush	29.37	
32 93 33 00-0183	EA	2-1/2' To 3' Euonymus Alatus - Dwarf Winged Burning Bush	41.43	
32 93 33 00-0184	EA	3' To 3-1/2' Euonymus Alatus - Dwarf Winged Burning Bush	48.95	
32 93 33 00-0185	EA	3-1/2' To 4' Euonymus Alatus - Dwarf Winged Burning Bush	58.67	
32 93 33 00-0186	EA	4' To 5' Euonymus Alatus - Dwarf Winged Burning Bush	82.79	
32 93 33 00-0187	EA	5' To 6' Euonymus Alatus - Dwarf Winged Burning Bush	97.83	
32 93 33 00-0188	EA	36" B&B Euonymus atropurpurea - Eastern Wahoo	17.83	
32 93 33 00-0189	EA	1 Gallon Euonymus fortunei - Wintercreeper	6.81	
32 93 33 00-0190	EA	2 Gallon Euonymus fortunei - Wintercreeper	13.41	
32 93 33 00-0191	EA	3 Gallon Euonymus fortunei - Wintercreeper	16.39	
32 93 33 00-0192	EA	5 Gallon Euonymus fortunei - Wintercreeper	19.44	
32 93 33 00-0193	EA	2' To 3' Forsythia - Korean Forsythia	15.04	
32 93 33 00-0194	EA	3' To 4' Forsythia - Korean Forsythia	19.01	
32 93 33 00-0195	EA	4' To 5' Forsythia - Korean Forsythia	23.69	
32 93 33 00-0196	EA	30" B&B Forsythia cvs - Forsythia cultivars	15.19	
32 93 33 00-0197	EA	36" B&B Forsythia cvs - Forsythia cultivars	16.84	
32 93 33 00-0198	EA	48" B&B Forsythia cvs - Forsythia cultivars	18.16	
32 93 33 00-0199	EA	18" B&B Forsythia viridissima & cvs - Green Forsythia	15.85	
32 93 33 00-0200	EA	24" B&B Forsythia viridissima & cvs - Green Forsythia	21.13	
32 93 33 00-0201	EA	24" B&B Forsythia x intermedia & cvs - Border Forsythia	15.85	
32 93 33 00-0202	EA	30" B&B Forsythia x intermedia & cvs - Border Forsythia	18.49	
32 93 33 00-0203	EA	36" B&B Forsythia x intermedia & cvs - Border Forsythia	21.79	
32 93 33 00-0204	EA	42" B&B Forsythia x intermedia & cvs - Border Forsythia	25.09	
32 93 33 00-0205	EA	48" B&B Forsythia x intermedia & cvs - Border Forsythia	29.06	
32 93 33 00-0206	EA	2 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	22.45	
32 93 33 00-0207	EA	3 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	31.37	
32 93 33 00-0208	EA	5 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	33.02	
32 93 33 00-0209	EA	15" B&B Fothergilla gardenii & cvs - Dwarf Fothergilla	34.34	
32 93 33 00-0210	EA	18" B&B Fothergilla gardenii & cvs - Dwarf Fothergilla	36.98	
32 93 33 00-0211	EA	24" B&B Fothergilla gardenii & cvs - Dwarf Fothergilla	44.90	
32 93 33 00-0212	EA	24" B&B Fothergilla major - Large Fothergilla	58.11	
32 93 33 00-0213	EA	30" B&B Fothergilla major - Large Fothergilla	66.03	
32 93 33 00-0214	EA	1 Gallon Gardenia jasminoides - Cape Jasmine	4.90	
32 93 33 00-0215	EA	3 Gallon Gardenia jasminoides - Cape Jasmine	12.84	
32 93 33 00-0216	EA	5 Gallon Gardenia jasminoides - Cape Jasmine	16.39	
32 93 33 00-0217	EA	36" B&B Hamamelis vernalis & cvs - Vernal Witchhazel	46.22	
32 93 33 00-0218	EA	48" B&B Hamamelis vernalis & cvs - Vernal Witchhazel	75.28	
32 93 33 00-0219	EA	60" B&B Hamamelis vernalis & cvs - Vernal Witchhazel	95.09	
32 93 33 00-0220	EA	72" B&B Hamamelis vernalis & cvs - Vernal Witchhazel	145.28	
32 93 33 00-0221	EA	84" B&B Hamamelis vernalis & cvs - Vernal Witchhazel	165.09	
32 93 33 00-0222	EA	1 Gallon Hedychuium gartdnerum - Variegated Ginger	2.81	
32 93 33 00-0223	EA	3 Gallon Hedychuium gartdnerum - Variegated Ginger	9.87	
32 93 33 00-0224	EA	5 Gallon Hedychuium gartdnerum - Variegated Ginger	18.98	
32 93 33 00-0225	EA	1 Gallon Hibiscus rosa-sinensis - Hibiscus	7.20	
32 93 33 00-0226	EA	3 Gallon Hibiscus rosa-sinensis - Hibiscus	12.15	
32 93 33 00-0227	EA	5 Gallon Hibiscus rosa-sinensis - Hibiscus	18.38	
32 93 33 00-0228	EA	5 Gallon Hibiscus syriacus - Rose Of Sharon	19.01	
32 93 33 00-0229	EA	2' To 3' Hibiscus syriacus - Rose Of Sharon	16.17	
32 93 33 00-0230	EA	3' To 4' Hibiscus syriacus - Rose Of Sharon	21.85	
32 93 33 00-0231	EA	4' To 5' Hibiscus syriacus - Rose Of Sharon	31.57	
32 93 33 00-0232	EA	5' To 6' Hibiscus syriacus - Rose Of Sharon	43.63	
32 93 33 00-0233	EA	2 Gallon Hydrangea - Blue Hydrangea	13.41	
32 93 33 00-0234	EA	5 Gallon Hydrangea - Blue Hydrangea	18.87	
32 93 33 00-0235	EA	2' To 3' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea	21.07	
32 93 33 00-0236	EA	3' To 4' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea	24.05	
32 93 33 00-0237	EA	2 Gallon Hydrangea quercifloia - Oakleaf Hydrangea	13.41	
32 93 33 00-0238	EA	5 Gallon Hydrangea arborescens & cvs - Smooth Hydrangea	23.11	
32 93 33 00-0239	EA	30" B&B Hydrangea arborescens & cvs - Smooth Hydrangea	25.09	
32 93 33 00-0240	EA	36" B&B Hydrangea arborescens & cvs - Smooth Hydrangea	29.06	
32 93 33 00-0241	EA	4 Gallon Hydrangea macrophylla & cvs - Bigleaf Hydrangea	30.38	
32 93 33 00-0242	EA	18" B&B Hydrangea macrophylla & cvs - Bigleaf Hydrangea	23.77	
32 93 33 00-0243	EA	24" B&B Hydrangea macrophylla & cvs - Bigleaf Hydrangea	31.70	
32 93 33 00-0244	EA	3 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea	13.87	
32 93 33 00-0245	EA	5 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea	16.51	
32 93 33 00-0246	EA	18" B&B Hydrangea paniculata & cvs - Panicle Hydrangea	14.20	
32 93 33 00-0247	EA	24" B&B Hydrangea paniculata & cvs - Panicle Hydrangea	15.19	
32 93 33 00-0248	EA	30" B&B Hydrangea paniculata & cvs - Panicle Hydrangea	17.17	
32 93 33 00-0249	EA	36" B&B Hydrangea paniculata & cvs - Panicle Hydrangea	19.81	
32 93 33 00-0250	EA	48" B&B Hydrangea paniculata & cvs - Panicle Hydrangea	26.41	
32 93 33 00-0251	EA	18" B&B Hydrangea quercifolia & cvs - Oakleaf Hydrangea	19.15	
32 93 33 00-0252	EA	24" B&B Hydrangea quercifolia & cvs - Oakleaf Hydrangea	21.79	
32 93 33 00-0253	EA	30" B&B Hydrangea quercifolia & cvs - Oakleaf Hydrangea	25.75	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0254	EA	2 Gallon Hypericum kalmianum - St. John's Wort	13.41	
32 93 33 00-0255	EA	3 Gallon Hypericum kalmianun - Kalm St. John's Wort	15.85	
32 93 33 00-0256	EA	24" B&B Hypericum kalmianun - Kalm St. John's Wort	17.17	
32 93 33 00-0257	EA	1 Gallon Ilex "Carissa" - Holly	6.81	
32 93 33 00-0258	EA	2 Gallon Ilex "Carissa" - Holly	13.41	
32 93 33 00-0259	EA	5 Gallon Ilex "Carissa" - Holly	18.87	
32 93 33 00-0260	EA	18" To 24" Ilex - Gulftide Sweet Holly	18.09	
32 93 33 00-0261	EA	2' To 2-1/2' Ilex - Gulftide Sweet Holly	22.91	
32 93 33 00-0262	EA	2-1/2' To 3' Ilex - Gulftide Sweet Holly	29.72	
32 93 33 00-0263	EA	3' To 3-1/2' Ilex - Gulftide Sweet Holly	36.11	
32 93 33 00-0264	EA	3 Gallon Ilex cornuta - Dwarf Horned Holly	13.51	
32 93 33 00-0265	EA	1 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	6.81	
32 93 33 00-0266	EA	2 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	13.41	
32 93 33 00-0267	EA	5 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	19.44	
32 93 33 00-0268	EA	1 Gallon Ilex crenata - Hellers Japanese Holly	6.81	
32 93 33 00-0269	EA	2 Gallon Ilex crenata - Hellers Japanese Holly	14.90	
32 93 33 00-0270	EA	3 Gallon Ilex crenata - Hellers Japanese Holly	19.44	
32 93 33 00-0271	EA	2 Gallon Ilex crenata - Hetzi Japanese Holly	14.90	
32 93 33 00-0272	EA	3 Gallon Ilex crenata - Hetzi Japanese Holly	17.95	
32 93 33 00-0273	EA	2' To 3' Ilex crenata - Hetzi Japanese Holly	36.11	
32 93 33 00-0274	EA	3' To 4' Ilex crenata - Hetzi Japanese Holly	48.17	
32 93 33 00-0275	EA	2' To 3' Ilex opaca - American Holly	48.17	
32 93 33 00-0276	EA	3' To 4' Ilex opaca - American Holly	79.74	
32 93 33 00-0277	EA	4' To 5' Ilex opaca - American Holly	102.30	
32 93 33 00-0278	EA	5' To 6' Ilex opaca - American Holly	123.36	
32 93 33 00-0279	EA	6' To 7' Ilex opaca - American Holly	173.02	
32 93 33 00-0280	EA	7' To 8' Ilex opaca - American Holly	240.77	
32 93 33 00-0281	EA	8' To 10' Ilex opaca - American Holly	346.04	
32 93 33 00-0282	EA	10' To 12' Ilex opaca - American Holly	526.66	
32 93 33 00-0283	EA	12' To 14' Ilex opaca - American Holly	639.45	
32 93 33 00-0284	EA	14' To 16' Ilex opaca - American Holly	789.91	
32 93 33 00-0285	EA	2' To 3' Ilex verticillata - Winterberry (Female)	48.17	
32 93 33 00-0286	EA	3' To 4' Ilex verticillata - Winterberry (Female)	63.21	
32 93 33 00-0287	EA	2' To 3' Ilex verticillata - Winterberry (Male)	39.09	
32 93 33 00-0288	EA	3' To 4' Ilex verticillata - Winterberry (Male)	54.20	
32 93 33 00-0289	EA	4' To 5' Ilex verticillata - Winterberry (Male)	63.21	
32 93 33 00-0290	EA	1 Gallon Ilex vomitoria - Yaupon Holly	6.38	
32 93 33 00-0291	EA	3 Gallon Ilex vomitoria - Yaupon Holly	12.84	
32 93 33 00-0292	EA	10 Gallon Ilex vomitoria - Yaupon Holly	45.12	
32 93 33 00-0293	EA	18" B&B Ilex glabra compacta & cvs - Compact Inkberry Holly	20.47	
32 93 33 00-0294	EA	24" B&B Ilex glabra compacta & cvs - Compact Inkberry Holly	23.11	
32 93 33 00-0295	EA	3 Gallon Ilex meserveae & cvs - Blue Holly	26.41	
32 93 33 00-0296	EA	18" B&B Ilex meserveae & cvs - Blue Holly	24.43	
32 93 33 00-0297	EA	24" B&B Ilex meservae & cvs - Blue Holly	29.72	
32 93 33 00-0298	EA	5 Gallon Ilex verticillata & cvs - Common Winterberry	21.79	
32 93 33 00-0299	EA	24" B&B Ilex verticillata & cvs - Common Winterberry	21.79	
32 93 33 00-0300	EA	30" B&B Ilex verticillata & cvs - Common Winterberry	23.11	
32 93 33 00-0301	EA	36" B&B Ilex verticillata & cvs - Common Winterberry	27.73	
32 93 33 00-0302	EA	42" B&B Ilex verticillata & cvs - Common Winterberry	31.04	
32 93 33 00-0303	EA	48" B&B Ilex verticillata & cvs - Common Winterberry	33.02	
32 93 33 00-0304	EA	60" B&B Ilex verticillata & cvs - Common Winterberry	42.26	
32 93 33 00-0305	EA	4' To 5' Ilex x attenuata "Foster" - Holly	78.25	
32 93 33 00-0306	EA	5' To 6' Ilex x attenuata "Foster" - Holly	103.78	
32 93 33 00-0307	EA	6' To 7' Ilex x attenuata "Foster" - Holly	92.86	
32 93 33 00-0308	EA	7' To 8' Ilex x attenuata "Foster" - Holly	180.54	
32 93 33 00-0309	EA	1 Gallon Jasimnum - Jasmine	1.75	
32 93 33 00-0310	EA	3 Gallon Jasimnum - Jasmine	6.83	
32 93 33 00-0311	EA	3 Gallon Jasimnum - Orange Jasmine	5.32	
32 93 33 00-0312	EA	4' - 5' Jasimnum - Orange Jasmine	60.75	
32 93 33 00-0313	EA	6' - 7' Jasimnum - Orange Jasmine	121.50	
32 93 33 00-0314	EA	8' - 10' Jasimnum - Orange Jasmine	164.03	
32 93 33 00-0315	EA	3 Gallon Juniperus chinesis cvs - Chinese Juniper	23.11	
32 93 33 00-0316	EA	5 Gallon Juniperus chinesis cvs - Chinese Juniper	25.75	
32 93 33 00-0317	EA	18" B&B Juniperus chinesis cvs - Chinese Juniper	34.34	
32 93 33 00-0318	EA	24" B&B Juniperus chinesis cvs - Chinese Juniper	44.90	
32 93 33 00-0319	EA	30" B&B Juniperus chinesis cvs - Chinese Juniper	52.83	
32 93 33 00-0320	EA	36" B&B Juniperus chinesis cvs - Chinese Juniper	71.32	
32 93 33 00-0321	EA	48" B&B Juniperus chinesis cvs - Chinese Juniper	97.73	
32 93 33 00-0322	EA	1 Gallon Juniperus horizontalis cvs - Creeping Juniper	11.01	
32 93 33 00-0323	EA	3 Gallon Juniperus horizontalis cvs - Creeping Juniper	23.11	
32 93 33 00-0324	EA	5 Gallon Juniperus horizontalis cvs - Creeping Juniper	25.75	
32 93 33 00-0325	EA	15" B&B Juniperus horizontalis cvs - Creeping Juniper	27.73	
32 93 33 00-0326	EA	18" B&B Juniperus horizontalis cvs - Creeping Juniper	30.38	
32 93 33 00-0327	EA	24" B&B Juniperus horizontalis cvs - Creeping Juniper	36.98	
32 93 33 00-0328	EA	30" B&B Juniperus horizontalis cvs - Creeping Juniper	44.90	
32 93 33 00-0329	EA	3 Gallon Juniperus procumbens cvs - Japanese Garden Juniper	17.83	
32 93 33 00-0330	EA	18" B&B Juniperus procumbens cvs - Japanese Garden Juniper	21.13	
32 93 33 00-0331	EA	24" B&B Juniperus procumbens cvs - Japanese Garden Juniper	29.06	
32 93 33 00-0332	EA	30" B&B Juniperus procumbens cvs - Japanese Garden Juniper	36.98	
32 93 33 00-0333	EA	36" B&B Juniperus procumbens cvs - Japanese Garden Juniper	44.90	
32 93 33 00-0334	EA	3 Gallon Juniperus sabina cvs - Savin Juniper	16.51	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0335	EA	5 Gallon Juniperus sabina cvs - Savin Juniper	19.81	
32 93 33 00-0336	EA	4 Gallon Juniperus virginiana cvs - Red Cedar Juniper	17.17	
32 93 33 00-0337	EA	36" B&B Juniperus virginiana cvs - Red Cedar Juniper	33.02	
32 93 33 00-0338	EA	48" B&B Juniperus virginiana cvs - Red Cedar Juniper	51.51	
32 93 33 00-0339	EA	60" B&B Juniperus virginiana cvs - Red Cedar Juniper	64.71	
32 93 33 00-0340	EA	15" To 18" Kalmia latifolia - Mountain Laurel	27.10	
32 93 33 00-0341	EA	18" To 24" Kalmia latifolia - Mountain Laurel	36.11	
32 93 33 00-0342	EA	2' To 3' Kalmia latifolia - Mountain Laurel	52.64	
32 93 33 00-0343	EA	4' To 5' Kalmia latifolia - Mountain Laurel	96.26	
32 93 33 00-0344	EA	5' To 6' Kalmia latifolia - Mountain Laurel	147.48	
32 93 33 00-0345	EA	6' To 8' Kalmia latifolia - Mountain Laurel	225.73	
32 93 33 00-0346	EA	1 Gallon Kerria japonica - Kerria	6.03	
32 93 33 00-0347	EA	5 Gallon Kerria japonica - Kerria	18.87	
32 93 33 00-0348	EA	24" B&B Kolkwitzia amabilis & cvs - Beautybush	19.15	
32 93 33 00-0349	EA	30" B&B Kolkwitzia amabilis & cvs - Beautybush	21.79	
32 93 33 00-0350	EA	36" B&B Kolkwitzia amabilis & cvs - Beautybush	23.77	
32 93 33 00-0351	EA	42" B&B Kolkwitzia amabilis & cvs - Beautybush	27.73	
32 93 33 00-0352	EA	48" B&B Kolkwitzia amabilis & cvs - Beautybush	31.70	
32 93 33 00-0353	EA	60" B&B Kolkwitzia amabilis & cvs - Beautybush	39.62	
32 93 33 00-0354	EA	1 Gallon Lagerstroemia indica - Crepe Myrtle	4.54	
32 93 33 00-0355	EA	5 Gallon Lagerstroemia indica - Crepe Myrtle	16.17	
32 93 33 00-0356	EA	3' To 4' Lagerstroemia indica - Crepe Myrtle	22.56	
32 93 33 00-0357	EA	4' To 5' Lagerstroemia indica - Crepe Myrtle	33.13	
32 93 33 00-0358	EA	5' To 6' Lagerstroemia indica - Crepe Myrtle	52.64	
32 93 33 00-0359	EA	7' To 8' Lagerstroemia indica - Crepe Myrtle	68.35	
32 93 33 00-0360	EA	9' To 10' Lagerstroemia indica - Crepe Myrtle	91.13	
32 93 33 00-0361	EA	11' To 12' Lagerstroemia indica - Crepe Myrtle	189.85	
32 93 33 00-0362	EA	1 Gallon Leucothoe axillaris - Coast Leucothoe	6.81	
32 93 33 00-0363	EA	2 Gallon Leucothoe axillaris - Coast Leucothoe	14.90	
32 93 33 00-0364	EA	3 Gallon Leucothoe axillaris - Coast Leucothoe	17.95	
32 93 33 00-0365	EA	1 Gallon Ligustrum lucidum - Glossy Privet	4.19	
32 93 33 00-0366	EA	5 Gallon Ligustrum lucidum - Glossy Privet	12.84	
32 93 33 00-0367	EA	15 Gallon Ligustrum lucidum - Glossy Privet	60.16	
32 93 33 00-0368	EA	1 Gallon Ligustrum sinense - Variegated Chinese Privet	4.19	
32 93 33 00-0369	EA	2 Gallon Ligustrum sinense - Variegated Chinese Privet	9.01	
32 93 33 00-0370	EA	3 Gallon Ligustrum sinense - Variegated Chinese Privet	11.71	
32 93 33 00-0371	EA	36" B&B Ligustrum vulgare & cvs - Common Privet	19.81	
32 93 33 00-0372	EA	48" B&B Ligustrum vulgare & cvs - Common Privet	29.06	
32 93 33 00-0373	EA	60" B&B Ligustrum vulgare & cvs - Common Privet	36.98	
32 93 33 00-0374	EA	72" B&B Ligustrum vulgare & cvs - Common Privet	42.26	
32 93 33 00-0375	EA	5 Gallon Lindera benzoin - Spicebush	21.79	
32 93 33 00-0376	EA	36" B&B Lindera benzoin - Spicebush	18.49	
32 93 33 00-0377	EA	48" B&B Lindera benzoin - Spicebush	22.45	
32 93 33 00-0378	EA	2' To 3' Lonicera fragrantissima - Winter Honeysuckle	36.11	
32 93 33 00-0379	EA	3' To 4' Lonicera fragrantissima - Winter Honeysuckle	43.63	
32 93 33 00-0380	EA	30" B&B Lonicera tatarica & cvs - Tatarian Honeysuckle	19.81	
32 93 33 00-0381	EA	36" B&B Lonicera tatarica & cvs - Tatarian Honeysuckle	23.77	
32 93 33 00-0382	EA	42" B&B Lonicera tatarica & cvs - Tatarian Honeysuckle	26.41	
32 93 33 00-0383	EA	48" B&B Lonicera tatarica & cvs - Tatarian Honeysuckle	29.06	
32 93 33 00-0384	EA	1 Gallon Myrica cerifera - Wax Myrtle	3.80	
32 93 33 00-0385	EA	4 Gallon Myrica cerifera - Wax Myrtle	12.15	
32 93 33 00-0386	EA	7 Gallon Myrica cerifera - Wax Myrtle	26.58	
32 93 33 00-0387	EA	10 Gallon Myrica cerifera - Wax Myrtle	39.49	
32 93 33 00-0388	EA	15 Gallon Myrica cerifera - Wax Myrtle	60.75	
32 93 33 00-0389	EA	45 Gallon Myrica cerifera - Wax Myrtle	182.26	
32 93 33 00-0390	EA	1' - 2' Myrica cerifera - Wax Myrtle	5.32	
32 93 33 00-0391	EA	3' - 4' Myrica cerifera - Wax Myrtle	18.23	
32 93 33 00-0392	EA	5' - 6' Myrica cerifera - Wax Myrtle	33.41	
32 93 33 00-0393	EA	7' - 8' Myrica cerifera - Wax Myrtle	45.56	
32 93 33 00-0394	EA	9' - 10' Myrica cerifera - Wax Myrtle	60.75	
32 93 33 00-0395	EA	11' - 12' Myrica cerifera - Wax Myrtle	92.65	
32 93 33 00-0396	EA	3 Gallon Myrica pensylvanica - Northern Bayberry	19.81	
32 93 33 00-0397	EA	24" B&B Myrica pensylvanica - Northern Bayberry	32.36	
32 93 33 00-0398	EA	30" B&B Myrica pensylvanica - Northern Bayberry	47.54	
32 93 33 00-0399	EA	36" B&B Myrica pensylvanica - Northern Bayberry	56.79	
32 93 33 00-0400	EA	48" B&B Myrica pensylvanica - Northern Bayberry	59.43	
32 93 33 00-0401	EA	1 Gallon Nandina domestica - Heavenly Bamboo	6.81	
32 93 33 00-0402	EA	2 Gallon Nandina domestica - Heavenly Bamboo	14.90	
32 93 33 00-0403	EA	5 Gallon Nandina domestica - Heavenly Bamboo	22.56	
32 93 33 00-0404	EA	1 Gallon Osmanthus fragrans - Fragrant Tea Olive	4.19	
32 93 33 00-0405	EA	3 Gallon Osmanthus fragrans - Fragrant Tea Olive	11.35	
32 93 33 00-0406	EA	1 Gallon Philadelphus - Evergreen Mockorange	5.82	
32 93 33 00-0407	EA	5 Gallon Philadelphus - Evergreen Mockorange	18.87	
32 93 33 00-0408	EA	36" B&B Philadelphus x virginalis & cvs - Mockorange	19.81	
32 93 33 00-0409	EA	42" B&B Philadelphus x virginalis & cvs - Mockorange	23.11	
32 93 33 00-0410	EA	48" B&B Philadelphus x virginalis & cvs - Mockorange	26.41	
32 93 33 00-0411	EA	24" B&B Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	19.81	
32 93 33 00-0412	EA	30" B&B Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	23.11	
32 93 33 00-0413	EA	36" B&B Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	26.41	
32 93 33 00-0414	EA	42" B&B Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	33.02	
32 93 33 00-0415	EA	48" B&B Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	39.62	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0416	EA	12" To 15" Spread Pieris - Mountain Andromeda	18.23	
32 93 33 00-0417	EA	15" To 18" Spread Pieris - Mountain Andromeda	39.09	
32 93 33 00-0418	EA	12" To 15" Pieris japonica - Japanese Andromeda	23.69	
32 93 33 00-0419	EA	15" To 18" Pieris japonica - Japanese Andromeda	27.10	
32 93 33 00-0420	EA	18" To 24" Pieris japonica - Japanese Andromeda	33.91	
32 93 33 00-0421	EA	2' To 2-1/2' Pieris japonica - Japanese Andromeda	48.17	
32 93 33 00-0422	EA	2-1/2' To 3' Pieris japonica - Japanese Andromeda	57.18	
32 93 33 00-0423	EA	24" B&B Pinus mugo & cvs - Mugo Pine	33.02	
32 93 33 00-0424	EA	30" B&B Pinus mugo & cvs - Mugo Pine	42.26	
32 93 33 00-0425	EA	36" B&B Pinus mugo & cvs - Mugo Pine	50.85	
32 93 33 00-0426	EA	48" B&B Pinus mugo & cvs - Mugo Pine	65.37	
32 93 33 00-0427	EA	60" B&B Pinus mugo & cvs - Mugo Pine	78.58	
32 93 33 00-0428	EA	72" B&B Pinus mugo & cvs - Mugo Pine	114.90	
32 93 33 00-0429	EA	30" B&B Pinus mugo compacta - Dwarf Mugo Pine	71.32	
32 93 33 00-0430	EA	36" B&B Pinus mugo compacta - Dwarf Mugo Pine	85.85	
32 93 33 00-0431	EA	48" B&B Pinus mugo compacta - Dwarf Mugo Pine	114.24	
32 93 33 00-0432	EA	1 Gallon Pittosporum - Pittosporum	2.51	
32 93 33 00-0433	EA	3 Gallon Pittosporum - Pittosporum	6.45	
32 93 33 00-0434	EA	1 Gallon Pittosporum - Varigated Pittosporum	2.51	
32 93 33 00-0435	EA	3 Gallon Pittosporum - Varigated Pittosporum	6.45	
32 93 33 00-0436	EA	5 Gallon Pittosporum - Varigated Pittosporum	11.32	
32 93 33 00-0437	EA	2 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil	11.23	
32 93 33 00-0438	EA	5 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil	15.85	
32 93 33 00-0439	EA	18" B&B Potentilla fruticosa & cvs - Bush Cinquefoil	11.89	
32 93 33 00-0440	EA	24" B&B Potentilla fruticosa & cvs - Bush Cinquefoil	13.21	
32 93 33 00-0441	EA	30" B&B Potentilla fruticosa & cvs - Bush Cinquefoil	19.15	
32 93 33 00-0442	EA	36" B&B Potentilla fruticosa & cvs - Bush Cinquefoil	22.12	
32 93 33 00-0443	EA	1 Gallon Prunus caroliniana - Carolina Cherry Laurel	4.54	
32 93 33 00-0444	EA	3 Gallon Prunus caroliniana - Carolina Cherry Laurel	11.35	
32 93 33 00-0445	EA	15 Gallon Prunus caroliniana - Carolina Cherry Laurel	67.68	
32 93 33 00-0446	EA	15" To 18" Prunus laurocerasus - Cherry Laurel	17.31	
32 93 33 00-0447	EA	18" To 24" Prunus laurocerasus - Cherry Laurel	21.42	
32 93 33 00-0448	EA	24" To 30" Prunus laurocerasus - Cherry Laurel	27.88	
32 93 33 00-0449	EA	15" To 18" Prunus triloba - Double White Flowering Almond	15.46	
32 93 33 00-0450	EA	18" To 24" Prunus triloba - Double White Flowering Almond	19.79	
32 93 33 00-0451	EA	3' To 4' Prunus triloba - Double White Flowering Almond	31.57	
32 93 33 00-0452	EA	4' To 6' Prunus triloba - Double White Flowering Almond	63.21	
32 93 33 00-0453	EA	5 Gallon Prunus triloba - Pink Flowering Almond	19.01	
32 93 33 00-0454	EA	18" To 24" Prunus triloba - Pink Flowering Almond	21.35	
32 93 33 00-0455	EA	2' To 3' Prunus triloba - Pink Flowering Almond	24.83	
32 93 33 00-0456	EA	2' To 3' Prunus virginiana - Brilliant Chokeberry	16.88	
32 93 33 00-0457	EA	3' To 4' Prunus virginiana - Brilliant Chokeberry	20.71	
32 93 33 00-0458	EA	4' To 5' Prunus virginiana - Brilliant Chokeberry	24.83	
32 93 33 00-0459	EA	5' To 6' Prunus virginiana - Brilliant Chokeberry	28.45	
32 93 33 00-0460	EA	1 Gallon Punica granatum - Dwarf Pomegranate	4.47	
32 93 33 00-0461	EA	3 Gallon Punica granatum - Dwarf Pomegranate	13.20	
32 93 33 00-0462	EA	7 Gallon Punica granatum - Dwarf Pomegranate	27.10	
32 93 33 00-0463	EA	1 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha	5.68	
32 93 33 00-0464	EA	5 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha	18.87	
32 93 33 00-0465	EA	5 Gallon Espalier Pyracantha koidzumi "Santa Cruz" - Pyracantha	39.09	
32 93 33 00-0466	EA	1 Gallon Ralphiolepis indica - Indian Hawthorne	4.54	
32 93 33 00-0467	EA	2 Gallon Ralphiolepis indica - Indian Hawthorne	8.65	
32 93 33 00-0468	EA	5 Gallon Ralphiolepis indica - Indian Hawthorne	15.39	
32 93 33 00-0469	EA	4' To 5' Rhamnus frangula "Columnaris" - Tallhedge	34.62	
32 93 33 00-0470	EA	5' To 6' Rhamnus frangula "Columnaris" - Tallhedge	47.46	
32 93 33 00-0471	EA	6' To 8' Rhamnus frangula "Columnaris" - Tallhedge	61.72	
32 93 33 00-0472	EA	10' To 12' Rhamnus frangula "Columnaris" - Tallhedge	112.86	
32 93 33 00-0473	EA	1 Gallon Rhododendron - Azalea Evergreen Hybrids	7.38	
32 93 33 00-0474	EA	2 Gallon Rhododendron - Azalea Evergreen Hybrids	14.90	
32 93 33 00-0475	EA	3 Gallon Rhododendron - Azalea Evergreen Hybrids	19.44	
32 93 33 00-0476	EA	5 Gallon Rhododendron - Azalea Evergreen Hybrids	22.56	
32 93 33 00-0477	EA	15" To 18" Rhododendron - Azalea Evergreen Hybrids	26.39	
32 93 33 00-0478	EA	18" To 24" Rhododendron - Azalea Evergreen Hybrids	33.13	
32 93 33 00-0479	EA	2' To 2-1/2' Rhododendron - Azalea Evergreen Hybrids	48.17	
32 93 33 00-0480	EA	2-1/2' To 3' Rhododendron - Azalea Evergreen Hybrids	67.68	
32 93 33 00-0481	EA	1 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	8.30	
32 93 33 00-0482	EA	2 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	14.90	
32 93 33 00-0483	EA	15' To 18' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	25.61	
32 93 33 00-0484	EA	18" To 24" Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	33.13	
32 93 33 00-0485	EA	2' To 3' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	48.17	
32 93 33 00-0486	EA	3' To 4' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	70.73	
32 93 33 00-0487	EA	4' To 5' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	94.78	
32 93 33 00-0488	EA	5 Gallon Rhododendron - Boxleaf Azara	18.87	
32 93 33 00-0489	EA	15 Gallon Rhododendron - Boxleaf Azara	67.68	
32 93 33 00-0490	EA	15" To 18" Rhododendron - Carolina Rhododendron	21.35	
32 93 33 00-0491	EA	18" To 24" Rhododendron - Carolina Rhododendron	37.60	
32 93 33 00-0492	EA	24" To 30" Rhododendron - Carolina Rhododendron	55.69	
32 93 33 00-0493	EA	2' To 3' Rhododendron - Five-leafed Azalea	25.33	
32 93 33 00-0494	EA	3' To 4' Rhododendron - Five-leafed Azalea	33.13	
32 93 33 00-0495	EA	4' To 5' Rhododendron - Five-leafed Azalea	43.63	
32 93 33 00-0496	EA	15" To 18" Rhododendron - Ghent Azalea	25.33	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0497	EA	18" To 24" Rhododendron - Ghent Azalea	31.57	
32 93 33 00-0498	EA	2' To 3' Rhododendron - Ghent Azalea	51.15	
32 93 33 00-0499	EA	3' To 4' Rhododendron - Ghent Azalea	70.73	
32 93 33 00-0500	EA	4' To 5' Rhododendron - Ghent Azalea	94.78	
32 93 33 00-0501	EA	5' To 6' Rhododendron - Ghent Azalea	126.41	
32 93 33 00-0502	EA	1 Gallon Rhododendron - Hybrid Rhododendron	8.30	
32 93 33 00-0503	EA	2 Gallon Rhododendron - Hybrid Rhododendron	17.95	
32 93 33 00-0504	EA	3 Gallon Rhododendron - Hybrid Rhododendron	25.47	
32 93 33 00-0505	EA	5 Gallon Rhododendron - Hybrid Rhododendron	28.45	
32 93 33 00-0506	EA	15" To 18" Rhododendron - Hybrid Rhododendron	24.05	
32 93 33 00-0507	EA	18" To 24" Rhododendron - Hybrid Rhododendron	33.13	
32 93 33 00-0508	EA	24" To 30" Rhododendron - Hybrid Rhododendron	45.12	
32 93 33 00-0509	EA	30" To 36" Rhododendron - Hybrid Rhododendron	52.64	
32 93 33 00-0510	EA	36" To 42" Rhododendron - Hybrid Rhododendron	75.27	
32 93 33 00-0511	EA	42" To 48" Rhododendron - Hybrid Rhododendron	93.29	
32 93 33 00-0512	EA	15" To 18" Rhododendron - Pjm Rhododendron	27.10	
32 93 33 00-0513	EA	18" To 24" Rhododendron - Pjm Rhododendron	33.13	
32 93 33 00-0514	EA	2' To 2-1/2' Rhododendron - Pjm Rhododendron	48.17	
32 93 33 00-0515	EA	2-1/2 To 3' Rhododendron - Pjm Rhododendron	61.72	
32 93 33 00-0516	EA	3' To 3-1/2' Rhododendron - Pjm Rhododendron	75.27	
32 93 33 00-0517	EA	12" To 15" Rhododendron - Torch Azalea	21.07	
32 93 33 00-0518	EA	15" To 18" Rhododendron - Torch Azalea	25.33	
32 93 33 00-0519	EA	18" To 24" Rhododendron - Torch Azalea	31.57	
32 93 33 00-0520	EA	2' To 3' Rhododendron - Torch Azalea	52.64	
32 93 33 00-0521	EA	3 Gallon Rhododendron cvs - Lepidote Rhododendron	23.77	
32 93 33 00-0522	EA	5 Gallon Rhododendron cvs - Lepidote Rhododendron	29.06	
32 93 33 00-0523	EA	18" B&B Rhododendron cvs - Lepidote Rhododendron	35.66	
32 93 33 00-0524	EA	24" B&B Rhododendron cvs - Lepidote Rhododendron	44.90	
32 93 33 00-0525	EA	30" B&B Rhododendron cvs - Lepidote Rhododendron	52.83	
32 93 33 00-0526	EA	36" B&B Rhododendron cvs - Lepidote Rhododendron	63.39	
32 93 33 00-0527	EA	1 Gallon Rhus glabra - Dwarf Smooth Sumac	6.81	
32 93 33 00-0528	EA	5 Gallon Rhus glabra - Dwarf Smooth Sumac	18.87	
32 93 33 00-0529	EA	2 Gallon Rhus aromatica & cvs - Fragrant Sumac	15.85	
32 93 33 00-0530	EA	5 Gallon Rhus aromatica & cvs - Fragrant Sumac	21.79	
32 93 33 00-0531	EA	18" B&B Rhus aromatica & cvs - Fragrant Sumac	25.09	
32 93 33 00-0532	EA	24" B&B Rhus aromatica & cvs - Fragrant Sumac	33.02	
32 93 33 00-0533	EA	36" B&B Rhus glabra - Smooth Sumac	19.81	
32 93 33 00-0534	EA	48" B&B Rhus typhina & cvs - Staghorn Sumac	33.02	
32 93 33 00-0535	EA	72" B&B Rhus typhina & cvs - Staghorn Sumac	52.83	
32 93 33 00-0536	EA	15" B&B Ribes alpinum & cvs - Alpine Currant	17.83	
32 93 33 00-0537	EA	18" B&B Ribes alpinum & cvs - Alpine Currant	20.47	
32 93 33 00-0538	EA	24" B&B Ribes alpinum & cvs - Alpine Currant	29.72	
32 93 33 00-0539	EA	30" B&B Ribes alpinum & cvs - Alpine Currant	39.62	
32 93 33 00-0540	EA	1 Gallon Rosa hybrids & cvs - Shrub Rose	10.90	
32 93 33 00-0541	EA	2 Gallon Rosa hybrids & cvs - Shrub Rose	13.21	
32 93 33 00-0542	EA	3 Gallon Rosa hybrids & cvs - Shrub Rose	16.51	
32 93 33 00-0543	EA	2 Gallon Rosa rugosa & cvs - Rugosa Rose	11.89	
32 93 33 00-0544	EA	3 Gallon Rosa rugosa & cvs - Rugosa Rose	15.19	
32 93 33 00-0545	EA	5 Gallon Sambucus canadensis - American Elder	21.79	
32 93 33 00-0546	EA	2 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca	9.79	
32 93 33 00-0547	EA	3 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca	14.33	
32 93 33 00-0548	EA	1 Gallon Sarcococca humilis - Fragrant Sarcococca	5.32	
32 93 33 00-0549	EA	5 Gallon Sarcococca humilis - Fragrant Sarcococca	13.90	
32 93 33 00-0550	EA	1 Gallon Skimmia japonica - Japanese Skimmia	6.81	
32 93 33 00-0551	EA	2 Gallon Skimmia japonica - Japanese Skimmia	13.55	
32 93 33 00-0552	EA	5 Gallon Skimmia japonica - Japanese Skimmia	21.85	
32 93 33 00-0553	EA	3' To 4' Spiraea - Garland Spirea	31.57	
32 93 33 00-0554	EA	4' To 5' Spiraea - Garland Spirea	48.17	
32 93 33 00-0555	EA	5 Gallon Spiraea - Snowmound Spirea	18.87	
32 93 33 00-0556	EA	18" To 24" Spiraea - Snowmound Spirea	15.46	
32 93 33 00-0557	EA	2' To 3' Spiraea - Snowmound Spirea	21.85	
32 93 33 00-0558	EA	3' To 4' Spiraea - Snowmound Spirea	25.33	
32 93 33 00-0559	EA	4' To 5' Spiraea - Snowmound Spirea	43.63	
32 93 33 00-0560	EA	1 Gallon Spiraea japonica & cvs - Japanese Spirea	6.81	
32 93 33 00-0561	EA	2 Gallon Spiraea japonica & cvs - Japanese Spirea	13.41	
32 93 33 00-0562	EA	3 Gallon Spiraea japonica & cvs - Japanese Spirea	15.52	
32 93 33 00-0563	EA	5 Gallon Spiraea japonica & cvs - Japanese Spirea	16.84	
32 93 33 00-0564	EA	18" B&B Spiraea japonica & cvs - Japanese Spirea	17.17	
32 93 33 00-0565	EA	24" B&B Spiraea japonica & cvs - Japanese Spirea	19.81	
32 93 33 00-0566	EA	30" B&B Spiraea japonica & cvs - Japanese Spirea	22.45	
32 93 33 00-0567	EA	36" B&B Spiraea japonica & cvs - Japanese Spirea	26.08	
32 93 33 00-0568	EA	2 Gallon Spiraea nipponica & cvs - Nippon Spiraea	10.57	
32 93 33 00-0569	EA	5 Gallon Spiraea nipponica & cvs - Nippon Spiraea	15.85	
32 93 33 00-0570	EA	18" B&B Spiraea nipponica & cvs - Nippon Spiraea	14.53	
32 93 33 00-0571	EA	24" B&B Spiraea nipponica & cvs - Nippon Spiraea	17.17	
32 93 33 00-0572	EA	30" B&B Spiraea nipponica & cvs - Nippon Spiraea	19.81	
32 93 33 00-0573	EA	36" B&B Spiraea nipponica & cvs - Nippon Spiraea	22.45	
32 93 33 00-0574	EA	48" B&B Spiraea nipponica & cvs - Nippon Spiraea	29.06	
32 93 33 00-0575	EA	1 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	6.81	
32 93 33 00-0576	EA	2 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	12.22	
32 93 33 00-0577	EA	4 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	15.85	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0578	EA	18" B&B Spiraea x bumalda & cvs - Bumalda Spirea	13.87	
32 93 33 00-0579	EA	24" B&B Spiraea x bumalda & cvs - Bumalda Spirea	16.84	
32 93 33 00-0580	EA	30" B&B Spiraea x bumalda & cvs - Bumalda Spirea	19.81	
32 93 33 00-0581	EA	36" B&B Spiraea x bumalda & cvs - Bumalda Spirea	22.45	
32 93 33 00-0582	EA	5 Gallon Spiraea x vanhouttei & cvs - Vanhoutte Spirea	15.85	
32 93 33 00-0583	EA	18" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea	15.85	
32 93 33 00-0584	EA	24" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea	18.49	
32 93 33 00-0585	EA	30" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea	25.09	
32 93 33 00-0586	EA	36" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea	29.06	
32 93 33 00-0587	EA	42" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea	34.34	
32 93 33 00-0588	EA	5 Gallon Staphylea trifolia - Bladdernut	22.29	
32 93 33 00-0589	EA	2 Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra	15.85	
32 93 33 00-0590	EA	5 Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra	17.17	
32 93 33 00-0591	EA	24" B&B Stephanandra incisa & cvs - Cutleaf Stephanadra	19.81	
32 93 33 00-0592	EA	30" B&B Stephanandra incisa & cvs - Cutleaf Stephanadra	23.77	
32 93 33 00-0593	EA	2 Gallon Symphoricarpos albus - Common Snowberry	16.51	
32 93 33 00-0594	EA	5 Gallon Symphoricarpos albus - Common Snowberry	17.50	
32 93 33 00-0595	EA	24" B&B Syringa meyeri & cvs - Meyer Lilac	29.06	
32 93 33 00-0596	EA	30" B&B Syringa meyeri & cvs - Meyer Lilac	36.32	
32 93 33 00-0597	EA	36" B&B Syringa meyeri & cvs - Meyer Lilac	42.26	
32 93 33 00-0598	EA	42" B&B Syringa meyeri & cvs - Meyer Lilac	48.87	
32 93 33 00-0599	EA	18" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac	29.06	
32 93 33 00-0600	EA	24" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac	31.70	
32 93 33 00-0601	EA	30" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac	36.32	
32 93 33 00-0602	EA	36" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac	42.26	
32 93 33 00-0603	EA	42" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac	48.87	
32 93 33 00-0604	EA	60" B&B Syringa villosa & cvs - Late Lilac	23.11	
32 93 33 00-0605	EA	72" B&B Syringa villosa & cvs - Late Lilac	25.09	
32 93 33 00-0606	EA	36" B&B Syringa vulgaris & cvs - Common Lilac	19.81	
32 93 33 00-0607	EA	42' B&B Syringa vulgaris & cvs - Common Lilac	22.45	
32 93 33 00-0608	EA	48" B&B Syringa vulgaris & cvs - Common Lilac	25.09	
32 93 33 00-0609	EA	60" B&B Syringa vulgaris & cvs - Common Lilac	29.06	
32 93 33 00-0610	EA	72" B&B Syringa vulgaris & cvs - Common Lilac	35.66	
32 93 33 00-0611	EA	5 Gallon Syringa x chinensis & cvs - Chinese Lilac	16.51	
32 93 33 00-0612	EA	36" B&B Syringa x hyacinthiflora & cvs - Hybrid Lilac	19.15	
32 93 33 00-0613	EA	48" B&B Syringa x hyacinthiflora & cvs - Hybrid Lilac	25.09	
32 93 33 00-0614	EA	48" B&B Taxus cuspidata capitata - Capitata Japanese Yew	105.00	
32 93 33 00-0615	EA	54" B&B Taxus cuspidata capitata - Capitata Japanese Yew	117.54	
32 93 33 00-0616	EA	60" B&B Taxus cuspidata capitata - Capitata Japanese Yew	129.43	
32 93 33 00-0617	EA	72" B&B Taxus cuspidata capitata - Capitata Japanese Yew	155.84	
32 93 33 00-0618	EA	18" B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	27.73	
32 93 33 00-0619	EA	24" B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	36.32	
32 93 33 00-0620	EA	30" B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	42.26	
32 93 33 00-0621	EA	36" B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	46.22	
32 93 33 00-0622	EA	15" B&B Taxus x media & cvs - Anglojap Yew	27.73	
32 93 33 00-0623	EA	18" B&B Taxus x media & cvs - Anglojap Yew	36.32	
32 93 33 00-0624	EA	24" B&B Taxus x media & cvs - Anglojap Yew	42.92	
32 93 33 00-0625	EA	30" B&B Taxus x media & cvs - Anglojap Yew	50.85	
32 93 33 00-0626	EA	36" B&B Taxus x media & cvs - Anglojap Yew	76.60	
32 93 33 00-0627	EA	36" B&B Thuja occidentalis & cvs - Upright Arborvitae	42.26	
32 93 33 00-0628	EA	48" B&B Thuja occidentalis & cvs - Upright Arborvitae	56.79	
32 93 33 00-0629	EA	60" B&B Thuja occidentalis & cvs - Upright Arborvitae	85.85	
32 93 33 00-0630	EA	72" B&B Thuja occidentalis & cvs - Upright Arborvitae	125.47	
32 93 33 00-0631	EA	84" B&B Thuja occidentalis & cvs - Upright Arborvitae	143.96	
32 93 33 00-0632	EA	96" B&B Thuja occidentalis & cvs - Upright Arborvitae	167.07	
32 93 33 00-0633	EA	15" B&B Thuja occidentalis cvs - Dwarf Arborvitae	18.49	
32 93 33 00-0634	EA	18" B&B Thuja occidentalis cvs - Dwarf Arborvitae	25.75	
32 93 33 00-0635	EA	24" B&B Thuja occidentalis cvs - Dwarf Arborvitae	36.32	
32 93 33 00-0636	EA	3' To 4' Viburnum dilatatum - Linden Viburnum	31.57	
32 93 33 00-0637	EA	4' To 5' Viburnum dilatatum - Linden Viburnum	48.17	
32 93 33 00-0638	EA	5' To 6' Viburnum dilatatum - Linden Viburnum	63.21	
32 93 33 00-0639	EA	1 Gallon Viburnum japonicum - Japanese Viburnum	3.83	
32 93 33 00-0640	EA	3 Gallon Viburnum japonicum - Japanese Viburnum	10.50	
32 93 33 00-0641	EA	5 Gallon Viburnum plicatum - Japanese Snowball	18.87	
32 93 33 00-0642	EA	5' To 6' Viburnum plicatum - Japanese Snowball	70.73	
32 93 33 00-0643	EA	2' To 3' Viburnum rhytidophyllum - Leatherleaf Viburnum	33.13	
32 93 33 00-0644	EA	3' To 4' Viburnum rhytidophyllum - Leatherleaf Viburnum	39.09	
32 93 33 00-0645	EA	4' To 5' Viburnum rhytidophyllum - Leatherleaf Viburnum	54.98	
32 93 33 00-0646	EA	30" B&B Viburnum burkwoodii & cvs - Burkwood Viburnum	36.32	
32 93 33 00-0647	EA	36" B&B Viburnum burkwoodii & cvs - Burkwood Viburnum	43.58	
32 93 33 00-0648	EA	24" B&B Viburnum carlesii & cvs - Korean Spice Viburnum	33.02	
32 93 33 00-0649	EA	30" B&B Viburnum carlesii & cvs - Korean Spice Viburnum	39.62	
32 93 33 00-0650	EA	36" B&B Viburnum carlesii & cvs - Korean Spice Viburnum	46.22	
32 93 33 00-0651	EA	42" B&B Viburnum carlesii & cvs - Korean Spice Viburnum	52.83	
32 93 33 00-0652	EA	36" B&B Viburnum dentatum & cvs - Arrowwood Viburnum	18.49	
32 93 33 00-0653	EA	42" B&B Viburnum dentatum & cvs - Arrowwood Viburnum	19.81	
32 93 33 00-0654	EA	48" B&B Viburnum dentatum & cvs - Arrowwood Viburnum	23.11	
32 93 33 00-0655	EA	60" B&B Viburnum dentatum & cvs - Arrowwood Viburnum	26.41	
32 93 33 00-0656	EA	72" B&B Viburnum dentatum & cvs - Arrowwood Viburnum	29.06	
32 93 33 00-0657	EA	30" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	17.83	
32 93 33 00-0658	EA	36" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	19.81	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0659	EA	42" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	25.09	
32 93 33 00-0660	EA	48" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	29.06	
32 93 33 00-0661	EA	60" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	39.62	
32 93 33 00-0662	EA	72" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	47.54	
32 93 33 00-0663	EA	36" B&B Viburnum lentago & cvs - Nannyberry Viburnum	19.81	
32 93 33 00-0664	EA	48" B&B Viburnum lentago & cvs - Nannyberry Viburnum	26.41	
32 93 33 00-0665	EA	5' B&B Viburnum lentago & cvs - Nannyberry Viburnum	33.02	
32 93 33 00-0666	EA	6' B&B Viburnum lentago & cvs - Nannyberry Viburnum	46.22	
32 93 33 00-0667	EA	7' B&B Viburnum lentago & cvs - Nannyberry Viburnum	66.03	
32 93 33 00-0668	EA	8' B&B Viburnum lentago & cvs - Nannyberry Viburnum	92.45	
32 93 33 00-0669	EA	9' B&B Viburnum lentago & cvs - Nannyberry Viburnum	118.86	
32 93 33 00-0670	EA	30" B&B Viburnum plicatum tomentosum & cvs - Doublefile Viburnum	23.77	
32 93 33 00-0671	EA	36" B&B Viburnum plicatum tomentosum & cvs - Doublefile Viburnum	26.41	
32 93 33 00-0672	EA	36" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	47.54	
32 93 33 00-0673	EA	48" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	72.64	
32 93 33 00-0674	EA	60" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	92.45	
32 93 33 00-0675	EA	72" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	112.26	
32 93 33 00-0676	EA	84" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	138.67	
32 93 33 00-0677	EA	96" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	165.09	
32 93 33 00-0678	EA	108" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	198.10	
32 93 33 00-0679	EA	120" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	231.12	
32 93 33 00-0680	EA	30" B&B Viburnum sargenti & cvs - Sargent Viburnum	20.14	
32 93 33 00-0681	EA	36" B&B Viburnum sargenti & cvs - Sargent Viburnum	22.12	
32 93 33 00-0682	EA	48" B&B Viburnum sargenti & cvs - Sargent Viburnum	25.09	
32 93 33 00-0683	EA	60" B&B Viburnum sargenti & cvs - Sargent Viburnum	29.06	
32 93 33 00-0684	EA	72" B&B Viburnum sargenti & cvs - Sargent Viburnum	33.35	
32 93 33 00-0685	EA	18" B&B Viburnum trilobum & cvs - American Cranberry Viburnum	19.15	
32 93 33 00-0686	EA	24" B&B Viburnum trilobum & cvs - American Cranberry Viburnum	23.11	
32 93 33 00-0687	EA	30" B&B Viburnum trilobum & cvs - American Cranberry Viburnum	27.73	
32 93 33 00-0688	EA	36" B&B Viburnum trilobum & cvs - American Cranberry Viburnum	31.70	
32 93 33 00-0689	EA	42" B&B Viburnum trilobum & cvs - American Cranberry Viburnum	38.30	
32 93 33 00-0690	EA	48" B&B Viburnum trilobum & cvs - American Cranberry Viburnum	42.26	
32 93 33 00-0691	EA	30" B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum	33.02	
32 93 33 00-0692	EA	36" B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum	39.62	
32 93 33 00-0693	EA	42" B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum	46.22	
32 93 33 00-0694	EA	48" B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum	52.83	
32 93 33 00-0695	EA	60" B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum	59.43	
32 93 33 00-0696	EA	30" B&B Viburnum x juddii & cvs - Judd Viburnum	42.26	
32 93 33 00-0697	EA	36" B&B Viburnum x juddii & cvs - Judd Viburnum	47.54	
32 93 33 00-0698	EA	42" B&B Viburnum x juddii & cvs - Judd Viburnum	54.15	
32 93 33 00-0699	EA	48" B&B Viburnum x juddii & cvs - Judd Viburnum	62.07	
32 93 33 00-0700	EA	2' To 3' Viburum opulus "Roseum" - Fragrant Snowball	39.09	
32 93 33 00-0701	EA	3' To 4' Viburum opulus "Roseum" - Fragrant Snowball	48.17	
32 93 33 00-0702	EA	4' To 5' Viburum opulus "Roseum" - Fragrant Snowball	70.73	
32 93 33 00-0703	EA	5 Gallon Weigela florida & cvs - Old Fashioned Weigela	21.79	
32 93 33 00-0704	EA	24" B&B Weigela florida & cvs - Old Fashioned Weigela	19.81	
32 93 33 00-0705	EA	30" B&B Weigela florida & cvs - Old Fashioned Weigela	22.45	
32 93 33 00-0706	EA	36" B&B Weigela florida & cvs - Old Fashioned Weigela	25.09	
32 93 33 00-0707	EA	42" B&B Weigela florida & cvs - Old Fashioned Weigela	29.06	
32 93 33 00-0708	EA	48" B&B Weigela florida & cvs - Old Fashioned Weigela	33.02	
32 93 33 00-0709	EA	1 Gallon Xylosma congestum - Shiny Xylosma	4.54	
32 93 33 00-0710	EA	5 Gallon Xylosma congestum - Shiny Xylosma	12.84	
32 93 33 00-0711	EA	15 Gallon Xylosma congestum - Shiny Xylosma	56.47	
32 93 33 00-0712	EA	1 Gallon Yucca aloifolia - Spanish Bayonet	3.83	
32 93 33 00-0713	EA	3 Gallon Yucca aloifolia - Spanish Bayonet	10.14	
32 93 33 00-0714	EA	1 Gallon Yucca filamentosa - Adams Needle	5.32	
32 93 33 00-0715	EA	3 Gallon Yucca filamentosa - Adams Needle	10.36	
32 93 33 00-0716	EA	5 Gallon Yucca filamentosa - Adams Needle	16.39	
32 93 33 00-0717	EA	5 Gallon Border Forsythia - Goldenbells	18.23	
32 93 33 00-0718	EA	2' To 3' Border Forsythia - Goldenbells	15.04	
32 93 33 00-0719	EA	3' To 4' Border Forsythia - Goldenbells	19.01	
32 93 33 00-0720	EA	4' To 5' Border Forsythia - Goldenbells	23.69	
32 93 33 00-0721	EA	5' To 6' Border Forsythia - Goldenbells	28.45	
32 93 33 00-0722	EA	6' To 8' Border Forsythia - Goldenbells	39.09	
32 93 33 00-0723	EA	3' Juniperus chinensis - Columnar Chinese Juniper	38.73	
32 93 33 00-0724	EA	4' Juniperus chinensis - Columnar Chinese Juniper	53.16	
32 93 33 00-0725	EA	5' Juniperus chinensis - Columnar Chinese Juniper	83.53	
32 93 33 00-0726	EA	6' Juniperus chinensis - Columnar Chinese Juniper	97.20	
32 93 33 00-0727	EA	7' Juniperus chinensis - Columnar Chinese Juniper	127.58	
32 93 33 00-0728	EA	2 Gallon Chrysobalanus icaco - Cocoplum Red Tip	7.59	
32 93 33 00-0729	EA	3 Gallon Chrysobalanus icaco - Cocoplum Red Tip	10.63	
32 93 33 00-0730	EA	5 Gallon Chrysobalanus icaco - Cocoplum Red Tip	25.74	
32 93 33 00-0731	EA	2 Gallon Chrysobalanus icaco - Cocoplum Green Tip	7.59	
32 93 33 00-0732	EA	3 Gallon Chrysobalanus icaco - Cocoplum Green Tip	10.63	

32 93 43 Trees *(32 93)*

Note: (cvs = cultivar) materials only.

32 93 43 00-0001 Ornamental Trees *(32 93 43)*

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0002	EA	6' Clump Form Acer ginnala & cvs - Amur Maple	117.80	
32 93 43 00-0003	EA	7' Clump Form Acer ginnala & cvs - Amur Maple	143.98	
32 93 43 00-0004	EA	8' Clump Form Acer ginnala & cvs - Amur Maple	163.61	
32 93 43 00-0005	EA	10' Clump Form Acer ginnala & cvs - Amur Maple	189.79	
32 93 43 00-0006	EA	12' Clump Form Acer ginnala & cvs - Amur Maple	215.96	
32 93 43 00-0007	EA	14' Clump Form Acer ginnala & cvs - Amur Maple	255.23	
32 93 43 00-0008	EA	1-1/2" To 2" Caliper Acer griseum - Paperbark Maple	341.30	
32 93 43 00-0009	EA	2" To 2-1/2" Caliper Acer griseum - Paperbark Maple	418.84	
32 93 43 00-0010	EA	2-1/2" To 3" Caliper Acer griseum - Paperbark Maple	523.55	
32 93 43 00-0011	EA	5' Clump Form Acer griseum - Paperbark Maple	104.71	
32 93 43 00-0012	EA	1-1/2" Caliber Aesculus californica - California Buckeye	261.77	
32 93 43 00-0013	EA	2" Caliber Aesculus californica - California Buckeye	340.31	
32 93 43 00-0014	EA	2-1/2" Caliber Aesculus californica - California Buckeye	392.66	
32 93 43 00-0015	EA	3" Caliber Aesculus californica - California Buckeye	445.02	
32 93 43 00-0016	EA	3-1/2" Caliber Aesculus californica - California Buckeye	523.55	
32 93 43 00-0017	EA	36" B&B Amelanchier alnifolia & cvs - Saskatoon Serviceberry	52.83	
32 93 43 00-0018	EA	48" B&B Amelanchier alnifolia & cvs - Saskatoon Serviceberry	66.03	
32 93 43 00-0019	EA	60" B&B Amelanchier alnifolia & cvs - Saskatoon Serviceberry	81.88	
32 93 43 00-0020	EA	60" B&B Amelanchier arborea & cvs - Downy Serviceberry	66.03	
32 93 43 00-0021	EA	72" B&B Amelanchier arborea & cvs - Downy Serviceberry	79.24	
32 93 43 00-0022	EA	7' B&B Amelanchier arborea & cvs - Downy Serviceberry	92.45	
32 93 43 00-0023	EA	8' B&B Amelanchier arborea & cvs - Downy Serviceberry	105.66	
32 93 43 00-0024	EA	5' B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	118.86	
32 93 43 00-0025	EA	6' B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	132.07	
32 93 43 00-0026	EA	7' B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	151.88	
32 93 43 00-0027	EA	8' B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	171.69	
32 93 43 00-0028	EA	9' B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	198.10	
32 93 43 00-0029	EA	1-1/2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	130.89	
32 93 43 00-0030	EA	2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	183.24	
32 93 43 00-0031	EA	2-1/2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	196.33	
32 93 43 00-0032	EA	3" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	229.05	
32 93 43 00-0033	EA	6' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	163.61	
32 93 43 00-0034	EA	7' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	196.33	
32 93 43 00-0035	EA	8' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	229.05	
32 93 43 00-0036	EA	10' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	261.77	
32 93 43 00-0037	EA	12' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	294.50	
32 93 43 00-0038	EA	14' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	327.22	
32 93 43 00-0039	EA	7' B&B Amelanchier laevis & cvs - Allegheny Serviceberry	151.88	
32 93 43 00-0040	EA	8' B&B Amelanchier laevis & cvs - Allegheny Serviceberry	178.29	
32 93 43 00-0041	EA	9' B&B Amelanchier laevis & cvs - Allegheny Serviceberry	204.71	
32 93 43 00-0042	EA	10' B&B Amelanchier laevis & cvs - Allegheny Serviceberry	224.52	
32 93 43 00-0043	EA	30" B&B Amelanchier stolonifera & cvs - Running Serviceberry	52.83	
32 93 43 00-0044	EA	48" B&B Amelanchier stolonifera & cvs - Running Serviceberry	112.26	
32 93 43 00-0045	EA	60" B&B Amelanchier stolonifera & cvs - Running Serviceberry	145.28	
32 93 43 00-0046	EA	2' To 4' Amelemchier - Juneberry	16.08	
32 93 43 00-0047	EA	4' To 5' Amelemchier - Juneberry	16.87	
32 93 43 00-0048	EA	5' To 6' Amelemchier - Juneberry	20.08	
32 93 43 00-0049	EA	6' To 8' Amelemchier - Juneberry	23.96	
32 93 43 00-0050	EA	3' Clump Form Asimina triloba - Paw-Paw	91.62	
32 93 43 00-0051	EA	4' Clump Form Asimina triloba - Paw-Paw	104.71	
32 93 43 00-0052	EA	5' Clump Form Asimina triloba - Paw-Paw	143.98	
32 93 43 00-0053	EA	1-1/2" Caliper Carpinus caroliniana - American Hornbeam Ironwood	196.33	
32 93 43 00-0054	EA	2" Caliper Carpinus caroliniana - American Hornbeam Ironwood	229.05	
32 93 43 00-0055	EA	2-1/2" Caliper Carpinus caroliniana - American Hornbeam Ironwood	294.50	
32 93 43 00-0056	EA	5' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	117.80	
32 93 43 00-0057	EA	6' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	143.98	
32 93 43 00-0058	EA	7' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	196.33	
32 93 43 00-0059	EA	8' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	229.05	
32 93 43 00-0060	EA	10' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	274.86	
32 93 43 00-0061	EA	12' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	333.76	
32 93 43 00-0062	EA	14' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	379.57	
32 93 43 00-0063	EA	6' Cercis occidentalis - Western Redbud	73.30	
32 93 43 00-0064	EA	8' Cercis occidentalis - Western Redbud	100.85	
32 93 43 00-0065	EA	2-1/2" Caliper Cercis occidentalis - Western Redbud	207.72	
32 93 43 00-0066	EA	3" Caliper Cercis occidentalis - Western Redbud	252.87	
32 93 43 00-0067	EA	15 Gallon Cercis canadensis & cvs - Eastern Redbud	63.98	
32 93 43 00-0068	EA	20 Gallon Cercis canadensis & cvs - Eastern Redbud	79.98	
32 93 43 00-0069	EA	6' Clump Form Cercis canadensis & cvs - Eastern Redbud	157.06	
32 93 43 00-0070	EA	7' Clump Form Cercis canadensis & cvs - Eastern Redbud	215.96	
32 93 43 00-0071	EA	8' Clump Form Cercis canadensis & cvs - Eastern Redbud	274.86	
32 93 43 00-0072	EA	1-1/2" Caliper Cercis canadensis & cvs - Eastern Redbud	150.52	
32 93 43 00-0073	EA	2" Caliper Cercis canadensis & cvs - Eastern Redbud	176.70	
32 93 43 00-0074	EA	5' To 6' Chaenomeles - Orange Quince	41.34	
32 93 43 00-0075	EA	6' To 8' Chaenomeles - Orange Quince	51.68	
32 93 43 00-0076	EA	5' Clump Form Chionanthus virginicus - White Fringetree	130.89	
32 93 43 00-0077	EA	6' Clump Form Chionanthus virginicus - White Fringetree	163.61	
32 93 43 00-0078	EA	7' Clump Form Chionanthus virginicus - White Fringetree	209.42	
32 93 43 00-0079	EA	4' To 5' Cornus - Pink Or Red Flowering Dogwood	47.25	
32 93 43 00-0080	EA	5' To 6' Cornus - Pink Or Red Flowering Dogwood	59.06	
32 93 43 00-0081	EA	6' To 7' Cornus - Pink Or Red Flowering Dogwood	82.68	
32 93 43 00-0082	EA	7' To 8' Cornus - Pink Or Red Flowering Dogwood	106.31	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0083	EA	4' To 5' Cornus - White Flowering Dogwood	31.50	
32 93 43 00-0084	EA	5' To 6' Cornus - White Flowering Dogwood	47.25	
32 93 43 00-0085	EA	6' To 7' Cornus - White Flowering Dogwood	66.15	
32 93 43 00-0086	EA	3' To 4' Cornus kousa - Japanese Dogwood	31.50	
32 93 43 00-0087	EA	4' To 5' Cornus kousa - Japanese Dogwood	36.22	
32 93 43 00-0088	EA	5' To 6' Cornus kousa - Japanese Dogwood	47.25	
32 93 43 00-0089	EA	6' To 8' Cornus kousa - Japanese Dogwood	69.30	
32 93 43 00-0090	EA	8' To 10' Cornus kousa - Japanese Dogwood	94.49	
32 93 43 00-0091	EA	1-1/2" Caliper Cornus alternifolia & cvs - Pagoda Dogwood	150.52	
32 93 43 00-0092	EA	2" Caliper Cornus alternifolia & cvs - Pagoda Dogwood	183.24	
32 93 43 00-0093	EA	4' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	71.99	
32 93 43 00-0094	EA	5' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	91.62	
32 93 43 00-0095	EA	6' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	104.71	
32 93 43 00-0096	EA	7' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	117.80	
32 93 43 00-0097	EA	8' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	143.98	
32 93 43 00-0098	EA	4' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	71.99	
32 93 43 00-0099	EA	5' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	91.62	
32 93 43 00-0100	EA	6' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	111.25	
32 93 43 00-0101	EA	7' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	130.89	
32 93 43 00-0102	EA	8' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	183.24	
32 93 43 00-0103	EA	1-1/2" Caliper Cornus mas & cvs - Corneliancherry Dogwood	163.61	
32 93 43 00-0104	EA	2" Caliper Cornus mas & cvs - Corneliancherry Dogwood	196.33	
32 93 43 00-0105	EA	2-1/2" Caliper Cornus mas & cvs - Corneliancherry Dogwood	229.05	
32 93 43 00-0106	EA	1-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	130.89	
32 93 43 00-0107	EA	2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	163.61	
32 93 43 00-0108	EA	2-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	202.87	
32 93 43 00-0109	EA	3" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	229.05	
32 93 43 00-0110	EA	3-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	261.77	
32 93 43 00-0111	EA	4" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	294.50	
32 93 43 00-0112	EA	6' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	130.89	
32 93 43 00-0113	EA	7' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	157.06	
32 93 43 00-0114	EA	8' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	183.24	
32 93 43 00-0115	EA	10' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	229.05	
32 93 43 00-0116	EA	12' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	294.50	
32 93 43 00-0117	EA	1-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	104.71	
32 93 43 00-0118	EA	2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	117.80	
32 93 43 00-0119	EA	2-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	130.89	
32 93 43 00-0120	EA	3" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	150.52	
32 93 43 00-0121	EA	3-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	196.33	
32 93 43 00-0122	EA	4" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	222.51	
32 93 43 00-0123	EA	6' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	91.62	
32 93 43 00-0124	EA	7' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	111.25	
32 93 43 00-0125	EA	8' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	130.89	
32 93 43 00-0126	EA	10' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	163.61	
32 93 43 00-0127	EA	12' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	202.87	
32 93 43 00-0128	EA	14' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	242.14	
32 93 43 00-0129	EA	16' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	281.41	
32 93 43 00-0130	EA	1-1/2" Caliper Crataegus viridis - Winter King Hawthorn	104.71	
32 93 43 00-0131	EA	2" Caliper Crataegus viridis - Winter King Hawthorn	117.80	
32 93 43 00-0132	EA	2-1/2" Caliper Crataegus viridis - Winter King Hawthorn	163.61	
32 93 43 00-0133	EA	3" Caliper Crataegus viridis - Winter King Hawthorn	215.96	
32 93 43 00-0134	EA	6' Clump Form Crataegus viridis - Winter King Hawthorn	98.17	
32 93 43 00-0135	EA	7' Clump Form Crataegus viridis - Winter King Hawthorn	130.89	
32 93 43 00-0136	EA	8' Clump Form Crataegus viridis - Winter King Hawthorn	163.61	
32 93 43 00-0137	EA	10' Clump Form Crataegus viridis - Winter King Hawthorn	196.33	
32 93 43 00-0138	EA	4' Clump Form Hamamelis virginiana - Common Witchhazel	65.44	
32 93 43 00-0139	EA	5' Clump Form Hamamelis virginiana - Common Witchhazel	85.08	
32 93 43 00-0140	EA	6' Clump Form Hamamelis virginiana - Common Witchhazel	104.71	
32 93 43 00-0141	EA	7' Clump Form Hamamelis virginiana - Common Witchhazel	143.98	
32 93 43 00-0142	EA	8' Clump Form Hamamelis virginiana - Common Witchhazel	196.33	
32 93 43 00-0143	EA	1 Gallon Ilex Cassine - Casine Holly (Dahoon)	3.76	
32 93 43 00-0144	EA	5 Gallon Ilex Cassine - Casine Holly (Dahoon)	12.04	
32 93 43 00-0145	EA	4' To 5' Ilex Cassine - Casine Holly (Dahoon)	20.70	
32 93 43 00-0146	EA	6' To 7' Ilex Cassine - Casine Holly (Dahoon)	39.51	
32 93 43 00-0147	EA	8' To 9' Ilex Cassine - Casine Holly (Dahoon)	52.68	
32 93 43 00-0148	EA	10' To 12' Ilex Cassine - Casine Holly (Dahoon)	67.73	
32 93 43 00-0149	EA	2' To 3' Magnolia Virginiana - Sweetbay Magnolia	24.80	
32 93 43 00-0150	EA	3' To 4' Magnolia Virginiana - Sweetbay Magnolia	37.21	
32 93 43 00-0151	EA	4' To 5' Magnolia Virginiana - Sweetbay Magnolia	46.51	
32 93 43 00-0152	EA	5' To 6' Magnolia Virginiana - Sweetbay Magnolia	57.93	
32 93 43 00-0153	EA	4' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	98.17	
32 93 43 00-0154	EA	5' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	130.89	
32 93 43 00-0155	EA	6' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	170.15	
32 93 43 00-0156	EA	7' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	189.79	
32 93 43 00-0157	EA	9' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	255.23	
32 93 43 00-0158	EA	8' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	229.05	
32 93 43 00-0159	EA	4' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	98.17	
32 93 43 00-0160	EA	5' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	130.89	
32 93 43 00-0161	EA	6' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	170.15	
32 93 43 00-0162	EA	7' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	189.79	
32 93 43 00-0163	EA	8' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	229.05	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0164	EA	9' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	255.23	
32 93 43 00-0165	EA	4' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	98.17	
32 93 43 00-0166	EA	5' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	130.89	
32 93 43 00-0167	EA	6' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	170.15	
32 93 43 00-0168	EA	7' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	189.79	
32 93 43 00-0169	EA	8' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	229.05	
32 93 43 00-0170	EA	9' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	255.23	
32 93 43 00-0171	EA	4' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	98.17	
32 93 43 00-0172	EA	5' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	130.89	
32 93 43 00-0173	EA	6' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	170.15	
32 93 43 00-0174	EA	7' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	189.79	
32 93 43 00-0175	EA	8' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	229.05	
32 93 43 00-0176	EA	9' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	255.23	
32 93 43 00-0177	EA	4' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	98.17	
32 93 43 00-0178	EA	5' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	130.89	
32 93 43 00-0179	EA	6' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	170.15	
32 93 43 00-0180	EA	7' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	189.79	
32 93 43 00-0181	EA	8' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	229.05	
32 93 43 00-0182	EA	9' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	255.23	
32 93 43 00-0183	EA	5 Gallon Malus - Crabapple	26.58	
32 93 43 00-0184	EA	15 Gallon Malus - Crabapple	67.77	
32 93 43 00-0185	EA	20 Gallon Malus - Crabapple	79.73	
32 93 43 00-0186	EA	1-1/2" Caliper Malus cvs - Crabapple Varieties	78.53	
32 93 43 00-0187	EA	2" Caliper Malus cvs - Crabapple Varieties	104.71	
32 93 43 00-0188	EA	2-1/2" Caliper Malus cvs - Crabapple Varieties	130.89	
32 93 43 00-0189	EA	3" Caliper Malus cvs - Crabapple Varieties	157.06	
32 93 43 00-0190	EA	3-1/2" Caliper Malus cvs - Crabapple Varieties	183.24	
32 93 43 00-0191	EA	4" Caliper Malus cvs - Crabapple Varieties	209.42	
32 93 43 00-0192	EA	6' Clump Form Malus cvs - Crabapple Varieties	117.80	
32 93 43 00-0193	EA	7' Clump Form Malus cvs - Crabapple Varieties	130.89	
32 93 43 00-0194	EA	8' Clump Form Malus cvs - Crabapple Varieties	163.61	
32 93 43 00-0195	EA	10' Clump Form Malus cvs - Crabapple Varieties	183.24	
32 93 43 00-0196	EA	12' Clump Form Malus cvs - Crabapple Varieties	235.60	
32 93 43 00-0197	EA	1-1/2" Caliper Malus dwarf cvs - Dwarf Crabapple Cultivars	130.89	
32 93 43 00-0198	EA	2" Caliper Malus dwarf cvs - Dwarf Crabapple Cultivars	163.61	
32 93 43 00-0199	EA	4' Clump Form Malus dwarf cvs - Dwarf Crabapple	98.17	
32 93 43 00-0200	EA	5' Clump Form Malus dwarf cvs - Dwarf Crabapple	124.34	
32 93 43 00-0201	EA	6' Clump Form Malus dwarf cvs - Dwarf Crabapple	150.52	
32 93 43 00-0202	EA	7' Clump Form Malus dwarf cvs - Dwarf Crabapple	170.15	
32 93 43 00-0203	EA	8' Clump Form Malus dwarf cvs - Dwarf Crabapple	189.79	
32 93 43 00-0204	EA	9' Clump Form Malus dwarf cvs - Dwarf Crabapple	209.42	
32 93 43 00-0205	EA	4' To 5' Oxydendrum arboreum - Sourwood	60.04	
32 93 43 00-0206	EA	5' To 6' Oxydendrum arboreum - Sourwood	75.05	
32 93 43 00-0207	EA	6' To 7' Oxydendrum arboreum - Sourwood	90.06	
32 93 43 00-0208	EA	7' To 8' Oxydendrum arboreum - Sourwood	105.08	
32 93 43 00-0209	EA	1 Gallon Platanus Racemosa - California Sycamore	7.13	
32 93 43 00-0210	EA	5 Gallon Platanus Racemosa - California Sycamore	20.40	
32 93 43 00-0211	EA	15 Gallon Platanus Racemosa - California Sycamore	61.22	
32 93 43 00-0212	EA	24" Box Platanus Racemosa - California Sycamore	163.27	
32 93 43 00-0213	EA	1 Gallon Platanus racemosa, Multi Trunk - Western Sycamore	8.15	
32 93 43 00-0214	EA	5 Gallon Platanus racemosa, Multi Trunk - Western Sycamore	34.52	
32 93 43 00-0215	EA	20 Gallon Prunus subhirtella - Flowering Cherry	92.03	
32 93 43 00-0216	EA	1-1/2" To 2" Caliper Prunus subhirtella - Flowering Cherry	95.13	
32 93 43 00-0217	EA	2" To 2-1/2" Caliper Prunus subhirtella - Flowering Cherry	118.90	
32 93 43 00-0218	EA	3-1/2" To 4" Caliper Prunus subhirtella - Flowering Cherry	248.14	
32 93 43 00-0219	EA	3" To 3-1/2" Caliper Prunus subhirtella - Flowering Cherry	191.25	
32 93 43 00-0220	EA	4" To 5" Caliper Prunus subhirtella - Flowering Cherry	372.22	
32 93 43 00-0221	EA	5 Gallon Prunus cerasifera - Thundercloud Flowering Plum	23.77	
32 93 43 00-0222	EA	15 Gallon Prunus cerasifera - Thundercloud Flowering Plum	65.11	
32 93 43 00-0223	EA	20 Gallon Prunus cerasifera - Thundercloud Flowering Plum	84.80	
32 93 43 00-0224	EA	5' To 6' Prunus cerasifera - Thundercloud Flowering Plum	26.87	
32 93 43 00-0225	EA	6' To 8' Prunus cerasifera - Thundercloud Flowering Plum	51.68	
32 93 43 00-0226	EA	1-1/2" To 2" Caliper Prunus cerasifera - Thundercloud Flowering Plum	95.13	
32 93 43 00-0227	EA	2" To 2-1/2" Caliper Prunus cerasifera - Thundercloud Flowering Plum	113.74	
32 93 43 00-0228	EA	1-1/2" To 1-3/4" Caliper Prunus subhirtella - Weeping Cherry	74.46	
32 93 43 00-0229	EA	1-1/4" To 1-1/2" Caliper Prunus subhirtella - Weeping Cherry	62.01	
32 93 43 00-0230	EA	1-3/4" To 2" Caliper Prunus subhirtella - Weeping Cherry	90.95	
32 93 43 00-0231	EA	2" To 2-1/2" Caliper Prunus subhirtella - Weeping Cherry	108.57	
32 93 43 00-0232	EA	2-1/2" To 3" Caliper Prunus subhirtella - Weeping Cherry	139.58	
32 93 43 00-0233	EA	4' To 6' Prunus - Pigeon Plum	37.63	
32 93 43 00-0234	EA	8' To 10' Prunus - Pigeon Plum	127.94	
32 93 43 00-0235	EA	10' To 12' Prunus - Pigeon Plum	162.56	
32 93 43 00-0236	EA	14' To 16' Prunus - Pigeon Plum	255.88	
32 93 43 00-0237	EA	6' To 8' Prunus yedoensis - Yoshino Cherry	53.79	
32 93 43 00-0238	EA	1-1/2" To 2" Caliper Prunus yedoensis - Yoshino Cherry	82.73	
32 93 43 00-0239	EA	2" To 2-1/2" Caliper Prunus yedoensis - Yoshino Cherry	101.29	
32 93 43 00-0240	EA	2-1/2" To 3" Caliper Prunus yedoensis - Yoshino Cherry	129.24	
32 93 43 00-0241	EA	15 Gallon Pyrus - Aristocrat Flowering Pear	71.85	
32 93 43 00-0242	EA	20 Gallon Pyrus - Aristocrat Flowering Pear	89.82	
32 93 43 00-0243	EA	1-1/2" To 2" Caliper Pyrus - Aristocrat Flowering Pear	93.41	
32 93 43 00-0244	EA	2" To 2-1/2" Caliper Pyrus - Aristocrat Flowering Pear	111.37	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0245	EA	2-1/2" To 3" Caliper Pyrus - Aristocrat Flowering Pear	150.89	
32 93 43 00-0246	EA	3" To 3-1/2" Caliper Pyrus - Aristocrat Flowering Pear	197.60	
32 93 43 00-0247	EA	3-1/2" To 4" Caliper Pyrus - Aristocrat Flowering Pear	251.49	
32 93 43 00-0248	EA	15 Gallon Pyrus Calleryana x "Bradford" - Flowering Pear	71.85	
32 93 43 00-0249	EA	20 Gallon Pyrus Calleryana x "Bradford" - Flowering Pear	89.82	
32 93 43 00-0250	EA	1-1/2" To 2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	61.08	
32 93 43 00-0251	EA	2" To 2-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	93.41	
32 93 43 00-0252	EA	2-1/2" To 3" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	111.28	
32 93 43 00-0253	EA	3" To 3-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	150.89	
32 93 43 00-0254	EA	3-1/2" To 4" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	197.60	
32 93 43 00-0255	EA	1-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	130.89	
32 93 43 00-0256	EA	2" Caliper Pyrus calleryana & cvs - Callery Pear	163.61	
32 93 43 00-0257	EA	2-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	202.87	
32 93 43 00-0258	EA	3" Caliper Pyrus calleryana & cvs - Callery Pear	229.05	
32 93 43 00-0259	EA	3-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	255.23	
32 93 43 00-0260	EA	4" Caliper Pyrus calleryana & cvs - Callery Pear	327.22	
32 93 43 00-0261	EA	1 Gallon Quercus agrifolia - Coast Live Oak	7.13	
32 93 43 00-0262	EA	5 Gallon Quercus agrifolia - Coast Live Oak	20.40	
32 93 43 00-0263	EA	15 Gallon Quercus agrifolia - Coast Live Oak	61.22	
32 93 43 00-0264	EA	24" Box Quercus agrifolia - Coast Live Oak	214.29	
32 93 43 00-0265	EA	1 Gallon Rhamnus californica - Coffeeberry	7.13	
32 93 43 00-0266	EA	5 Gallon Rhamnus californica - Coffeeberry	20.40	
32 93 43 00-0267	EA	15 Gallon Rhamnus californica - Coffeeberry	61.22	
32 93 43 00-0268	EA	1 Gallon Rhus integrifolia - Lemonade Berry	7.13	
32 93 43 00-0269	EA	5 Gallon Rhus integrifolia - Lemonade Berry	20.40	
32 93 43 00-0270	EA	15 Gallon Rhus integrifolia - Lemonade Berry	61.22	
32 93 43 00-0271	EA	24" Box Rhus integrifolia - Lemonade Berry	204.09	
32 93 43 00-0272	EA	1 Gallon Ribes aureum - Golden Current	7.13	
32 93 43 00-0273	EA	5 Gallon Ribes aureum - Golden Current	20.40	
32 93 43 00-0274	EA	1 Gallon Ribes sanguineum - Red Flowering Currant	7.13	
32 93 43 00-0275	EA	5 Gallon Ribes sanguineum - Red Flowering Currant	20.40	
32 93 43 00-0276	EA	1 Gallon Ribes speciosum - Flowering Gooseberry	7.13	
32 93 43 00-0277	EA	5 Gallon Ribes speciosum - Flowering Gooseberry	20.40	
32 93 43 00-0278	EA	1 Gallon Ribes viburnifolium - Evergreen Currant	7.13	
32 93 43 00-0279	EA	5 Gallon Ribes viburnifolium - Evergreen Currant	20.40	
32 93 43 00-0280	EA	1-3/4" Caliper Sophora japonica - Japanese Pagoda	174.99	
32 93 43 00-0281	EA	2" Caliper Sophora japonica - Japanese Pagoda	196.86	
32 93 43 00-0282	EA	2-1/2" Caliper Sophora japonica - Japanese Pagoda	229.67	
32 93 43 00-0283	EA	3" Caliper Sophora japonica - Japanese Pagoda	335.92	
32 93 43 00-0284	EA	3-1/2" Caliper Sophora japonica - Japanese Pagoda	507.78	
32 93 43 00-0285	EA	1-1/2" Caliper Sorbus alnifolia - Korean Mountainash	130.89	
32 93 43 00-0286	EA	2" Caliper Sorbus alnifolia - Korean Mountainash	163.61	
32 93 43 00-0287	EA	2-1/2" Caliper Sorbus alnifolia - Korean Mountainash	202.87	
32 93 43 00-0288	EA	3" Caliper Sorbus alnifolia - Korean Mountainash	248.69	
32 93 43 00-0289	EA	3-1/2" Caliper Sorbus alnifolia - Korean Mountainash	301.04	
32 93 43 00-0290	EA	4" Caliper Sorbus alnifolia - Korean Mountainash	359.94	
32 93 43 00-0291	EA	1-1/2" Caliper Syringa reticulata & cvs - Japanese Tree Lilac	170.15	
32 93 43 00-0292	EA	2" Caliper Syringa reticulata & cvs - Japanese Tree Lilac	183.24	
32 93 43 00-0293	EA	2-1/2" Caliper Syringa reticulata & cvs - Japanese Tree Lilac	222.51	
32 93 43 00-0294	EA	4' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	104.71	
32 93 43 00-0295	EA	5' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	124.34	
32 93 43 00-0296	EA	6' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	143.98	
32 93 43 00-0297	EA	7' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	163.61	
32 93 43 00-0298	EA	8' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	189.79	
32 93 43 00-0299	EA	10' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	242.14	
32 93 43 00-0300	EA	12' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	274.86	
32 93 43 00-0301	EA	14' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	314.13	
32 93 43 00-0302	EA	8' Cassia leptophlia - Gold Medallion Tree	194.90	
32 93 43 00-0303	EA	10' Cassia leptophlia - Gold Medallion Tree	247.37	
32 93 43 00-0304	EA	12' Cassia leptophlia - Gold Medallion Tree	299.84	
32 93 43 00-0305	EA	6' Magnolia grandiflora 'St. Mary's'	224.88	
32 93 43 00-0306	EA	8' Magnolia grandiflora 'St. Mary's'	397.29	
32 93 43 00-0307	EA	10' Magnolia grandiflora 'St. Mary's'	499.23	
32 93 43 00-0308	EA	12' Magnolia grandiflora 'St. Mary's'	599.68	
32 93 43 00-0309	EA	14' Magnolia grandiflora 'St. Mary's'	697.13	
32 93 43 00-0310	EA	16' Magnolia grandiflora 'St. Mary's'	824.56	
32 93 43 00-0311	EA	24" Box Magnolia grandiflora 'St. Mary's'	247.37	
32 93 43 00-0312	EA	6' Prunus cerasifera - Purple Leaf Plum	116.94	
32 93 43 00-0313	EA	8' Prunus cerasifera - Purple Leaf Plum	134.93	
32 93 43 00-0314	EA	10' Prunus cerasifera - Purple Leaf Plum	173.91	
32 93 43 00-0315	EA	24" Box Prunus cerasifera - Purple Leaf Plum	185.15	
32 93 43 00-0316	EA	30" Box Prunus cerasifera - Purple Leaf Plum	374.80	
32 93 43 00-0317	EA	36" Box Prunus cerasifera - Purple Leaf Plum	574.94	
32 93 43 00-0318	EA	6' Pittosporum phillyraeoides - Willow Pittorporum	244.37	
32 93 43 00-0319	EA	8' Pittosporum phillyraeoides - Willow Pittorporum	349.31	
32 93 43 00-0320	EA	10' Pittosporum phillyraeoides - Willow Pittorporum	418.28	
32 93 43 00-0321	EA	12' Pittosporum phillyraeoides - Willow Pittorporum	539.71	
32 93 43 00-0322	EA	6' Stenocarpus sinuatus - Firewheel Tree	359.81	
32 93 43 00-0323	EA	8' Stenocarpus sinuatus - Firewheel Tree	479.74	
32 93 43 00-0324	EA	10" Stenocarpus sinuatus - Firewheel Tree	599.68	
32 93 43 00-0325	EA	12' Stenocarpus sinuatus - Firewheel Tree	719.62	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0326	EA	24" Box Tabebuia ipi - Pink Trumpet	349.31	
32 93 43 00-0327	EA	36" Box Tabebuia ipi - Pink Trumpet	929.50	
32 93 43 00-0328	EA	1-1/2" Caliber Arbutus menziesii - Madrona	260.73	
32 93 43 00-0329	EA	2" Caliber Arbutus menziesii - Madrona	338.95	
32 93 43 00-0330	EA	2-1/2" Caliber Arbutus menziesii - Madrona	391.10	
32 93 43 00-0331	EA	3" Caliber Arbutus menziesii - Madrona	443.24	
32 93 43 00-0332	EA	3-1/2" Caliber Arbutus menziesii - Madrona	521.46	
32 93 43 00-0333	EA	1-1/2" Caliber Koelreuteria bipinnata - Chinese Lantern	179.90	
32 93 43 00-0334	EA	2" Caliber Koelreuteria bipinnata - Chinese Lantern	292.34	
32 93 43 00-0335	EA	2-1/2" Caliber Koelreuteria bipinnata - Chinese Lantern	359.81	
32 93 43 00-0336	EA	3" Caliber Koelreuteria bipinnata - Chinese Lantern	397.29	
32 93 43 00-0337	EA	24" Box Koelreuteria bipinnata - Chinese Lantern	175.41	
32 93 43 00-0338	EA	30" Box Koelreuteria bipinnata - Chinese Lantern	404.78	
32 93 43 00-0339	EA	36" Box Koelreuteria bipinnata - Chinese Lantern	633.41	
32 93 43 00-0340	EA	1-1/2" Cliber Koelreuteria paniculata - Golden Rain Tree	163.41	
32 93 43 00-0341	EA	2" Cliber Koelreuteria paniculata - Golden Rain Tree	265.36	
32 93 43 00-0342	EA	2-1/2" Cliber Koelreuteria paniculata - Golden Rain Tree	325.33	
32 93 43 00-0343	EA	3" Cliber Koelreuteria paniculata - Golden Rain Tree	367.30	
32 93 43 00-0344	EA	6' Magnolia grandiflora - Southern Magnolia	110.94	
32 93 43 00-0345	EA	7' Magnolia grandiflora - Southern Magnolia	167.91	
32 93 43 00-0346	EA	8' Magnolia grandiflora - Southern Magnolia	235.37	
32 93 43 00-0347	EA	9' Magnolia grandiflora - Southern Magnolia	313.33	
32 93 43 00-0348	EA	10' Magnolia grandiflora - Southern Magnolia	476.75	
32 93 43 00-0349	EA	24" Box Magnolia grandiflora - Southern Magnolia	194.90	
32 93 43 00-0350	EA	1-1/2" Caliber Tipuana tipu - Tipu Tree	232.38	
32 93 43 00-0351	EA	2" Caliber Tipuana tipu - Tipu Tree	302.84	
32 93 43 00-0352	EA	2-1/2" Caliber Tipuana tipu - Tipu Tree	383.80	
32 93 43 00-0353	EA	3" Caliber Tipuana tipu - Tipu Tree	442.26	
32 93 43 00-0354	EA	3-1/2" Caliber Tipuana tipu - Tipu Tree	650.65	
32 93 43 00-0355	EA	4" Caliber Tipuana tipu - Tipu Tree	869.54	
32 93 43 00-0356	EA	24" Box Tipuana tipu - Tipu Tree	175.41	
32 93 43 00-0357	EA	6' Albizia julibrissin - Silk Tree	359.81	
32 93 43 00-0358	EA	8' Albizia julibrissin - Silk Tree	479.74	
32 93 43 00-0359	EA	10' Albizia julibrissin - Silk Tree	599.68	
32 93 43 00-0360	EA	12' Albizia julibrissin - Silk Tree	719.62	
32 93 43 00-0361	EA	6' Brachychiton acerifolius - Flame Tree	359.81	
32 93 43 00-0362	EA	8' Brachychiton acerifolius - Flame Tree	479.74	
32 93 43 00-0363	EA	10' Brachychiton acerifolius - Flame Tree	599.68	
32 93 43 00-0364	EA	12' Brachychiton acerifolius - Flame Tree	719.62	
32 93 43 00-0365	EA	1-1/2" Caliber Chilopsis linearis - Desert Willow	290.84	
32 93 43 00-0366	EA	2" Caliber Chilopsis linearis - Desert Willow	349.31	
32 93 43 00-0367	EA	2-1/2" Caliber Chilopsis linearis - Desert Willow	371.80	
32 93 43 00-0368	EA	3" Caliber Chilopsis linearis - Desert Willow	412.28	
32 93 43 00-0369	EA	5 Gallon Chionanthus retusus - Chinese Fringe Tree	14.99	
32 93 43 00-0370	EA	15 Gallon Chionanthus retusus - Chinese Fringe Tree	59.97	
32 93 43 00-0371	EA	24" Box Chionanthus retusus - Chinese Fringe Tree	299.84	
32 93 43 00-0372	EA	5 Gallon Calodendrum capense - Cape Chestnut	22.49	
32 93 43 00-0373	EA	15 Gallon Calodendrum capense - Cape Chestnut	89.95	
32 93 43 00-0374	EA	24" Box Calodendrum capense - Cape Chestnut	337.32	
32 93 43 00-0375	EA	6' Chionanthus virginicus - White Fringe Tree	179.90	
32 93 43 00-0376	EA	8' Chionanthus virginicus - White Fringe Tree	210.73	
32 93 43 00-0377	EA	10' Chionanthus virginicus - White Fringe Tree	293.51	
32 93 43 00-0378	EA	15 Gallon Geijera parvifolia - Australian Willow	90.31	
32 93 43 00-0379	EA	24" Box Geijera parvifolia - Australian Willow	185.89	
32 93 43 00-0380	EA	30" Box Geijera parvifolia - Australian Willow	346.20	
32 93 43 00-0381	EA	36" Box Geijera parvifolia - Australian Willow	496.72	
32 93 43 00-0382	EA	1-1/2" Caliber Ginko Biloba - Maidenhair Tree	267.93	
32 93 43 00-0383	EA	2" Caliber Ginko Biloba - Maidenhair Tree	373.29	
32 93 43 00-0384	EA	2-1/2" Caliber Ginko Biloba - Maidenhair Tree	450.05	
32 93 43 00-0385	EA	3" Caliber Ginko Biloba - Maidenhair Tree	525.31	
32 93 43 00-0386	EA	3-1/2" Caliber Ginko Biloba - Maidenhair Tree	687.88	
32 93 43 00-0387	EA	4" Caliber Ginko Biloba - Maidenhair Tree	734.54	
32 93 43 00-0388	EA	4-1/2" Caliber Ginko Biloba - Maidenhair Tree	782.70	
32 93 43 00-0389	EA	24" Box Ginko Biloba - Maidenhair Tree	244.60	
32 93 43 00-0390	EA	15 Gallon Sapium sebiferum - Chinese Tallow Tree	90.31	
32 93 43 00-0391	EA	24" Box Sapium sebiferum - Chinese Tallow Tree	331.14	
32 93 43 00-0392	EA	4' To 5' Lagerstroemia indica - Crape Myrtle	96.33	
32 93 43 00-0393	EA	6' Lagerstroemia indica - Crape Myrtle	179.12	
32 93 43 00-0394	EA	8' Lagerstroemia indica - Crape Myrtle	185.14	
32 93 43 00-0395	EA	10' Lagerstroemia indica - Crape Myrtle	224.27	
32 93 43 00-0396	EA	24" Box Lagerstroemia indica - Crape Myrtle	176.11	
32 93 43 00-0397		**Shade Trees** *(32 93 43)* Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.		
32 93 43 00-0398	EA	3-1/2" To 4" Caliper Acer palmatum - Bloodgood Japanese Maple	292.02	
32 93 43 00-0399	EA	4" To 4-1/2" Caliper Acer palmatum - Bloodgood Japanese Maple	357.96	
32 93 43 00-0400	EA	4-1/2" To 5" Caliper Acer palmatum - Bloodgood Japanese Maple	466.29	
32 93 43 00-0401	EA	5" To 6" Caliper Acer palmatum - Bloodgood Japanese Maple	604.45	
32 93 43 00-0402	EA	2' To 2-1/2' Acer palmatum - Japanese Maple	30.80	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0403	EA	4' To 5' Acer palmatum - Japanese Maple	64.68	
32 93 43 00-0404	EA	5' To 6' Acer palmatum - Japanese Maple	84.70	
32 93 43 00-0405	EA	6' To 7' Acer palmatum - Japanese Maple	154.00	
32 93 43 00-0406	EA	7' To 8' Acer palmatum - Japanese Maple	215.60	
32 93 43 00-0407	EA	8' To 10' Acer palmatum - Japanese Maple	277.21	
32 93 43 00-0408	EA	10' To 12' Acer palmatum - Japanese Maple	369.61	
32 93 43 00-0409	EA	2" Caliper Acer platanoides & cvs - Norway Maple	157.00	
32 93 43 00-0410	EA	2" Caliper Acer platanoides & cvs - Norway Maple	191.13	
32 93 43 00-0411	EA	3" Caliper Acer platanoides & cvs - Norway Maple	245.74	
32 93 43 00-0412	EA	3-1/2" Caliper Acer platanoides & cvs - Norway Maple	286.70	
32 93 43 00-0413	EA	4" Caliper Acer platanoides & cvs - Norway Maple	307.17	
32 93 43 00-0414	EA	4-1/2" Caliper Acer platanoides & cvs - Norway Maple	334.48	
32 93 43 00-0415	EA	5" Caliper Acer platanoides & cvs - Norway Maple	375.43	
32 93 43 00-0416	EA	2" Caliper Acer rubrum & cvs - Red Maple	150.17	
32 93 43 00-0417	EA	2-1/2" Caliper Acer rubrum & cvs - Red Maple	191.13	
32 93 43 00-0418	EA	3" Caliper Acer rubrum & cvs - Red Maple	245.74	
32 93 43 00-0419	EA	3-1/2" Caliper Acer rubrum & cvs - Red Maple	300.35	
32 93 43 00-0420	EA	4" Caliper Acer rubrum & cvs - Red Maple	341.30	
32 93 43 00-0421	EA	4-1/2" Caliper Acer rubrum & cvs - Red Maple	395.91	
32 93 43 00-0422	EA	5" Caliper Acer rubrum & cvs - Red Maple	443.70	
32 93 43 00-0423	EA	8' Clump Form Acer rubrum & cvs - Red Maple	184.30	
32 93 43 00-0424	EA	10' Clump Form Acer rubrum & cvs - Red Maple	245.74	
32 93 43 00-0425	EA	12' Clump Form Acer rubrum & cvs - Red Maple	286.70	
32 93 43 00-0426	EA	14' Clump Form Acer rubrum & cvs - Red Maple	327.65	
32 93 43 00-0427	EA	16' Clump Form Acer rubrum & cvs - Red Maple	368.61	
32 93 43 00-0428	EA	18' Clump Form Acer rubrum & cvs - Red Maple	409.57	
32 93 43 00-0429	EA	2" Caliper Acer saccharinum & cvs - Silver Maple	122.87	
32 93 43 00-0430	EA	2-1/2" Caliper Acer saccharinum & cvs - Silver Maple	163.83	
32 93 43 00-0431	EA	3" Caliper Acer saccharinum & cvs - Silver Maple	204.78	
32 93 43 00-0432	EA	3-1/2" Caliper Acer saccharinum & cvs - Silver Maple	245.74	
32 93 43 00-0433	EA	4" Caliper Acer saccharinum & cvs - Silver Maple	286.70	
32 93 43 00-0434	EA	4-1/2" Caliper Acer saccharinum & cvs - Silver Maple	327.65	
32 93 43 00-0435	EA	5" Caliper Acer saccharinum & cvs - Silver Maple	368.61	
32 93 43 00-0436	EA	2" Caliper Acer saccharum & cvs - Sugar Maple	150.17	
32 93 43 00-0437	EA	2-1/2" Caliper Acer saccharum & cvs - Sugar Maple	197.96	
32 93 43 00-0438	EA	3" Caliper Acer saccharum & cvs - Sugar Maple	238.91	
32 93 43 00-0439	EA	3-1/2" Caliper Acer saccharum & cvs - Sugar Maple	273.04	
32 93 43 00-0440	EA	4" Caliper Acer saccharum & cvs - Sugar Maple	320.83	
32 93 43 00-0441	EA	4-1/2" Caliper Acer saccharum & cvs - Sugar Maple	368.61	
32 93 43 00-0442	EA	5" Caliper Acer saccharum & cvs - Sugar Maple	409.57	
32 93 43 00-0443	EA	10' Clump Form Acer saccharum & cvs - Sugar Maple	273.04	
32 93 43 00-0444	EA	12' Clump Form Acer saccharum & cvs - Sugar Maple	320.83	
32 93 43 00-0445	EA	14' Clump Form Acer saccharum & cvs - Sugar Maple	375.43	
32 93 43 00-0446	EA	16' Clump Form Acer saccharum & cvs - Sugar Maple	416.39	
32 93 43 00-0447	EA	18' Clump Form Acer saccharum & cvs - Sugar Maple	505.13	
32 93 43 00-0448	EA	20' Clump Form Acer saccharum & cvs - Sugar Maple	546.09	
32 93 43 00-0449	EA	2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	170.65	
32 93 43 00-0450	EA	2-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	211.61	
32 93 43 00-0451	EA	3" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	259.39	
32 93 43 00-0452	EA	3-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	300.35	
32 93 43 00-0453	EA	4" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	327.65	
32 93 43 00-0454	EA	4-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	361.78	
32 93 43 00-0455	EA	5" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	402.74	
32 93 43 00-0456	EA	10' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	245.74	
32 93 43 00-0457	EA	12' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	324.92	
32 93 43 00-0458	EA	14' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	378.17	
32 93 43 00-0459	EA	16' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	416.39	
32 93 43 00-0460	EA	18' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	505.13	
32 93 43 00-0461	EA	20' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	546.09	
32 93 43 00-0462	EA	2" Caliper Aesculus glabra - Ohio Buckeye	184.30	
32 93 43 00-0463	EA	2-1/2" Caliper Aesculus glabra - Ohio Buckeye	218.43	
32 93 43 00-0464	EA	3" Caliper Aesculus glabra - Ohio Buckeye	259.39	
32 93 43 00-0465	EA	3-1/2" Caliper Aesculus glabra - Ohio Buckeye	286.70	
32 93 43 00-0466	EA	4" Caliper Aesculus glabra - Ohio Buckeye	314.00	
32 93 43 00-0467	EA	4-1/2" Caliper Aesculus glabra - Ohio Buckeye	354.96	
32 93 43 00-0468	EA	5" Caliper Aesculus glabra - Ohio Buckeye	409.57	
32 93 43 00-0469	EA	2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	238.91	
32 93 43 00-0470	EA	2-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	266.22	
32 93 43 00-0471	EA	3" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	300.35	
32 93 43 00-0472	EA	3-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	341.30	
32 93 43 00-0473	EA	4" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	409.57	
32 93 43 00-0474	EA	2" Caliper Aesculus x carnea - Red Horsechestnut	238.91	
32 93 43 00-0475	EA	2-1/2" Caliper Aesculus x carnea - Red Horsechestnut	266.22	
32 93 43 00-0476	EA	3" Caliper Aesculus x carnea - Red Horsechestnut	300.35	
32 93 43 00-0477	EA	3-1/2" Caliper Aesculus x carnea - Red Horsechestnut	341.30	
32 93 43 00-0478	EA	4" Caliper Aesculus x carnea - Red Horsechestnut	409.57	
32 93 43 00-0479	EA	2" Caliper Alnus glutinosa - Common Alder, Black Alder	170.65	
32 93 43 00-0480	EA	2-1/2" Caliper Alnus glutinosa - Common Alder, Black Alder	197.96	
32 93 43 00-0481	EA	3" Caliper Alnus glutinosa - Common Alder, Black Alder	225.26	
32 93 43 00-0482	EA	3-1/2" Caliper Alnus glutinosa - Common Alder, Black Alder	259.39	
32 93 43 00-0483	EA	8' Clump Form Alnus glutinosa - Common Alder, Black Alder	177.48	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0484	EA	10' Clump Form Alnus glutinosa - Common Alder, Black Alder	218.43	
32 93 43 00-0485	EA	12' Clump Form Alnus glutinosa - Common Alder, Black Alder	245.74	
32 93 43 00-0486	EA	14' Clump Form Alnus glutinosa - Common Alder, Black Alder	273.04	
32 93 43 00-0487	EA	16' Clump Form Alnus glutinosa - Common Alder, Black Alder	307.17	
32 93 43 00-0488	EA	18' Clump Form Alnus glutinosa - Common Alder, Black Alder	341.30	
32 93 43 00-0489	EA	2" Caliper Betula nigra - River Birch	170.65	
32 93 43 00-0490	EA	2-1/2" Caliper Betula nigra - River Birch	193.25	
32 93 43 00-0491	EA	3" Caliper Betula nigra - River Birch	218.43	
32 93 43 00-0492	EA	3-1/2" Caliper Betula nigra - River Birch	273.04	
32 93 43 00-0493	EA	4" Caliper Betula nigra - River Birch	307.17	
32 93 43 00-0494	EA	4-1/2" Caliper Betula nigra - River Birch	341.30	
32 93 43 00-0495	EA	5" Caliper Betula nigra - River Birch	375.43	
32 93 43 00-0496	EA	8' Clump Form Betula nigra - River Birch	157.00	
32 93 43 00-0497	EA	10' Clump Form Betula nigra - River Birch	177.48	
32 93 43 00-0498	EA	12' Clump Form Betula nigra - River Birch	204.78	
32 93 43 00-0499	EA	14' Clump Form Betula nigra - River Birch	238.91	
32 93 43 00-0500	EA	16' Clump Form Betula nigra - River Birch	273.04	
32 93 43 00-0501	EA	12' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	204.78	
32 93 43 00-0502	EA	14' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	245.74	
32 93 43 00-0503	EA	16' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	286.70	
32 93 43 00-0504	EA	18' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	341.30	
32 93 43 00-0505	EA	20' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	354.96	
32 93 43 00-0506	EA	10' - 12' Bursera Simaruba - Gumbo Limbo	86.35	
32 93 43 00-0507	EA	12' - 14' Bursera Simaruba - Gumbo Limbo	102.05	
32 93 43 00-0508	EA	14' - 16' Bursera Simaruba - Gumbo Limbo	141.30	
32 93 43 00-0509	EA	17' - 18' Bursera Simaruba - Gumbo Limbo	183.69	
32 93 43 00-0510	EA	19' - 20' Bursera Simaruba - Gumbo Limbo	204.10	
32 93 43 00-0511	EA	21' - 22' Bursera Simaruba - Gumbo Limbo	241.78	
32 93 43 00-0512	EA	2" Caliper Carpinus betulus & cvs - European Hornbeam	273.04	
32 93 43 00-0513	EA	2-1/2" Caliper Carpinus betulus & cvs - European Hornbeam	307.17	
32 93 43 00-0514	EA	3" Caliper Carpinus betulus & cvs - European Hornbeam	354.96	
32 93 43 00-0515	EA	3-1/2" Caliper Carpinus betulus & cvs - European Hornbeam	430.04	
32 93 43 00-0516	EA	6' Clump Form Carpinus betulus & cvs - European Hornbeam	122.87	
32 93 43 00-0517	EA	7' Clump Form Carpinus betulus & cvs - European Hornbeam	170.65	
32 93 43 00-0518	EA	8' Clump Form Carpinus betulus & cvs - European Hornbeam	211.61	
32 93 43 00-0519	EA	2" Caliber Catalpa speciosa - Western Catalpa	150.17	
32 93 43 00-0520	EA	2-1/2" Caliber Catalpa speciosa - Western Catalpa	204.78	
32 93 43 00-0521	EA	3" Caliber Catalpa speciosa - Western Catalpa	266.22	
32 93 43 00-0522	EA	3-1/2" Caliber Catalpa speciosa - Western Catalpa	320.83	
32 93 43 00-0523	EA	4" Caliber Catalpa speciosa - Western Catalpa	368.61	
32 93 43 00-0524	EA	2" Caliper Celtis occidentalis & cvs - Common Hackberry	191.13	
32 93 43 00-0525	EA	2-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry	218.43	
32 93 43 00-0526	EA	3" Caliper Celtis occidentalis & cvs - Common Hackberry	266.22	
32 93 43 00-0527	EA	3-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry	314.00	
32 93 43 00-0528	EA	4" Caliper Celtis occidentalis & cvs - Common Hackberry	361.78	
32 93 43 00-0529	EA	4-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry	409.57	
32 93 43 00-0530	EA	3" Caliper Cercidiphyllum japonicum - Katsuratree	238.91	
32 93 43 00-0531	EA	3-1/2" Caliper Cercidiphyllum japonicum - Katsuratree	273.04	
32 93 43 00-0532	EA	4" Caliper Cercidiphyllum japonicum - Katsuratree	320.83	
32 93 43 00-0533	EA	5" Caliper Cercidiphyllum japonicum - Katsuratree	382.26	
32 93 43 00-0534	EA	6' Clump Form Cercidiphyllum japonicum - Katsuratree	191.13	
32 93 43 00-0535	EA	7' Clump Form Cercidiphyllum japonicum - Katsuratree	225.26	
32 93 43 00-0536	EA	8' Clump Form Cercidiphyllum japonicum - Katsuratree	273.04	
32 93 43 00-0537	EA	10' Clump Form Cercidiphyllum japonicum - Katsuratree	341.30	
32 93 43 00-0538	EA	12' Clump Form Cercidiphyllum japonicum - Katsuratree	409.57	
32 93 43 00-0539	EA	2" Caliper Cladrastus lutea - American Yellowwood	341.30	
32 93 43 00-0540	EA	2-1/2" Caliper Cladrastus lutea - American Yellowwood	409.57	
32 93 43 00-0541	EA	3" Caliper Cladrastus lutea - American Yellowwood	477.83	
32 93 43 00-0542	EA	3-1/2" Caliper Cladrastus lutea - American Yellowwood	546.09	
32 93 43 00-0543	EA	2" Caliper Corylus colurna californica - Western Turkish Filbert	211.61	
32 93 43 00-0544	EA	2-1/2" Caliper Corylus colurna californica - Western Turkish Filbert	238.91	
32 93 43 00-0545	EA	3" Caliper Corylus colurna californica - Western Turkish Filbert	273.04	
32 93 43 00-0546	EA	3-1/2" Caliper Corylus colurna californica - Western Turkish Filbert	314.00	
32 93 43 00-0547	EA	4" Caliper Corylus colurna californica - Western Turkish Filbert	375.43	
32 93 43 00-0548	EA	4-1/2" Caliper Corylus colurna californica - Western Turkish Filbert	436.87	
32 93 43 00-0549	EA	5" Caliper Corylus colurna californica - Western Turkish Filbert	498.30	
32 93 43 00-0550	EA	8' Clump Form Corylus cornuta californica - Western Filbert	191.13	
32 93 43 00-0551	EA	10' Clump Form Corylus cornuta californica - Western Filbert	232.09	
32 93 43 00-0552	EA	12' Clump Form Corylus cornuta californica - Western Filbert	273.04	
32 93 43 00-0553	EA	Corylus colurna californica - Western Turkish Filbert 14 feet, clump form	307.17	
32 93 43 00-0554	EA	Corylus colurna californica - Western Turkish Filbert 16 feet, clump form	341.30	
32 93 43 00-0555	EA	1-1/2" Caliber Diospyros - Persimmon	122.87	
32 93 43 00-0556	EA	2" Caliber Diospyros - Persimmon	150.17	
32 93 43 00-0557	EA	2-1/2" Caliber Diospyros - Persimmon	191.13	
32 93 43 00-0558	EA	3" Caliber Diospyros - Persimmon	238.91	
32 93 43 00-0559	EA	3-1/2" Caliber Diospyros - Persimmon	286.70	
32 93 43 00-0560	EA	1-1/2" Caliper Fagus grandifolia - American Beech	273.04	
32 93 43 00-0561	EA	2" Caliper Fagus grandifolia - American Beech	354.96	
32 93 43 00-0562	EA	2-1/2" Caliper Fagus grandifolia - American Beech	450.52	
32 93 43 00-0563	EA	3" Caliper Fagus grandifolia - American Beech	546.09	
32 93 43 00-0564	EA	3-1/2" Caliper Fagus grandifolia - American Beech	648.48	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0565	EA	2" Caliper Fagus sylvatica & cvs - European Beech	307.17	
32 93 43 00-0566	EA	2-1/2" Caliper Fagus sylvatica & cvs - European Beech	368.61	
32 93 43 00-0567	EA	3" Caliper Fagus sylvatica & cvs - European Beech	443.70	
32 93 43 00-0568	EA	3-1/2" Caliper Fagus sylvatica & cvs - European Beech	491.48	
32 93 43 00-0569	EA	4" Caliper Fagus sylvatica & cvs - European Beech	580.22	
32 93 43 00-0570	EA	4-1/2" Caliper Fagus sylvatica & cvs - European Beech	750.87	
32 93 43 00-0571	EA	5" Caliper Fagus sylvatica & cvs - European Beech	887.39	
32 93 43 00-0572	EA	2" Caliper Fraxinus americana & cvs - White Ash	170.65	
32 93 43 00-0573	EA	2-1/2" Caliper Fraxinus americana & cvs - White Ash	204.78	
32 93 43 00-0574	EA	3" Caliper Fraxinus americana & cvs - White Ash	259.39	
32 93 43 00-0575	EA	3-1/2" Caliper Fraxinus americana & cvs - White Ash	314.00	
32 93 43 00-0576	EA	4" Caliper Fraxinus americana & cvs - White Ash	368.61	
32 93 43 00-0577	EA	4-1/2" Caliper Fraxinus americana & cvs - White Ash	409.57	
32 93 43 00-0578	EA	5" Caliper Fraxinus americana & cvs - White Ash	477.83	
32 93 43 00-0579	EA	2" Caliper Fraxinus pennsylvanica & cvs - Green Ash	150.17	
32 93 43 00-0580	EA	2-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash	177.48	
32 93 43 00-0581	EA	3" Caliper Fraxinus pennsylvanica & cvs - Green Ash	238.91	
32 93 43 00-0582	EA	3-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash	286.70	
32 93 43 00-0583	EA	4" Caliper Fraxinus pennsylvanica & cvs - Green Ash	341.30	
32 93 43 00-0584	EA	4-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash	368.61	
32 93 43 00-0585	EA	5" Caliper Fraxinus pennsylvanica & cvs - Green Ash	409.57	
32 93 43 00-0586	EA	1-1/2" Caliper Fraxinus quadrangulata - Blue Ash	204.78	
32 93 43 00-0587	EA	2" Caliper Fraxinus quadrangulata - Blue Ash	252.57	
32 93 43 00-0588	EA	2-1/2" Caliper Fraxinus quadrangulata - Blue Ash	307.17	
32 93 43 00-0589	EA	3" Caliper Fraxinus quadrangulata - Blue Ash	375.43	
32 93 43 00-0590	EA	3-1/2" Caliper Fraxinus quadrangulata - Blue Ash	443.70	
32 93 43 00-0591	EA	1-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	238.91	
32 93 43 00-0592	EA	2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	266.22	
32 93 43 00-0593	EA	2-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	300.35	
32 93 43 00-0594	EA	3" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	334.48	
32 93 43 00-0595	EA	3-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	375.43	
32 93 43 00-0596	EA	4" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	409.57	
32 93 43 00-0597	EA	4-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	614.35	
32 93 43 00-0598	EA	5" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	682.61	
32 93 43 00-0599	EA	2" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	163.83	
32 93 43 00-0600	EA	2-1/2" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	204.78	
32 93 43 00-0601	EA	3" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	245.74	
32 93 43 00-0602	EA	3-1/2" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	286.70	
32 93 43 00-0603	EA	4" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	327.65	
32 93 43 00-0604	EA	4-1/2" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	368.61	
32 93 43 00-0605	EA	5" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	436.87	
32 93 43 00-0606	EA	2" Caliper Gymnocladus dioicus - Kentucky Coffeetree	211.61	
32 93 43 00-0607	EA	2-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree	259.39	
32 93 43 00-0608	EA	3" Caliper Gymnocladus dioicus - Kentucky Coffeetree	307.17	
32 93 43 00-0609	EA	3-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree	361.78	
32 93 43 00-0610	EA	4" Caliper Gymnocladus dioicus - Kentucky Coffeetree	409.57	
32 93 43 00-0611	EA	4-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree	457.35	
32 93 43 00-0612	EA	5" Caliper Gymnocladus dioicus - Kentucky Coffeetree	511.96	
32 93 43 00-0613	EA	1-1/2" Caliper Juglans cinerea - Butternut	163.83	
32 93 43 00-0614	EA	2" Caliper Juglans cinerea - Butternut	191.13	
32 93 43 00-0615	EA	2-1/2" Caliper Juglans cinerea - Butternut	238.91	
32 93 43 00-0616	EA	3" Caliper Juglans cinerea - Butternut	300.35	
32 93 43 00-0617	EA	3-1/2" Caliper Juglans cinerea - Butternut	368.61	
32 93 43 00-0618	EA	1-1/2" Caliber Juglans californica - California Walnut	163.83	
32 93 43 00-0619	EA	2" Caliber Juglans californica - California Walnut	191.13	
32 93 43 00-0620	EA	2-1/2" Caliber Juglans californica - California Walnut	238.91	
32 93 43 00-0621	EA	3" Caliber Juglans californica - California Walnut	300.35	
32 93 43 00-0622	EA	3-1/2" Caliber Juglans californica - California Walnut	368.61	
32 93 43 00-0623	EA	4" Caliber Juglans californica - California Walnut	443.70	
32 93 43 00-0624	EA	4-1/2" Caliber Juglans californica - California Walnut	511.96	
32 93 43 00-0625	EA	5" Caliber Juglans californica - California Walnut	580.22	
32 93 43 00-0626	EA	5 Gallon Koelreuteria Paniculata - Goldenrain Tree	18.48	
32 93 43 00-0627	EA	15 Gallon Koelreuteria Paniculata - Goldenrain Tree	46.20	
32 93 43 00-0628	EA	20 Gallon Koelreuteria Paniculata - Goldenrain Tree	92.40	
32 93 43 00-0629	EA	55 Gallon Koelreuteria Paniculata - Goldenrain Tree	120.12	
32 93 43 00-0630	EA	1-1/2" To 2" Caliper Koelreuteria Paniculata - Goldenrain Tree	87.78	
32 93 43 00-0631	EA	2" To 2-1/2" Caliper Koelreuteria Paniculata - Goldenrain Tree	106.26	
32 93 43 00-0632	EA	2-1/2" To 3" Caliper Koelreuteria Paniculata - Goldenrain Tree	147.84	
32 93 43 00-0633	EA	1-1/2" Caliper Liquidambar styraciflua - American Sweetgum	218.43	
32 93 43 00-0634	EA	2" Caliper Liquidambar styraciflua - American Sweetgum	273.04	
32 93 43 00-0635	EA	2-1/2" Caliper Liquidambar styraciflua - American Sweetgum	341.30	
32 93 43 00-0636	EA	3" Caliper Liquidambar styraciflua - American Sweetgum	409.57	
32 93 43 00-0637	EA	3-1/2" Caliper Liquidambar styraciflua - American Sweetgum	477.83	
32 93 43 00-0638	EA	1-1/2" Caliper Liriodendron tulipifera - Tulip Tree	218.43	
32 93 43 00-0639	EA	2" Caliper Liriodendron tulipifera - Tulip Tree	300.35	
32 93 43 00-0640	EA	2-1/2" Caliper Liriodendron tulipifera - Tulip Tree	354.96	
32 93 43 00-0641	EA	3" Caliper Liriodendron tulipifera - Tulip Tree	409.57	
32 93 43 00-0642	EA	3-1/2" Caliper Liriodendron tulipifera - Tulip Tree	464.17	
32 93 43 00-0643	EA	8' Clump Form Liriodendron tulipifera - Tulip Tree	163.83	
32 93 43 00-0644	EA	10' Clump Form Liriodendron tulipifera - Tulip Tree	293.52	
32 93 43 00-0645	EA	12' Clump Form Liriodendron tulipifera - Tulip Tree	354.96	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0646	EA	1-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	218.43	
32 93 43 00-0647	EA	2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	273.04	
32 93 43 00-0648	EA	2-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	341.30	
32 93 43 00-0649	EA	3" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	409.57	
32 93 43 00-0650	EA	3-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	477.83	
32 93 43 00-0651	EA	4' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	95.57	
32 93 43 00-0652	EA	5' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	109.22	
32 93 43 00-0653	EA	6' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	129.70	
32 93 43 00-0654	EA	7' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	163.83	
32 93 43 00-0655	EA	8' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	204.78	
32 93 43 00-0656	EA	2" Caliber Ostrya virginiana - American Hophornbeam	177.48	
32 93 43 00-0657	EA	2-1/2" Caliber Ostrya virginiana - American Hophornbeam	225.26	
32 93 43 00-0658	EA	3" Caliber Ostrya virginiana - American Hophornbeam	273.04	
32 93 43 00-0659	EA	3-1/2" Caliber Ostrya virginiana - American Hophornbeam	320.83	
32 93 43 00-0660	EA	4" Caliber Ostrya virginiana - American Hophornbeam	389.09	
32 93 43 00-0661	EA	2" Caliber Phellodendron amurense - Amur Corktree	136.52	
32 93 43 00-0662	EA	2-1/2" Caliber Phellodendron amurense - Amur Corktree	170.65	
32 93 43 00-0663	EA	3" Caliber Phellodendron amurense - Amur Corktree	204.78	
32 93 43 00-0664	EA	3-1/2" Caliber Phellodendron amurense - Amur Corktree	238.91	
32 93 43 00-0665	EA	4" Caliber Phellodendron amurense - Amur Corktree	273.04	
32 93 43 00-0666	EA	4-1/2" Caliber Phellodendron amurense - Amur Corktree	307.17	
32 93 43 00-0667	EA	5" Caliber Phellodendron amurense - Amur Corktree	341.30	
32 93 43 00-0668	EA	30" Box Platanus Occidentalis - Buttonwood Sycamore	296.56	
32 93 43 00-0669	EA	36" Box Platanus Occidentalis - Buttonwood Sycamore	431.36	
32 93 43 00-0670	EA	42" Box Platanus occidentalis - Buttonwood Sycamore	641.68	
32 93 43 00-0671	EA	1-1/2" To 2" Caliper Platanus occidentalis - Buttonwood Sycamore	99.23	
32 93 43 00-0672	EA	2" To 2-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore	118.63	
32 93 43 00-0673	EA	2-1/2" To 3" Caliper Platanus occidentalis - Buttonwood Sycamore	161.76	
32 93 43 00-0674	EA	3" To 3-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore	196.30	
32 93 43 00-0675	EA	8' To 10' Platanus occidentalis - Green Or Silver Buttonwood	81.64	
32 93 43 00-0676	EA	10' To 12' Platanus occidentalis - Green Or Silver Buttonwood	102.05	
32 93 43 00-0677	EA	12' To 14' Platanus occidentalis - Green Or Silver Buttonwood	180.55	
32 93 43 00-0678	EA	16' To 18' Platanus occidentalis - Green Or Silver Buttonwood	259.05	
32 93 43 00-0679	EA	2" Caliber Platanus x acerifolia & cvs - London Planetree	163.83	
32 93 43 00-0680	EA	2-1/2" Caliber Platanus x acerifolia & cvs - London Planetree	197.96	
32 93 43 00-0681	EA	3" Caliber Platanus x acerifolia & cvs - London Planetree	238.91	
32 93 43 00-0682	EA	3-1/2" Caliber Platanus x acerifolia & cvs - London Planetree	286.70	
32 93 43 00-0683	EA	4" Caliber Platanus x acerifolia & cvs - London Planetree	341.30	
32 93 43 00-0684	EA	2" Caliber Populus alba & cvs - White Poplar	163.83	
32 93 43 00-0685	EA	2-1/2" Caliber Populus alba & cvs - White Poplar	191.13	
32 93 43 00-0686	EA	3" Caliber Populus alba & cvs - White Poplar	218.43	
32 93 43 00-0687	EA	3-1/2" Caliber Populus alba & cvs - White Poplar	259.39	
32 93 43 00-0688	EA	4" Caliber Populus alba & cvs - White Poplar	286.70	
32 93 43 00-0689	EA	4-1/2" Caliber Populus alba & cvs - White Poplar	327.65	
32 93 43 00-0690	EA	2" Caliber Populus deltoides & cvs - Eastern Cottonwood	150.17	
32 93 43 00-0691	EA	2-1/2" Caliber Populus deltoides & cvs - Eastern Cottonwood	197.96	
32 93 43 00-0692	EA	3" Caliber Populus deltoides & cvs - Eastern Cottonwood	238.91	
32 93 43 00-0693	EA	3-1/2" Caliber Populus deltoides & cvs - Eastern Cottonwood	286.70	
32 93 43 00-0694	EA	4" Caliber Populus deltoides & cvs - Eastern Cottonwood	341.30	
32 93 43 00-0695	EA	6' To 8' Quercus acutissima - Sawtooth Oak	51.33	
32 93 43 00-0696	EA	8' To 10' Quercus acutissima - Sawtooth Oak	77.00	
32 93 43 00-0697	EA	10' To 12' Quercus acutissima - Sawtooth Oak	89.84	
32 93 43 00-0698	EA	1-1/2" To 2" Caliper Quercus acutissima - Sawtooth Oak	102.67	
32 93 43 00-0699	EA	2" To 2-1/2" Caliper Quercus acutissima - Sawtooth Oak	115.50	
32 93 43 00-0700	EA	2" Caliber Quercus alba - White Oak	204.78	
32 93 43 00-0701	EA	2-1/2" Caliber Quercus alba - White Oak	238.91	
32 93 43 00-0702	EA	3" Caliber Quercus alba - White Oak	300.35	
32 93 43 00-0703	EA	3-1/2" Caliber Quercus alba - White Oak	375.43	
32 93 43 00-0704	EA	4" Caliber Quercus alba - White Oak	443.70	
32 93 43 00-0705	EA	4-1/2" Caliber Quercus alba - White Oak	546.09	
32 93 43 00-0706	EA	5" Caliber Quercus alba - White Oak	648.48	
32 93 43 00-0707	EA	2" Caliber Quercus bicolor - Swamp White Oak	238.91	
32 93 43 00-0708	EA	2-1/2" Caliber Quercus bicolor - Swamp White Oak	273.04	
32 93 43 00-0709	EA	3" Caliber Quercus bicolor - Swamp White Oak	314.00	
32 93 43 00-0710	EA	3-1/2" Caliber Quercus bicolor - Swamp White Oak	348.13	
32 93 43 00-0711	EA	4" Caliber Quercus bicolor - Swamp White Oak	395.91	
32 93 43 00-0712	EA	4-1/2" Caliber Quercus bicolor - Swamp White Oak	436.87	
32 93 43 00-0713	EA	5" Caliber Quercus bicolor - Swamp White Oak	491.48	
32 93 43 00-0714	EA	10' Clump Form Quercus bicolor - Swamp White Oak	341.30	
32 93 43 00-0715	EA	12' Clump Form Quercus bicolor - Swamp White Oak	409.57	
32 93 43 00-0716	EA	14' Clump Form Quercus bicolor - Swamp White Oak	477.83	
32 93 43 00-0717	EA	16' Clump Form Quercus bicolor - Swamp White Oak	546.09	
32 93 43 00-0718	EA	2" Caliper Quercus coccinea - Scarlet Oak	177.48	
32 93 43 00-0719	EA	2-1/2" Caliper Quercus coccinea - Scarlet Oak	225.26	
32 93 43 00-0720	EA	3" Caliper Quercus coccinea - Scarlet Oak	279.87	
32 93 43 00-0721	EA	3-1/2" Caliper Quercus coccinea - Scarlet Oak	341.30	
32 93 43 00-0722	EA	4" Caliper Quercus coccinea - Scarlet Oak	409.57	
32 93 43 00-0723	EA	4-1/2" Caliper Quercus coccinea - Scarlet Oak	484.65	
32 93 43 00-0724	EA	5" Caliper Quercus coccinea - Scarlet Oak	566.57	
32 93 43 00-0725	EA	1-1/2" Caliper Quercus imbricaria - Shingle Oak	177.48	
32 93 43 00-0726	EA	2" Caliper Quercus imbricaria - Shingle Oak	238.91	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0727	EA	2-1/2" Caliper Quercus imbricaria - Shingle Oak	320.83	
32 93 43 00-0728	EA	3" Caliper Quercus imbricaria - Shingle Oak	477.83	
32 93 43 00-0729	EA	3-1/2" Caliper Quercus imbricaria - Shingle Oak	648.48	
32 93 43 00-0730	EA	1-1/2" Caliper Quercus macrocarpa - Bur Oak	177.48	
32 93 43 00-0731	EA	2" Caliper Quercus macrocarpa - Bur Oak	211.61	
32 93 43 00-0732	EA	2-1/2" Caliper Quercus macrocarpa - Bur Oak	252.57	
32 93 43 00-0733	EA	3" Caliper Quercus macrocarpa - Bur Oak	307.17	
32 93 43 00-0734	EA	3-1/2" Caliper Quercus macrocarpa - Bur Oak	375.43	
32 93 43 00-0735	EA	4" Caliper Quercus macrocarpa - Bur Oak	443.70	
32 93 43 00-0736	EA	9' Clump Form Quercus macrocarpa - Bur Oak	409.57	
32 93 43 00-0737	EA	10' Clump Form Quercus macrocarpa - Bur Oak	477.83	
32 93 43 00-0738	EA	12' Clump Form Quercus macrocarpa - Bur Oak	546.09	
32 93 43 00-0739	EA	2" Caliber Quercus palustris - Pin Oak	150.17	
32 93 43 00-0740	EA	2-1/2" Caliber Quercus palustris - Pin Oak	204.78	
32 93 43 00-0741	EA	3" Caliber Quercus palustris - Pin Oak	266.22	
32 93 43 00-0742	EA	3-1/2" Caliber Quercus palustris - Pin Oak	307.17	
32 93 43 00-0743	EA	4" Caliber Quercus palustris - Pin Oak	354.96	
32 93 43 00-0744	EA	4-1/2" Caliber Quercus palustris - Pin Oak	402.74	
32 93 43 00-0745	EA	5" Caliber Quercus palustris - Pin Oak	443.70	
32 93 43 00-0746	EA	2" Caliber Quercus robur & cvs - English Oak	177.48	
32 93 43 00-0747	EA	2-1/2" Caliber Quercus robur & cvs - English Oak	218.43	
32 93 43 00-0748	EA	3" Caliber Quercus robur & cvs - English Oak	259.39	
32 93 43 00-0749	EA	3-1/2" Caliber Quercus robur & cvs - English Oak	307.17	
32 93 43 00-0750	EA	4" Caliber Quercus robur & cvs - English Oak	354.96	
32 93 43 00-0751	EA	4-1/2" Caliber Quercus robur & cvs - English Oak	409.57	
32 93 43 00-0752	EA	5" Caliber Quercus robur & cvs - English Oak	464.17	
32 93 43 00-0753	EA	2" Caliber Quercus rubra - Red Oak	204.78	
32 93 43 00-0754	EA	2-1/2" Caliber Quercus rubra - Red Oak	238.91	
32 93 43 00-0755	EA	3" Caliber Quercus rubra - Red Oak	286.70	
32 93 43 00-0756	EA	3-1/2" Caliber Quercus rubra - Red Oak	341.30	
32 93 43 00-0757	EA	4" Caliber Quercus rubra - Red Oak	409.57	
32 93 43 00-0758	EA	4-1/2" Caliber Quercus rubra - Red Oak	477.83	
32 93 43 00-0759	EA	5" Caliber Quercus rubra - Red Oak	546.09	
32 93 43 00-0760	EA	16' Clump Form Quercus rubra - Red Oak	443.70	
32 93 43 00-0761	EA	18' Clump Form Quercus rubra - Red Oak	532.43	
32 93 43 00-0762	EA	20' Clump Form Quercus rubra - Red Oak	593.87	
32 93 43 00-0763	EA	2" Caliber Quercus shumardii - Shumard Oak	232.09	
32 93 43 00-0764	EA	2-1/2" Caliber Quercus shumardii - Shumard Oak	293.52	
32 93 43 00-0765	EA	3" Caliber Quercus shumardii - Shumard Oak	341.30	
32 93 43 00-0766	EA	3-1/2" Caliber Quercus shumardii - Shumard Oak	409.57	
32 93 43 00-0767	EA	4" Caliber Quercus shumardii - Shumard Oak	477.83	
32 93 43 00-0768	EA	4-1/2" Caliber Quercus shumardii - Shumard Oak	546.09	
32 93 43 00-0769	EA	5" Caliber Quercus shumardii - Shumard Oak	614.35	
32 93 43 00-0770	EA	3" To 3-1/2" Caliper Quercus virginiana - Live Oak	406.57	
32 93 43 00-0771	EA	3-1/2" To 4" Caliper Quercus virginiana - Live Oak	547.93	
32 93 43 00-0772	EA	4" To 4-1/2" Caliper Quercus virginiana - Live Oak	741.04	
32 93 43 00-0773	EA	4-1/2" To 5" Caliper Quercus virginiana - Live Oak	989.10	
32 93 43 00-0774	EA	5" To 5-1/2" Caliper Quercus virginiana - Live Oak	1,193.20	
32 93 43 00-0775	EA	5-1/2" To 6" Caliper Quercus virginiana - Live Oak	1,318.80	
32 93 43 00-0776	EA	6" To 6-1/2" Caliper Quercus virginiana - Live Oak	1,774.10	
32 93 43 00-0777	EA	6-1/2" To 7" Caliper Quercus Virginiana - Live Oak	2,229.40	
32 93 43 00-0778	EA	7" To 7-1/2" Caliper Quercus virginiana - Live Oak	2,684.70	
32 93 43 00-0779	EA	7-1/2" To 8" Caliper Quercus virginiana - Live Oak	3,257.75	
32 93 43 00-0780	EA	8" To 8-1/2" Caliper Quercus virginiana - Live Oak	3,830.80	
32 93 43 00-0781	EA	2" Caliber Quercus schuettii - Swamp Bur Oak	204.78	
32 93 43 00-0782	EA	2-1/2" Caliber Quercus schuettii - Swamp Bur Oak	245.74	
32 93 43 00-0783	EA	3" Caliber Quercus schuettii - Swamp Bur Oak	307.17	
32 93 43 00-0784	EA	3-1/2" Caliber Quercus schuettii - Swamp Bur Oak	375.43	
32 93 43 00-0785	EA	4" Caliber Quercus schuettii - Swamp Bur Oak	436.87	
32 93 43 00-0786	EA	4-1/2" Caliber Quercus schuettii - Swamp Bur Oak	491.48	
32 93 43 00-0787	EA	2" Caliper Salix alba & cvs - White Willow	109.22	
32 93 43 00-0788	EA	2-1/2" Caliper Salix alba & cvs - White Willow	129.70	
32 93 43 00-0789	EA	3" Caliper Salix alba & cvs - White Willow	170.65	
32 93 43 00-0790	EA	3-1/2" Caliper Salix alba & cvs - White Willow	204.78	
32 93 43 00-0791	EA	4" Caliper Salix alba & cvs - White Willow	245.74	
32 93 43 00-0792	EA	4-1/2" Caliper Salix alba & cvs - White Willow	286.70	
32 93 43 00-0793	EA	5" Caliper Salix alba & cvs - White Willow	327.65	
32 93 43 00-0794	EA	24" Box Salix babylonica - Weeping Willow	172.54	
32 93 43 00-0795	EA	36" Box Salix babylonica - Weeping Willow	431.36	
32 93 43 00-0796	EA	1-1/2" To 2" Caliper Salix babylonica - Weeping Willow	99.23	
32 93 43 00-0797	EA	2" To 2-1/2" Caliper Salix babylonica - Weeping Willow	118.63	
32 93 43 00-0798	EA	2-1/2" To 3" Caliper Salix babylonica - Weeping Willow	129.41	
32 93 43 00-0799	EA	5' Clump Form Sassafras albidum - Common Sassafras	129.70	
32 93 43 00-0800	EA	6' Clump Form Sassafras albidum - Common Sassafras	157.00	
32 93 43 00-0801	EA	7' Clump Form Sassafras albidum - Common Sassafras	197.96	
32 93 43 00-0802	EA	8' Clump Form Sassafras albidum - Common Sassafras	225.26	
32 93 43 00-0803	EA	10' Clump Form Sassafras albidum - Common Sassafras	252.57	
32 93 43 00-0804	EA	12' Clump Form Sassafras albidum - Common Sassafras	307.17	
32 93 43 00-0805	EA	14' Clump Form Sassafras albidum - Common Sassafras	375.43	
32 93 43 00-0806	EA	16' Clump Form Sassafras albidum - Common Sassafras	443.70	
32 93 43 00-0807	EA	1-3/4" Caliper Sophora japonica - Chinese Scholar	226.08	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0808	EA	2" Caliper Sophora japonica - Chinese Scholar	251.20	
32 93 43 00-0809	EA	2-1/2" Caliper Sophora japonica - Chinese Scholar	337.55	
32 93 43 00-0810	EA	3" Caliper Sophora japonica - Chinese Scholar	439.60	
32 93 43 00-0811	EA	3-1/2" Caliper Sophora japonica - Chinese Scholar	510.25	
32 93 43 00-0812	EA	10' To 12' Swietenia Mahagoni - Mahogany	120.89	
32 93 43 00-0813	EA	12' To 14' Swietenia Mahagoni - Mahogany	141.30	
32 93 43 00-0814	EA	14' To 16' Swietenia Mahagoni - Mahogany	188.40	
32 93 43 00-0815	EA	16' To 18' Swietenia Mahagoni - Mahogany	211.95	
32 93 43 00-0816	EA	2" Caliper Taxodium distichum - Common Bald Cypress	170.65	
32 93 43 00-0817	EA	2-1/2" Caliper Taxodium distichum - Common Bald Cypress	197.96	
32 93 43 00-0818	EA	3" Caliper Taxodium distichum - Common Bald Cypress	238.91	
32 93 43 00-0819	EA	3-1/2" Caliper Taxodium distichum - Common Bald Cypress	273.04	
32 93 43 00-0820	EA	4" Caliper Taxodium distichum - Common Bald Cypress	300.35	
32 93 43 00-0821	EA	6' Clump Form Taxodium distichum - Common Bald Cypress	150.17	
32 93 43 00-0822	EA	7' Clump Form Taxodium distichum - Common Bald Cypress	170.65	
32 93 43 00-0823	EA	8' Clump Form Taxodium distichum - Common Bald Cypress	245.74	
32 93 43 00-0824	EA	10' Clump Form Taxodium distichum - Common Bald Cypress	273.04	
32 93 43 00-0825	EA	12' Clump Form Taxodium distichum - Common Bald Cypress	307.17	
32 93 43 00-0826	EA	14' Clump Form Taxodium distichum - Common Bald Cypress	354.96	
32 93 43 00-0827	EA	16' Clump Form Taxodium distichum - Common Bald Cypress	409.57	
32 93 43 00-0828	EA	2' Thuja occidentalis - American Arborviatae	23.39	
32 93 43 00-0829	EA	2-1/2' Thuja occidentalis - American Arborviatae	25.28	
32 93 43 00-0830	EA	3' Thuja occidentalis - American Arborviatae	36.11	
32 93 43 00-0831	EA	4' Thuja occidentalis - American Arborviatae	49.61	
32 93 43 00-0832	EA	5' Thuja occidentalis - American Arborviatae	69.08	
32 93 43 00-0833	EA	6' Thuja occidentalis - American Arborviatae	95.77	
32 93 43 00-0834	EA	7' Thuja occidentalis - American Arborviatae	116.18	
32 93 43 00-0835	EA	8' Thuja occidentalis - American Arborviatae	163.28	
32 93 43 00-0836	EA	2" Caliper Tilia americana & cvs - American Linden Basswood	170.65	
32 93 43 00-0837	EA	2-1/2" Caliper Tilia americana & cvs - American Linden Basswood	197.96	
32 93 43 00-0838	EA	3" Caliper Tilia americana & cvs - American Linden Basswood	252.57	
32 93 43 00-0839	EA	3-1/2" Caliper Tilia americana & cvs - American Linden Basswood	293.52	
32 93 43 00-0840	EA	4" Caliper Tilia americana & cvs - American Linden; Basswood	334.48	
32 93 43 00-0841	EA	4-1/2" Caliper Tilia americana & cvs - American Linden Basswood	375.43	
32 93 43 00-0842	EA	5" Caliper Tilia americana & cvs - American Linden Basswood	409.57	
32 93 43 00-0843	EA	10' Clump Form Tilia americana & cvs - American Linden Basswood	218.43	
32 93 43 00-0844	EA	12' Clump Form Tilia americana & cvs - American Linden Basswood	238.91	
32 93 43 00-0845	EA	14' Clump Form Tilia americana & cvs - American Linden Basswood	273.04	
32 93 43 00-0846	EA	16' Clump Form Tilia americana & cvs - American Linden Basswood	314.00	
32 93 43 00-0847	EA	2" Caliper Tilia cordata & cvs - Littleleaf Linden	171.68	
32 93 43 00-0848	EA	2-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	207.38	
32 93 43 00-0849	EA	3" Caliper Tilia cordata & cvs - Littleleaf Linden	238.91	
32 93 43 00-0850	EA	3-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	293.52	
32 93 43 00-0851	EA	4" Caliper Tilia cordata & cvs - Littleleaf Linden	334.48	
32 93 43 00-0852	EA	4-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	375.43	
32 93 43 00-0853	EA	5" Caliper Tilia cordata & cvs - Littleleaf Linden	416.39	
32 93 43 00-0854	EA	2" Caliper Tilia tomentosa & cvs - Silver Linden	191.13	
32 93 43 00-0855	EA	2-1/2" Caliper Tilia tomentosa & cvs - Silver Linden	211.61	
32 93 43 00-0856	EA	3" Caliper Tilia tomentosa & cvs - Silver Linden	232.09	
32 93 43 00-0857	EA	3-1/2" Caliper Tilia tomentosa & cvs - Silver Linden	259.39	
32 93 43 00-0858	EA	4" Caliper Tilia tomentosa & cvs - Silver Linden	300.35	
32 93 43 00-0859	EA	4-1/2" Caliper Tilia tomentosa & cvs - Silver Linden	354.96	
32 93 43 00-0860	EA	5" Caliper Tilia tomentosa & cvs - Silver Linden	464.17	
32 93 43 00-0861	EA	2" Caliper Tilia x euchlora - Crimean Linden	191.13	
32 93 43 00-0862	EA	2-1/2" Caliper Tilia x euchlora - Crimean Linden	245.74	
32 93 43 00-0863	EA	3" Caliper Tilia x euchlora - Crimean Linden	300.35	
32 93 43 00-0864	EA	3-1/2" Caliper Tilia x euchlora - Crimean Linden	341.30	
32 93 43 00-0865	EA	4" Caliper Tilia x euchlora - Crimean Linden	382.26	
32 93 43 00-0866	EA	4-1/2" Caliper Tilia x euchlora - Crimean Linden	430.04	
32 93 43 00-0867	EA	5" Caliper Tilia x euchlora - Crimean Linden	464.17	
32 93 43 00-0868	EA	2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	191.13	
32 93 43 00-0869	EA	2-1/2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	218.43	
32 93 43 00-0870	EA	3" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	238.91	
32 93 43 00-0871	EA	3-1/2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	259.39	
32 93 43 00-0872	EA	4" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	286.70	
32 93 43 00-0873	EA	4-1/2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	341.30	
32 93 43 00-0874	EA	5" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	402.74	
32 93 43 00-0875	EA	2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	218.43	
32 93 43 00-0876	EA	2-1/2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	238.91	
32 93 43 00-0877	EA	3" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	259.39	
32 93 43 00-0878	EA	3-1/2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	286.70	
32 93 43 00-0879	EA	4" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	341.30	
32 93 43 00-0880	EA	4-1/2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	402.74	
32 93 43 00-0881	EA	5" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	464.17	
32 93 43 00-0882	EA	2" Caliper Ulmus x `Regal' - Regal Hybrid Elm	218.43	
32 93 43 00-0883	EA	2-1/2Mary-Louise Parker Ulmus x `Regal' - Regal Hybrid Elm	238.91	
32 93 43 00-0884	EA	3" Caliber Ulmus x `Regal' - Regal Hybrid Elm	259.39	
32 93 43 00-0885	EA	3-1/2" Caliber Ulmus x `Regal' - Regal Hybrid Elm	286.70	
32 93 43 00-0886	EA	4" Caliber Ulmus x `Regal' - Regal Hybrid Elm	341.30	
32 93 43 00-0887	EA	4-1/2" Caliber Ulmus x `Regal' - Regal Hybrid Elm	402.74	
32 93 43 00-0888	EA	5" Caliber Ulmus x `Regal' - Regal Hybrid Elm	464.17	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0889	EA	1-1/2" To 2" Caliper Zelkova serrata - Japanese Keaki Tree	105.65	
32 93 43 00-0890	EA	2" To 2-1/2" Caliper Zelkova serrata - Japanese Keaki Tree	129.41	
32 93 43 00-0891	EA	2-1/2' To 3" Caliper Zelkova serrata - Japanese Keaki Tree	163.96	
32 93 43 00-0892	EA	1-1/2" To 2" Caliper Platanus acerifolia "Bloodgold" - London Plane	139.98	
32 93 43 00-0893	EA	2" To 2-1/2" Caliper Platanus acerifolia "Bloodgold" - London Plane	249.86	
32 93 43 00-0894	EA	2-1/2" To 3" Caliper Platanus acerifolia "Bloodgold" - London Plane	365.76	
32 93 43 00-0895	EA	3" To 3-1/2" Caliper Platanus acerifolia "Bloodgold" - London Plane	454.57	
32 93 43 00-0896	EA	3-1/2" To 4" Caliper Platanus acerifolia "Bloodgold" - London Plane	588.53	
32 93 43 00-0897	EA	4" To 5" Caliper Platanus acerifolia "Bloodgold" - London Plane	669.81	
32 93 43 00-0898	EA	24" Box Platanus acerifolia "Bloodgold" - London Plane	176.11	
32 93 43 00-0899	EA	1-1/2" Caliper Quercus suber - Cork Oak	210.73	
32 93 43 00-0900	EA	2" Caliper Quercus suber - Cork Oak	292.01	
32 93 43 00-0901	EA	2-1/2" Caliper Quercus suber - Cork Oak	373.29	
32 93 43 00-0902	EA	3" Caliper Quercus suber - Cork Oak	466.61	
32 93 43 00-0903	EA	3-1/2" Caliper Quercus suber - Cork Oak	699.92	
32 93 43 00-0904	EA	4" Caliper Quercus suber - Cork Oak	903.12	
32 93 43 00-0905	EA	4-1/2" Caliper Quercus suber - Cork Oak	1,174.06	
32 93 43 00-0906	EA	1-1/2" Caliper Quercus ilex - Holly Oak	233.31	
32 93 43 00-0907	EA	2" Caliper Quercus ilex - Holly Oak	314.59	
32 93 43 00-0908	EA	2-1/2" Caliper Quercus ilex - Holly Oak	385.33	
32 93 43 00-0909	EA	3" Caliper Quercus ilex - Holly Oak	466.61	
32 93 43 00-0910	EA	3-1/2" Caliper Quercus ilex - Holly Oak	699.92	
32 93 43 00-0911	EA	4" Caliper Quercus ilex - Holly Oak	903.12	

32 93 43 00-0912 Evergreen Trees *(32 93 43)*

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0913	EA	6' Abies balsamea - Balsam Fir	80.83	
32 93 43 00-0914	EA	7' Abies balsamea - Balsam Fir	101.03	
32 93 43 00-0915	EA	8' Abies balsamea - Balsam Fir	121.24	
32 93 43 00-0916	EA	9' Abies balsamea - Balsam Fir	161.65	
32 93 43 00-0917	EA	10' Abies balsamea - Balsam Fir	202.07	
32 93 43 00-0918	EA	12' Abies balsamea - Balsam Fir	242.48	
32 93 43 00-0919	EA	6' Abies concolor - White Fir	117.20	
32 93 43 00-0920	EA	7' Abies concolor - White Fir	133.36	
32 93 43 00-0921	EA	8' Abies concolor - White Fir	157.61	
32 93 43 00-0922	EA	9' Abies concolor - White Fir	181.86	
32 93 43 00-0923	EA	10' Abies concolor - White Fir	214.19	
32 93 43 00-0924	EA	12' Abies concolor - White Fir	262.68	
32 93 43 00-0925	EA	14' Abies concolor - White Fir	323.30	
32 93 43 00-0926	EA	16' Abies concolor - White Fir	363.72	
32 93 43 00-0927	EA	6' Abies fraseri - Frasier Fir	80.83	
32 93 43 00-0928	EA	7' Abies fraseri - Frasier Fir	101.03	
32 93 43 00-0929	EA	8' Abies fraseri - Frasier Fir	121.24	
32 93 43 00-0930	EA	9' Abies fraseri - Frasier Fir	161.65	
32 93 43 00-0931	EA	10' Abies fraseri - Frasier Fir	202.07	
32 93 43 00-0932	EA	12' Abies fraseri - Frasier Fir	242.48	
32 93 43 00-0933	EA	2' To 3' Cedrus atlantica - Blue Atlas Cedar	14.56	
32 93 43 00-0934	EA	3' To 4' Cedrus atlantica - Blue Atlas Cedar	23.40	
32 93 43 00-0935	EA	4' To 5' Cedrus atlantica - Blue Atlas Cedar	34.77	
32 93 43 00-0936	EA	5' To 6' Cedrus atlantica - Blue Atlas Cedar	46.77	
32 93 43 00-0937	EA	7' To 8' Cedrus atlantica - Blue Atlas Cedar	66.41	
32 93 43 00-0938	EA	5 Gallon Cedrus deodara - Indian Cedar	8.33	
32 93 43 00-0939	EA	6' To 8' Cedrus deodara - Indian Cedar	60.09	
32 93 43 00-0940	EA	8' To 10' Cedrus deodara - Indian Cedar	69.57	
32 93 43 00-0941	EA	10' To 12' Cedrus deodara - Indian Cedar	94.85	
32 93 43 00-0942	EA	12' To 14' Cedrus deodara - Indian Cedar	123.30	
32 93 43 00-0943	EA	14' To 16' Cedrus deodara - Indian Cedar	158.10	
32 93 43 00-0944	EA	15" To 18" Chamaecyparis obtusa - Compact Hinoki Cypress	18.78	
32 93 43 00-0945	EA	18" To 24" Chamaecyparis obtusa - Compact Hinoki Cypress	28.17	
32 93 43 00-0946	EA	2' To 3' Chamaecyparis obtusa - Compact Hinoki Cypress	43.83	
32 93 43 00-0947	EA	3' To 4' Chamaecyparis obtusa - Compact Hinoki Cypress	75.13	
32 93 43 00-0948	EA	4' To 5' Chamaecyparis pisifera - Sawara Cypress	22.76	
32 93 43 00-0949	EA	5' To 6' Chamaecyparis pisifera - Sawara Cypress	35.44	
32 93 43 00-0950	EA	6' To 7' Chamaecyparis pisifera - Sawara Cypress	44.25	
32 93 43 00-0951	EA	7' To 8' Chamaecyparis pisifera - Sawara Cypress	63.25	
32 93 43 00-0952	EA	1 Gallon Cleyera japonica - Japanese Cleyera	2.56	
32 93 43 00-0953	EA	3 Gallon Cleyera japonica - Japanese Cleyera	6.43	
32 93 43 00-0954	EA	7 Gallon Cleyera japonica - Japanese Cleyera	18.41	
32 93 43 00-0955	EA	5 Gallon Cupressocyparis leylandii - Leyland Cypress	10.33	
32 93 43 00-0956	EA	15 Gallon Cupressocyparis leylandii - Leyland Cypress	41.33	
32 93 43 00-0957	EA	4' To 5' Cupressocyparis leylandii - Leyland Cypress	18.08	
32 93 43 00-0958	EA	5' To 6' Cupressocyparis leylandii - Leyland Cypress	23.25	
32 93 43 00-0959	EA	6' To 7' Cupressocyparis leylandii - Leyland Cypress	36.17	
32 93 43 00-0960	EA	24" Box Cupressocyparis leylandii - Leyland Cypress	87.83	
32 93 43 00-0961	EA	1 Gallon Cupressus macrocarpa - Monterey Cypress	1.88	
32 93 43 00-0962	EA	5 Gallon Cupressus macrocarpa - Monterey Cypress	8.48	
32 93 43 00-0963	EA	15 Gallon Cupressus macrocarpa - Monterey Cypress	28.26	
32 93 43 00-0964	EA	5 Gallon Cupressus sempervirens - Italian Cypress	9.73	
32 93 43 00-0965	EA	15 Gallon Cupressus sempervirens - Italian Cypress	26.74	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0966	EA	1 Gallon Illicium anisatum - Anise Tree	2.78	
32 93 43 00-0967	EA	3 Gallon Illicium anisatum - Anise Tree	6.43	
32 93 43 00-0968	EA	1 Gallon Juniperus horizontalis "Bar Harbor' - Bar Harbor Juniper	2.86	
32 93 43 00-0969	EA	2 Gallon Juniperus horizontalis "Bar Harbor' - Bar Harbor Juniper	5.59	
32 93 43 00-0970	EA	3 Gallon Juniperus horizontalis "Bar Harbor' - Bar Harbor Juniper	6.93	
32 93 43 00-0971	EA	5 Gallon Juniperus horizontalis "Bar Harbor' - Bar Harbor Juniper	8.14	
32 93 43 00-0972	EA	1 Gallon Juniperus - Blue Sargent Juniper	2.86	
32 93 43 00-0973	EA	2 Gallon Juniperus - Blue Sargent Juniper	5.59	
32 93 43 00-0974	EA	3 Gallon Juniperus - Blue Sargent Juniper	6.93	
32 93 43 00-0975	EA	5 Gallon Juniperus - Blue Sargent Juniper	8.14	
32 93 43 00-0976	EA	5 Gallon Juniperus - Compact Pfitzer Juniper	8.14	
32 93 43 00-0977	EA	15" To 18" Juniperus - Compact Pfitzer Juniper	8.81	
32 93 43 00-0978	EA	18" To 24" Juniperus - Compact Pfitzer Juniper	10.64	
32 93 43 00-0979	EA	2' To 2 1/2' Juniperus - Compact Pfitzer Juniper	15.80	
32 93 43 00-0980	EA	2-1/2' To 3' Juniperus - Compact Pfitzer Juniper	18.30	
32 93 43 00-0981	EA	5' To 6' Juniperus - Fairview Juniper	27.25	
32 93 43 00-0982	EA	1 Gallon Juniperus - Hollywood Juniper	3.65	
32 93 43 00-0983	EA	5 Gallon Juniperus - Hollywood Juniper	10.15	
32 93 43 00-0984	EA	15 Gallon Juniperus - Hollywood Juniper	43.03	
32 93 43 00-0985	EA	4' To 5' Juniperus - Hollywood Juniper	28.45	
32 93 43 00-0986	EA	5' To 6' Juniperus - Hollywood Juniper	36.65	
32 93 43 00-0987	EA	1 Gallon Juniperus - Parson's Juniper	2.86	
32 93 43 00-0988	EA	2 Gallon Juniperus - Parson's Juniper	5.65	
32 93 43 00-0989	EA	3 Gallon Juniperus - Parson's Juniper	6.99	
32 93 43 00-0990	EA	5 Gallon Juniperus - Parson's Juniper	8.27	
32 93 43 00-0991	EA	5 Gallon Juniperus - Skyrocket Juniper	10.21	
32 93 43 00-0992	EA	15 Gallon Juniperus - Skyrocket Juniper	43.46	
32 93 43 00-0993	EA	2' To 3' Juniperus - Skyrocket Juniper	15.32	
32 93 43 00-0994	EA	3' To 4' Juniperus - Skyrocket Juniper	21.70	
32 93 43 00-0995	EA	4' To 5' Juniperus - Skyrocket Juniper	28.75	
32 93 43 00-0996	EA	5' To 6' Juniperus - Skyrocket Juniper	37.08	
32 93 43 00-0997	EA	6' To 8' Juniperus - Skyrocket Juniper	47.90	
32 93 43 00-0998	EA	1 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	2.86	
32 93 43 00-0999	EA	2 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	5.62	
32 93 43 00-1000	EA	3 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	6.90	
32 93 43 00-1001	EA	5 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	8.18	
32 93 43 00-1002	EA	1 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	2.86	
32 93 43 00-1003	EA	2 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	5.62	
32 93 43 00-1004	EA	3 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	6.90	
32 93 43 00-1005	EA	5 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	8.18	
32 93 43 00-1006	EA	2' To 3' Juniperus virginiana - Eastern Red Cedar	15.32	
32 93 43 00-1007	EA	3' To 4' Juniperus virginiana - Eastern Red Cedar	21.70	
32 93 43 00-1008	EA	4' To 5' Juniperus virginiana - Eastern Red Cedar	28.75	
32 93 43 00-1009	EA	5' To 6' Juniperus virginiana - Eastern Red Cedar	37.08	
32 93 43 00-1010	EA	5' Picea abies & cvs - Norway Spruce	88.91	
32 93 43 00-1011	EA	6' Picea abies & cvs - Norway Spruce	101.03	
32 93 43 00-1012	EA	7' Picea abies & cvs - Norway Spruce	121.24	
32 93 43 00-1013	EA	8' Picea abies & cvs - Norway Spruce	141.45	
32 93 43 00-1014	EA	9' Picea abies & cvs - Norway Spruce	189.94	
32 93 43 00-1015	EA	10' Picea abies & cvs - Norway Spruce	230.35	
32 93 43 00-1016	EA	12' Picea abies & cvs - Norway Spruce	282.89	
32 93 43 00-1017	EA	14' Picea abies & cvs - Norway Spruce	343.51	
32 93 43 00-1018	EA	6' Picea glauca - White Spruce	84.87	
32 93 43 00-1019	EA	7' Picea glauca - White Spruce	121.24	
32 93 43 00-1020	EA	8' Picea glauca - White Spruce	141.45	
32 93 43 00-1021	EA	9' Picea glauca - White Spruce	169.73	
32 93 43 00-1022	EA	10' Picea glauca - White Spruce	202.07	
32 93 43 00-1023	EA	12' Picea glauca - White Spruce	242.48	
32 93 43 00-1024	EA	4' Picea glauca densata - Black Hills Spruce	48.50	
32 93 43 00-1025	EA	5' Picea glauca densata - Black Hills Spruce	72.74	
32 93 43 00-1026	EA	6' Picea glauca densata - Black Hills Spruce	109.12	
32 93 43 00-1027	EA	7' Picea glauca densata - Black Hills Spruce	129.32	
32 93 43 00-1028	EA	8' Picea glauca densata - Black Hills Spruce	149.53	
32 93 43 00-1029	EA	9' Picea glauca densata - Black Hills Spruce	165.69	
32 93 43 00-1030	EA	10' Picea glauca densata - Black Hills Spruce	181.86	
32 93 43 00-1031	EA	6' Picea omorika & cvs - Serbian Spruce	109.12	
32 93 43 00-1032	EA	7' Picea omorika & cvs - Serbian Spruce	121.24	
32 93 43 00-1033	EA	8' Picea omorika & cvs - Serbian Spruce	145.49	
32 93 43 00-1034	EA	9' Picea omorika & cvs - Serbian Spruce	169.73	
32 93 43 00-1035	EA	10' Picea omorika & cvs - Serbian Spruce	193.98	
32 93 43 00-1036	EA	5' Picea pungens - Colorado Green Spruce	88.91	
32 93 43 00-1037	EA	6' Picea pungens - Colorado Green Spruce	113.16	
32 93 43 00-1038	EA	7' Picea pungens - Colorado Green Spruce	133.36	
32 93 43 00-1039	EA	8' Picea pungens - Colorado Green Spruce	153.57	
32 93 43 00-1040	EA	9' Picea pungens - Colorado Green Spruce	177.82	
32 93 43 00-1041	EA	10' Picea pungens - Colorado Green Spruce	335.43	
32 93 43 00-1042	EA	12' Picea pungens - Colorado Green Spruce	242.48	
32 93 43 00-1043	EA	14' Picea pungens - Colorado Green Spruce	282.89	
32 93 43 00-1044	EA	16' Picea pungens - Colorado Green Spruce	363.72	
32 93 43 00-1045	EA	5' Picea pungens glauca & cvs - Colorado Blue Spruce	88.91	
32 93 43 00-1046	EA	6' Picea pungens glauca & cvs - Colorado Blue Spruce	121.24	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-1047	EA	7' Picea pungens glauca & cvs - Colorado Blue Spruce	141.45	
32 93 43 00-1048	EA	8' Picea pungens glauca & cvs - Colorado Blue Spruce	161.65	
32 93 43 00-1049	EA	9' Picea pungens glauca & cvs - Colorado Blue Spruce	181.86	
32 93 43 00-1050	EA	10' Picea pungens glauca & cvs - Colorado Blue Spruce	222.27	
32 93 43 00-1051	EA	12' Picea pungens glauca & cvs - Colorado Blue Spruce	282.89	
32 93 43 00-1052	EA	16' Picea pungens glauca & cvs - Colorado Blue Spruce	424.34	
32 93 43 00-1053	EA	4' Pinus cembra - Swiss Stone Pine	68.70	
32 93 43 00-1054	EA	5' Pinus cembra - Swiss Stone Pine	84.87	
32 93 43 00-1055	EA	6' Pinus cembra - Swiss Stone Pine	105.07	
32 93 43 00-1056	EA	6' Pinus flexilis & cvs - Limber Pine	101.03	
32 93 43 00-1057	EA	7' Pinus flexilis & cvs - Limber Pine	117.20	
32 93 43 00-1058	EA	8' Pinus flexilis & cvs - Limber Pine	145.49	
32 93 43 00-1059	EA	9' Pinus flexilis & cvs - Limber Pine	177.82	
32 93 43 00-1060	EA	10' Pinus flexilis & cvs - Limber Pine	202.07	
32 93 43 00-1061	EA	2 Gallon Pinus mugo - Mugho Pine	7.96	
32 93 43 00-1062	EA	3 Gallon Pinus mugo - Mugho Pine	9.97	
32 93 43 00-1063	EA	5 Gallon Pinus mugo - Mugho Pine	12.64	
32 93 43 00-1064	EA	12" To 15" Spread Pinus mugo - Mugho Pine	9.79	
32 93 43 00-1065	EA	15" To 18" Spread Pinus mugo - Mugho Pine	11.67	
32 93 43 00-1066	EA	18" To 24" Spread Pinus mugo - Mugho Pine	15.80	
32 93 43 00-1067	EA	2' To 2-1/2' Spread Pinus mugo - Mugho Pine	22.13	
32 93 43 00-1068	EA	2-1/2' To 3' Spread Pinus mugo - Mugho Pine	28.45	
32 93 43 00-1069	EA	3' To 3-1/2' Spread Pinus mugo - Mugho Pine	35.44	
32 93 43 00-1070	EA	3-1/2' To 4' Spread Pinus mugo - Mugho Pine	43.03	
32 93 43 00-1071	EA	6' Pinus nigra - Austrian Pine	101.03	
32 93 43 00-1072	EA	7' Pinus nigra - Austrian Pine	121.24	
32 93 43 00-1073	EA	8' Pinus nigra - Austrian Pine	157.61	
32 93 43 00-1074	EA	9' Pinus nigra - Austrian Pine	181.86	
32 93 43 00-1075	EA	10' Pinus nigra - Austrian Pine	214.19	
32 93 43 00-1076	EA	12' Pinus nigra - Austrian Pine	242.48	
32 93 43 00-1077	EA	14' Pinus nigra - Austrian Pine	270.77	
32 93 43 00-1078	EA	16' Pinus nigra - Austrian Pine	307.14	
32 93 43 00-1079	EA	5' Pinus peuce - Macedonian Pine	125.28	
32 93 43 00-1080	EA	6' Pinus peuce - Macedonian Pine	157.61	
32 93 43 00-1081	EA	7' Pinus peuce - Macedonian Pine	181.86	
32 93 43 00-1082	EA	8' Pinus peuce - Macedonian Pine	206.11	
32 93 43 00-1083	EA	9' Pinus peuce - Macedonian Pine	238.44	
32 93 43 00-1084	EA	2' Pinus strobus - Pyramidal White Pine	11.19	
32 93 43 00-1085	EA	3' Pinus strobus - Pyramidal White Pine	14.95	
32 93 43 00-1086	EA	4' Pinus strobus - Pyramidal White Pine	16.50	
32 93 43 00-1087	EA	5' Pinus strobus - Pyramidal White Pine	18.04	
32 93 43 00-1088	EA	6' Pinus strobus - Pyramidal White Pine	22.48	
32 93 43 00-1089	EA	7' Pinus strobus - Pyramidal White Pine	29.91	
32 93 43 00-1090	EA	8' Pinus strobus - Pyramidal White Pine	41.10	
32 93 43 00-1091	EA	10' Pinus strobus - Pyramidal White Pine	82.01	
32 93 43 00-1092	EA	12' Pinus strobus - Pyramidal White Pine	194.89	
32 93 43 00-1093	EA	14' Pinus strobus - Pyramidal White Pine	261.47	
32 93 43 00-1094	EA	16' Pinus strobus - Pyramidal White Pine	314.53	
32 93 43 00-1095	EA	2' Pinus strobus - White Pine	17.20	
32 93 43 00-1096	EA	3' Pinus strobus - White Pine	24.54	
32 93 43 00-1097	EA	4' Pinus strobus - White Pine	39.13	
32 93 43 00-1098	EA	5' Pinus strobus - White Pine	55.77	
32 93 43 00-1099	EA	6' Pinus strobus - White Pine	81.80	
32 93 43 00-1100	EA	7' Pinus strobus - White Pine	97.60	
32 93 43 00-1101	EA	8' Pinus strobus - White Pine	131.99	
32 93 43 00-1102	EA	10' Pinus strobus - White Pine	177.53	
32 93 43 00-1103	EA	12' Pinus strobus - White Pine	235.16	
32 93 43 00-1104	EA	14' Pinus strobus - White Pine	288.14	
32 93 43 00-1105	EA	16' Pinus strobus - White Pine	350.42	
32 93 43 00-1106	EA	3' Pinus sylvestris - Scotch Pine	26.55	
32 93 43 00-1107	EA	4' Pinus sylvestris - Scotch Pine	36.86	
32 93 43 00-1108	EA	5' Pinus sylvestris - Scotch Pine	51.73	
32 93 43 00-1109	EA	6' Pinus sylvestris - Scotch Pine	71.77	
32 93 43 00-1110	EA	7' Pinus sylvestris - Scotch Pine	87.94	
32 93 43 00-1111	EA	8' Pinus sylvestris - Scotch Pine	124.15	
32 93 43 00-1112	EA	9' Pinus sylvestris - Scotch Pine	157.61	
32 93 43 00-1113	EA	10' Pinus sylvestris - Scotch Pine	181.86	
32 93 43 00-1114	EA	12' Pinus sylvestris - Scotch Pine	214.19	
32 93 43 00-1115	EA	14' Pinus sylvestris - Scotch Pine	242.48	
32 93 43 00-1116	EA	16' Pinus sylvestris - Scotch Pine	282.89	
32 93 43 00-1117	EA	5' To 6' Pinus taeda - Loblolly Pine	11.56	
32 93 43 00-1118	EA	1 Gallon Pinus thunbergiana - Japanese Black Pine	2.86	
32 93 43 00-1119	EA	5 Gallon Pinus thunbergiana - Japanese Black Pine	10.15	
32 93 43 00-1120	EA	15 Gallon Pinus thunbergiana - Japanese Black Pine	32.88	
32 93 43 00-1121	EA	2' To 3' Pinus thunbergiana - Japanese Black Pine	13.92	
32 93 43 00-1122	EA	3' To 4' Pinus thunbergiana - Japanese Black Pine	17.69	
32 93 43 00-1123	EA	4' To 5' Pinus thunbergiana - Japanese Black Pine	26.56	
32 93 43 00-1124	EA	5' To 6' Pinus thunbergiana - Japanese Black Pine	51.85	
32 93 43 00-1125	EA	6' To 7' Pinus Thunbergiana - Japanese Black Pine	58.17	
32 93 43 00-1126	EA	7' To 8' Pinus thunbergiana - Japanese Black Pine	72.70	
32 93 43 00-1127	EA	1 Gallon Pinus mugo - Mugho Pine	3.77	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-1128	EA	1 Gallon Podocarpus - Chinese Podocarpus	1.88	
32 93 43 00-1129	EA	3 Gallon Podocarpus - Chinese Podocarpus	4.38	
32 93 43 00-1130	EA	7 Gallon Podocarpus - Chinese Podocarpus	12.64	
32 93 43 00-1131	EA	15 Gallon Podocarpus - Chinese Podocarpus	20.54	
32 93 43 00-1132	EA	4' To 5' Podocarpus - Chinese Podocarpus	31.61	
32 93 43 00-1133	EA	5' Pseudotsuga menziesii - Douglas Fir	80.83	
32 93 43 00-1134	EA	6' Pseudotsuga menziesii - Douglas Fir	96.99	
32 93 43 00-1135	EA	7' Pseudotsuga menziesii - Douglas Fir	121.24	
32 93 43 00-1136	EA	8' Pseudotsuga menziesii - Douglas Fir	145.49	
32 93 43 00-1137	EA	9' Pseudotsuga menziesii - Douglas Fir	181.86	
32 93 43 00-1138	EA	10' Pseudotsuga menziesii - Douglas Fir	214.19	
32 93 43 00-1139	EA	12' Pseudotsuga menziesii - Douglas Fir	242.48	
32 93 43 00-1140	EA	5' To 6' Sequoia sempervirens - Dawn Redwood	39.51	
32 93 43 00-1141	EA	6' To 8' Sequoia sempervirens - Dawn Redwood	53.34	
32 93 43 00-1142	EA	8' To 10 Sequoia sempervirens - Dawn Redwood	65.19	
32 93 43 00-1143	EA	5' To 6' Taxodium distichum - Bald Cypress	28.08	
32 93 43 00-1144	EA	6' To 7' Taxodium distichum - Bald Cypress	35.10	
32 93 43 00-1145	EA	7' To 8' Taxodium distichum - Bald Cypress	43.40	
32 93 43 00-1146	EA	8' To 10' Taxodium distichum - Bald Cypress	54.92	
32 93 43 00-1147	EA	6' Tsuga canadensis - Northern Hemlock	80.83	
32 93 43 00-1148	EA	7' Tsuga canadensis - Northern Hemlock	101.03	
32 93 43 00-1149	EA	8' Tsuga canadensis - Northern Hemlock	137.40	
32 93 43 00-1150	EA	9' Tsuga canadensis - Northern Hemlock	161.65	
32 93 43 00-1151	EA	10' Tsuga canadensis - Northern Hemlock	181.86	
32 93 43 00-1152	EA	12' Tsuga canadensis - Northern Hemlock	202.07	
32 93 43 00-1153	EA	3' To 4' Thuja occidentalis 'Wareana' - Siberian Arborvitae	7.62	
32 93 43 00-1154	EA	3' To 4' Thuja occidentalis ' Woodwadrii' - Woodward Arborvitae	12.45	
32 93 43 00-1155	EA	6' Cedrus decurrens - Incese Cedar	67.85	
32 93 43 00-1156	EA	8' Cedrus decurrens - Incese Cedar	140.35	
32 93 43 00-1157	EA	10' Cedrus decurrens - Incese Cedar	185.90	
32 93 43 00-1158	EA	12' Cedrus decurrens - Incese Cedar	246.32	
32 93 43 00-1159	EA	6' Melaleuca linarifolia - Flaxleaf Paperbark	195.20	
32 93 43 00-1160	EA	8' Melaleuca linarifolia - Flaxleaf Paperbark	260.26	
32 93 43 00-1161	EA	10' Melaleuca linarifolia - Flaxleaf Paperbark	325.32	
32 93 43 00-1162	EA	12' Melaleuca linarifolia - Flaxleaf Paperbark	390.39	
32 93 43 00-1163	EA	24" Box Melaleuca linarifolia - Flaxleaf Paperbark	114.79	
32 93 43 00-1164	EA	6' Melaleuca quinquenervia - Cajeput Tree	195.20	
32 93 43 00-1165	EA	8' Melaleuca quinquenervia - Cajeput Tree	260.26	
32 93 43 00-1166	EA	10' Melaleuca quinquenervia - Cajeput Tree	325.32	
32 93 43 00-1167	EA	12' Melaleuca quinquenervia - Cajeput Tree	390.39	
32 93 43 00-1168	EA	24" Box Melaleuca quinquenervia - Cajeput Tree	108.75	
32 93 43 00-1169	EA	30" Box Melaleuca quinquenervia - Cajeput Tree	274.20	
32 93 43 00-1170	EA	36" Box Melaleuca quinquenervia - Cajeput Tree	432.22	
32 93 43 00-1171	EA	4' Metrosideros excelsus - New Zealand Christmas Tree	57.63	
32 93 43 00-1172	EA	5' Metrosideros excelsus - New Zealand Christmas Tree	78.08	
32 93 43 00-1173	EA	6' Metrosideros excelsus - New Zealand Christmas Tree	132.92	
32 93 43 00-1174	EA	8' Metrosideros excelsus - New Zealand Christmas Tree	164.52	
32 93 43 00-1175	EA	24" Box Metrosideros excelsus - New Zealand Christmas Tree	145.00	
32 93 43 00-1176	EA	6' Pinus canariensis - Canary Island Pine	223.08	
32 93 43 00-1177	EA	8' Pinus canariensis - Canary Island Pine	297.44	
32 93 43 00-1178	EA	10' Pinus canariensis - Canary Island Pine	371.80	
32 93 43 00-1179	EA	12' Pinus canariensis - Canary Island Pine	446.16	
32 93 43 00-1180	EA	24" Box Pinus canariensis - Canary Island Pine	132.92	
32 93 43 00-1181	EA	6' Pinus pinea - Italian Stone Pine	223.08	
32 93 43 00-1182	EA	8' Pinus pinea - Italian Stone Pine	297.44	
32 93 43 00-1183	EA	10' Pinus pinea - Italian Stone Pine	371.80	
32 93 43 00-1184	EA	12' Pinus pinea - Italian Stone Pine	446.16	
32 93 43 00-1185	EA	6' Pittosporum undulatum - Victorian Box	122.69	
32 93 43 00-1186	EA	8' Pittosporum undulatum - Victorian Box	194.27	
32 93 43 00-1187	EA	10' Pittosporum undulatum - Victorian Box	255.61	
32 93 43 00-1188	EA	6' Podocarpus gracilior - African Fern Pine	232.38	
32 93 43 00-1189	EA	8' Podocarpus gracilior - African Fern Pine	306.74	
32 93 43 00-1190	EA	10' Podocarpus gracilior - African Fern Pine	390.39	
32 93 43 00-1191	EA	12' Podocarpus gracilior - African Fern Pine	464.75	
32 93 43 00-1192	EA	24" Box Podocarpus gracilior - African Fern Pine	108.75	
32 93 43 00-1193	EA	1 Gallon Podocarpus macrophyllus - Yew Pine	4.32	
32 93 43 00-1194	EA	3 Gallon Podocarpus macrophyllus - Yew Pine	10.13	
32 93 43 00-1195	EA	5 Gallon Podocarpus macrophyllus - Yew Pine	13.29	
32 93 43 00-1196	EA	15 Gallon Podocarpus macrophyllus - Yew Pine	57.63	
32 93 43 00-1197	EA	24" Box Podocarpus macrophyllus - Yew Pine	111.54	
32 93 43 00-1198	EA	24" Box Rhus lancea - African Sumac	114.79	
32 93 43 00-1199	EA	30" Box Rhus lancea - African Sumac	185.90	
32 93 43 00-1200	EA	8' Rhus lancea - African Sumac	278.85	
32 93 43 00-1201	EA	10' Rhus lancea - African Sumac	311.38	
32 93 43 00-1202	EA	12' Rhus lancea - African Sumac	371.80	

32 93 43 00-1203 **Palm And Subtropical Trees** *(32 93 43)*

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-1204	EA	4' To 5' Acacia baileyana - Bailey Acacia	262.50	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-1205	EA	6' Acacia baileyana - Bailey Acacia	315.00	
32 93 43 00-1206	EA	8' Acacia baileyana - Bailey Acacia	367.50	
32 93 43 00-1207	EA	10' Acacia baileyana - Bailey Acacia	459.38	
32 93 43 00-1208	EA	6' Agonis flexuosa - Peppermint	157.50	
32 93 43 00-1209	EA	8' Agonis flexuosa - Peppermint	196.88	
32 93 43 00-1210	EA	10' Agonis flexuosa - Peppermint	236.25	
32 93 43 00-1211	EA	24" Box Agonis flexuosa - Peppermint	196.22	
32 93 43 00-1212	EA	4' To 5' Archontophoenix cunninghamiana - King Palm	64.97	
32 93 43 00-1213	EA	6' To 8' Archontophoenix cunninghamiana - King Palm	101.06	
32 93 43 00-1214	EA	8' To 10' Archontophoenix cunninghamiana - King Palm	129.94	
32 93 43 00-1215	EA	10' To 12' Archontophoenix cunninghamiana - King Palm	173.25	
32 93 43 00-1216	EA	4' To 5' Arecastrum romanzoffianum - Queen Palm	49.22	
32 93 43 00-1217	EA	6' To 8' Arecastrum romanzoffianum - Queen Palm	68.91	
32 93 43 00-1218	EA	8' To 10' Arecastrum romanzoffianum - Queen Palm	88.59	
32 93 43 00-1219	EA	10' To 12' Arecastrum romanzoffianum - Queen Palm	108.28	
32 93 43 00-1220	EA	12' To 14' Arecastrum romanzoffianum - Queen Palm	131.25	
32 93 43 00-1221	EA	14' To 16' Arecastrum romanzoffianum - Queen Palm	164.06	
32 93 43 00-1222	EA	6' Bauhinia purpurea - Purple Orchid Tree	354.38	
32 93 43 00-1223	EA	8' Bauhinia purpurea - Purple Orchid Tree	472.50	
32 93 43 00-1224	EA	10' Bauhinia purpurea - Purple Orchid Tree	590.62	
32 93 43 00-1225	EA	24" Box Bauhinia purpurea - Purple Orchid Tree	153.56	
32 93 43 00-1226	EA	6' Bauhinia variegata candida - White Orchid Tree	393.75	
32 93 43 00-1227	EA	8' Bauhinia variegata candida - White Orchid Tree	525.00	
32 93 43 00-1228	EA	10' Bauhinia variegata candida - White Orchid Tree	656.25	
32 93 43 00-1229	EA	4' To 5' Bauninia blakeana - Hong Kong Orchid	282.19	
32 93 43 00-1230	EA	6' Bauninia blakeana - Hong Kong Orchid	334.69	
32 93 43 00-1231	EA	8' Bauninia blakeana - Hong Kong Orchid	446.25	
32 93 43 00-1232	EA	10' Bauninia blakeana - Hong Kong Orchid	557.81	
32 93 43 00-1233	EA	6' Callistemon citrinus - Crimson or Lemon Bottle Brush	354.38	
32 93 43 00-1234	EA	8' Callistemon citrinus - Crimson or Lemon Bottle Brush	472.50	
32 93 43 00-1235	EA	10' Callistemon citrinus - Crimson or Lemon Bottle Brush	590.62	
32 93 43 00-1236	EA	6' Callistemon viminalis - Weeping Bottle Brush	354.38	
32 93 43 00-1237	EA	8' Callistemon viminalis - Weeping Bottle Brush	472.50	
32 93 43 00-1238	EA	10' Callistemon viminalis - Weeping Bottle Brush	590.62	
32 93 43 00-1239	EA	12' Callistemon viminalis - Weeping Bottle Brush	708.75	
32 93 43 00-1240	EA	3' To 4' Chamaedorea radicalis - Dwarf Bamboo Palm	137.81	
32 93 43 00-1241	EA	5' To 6' Chamaedorea radicalis - Dwarf Bamboo Palm	216.56	
32 93 43 00-1242	EA	3' To 4' Chamaerops humilis - European Fan Palm	118.12	
32 93 43 00-1243	EA	5' To 6' Chamaerops humilis - European Fan Palm	157.50	
32 93 43 00-1244	EA	7' To 8' Chamaerops humilis - European Fan Palm	367.50	
32 93 43 00-1245	EA	9' To 10' Chamaerops humilis - European Fan Palm	630.00	
32 93 43 00-1246	EA	6' To 7' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	91.88	
32 93 43 00-1247	EA	8' To 10' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	183.75	
32 93 43 00-1248	EA	10' To 12' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	236.25	
32 93 43 00-1249	EA	12' To 14' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	328.12	
32 93 43 00-1250	EA	12' To 16' Cocos nucifera - Coconut Palm	276.77	
32 93 43 00-1251	EA	6' Eriobotrya deflexa - Bronze Loquat	354.38	
32 93 43 00-1252	EA	8' Eriobotrya deflexa - Bronze Loquat	472.50	
32 93 43 00-1253	EA	10' Eriobotrya deflexa - Bronze Loquat	590.62	
32 93 43 00-1254	EA	6' Eucalyptus erythrocorys - Red Cap Gum	354.38	
32 93 43 00-1255	EA	8' Eucalyptus erythrocorys - Red Cap Gum	472.50	
32 93 43 00-1256	EA	10' Eucalyptus erythrocorys - Red Cap Gum	590.62	
32 93 43 00-1257	EA	6' Eucalyptus gunnii - Cider Gum	354.38	
32 93 43 00-1258	EA	8' Eucalyptus gunnii - Cider Gum	472.50	
32 93 43 00-1259	EA	10' Eucalyptus gunnii - Cider Gum	590.62	
32 93 43 00-1260	EA	6' Eucalyptus leucoxylon - White Ironbark	354.38	
32 93 43 00-1261	EA	8' Eucalyptus leucoxylon - White Ironbark	472.50	
32 93 43 00-1262	EA	10' Eucalyptus leucoxylon - White Ironbark	590.62	
32 93 43 00-1263	EA	12' Eucalyptus leucoxylon - White Ironbark	708.75	
32 93 43 00-1264	EA	6' Eucalyptus polyanthemos - Silver Dollar Gum	354.38	
32 93 43 00-1265	EA	8' Eucalyptus polyanthemos - Silver Dollar Gum	472.50	
32 93 43 00-1266	EA	10' Eucalyptus polyanthemos - Silver Dollar Gum	590.62	
32 93 43 00-1267	EA	6' Eucalyptus torquala - Coral Gum	354.38	
32 93 43 00-1268	EA	8' Eucalyptus torquala - Coral Gum	472.50	
32 93 43 00-1269	EA	10' Eucalyptus torquala - Coral Gum	590.62	
32 93 43 00-1270	EA	8' Fraxinus oxycarpa "Raywood" - Raywood Ash	367.50	
32 93 43 00-1271	EA	10' Fraxinus oxycarpa "Raywood" - Raywood Ash	498.75	
32 93 43 00-1272	EA	12' Fraxinus oxycarpa "Raywood" - Raywood Ash	616.88	
32 93 43 00-1273	EA	6' Jacarandra acutifolia - Jacaranda	354.38	
32 93 43 00-1274	EA	8' Jacarandra acutifolia - Jacaranda	472.50	
32 93 43 00-1275	EA	10' Jacarandra acutifolia - Jacaranda	590.62	
32 93 43 00-1276	EA	24" Box Jacarandra acutifolia - Jacaranda	153.56	
32 93 43 00-1277	EA	6' Olea europaea - Olive "Fruitless"	354.38	
32 93 43 00-1278	EA	8' Olea europaea - Olive "Fruitless"	472.50	
32 93 43 00-1279	EA	10' Olea europaea - Olive "Fruitless"	590.62	
32 93 43 00-1280	EA	12' Olea europaea - Olive "Fruitless"	708.75	
32 93 43 00-1281	EA	24" Box Olea europaea - Olive "Fruitless"	435.75	
32 93 43 00-1282	EA	5 Gallon Pistacia chinensis - Chinese Pistache	23.62	
32 93 43 00-1283	EA	15 Gallon Pistacia chinensis - Chinese Pistache	78.75	
32 93 43 00-1284	EA	24" Box Pistacia chinensis - Chinese Pistache	305.81	
32 93 43 00-1285	EA	36" Box Pistacia chinensis - Chinese Pistache	813.75	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-1286	EA	48" Box Pistacia chinensis - Chinese Pistache	1,732.50	
32 93 43 00-1287	EA	5 Gallon Pyrus kawakamii - Evergreen Pear, Single	24.41	
32 93 43 00-1288	EA	15 Gallon Pyrus kawakamii - Evergreen Pear, Single	81.38	
32 93 43 00-1289	EA	24" Box Pyrus kawakamii - Evergreen Pear, Single	305.81	
32 93 43 00-1290	EA	30" Box Pyrus kawakamii - Evergreen Pear, Single	559.12	
32 93 43 00-1291	EA	36" Box Pyrus kawakamii - Evergreen Pear, Single	813.75	
32 93 43 00-1292	EA	5 Gallon Pyrus kawakamii - Evergreen Pear, Multi	24.41	
32 93 43 00-1293	EA	15 Gallon Pyrus kawakamii - Evergreen Pear, Multi	86.62	
32 93 43 00-1294	EA	24" Box Pyrus kawakamii - Evergreen Pear, Multi	315.00	
32 93 43 00-1295	EA	30" Box Pyrus kawakamii - Evergreen Pear, Multi	559.12	
32 93 43 00-1296	EA	36" Box Pyrus kawakamii - Evergreen Pear, Multi	813.75	
32 93 43 00-1297	EA	9' Ptychosperma elegans - Alexander Palm, Solitaire Palm	98.44	
32 93 43 00-1298	EA	11' Ptychosperma elegans - Alexander Palm, Solitaire Palm	164.06	
32 93 43 00-1299	EA	15' Ptychosperma elegans - Alexander Palm, Solitaire Palm	249.38	
32 93 43 00-1300	EA	17' Ptychosperma elegans - Alexander Palm, Solitaire Palm	282.19	
32 93 43 00-1301	EA	20' Ptychosperma elegans - Alexander Palm, Solitaire Palm	328.12	
32 93 43 00-1302	EA	4' To 5' Rhapis excelsa - Lady Palm	249.38	
32 93 43 00-1303	EA	6' To 7' Rhapis excelsa - Lady Palm	354.38	
32 93 43 00-1304	EA	8' To 9' Roystonea regia - Royal Palm	200.81	
32 93 43 00-1305	EA	10' To 11' Roystonea regia - Royal Palm	245.44	
32 93 43 00-1306	EA	12' To 13' Roystonea regia - Royal Palm	290.06	
32 93 43 00-1307	EA	14' To 15' Roystonea regia - Royal Palm	334.69	
32 93 43 00-1308	EA	16' To 17' Roystonea regia - Royal Palm	379.31	
32 93 43 00-1309	EA	18' To 19' Roystonea regia - Royal Palm	423.94	
32 93 43 00-1310	EA	20' To 21' Roystonea regia - Royal Palm	468.56	
32 93 43 00-1311	EA	10' To 16' Sabal palmetto - Cabbage Palm	101.49	
32 93 43 00-1312	EA	6' To 7' Thrinax morrisii - Key Thatch Palm	275.62	
32 93 43 00-1313	EA	8' To 9' Thrinax morrisii - Key Thatch Palm	354.38	
32 93 43 00-1314	EA	10' To 11' Thrinax morrisii - Key Thatch Palm	433.12	
32 93 43 00-1315	EA	6' Washingtonia robusta - Mexican Fan Palm	354.38	
32 93 43 00-1316	EA	8' Washingtonia robusta - Mexican Fan Palm	472.50	
32 93 43 00-1317	EA	10' Washingtonia robusta - Mexican Fan Palm	590.62	
32 93 43 00-1318	EA	12' Washingtonia robusta - Mexican Fan Palm	708.75	

32 93 53 Planting Of Trees, Shrubs And Ground Cover *(32 93)*

Note: Includes moving plant(s) from truck or staging site to planting site, excavation of hole, placing plant in hole, backfill and compaction. Use appropriate gallon, height or caliper size to match with description from plant section.

32 93 53 00-0001 Planting Trees *(32 93 53)*

32 93 53 00-0002	EA	3" To 5" Bare Root Seedlings Tree Planting	1.06	
32 93 53 00-0003	EA	6" To 10" Bare Root Seedlings Tree Planting	1.71	
32 93 53 00-0004	EA	11" To 16" Bare Root Seedlings Tree Planting	2.14	
32 93 53 00-0005	EA	17" To 24" Bare Root Seedlings Tree Planting	3.41	
32 93 53 00-0006	EA	1 Gallon Container Tree Planting	17.07	
		For >10 To 25, Deduct	*-0.85*	
		For >25 To 50, Deduct	*-2.13*	
		For >50 To 100, Deduct	*-3.41*	
		For >100, Deduct	*-5.12*	
32 93 53 00-0007	EA	2 Gallon Container Tree Planting	23.91	
		For >10 To 25, Deduct	*-1.20*	
		For >25 To 50, Deduct	*-2.99*	
		For >50 To 100, Deduct	*-4.78*	
		For >100, Deduct	*-7.17*	
32 93 53 00-0008	EA	3 Gallon Container Tree Planting	30.74	
		For >10 To 25, Deduct	*-1.54*	
		For >25 To 50, Deduct	*-3.84*	
		For >50 To 100, Deduct	*-6.15*	
		For >100, Deduct	*-9.22*	
32 93 53 00-0009	EA	5 Gallon Container Tree Planting	51.23	
		For >10 To 25, Deduct	*-2.56*	
		For >25 To 50, Deduct	*-6.40*	
		For >50 To 100, Deduct	*-10.25*	
		For >100, Deduct	*-15.37*	
32 93 53 00-0010	EA	7 Gallon Container Tree Planting	68.32	
		For >10 To 25, Deduct	*-3.42*	
		For >25 To 50, Deduct	*-8.54*	
		For >50 To 100, Deduct	*-13.66*	
		For >100, Deduct	*-20.50*	
32 93 53 00-0011	EA	10 Gallon Container Tree Planting	88.80	
		For >10 To 25, Deduct	*-4.44*	
		For >25 To 50, Deduct	*-11.10*	
		For >50 To 100, Deduct	*-17.76*	
		For >100, Deduct	*-26.64*	
32 93 53 00-0012	EA	15 Gallon Container Tree Planting	126.38	
		For >10 To 25, Deduct	*-6.32*	
		For >25 To 50, Deduct	*-15.80*	
		For >50 To 100, Deduct	*-25.28*	
		For >100, Deduct	*-37.91*	
32 93 53 00-0013	EA	20 Gallon Container Tree Planting	208.35	
		For >10 To 25, Deduct	*-10.42*	
		For >25 To 50, Deduct	*-26.04*	
		For >50 To 100, Deduct	*-41.67*	
		For >100, Deduct	*-62.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 53 00-0014	EA	25 Gallon Container Tree Planting	269.84	
		For >10 To 25, Deduct	*-13.49*	
		For >25 To 50, Deduct	*-33.73*	
		For >50 To 100, Deduct	*-53.97*	
		For >100, Deduct	*-80.95*	
32 93 53 00-0015	EA	30 Gallon Container Tree Planting	324.49	
		For >10 To 25, Deduct	*-16.22*	
		For >25 To 50, Deduct	*-40.56*	
		For >50 To 100, Deduct	*-64.90*	
		For >100, Deduct	*-97.35*	
32 93 53 00-0016	EA	45 Gallon Container Tree Planting	403.05	
		For >10 To 25, Deduct	*-20.15*	
		For >25 To 50, Deduct	*-50.38*	
		For >50 To 100, Deduct	*-80.61*	
		For >100, Deduct	*-120.92*	
32 93 53 00-0017	EA	65 Gallon Container Tree Planting	478.19	
		For >10 To 25, Deduct	*-23.91*	
		For >25 To 50, Deduct	*-59.77*	
		For >50 To 100, Deduct	*-95.64*	
		For >100, Deduct	*-143.46*	
32 93 53 00-0018	EA	6' Balled And Burlapped Tree Planting	170.78	
		For >10 To 25, Deduct	*-8.54*	
		For >25 To 50, Deduct	*-21.35*	
		For >50 To 100, Deduct	*-34.16*	
		For >100, Deduct	*-51.23*	
32 93 53 00-0019	EA	7' Balled And Burlapped Tree Planting	227.49	
		For >10 To 25, Deduct	*-11.37*	
		For >25 To 50, Deduct	*-28.44*	
		For >50 To 100, Deduct	*-45.50*	
		For >100, Deduct	*-68.25*	
32 93 53 00-0020	EA	8' Balled And Burlapped Tree Planting	256.18	
		For >10 To 25, Deduct	*-12.81*	
		For >25 To 50, Deduct	*-32.02*	
		For >50 To 100, Deduct	*-51.24*	
		For >100, Deduct	*-76.85*	
32 93 53 00-0021	EA	10' Balled And Burlapped Tree Planting	298.87	
		For >10 To 25, Deduct	*-14.94*	
		For >25 To 50, Deduct	*-37.36*	
		For >50 To 100, Deduct	*-59.77*	
		For >100, Deduct	*-89.66*	
32 93 53 00-0022	EA	12' Balled And Burlapped Tree Planting	399.63	
		For >10 To 25, Deduct	*-19.98*	
		For >25 To 50, Deduct	*-49.95*	
		For >50 To 100, Deduct	*-79.93*	
		For >100, Deduct	*-119.89*	
32 93 53 00-0023	EA	14' Balled And Burlapped Tree Planting	457.70	
		For >10 To 25, Deduct	*-22.89*	
		For >25 To 50, Deduct	*-57.21*	
		For >50 To 100, Deduct	*-91.54*	
		For >100, Deduct	*-137.31*	
32 93 53 00-0024	EA	16' Balled And Burlapped Tree Planting	555.05	
		For >10 To 25, Deduct	*-27.75*	
		For >25 To 50, Deduct	*-69.38*	
		For >50 To 100, Deduct	*-111.01*	
		For >100, Deduct	*-166.52*	
32 93 53 00-0025	EA	18' Balled And Burlapped Tree Planting	666.05	
		For >10 To 25, Deduct	*-33.30*	
		For >25 To 50, Deduct	*-83.26*	
		For >50 To 100, Deduct	*-133.21*	
		For >100, Deduct	*-199.82*	
32 93 53 00-0026	EA	20' Balled And Burlapped Tree Planting	768.53	
		For >10 To 25, Deduct	*-38.43*	
		For >25 To 50, Deduct	*-96.07*	
		For >50 To 100, Deduct	*-153.71*	
		For >100, Deduct	*-230.56*	
32 93 53 00-0027	EA	1-1/2" Caliber Balled And Burlapped Tree Planting	256.18	
		For >10 To 25, Deduct	*-12.81*	
		For >25 To 50, Deduct	*-32.02*	
		For >50 To 100, Deduct	*-51.24*	
		For >100, Deduct	*-76.85*	
32 93 53 00-0028	EA	2" Caliber Balled And Burlapped Tree Planting	298.87	
		For >10 To 25, Deduct	*-14.94*	
		For >25 To 50, Deduct	*-37.36*	
		For >50 To 100, Deduct	*-59.77*	
		For >100, Deduct	*-89.66*	
32 93 53 00-0029	EA	2-1/2" Caliber Balled And Burlapped Tree Planting	401.34	
		For >10 To 25, Deduct	*-20.07*	
		For >25 To 50, Deduct	*-50.17*	
		For >50 To 100, Deduct	*-80.27*	
		For >100, Deduct	*-120.40*	
32 93 53 00-0030	EA	3" Caliber Balled And Burlapped Tree Planting	461.12	
		For >10 To 25, Deduct	*-23.06*	
		For >25 To 50, Deduct	*-57.64*	
		For >50 To 100, Deduct	*-92.22*	
		For >100, Deduct	*-138.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 53 00-0031	EA	3-1/2" Caliber Balled And Burlapped Tree Planting	512.35	
		For >10 To 25, Deduct	*-25.62*	
		For >25 To 50, Deduct	*-64.04*	
		For >50 To 100, Deduct	*-102.47*	
		For >100, Deduct	*-153.71*	
32 93 53 00-0032	EA	4" Caliber Balled And Burlapped Tree Planting	587.49	
		For >10 To 25, Deduct	*-29.37*	
		For >25 To 50, Deduct	*-73.44*	
		For >50 To 100, Deduct	*-117.50*	
		For >100, Deduct	*-176.25*	

32 93 53 00-0033 Planting Shrubs *(32 93 53)*

32 93 53 00-0034	EA	1 Gallon Container Shrub Planting	14.53	
		For >10 To 25, Deduct	*-0.73*	
		For >25 To 50, Deduct	*-1.82*	
		For >50 To 100, Deduct	*-2.91*	
		For >100, Deduct	*-4.36*	
32 93 53 00-0035	EA	2 Gallon Container Shrub Planting	20.50	
		For >10 To 25, Deduct	*-1.03*	
		For >25 To 50, Deduct	*-2.56*	
		For >50 To 100, Deduct	*-4.10*	
		For >100, Deduct	*-6.15*	
32 93 53 00-0036	EA	3 Gallon Container Shrub Planting	25.62	
		For >10 To 25, Deduct	*-1.28*	
		For >25 To 50, Deduct	*-3.20*	
		For >50 To 100, Deduct	*-5.12*	
		For >100, Deduct	*-7.69*	
32 93 53 00-0037	EA	4 Gallon Container Shrub Planting	34.16	
		For >10 To 25, Deduct	*-1.71*	
		For >25 To 50, Deduct	*-4.27*	
		For >50 To 100, Deduct	*-6.83*	
		For >100, Deduct	*-10.25*	
32 93 53 00-0038	EA	5 Gallon Container Shrub Planting	42.70	
		For >10 To 25, Deduct	*-2.14*	
		For >25 To 50, Deduct	*-5.34*	
		For >50 To 100, Deduct	*-8.54*	
		For >100, Deduct	*-12.81*	
32 93 53 00-0039	EA	7 Gallon Container Shrub Planting	58.07	
		For >10 To 25, Deduct	*-2.90*	
		For >25 To 50, Deduct	*-7.26*	
		For >50 To 100, Deduct	*-11.61*	
		For >100, Deduct	*-17.42*	
32 93 53 00-0040	EA	10 Gallon Container Shrub Planting	76.85	
		For >10 To 25, Deduct	*-3.84*	
		For >25 To 50, Deduct	*-9.61*	
		For >50 To 100, Deduct	*-15.37*	
		For >100, Deduct	*-23.06*	
32 93 53 00-0041	EA	15 Gallon Container Shrub Planting	105.89	
		For >10 To 25, Deduct	*-5.29*	
		For >25 To 50, Deduct	*-13.24*	
		For >50 To 100, Deduct	*-21.18*	
		For >100, Deduct	*-31.77*	
32 93 53 00-0042	EA	20 Gallon Container Shrub Planting	177.62	
		For >10 To 25, Deduct	*-8.88*	
		For >25 To 50, Deduct	*-22.20*	
		For >50 To 100, Deduct	*-35.52*	
		For >100, Deduct	*-53.29*	
32 93 53 00-0043	EA	25 Gallon Container Shrub Planting	227.49	
		For >10 To 25, Deduct	*-11.37*	
		For >25 To 50, Deduct	*-28.44*	
		For >50 To 100, Deduct	*-45.50*	
		For >100, Deduct	*-68.25*	
32 93 53 00-0044	EA	15" Balled And Burlapped Shrub Planting	47.82	
		For >10 To 25, Deduct	*-2.39*	
		For >25 To 50, Deduct	*-5.98*	
		For >50 To 100, Deduct	*-9.56*	
		For >100, Deduct	*-14.35*	
32 93 53 00-0045	EA	18" Balled And Burlapped Shrub Planting	49.53	
		For >10 To 25, Deduct	*-2.48*	
		For >25 To 50, Deduct	*-6.19*	
		For >50 To 100, Deduct	*-9.91*	
		For >100, Deduct	*-14.86*	
32 93 53 00-0046	EA	24" Balled And Burlapped Shrub Planting	54.65	
		For >10 To 25, Deduct	*-2.73*	
		For >25 To 50, Deduct	*-6.83*	
		For >50 To 100, Deduct	*-10.93*	
		For >100, Deduct	*-16.40*	
32 93 53 00-0047	EA	30" Balled And Burlapped Shrub Planting	54.65	
		For >10 To 25, Deduct	*-2.73*	
		For >25 To 50, Deduct	*-6.83*	
		For >50 To 100, Deduct	*-10.93*	
		For >100, Deduct	*-16.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 53 00-0048	EA	36" Balled And Burlapped Shrub Planting	59.77	
		For >10 To 25, Deduct	*-2.99*	
		For >25 To 50, Deduct	*-7.47*	
		For >50 To 100, Deduct	*-11.95*	
		For >100, Deduct	*-17.93*	
32 93 53 00-0049	EA	42" Balled And Burlapped Shrub Planting	63.19	
		For >10 To 25, Deduct	*-3.16*	
		For >25 To 50, Deduct	*-7.90*	
		For >50 To 100, Deduct	*-12.64*	
		For >100, Deduct	*-18.96*	
32 93 53 00-0050	EA	48" Balled And Burlapped Shrub Planting	68.32	
		For >10 To 25, Deduct	*-3.42*	
		For >25 To 50, Deduct	*-8.54*	
		For >50 To 100, Deduct	*-13.66*	
		For >100, Deduct	*-20.50*	
32 93 53 00-0051	EA	5' Balled And Burlapped Shrub Planting	102.47	
		For >10 To 25, Deduct	*-5.12*	
		For >25 To 50, Deduct	*-12.81*	
		For >50 To 100, Deduct	*-20.49*	
		For >100, Deduct	*-30.74*	
32 93 53 00-0052	EA	6' Balled And Burlapped Shrub Planting	145.16	
		For >10 To 25, Deduct	*-7.26*	
		For >25 To 50, Deduct	*-18.15*	
		For >50 To 100, Deduct	*-29.03*	
		For >100, Deduct	*-43.55*	
32 93 53 00-0053	EA	7' Balled And Burlapped Shrub Planting	192.99	
		For >10 To 25, Deduct	*-9.65*	
		For >25 To 50, Deduct	*-24.12*	
		For >50 To 100, Deduct	*-38.60*	
		For >100, Deduct	*-57.90*	
32 93 53 00-0054	EA	8' Balled And Burlapped Shrub Planting	218.61	
		For >10 To 25, Deduct	*-10.93*	
		For >25 To 50, Deduct	*-27.33*	
		For >50 To 100, Deduct	*-43.72*	
		For >100, Deduct	*-65.58*	
32 93 53 00-0055	EA	9' Balled And Burlapped Shrub Planting	235.68	
		For >10 To 25, Deduct	*-11.78*	
		For >25 To 50, Deduct	*-29.46*	
		For >50 To 100, Deduct	*-47.14*	
		For >100, Deduct	*-70.70*	
32 93 53 00-0056	EA	10' Balled And Burlapped Shrub Planting	256.18	
		For >10 To 25, Deduct	*-12.81*	
		For >25 To 50, Deduct	*-32.02*	
		For >50 To 100, Deduct	*-51.24*	
		For >100, Deduct	*-76.85*	

32 93 53 00-0057 Planting Groundcover, Vines, Perennials, Annuals And Bulbs *(32 93 53)*

32 93 53 00-0058	EA	2-1/4" Diameter Potted Groundcover And Flower Planting	1.42	
		For >10 To 25, Deduct	*-0.07*	
		For >25 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.28*	
		For >100, Deduct	*-0.43*	
32 93 53 00-0059	EA	3" Diameter Potted Groundcover And Flower Planting	1.62	
		For >10 To 25, Deduct	*-0.08*	
		For >25 To 50, Deduct	*-0.20*	
		For >50 To 100, Deduct	*-0.32*	
		For >100, Deduct	*-0.49*	
32 93 53 00-0060	EA	4" Diameter Potted Groundcover And Flower Planting	1.90	
		For >10 To 25, Deduct	*-0.10*	
		For >25 To 50, Deduct	*-0.24*	
		For >50 To 100, Deduct	*-0.38*	
		For >100, Deduct	*-0.57*	
32 93 53 00-0061	EA	5-1/2" Diameter Potted Groundcover And Flower Planting	2.28	
		For >10 To 25, Deduct	*-0.11*	
		For >25 To 50, Deduct	*-0.29*	
		For >50 To 100, Deduct	*-0.46*	
		For >100, Deduct	*-0.68*	
32 93 53 00-0062	EA	6" Diameter Potted Groundcover And Flower Planting	2.85	
		For >10 To 25, Deduct	*-0.14*	
		For >25 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-0.57*	
		For >100, Deduct	*-0.86*	
32 93 53 00-0063	EA	8" Diameter Potted Groundcover And Flower Planting	4.27	
		For >10 To 25, Deduct	*-0.21*	
		For >25 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-0.85*	
		For >100, Deduct	*-1.28*	
32 93 53 00-0064	EA	1 Gallon Container Groundcover And Flower Planting	13.66	
		For >10 To 25, Deduct	*-0.68*	
		For >25 To 50, Deduct	*-1.71*	
		For >50 To 100, Deduct	*-2.73*	
		For >100, Deduct	*-4.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 53 00-0065	EA	2 Gallon Container Groundcover And Flower Planting	18.79	
		For >10 To 25, Deduct	*-0.94*	
		For >25 To 50, Deduct	*-2.35*	
		For >50 To 100, Deduct	*-3.76*	
		For >100, Deduct	*-5.64*	
32 93 53 00-0066	EA	3 Gallon Container Groundcover And Flower Planting	23.91	
		For >10 To 25, Deduct	*-1.20*	
		For >25 To 50, Deduct	*-2.99*	
		For >50 To 100, Deduct	*-4.78*	
		For >100, Deduct	*-7.17*	
32 93 53 00-0067	EA	4 Gallon Container Groundcover And Flower Planting	30.74	
		For >10 To 25, Deduct	*-1.54*	
		For >25 To 50, Deduct	*-3.84*	
		For >50 To 100, Deduct	*-6.15*	
		For >100, Deduct	*-9.22*	
32 93 53 00-0068	EA	5 Gallon Container Groundcover And Flower Planting	37.57	
		For >10 To 25, Deduct	*-1.88*	
		For >25 To 50, Deduct	*-4.70*	
		For >50 To 100, Deduct	*-7.51*	
		For >100, Deduct	*-11.27*	
32 93 53 00-0069	EA	7 Gallon Container Groundcover And Flower Planting	51.23	
		For >10 To 25, Deduct	*-2.56*	
		For >25 To 50, Deduct	*-6.40*	
		For >50 To 100, Deduct	*-10.25*	
		For >100, Deduct	*-15.37*	
32 93 53 00-0070	EA	Up To 25 Each Bulb Planting	0.85	
32 93 53 00-0071	EA	26 To 50 Each Bulb Planting	0.76	
32 93 53 00-0072	LOT	Lots Of 50 Bulb Planting	31.82	
32 93 53 00-0073	LOT	Lots Of 60 Bulb Planting	38.19	
32 93 53 00-0074	LOT	Lots Of 100 Bulb Planting	57.28	
32 93 53 00-0075	EA	Flats Of 24 Groundcover And Flower Planting	23.91	
		For >10 To 25, Deduct	*-1.20*	
		For >25, Deduct	*-2.99*	
32 93 53 00-0076	EA	Flats Of 36 Groundcover And Flower Planting	33.91	
		For >10 To 25, Deduct	*-1.70*	
		For >25, Deduct	*-4.24*	
32 93 53 00-0077	EA	Flats Of 48 Groundcover And Flower Planting	45.15	
		For >10 To 25, Deduct	*-2.26*	
		For >25, Deduct	*-5.64*	

32 93 53 00-0078 Tree Pits *(32 93 53)*

Note: Costs given show the tree pit size accommodates the soil ball and the type of soil excavated includes excavation, bank run sand and gravel fill for drainage, imported mix planting soil, hand backfill, perforated drainage pipe for watering, and drainage fabric. Includes one layer of woven fabric to be applied before mulch is spread. Excludes additional soil conditioners or mulch.

32 93 53 00-0079	EA	2' x 1-1/4' Deep Tree Pit	79.94	
32 93 53 00-0080	EA	2' x 2-1/2' Deep Tree Pit	119.88	
32 93 53 00-0081	EA	2-1/2' x 1-1/2' Deep Tree Pit	155.37	
32 93 53 00-0082	EA	2-1/2' x 3' Deep Tree Pit	233.02	
32 93 53 00-0083	EA	3' x 1-3/4' Deep Tree Pit	238.85	
32 93 53 00-0084	EA	3' x 3-1/2' Deep Tree Pit	356.27	
32 93 53 00-0085	EA	3-1/2' x 1-3/4' Deep Tree Pit	292.08	
32 93 53 00-0086	EA	3-1/2' x 3-1/2' Deep Tree Pit	437.47	
32 93 53 00-0087	EA	4' x 2' Deep Tree Pit	348.89	
32 93 53 00-0088	EA	4' x 4' Deep Tree Pit	523.04	
32 93 53 00-0089	EA	4-1/2' x 2' Deep Tree Pit	501.23	
32 93 53 00-0090	EA	4-1/2' x 4' Deep Tree Pit	753.44	
32 93 53 00-0091	EA	5' x 2-1/4' Deep Tree Pit	666.72	
32 93 53 00-0092	EA	5' x 4-1/2' Deep Tree Pit	992.54	
32 93 53 00-0093	EA	6' x 2-1/2' Deep Tree Pit	945.58	
32 93 53 00-0094	EA	6' x 5' Deep Tree Pit	1,416.11	
32 93 53 00-0095	EA	7' x 3' Deep Tree Pit	1,592.33	
32 93 53 00-0096	EA	7' x 6' Deep Tree Pit	2,402.24	
32 93 53 00-0097	EA	8' x 3-1/4' Deep Tree Pit	2,186.89	
32 93 53 00-0098	EA	8' x 6-1/2' Deep Tree Pit	3,278.83	

32 94 Planting Accessories *(32 90)*

32 94 13 Landscape Edging *(32 94)*

Note: Including stakes.

32 94 13 00-0001 Landscape Edging *(32 94 13)*

Note: Includes stakes.

32 94 13 00-0002	LF	1/8" x 4", Mill Finish, Aluminum Alloy Landscape Edging	6.43	2.07
32 94 13 00-0003	LF	1/8" x 4", Black Paint, Aluminum Alloy Landscape Edging	6.90	2.07
32 94 13 00-0004	LF	1/8" x 4", Black Anodized, Aluminum Alloy Landscape Edging	6.93	2.07
32 94 13 00-0005	LF	3/16" x 4", Mill Finish, Aluminum Alloy Landscape Edging	7.80	2.14
32 94 13 00-0006	LF	3/16" x 4", Black Paint, Aluminum Alloy Landscape Edging	8.38	2.14
32 94 13 00-0007	LF	3/16" x 4", Black Anodized, Aluminum Alloy Landscape Edging	8.37	2.14
32 94 13 00-0008	LF	1/8" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging	7.12	2.21
32 94 13 00-0009	LF	1/8" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging	7.77	2.21
32 94 13 00-0010	LF	1/8" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging	7.84	2.21

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 13 00-0011	LF	3/16" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging	8.70	2.28
32 94 13 00-0012	LF	3/16" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging	9.35	2.28
32 94 13 00-0013	LF	3/16" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging	9.40	2.28
32 94 13 00-0014	LF	3/16" x 4" Powder Coated Steel Landscape Edging	7.76	2.14
32 94 13 00-0015	LF	1/4" x 5" Powder Coated Steel Landscape Edging	10.33	2.14
32 94 13 00-0016	LF	4-1/2" x 12" Granite Edging	21.27	9.64
32 94 13 00-0017	LF	2" x 8" x 16" Precast Scallops, Green	4.27	1.44
32 94 13 00-0018	LF	2" x 8" x 16" Precast Scallops, Other Than Green	4.00	1.44
32 94 13 00-0019	LF	Brick, Set Horizontally, 1-1/2 Per LF	4.27	1.59
32 94 13 00-0020	LF	Brick, Set Horizontally, 3 Per LF	10.90	4.33
32 94 13 00-0021	LF	"V" Trenching By Machine, 4" Deep x 4" Wide	1.74	

32 94 16 Landscape Timbers *(32 94)*

32 94 16 00-0001	LF	6" x 8" Railroad Ties	10.79	3.43
32 94 16 00-0002	LF	7" x 9" Railroad Ties	12.98	4.31
32 94 16 00-0003	LF	1" x 4" Redwood	3.82	1.24
32 94 16 00-0004	LF	2" x 4" Redwood Edging	5.21	1.87
32 94 16 00-0005	LF	4" x 6" Pressure Treated Hardwood	6.03	2.50
32 94 16 00-0006	LF	6" x 6" Pressure Treated Hardwood	7.70	3.12
32 94 16 00-0007	LF	6" x 8" Pressure Treated Hardwood	9.02	3.67
32 94 16 00-0008	LF	1" x 4" Pressure Treated Pine	2.68	1.24
32 94 16 00-0009	LF	2" x 4" Pressure Treated Pine	4.01	1.87
32 94 16 00-0010	LF	4" x 6" Pressure Treated Pine	5.75	2.41
32 94 16 00-0011	LF	6" x 6" Pressure Treated Pine	7.66	3.12
32 94 16 00-0012	LF	6" x 8" Pressure Treated Pine	9.22	3.67

32 94 43 Tree Grates *(32 94)*

32 94 43 00-0001 Tree Grates With Frames *(32 94 43)*

32 94 43 00-0002 Round Cast Iron Tree Grates With Frames *(32 94 43 00-0001)*

32 94 43 00-0003	EA	32" Diameter, 100 To 150 LB Cast Iron Tree Grate With Frame	449.86	37.92
		For >3 To 9, Deduct	*-28.05*	
		For >9, Deduct	*-57.97*	
32 94 43 00-0004	EA	36" Diameter, 125 To 175 LB Cast Iron Tree Grate With Frame	517.85	37.92
		For >3 To 9, Deduct	*-33.15*	
		For >9, Deduct	*-68.51*	
32 94 43 00-0005	EA	42" Diameter, 150 To 200 LB Cast Iron Tree Grate With Frame	628.13	50.56
		For >3 To 9, Deduct	*-39.53*	
		For >9, Deduct	*-81.69*	
32 94 43 00-0006	EA	48" Diameter, 200 To 250 LB Cast Iron Tree Grate With Frame	776.13	50.56
		For >3 To 9, Deduct	*-50.63*	
		For >9, Deduct	*-104.63*	
32 94 43 00-0007	EA	54" Diameter, 300 To 350 LB Cast Iron Tree Grate With Frame	994.41	63.21
		For >3 To 9, Deduct	*-65.10*	
		For >9, Deduct	*-134.54*	
32 94 43 00-0008	EA	60" Diameter, Up To 350 LB Cast Iron Tree Grate With Frame	1,047.70	75.85
		For >3 To 9, Deduct	*-67.20*	
		For >9, Deduct	*-138.88*	
32 94 43 00-0009	EA	60" Diameter, >350 LB Cast Iron Tree Grate With Frame	1,150.70	75.85
		For >3 To 9, Deduct	*-74.93*	
		For >9, Deduct	*-154.85*	
32 94 43 00-0010	EA	72" Diameter, Up To 550 LB Cast Iron Tree Grate With Frame	1,534.91	107.45
		For >3 To 9, Deduct	*-99.00*	
		For >9, Deduct	*-204.60*	
32 94 43 00-0011	EA	72" Diameter, >500 To 550 LB Cast Iron Tree Grate With Frame	1,594.91	107.45
		For >3 To 9, Deduct	*-103.50*	
		For >9, Deduct	*-213.90*	
32 94 43 00-0012	EA	72" Diameter, >600 To 650 LB Cast Iron Tree Grate With Frame	1,644.91	107.45
		For >3 To 9, Deduct	*-107.25*	
		For >9, Deduct	*-221.65*	
32 94 43 00-0013	EA	72" Diameter, >650 To 700 LB Cast Iron Tree Grate With Frame	1,684.91	107.45
		For >3 To 9, Deduct	*-110.25*	
		For >9, Deduct	*-227.85*	
32 94 43 00-0014	EA	72" Diameter, >700 LB Cast Iron Tree Grate With Frame	1,714.91	107.45
		For >3 To 9, Deduct	*-112.50*	
		For >9, Deduct	*-232.50*	
32 94 43 00-0015	EA	93" Diameter, 950 To 1,000 LB Cast Iron Tree Grate With Frame	1,884.84	126.41
		For >3 To 9, Deduct	*-122.40*	
		For >9, Deduct	*-252.96*	

32 94 43 00-0016 Square Cast Iron Tree Grates With Frames *(32 94 43 00-0001)*

32 94 43 00-0017	EA	30" x 30", 75 To 125 LB Cast Iron Tree Grate With Frame	415.85	37.92
		For >3 To 9, Deduct	*-25.50*	
		For >9, Deduct	*-52.70*	
32 94 43 00-0018	EA	36" x 36", 100 To 150 LB Cast Iron Tree Grate With Frame	500.85	37.92
		For >3 To 9, Deduct	*-31.88*	
		For >9, Deduct	*-65.88*	
32 94 43 00-0019	EA	48" x 48", Up To 200 LB Cast Iron Tree Grate With Frame	746.41	63.21
		For >3 To 9, Deduct	*-46.50*	
		For >9, Deduct	*-96.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 43 00-0020	EA	48" x 48", >200 To 250 LB Cast Iron Tree Grate With Frame	876.41	63.21
		For >3 To 9, Deduct	*-56.25*	
		For >9, Deduct	*-116.25*	
32 94 43 00-0021	EA	48" x 48", >250 To 300 LB Cast Iron Tree Grate With Frame	996.41	63.21
		For >3 To 9, Deduct	*-65.25*	
		For >9, Deduct	*-134.85*	
32 94 43 00-0022	EA	48" x 48", >300 To 350 LB Cast Iron Tree Grate With Frame	1,106.41	63.21
		For >3 To 9, Deduct	*-73.50*	
		For >9, Deduct	*-151.90*	
32 94 43 00-0023	EA	48" x 48", >350 To 400 LB Cast Iron Tree Grate With Frame	1,206.41	63.21
		For >3 To 9, Deduct	*-81.00*	
		For >9, Deduct	*-167.40*	
32 94 43 00-0024	EA	48" x 48", >400 LB Cast Iron Tree Grate With Frame	1,296.41	63.21
		For >3 To 9, Deduct	*-87.75*	
		For >9, Deduct	*-181.35*	
32 94 43 00-0025	EA	60" x 60", Up To 400 LB Cast Iron Tree Grate With Frame	1,256.99	88.49
		For >3 To 9, Deduct	*-81.00*	
		For >9, Deduct	*-167.40*	
32 94 43 00-0026	EA	60" x 60", >400 To 450 LB Cast Iron Tree Grate With Frame	1,346.99	88.49
		For >3 To 9, Deduct	*-87.75*	
		For >9, Deduct	*-181.35*	
32 94 43 00-0027	EA	60" x 60", >450 To 500 LB Cast Iron Tree Grate With Frame	1,426.99	88.49
		For >3 To 9, Deduct	*-93.75*	
		For >9, Deduct	*-193.75*	
32 94 43 00-0028	EA	60" x 60", >500 To 550 LB Cast Iron Tree Grate With Frame	1,496.99	88.49
		For >3 To 9, Deduct	*-99.00*	
		For >9, Deduct	*-204.60*	
32 94 43 00-0029	EA	60" x 60", >550 To 600 LB Cast Iron Tree Grate With Frame	1,556.99	88.49
		For >3 To 9, Deduct	*-103.50*	
		For >9, Deduct	*-213.90*	
32 94 43 00-0030	EA	60" x 60", >600 LB Cast Iron Tree Grate With Frame	1,606.99	88.49
		For >3 To 9, Deduct	*-107.25*	
		For >9, Deduct	*-221.65*	
32 94 43 00-0031	EA	72" x 72", Up To 550 LB Cast Iron Tree Grate With Frame	1,534.91	107.45
		For >3 To 9, Deduct	*-99.00*	
		For >9, Deduct	*-204.60*	
32 94 43 00-0032	EA	72" x 72", >550 To 600 LB Cast Iron Tree Grate With Frame	1,594.91	107.45
		For >3 To 9, Deduct	*-103.50*	
		For >9, Deduct	*-213.90*	
32 94 43 00-0033	EA	72" x 72", >600 To 650 LB Cast Iron Tree Grate With Frame	1,644.91	107.45
		For >3 To 9, Deduct	*-107.25*	
		For >9, Deduct	*-221.65*	
32 94 43 00-0034	EA	72" x 72", >650 To 700 LB Cast Iron Tree Grate With Frame	1,684.91	107.45
		For >3 To 9, Deduct	*-110.25*	
		For >9, Deduct	*-227.85*	
32 94 43 00-0035	EA	72" x 72", >700 To 750 LB Cast Iron Tree Grate With Frame	1,714.91	107.45
		For >3 To 9, Deduct	*-112.50*	
		For >9, Deduct	*-232.50*	
32 94 43 00-0036	EA	72" x 72", >750 To 800 LB Cast Iron Tree Grate With Frame	1,734.91	107.45
		For >3 To 9, Deduct	*-114.00*	
		For >9, Deduct	*-235.60*	
32 94 43 00-0037	EA	72" x 72", >800 To 850 LB Cast Iron Tree Grate With Frame	1,744.91	107.45
		For >3 To 9, Deduct	*-114.75*	
		For >9, Deduct	*-237.15*	
32 94 43 00-0038	EA	72" x 72", >850 LB Cast Iron Tree Grate With Frame	1,754.91	107.45
		For >3 To 9, Deduct	*-115.50*	
		For >9, Deduct	*-238.70*	
32 94 43 00-0039		Rectangular Cast Iron Tree Grates With Frames *(32 94 43 00-0001)*		
32 94 43 00-0040	EA	36" x 48", 200 To 250 LB Cast Iron Tree Grate With Frame	776.13	50.56
		For >3 To 9, Deduct	*-50.63*	
		For >9, Deduct	*-104.63*	
32 94 43 00-0041	EA	36" x 60", 200 To 250 LB Cast Iron Tree Grate With Frame	791.13	50.56
		For >3 To 9, Deduct	*-51.75*	
		For >9, Deduct	*-106.95*	
32 94 43 00-0042	EA	36" x 72", 275 To 325 LB Cast Iron Tree Grate With Frame	967.41	63.21
		For >3 To 9, Deduct	*-63.08*	
		For >9, Deduct	*-130.36*	
32 94 43 00-0043	EA	48" x 72", Up To 350 LB Cast Iron Tree Grate With Frame	1,134.41	63.21
		For >3 To 9, Deduct	*-75.60*	
		For >9, Deduct	*-156.24*	
32 94 43 00-0044	EA	48" x 72", >350 LB Cast Iron Tree Grate With Frame	1,206.41	63.21
		For >3 To 9, Deduct	*-81.00*	
		For >9, Deduct	*-167.40*	
32 94 43 00-0045	EA	60" x 84", 700 To 750 LB Cast Iron Tree Grate With Frame	1,624.91	107.45
		For >3 To 9, Deduct	*-105.75*	
		For >9, Deduct	*-218.55*	

32 94 49 Tree Accessories *(32 94)*

32 94 49 00-0001 Tree Guying *(32 94 49)*

32 94 49 00-0002 Tree Guying, Stakes *(32 94 49 00-0001)*

Note: Includes stakes, cross brace, double #12 gauge twisted wire and reinforced rubber hose tree wrap.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 49 00-0003	EA	Tree Guying Up To 2" Caliper, 2 Stakes	18.48	
32 94 49 00-0004	EA	Tree Guying 2" To 3" Caliper, 2 Stakes	33.03	
32 94 49 00-0005	EA	Tree Guying 3" To 4" Caliper, 3 Stakes	56.80	

32 94 49 00-0006 Tree Guying, Anchors *(32 94 49 00-0001)*

Note: Includes arrowhead anchor, cable, turnbuckles and wrap or reinforced rubber hose.

32 94 49 00-0007	EA	Tree Guying Up To 3" Caliper, 3" Anchors	77.41	
32 94 49 00-0008	EA	Tree Guying 3" To 6" Caliper, 4" Anchors	104.38	
32 94 49 00-0009	EA	Tree Guying 6" To 8" Caliper, 6" Anchors	133.53	
32 94 49 00-0010	EA	Tree Guying 8" And Up Caliper, 8" Anchors	172.77	

32 94 49 00-0011 Tree Wrap *(32 94 49)*

32 94 49 00-0012	EA	Tree Wrap, Up To 1" Caliper Applied Ground Level To First Branches Of Tree	5.03	
32 94 49 00-0013	EA	Tree Wrap, 1" To 2" Caliper Applied Ground Level To First Branches Of Tree	8.28	
32 94 49 00-0014	EA	Tree Wrap, >2" To 4" Caliper Applied Ground Level To First Branches Of Tree	16.23	
32 94 49 00-0015	EA	Tree Wrap, >4" To 6" Caliper Applied Ground Level To First Branches Of Tree	24.64	

32 94 49 00-0016 Tree Guards *(32 94 49)*

32 94 49 00-0017	EA	3' Preformed Plastic Tree Guard	7.90	
32 94 49 00-0018	EA	2' Preformed Plastic Tree Guard	7.42	

32 94 49 00-0019 Stake Out Tree And Shrub Locations *(32 94 49)*

Note: When no design available.

32 94 49 00-0020	EA	Stake Out Trees Or Shrubs	5.14	

32 94 49 00-0021 Root Barriers *(32 94 49)*

32 94 49 00-0022	EA	18" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joiner	12.13	
32 94 49 00-0023	EA	24" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joiner	14.40	
32 94 49 00-0024	EA	36" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joiner	19.44	
32 94 49 00-0025	EA	48" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joiner	26.19	

32 96 Transplanting *(32 90)*

See CSI section 32 94 49 00-0001 for guying.

32 96 33 Shrub Transplanting *(32 96)*

Note: Includes digging up, moving on site, digging new hole and replanting.

32 96 33 00-0001 Moving Shrubs On Site, Relocate *(32 96 33)*

Note: Includes digging up, moving on site, digging new hole and replanting. See CSI section 32 94 49 00-0001 for guying.

32 96 33 00-0002	EA	Up To 18" Root Ball, Move Shrubs On Site	50.05	
		For >25 To 50, Deduct		*-5.01*
		For >50, Deduct		*-7.51*
32 96 33 00-0003	EA	>18" To 24" Root Ball, Move Shrubs On Site	68.65	
		For >25 To 50, Deduct		*-6.87*
		For >50, Deduct		*-10.30*
32 96 33 00-0004	EA	>24" To 30" Root Ball, Move Shrubs On Site	85.80	
		For >25 To 50, Deduct		*-8.58*
		For >50, Deduct		*-12.87*
32 96 33 00-0005	EA	>30" To 36" Root Ball, Move Shrubs On Site	111.75	
		For >25 To 50, Deduct		*-11.18*
		For >50, Deduct		*-16.76*

32 96 43 Tree Transplanting *(32 96)*

Note: Includes digging up, moving on site, digging new hole and replanting.

32 96 43 00-0001 Moving Trees On Site, Relocate *(32 96 43)*

Note: Includes digging up, moving on site, digging new hole and replanting. Excludes crane where necessary for trees over 20' tall. See CSI section 32 94 49 00-0001 for guying.

32 96 43 00-0002	EA	Up To 24" Root Ball, Move Trees On Site	211.71	
		For >5 To 10, Deduct		*-10.59*
		For >10 To 20, Deduct		*-21.17*
		For >20, Deduct		*-31.76*
32 96 43 00-0003	EA	>24" To 30" Root Ball, Move Trees On Site	290.35	
		For >5 To 10, Deduct		*-14.52*
		For >10 To 20, Deduct		*-29.04*
		For >20, Deduct		*-43.55*
32 96 43 00-0004	EA	>30" To 36" Root Ball, Move Trees On Site	470.47	
		For >5 To 10, Deduct		*-23.52*
		For >10 To 20, Deduct		*-47.05*
		For >20, Deduct		*-70.57*
32 96 43 00-0005	EA	>36" To 48" Root Ball, Move Trees On Site	781.71	
		For >5 To 10, Deduct		*-39.09*
		For >10 To 20, Deduct		*-78.17*
		For >20, Deduct		*-117.26*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 96 43 00-0006	EA	>48" To 60" Root Ball, Move Trees On Site	1,270.29	
		For >5 To 10, Deduct	*-63.51*	
		For >10 To 20, Deduct	*-127.03*	
		For >20, Deduct	*-190.54*	
32 96 43 00-0007	EA	>60" To 72" Root Ball, Move Trees On Site	1,639.07	
		For >5 To 10, Deduct	*-81.95*	
		For >10 To 20, Deduct	*-163.91*	
		For >20, Deduct	*-245.86*	
32 96 43 00-0008	EA	>72" To 84" Root Ball, Move Trees On Site	2,117.14	
		For >5 To 10, Deduct	*-105.86*	
		For >10 To 20, Deduct	*-211.71*	
		For >20, Deduct	*-317.57*	
32 96 43 00-0009	EA	>84" To 96" Root Ball, Move Trees On Site	2,540.56	
		For >5 To 10, Deduct	*-127.03*	
		For >10 To 20, Deduct	*-254.06*	
		For >20, Deduct	*-381.08*	
32 96 43 00-0010	EA	>96" To 120" Root Ball, Move Trees On Site	2,887.01	
		For >5 To 10, Deduct	*-144.35*	
		For >10 To 20, Deduct	*-288.70*	
		For >20, Deduct	*-433.05*	

END OF SECTION 32

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 Utilities

33 01 Operation And Maintenance Of Utilities *(33)*

33 01 30 Operation And Maintenance Of Sewer Utilities *(33 01)*

33 01 30 16 TV Inspection Of Pipelines *(33 01 30)*

Note: Rotating head color camera. Includes all log records and color video tape, DVD or CD.

33 01 30 16-0001 Remote Visual inspection (RVI) Of Pipe Interior And Culverts *(33 01 30 16)*

33 01 30 16-0002 Video Camera Set-up *(33 01 30 16-0001)*

33 01 30 16-0003	EA	Initial Set Up For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert Note: A "push camera" is a straight view camera at the end of a rigid push rod for 1"-12" diameter pipes for distances up to 300 feet.	639.18
33 01 30 16-0004	EA	Initial Set Up For "Crawler" Video Camera Inspection, 4" To 30" Diameter Pipe Or Culvert Note: Crawlers are generally remotely operated vehicles (ROVs) for longer distances (over 300') and for larger diameters (4" and larger).	1,278.37
33 01 30 16-0005	EA	Initial Set Up For "Crawler" Video Camera Inspection, >30" Diameter Pipe Or Culvert	1,917.54
33 01 30 16-0006	EA	Re-Set Up/Move For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert	319.59
33 01 30 16-0007	EA	Re-Set Up/Move For "Crawler" Video Camera Inspection, 4" And Larger Diameter Pipe Or Culvert	639.18

33 01 30 16-0008 Video Camera Planning And Analysis Inspection *(33 01 30 16-0001)*

Note: For pipe interior and culverts.

33 01 30 16-0009	LF	4" To 6" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	1.62
		For >500 To 1,000, Deduct	*-0.16*
		For >1,000 To 5,000, Deduct	*-0.41*
		For >5,000, Deduct	*-0.57*
33 01 30 16-0010	LF	>6" To 12" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	2.16
		For >500 To 1,000, Deduct	*-0.22*
		For >1,000 To 5,000, Deduct	*-0.54*
		For >5,000, Deduct	*-0.76*
33 01 30 16-0011	LF	>12" To 21" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	2.70
		For >500 To 1,000, Deduct	*-0.27*
		For >1,000 To 5,000, Deduct	*-0.68*
		For >5,000, Deduct	*-0.95*
33 01 30 16-0012	LF	>21" To 30" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	3.60
		For >500 To 1,000, Deduct	*-0.36*
		For >1,000 To 5,000, Deduct	*-0.90*
		For >5,000, Deduct	*-1.26*
33 01 30 16-0013	LF	>30" To 42" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	5.07
		For >500 To 1,000, Deduct	*-0.51*
		For >1,000 To 5,000, Deduct	*-1.27*
		For >5,000, Deduct	*-1.77*
33 01 30 16-0014	LF	>42" To 60" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	6.76
		For >500 To 1,000, Deduct	*-0.68*
		For >1,000 To 5,000, Deduct	*-1.69*
		For >5,000, Deduct	*-2.37*
33 01 30 16-0015	LF	>60" To 72" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	9.53
		For >500 To 1,000, Deduct	*-0.95*
		For >1,000 To 5,000, Deduct	*-2.38*
		For >5,000, Deduct	*-3.34*
33 01 30 16-0016	LF	>72" To 84" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	13.50
		For >500 To 1,000, Deduct	*-1.35*
		For >1,000 To 5,000, Deduct	*-3.38*
		For >5,000, Deduct	*-4.73*

33 01 30 16-0017 Video Camera Pre-Rehab For Pipe Interior And Culverts *(33 01 30 16-0001)*

33 01 30 16-0018	LF	4" To 6" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	2.40
		For >500 To 1,000, Deduct	*-0.24*
		For >1,000 To 5,000, Deduct	*-0.60*
		For >5,000, Deduct	*-0.84*
33 01 30 16-0019	LF	>6" To 12" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	3.19
		For >500 To 1,000, Deduct	*-0.32*
		For >1,000 To 5,000, Deduct	*-0.80*
		For >5,000, Deduct	*-1.12*
33 01 30 16-0020	LF	>12" To 21" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	3.99
		For >500 To 1,000, Deduct	*-0.40*
		For >1,000 To 5,000, Deduct	*-1.00*
		For >5,000, Deduct	*-1.40*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 16-0021	LF	>21" To 30" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	5.32	
		For >500 To 1,000, Deduct	*-0.53*	
		For >1,000 To 5,000, Deduct	*-1.33*	
		For >5,000, Deduct	*-1.86*	
33 01 30 16-0022	LF	>30" To 42" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	7.49	
		For >500 To 1,000, Deduct	*-0.75*	
		For >1,000 To 5,000, Deduct	*-1.87*	
		For >5,000, Deduct	*-2.62*	
33 01 30 16-0023	LF	>42" To 60" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	9.99	
		For >500 To 1,000, Deduct	*-1.00*	
		For >1,000 To 5,000, Deduct	*-2.50*	
		For >5,000, Deduct	*-3.50*	
33 01 30 16-0024	LF	>60" To 72" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	14.10	
		For >500 To 1,000, Deduct	*-1.41*	
		For >1,000 To 5,000, Deduct	*-3.53*	
		For >5,000, Deduct	*-4.94*	
33 01 30 16-0025	LF	>72" To 84" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	19.97	
		For >500 To 1,000, Deduct	*-2.00*	
		For >1,000 To 5,000, Deduct	*-4.99*	
		For >5,000, Deduct	*-6.99*	

33 01 30 16-0026 Video Camera Post-Rehab For Pipe Interior And Culverts *(33 01 30 16-0001)*

33 01 30 16-0027	LF	4" To 6" Diameter Pipe Inspection, Post-Rehabilitation Phase Note: CCTV inspection of pipe interior.	1.72	
		For >500 To 1,000, Deduct	*-0.17*	
		For >1,000 To 5,000, Deduct	*-0.43*	
		For >5,000, Deduct	*-0.60*	
33 01 30 16-0028	LF	>6" To 12" Diameter Pipe Inspection, Post-Rehabilitation Phase Note: CCTV inspection of pipe interior.	2.29	
		For >500 To 1,000, Deduct	*-0.23*	
		For >1,000 To 5,000, Deduct	*-0.57*	
		For >5,000, Deduct	*-0.80*	
33 01 30 16-0029	LF	>12" To 21" Diameter Pipe Inspection, Post-Rehabilitation Phase Note: CCTV inspection of pipe interior.	2.85	
		For >500 To 1,000, Deduct	*-0.29*	
		For >1,000 To 5,000, Deduct	*-0.71*	
		For >5,000, Deduct	*-1.00*	
33 01 30 16-0030	LF	>21" To 30" Diameter Pipe Inspection, Post-Rehabilitation Phase Note: CCTV inspection of pipe interior.	3.80	
		For >500 To 1,000, Deduct	*-0.38*	
		For >1,000 To 5,000, Deduct	*-0.95*	
		For >5,000, Deduct	*-1.33*	
33 01 30 16-0031	LF	>30" To 42" Diameter Pipe Inspection, Post-Rehabilitation Phase Note: CCTV inspection of pipe interior.	5.35	
		For >500 To 1,000, Deduct	*-0.54*	
		For >1,000 To 5,000, Deduct	*-1.34*	
		For >5,000, Deduct	*-1.87*	
33 01 30 16-0032	LF	>42" To 60" Diameter Pipe Inspection, Post-Rehabilitation Phase Note: CCTV inspection of pipe interior.	7.13	
		For >500 To 1,000, Deduct	*-0.71*	
		For >1,000 To 5,000, Deduct	*-1.78*	
		For >5,000, Deduct	*-2.50*	
33 01 30 16-0033	LF	>60" To 72" Diameter Pipe Inspection, Post-Rehabilitation Phase Note: CCTV inspection of pipe interior.	10.07	
		For >500 To 1,000, Deduct	*-1.01*	
		For >1,000 To 5,000, Deduct	*-2.52*	
		For >5,000, Deduct	*-3.52*	
33 01 30 16-0034	LF	>72" To 84" Diameter Pipe Inspection, Post-Rehabilitation Phase Note: CCTV inspection of pipe interior.	14.26	
		For >500 To 1,000, Deduct	*-1.43*	
		For >1,000 To 5,000, Deduct	*-3.57*	
		For >5,000, Deduct	*-4.99*	

33 01 30 41 Cleaning of Sewers *(33 01 30)*

33 01 30 41-0001 Pipe Line Cleaning And Flushing *(33 01 30 41)*
Note: Includes flushing. Owner provided water.

33 01 30 41-0002 Pipe Line Cleaning *(33 01 30 41-0001)*
Note: Includes removal of all debris/waste. Excludes disposal.

33 01 30 41-0003 Hydro Jet Set-up And Reinsertion *(33 01 30 41-0002)*

33 01 30 41-0004	EA	Initial Set Up And Final Equipment Removal For Jet Cleaning	1,946.55	
33 01 30 41-0005	EA	Move And Reset Up At Different Access/Location For Jet Cleaning	486.63	

33 01 30 41-0006 Hydro Jet Cleaning Of Sewer And Water Pipelines *(33 01 30 41-0002)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0007	LF	Up To 4" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	2.61	
		For >250 To 500, Deduct	*-0.13*	
		For >500 To 1,000, Deduct	*-0.26*	
		For >1,000 To 2,000, Deduct	*-0.39*	
		For >2,000 To 5,000, Deduct	*-0.52*	
		For >5,000, Deduct	*-0.65*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*1.96*	
33 01 30 41-0008	LF	6" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	3.00	
		For >250 To 500, Deduct	*-0.15*	
		For >500 To 1,000, Deduct	*-0.30*	
		For >1,000 To 2,000, Deduct	*-0.45*	
		For >2,000 To 5,000, Deduct	*-0.60*	
		For >5,000, Deduct	*-0.75*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*2.25*	
33 01 30 41-0009	LF	8" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	3.52	
		For >250 To 500, Deduct	*-0.18*	
		For >500 To 1,000, Deduct	*-0.35*	
		For >1,000 To 2,000, Deduct	*-0.53*	
		For >2,000 To 5,000, Deduct	*-0.70*	
		For >5,000, Deduct	*-0.88*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*2.64*	
33 01 30 41-0010	LF	10" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	4.36	
		For >250 To 500, Deduct	*-0.22*	
		For >500 To 1,000, Deduct	*-0.44*	
		For >1,000 To 2,000, Deduct	*-0.65*	
		For >2,000 To 5,000, Deduct	*-0.87*	
		For >5,000, Deduct	*-1.09*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*3.27*	
33 01 30 41-0011	LF	12" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	4.95	
		For >250 To 500, Deduct	*-0.25*	
		For >500 To 1,000, Deduct	*-0.50*	
		For >1,000 To 2,000, Deduct	*-0.74*	
		For >2,000 To 5,000, Deduct	*-0.99*	
		For >5,000, Deduct	*-1.24*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*3.71*	
33 01 30 41-0012	LF	>12" To 16" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	5.71	
		For >250 To 500, Deduct	*-0.29*	
		For >500 To 1,000, Deduct	*-0.57*	
		For >1,000 To 2,000, Deduct	*-0.86*	
		For >2,000 To 5,000, Deduct	*-1.14*	
		For >5,000, Deduct	*-1.43*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*4.28*	
33 01 30 41-0013	LF	>16" To 24" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	6.87	
		For >250 To 500, Deduct	*-0.34*	
		For >500 To 1,000, Deduct	*-0.69*	
		For >1,000 To 2,000, Deduct	*-1.03*	
		For >2,000 To 5,000, Deduct	*-1.37*	
		For >5,000, Deduct	*-1.72*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*5.15*	
33 01 30 41-0014	LF	>24" To 30" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	7.79	
		For >250 To 500, Deduct	*-0.39*	
		For >500 To 1,000, Deduct	*-0.78*	
		For >1,000 To 2,000, Deduct	*-1.17*	
		For >2,000 To 5,000, Deduct	*-1.56*	
		For >5,000, Deduct	*-1.95*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*5.84*	

33 01 30 41-0015 Flushing Of Storm Water Pipelines *(33 01 30 41-0002)*

Note: To remove silt and small debris from storm drainage pipes. Excludes disposal.

33 01 30 41-0016	LF	12" To 16" Diameter Pipe Line Flushing	1.10	
		For >250 To 500, Deduct	*-0.06*	
		For >500 To 1,000, Deduct	*-0.11*	
		For >1,000 To 2,000, Deduct	*-0.17*	
		For >2,000 To 5,000, Deduct	*-0.22*	
		For >5,000, Deduct	*-0.28*	
33 01 30 41-0017	LF	>16" To 24" Diameter Pipe Line Flushing	1.26	
		For >250 To 500, Deduct	*-0.06*	
		For >500 To 1,000, Deduct	*-0.13*	
		For >1,000 To 2,000, Deduct	*-0.19*	
		For >2,000 To 5,000, Deduct	*-0.25*	
		For >5,000, Deduct	*-0.32*	
33 01 30 41-0018	LF	>24" To 30" Diameter Pipe Line Flushing	1.48	
		For >250 To 500, Deduct	*-0.07*	
		For >500 To 1,000, Deduct	*-0.15*	
		For >1,000 To 2,000, Deduct	*-0.22*	
		For >2,000 To 5,000, Deduct	*-0.30*	
		For >5,000, Deduct	*-0.37*	
33 01 30 41-0019	LF	>30" To 42" Diameter Pipe Line Flushing	1.71	
		For >250 To 500, Deduct	*-0.09*	
		For >500 To 1,000, Deduct	*-0.17*	
		For >1,000 To 2,000, Deduct	*-0.26*	
		For >2,000 To 5,000, Deduct	*-0.34*	
		For >5,000, Deduct	*-0.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0020	LF	>42" To 60" Diameter Pipe Line Flushing	2.28	
		For >250 To 500, Deduct	*-0.11*	
		For >500 To 1,000, Deduct	*-0.23*	
		For >1,000 To 2,000, Deduct	*-0.34*	
		For >2,000 To 5,000, Deduct	*-0.46*	
		For >5,000, Deduct	*-0.57*	

33 01 30 41-0021 Hydro Jet Cleaning Of Culverts *(33 01 30 41-0002)*

33 01 30 41-0022	LF	Jet Cleaning Of Culvert, 0-250 LF	12.11	
		For >250 To 500, Deduct	*-0.61*	
		For >500 To 1,000, Deduct	*-1.21*	
		For >1,000 To 2,000, Deduct	*-1.82*	
		For >2,000 To 5,000, Deduct	*-2.42*	
		For >5,000, Deduct	*-3.03*	

33 01 30 41-0023 Pipe Line Cleaning, Mechanical Method *(33 01 30 41-0001)*

Note: Power winching buckets, scrapers, scooters, porcupines, brushes and other debris removing equipment. Includes removal of all debris/waste. Excludes disposal.

33 01 30 41-0024	EA	Initial Set Up And Final Equipment Removal For Mechanical Cleaning	910.84	
33 01 30 41-0025	EA	Move And Reset Up At Different Access/Location	303.62	
33 01 30 41-0026	LF	Up To 4" Diameter Pipe Line Cleaning, Mechanical Method	5.21	
		For >250 To 500, Deduct	*-0.25*	
		For >500 To 1,000, Deduct	*-0.51*	
		For >1,000 To 2,000, Deduct	*-0.76*	
		For >2,000 To 5,000, Deduct	*-1.01*	
		For >5,000, Deduct	*-1.27*	
33 01 30 41-0027	LF	6" Diameter Pipe Line Cleaning, Mechanical Method	6.81	
		For >250 To 500, Deduct	*-0.33*	
		For >500 To 1,000, Deduct	*-0.65*	
		For >1,000 To 2,000, Deduct	*-0.98*	
		For >2,000 To 5,000, Deduct	*-1.30*	
		For >5,000, Deduct	*-1.63*	
33 01 30 41-0028	LF	8" Diameter Pipe Line Cleaning, Mechanical Method	7.96	
		For >250 To 500, Deduct	*-0.38*	
		For >500 To 1,000, Deduct	*-0.76*	
		For >1,000 To 2,000, Deduct	*-1.14*	
		For >2,000 To 5,000, Deduct	*-1.52*	
		For >5,000, Deduct	*-1.90*	
33 01 30 41-0029	LF	10" Diameter Pipe Line Cleaning, Mechanical Method	9.21	
		For >250 To 500, Deduct	*-0.44*	
		For >500 To 1,000, Deduct	*-0.88*	
		For >1,000 To 2,000, Deduct	*-1.31*	
		For >2,000 To 5,000, Deduct	*-1.75*	
		For >5,000, Deduct	*-2.19*	
33 01 30 41-0030	LF	12" Diameter Pipe Line Cleaning, Mechanical Method	10.01	
		For >250 To 500, Deduct	*-0.47*	
		For >500 To 1,000, Deduct	*-0.95*	
		For >1,000 To 2,000, Deduct	*-1.42*	
		For >2,000 To 5,000, Deduct	*-1.90*	
		For >5,000, Deduct	*-2.37*	
33 01 30 41-0031	LF	>12" To 16" Diameter Pipe Line Cleaning, Mechanical Method	11.51	
		For >250 To 500, Deduct	*-0.54*	
		For >500 To 1,000, Deduct	*-1.08*	
		For >1,000 To 2,000, Deduct	*-1.63*	
		For >2,000 To 5,000, Deduct	*-2.17*	
		For >5,000, Deduct	*-2.71*	
33 01 30 41-0032	LF	>16" To 24" Diameter Pipe Line Cleaning, Mechanical Method	14.44	
		For >250 To 500, Deduct	*-0.67*	
		For >500 To 1,000, Deduct	*-1.34*	
		For >1,000 To 2,000, Deduct	*-2.01*	
		For >2,000 To 5,000, Deduct	*-2.68*	
		For >5,000, Deduct	*-3.35*	
33 01 30 41-0033	LF	>24" To 30" Diameter Pipe Line Cleaning, Mechanical Method	16.43	
		For >250 To 500, Deduct	*-0.75*	
		For >500 To 1,000, Deduct	*-1.49*	
		For >1,000 To 2,000, Deduct	*-2.24*	
		For >2,000 To 5,000, Deduct	*-2.99*	
		For >5,000, Deduct	*-3.73*	
33 01 30 41-0034	LF	>30" To 42" Diameter Pipe Line Cleaning, Mechanical Method	19.06	
		For >250 To 500, Deduct	*-0.86*	
		For >500 To 1,000, Deduct	*-1.72*	
		For >1,000 To 2,000, Deduct	*-2.58*	
		For >2,000 To 5,000, Deduct	*-3.44*	
		For >5,000, Deduct	*-4.30*	
33 01 30 41-0035	LF	>42 To 60" Diameter Pipe Line Cleaning, Mechanical Method	25.02	
		For >250 To 500, Deduct	*-1.14*	
		For >500 To 1,000, Deduct	*-2.28*	
		For >1,000 To 2,000, Deduct	*-3.42*	
		For >2,000 To 5,000, Deduct	*-4.55*	
		For >5,000, Deduct	*-5.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0036	LF	>60" Diameter Pipe Line Cleaning, Mechanical Method	28.30	
		For >250 To 500, Deduct	*-1.27*	
		For >500 To 1,000, Deduct	*-2.53*	
		For >1,000 To 2,000, Deduct	*-3.80*	
		For >2,000 To 5,000, Deduct	*-5.06*	
		For >5,000, Deduct	*-6.33*	

33 01 30 41-0037 Pipe Line Auguring/Rod Out Pipe *(33 01 30 41-0001)*

33 01 30 41-0038	EA	Initial Set Up And Final Equipment Removal For Auguring	910.84	
33 01 30 41-0039	EA	Move And Reset Up At Different Location	303.62	
33 01 30 41-0040	LF	Up To 4" Diameter Pipe Line Auguring/Rod Out	3.04	
		For >250 To 500, Deduct	*-0.15*	
		For >500 To 1,000, Deduct	*-0.30*	
		For >1,000 To 2,000, Deduct	*-0.46*	
		For >2,000 To 5,000, Deduct	*-0.61*	
		For >5,000, Deduct	*-0.76*	
33 01 30 41-0041	LF	6" Diameter Pipe Line Auguring/Rod Out	3.92	
		For >250 To 500, Deduct	*-0.20*	
		For >500 To 1,000, Deduct	*-0.39*	
		For >1,000 To 2,000, Deduct	*-0.59*	
		For >2,000 To 5,000, Deduct	*-0.78*	
		For >5,000, Deduct	*-0.98*	
33 01 30 41-0042	LF	8" Diameter Pipe Line Auguring/Rod Out	4.55	
		For >250 To 500, Deduct	*-0.23*	
		For >500 To 1,000, Deduct	*-0.46*	
		For >1,000 To 2,000, Deduct	*-0.68*	
		For >2,000 To 5,000, Deduct	*-0.91*	
		For >5,000, Deduct	*-1.14*	
33 01 30 41-0043	LF	10" Diameter Pipe Line Auguring/Rod Out	5.30	
		For >250 To 500, Deduct	*-0.27*	
		For >500 To 1,000, Deduct	*-0.53*	
		For >1,000 To 2,000, Deduct	*-0.80*	
		For >2,000 To 5,000, Deduct	*-1.06*	
		For >5,000, Deduct	*-1.33*	
33 01 30 41-0044	LF	12" Diameter Pipe Line Auguring/Rod Out	5.69	
		For >250 To 500, Deduct	*-0.28*	
		For >500 To 1,000, Deduct	*-0.57*	
		For >1,000 To 2,000, Deduct	*-0.85*	
		For >2,000 To 5,000, Deduct	*-1.14*	
		For >5,000, Deduct	*-1.42*	
33 01 30 41-0045	LF	>12" To 16" Diameter Pipe Line Auguring/Rod Out	6.51	
		For >250 To 500, Deduct	*-0.33*	
		For >500 To 1,000, Deduct	*-0.65*	
		For >1,000 To 2,000, Deduct	*-0.98*	
		For >2,000 To 5,000, Deduct	*-1.30*	
		For >5,000, Deduct	*-1.63*	
33 01 30 41-0046	LF	>16" To 24" Diameter Pipe Line Auguring/Rod Out	7.99	
		For >250 To 500, Deduct	*-0.40*	
		For >500 To 1,000, Deduct	*-0.80*	
		For >1,000 To 2,000, Deduct	*-1.20*	
		For >2,000 To 5,000, Deduct	*-1.60*	
		For >5,000, Deduct	*-2.00*	
33 01 30 41-0047	LF	>24" To 30" Diameter Pipe Line Auguring/Rod Out	8.93	
		For >250 To 500, Deduct	*-0.45*	
		For >500 To 1,000, Deduct	*-0.89*	
		For >1,000 To 2,000, Deduct	*-1.34*	
		For >2,000 To 5,000, Deduct	*-1.79*	
		For >5,000, Deduct	*-2.23*	
33 01 30 41-0048	LF	>30" To 42" Diameter Pipe Line Auguring/Rod Out	10.35	
		For >250 To 500, Deduct	*-0.52*	
		For >500 To 1,000, Deduct	*-1.04*	
		For >1,000 To 2,000, Deduct	*-1.55*	
		For >2,000 To 5,000, Deduct	*-2.07*	
		For >5,000, Deduct	*-2.59*	
33 01 30 41-0049	LF	>42 To 60" Diameter Pipe Line Auguring/Rod Out	14.23	
		For >250 To 500, Deduct	*-0.71*	
		For >500 To 1,000, Deduct	*-1.42*	
		For >1,000 To 2,000, Deduct	*-2.13*	
		For >2,000 To 5,000, Deduct	*-2.85*	
		For >5,000, Deduct	*-3.56*	
33 01 30 41-0050	LF	>60" Diameter Pipe Line Auguring/Rod Out	15.18	
		For >250 To 500, Deduct	*-0.76*	
		For >500 To 1,000, Deduct	*-1.52*	
		For >1,000 To 2,000, Deduct	*-2.28*	
		For >2,000 To 5,000, Deduct	*-3.04*	
		For >5,000, Deduct	*-3.80*	

33 01 30 42 Cleaning of Manholes *(33 01 30)*

33 01 30 42-0001 Structure Cleaning And Flushing *(33 01 30 42)*

Note: Includes flushing. Owner provided water.

33 01 30 42-0002 Rod Out Structures And Other Hand Operations *(33 01 30 42-0001)*

33 01 30 42-0003	EA	Rod Out Sewer Catch Basin	74.78	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 42-0004	EA	Clean Out Debris From Entrance To Inlet Structure	186.96	
33 01 30 42-0005	EA	3' To 4' Diameter, Clean Out Blocked Manhole By Hand	683.14	
		For >10 To 100, Deduct	*-102.47*	
		For >100 To 250, Deduct	*-153.71*	
		For >250, Deduct	*-204.94*	
33 01 30 42-0006	EA	5' To 6' Diameter, Clean Out Blocked Manhole By Hand	819.76	
		For >10 To 100, Deduct	*-122.96*	
		For >100 To 250, Deduct	*-184.45*	
		For >250, Deduct	*-245.93*	
33 01 30 42-0007	EA	Clean Out Blocked Catch Basin By Hand	409.88	
		For >10 To 100, Deduct	*-61.48*	
		For >100 To 250, Deduct	*-92.22*	
		For >250, Deduct	*-122.96*	

33 01 30 42-0008 Cleaning Manholes And Drainage Structures *(33 01 30 42-0001)*

Note: Includes removal of debris. Excludes disposal.

33 01 30 42-0009	VLF	Waterblast Cleaning For 3' To 4' Diameter Manhole	81.11	
33 01 30 42-0010	VLF	Waterblast Cleaning For 5' To 6' Diameter Manhole	101.38	
33 01 30 42-0011	EA	Vacuum Out 1 To 2 Catch Basins Or Manholes Note: Includes vacuum pump equipment.	1,096.59	
33 01 30 42-0012	EA	Vacuum Out 3 To 10 Catch Basins Or Manholes Note: Includes vacuum pump equipment.	822.45	
33 01 30 42-0013	EA	Vacuum Out 11 To 25 Catch Basins Or Manholes Note: Includes vacuum pump equipment.	548.30	
33 01 30 42-0014	EA	Vacuum Out 26 To 100 Catch Basins Or Manholes Note: Includes vacuum pump equipment.	479.76	
33 01 30 42-0015	EA	Vacuum Out 101 To 250 Catch Basins Or Manholes Note: Includes vacuum pump equipment.	445.49	
33 01 30 42-0016	EA	Vacuum Out >250 Catch Basins Or Manholes Note: Includes vacuum pump equipment.	411.22	

33 01 30 51 Maintenance Of Utilities *(33 01 30)*

33 01 30 51-0001 Pipe Repair *(33 01 30 51)*

33 01 30 51-0002 Pipe Repair Clamp, Full Circle, Single Band *(33 01 30 51-0001)*

Note: Repair clamps for asbestos cement pipe, cast iron soil pipe, non-reinforced concrete pipe, PVC pipe, vitrified clay pipe, gray iron pipe and ductile iron pipe. (Smith-Blair Model 226).

33 01 30 51-0003	EA	2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	105.49	
		For Stainless Steel Nuts And Bolts, Add	*18.09*	
33 01 30 51-0004	EA	2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	151.05	
		For Stainless Steel Nuts And Bolts, Add	*27.26*	
33 01 30 51-0005	EA	2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	174.98	
		For Stainless Steel Nuts And Bolts, Add	*32.11*	
33 01 30 51-0006	EA	2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	199.62	
		For Stainless Steel Nuts And Bolts, Add	*36.94*	
33 01 30 51-0007	EA	2-1/2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	113.87	
		For Stainless Steel Nuts And Bolts, Add	*19.65*	
33 01 30 51-0008	EA	2-1/2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	160.64	
		For Stainless Steel Nuts And Bolts, Add	*29.10*	
33 01 30 51-0009	EA	2-1/2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	184.47	
		For Stainless Steel Nuts And Bolts, Add	*33.83*	
33 01 30 51-0010	EA	2-1/2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	213.55	
		For Stainless Steel Nuts And Bolts, Add	*39.58*	
33 01 30 51-0011	EA	3" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	122.73	
		For Stainless Steel Nuts And Bolts, Add	*21.50*	
33 01 30 51-0012	EA	3" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	167.21	
		For Stainless Steel Nuts And Bolts, Add	*30.42*	
33 01 30 51-0013	EA	3" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	193.67	
		For Stainless Steel Nuts And Bolts, Add	*35.66*	
33 01 30 51-0014	EA	3" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	226.37	
		For Stainless Steel Nuts And Bolts, Add	*42.34*	
33 01 30 51-0015	EA	4" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	138.44	
		For Stainless Steel Nuts And Bolts, Add	*24.44*	
33 01 30 51-0016	EA	4" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	183.29	
		For Stainless Steel Nuts And Bolts, Add	*32.90*	
33 01 30 51-0017	EA	4" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	222.39	
		For Stainless Steel Nuts And Bolts, Add	*40.05*	
33 01 30 51-0018	EA	4" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	267.96	
		For Stainless Steel Nuts And Bolts, Add	*48.31*	
33 01 30 51-0019	EA	4" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	351.63	
		For Stainless Steel Nuts And Bolts, Add	*64.89*	
33 01 30 51-0020	EA	4" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	438.01	
		For Stainless Steel Nuts And Bolts, Add	*81.46*	
33 01 30 51-0021	EA	4" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	534.75	
		For Stainless Steel Nuts And Bolts, Add	*99.93*	
33 01 30 51-0022	EA	6" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	160.13	
		For Stainless Steel Nuts And Bolts, Add	*28.22*	
33 01 30 51-0023	EA	6" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	215.82	
		For Stainless Steel Nuts And Bolts, Add	*38.88*	
33 01 30 51-0024	EA	6" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	253.81	
		For Stainless Steel Nuts And Bolts, Add	*45.47*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0025	EA	6" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	289.80	
		For Stainless Steel Nuts And Bolts, Add	*51.16*	
33 01 30 51-0026	EA	6" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	413.85	
		For Stainless Steel Nuts And Bolts, Add	*76.60*	
33 01 30 51-0027	EA	6" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	500.89	
		For Stainless Steel Nuts And Bolts, Add	*92.83*	
33 01 30 51-0028	EA	6" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	595.80	
		For Stainless Steel Nuts And Bolts, Add	*110.35*	
33 01 30 51-0029	EA	8" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	205.25	
		For Stainless Steel Nuts And Bolts, Add	*33.44*	
33 01 30 51-0030	EA	8" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	270.61	
		For Stainless Steel Nuts And Bolts, Add	*45.03*	
33 01 30 51-0031	EA	8" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	322.90	
		For Stainless Steel Nuts And Bolts, Add	*53.61*	
33 01 30 51-0032	EA	8" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	385.77	
		For Stainless Steel Nuts And Bolts, Add	*63.94*	
33 01 30 51-0033	EA	8" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	519.71	
		For Stainless Steel Nuts And Bolts, Add	*89.76*	
33 01 30 51-0034	EA	8" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	618.62	
		For Stainless Steel Nuts And Bolts, Add	*106.65*	
33 01 30 51-0035	EA	8" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	729.71	
		For Stainless Steel Nuts And Bolts, Add	*124.97*	
33 01 30 51-0036	EA	10" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	246.93	
		For Stainless Steel Nuts And Bolts, Add	*41.99*	
33 01 30 51-0037	EA	10" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	327.15	
		For Stainless Steel Nuts And Bolts, Add	*56.74*	
33 01 30 51-0038	EA	10" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	380.15	
		For Stainless Steel Nuts And Bolts, Add	*65.23*	
33 01 30 51-0039	EA	10" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	473.42	
		For Stainless Steel Nuts And Bolts, Add	*82.21*	
33 01 30 51-0040	EA	10" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	617.07	
		For Stainless Steel Nuts And Bolts, Add	*109.91*	
33 01 30 51-0041	EA	10" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	703.04	
		For Stainless Steel Nuts And Bolts, Add	*123.32*	
33 01 30 51-0042	EA	10" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	926.34	
		For Stainless Steel Nuts And Bolts, Add	*167.10*	
33 01 30 51-0043	EA	12" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	274.94	
		For Stainless Steel Nuts And Bolts, Add	*46.02*	
33 01 30 51-0044	EA	12" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	355.81	
		For Stainless Steel Nuts And Bolts, Add	*60.32*	
33 01 30 51-0045	EA	12" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	439.13	
		For Stainless Steel Nuts And Bolts, Add	*75.18*	
33 01 30 51-0046	EA	12" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	534.89	
		For Stainless Steel Nuts And Bolts, Add	*92.04*	
33 01 30 51-0047	EA	12" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	688.08	
		For Stainless Steel Nuts And Bolts, Add	*121.08*	
33 01 30 51-0048	EA	12" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	819.36	
		For Stainless Steel Nuts And Bolts, Add	*143.87*	
33 01 30 51-0049	EA	12" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	1,035.04	
		For Stainless Steel Nuts And Bolts, Add	*184.53*	

33 01 30 51-0050 Pipe Repair Clamp, Full Circle, Double Bands *(33 01 30 51-0001)*

Note: Repair clamps for reinforced concrete pipe, gray iron pipe and ductile iron pipe. (Smith-Blair Model 228).

33 01 30 51-0051	EA	14.38"-15.13" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts	681.08	
		For Stainless Steel Nuts And Bolts, Add	*196.97*	
33 01 30 51-0052	EA	14.38"-15.13" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts	969.00	
		For Stainless Steel Nuts And Bolts, Add	*284.35*	
33 01 30 51-0053	EA	14.38"-15.13" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts	1,306.63	
		For Stainless Steel Nuts And Bolts, Add	*385.60*	
33 01 30 51-0054	EA	14.38"-15.13" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts	1,933.49	
		For Stainless Steel Nuts And Bolts, Add	*581.18*	
33 01 30 51-0055	EA	15.07"-15.82" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts	714.83	
		For Stainless Steel Nuts And Bolts, Add	*206.66*	
33 01 30 51-0056	EA	15.07"-15.82" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts	1,014.28	
		For Stainless Steel Nuts And Bolts, Add	*297.53*	
33 01 30 51-0057	EA	15.07"-15.82" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts	1,364.16	
		For Stainless Steel Nuts And Bolts, Add	*402.24*	
33 01 30 51-0058	EA	15.07"-15.82" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts	2,026.65	
		For Stainless Steel Nuts And Bolts, Add	*608.92*	
33 01 30 51-0059	EA	15.92"-16.67" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts	732.33	
		For Stainless Steel Nuts And Bolts, Add	*210.83*	
33 01 30 51-0060	EA	15.92"-16.67" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts	1,037.33	
		For Stainless Steel Nuts And Bolts, Add	*303.08*	
33 01 30 51-0061	EA	15.92"-16.67" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts	1,398.93	
		For Stainless Steel Nuts And Bolts, Add	*411.26*	
33 01 30 51-0062	EA	15.92"-16.67" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts	2,076.60	
		For Stainless Steel Nuts And Bolts, Add	*622.08*	
33 01 30 51-0063	EA	16.56"-17.31" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts	750.56	
		For Stainless Steel Nuts And Bolts, Add	*214.99*	
33 01 30 51-0064	EA	16.56"-17.31" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts	1,063.55	
		For Stainless Steel Nuts And Bolts, Add	*309.32*	
33 01 30 51-0065	EA	16.56"-17.31" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts	1,431.84	
		For Stainless Steel Nuts And Bolts, Add	*418.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0066	EA	16.56"-17.31" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts	2,126.06	
		For Stainless Steel Nuts And Bolts, Add	*634.58*	
33 01 30 51-0067	EA	17.15"-17.90" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts	766.77	
		For Stainless Steel Nuts And Bolts, Add	*218.46*	
33 01 30 51-0068	EA	17.15"-17.90" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts	1,085.67	
		For Stainless Steel Nuts And Bolts, Add	*314.17*	
33 01 30 51-0069	EA	17.15"-17.90" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts	1,464.74	
		For Stainless Steel Nuts And Bolts, Add	*426.51*	
33 01 30 51-0070	EA	17.15"-17.90" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts	2,170.14	
		For Stainless Steel Nuts And Bolts, Add	*644.97*	
33 01 30 51-0071	EA	17.82"-18.57" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts	782.21	
		For Stainless Steel Nuts And Bolts, Add	*221.94*	
33 01 30 51-0072	EA	17.82"-18.57" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts	1,108.72	
		For Stainless Steel Nuts And Bolts, Add	*319.71*	
33 01 30 51-0073	EA	17.82"-18.57" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts	1,494.13	
		For Stainless Steel Nuts And Bolts, Add	*433.45*	
33 01 30 51-0074	EA	17.82"-18.57" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts	2,255.81	
		For Stainless Steel Nuts And Bolts, Add	*670.04*	
33 01 30 51-0075	EA	18.46"-19.21" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts	800.15	
		For Stainless Steel Nuts And Bolts, Add	*226.25*	
33 01 30 51-0076	EA	18.46"-19.21" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts	1,136.23	
		For Stainless Steel Nuts And Bolts, Add	*326.65*	
33 01 30 51-0077	EA	18.46"-19.21" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts	1,525.53	
		For Stainless Steel Nuts And Bolts, Add	*441.08*	
33 01 30 51-0078	EA	18.46"-19.21" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts	2,262.71	
		For Stainless Steel Nuts And Bolts, Add	*668.56*	

33 01 30 51-0079 Repair Couplings and Fittings *(33 01 30 51-0001)*

33 01 30 51-0080 Couplings And Fittings For Copper Pipe, Compression *(33 01 30 51-0079)*

Note: Includes gaskets. Dresser style 88.

33 01 30 51-0081 Copper Compression Repair Couplings *(33 01 30 51-0080)*

33 01 30 51-0082	EA	1/2" Copper Compression Repair Coupling	37.19
33 01 30 51-0083	EA	3/4" Copper Compression Repair Coupling	43.62
33 01 30 51-0084	EA	1" Copper Compression Repair Coupling	51.18
33 01 30 51-0085	EA	1-1/4" Copper Compression Repair Coupling	57.81
33 01 30 51-0086	EA	1-1/2" Copper Compression Repair Coupling	84.82

33 01 30 51-0087 Copper Compression Repair Fitting, 90 Degree Elbows *(33 01 30 51-0080)*

33 01 30 51-0088	EA	1/2" Copper Compression Repair 90 Degree Elbow	42.77
33 01 30 51-0089	EA	1" Copper Compression Repair 90 Degree Elbow	51.97
33 01 30 51-0090	EA	1-1/2" Copper Compression Repair 90 Degree Elbow	97.49
33 01 30 51-0091	EA	1" IPS x 1" CTS 90 Degree Plain End Street Elbow	44.51
33 01 30 51-0092	EA	3/4" IPS x 3/4" CTS 90 Degree Threaded End Street Elbow	39.44
33 01 30 51-0093	EA	1" IPS x 1" CTS 90 Degree Threaded End Street Elbow	46.12
33 01 30 51-0094	EA	1-1/4" IPS x 1" CTS 90 Degree Threaded End Street Elbow	55.80

33 01 30 51-0095 Copper Compression Repair Fitting, Tees *(33 01 30 51-0080)*

33 01 30 51-0096	EA	1/2" Copper Compression Repair Tee	75.25
33 01 30 51-0097	EA	3/4" Copper Compression Repair Tee	64.43
33 01 30 51-0098	EA	1" Copper Compression Repair Tee	76.19
33 01 30 51-0099	EA	1" F x 1" M x 1" CTS Street Tee	66.31

33 01 30 51-0100 Copper Compression Repair Fitting, Male Adapters *(33 01 30 51-0080)*

33 01 30 51-0101	EA	3/4" M x 1/2" CTS Male Adapter	36.38
33 01 30 51-0102	EA	3/4" M x 3/4" CTS Male Adapter	31.11
33 01 30 51-0103	EA	1" M x 1" CTS Male Adapter	36.64
33 01 30 51-0104	EA	1-1/4" M x 1" CTS Male Adapter	46.17
33 01 30 51-0105	EA	1-1/4" M x 1-1/4" CTS Male Adapter	52.44
33 01 30 51-0106	EA	1-1/2" M x 1" CTS Male Adapter	58.24

33 01 30 51-0107 Copper Compression Repair Fitting, Female Adapters *(33 01 30 51-0080)*

33 01 30 51-0108	EA	3/4" M x 3/4" CTS Female Adapter	41.69
33 01 30 51-0109	EA	1" M x 1" CTS Female Adapter	46.03

33 01 30 51-0110 Couplings And Fittings For Steel Pipe, Cast Body, Compression *(33 01 30 51-0079)*

Note: Includes gaskets. Dresser style 90.

33 01 30 51-0111 Couplings For Steel Pipe, Cast Body (Compression) *(33 01 30 51-0110)*

Note: Includes gaskets.

33 01 30 51-0112	EA	1/2" Coupling, Cast Body (Compression), 5" Middle Ring	42.13
33 01 30 51-0113	EA	3/4" Coupling, Cast Body (Compression), 5" Middle Ring	43.01
33 01 30 51-0114	EA	1" Coupling, Cast Body (Compression), 5" Middle Ring	48.53
33 01 30 51-0115	EA	1-1/4" Coupling, Cast Body (Compression), 5" Middle Ring	54.10
33 01 30 51-0116	EA	1-1/2" Coupling, Cast Body (Compression), 5" Middle Ring	66.90

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0117	EA	2" Coupling, Cast Body (Compression), 5" Middle Ring	81.33	
33 01 30 51-0118	EA	1/2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	43.25	
33 01 30 51-0119	EA	3/4" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	44.25	
33 01 30 51-0120	EA	1" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	48.71	
33 01 30 51-0121	EA	1-1/4" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	54.67	
33 01 30 51-0122	EA	1-1/2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	68.78	
33 01 30 51-0123	EA	2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	82.15	
33 01 30 51-0124	EA	3/4" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	81.48	
33 01 30 51-0125	EA	1" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	95.32	
33 01 30 51-0126	EA	1-1/4" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	99.43	
33 01 30 51-0127	EA	1-1/2" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	112.13	
33 01 30 51-0128	EA	2" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	136.39	

33 01 30 51-0129 Reducing Couplings For Steel Pipe (Compression) *(33 01 30 51-0110)*

Note: Includes armored gaskets.

33 01 30 51-0130	EA	3/4" x 1/2" Reducing Coupling (Compression)	46.75	
33 01 30 51-0131	EA	1" x 3/4" Reducing Coupling (Compression)	49.74	
33 01 30 51-0132	EA	1-1/4" x 3/4" Reducing Coupling (Compression)	56.14	
33 01 30 51-0133	EA	1-1/4" x 1" Reducing Coupling (Compression)	58.21	
33 01 30 51-0134	EA	1-1/2" x 3/4" Reducing Coupling (Compression)	110.07	
33 01 30 51-0135	EA	1-1/2" x 1" Reducing Coupling (Compression)	70.10	
33 01 30 51-0136	EA	1-1/2" x 1-1/4" Reducing Coupling (Compression)	70.40	
33 01 30 51-0137	EA	2" x 3/4" Reducing Coupling (Compression)	131.47	
33 01 30 51-0138	EA	2" x 1" Reducing Coupling (Compression)	119.99	
33 01 30 51-0139	EA	2" x 1-1/4" Reducing Coupling (Compression)	92.68	
33 01 30 51-0140	EA	2" x 1-1/2" Reducing Coupling (Compression)	92.38	

33 01 30 51-0141 Steel Compression Repair Fittings, Elbows *(33 01 30 51-0110)*

Note: Includes armored gaskets.

33 01 30 51-0142	EA	1" 45 Degree Elbow (Compression)	76.09	
33 01 30 51-0143	EA	1-1/4" 45 Degree Elbow (Compression)	79.56	
33 01 30 51-0144	EA	1-1/2" 45 Degree Elbow (Compression)	102.64	
33 01 30 51-0145	EA	2" 45 Degree Elbow (Compression)	129.33	
33 01 30 51-0146	EA	3/4" 90 Degree Elbow (Compression)	51.52	
33 01 30 51-0147	EA	1" 90 Degree Elbow (Compression)	53.73	
33 01 30 51-0148	EA	1-1/4" 90 Degree Elbow (Compression)	62.86	
33 01 30 51-0149	EA	1-1/2" 90 Degree Elbow (Compression)	89.10	
33 01 30 51-0150	EA	2" 90 Degree Elbow (Compression)	98.01	
33 01 30 51-0151	EA	3/4" Plain End 90 Degree Street Elbow (Compression)	51.67	
33 01 30 51-0152	EA	1" Plain End 90 Degree Street Elbow (Compression)	46.28	
33 01 30 51-0153	EA	1-1/4" Plain End 90 Degree Street Elbow (Compression)	52.32	
33 01 30 51-0154	EA	1-1/2" Plain End 90 Degree Street Elbow (Compression)	66.13	
33 01 30 51-0155	EA	2" Plain End 90 Degree Street Elbow (Compression)	85.02	
33 01 30 51-0156	EA	3/4" Threaded End 90 Degree Street Elbow (Compression)	53.29	
33 01 30 51-0157	EA	1" Threaded End 90 Degree Street Elbow (Compression)	49.31	
33 01 30 51-0158	EA	1-1/4" Threaded End 90 Degree Street Elbow (Compression)	63.58	
33 01 30 51-0159	EA	1-1/2" Threaded End 90 Degree Street Elbow (Compression)	76.87	
33 01 30 51-0160	EA	2" Threaded End 90 Degree Street Elbow (Compression)	107.99	

33 01 30 51-0161 Steel Compression Repair Fittings, Tees *(33 01 30 51-0110)*

Note: Includes armored gaskets.

33 01 30 51-0162	EA	3/4" Street Tee (Compression)	57.74	
33 01 30 51-0163	EA	1" Street Tee (Compression)	67.93	
33 01 30 51-0164	EA	1-1/4" Street Tee (Compression)	69.27	
33 01 30 51-0165	EA	1-1/2" Street Tee (Compression)	80.50	
33 01 30 51-0166	EA	2" Street Tee (Compression)	119.69	
33 01 30 51-0167	EA	1-1/4" x 1-1/4" x 1" Reducing Street Tee (Compression)	68.69	
33 01 30 51-0168	EA	1-1/4" x 1" x 1-1/4" Reducing Street Tee (Compression)	71.62	
33 01 30 51-0169	EA	1-1/2" x 1-1/2" x 1" Reducing Street Tee (Compression)	89.69	
33 01 30 51-0170	EA	1-1/2" x 1-1/2" x 1-1/4" Reducing Street Tee (Compression)	102.94	
33 01 30 51-0171	EA	1-1/2" x 1" x 1-1/2" Reducing Street Tee (Compression)	103.53	
33 01 30 51-0172	EA	1-1/2" x 1-1/4" x 1-1/2" Reducing Street Tee (Compression)	88.44	
33 01 30 51-0173	EA	2" x 1-1/4" x 2" Reducing Street Tee (Compression)	116.82	
33 01 30 51-0174	EA	2" x 1-1/2" x 2" Reducing Street Tee (Compression)	131.55	
33 01 30 51-0175	EA	3/4" Welding Street Tee (Compression)	101.91	
33 01 30 51-0176	EA	1" Welding Street Tee (Compression)	102.89	
33 01 30 51-0177	EA	1-1/4" Welding Street Tee (Compression)	110.71	
33 01 30 51-0178	EA	1-1/2" Welding Street Tee (Compression)	133.50	
33 01 30 51-0179	EA	2" Welding Street Tee (Compression)	178.81	
33 01 30 51-0180	EA	3/4" Regular Tee (Compression)	76.22	
33 01 30 51-0181	EA	1" Regular Tee (Compression)	130.93	
33 01 30 51-0182	EA	1-1/4" Regular Tee (Compression)	138.68	
33 01 30 51-0183	EA	1-1/2" Regular Tee (Compression)	149.91	
33 01 30 51-0184	EA	2" Regular Tee (Compression)	166.88	
33 01 30 51-0185	EA	2" x 2" x 1-1/4" Regular Reducing Tee (Compression)	164.53	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0186		**Steel Compression Repair Fittings, Male Adapters** *(33 01 30 51-0110)*		
		Note: Includes armored gaskets.		
33 01 30 51-0187	EA	3/4" Male Adapter (Compression)	51.38	
33 01 30 51-0188	EA	1" Male Adapter (Compression)	57.40	
33 01 30 51-0189	EA	1-1/4" Male Adapter (Compression)	74.34	
33 01 30 51-0190	EA	1-1/2" Male Adapter (Compression)	84.39	
33 01 30 51-0191	EA	2" Male Adapter (Compression)	95.54	
33 01 30 51-0192	EA	1" x 1-1/4" Male Adapter (Compression)	73.96	
33 01 30 51-0193		**Steel Compression Repair Fittings, Line Caps** *(33 01 30 51-0110)*		
		Note: Includes armored gaskets.		
33 01 30 51-0194	EA	3/4" Line Caps (Compression)	27.49	
33 01 30 51-0195	EA	1" Line Caps (Compression)	32.01	
33 01 30 51-0196	EA	1-1/4" Line Caps (Compression)	36.61	
33 01 30 51-0197	EA	1-1/2" Line Caps (Compression)	43.22	
33 01 30 51-0198	EA	2" Line Caps (Compression)	53.29	
33 01 30 51-0199		**Couplings For Steel Pipe** *(33 01 30 51-0079)*		
		Note: Includes Buna S gasket. Dresser style 38		
33 01 30 51-0200	EA	1/2" Coupling, 3-1/2" Middle Ring With Buna S Gasket	35.48	
33 01 30 51-0201	EA	3/4" Coupling, 5" Middle Ring With Buna S Gasket	44.85	
33 01 30 51-0202	EA	1" Coupling, 5" Middle Ring With Buna S Gasket	52.86	
33 01 30 51-0203	EA	1-1/2" Coupling, 5" Middle Ring With Buna S Gasket	64.81	
33 01 30 51-0204	EA	2" Coupling, 4" Middle Ring With Buna S Gasket	80.02	
33 01 30 51-0205	EA	2" Coupling, 5" Middle Ring With Buna S Gasket	97.28	
33 01 30 51-0206	EA	2" Coupling, 7" Middle Ring With Buna S Gasket	92.99	
33 01 30 51-0207	EA	3" Coupling, 4" Middle Ring With Buna S Gasket	125.06	
33 01 30 51-0208	EA	3" Coupling, 5" Middle Ring With Buna S Gasket	127.66	
33 01 30 51-0209	EA	3" Coupling, 7" Middle Ring With Buna S Gasket	130.26	
33 01 30 51-0210	EA	4" Coupling, 4" Middle Ring With Buna S Gasket	148.81	
33 01 30 51-0211	EA	4" Coupling, 5" Middle Ring With Buna S Gasket	153.22	
33 01 30 51-0212	EA	4" Coupling, 7" Middle Ring With Buna S Gasket	158.75	
33 01 30 51-0213	EA	5" Coupling, 4" Middle Ring With Buna S Gasket	188.40	
33 01 30 51-0214	EA	5" Coupling, 5" Middle Ring With Buna S Gasket	190.14	
33 01 30 51-0215	EA	5" Coupling, 7" Middle Ring With Buna S Gasket	196.48	
33 01 30 51-0216	EA	6" Coupling, 4" Middle Ring With Buna S Gasket	205.42	
33 01 30 51-0217	EA	6" Coupling, 5" Middle Ring With Buna S Gasket	210.13	
33 01 30 51-0218	EA	6" Coupling, 7" Middle Ring With Buna S Gasket	216.15	
33 01 30 51-0219	EA	8" Coupling, 4" Middle Ring With Buna S Gasket	240.18	
33 01 30 51-0220	EA	8" Coupling, 5" Middle Ring With Buna S Gasket	247.15	
33 01 30 51-0221	EA	8" Coupling, 7" Middle Ring With Buna S Gasket	252.87	
33 01 30 51-0222	EA	10" Coupling, 5" Middle Ring With Buna S Gasket	287.62	
33 01 30 51-0223	EA	10" Coupling, 7" Middle Ring With Buna S Gasket	320.51	
33 01 30 51-0224	EA	12" Coupling, 5" Middle Ring With Buna S Gasket	326.53	
33 01 30 51-0225	EA	12" Coupling, 7" Middle Ring With Buna S Gasket	396.25	
33 01 30 51-0226	EA	14" Coupling, 7" Middle Ring With Buna S Gasket	452.53	
33 01 30 51-0227	EA	16" Coupling, 7" Middle Ring With Buna S Gasket	529.41	
33 01 30 51-0228	EA	18" Coupling, 7" Middle Ring With Buna S Gasket	580.46	
33 01 30 51-0229	EA	20" Coupling, 7" Middle Ring With Buna S Gasket	626.31	
33 01 30 51-0230	EA	22" Coupling, 7" Middle Ring With Buna S Gasket	759.26	
33 01 30 51-0231	EA	24" Coupling, 7" Middle Ring With Buna S Gasket	801.21	
33 01 30 51-0232		**Couplings For Steel Pipe** *(33 01 30 51-0079)*		
		Note: Includes Buna S gasket, protected. Dresser style 38.		
33 01 30 51-0233	EA	1/2" Coupling, 3-1/2" Middle Ring With Buna S Gasket, Protected	36.23	
33 01 30 51-0234	EA	3/4" Coupling, 5" Middle Ring With Buna S Gasket, Protected	44.75	
33 01 30 51-0235	EA	1" Coupling, 5" Middle Ring With Buna S Gasket, Protected	52.81	
33 01 30 51-0236	EA	1-1/2" Coupling, 5" Middle Ring With Buna S Gasket, Protected	64.47	
33 01 30 51-0237	EA	2" Coupling, 4" Middle Ring With Buna S Gasket, Protected	89.94	
33 01 30 51-0238	EA	2" Coupling, 5" Middle Ring With Buna S Gasket, Protected	88.57	
33 01 30 51-0239	EA	2" Coupling, 7" Middle Ring With Buna S Gasket, Protected	89.26	
33 01 30 51-0240	EA	3" Coupling, 4" Middle Ring With Buna S Gasket, Protected	130.26	
33 01 30 51-0241	EA	3" Coupling, 5" Middle Ring With Buna S Gasket, Protected	132.86	
33 01 30 51-0242	EA	3" Coupling, 7" Middle Ring With Buna S Gasket, Protected	135.46	
33 01 30 51-0243	EA	4" Coupling, 4" Middle Ring With Buna S Gasket, Protected	155.89	
33 01 30 51-0244	EA	4" Coupling, 5" Middle Ring With Buna S Gasket, Protected	151.31	
33 01 30 51-0245	EA	4" Coupling, 7" Middle Ring With Buna S Gasket, Protected	153.72	
33 01 30 51-0246	EA	5" Coupling, 4" Middle Ring With Buna S Gasket, Protected	197.52	
33 01 30 51-0247	EA	5" Coupling, 5" Middle Ring With Buna S Gasket, Protected	198.80	
33 01 30 51-0248	EA	5" Coupling, 7" Middle Ring With Buna S Gasket, Protected	257.77	
33 01 30 51-0249	EA	6" Coupling, 4" Middle Ring With Buna S Gasket, Protected	208.21	
33 01 30 51-0250	EA	6" Coupling, 5" Middle Ring With Buna S Gasket, Protected	214.98	
33 01 30 51-0251	EA	6" Coupling, 7" Middle Ring With Buna S Gasket, Protected	217.59	
33 01 30 51-0252	EA	8" Coupling, 4" Middle Ring With Buna S Gasket, Protected	255.31	
33 01 30 51-0253	EA	8" Coupling, 5" Middle Ring With Buna S Gasket, Protected	257.88	
33 01 30 51-0254	EA	8" Coupling, 7" Middle Ring With Buna S Gasket, Protected	262.02	
33 01 30 51-0255	EA	10" Coupling, 5" Middle Ring With Buna S Gasket, Protected	293.86	
33 01 30 51-0256	EA	10" Coupling, 7" Middle Ring With Buna S Gasket, Protected	327.01	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0257	EA	12" Coupling, 5" Middle Ring With Buna S Gasket, Protected	333.03	
33 01 30 51-0258	EA	12" Coupling, 7" Middle Ring With Buna S Gasket, Protected	402.61	
33 01 30 51-0259	EA	14" Coupling, 7" Middle Ring With Buna S Gasket, Protected	459.03	
33 01 30 51-0260	EA	16" Coupling, 7" Middle Ring With Buna S Gasket, Protected	539.16	
33 01 30 51-0261	EA	18" Coupling, 7" Middle Ring With Buna S Gasket, Protected	593.46	
33 01 30 51-0262	EA	20" Coupling, 7" Middle Ring With Buna S Gasket, Protected	639.31	
33 01 30 51-0263	EA	22" Coupling, 7" Middle Ring With Buna S Gasket, Protected	772.26	
33 01 30 51-0264	EA	24" Coupling, 7" Middle Ring With Buna S Gasket, Protected	814.21	

33 01 30 51-0265 Couplings For Steel Pipe *(33 01 30 51-0079)*

Note: Includes Buna N gasket, protected. Dresser style 38.

33 01 30 51-0266	EA	1/2" Coupling, 3-1/2" Middle Ring With Buna N Gasket, Protected	40.85	
33 01 30 51-0267	EA	3/4" Coupling, 5" Middle Ring With Buna N Gasket, Protected	49.45	
33 01 30 51-0268	EA	1" Coupling, 5" Middle Ring With Buna N Gasket, Protected	58.33	
33 01 30 51-0269	EA	1-1/2" Coupling, 5" Middle Ring With Buna N Gasket, Protected	71.64	
33 01 30 51-0270	EA	2" Coupling, 4" Middle Ring With Buna N Gasket, Protected	89.94	
33 01 30 51-0271	EA	2" Coupling, 5" Middle Ring With Buna N Gasket, Protected	101.55	
33 01 30 51-0272	EA	2" Coupling, 7" Middle Ring With Buna N Gasket, Protected	105.41	
33 01 30 51-0273	EA	3" Coupling, 4" Middle Ring With Buna N Gasket, Protected	130.26	
33 01 30 51-0274	EA	3" Coupling, 5" Middle Ring With Buna N Gasket, Protected	132.86	
33 01 30 51-0275	EA	3" Coupling, 7" Middle Ring With Buna N Gasket, Protected	135.46	
33 01 30 51-0276	EA	4" Coupling, 4" Middle Ring With Buna N Gasket, Protected	155.89	
33 01 30 51-0277	EA	4" Coupling, 5" Middle Ring With Buna N Gasket, Protected	165.16	
33 01 30 51-0278	EA	4" Coupling, 7" Middle Ring With Buna N Gasket, Protected	168.69	
33 01 30 51-0279	EA	5" Coupling, 4" Middle Ring With Buna N Gasket, Protected	197.52	
33 01 30 51-0280	EA	5" Coupling, 5" Middle Ring With Buna N Gasket, Protected	198.80	
33 01 30 51-0281	EA	5" Coupling, 7" Middle Ring With Buna N Gasket, Protected	213.68	
33 01 30 51-0282	EA	6" Coupling, 4" Middle Ring With Buna N Gasket, Protected	208.21	
33 01 30 51-0283	EA	6" Coupling, 5" Middle Ring With Buna N Gasket, Protected	214.98	
33 01 30 51-0284	EA	6" Coupling, 7" Middle Ring With Buna N Gasket, Protected	217.59	
33 01 30 51-0285	EA	8" Coupling, 4" Middle Ring With Buna N Gasket, Protected	255.31	
33 01 30 51-0286	EA	8" Coupling, 5" Middle Ring With Buna N Gasket, Protected	257.88	
33 01 30 51-0287	EA	8" Coupling, 7" Middle Ring With Buna N Gasket, Protected	262.02	
33 01 30 51-0288	EA	10" Coupling, 5" Middle Ring With Buna N Gasket, Protected	293.86	
33 01 30 51-0289	EA	10" Coupling, 7" Middle Ring With Buna N Gasket, Protected	327.01	
33 01 30 51-0290	EA	12" Coupling, 5" Middle Ring With Buna N Gasket, Protected	333.03	
33 01 30 51-0291	EA	12" Coupling, 7" Middle Ring With Buna N Gasket, Protected	402.61	
33 01 30 51-0292	EA	14" Coupling, 7" Middle Ring With Buna N Gasket, Protected	459.03	
33 01 30 51-0293	EA	16" Coupling, 7" Middle Ring With Buna N Gasket, Protected	529.41	
33 01 30 51-0294	EA	18" Coupling, 7" Middle Ring With Buna N Gasket, Protected	593.46	
33 01 30 51-0295	EA	20" Coupling, 7" Middle Ring With Buna N Gasket, Protected	639.31	
33 01 30 51-0296	EA	22" Coupling, 7" Middle Ring With Buna N Gasket, Protected	772.26	
33 01 30 51-0297	EA	24" Coupling, 7" Middle Ring With Buna N Gasket, Protected	814.21	

33 01 30 51-0298 Couplings For Steel Pipe *(33 01 30 51-0079)*

Note: Includes high temperature carded glass gasket, protected. Dresser style 38.

33 01 30 51-0299	EA	3/4" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	65.76	
33 01 30 51-0300	EA	1" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	73.24	
33 01 30 51-0301	EA	1-1/2" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	80.73	
33 01 30 51-0302	EA	2" Coupling, 4" Middle Ring With High Temp Carded Glass Gasket	117.43	
33 01 30 51-0303	EA	2" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	124.55	
33 01 30 51-0304	EA	2" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	128.17	
33 01 30 51-0305	EA	3" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	155.32	
33 01 30 51-0306	EA	3" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	154.50	
33 01 30 51-0307	EA	4" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	178.16	
33 01 30 51-0308	EA	4" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	181.69	
33 01 30 51-0309	EA	5" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	239.16	
33 01 30 51-0310	EA	5" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	243.84	
33 01 30 51-0311	EA	6" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	259.08	
33 01 30 51-0312	EA	6" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	262.19	
33 01 30 51-0313	EA	8" Coupling, 4" Middle Ring With High Temp Carded Glass Gasket	277.61	
33 01 30 51-0314	EA	8" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	324.13	
33 01 30 51-0315	EA	8" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	343.10	
33 01 30 51-0316	EA	10" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	358.59	
33 01 30 51-0317	EA	10" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	358.53	
33 01 30 51-0318	EA	12" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	443.75	
33 01 30 51-0319	EA	12" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	458.04	
33 01 30 51-0320	EA	14" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	524.32	
33 01 30 51-0321	EA	16" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	639.79	
33 01 30 51-0322	EA	18" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	637.66	
33 01 30 51-0323	EA	20" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	706.26	
33 01 30 51-0324	EA	22" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	763.81	
33 01 30 51-0325	EA	24" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	827.21	

33 01 30 51-0326 Temporary Bypass And Service Lines *(33 01 30 51-0001)*

Note: Laid on ground, includes fittings and connections. Remove after use.

33 01 30 51-0327 Temporary Water Service Lines *(33 01 30 51-0326)*

Note: Laid on ground, includes fittings, connections and chlorination prior to each use. Remove after use.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0328	LF	1/2" Temporary Service Hose With Fittings Note: Includes removal after use.	2.01	
33 01 30 51-0329	LF	3/4" Temporary Service Hose With Fittings Note: Includes removal after use.	2.55	
33 01 30 51-0330	LF	1" Temporary Service Hose With Fittings Note: Includes removal after use.	2.96	
33 01 30 51-0331	LF	1-1/2" Temporary Service Hose With Fittings Note: Includes removal after use.	3.52	
33 01 30 51-0332	LF	2" Temporary Service Hose With Fittings Note: Includes removal after use.	4.32	
33 01 30 51-0333	EA	Temporary Service Valve Assembly At Fire Hydrant Note: Includes removal after use.	224.51	
33 01 30 51-0334		**Temporary Bypass Water Main Lines** *(33 01 30 51-0326)* Note: Laid on ground, includes fittings, connections and chlorination prior to each use. Remove after use.		
33 01 30 51-0335	LF	2" Temporary Bypass Pipe With Fittings Note: Includes removal after use.	4.54	
		For >500 To 1,000, Deduct	*-0.31*	
		For >1,000 To 5,000, Deduct	*-0.62*	
		For >5,000, Deduct	*-1.04*	
33 01 30 51-0336	LF	4" Temporary Bypass Pipe With Fittings Note: Includes removal after use.	5.86	
		For >500 To 1,000, Deduct	*-0.40*	
		For >1,000 To 5,000, Deduct	*-0.80*	
		For >5,000, Deduct	*-1.34*	
33 01 30 51-0337	LF	6" Temporary Bypass Pipe With Fittings Note: Includes removal after use.	7.28	
		For >500 To 1,000, Deduct	*-0.47*	
		For >1,000 To 5,000, Deduct	*-0.93*	
		For >5,000, Deduct	*-1.56*	
33 01 30 51-0338	LF	8" Temporary Bypass Pipe With Fittings Note: Includes removal after use.	9.27	
		For >500 To 1,000, Deduct	*-0.56*	
		For >1,000 To 5,000, Deduct	*-1.12*	
		For >5,000, Deduct	*-1.87*	
33 01 30 51-0339		**Piping Protection For Temporary Water Line** *(33 01 30 51-0326)*		
33 01 30 51-0340	LF	Cold Mix For Temporary Pipe Note: Install along each side of pipe edge. Unit of measure "LF" is for length of pipe and includes both sides of pipe.	2.26	
33 01 30 51-0341		**Drill Meter Cover For Temporary Water Line** *(33 01 30 51-0326)*		
33 01 30 51-0342	EA	Drill Meter Cover For Temporary Bypass Pipe	12.65	
33 01 30 51-0343		**Grind Offset Joint** *(33 01 30 51-0001)*		
33 01 30 51-0344	EA	6" To 10", Grind Drop Offset Joint	287.39	
33 01 30 51-0345	EA	>10" To 15", Grind Drop Offset Joint	383.19	
33 01 30 51-0346	EA	>15" To 24", Grind Drop Offset Joint	478.99	
33 01 30 51-0347	EA	>24" To 30", Grind Drop Offset Joint	574.78	
33 01 30 51-0348		**Temporary Pipe Plugging** *(33 01 30 51-0001)*		
33 01 30 51-0349		**Gravity Bladder Pipe Plugging** *(33 01 30 51-0348)* Note: Includes insertion of expandable bladder device into pipe, expanding to block flow and removal.		
33 01 30 51-0350	EA	3/4" Bladder Type Pipe Plug	58.40	
33 01 30 51-0351	EA	1" Bladder Type Pipe Plug	62.56	
33 01 30 51-0352	EA	1-1/4" Bladder Type Pipe Plug	67.91	
33 01 30 51-0353	EA	1-1/2" Bladder Type Pipe Plug	72.79	
33 01 30 51-0354	EA	2" Bladder Type Pipe Plug	77.43	
33 01 30 51-0355	EA	2-1/2" Bladder Type Pipe Plug	82.76	
33 01 30 51-0356	EA	3" Bladder Type Pipe Plug	89.90	
33 01 30 51-0357	EA	4" Bladder Type Pipe Plug	99.05	
33 01 30 51-0358	EA	5" Bladder Type Pipe Plug	107.22	
33 01 30 51-0359	EA	6" Bladder Type Pipe Plug	119.45	
33 01 30 51-0360	EA	8" Bladder Type Pipe Plug	132.74	
33 01 30 51-0361	EA	10" Bladder Type Pipe Plug	153.75	
33 01 30 51-0362	EA	12" Bladder Type Pipe Plug	182.85	
33 01 30 51-0363	EA	14" Bladder Type Pipe Plug	217.06	
33 01 30 51-0364	EA	16" Bladder Type Pipe Plug	261.26	
33 01 30 51-0365	EA	18" Bladder Type Pipe Plug	314.37	
33 01 30 51-0366	EA	20" Bladder Type Pipe Plug	376.50	
33 01 30 51-0367	EA	24" Bladder Type Pipe Plug	435.63	
33 01 30 51-0368		**Hydra Stop, Hot Tapping Of Pressure Pipe** *(33 01 30 51-0348)* Note: Includes flanged or threaded lateral outlet, cutting and tapping pipe, insertion of expandable bladder device into pipe, expanding to block flow, and removal of bladder/cutting device.		
33 01 30 51-0369	EA	2" Hydra Stop, Line Stopper	1,579.69	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0370	EA	2-1/2" Hydra Stop, Line Stopper	1,981.28	
33 01 30 51-0371	EA	3" Hydra Stop, Line Stopper	2,422.90	
33 01 30 51-0372	EA	4" Hydra Stop, Line Stopper	2,959.19	
33 01 30 51-0373	EA	5" Hydra Stop, Line Stopper	3,382.05	
33 01 30 51-0374	EA	6" Hydra Stop, Line Stopper	4,094.33	
33 01 30 51-0375	EA	8" Hydra Stop, Line Stopper	4,517.17	
33 01 30 51-0376	EA	10" Hydra Stop, Line Stopper	5,229.41	
33 01 30 51-0377	EA	12" Hydra Stop, Line Stopper	5,941.69	
33 01 30 51-0378	EA	14" Hydra Stop, Line Stopper	6,687.30	
33 01 30 51-0379	EA	16" Hydra Stop, Line Stopper	7,633.13	
33 01 30 51-0380	EA	18" Hydra Stop, Line Stopper	8,679.04	
33 01 30 51-0381	EA	20" Hydra Stop, Line Stopper	10,191.94	
33 01 30 51-0382		Aluminum Expansion Plugs *(33 01 30 51-0348)*		
		Note: For use with PVC, clay Or cast iron drainage pipe.		
33 01 30 51-0383	EA	3" Pipe Plug	42.04	
33 01 30 51-0384	EA	4" Pipe Plug	59.48	
33 01 30 51-0385	EA	5" Pipe Plug	66.92	
33 01 30 51-0386	EA	6" Pipe Plug	100.26	
33 01 30 51-0387	EA	8" Pipe Plug	103.18	
33 01 30 51-0388	EA	10" Pipe Plug	128.40	
33 01 30 51-0389	EA	12" Pipe Plug	172.45	
33 01 30 51-0390	EA	14" Pipe Plug	276.12	
33 01 30 51-0391	EA	15" Pipe Plug	298.84	
33 01 30 51-0392		Pipe Repair Clamp, Stainless Steel, 3" Long *(33 01 30 51-0001)*		
33 01 30 51-0393	EA	1/2" Diameter Pipe Clamp, Stainless Steel, 3" Long	107.40	
33 01 30 51-0394	EA	3/4" Diameter Pipe Clamp, Stainless Steel, 3" Long	107.58	
33 01 30 51-0395	EA	1" Diameter Pipe Clamp, Stainless Steel, 3" Long	108.02	
33 01 30 51-0396	EA	1-1/4" Diameter Pipe Clamp, Stainless Steel, 3" Long	108.46	
33 01 30 51-0397	EA	1-1/2" Diameter Pipe Clamp, Stainless Steel, 3" Long	108.68	
33 01 30 51-0398	EA	2" Diameter Pipe Clamp, Stainless Steel, 3" Long	109.34	
33 01 30 51-0399	EA	2-1/2" Diameter Pipe Clamp, Stainless Steel, 3" Long	110.00	
33 01 30 51-0400	EA	3" Diameter Pipe Clamp, Stainless Steel, 3" Long	110.88	
33 01 30 51-0401	EA	4" Diameter Pipe Clamp, Stainless Steel, 3" Long	197.46	
33 01 30 51-0402	EA	6" Diameter Pipe Clamp, Stainless Steel, 3" Long	200.32	
33 01 30 51-0403	EA	8" Diameter Pipe Clamp, Stainless Steel, 3" Long	202.31	
33 01 30 51-0404	EA	10" Diameter Pipe Clamp, Stainless Steel, 3" Long	223.26	
33 01 30 51-0405	EA	12" Diameter Pipe Clamp, Stainless Steel, 3" Long	225.91	
33 01 30 51-0406	EA	14" Diameter Pipe Clamp, Stainless Steel, 3" Long	227.68	
33 01 30 51-0407	EA	16" Diameter Pipe Clamp, Stainless Steel, 3" Long	230.32	
33 01 30 51-0408	EA	18" Diameter Pipe Clamp, Stainless Steel, 3" Long	232.97	
33 01 30 51-0409	EA	20" Diameter Pipe Clamp, Stainless Steel, 3" Long	236.50	
33 01 30 51-0410	EA	24" Diameter Pipe Clamp, Stainless Steel, 3" Long	242.67	
33 01 30 61		**Sewer and Pipe Joint Sealing** *(33 01 30)*		
33 01 30 61-0001		Joint Air Test *(33 01 30 61)*		
33 01 30 61-0002	EA	4" To 8", Joint Air Test	66.99	
33 01 30 61-0003	EA	10" To 15", Joint Air Test	78.15	
33 01 30 61-0004	EA	>15" To 21", Joint Air Test	89.32	
33 01 30 61-0005	EA	>21" To 24", Joint Air Test	111.64	
33 01 30 61-0006	EA	>24" To 27", Joint Air Test	133.97	
33 01 30 61-0007	EA	>27" To 36", Joint Air Test	156.30	
33 01 30 61-0008		Joint Seal And Joint Air Retest *(33 01 30 61)*		
		Note: Includes grout.		
33 01 30 61-0009	EA	4" Joint Seal And Joint Air Retest	196.62	
		Note: Includes up to 1 gallon of grout.		
33 01 30 61-0010	EA	6" Joint Seal And Joint Air Retest	218.95	
		Note: Includes 1 gallon of grout.		
33 01 30 61-0011	EA	8" Joint Seal And Joint Air Retest	259.27	
		Note: Includes 2 gallons of grout.		
33 01 30 61-0012	EA	10" Joint Seal And Joint Air Retest	290.60	
		Note: Includes 2.5 gallons of grout.		
33 01 30 61-0013	EA	12" Joint Seal And Joint Air Retest	321.91	
		Note: Includes 3 gallons of grout.		
33 01 30 61-0014	EA	15" Joint Seal And Joint Air Retest	380.07	
		Note: Includes 3.75 gallons of grout.		
33 01 30 61-0015	EA	18" Joint Seal And Joint Air Retest	438.22	
		Note: Includes 4.5 gallons of grout.		
33 01 30 61-0016	EA	21" Joint Seal And Joint Air Retest	496.36	
		Note: Includes 5.25 gallons of grout.		
33 01 30 61-0017	EA	24" Joint Seal And Joint Air Retest	576.84	
		Note: Includes 6 gallons of grout.		
33 01 30 61-0018	EA	27" Joint Seal And Joint Air Retest	657.32	
		Note: Includes 6.75 gallons of grout.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 61-0019	EA	30" Joint Seal And Joint Air Retest Note: Includes 7.5 gallons of grout.	760.13	
33 01 30 61-0020	EA	36" Joint Seal And Joint Air Retest Note: Includes 9 gallons of grout.	876.43	
33 01 30 61-0021	GAL	Extra Grout Per Joint Note: For extra grout per joint required over listed amount.	107.31	

33 01 30 71 Rehabilitation Of Sewer Utilities *(33 01 30)*

33 01 30 71-0001 Pipe Bursting *(33 01 30 71)*

Note: The following section excludes costs for CCTV Inspection, sewer cleaning, pavement both temporary and permanent, emergency after hours response for homeowners backups, bypass pumping, tree removal, service saddles, soil testing, and erosion control. See CSI section 31 13 13 00-0001 for tree removal.

33 01 30 71-0002 Manhole Chipping *(33 01 30 71-0001)*

Note: For use at manholes to open holes for pipe bursting head.

33 01 30 71-0003	EA	6" To 15" Diameter, Manhole Chipping	253.41
33 01 30 71-0004	EA	>15" To 24" Diameter, Manhole Chipping	297.50
33 01 30 71-0005	EA	>24" To 36" Diameter, Manhole Chipping	371.86

33 01 30 71-0006 Pipe Bursting *(33 01 30 71-0001)*

Note: Includes equipment to burst or upsize existing clay, cast iron, concrete, PVC or ductile iron pipe; pipe bursting royalty fee. Excludes CCTV inspection, PE piping, excavation of pit, backfill, compaction, final grade, seed and sod restoration, recovery of bursting head disabled by obstruction, either undocumented or unrecognizable during CCTV inspection. See CSI section 33 01 30 71-0047 for PE piping.

33 01 30 71-0007 Pipe Bursting Equipment Set-up *(33 01 30 71-0006)*

33 01 30 71-0008	EA	Initial Set-up Pipe Bursting Equipment	4,736.35
33 01 30 71-0009	EA	Re-Set Up/Move Pipe Bursting Equipment	2,368.18
33 01 30 71-0010	EA	Set Up/Move Pipe Bursting Equipment For Laterals	1,184.09

33 01 30 71-0011 Pneumatic Head Pipe Bursting *(33 01 30 71-0006)*

33 01 30 71-0012	LF	4" Diameter, Pneumatic Head Pipe Bursting	15.60
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*0.83*
		For >150 To 200, Add	*0.54*
		For >100 To 150, Add	*1.08*
		For >75 To 100, Add	*1.62*
		For >50 To 75, Add	*2.15*
		For >25 To 50, Add	*3.23*
		For Up To 25, Add	*4.85*
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*1.08*
		For Bursting Ductile Iron Pipe, Add	*2.69*
33 01 30 71-0013	LF	6" Diameter, Pneumatic Head Pipe Bursting	18.18
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*1.03*
		For >150 To 200, Add	*0.67*
		For >100 To 150, Add	*1.34*
		For >75 To 100, Add	*2.00*
		For >50 To 75, Add	*2.67*
		For >25 To 50, Add	*4.01*
		For Up To 25, Add	*6.01*
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*1.34*
		For Bursting Ductile Iron Pipe, Add	*3.34*
33 01 30 71-0014	LF	8" Diameter, Pneumatic Head Pipe Bursting	20.61
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*1.22*
		For >150 To 200, Add	*0.79*
		For >100 To 150, Add	*1.58*
		For >75 To 100, Add	*2.37*
		For >50 To 75, Add	*3.16*
		For >25 To 50, Add	*4.73*
		For Up To 25, Add	*7.10*
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*1.58*
		For Bursting Ductile Iron Pipe, Add	*3.95*
33 01 30 71-0015	LF	10" Diameter, Pneumatic Head Pipe Bursting	23.73
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*1.46*
		For >150 To 200, Add	*0.95*
		For >100 To 150, Add	*1.89*
		For >75 To 100, Add	*2.84*
		For >50 To 75, Add	*3.78*
		For >25 To 50, Add	*5.67*
		For Up To 25, Add	*8.51*
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*1.89*
		For Bursting Ductile Iron Pipe, Add	*4.73*
33 01 30 71-0016	LF	12" Diameter, Pneumatic Head Pipe Bursting	27.34
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*1.73*
		For >150 To 200, Add	*1.13*
		For >100 To 150, Add	*2.25*
		For >75 To 100, Add	*3.38*
		For >50 To 75, Add	*4.50*
		For >25 To 50, Add	*6.75*
		For Up To 25, Add	*10.13*
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*2.25*
		For Bursting Ductile Iron Pipe, Add	*5.63*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0017	LF	15" Diameter, Pneumatic Head Pipe Bursting	29.91	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*1.79*	
		For >150 To 200, Add	*1.16*	
		For >100 To 150, Add	*2.32*	
		For >75 To 100, Add	*3.49*	
		For >50 To 75, Add	*4.65*	
		For >25 To 50, Add	*6.97*	
		For Up To 25, Add	*10.46*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*2.32*	
		For Bursting Ductile Iron Pipe, Add	*5.81*	
33 01 30 71-0018	LF	18" Diameter, Pneumatic Head Pipe Bursting	33.52	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*2.07*	
		For >150 To 200, Add	*1.34*	
		For >100 To 150, Add	*2.69*	
		For >75 To 100, Add	*4.03*	
		For >50 To 75, Add	*5.37*	
		For >25 To 50, Add	*8.06*	
		For Up To 25, Add	*12.08*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*2.69*	
		For Bursting Ductile Iron Pipe, Add	*6.71*	
33 01 30 71-0019	LF	21"/22" Diameter, Pneumatic Head Pipe Bursting	41.97	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*2.46*	
		For >150 To 200, Add	*1.60*	
		For >100 To 150, Add	*3.20*	
		For >75 To 100, Add	*4.79*	
		For >50 To 75, Add	*6.39*	
		For >25 To 50, Add	*9.59*	
		For Up To 25, Add	*14.38*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*3.20*	
		For Bursting Ductile Iron Pipe, Add	*7.99*	
33 01 30 71-0020	LF	24" Diameter, Pneumatic Head Pipe Bursting	52.23	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*3.25*	
		For >150 To 200, Add	*2.11*	
		For >100 To 150, Add	*4.22*	
		For >75 To 100, Add	*6.33*	
		For >50 To 75, Add	*8.44*	
		For >25 To 50, Add	*12.67*	
		For Up To 25, Add	*19.00*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*4.22*	
		For Bursting Ductile Iron Pipe, Add	*10.56*	
33 01 30 71-0021	LF	30" Diameter, Pneumatic Head Pipe Bursting	57.15	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*3.37*	
		For >150 To 200, Add	*2.19*	
		For >100 To 150, Add	*4.38*	
		For >75 To 100, Add	*6.57*	
		For >50 To 75, Add	*8.76*	
		For >25 To 50, Add	*13.14*	
		For Up To 25, Add	*19.71*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*4.38*	
		For Bursting Ductile Iron Pipe, Add	*10.95*	
33 01 30 71-0022	LF	36" Diameter, Pneumatic Head Pipe Bursting	75.11	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*4.76*	
		For >150 To 200, Add	*3.09*	
		For >100 To 150, Add	*6.18*	
		For >75 To 100, Add	*9.27*	
		For >50 To 75, Add	*12.35*	
		For >25 To 50, Add	*18.53*	
		For Up To 25, Add	*27.80*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*6.18*	
		For Bursting Ductile Iron Pipe, Add	*15.44*	

33 01 30 71-0023 Static Head Pipe Bursting *(33 01 30 71-0006)*

33 01 30 71-0024	LF	4" Diameter, Static Head Pipe Bursting	20.83	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*1.23*	
		For >150 To 200, Add	*0.80*	
		For >100 To 150, Add	*1.60*	
		For >75 To 100, Add	*2.40*	
		For >50 To 75, Add	*3.20*	
		For >25 To 50, Add	*4.80*	
		For Up To 25, Add	*7.20*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*1.60*	
		For Bursting Ductile Iron Pipe, Add	*4.00*	
33 01 30 71-0025	LF	6" Diameter, Static Head Pipe Bursting	23.43	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*1.43*	
		For >150 To 200, Add	*0.93*	
		For >100 To 150, Add	*1.86*	
		For >75 To 100, Add	*2.79*	
		For >50 To 75, Add	*3.72*	
		For >25 To 50, Add	*5.58*	
		For Up To 25, Add	*8.37*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*1.86*	
		For Bursting Ductile Iron Pipe, Add	*4.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0026	LF	8" Diameter, Static Head Pipe Bursting	26.44	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*1.66*	
		For >150 To 200, Add	*1.08*	
		For >100 To 150, Add	*2.16*	
		For >75 To 100, Add	*3.24*	
		For >50 To 75, Add	*4.32*	
		For >25 To 50, Add	*6.48*	
		For Up To 25, Add	*9.72*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*2.16*	
		For Bursting Ductile Iron Pipe, Add	*5.40*	
33 01 30 71-0027	LF	10" Diameter, Static Head Pipe Bursting	30.36	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*1.97*	
		For >150 To 200, Add	*1.28*	
		For >100 To 150, Add	*2.55*	
		For >75 To 100, Add	*3.83*	
		For >50 To 75, Add	*5.11*	
		For >25 To 50, Add	*7.66*	
		For Up To 25, Add	*11.49*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*2.55*	
		For Bursting Ductile Iron Pipe, Add	*6.38*	
33 01 30 71-0028	LF	12" Diameter, Static Head Pipe Bursting	34.87	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*2.31*	
		For >150 To 200, Add	*1.50*	
		For >100 To 150, Add	*3.00*	
		For >75 To 100, Add	*4.51*	
		For >50 To 75, Add	*6.01*	
		For >25 To 50, Add	*9.01*	
		For Up To 25, Add	*13.52*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*3.00*	
		For Bursting Ductile Iron Pipe, Add	*7.51*	
33 01 30 71-0029	LF	15" Diameter, Static Head Pipe Bursting	39.92	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*2.56*	
		For >150 To 200, Add	*1.66*	
		For >100 To 150, Add	*3.33*	
		For >75 To 100, Add	*4.99*	
		For >50 To 75, Add	*6.65*	
		For >25 To 50, Add	*9.98*	
		For Up To 25, Add	*14.96*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*3.33*	
		For Bursting Ductile Iron Pipe, Add	*8.31*	
33 01 30 71-0030	LF	18" Diameter, Static Head Pipe Bursting	44.30	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*2.90*	
		For >150 To 200, Add	*1.88*	
		For >100 To 150, Add	*3.76*	
		For >75 To 100, Add	*5.64*	
		For >50 To 75, Add	*7.53*	
		For >25 To 50, Add	*11.29*	
		For Up To 25, Add	*16.93*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*3.76*	
		For Bursting Ductile Iron Pipe, Add	*9.41*	
33 01 30 71-0031	LF	21"/22" Diameter, Static Head Pipe Bursting	55.07	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*3.47*	
		For >150 To 200, Add	*2.25*	
		For >100 To 150, Add	*4.51*	
		For >75 To 100, Add	*6.76*	
		For >50 To 75, Add	*9.01*	
		For >25 To 50, Add	*13.52*	
		For Up To 25, Add	*20.28*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*4.51*	
		For Bursting Ductile Iron Pipe, Add	*11.27*	
33 01 30 71-0032	LF	24" Diameter, Static Head Pipe Bursting	71.84	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*4.76*	
		For >150 To 200, Add	*3.09*	
		For >100 To 150, Add	*6.18*	
		For >75 To 100, Add	*9.27*	
		For >50 To 75, Add	*12.37*	
		For >25 To 50, Add	*18.55*	
		For Up To 25, Add	*27.82*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*6.18*	
		For Bursting Ductile Iron Pipe, Add	*15.46*	
33 01 30 71-0033	LF	30" Diameter, Static Head Pipe Bursting	87.23	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*5.69*	
		For >150 To 200, Add	*3.69*	
		For >100 To 150, Add	*7.39*	
		For >75 To 100, Add	*11.08*	
		For >50 To 75, Add	*14.78*	
		For >25 To 50, Add	*22.17*	
		For Up To 25, Add	*33.25*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*7.39*	
		For Bursting Ductile Iron Pipe, Add	*18.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0034	LF	36" Diameter, Static Head Pipe Bursting	105.97	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*7.13*	
		For >150 To 200, Add	*4.63*	
		For >100 To 150, Add	*9.26*	
		For >75 To 100, Add	*13.89*	
		For >50 To 75, Add	*18.53*	
		For >25 To 50, Add	*27.79*	
		For Up To 25, Add	*41.68*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*9.26*	
		For Bursting Ductile Iron Pipe, Add	*23.16*	

33 01 30 71-0035 Hydraulic Head Pipe Bursting *(33 01 30 71-0006)*

33 01 30 71-0036	LF	4" Diameter, Hydraulic Head Pipe Bursting	17.99	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*1.01*	
		For >150 To 200, Add	*0.66*	
		For >100 To 150, Add	*1.32*	
		For >75 To 100, Add	*1.97*	
		For >50 To 75, Add	*2.63*	
		For >25 To 50, Add	*3.95*	
		For Up To 25, Add	*5.92*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*1.32*	
		For Bursting Ductile Iron Pipe, Add	*3.29*	
33 01 30 71-0037	LF	6" Diameter, Hydraulic Head Pipe Bursting	20.29	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*1.19*	
		For >150 To 200, Add	*0.77*	
		For >100 To 150, Add	*1.55*	
		For >75 To 100, Add	*2.32*	
		For >50 To 75, Add	*3.09*	
		For >25 To 50, Add	*4.64*	
		For Up To 25, Add	*6.96*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*1.55*	
		For Bursting Ductile Iron Pipe, Add	*3.87*	
33 01 30 71-0038	LF	8" Diameter, Hydraulic Head Pipe Bursting	22.94	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*1.39*	
		For >150 To 200, Add	*0.91*	
		For >100 To 150, Add	*1.81*	
		For >75 To 100, Add	*2.72*	
		For >50 To 75, Add	*3.62*	
		For >25 To 50, Add	*5.43*	
		For Up To 25, Add	*8.15*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*1.81*	
		For Bursting Ductile Iron Pipe, Add	*4.53*	
33 01 30 71-0039	LF	10" Diameter, Hydraulic Head Pipe Bursting	26.38	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*1.66*	
		For >150 To 200, Add	*1.08*	
		For >100 To 150, Add	*2.16*	
		For >75 To 100, Add	*3.23*	
		For >50 To 75, Add	*4.31*	
		For >25 To 50, Add	*6.47*	
		For Up To 25, Add	*9.70*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*2.16*	
		For Bursting Ductile Iron Pipe, Add	*5.39*	
33 01 30 71-0040	LF	12" Diameter, Hydraulic Head Pipe Bursting	30.36	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*1.97*	
		For >150 To 200, Add	*1.28*	
		For >100 To 150, Add	*2.55*	
		For >75 To 100, Add	*3.83*	
		For >50 To 75, Add	*5.11*	
		For >25 To 50, Add	*7.66*	
		For Up To 25, Add	*11.49*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*2.55*	
		For Bursting Ductile Iron Pipe, Add	*6.38*	
33 01 30 71-0041	LF	15" Diameter, Hydraulic Head Pipe Bursting	34.61	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*2.15*	
		For >150 To 200, Add	*1.40*	
		For >100 To 150, Add	*2.79*	
		For >75 To 100, Add	*4.19*	
		For >50 To 75, Add	*5.59*	
		For >25 To 50, Add	*8.38*	
		For Up To 25, Add	*12.57*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*2.79*	
		For Bursting Ductile Iron Pipe, Add	*6.99*	
33 01 30 71-0042	LF	18" Diameter, Hydraulic Head Pipe Bursting	38.91	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*2.48*	
		For >150 To 200, Add	*1.61*	
		For >100 To 150, Add	*3.22*	
		For >75 To 100, Add	*4.84*	
		For >50 To 75, Add	*6.45*	
		For >25 To 50, Add	*9.67*	
		For Up To 25, Add	*14.51*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*3.22*	
		For Bursting Ductile Iron Pipe, Add	*8.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0043	LF	21"/22" Diameter, Hydraulic Head Pipe Bursting	48.62	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*2.97*	
		For >150 To 200, Add	*1.93*	
		For >100 To 150, Add	*3.86*	
		For >75 To 100, Add	*5.79*	
		For >50 To 75, Add	*7.72*	
		For >25 To 50, Add	*11.58*	
		For Up To 25, Add	*17.37*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*3.86*	
		For Bursting Ductile Iron Pipe, Add	*9.65*	
33 01 30 71-0044	LF	24" Diameter, Hydraulic Head Pipe Bursting	64.04	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*4.16*	
		For >150 To 200, Add	*2.70*	
		For >100 To 150, Add	*5.40*	
		For >75 To 100, Add	*8.10*	
		For >50 To 75, Add	*10.81*	
		For >25 To 50, Add	*16.21*	
		For Up To 25, Add	*24.31*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*5.40*	
		For Bursting Ductile Iron Pipe, Add	*13.51*	
33 01 30 71-0045	LF	30" Diameter, Hydraulic Head Pipe Bursting	78.48	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*5.02*	
		For >150 To 200, Add	*3.26*	
		For >100 To 150, Add	*6.51*	
		For >75 To 100, Add	*9.77*	
		For >50 To 75, Add	*13.03*	
		For >25 To 50, Add	*19.54*	
		For Up To 25, Add	*29.31*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*6.51*	
		For Bursting Ductile Iron Pipe, Add	*16.29*	
33 01 30 71-0046	LF	36" Diameter, Hydraulic Head Pipe Bursting	96.29	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*6.39*	
		For >150 To 200, Add	*4.15*	
		For >100 To 150, Add	*8.30*	
		For >75 To 100, Add	*12.44*	
		For >50 To 75, Add	*16.59*	
		For >25 To 50, Add	*24.89*	
		For Up To 25, Add	*37.33*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*8.30*	
		For Bursting Ductile Iron Pipe, Add	*20.74*	

33 01 30 71-0047 Pipe Lining *(33 01 30 71-0001)*

33 01 30 71-0048 Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining *(33 01 30 71-0047)*

Note: Per each joint.

33 01 30 71-0049	EA	4" To 15", Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining	82.42
33 01 30 71-0050	EA	>15" To 24", Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining	94.56
33 01 30 71-0051	EA	>24" To 36", Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining	112.79

33 01 30 71-0052 High Density Polyethylene (HDPE) Pipe Lining, DR 17 *(33 01 30 71-0047)*

Note: Material only, to be installed behind bursting head. Excludes pipe joint fusion. See CSI section 33 01 30 71-0048 for pipe joint fusion.

33 01 30 71-0053	LF	4" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	2.58	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-0.28*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*0.76*	
		For White Interior Pipe, Add	*0.51*	
		For Gray Interior Pipe, Add	*0.39*	
33 01 30 71-0054	LF	5" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	3.41	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-0.42*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*1.15*	
		For White Interior Pipe, Add	*0.78*	
		For Gray Interior Pipe, Add	*0.59*	
33 01 30 71-0055	LF	6" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	4.84	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-0.68*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*1.84*	
		For White Interior Pipe, Add	*1.24*	
		For Gray Interior Pipe, Add	*0.94*	
33 01 30 71-0056	LF	7.125" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	5.46	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-0.78*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*2.13*	
		For White Interior Pipe, Add	*1.44*	
		For Gray Interior Pipe, Add	*1.09*	
33 01 30 71-0057	LF	8" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	7.51	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-1.14*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*3.11*	
		For White Interior Pipe, Add	*2.10*	
		For Gray Interior Pipe, Add	*1.59*	
33 01 30 71-0058	LF	10" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	11.05	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-1.78*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*4.83*	
		For White Interior Pipe, Add	*3.26*	
		For Gray Interior Pipe, Add	*2.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0059	LF	12" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	15.10	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-2.50*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*6.80*	
		For White Interior Pipe, Add	*4.59*	
		For Gray Interior Pipe, Add	*3.48*	
33 01 30 71-0060	LF	13.375" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	16.53	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-2.75*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*7.48*	
		For White Interior Pipe, Add	*5.05*	
		For Gray Interior Pipe, Add	*3.82*	
33 01 30 71-0061	LF	14" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	18.04	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-3.02*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*8.20*	
		For White Interior Pipe, Add	*5.53*	
		For Gray Interior Pipe, Add	*4.19*	
33 01 30 71-0062	LF	16" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	23.25	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-3.94*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*10.70*	
		For White Interior Pipe, Add	*7.22*	
		For Gray Interior Pipe, Add	*5.47*	
33 01 30 71-0063	LF	18" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	29.17	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-4.99*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*13.56*	
		For White Interior Pipe, Add	*9.15*	
		For Gray Interior Pipe, Add	*6.93*	
33 01 30 71-0064	LF	20" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	35.75	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-6.16*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*16.73*	
		For White Interior Pipe, Add	*11.29*	
		For Gray Interior Pipe, Add	*8.55*	
33 01 30 71-0065	LF	22" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	43.05	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-7.45*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*20.24*	
		For White Interior Pipe, Add	*13.66*	
		For Gray Interior Pipe, Add	*10.35*	
33 01 30 71-0066	LF	24" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	51.09	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-8.87*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*24.10*	
		For White Interior Pipe, Add	*16.26*	
		For Gray Interior Pipe, Add	*12.32*	
33 01 30 71-0067	LF	26" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	59.76	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-10.40*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*28.26*	
		For White Interior Pipe, Add	*19.07*	
		For Gray Interior Pipe, Add	*14.45*	
33 01 30 71-0068	LF	28" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	69.20	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-12.07*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*32.78*	
		For White Interior Pipe, Add	*22.12*	
		For Gray Interior Pipe, Add	*16.76*	
33 01 30 71-0069	LF	30" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	79.38	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-13.85*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*37.64*	
		For White Interior Pipe, Add	*25.40*	
		For Gray Interior Pipe, Add	*19.24*	
33 01 30 71-0070	LF	32" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	90.27	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-15.76*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*42.81*	
		For White Interior Pipe, Add	*28.89*	
		For Gray Interior Pipe, Add	*21.89*	
33 01 30 71-0071	LF	34" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	111.13	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-19.45*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*52.83*	
		For White Interior Pipe, Add	*35.65*	
		For Gray Interior Pipe, Add	*27.01*	
33 01 30 71-0072	LF	36" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	114.43	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-19.95*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*54.19*	
		For White Interior Pipe, Add	*36.57*	
		For Gray Interior Pipe, Add	*27.71*	

33 01 30 71-0073 Re-Connection Of Non-Renewed Laterals *(33 01 30 71-0001)*

33 01 30 71-0074 Re-Connection Of Non-Renewed Laterals; Insert-A-Tee *(33 01 30 71-0073)*

Note: Includes cutting hole in pipe and excavation vacuum truck for exterior pipe lateral reconnection. Excludes asphalt removal, asphalt replacement pavement both temporary and permanent, hauling, and back-fill material. See CSI section 01 74 19 00-0038 for hauling, 31 05 16 00-0001 for back-fill material.

33 01 30 71-0075	EA	Re-Connection Of Non-Renewed Lateral, 6 To 8" Main With 4" Inserta-Tee	799.95	
		For No Excavation, Deduct	*-525.34*	
33 01 30 71-0076	EA	Re-Connection Of Non-Renewed Lateral, 8" Main With 6" Inserta-Tee	898.26	
		For No Excavation, Deduct	*-591.00*	
33 01 30 71-0077	EA	Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 4" Inserta-Tee	948.16	
		For No Excavation, Deduct	*-623.83*	
33 01 30 71-0078	EA	Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 6" Inserta-Tee	998.07	
		For No Excavation, Deduct	*-656.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0079	EA	Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 8" Inserta-Tee	1,076.45	
		For No Excavation, Deduct	*-689.50*	
33 01 30 71-0080	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 4" Inserta-Tee	1,008.56	
		For No Excavation, Deduct	*-656.67*	
33 01 30 71-0081	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 6" Inserta-Tee	1,059.96	
		For No Excavation, Deduct	*-689.50*	
33 01 30 71-0082	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 8" Inserta-Tee	1,132.36	
		For No Excavation, Deduct	*-722.34*	
33 01 30 71-0083	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 10" Inserta-Tee	1,306.69	
		For No Excavation, Deduct	*-755.17*	
33 01 30 71-0084	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 12" Inserta-Tee	1,374.59	
		For No Excavation, Deduct	*-788.00*	
33 01 30 71-0085	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 15" Inserta-Tee	1,640.37	
		For No Excavation, Deduct	*-820.83*	

33 01 30 71-0086 Re-Connection Of Non-Renewed Laterals; Saddle Style *(33 01 30 71-0073)*

Note: Includes excavation vacuum truck for exterior pipe lateral reconnection, fusion to high density polyethylene (HDPE) pipe for lateral. Excludes asphalt removal, asphalt replacement pavement both temporary and permanent, hauling and back-fill material. See CSI section 01 74 19 00-0038 for hauling, 31 05 16 00-0001 for back-fill material.

33 01 30 71-0087	EA	Re-Connection Of Non-Renewed Lateral, 6" Main With 4" Or 6" Saddle Tap	1,867.45	
		For No Excavation, Deduct	*-586.31*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*-130.30*	
33 01 30 71-0088	EA	Re-Connection Of Non-Renewed Lateral, 8" Main With 4" Or 6" Saddle Tap	2,073.00	
		For No Excavation, Deduct	*-609.77*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*-115.89*	
33 01 30 71-0089	EA	Re-Connection Of Non-Renewed Lateral, 10" Main With 4" Or 6" Saddle Tap	2,954.43	
		For No Excavation, Deduct	*-633.22*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*-0.09*	
33 01 30 71-0090	EA	Re-Connection Of Non-Renewed Lateral, 12" Main With 4" Or 6" Saddle Tap	3,095.15	
		For No Excavation, Deduct	*-703.58*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*-28.23*	
33 01 30 71-0091	EA	Re-Connection Of Non-Renewed Lateral, 14" Main With 4" Or 6" Saddle Tap	5,716.90	
		For No Excavation, Deduct	*-750.48*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*332.20*	
33 01 30 71-0092	EA	Re-Connection Of Non-Renewed Lateral, 16" Main With 4" Or 6" Saddle Tap	6,179.73	
		For No Excavation, Deduct	*-832.56*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*344.17*	
33 01 30 71-0093	EA	Re-Connection Of Non-Renewed Lateral, 18" Main With 4" Or 6" Saddle Tap	8,255.44	
		For No Excavation, Deduct	*-914.65*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*598.06*	
33 01 30 71-0094	EA	Re-Connection Of Non-Renewed Lateral, 20" Main With 4" Or 6" Saddle Tap	7,812.76	
		For No Excavation, Deduct	*-1,031.91*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*449.58*	
33 01 30 71-0095	EA	Re-Connection Of Non-Renewed Lateral, 22" Main With 4" Or 6" Saddle Tap	7,716.29	
		For No Excavation, Deduct	*-1,125.72*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*369.44*	
33 01 30 71-0096	EA	Re-Connection Of Non-Renewed Lateral, 24" Main With 4" Or 6" Saddle Tap	9,501.11	
		For No Excavation, Deduct	*-1,219.53*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*571.50*	

33 01 30 72 Relining Pipelines *(33 01 30)*

33 01 30 72-0001 Relining Underground Pipelines *(33 01 30 72)*

Note: Excludes CCTV inspection, sewer cleaning, pavement both temporary and permanent, emergency after hours response for homeowners backups. See CSI section 01 22 20 00-0000 for hourly rates for after hours response for homeowners backups, 32 01 17 63-0000 for temporary pavement, 32 12 16 00-0000 for permanent pavement, 33 01 30 16-0000 for CCTV Inspection, 33 01 30 41-0002 for sewer cleaning.

33 01 30 72-0002 Relining Underground Pipelines Set-Up And Reinsertion *(33 01 30 72-0001)*

33 01 30 72-0003	EA	Initial Set Up And Final Equipment Removal For Relining Underground Pipelines	3,651.90	
33 01 30 72-0004	EA	Move And Reset Up At Different Access/Location For Relining Underground Pipelines	1,460.76	
33 01 30 72-0005	EA	Mixing Truck And Refrigeration For 54" To 72" CIPP	24,832.13	
		Note: Need to mix wet material in bag prior to installation. Not needed for small sizes.		

33 01 30 72-0006 Lining Pipe With Cured In-Place Pipe *(33 01 30 72-0001)*

Note: Cured in-place thermosetting resin pipe and resin impregnated tube.

33 01 30 72-0007	LF	6mm Lining 6" Pipe With Cured In-Place Pipe (CIPP)	24.40	
		For Up To 75, Add	*15.84*	
		For >75 To 150, Add	*7.92*	
		For >500 To 1,000, Deduct	*-0.66*	
		For >1,000 To 2,000, Deduct	*-1.27*	
		For >2,000 To 5,000, Deduct	*-1.97*	
		For >5,000, Deduct	*-2.86*	
		For 7.5mm Liner Thickness, Add	*3.99*	
		For 9mm Liner Thickness, Add	*8.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0008	LF	6mm Lining 8" Pipe With Cured In-Place Pipe (CIPP)	26.99	
		For Up To 75, Add	*17.27*	
		For >75 To 150, Add	*8.63*	
		For >500 To 1,000, Deduct	*-0.72*	
		For >1,000 To 2,000, Deduct	*-1.40*	
		For >2,000 To 5,000, Deduct	*-2.17*	
		For >5,000, Deduct	*-3.16*	
		For 7.5mm Liner Thickness, Add	*4.47*	
		For 9mm Liner Thickness, Add	*9.03*	
33 01 30 72-0009	LF	6mm Lining 10" Pipe With Cured In-Place Pipe (CIPP)	30.18	
		For Up To 75, Add	*18.98*	
		For >75 To 150, Add	*9.49*	
		For >500 To 1,000, Deduct	*-0.80*	
		For >1,000 To 2,000, Deduct	*-1.56*	
		For >2,000 To 5,000, Deduct	*-2.41*	
		For >5,000, Deduct	*-3.52*	
		For 7.5mm Liner Thickness, Add	*5.06*	
		For 9mm Liner Thickness, Add	*10.22*	
33 01 30 72-0010	LF	6mm Lining 12" Pipe With Cured In-Place Pipe (CIPP)	33.61	
		For Up To 75, Add	*20.97*	
		For >75 To 150, Add	*10.49*	
		For >500 To 1,000, Deduct	*-0.89*	
		For >1,000 To 2,000, Deduct	*-1.73*	
		For >2,000 To 5,000, Deduct	*-2.67*	
		For >5,000, Deduct	*-3.91*	
		For 7.5mm Liner Thickness, Add	*5.66*	
		For 9mm Liner Thickness, Add	*11.45*	
33 01 30 72-0011	LF	6mm Lining 15" Pipe With Cured In-Place Pipe (CIPP)	38.60	
		For Up To 75, Add	*23.91*	
		For >75 To 150, Add	*11.95*	
		For >500 To 1,000, Deduct	*-1.02*	
		For >1,000 To 2,000, Deduct	*-1.98*	
		For >2,000 To 5,000, Deduct	*-3.06*	
		For >5,000, Deduct	*-4.48*	
		For 7.5mm Liner Thickness, Add	*6.54*	
		For 9mm Liner Thickness, Add	*13.22*	
		For 10.5mm Liner Thickness, Add	*19.81*	
		For 12mm Liner Thickness, Add	*26.36*	
		For 13.5mm Liner Thickness, Add	*33.00*	
		For 15mm Liner Thickness, Add	*39.54*	
33 01 30 72-0012	LF	6mm Lining 18" Pipe With Cured In-Place Pipe (CIPP)	45.09	
		For Up To 75, Add	*27.27*	
		For >75 To 150, Add	*13.64*	
		For >500 To 1,000, Deduct	*-1.18*	
		For >1,000 To 2,000, Deduct	*-2.30*	
		For >2,000 To 5,000, Deduct	*-3.55*	
		For >5,000, Deduct	*-5.21*	
		For 7.5mm Liner Thickness, Add	*7.76*	
		For 9mm Liner Thickness, Add	*15.70*	
		For 10.5mm Liner Thickness, Add	*23.52*	
		For 12mm Liner Thickness, Add	*31.30*	
		For 13.5mm Liner Thickness, Add	*39.19*	
		For 15mm Liner Thickness, Add	*46.95*	
33 01 30 72-0013	LF	6mm Lining 21" Pipe With Cured In-Place Pipe (CIPP)	50.49	
		For Up To 75, Add	*29.87*	
		For >75 To 150, Add	*14.94*	
		For >500 To 1,000, Deduct	*-1.31*	
		For >1,000 To 2,000, Deduct	*-2.55*	
		For >2,000 To 5,000, Deduct	*-3.94*	
		For >5,000, Deduct	*-5.81*	
		For 7.5mm Liner Thickness, Add	*8.82*	
		For 9mm Liner Thickness, Add	*17.83*	
		For 10.5mm Liner Thickness, Add	*26.72*	
		For 12mm Liner Thickness, Add	*35.56*	
		For 13.5mm Liner Thickness, Add	*44.52*	
		For 15mm Liner Thickness, Add	*53.34*	
		For 16.5mm Liner Thickness, Add	*63.30*	
		For 18mm Liner Thickness, Add	*72.35*	
		For 19.5mm Liner Thickness, Add	*81.67*	
		For 21mm Liner Thickness, Add	*90.62*	
		For 22.5mm Liner Thickness, Add	*99.67*	
		For 24mm Liner Thickness, Add	*108.74*	
		For 27mm Liner Thickness, Add	*126.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0014	LF	6mm Lining 24" Pipe With Cured In-Place Pipe (CIPP)	55.11	
		For Up To 75, Add	*32.60*	
		For >75 To 150, Add	*16.30*	
		For >500 To 1,000, Deduct	*-1.43*	
		For >1,000 To 2,000, Deduct	*-2.79*	
		For >2,000 To 5,000, Deduct	*-4.30*	
		For >5,000, Deduct	*-6.34*	
		For 7.5mm Liner Thickness, Add	*9.63*	
		For 9mm Liner Thickness, Add	*19.47*	
		For 10.5mm Liner Thickness, Add	*29.17*	
		For 12mm Liner Thickness, Add	*38.82*	
		For 13.5mm Liner Thickness, Add	*48.60*	
		For 15mm Liner Thickness, Add	*58.23*	
		For 16.5mm Liner Thickness, Add	*69.10*	
		For 18mm Liner Thickness, Add	*78.97*	
		For 19.5mm Liner Thickness, Add	*89.15*	
		For 21mm Liner Thickness, Add	*98.92*	
		For 22.5mm Liner Thickness, Add	*108.79*	
		For 24mm Liner Thickness, Add	*118.70*	
		For 27mm Liner Thickness, Add	*138.52*	
33 01 30 72-0015	LF	6mm Lining 27" Pipe With Cured In-Place Pipe (CIPP)	62.02	
		For Up To 75, Add	*36.14*	
		For >75 To 150, Add	*18.07*	
		For >500 To 1,000, Deduct	*-1.61*	
		For >1,000 To 2,000, Deduct	*-3.12*	
		For >2,000 To 5,000, Deduct	*-4.82*	
		For >5,000, Deduct	*-7.12*	
		For 7.5mm Liner Thickness, Add	*10.94*	
		For 9mm Liner Thickness, Add	*22.12*	
		For 10.5mm Liner Thickness, Add	*33.15*	
		For 12mm Liner Thickness, Add	*44.11*	
		For 13.5mm Liner Thickness, Add	*55.23*	
		For 15mm Liner Thickness, Add	*66.17*	
		For 16.5mm Liner Thickness, Add	*78.52*	
		For 18mm Liner Thickness, Add	*89.73*	
		For 19.5mm Liner Thickness, Add	*101.30*	
		For 21mm Liner Thickness, Add	*112.41*	
		For 22.5mm Liner Thickness, Add	*123.62*	
		For 24mm Liner Thickness, Add	*134.88*	
		For 27mm Liner Thickness, Add	*157.41*	
33 01 30 72-0016	LF	6mm Lining 30" Pipe With Cured In-Place Pipe (CIPP)	68.91	
		For Up To 75, Add	*40.16*	
		For >75 To 150, Add	*20.08*	
		For >500 To 1,000, Deduct	*-1.78*	
		For >1,000 To 2,000, Deduct	*-3.47*	
		For >2,000 To 5,000, Deduct	*-5.35*	
		For >5,000, Deduct	*-7.91*	
		For 7.5mm Liner Thickness, Add	*12.16*	
		For 9mm Liner Thickness, Add	*24.58*	
		For 10.5mm Liner Thickness, Add	*36.83*	
		For 12mm Liner Thickness, Add	*49.01*	
		For 13.5mm Liner Thickness, Add	*61.36*	
		For 15mm Liner Thickness, Add	*73.51*	
		For 16.5mm Liner Thickness, Add	*87.24*	
		For 18mm Liner Thickness, Add	*99.70*	
		For 19.5mm Liner Thickness, Add	*112.55*	
		For 21mm Liner Thickness, Add	*124.89*	
		For 22.5mm Liner Thickness, Add	*137.35*	
		For 24mm Liner Thickness, Add	*149.86*	
		For 27mm Liner Thickness, Add	*174.89*	
33 01 30 72-0017	LF	6mm Lining 36" Pipe With Cured In-Place Pipe (CIPP)	84.13	
		For Up To 75, Add	*46.49*	
		For >75 To 150, Add	*23.25*	
		For >500 To 1,000, Deduct	*-2.14*	
		For >1,000 To 2,000, Deduct	*-4.16*	
		For >2,000 To 5,000, Deduct	*-6.42*	
		For >5,000, Deduct	*-9.55*	
		For 7.5mm Liner Thickness, Add	*15.33*	
		For 9mm Liner Thickness, Add	*30.99*	
		For 10.5mm Liner Thickness, Add	*46.44*	
		For 12mm Liner Thickness, Add	*61.80*	
		For 13.5mm Liner Thickness, Add	*77.37*	
		For 15mm Liner Thickness, Add	*92.70*	
		For 16.5mm Liner Thickness, Add	*110.01*	
		For 18mm Liner Thickness, Add	*125.72*	
		For 19.5mm Liner Thickness, Add	*141.93*	
		For 21mm Liner Thickness, Add	*157.49*	
		For 22.5mm Liner Thickness, Add	*173.20*	
		For 24mm Liner Thickness, Add	*188.97*	
		For 27mm Liner Thickness, Add	*220.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0018	LF	13.5mm Lining 42" Pipe With Cured In-Place Pipe (CIPP)	190.17	
		For Up To 75, Add	*71.94*	
		For >75 To 150, Add	*35.97*	
		For >500 To 1,000, Deduct	*-4.33*	
		For >1,000 To 2,000, Deduct	*-8.52*	
		For >2,000 To 5,000, Deduct	*-12.98*	
		For >5,000, Deduct	*-20.32*	
		For 15mm Liner Thickness, Add	*18.23*	
		For 16.5mm Liner Thickness, Add	*38.48*	
		For 18mm Liner Thickness, Add	*58.02*	
		For 19.5mm Liner Thickness, Add	*76.53*	
		For 21mm Liner Thickness, Add	*95.21*	
		For 22.5mm Liner Thickness, Add	*113.81*	
		For 24mm Liner Thickness, Add	*132.81*	
		For 27mm Liner Thickness, Add	*173.23*	
33 01 30 72-0019	LF	13.5mm Lining 48" Pipe With Cured In-Place Pipe (CIPP)	217.96	
		For Up To 75, Add	*83.16*	
		For >75 To 150, Add	*41.58*	
		For >500 To 1,000, Deduct	*-4.97*	
		For >1,000 To 2,000, Deduct	*-9.78*	
		For >2,000 To 5,000, Deduct	*-14.90*	
		For >5,000, Deduct	*-23.32*	
		For 15mm Liner Thickness, Add	*20.83*	
		For 16.5mm Liner Thickness, Add	*43.97*	
		For 18mm Liner Thickness, Add	*66.31*	
		For 19.5mm Liner Thickness, Add	*87.46*	
		For 21mm Liner Thickness, Add	*108.80*	
		For 22.5mm Liner Thickness, Add	*130.06*	
		For 24mm Liner Thickness, Add	*151.78*	
		For 27mm Liner Thickness, Add	*197.96*	
33 01 30 72-0020	LF	15mm Lining 54" Pipe With Cured In-Place Pipe (CIPP)	270.97	
		For Up To 75, Add	*101.66*	
		For >75 To 150, Add	*50.83*	
		For >500 To 1,000, Deduct	*-6.15*	
		For >1,000 To 2,000, Deduct	*-12.12*	
		For >2,000 To 5,000, Deduct	*-18.45*	
		For >5,000, Deduct	*-28.92*	
		For 16.5mm Liner Thickness, Add	*23.47*	
		For 18mm Liner Thickness, Add	*47.13*	
		For 19.5mm Liner Thickness, Add	*70.62*	
		For 21mm Liner Thickness, Add	*94.28*	
		For 22.5mm Liner Thickness, Add	*117.89*	
		For 24mm Liner Thickness, Add	*141.59*	
		For 27mm Liner Thickness, Add	*189.02*	
33 01 30 72-0021	LF	18mm Lining 60" Pipe With Cured In-Place Pipe (CIPP)	362.47	
		For Up To 75, Add	*137.23*	
		For >75 To 150, Add	*68.62*	
		For >500 To 1,000, Deduct	*-8.25*	
		For >1,000 To 2,000, Deduct	*-16.24*	
		For >2,000 To 5,000, Deduct	*-24.74*	
		For >5,000, Deduct	*-38.74*	
		For 19.5mm Liner Thickness, Add	*26.08*	
		For 21mm Liner Thickness, Add	*52.37*	
		For 22.5mm Liner Thickness, Add	*78.57*	
		For 24mm Liner Thickness, Add	*104.87*	
		For 27mm Liner Thickness, Add	*157.55*	
33 01 30 72-0022	LF	18mm Lining 66" Pipe With Cured In-Place Pipe (CIPP)	422.27	
		For Up To 75, Add	*186.18*	
		For >75 To 150, Add	*93.09*	
		For >500 To 1,000, Deduct	*-10.01*	
		For >1,000 To 2,000, Deduct	*-19.63*	
		For >2,000 To 5,000, Deduct	*-30.03*	
		For >5,000, Deduct	*-46.14*	
		For 19.5mm Liner Thickness, Add	*28.69*	
		For 21mm Liner Thickness, Add	*57.62*	
		For 22.5mm Liner Thickness, Add	*86.45*	
		For 24mm Liner Thickness, Add	*115.38*	
		For 27mm Liner Thickness, Add	*173.35*	
33 01 30 72-0023	LF	18mm Lining 72" Pipe With Cured In-Place Pipe (CIPP)	512.29	
		For Up To 75, Add	*280.48*	
		For >75 To 150, Add	*140.24*	
		For >500 To 1,000, Deduct	*-12.98*	
		For >1,000 To 2,000, Deduct	*-25.28*	
		For >2,000 To 5,000, Deduct	*-38.95*	
		For >5,000, Deduct	*-58.08*	
		For 19.5mm Liner Thickness, Add	*31.30*	
		For 21mm Liner Thickness, Add	*62.87*	
		For 22.5mm Liner Thickness, Add	*94.33*	
		For 24mm Liner Thickness, Add	*125.89*	
		For 27mm Liner Thickness, Add	*189.14*	

33 01 30 72-0024 Form And Fold Polyethylene (PE) Pipeliner *(33 01 30 72-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0025	LF	4" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	20.75	
		For DR 26 Pipe Liner, Add	*3.23*	
		For >500 To 1,000, Deduct	*-0.59*	
		For >1,000 To 2,000, Deduct	*-1.17*	
		For >2,000, Deduct	*-2.35*	
33 01 30 72-0026	LF	6" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	25.99	
		For DR 26 Pipe Liner, Add	*4.39*	
		For DR 35 Pipe Liner, Deduct	*-2.20*	
		For >500 To 1,000, Deduct	*-0.63*	
		For >1,000 To 2,000, Deduct	*-1.26*	
		For >2,000, Deduct	*-2.53*	
33 01 30 72-0027	LF	8" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	27.01	
		For DR 26 Pipe Liner, Add	*4.47*	
		For DR 35 Pipe Liner, Deduct	*-2.24*	
		For >500 To 1,000, Deduct	*-0.68*	
		For >1,000 To 2,000, Deduct	*-1.37*	
		For >2,000, Deduct	*-2.74*	
33 01 30 72-0028	LF	10" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	36.79	
		For DR 26 Pipe Liner, Add	*6.71*	
		For DR 35 Pipe Liner, Deduct	*-3.35*	
		For DR 41 Pipe Liner, Deduct	*-6.71*	
		For >500 To 1,000, Deduct	*-0.75*	
		For >1,000 To 2,000, Deduct	*-1.49*	
		For >2,000, Deduct	*-2.99*	
33 01 30 72-0029	LF	12" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	50.22	
		For DR 26 Pipe Liner, Add	*9.82*	
		For DR 35 Pipe Liner, Deduct	*-4.91*	
		For DR 41 Pipe Liner, Deduct	*-9.82*	
		For >500 To 1,000, Deduct	*-0.82*	
		For >1,000 To 2,000, Deduct	*-1.64*	
		For >2,000, Deduct	*-3.29*	
33 01 30 72-0030	LF	15" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	67.73	
		For DR 35 Pipe Liner, Deduct	*-6.91*	
		For DR 41 Pipe Liner, Deduct	*-13.82*	
		For >500 To 1,000, Deduct	*-0.93*	
		For >1,000 To 2,000, Deduct	*-1.87*	
		For >2,000, Deduct	*-3.74*	
33 01 30 72-0031	LF	18" Diameter Form and Fold Polyethylene Pipeliner, DR 35	94.19	
		For DR 41 Pipe Liner, Deduct	*-8.02*	
		For DR 50 Pipe Liner, Deduct	*-16.03*	
		For >500 To 1,000, Deduct	*-1.05*	
		For >1,000 To 2,000, Deduct	*-2.11*	
		For >2,000, Deduct	*-4.21*	
33 01 30 72-0032	LF	21" Diameter Form and Fold Polyethylene Pipeliner, DR 47	106.25	
		For DR 50 Pipe Liner, Deduct	*-13.66*	
		For DR 55 Pipe Liner, Deduct	*-22.76*	
		For >500 To 1,000, Deduct	*-1.14*	
		For >1,000 To 2,000, Deduct	*-2.28*	
		For >2,000, Deduct	*-4.56*	
33 01 30 72-0033	LF	24" Diameter Form and Fold Polyethylene Pipeliner, DR 55	128.78	
		For DR 60 Pipe Liner, Deduct	*-16.83*	
		For >500 To 1,000, Deduct	*-1.25*	
		For >1,000 To 2,000, Deduct	*-2.49*	
		For >2,000, Deduct	*-4.98*	

33 01 30 72-0034 Form And Fold Polyvinyl Chloride (PVC) Pipeliner *(33 01 30 72-0001)*

33 01 30 72-0035	LF	4" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	21.96	
		For >500 To 1,000, Deduct	*-0.59*	
		For >1,000 To 2,000, Deduct	*-1.17*	
		For >2,000, Deduct	*-2.35*	
		For DR 26 Pipe Liner, Add	*3.54*	
33 01 30 72-0036	LF	6" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	25.99	
		For >500 To 1,000, Deduct	*-0.63*	
		For >1,000 To 2,000, Deduct	*-1.26*	
		For >2,000, Deduct	*-2.53*	
		For DR 26 Pipe Liner, Add	*4.39*	
		For DR 35 Pipe Liner, Deduct	*-2.20*	
33 01 30 72-0037	LF	8" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	28.64	
		For >500 To 1,000, Deduct	*-0.68*	
		For >1,000 To 2,000, Deduct	*-1.37*	
		For >2,000, Deduct	*-2.74*	
		For DR 26 Pipe Liner, Add	*4.88*	
		For DR 35 Pipe Liner, Deduct	*-2.44*	
33 01 30 72-0038	LF	10" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	39.22	
		For >500 To 1,000, Deduct	*-0.75*	
		For >1,000 To 2,000, Deduct	*-1.49*	
		For >2,000, Deduct	*-2.99*	
		For DR 26 Pipe Liner, Add	*7.32*	
		For DR 35 Pipe Liner, Deduct	*-3.66*	
		For DR 41 Pipe Liner, Deduct	*-7.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0039	LF	12" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	53.88	
		For >500 To 1,000, Deduct	*-0.82*	
		For >1,000 To 2,000, Deduct	*-1.64*	
		For >2,000, Deduct	*-3.29*	
		For DR 26 Pipe Liner, Add	*10.73*	
		For DR 35 Pipe Liner, Deduct	*-5.37*	
		For DR 41 Pipe Liner, Deduct	*-10.73*	
33 01 30 72-0040	LF	15" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	72.93	
		For >500 To 1,000, Deduct	*-0.93*	
		For >1,000 To 2,000, Deduct	*-1.87*	
		For >2,000, Deduct	*-3.74*	
		For DR 35 Pipe Liner, Deduct	*-7.56*	
		For DR 41 Pipe Liner, Deduct	*-15.12*	
33 01 30 72-0041	LF	18" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 35	101.83	
		For >500 To 1,000, Deduct	*-1.05*	
		For >1,000 To 2,000, Deduct	*-2.11*	
		For >2,000, Deduct	*-4.21*	
		For DR 41 Pipe Liner, Deduct	*-8.78*	
		For DR 50 Pipe Liner, Deduct	*-17.56*	
33 01 30 72-0042	LF	21" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 47	114.71	
		For >500 To 1,000, Deduct	*-1.14*	
		For >1,000 To 2,000, Deduct	*-2.28*	
		For >2,000, Deduct	*-4.56*	
		For DR 50 Pipe Liner, Deduct	*-14.93*	
		For DR 55 Pipe Liner, Deduct	*-24.88*	
33 01 30 72-0043	LF	24" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 55	139.51	
		For >500 To 1,000, Deduct	*-1.25*	
		For >1,000 To 2,000, Deduct	*-2.49*	
		For >2,000, Deduct	*-4.98*	
		For DR 60 Pipe Liner, Deduct	*-18.44*	

33 01 30 72-0044 Lining Pipe With Rib Loc *(33 01 30 72-0001)*

33 01 30 72-0045	LF	Lining 6" Pipe With Rib Loc	26.67	
		For >500 To 1,000, Deduct	*-0.70*	
		For >1,000 To 2,000, Deduct	*-1.36*	
		For >2,000 To 5,000, Deduct	*-2.11*	
		For >5,000, Deduct	*-3.09*	
33 01 30 72-0046	LF	Lining 8" Pipe With Rib Loc	29.61	
		For >500 To 1,000, Deduct	*-0.77*	
		For >1,000 To 2,000, Deduct	*-1.50*	
		For >2,000 To 5,000, Deduct	*-2.32*	
		For >5,000, Deduct	*-3.42*	
33 01 30 72-0047	LF	Lining 10" Pipe With Rib Loc	40.56	
		For >500 To 1,000, Deduct	*-1.01*	
		For >1,000 To 2,000, Deduct	*-1.97*	
		For >2,000 To 5,000, Deduct	*-3.03*	
		For >5,000, Deduct	*-4.55*	
33 01 30 72-0048	LF	Lining 12" Pipe With Rib Loc	51.35	
		For >500 To 1,000, Deduct	*-1.25*	
		For >1,000 To 2,000, Deduct	*-2.44*	
		For >2,000 To 5,000, Deduct	*-3.74*	
		For >5,000, Deduct	*-5.68*	
33 01 30 72-0049	LF	Lining 15" Pipe With Rib Loc	67.99	
		For >500 To 1,000, Deduct	*-1.61*	
		For >1,000 To 2,000, Deduct	*-3.16*	
		For >2,000 To 5,000, Deduct	*-4.83*	
		For >5,000, Deduct	*-7.42*	
33 01 30 72-0050	LF	Lining 18" Pipe With Rib Loc	87.36	
		For >500 To 1,000, Deduct	*-2.03*	
		For >1,000 To 2,000, Deduct	*-3.99*	
		For >2,000 To 5,000, Deduct	*-6.08*	
		For >5,000, Deduct	*-9.44*	
33 01 30 72-0051	LF	Lining 21" Pipe With Rib Loc	109.30	
		For >500 To 1,000, Deduct	*-2.49*	
		For >1,000 To 2,000, Deduct	*-4.90*	
		For >2,000 To 5,000, Deduct	*-7.47*	
		For >5,000, Deduct	*-11.69*	
33 01 30 72-0052	LF	Lining 24" Pipe With Rib Loc	134.88	
		For >500 To 1,000, Deduct	*-3.03*	
		For >1,000 To 2,000, Deduct	*-5.98*	
		For >2,000 To 5,000, Deduct	*-9.09*	
		For >5,000, Deduct	*-14.32*	
33 01 30 72-0053	LF	Lining 27" Pipe With Rib Loc	161.31	
		For >500 To 1,000, Deduct	*-3.59*	
		For >1,000 To 2,000, Deduct	*-7.09*	
		For >2,000 To 5,000, Deduct	*-10.77*	
		For >5,000, Deduct	*-17.04*	
33 01 30 72-0054	LF	Lining 30" Pipe With Rib Loc	191.15	
		For >500 To 1,000, Deduct	*-4.23*	
		For >1,000 To 2,000, Deduct	*-8.36*	
		For >2,000 To 5,000, Deduct	*-12.69*	
		For >5,000, Deduct	*-20.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0055	LF	Lining 36" Pipe With Rib Loc	243.23	
		For >500 To 1,000, Deduct	*-5.32*	
		For >1,000 To 2,000, Deduct	*-10.53*	
		For >2,000 To 5,000, Deduct	*-15.96*	
		For >5,000, Deduct	*-25.46*	
33 01 30 72-0056	LF	Lining 42" Pipe With Rib Loc	302.52	
		For >500 To 1,000, Deduct	*-6.57*	
		For >1,000 To 2,000, Deduct	*-13.01*	
		For >2,000 To 5,000, Deduct	*-19.72*	
		For >5,000, Deduct	*-31.56*	
33 01 30 72-0057	LF	Lining 48" Pipe With Rib Loc	370.06	
		For >500 To 1,000, Deduct	*-8.01*	
		For >1,000 To 2,000, Deduct	*-15.87*	
		For >2,000 To 5,000, Deduct	*-24.03*	
		For >5,000, Deduct	*-38.53*	
33 01 30 72-0058	LF	Lining 54" Pipe With Rib Loc	437.68	
		For >500 To 1,000, Deduct	*-9.48*	
		For >1,000 To 2,000, Deduct	*-18.79*	
		For >2,000 To 5,000, Deduct	*-28.45*	
		For >5,000, Deduct	*-45.59*	
33 01 30 72-0059	LF	Lining 60" Pipe With Rib Loc	517.84	
		For >500 To 1,000, Deduct	*-11.35*	
		For >1,000 To 2,000, Deduct	*-22.46*	
		For >2,000 To 5,000, Deduct	*-34.06*	
		For >5,000, Deduct	*-54.27*	
33 01 30 72-0060	LF	Lining 66" Pipe With Rib Loc	618.84	
		For >500 To 1,000, Deduct	*-13.94*	
		For >1,000 To 2,000, Deduct	*-27.49*	
		For >2,000 To 5,000, Deduct	*-41.83*	
		For >5,000, Deduct	*-65.80*	
33 01 30 72-0061	LF	Lining 72" Pipe With Rib Loc	756.15	
		For >500 To 1,000, Deduct	*-17.86*	
		For >1,000 To 2,000, Deduct	*-35.04*	
		For >2,000 To 5,000, Deduct	*-53.59*	
		For >5,000, Deduct	*-82.46*	

33 01 30 72-0062 Laterals; Cutting, Grouting And Reinstatement *(33 01 30 72-0001)*

33 01 30 72-0063 Trim Protruding Service Taps *(33 01 30 72-0062)*

33 01 30 72-0064	EA	Trim Protruding Service Tap, 4", Robotic	478.99	
33 01 30 72-0065	EA	Trim Protruding Service Tap, 6", Robotic	526.89	
33 01 30 72-0066	EA	Trim Protruding Service Tap, 8", Robotic	574.78	

33 01 30 72-0067 Lateral Reinstatement/Reconnection *(33 01 30 72-0062)*

33 01 30 72-0068	EA	Cut Liner For Laterals, 4" (Robotic)	354.45	
33 01 30 72-0069	EA	Cut Liner For Laterals, 6" (Robotic)	383.19	
33 01 30 72-0070	EA	Cut Liner For Laterals, 8" (Robotic)	431.09	

33 01 30 72-0071 Grout Lateral Service *(33 01 30 72-0062)*

33 01 30 72-0072 Grout Lateral Service - Bladder *(33 01 30 72-0071)*

33 01 30 72-0073	EA	Grout 4" Lateral Service - Bladder	375.25	
33 01 30 72-0074	EA	Grout 6" Lateral Service - Bladder	428.90	
33 01 30 72-0075	EA	Grout 8" Lateral Service - Bladder	482.56	

33 01 30 72-0076 Grout Lateral Service - Robotic Trowel Application *(33 01 30 72-0071)*

33 01 30 72-0077	EA	Grout 4" To 8" Lateral Service - Robotic Trowel Application	379.59	

33 01 30 72-0078 Lateral T-Liner *(33 01 30 72-0062)*

Note: As manufactured by LMK.

33 01 30 72-0079	EA	4" Lateral T-Liner	479.51	
33 01 30 72-0080	EA	6" Lateral T-Liner	533.61	
33 01 30 72-0081	EA	8" Lateral T-Liner	616.99	

33 01 30 72-0082 Lining Lateral Pipe *(33 01 30 72-0062)*

33 01 30 72-0083 Lining Lateral Pipe *(33 01 30 72-0082)*

33 01 30 72-0084	LF	6mm Lining 4" To 6" Lateral Pipe	31.62	
		For 7.5mm, Add	*3.99*	
		For 9 mm, Add	*8.07*	

33 01 30 72-0085 Relining Underground Water Pipelines *(33 01 30 72)*

Note: Excludes costs for CCTV inspection, pipe cleaning, pavement; temporary and permanent, emergency after hours response for homeowners backups.

33 01 30 72-0086 Relining Underground Water Pipelines Set-Up And Reinsertion *(33 01 30 72-0085)*

33 01 30 72-0087	EA	Initial Set Up And Final Equipment Removal For Relining Underground Water Pipelines	3,651.90	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0088	EA	Move And Reset Up At Different Access/Location	1,460.76	
33 01 30 72-0089		**Lining Pipe With Cement** *(33 01 30 72-0085)*		
33 01 30 72-0090	LF	Up To 500', 4" Pipe, 1/8" Pipe Lining With Cement	44.17	
		For 3/16" Thickness, Add	*0.44*	
		For 1/4" Thickness, Add	*0.88*	
33 01 30 72-0091	LF	>500' To 1,000', 4" Pipe, 1/8" Pipe Lining With Cement	39.29	
		For 3/16" Thickness, Add	*0.44*	
		For 1/4" Thickness, Add	*0.88*	
33 01 30 72-0092	LF	>1,000' To 5,000', 4" Pipe, 1/8" Pipe Lining With Cement	32.74	
		For 3/16" Thickness, Add	*0.44*	
		For 1/4" Thickness, Add	*0.88*	
33 01 30 72-0093	LF	>5,000', 4" Pipe, 1/8" Pipe Lining With Cement	24.51	
		For 3/16" Thickness, Add	*0.44*	
		For 1/4" Thickness, Add	*0.88*	
33 01 30 72-0094	LF	Up To 500', 6" Pipe, 1/8" Pipe Lining With Cement	45.74	
		For 3/16" Thickness, Add	*0.66*	
		For 1/4" Thickness, Add	*1.32*	
33 01 30 72-0095	LF	>500' To 1,000', 6" Pipe, 1/8" Pipe Lining With Cement	40.67	
		For 3/16" Thickness, Add	*0.66*	
		For 1/4" Thickness, Add	*1.32*	
33 01 30 72-0096	LF	>1,000' To 5,000', 6" Pipe, 1/8" Pipe Lining With Cement	33.89	
		For 3/16" Thickness, Add	*0.66*	
		For 1/4" Thickness, Add	*1.32*	
33 01 30 72-0097	LF	>5,000', 6" Pipe, 1/8" Pipe Lining With Cement	25.55	
		For 3/16" Thickness, Add	*0.66*	
		For 1/4" Thickness, Add	*1.32*	
33 01 30 72-0098	LF	Up To 500', 8" Pipe, 1/8" Pipe Lining With Cement	47.22	
		For 3/16" Thickness, Add	*0.88*	
		For 1/4" Thickness, Add	*1.75*	
33 01 30 72-0099	LF	>500' To 1,000', 8" Pipe, 1/8" Pipe Lining With Cement	42.03	
		For 3/16" Thickness, Add	*0.88*	
		For 1/4" Thickness, Add	*1.75*	
33 01 30 72-0100	LF	>1,000' To 5,000', 8" Pipe, 1/8" Pipe Lining With Cement	35.03	
		For 3/16" Thickness, Add	*0.88*	
		For 1/4" Thickness, Add	*1.75*	
33 01 30 72-0101	LF	>5,000', 8" Pipe, 1/8" Pipe Lining With Cement	26.58	
		For 3/16" Thickness, Add	*0.88*	
		For 1/4" Thickness, Add	*1.75*	
33 01 30 72-0102	LF	Up To 500', 10" Pipe, 1/8" Pipe Lining With Cement	48.30	
		For 3/16" Thickness, Add	*1.10*	
		For 1/4" Thickness, Add	*2.20*	
33 01 30 72-0103	LF	>500' To 1,000', 10" Pipe, 1/8" Pipe Lining With Cement	43.03	
		For 3/16" Thickness, Add	*1.10*	
		For 1/4" Thickness, Add	*2.20*	
33 01 30 72-0104	LF	>1,000' To 5,000', 10" Pipe, 1/8" Pipe Lining With Cement	35.93	
		For 3/16" Thickness, Add	*1.10*	
		For 1/4" Thickness, Add	*2.20*	
33 01 30 72-0105	LF	>5,000', 10" Pipe, 1/8" Pipe Lining With Cement	27.62	
		For 3/16" Thickness, Add	*1.10*	
		For 1/4" Thickness, Add	*2.20*	
33 01 30 72-0106	LF	Up To 500', 12" Pipe, 1/8" Pipe Lining With Cement	52.06	
		For 3/16" Thickness, Add	*1.32*	
		For 1/4" Thickness, Add	*2.63*	
33 01 30 72-0107	LF	>500' To 1,000', 12" Pipe, 1/8" Pipe Lining With Cement	46.46	
		For 3/16" Thickness, Add	*1.32*	
		For 1/4" Thickness, Add	*2.63*	
33 01 30 72-0108	LF	>1,000' To 5,000', 12" Pipe, 1/8" Pipe Lining With Cement	38.90	
		For 3/16" Thickness, Add	*1.32*	
		For 1/4" Thickness, Add	*2.63*	
33 01 30 72-0109	LF	>5,000', 12" Pipe, 1/8" Pipe Lining With Cement	29.92	
		For 3/16" Thickness, Add	*1.32*	
		For 1/4" Thickness, Add	*2.63*	
33 01 30 72-0110	LF	Up To 500', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	55.32	
		For 1/4" Thickness, Add	*1.46*	
		For 5/16" Thickness, Add	*2.93*	
33 01 30 72-0111	LF	>500' To 1,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	49.50	
		For 1/4" Thickness, Add	*1.46*	
		For 5/16" Thickness, Add	*2.93*	
33 01 30 72-0112	LF	>1,000' To 5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	41.63	
		For 1/4" Thickness, Add	*1.46*	
		For 5/16" Thickness, Add	*2.93*	
33 01 30 72-0113	LF	>5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	33.03	
		For 1/4" Thickness, Add	*1.46*	
		For 5/16" Thickness, Add	*2.93*	
33 01 30 72-0114	LF	Up To 500', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	57.69	
		For 1/4" Thickness, Add	*1.76*	
		For 5/16" Thickness, Add	*3.51*	
33 01 30 72-0115	LF	>500' To 1,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	51.70	
		For 1/4" Thickness, Add	*1.76*	
		For 5/16" Thickness, Add	*3.51*	
33 01 30 72-0116	LF	>1,000' To 5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	43.56	
		For 1/4" Thickness, Add	*1.76*	
		For 5/16" Thickness, Add	*3.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0117	LF	>5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	35.40	
		For 1/4" Thickness, Add	*1.76*	
		For 5/16" Thickness, Add	*3.51*	
33 01 30 72-0118	LF	Up To 500', >20" To 22" Pipe, 3/16" Pipe Lining With Cement	60.74	
		For 1/4" Thickness, Add	*2.05*	
		For 5/16" Thickness, Add	*4.10*	
33 01 30 72-0119	LF	>500' To 1,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement	54.54	
		For 1/4" Thickness, Add	*2.05*	
		For 5/16" Thickness, Add	*4.10*	
33 01 30 72-0120	LF	>1,000' To 5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement	46.01	
		For 1/4" Thickness, Add	*2.05*	
		For 5/16" Thickness, Add	*4.10*	
33 01 30 72-0121	LF	>5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement	38.38	
		For 1/4" Thickness, Add	*2.05*	
		For 5/16" Thickness, Add	*4.10*	
33 01 30 72-0122	LF	Up To 500', 24" Pipe, 3/16" Pipe Lining With Cement	63.86	
		For 1/4" Thickness, Add	*2.34*	
		For 5/16" Thickness, Add	*4.69*	
33 01 30 72-0123	LF	>500' To 1,000', 24" Pipe, 3/16" Pipe Lining With Cement	57.41	
		For 1/4" Thickness, Add	*2.34*	
		For 5/16" Thickness, Add	*4.69*	
33 01 30 72-0124	LF	>1,000' To 5,000', 24" Pipe, 3/16" Pipe Lining With Cement	48.61	
		For 1/4" Thickness, Add	*2.34*	
		For 5/16" Thickness, Add	*4.69*	
33 01 30 72-0125	LF	>5,000', 24" Pipe, 3/16" Pipe Lining With Cement	41.51	
		For 1/4" Thickness, Add	*2.34*	
		For 5/16" Thickness, Add	*4.69*	
33 01 30 72-0126	LF	Up To 500', 30" Pipe, 3/16" Pipe Lining With Cement	67.78	
		For 1/4" Thickness, Add	*2.93*	
		For 5/16" Thickness, Add	*5.85*	
33 01 30 72-0127	LF	>500' To 1,000', 30" Pipe, 3/16" Pipe Lining With Cement	60.95	
		For 1/4" Thickness, Add	*2.93*	
		For 5/16" Thickness, Add	*5.85*	
33 01 30 72-0128	LF	>1,000' To 5,000', 30" Pipe, 3/16" Pipe Lining With Cement	51.63	
		For 1/4" Thickness, Add	*2.93*	
		For 5/16" Thickness, Add	*5.85*	
33 01 30 72-0129	LF	>5,000', 30" Pipe, 3/16" Pipe Lining With Cement	44.45	
		For 1/4" Thickness, Add	*2.93*	
		For 5/16" Thickness, Add	*5.85*	
33 01 30 72-0130	LF	Up To 500', 36" Pipe, 3/16" Pipe Lining With Cement	71.63	
		For 1/4" Thickness, Add	*3.51*	
		For 5/16" Thickness, Add	*7.03*	
33 01 30 72-0131	LF	500' To 1,000', 36" Pipe, 3/16" Pipe Lining With Cement	64.51	
		For 1/4" Thickness, Add	*3.51*	
		For 5/16" Thickness, Add	*7.03*	
33 01 30 72-0132	LF	>1,000' To 5,000', 36" Pipe, 3/16" Pipe Lining With Cement	54.66	
		For 1/4" Thickness, Add	*3.51*	
		For 5/16" Thickness, Add	*7.03*	
33 01 30 72-0133	LF	>5,000', 36" Pipe, 3/16" Pipe Lining With Cement	47.41	
		For 1/4" Thickness, Add	*3.51*	
		For 5/16" Thickness, Add	*7.03*	
33 01 30 72-0134	LF	Up To 500', 42" Pipe, 1/4" Pipe Lining With Cement	85.22	
		For 3/8" Thickness, Add	*9.22*	
		For 7/16" Thickness, Add	*13.83*	
33 01 30 72-0135	LF	>500' To 1,000', 42" Pipe, 1/4" Pipe Lining With Cement	77.45	
		For 3/8" Thickness, Add	*9.22*	
		For 7/16" Thickness, Add	*13.83*	
33 01 30 72-0136	LF	>1,000' To 5,000', 42" Pipe, 1/4" Pipe Lining With Cement	66.75	
		For 3/8" Thickness, Add	*9.22*	
		For 7/16" Thickness, Add	*13.83*	
33 01 30 72-0137	LF	>5,000', 42" Pipe, 1/4" Pipe Lining With Cement	59.27	
		For 3/8" Thickness, Add	*9.22*	
		For 7/16" Thickness, Add	*13.83*	
33 01 30 72-0138	LF	Up To 500', 48" Pipe, 1/4" Pipe Lining With Cement	93.45	
		For 3/8" Thickness, Add	*10.54*	
		For 7/16" Thickness, Add	*15.80*	
33 01 30 72-0139	LF	>500' To 1,000', 48" Pipe, 1/4" Pipe Lining With Cement	85.15	
		For 3/8" Thickness, Add	*10.54*	
		For 7/16" Thickness, Add	*15.80*	
33 01 30 72-0140	LF	>1,000' To 5,000', 48" Pipe, 1/4" Pipe Lining With Cement	73.64	
		For 3/8" Thickness, Add	*10.54*	
		For 7/16" Thickness, Add	*15.80*	
33 01 30 72-0141	LF	>5,000', 48" Pipe, 1/4" Pipe Lining With Cement	66.02	
		For 3/8" Thickness, Add	*10.54*	
		For 7/16" Thickness, Add	*15.80*	
33 01 30 72-0142	LF	Up To 500', 54" Pipe, 1/4" Pipe Lining With Cement	97.44	
		For 3/8" Thickness, Add	*11.86*	
		For 7/16" Thickness, Add	*17.78*	
33 01 30 72-0143	LF	>500' To 1,000', 54" Pipe, 1/4" Pipe Lining With Cement	88.96	
		For 3/8" Thickness, Add	*11.86*	
		For 7/16" Thickness, Add	*17.78*	
33 01 30 72-0144	LF	>1,000' To 5,000', 54" Pipe, 1/4" Pipe Lining With Cement	77.18	
		For 3/8" Thickness, Add	*11.86*	
		For 7/16" Thickness, Add	*17.78*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0145		LF	>5,000', 54" Pipe, 1/4" Pipe Lining With Cement	69.85	
			For 3/8" Thickness, Add	*11.86*	
			For 7/16" Thickness, Add	*17.78*	
33 01 30 72-0146		LF	Up To 500', 60" Pipe, 1/4" Pipe Lining With Cement	101.43	
			For 3/8" Thickness, Add	*13.18*	
			For 7/16" Thickness, Add	*19.76*	
33 01 30 72-0147		LF	>500' To 1,000', 60" Pipe, 1/4" Pipe Lining With Cement	92.79	
			For 3/8" Thickness, Add	*13.18*	
			For 7/16" Thickness, Add	*19.76*	
33 01 30 72-0148		LF	>1,000' To 5,000', 60" Pipe, 1/4" Pipe Lining With Cement	80.79	
			For 3/8" Thickness, Add	*13.18*	
			For 7/16" Thickness, Add	*19.76*	
33 01 30 72-0149		LF	>5,000', 60" Pipe, 1/4" Pipe Lining With Cement	73.69	
			For 3/8" Thickness, Add	*13.18*	
			For 7/16" Thickness, Add	*19.76*	
33 01 30 72-0150		LF	Up To 500', 66" Pipe, 1/4" Pipe Lining With Cement	105.63	
			For 3/8" Thickness, Add	*14.49*	
			For 7/16" Thickness, Add	*21.74*	
33 01 30 72-0151		LF	>500' To 1,000', 66" Pipe, 1/4" Pipe Lining With Cement	96.81	
			For 3/8" Thickness, Add	*14.49*	
			For 7/16" Thickness, Add	*21.74*	
33 01 30 72-0152		LF	>1,000' To 5,000', 66" Pipe, 1/4" Pipe Lining With Cement	84.62	
			For 3/8" Thickness, Add	*14.49*	
			For 7/16" Thickness, Add	*21.74*	
33 01 30 72-0153		LF	>5,000', 66" Pipe, 1/4" Pipe Lining With Cement	78.04	
			For 3/8" Thickness, Add	*14.49*	
			For 7/16" Thickness, Add	*21.74*	
33 01 30 72-0154		LF	Up To 500', 72" Pipe, 1/4" Pipe Lining With Cement	110.13	
			For 3/8" Thickness, Add	*15.81*	
			For 7/16" Thickness, Add	*23.71*	
33 01 30 72-0155		LF	>500' To 1,000', 72" Pipe, 1/4" Pipe Lining With Cement	101.15	
			For 3/8" Thickness, Add	*15.81*	
			For 7/16" Thickness, Add	*23.71*	
33 01 30 72-0156		LF	>1,000' To 5,000', 72" Pipe, 1/4" Pipe Lining With Cement	88.67	
			For 3/8" Thickness, Add	*15.81*	
			For 7/16" Thickness, Add	*23.71*	
33 01 30 72-0157		LF	>5,000', 72" Pipe, 1/4" Pipe Lining With Cement	82.46	
			For 3/8" Thickness, Add	*15.81*	
			For 7/16" Thickness, Add	*23.71*	

33 01 30 73 Rehabilitation Of Manholes And Sewer Structures *(33 01 30)*

33 01 30 73-0001 Restoration And Rehabilitation Of Manholes *(33 01 30 73)*

Note: Work is in confined spaces.

33 01 30 73-0002 Inspection And Ventilation System Set-up *(33 01 30 73-0001)*

33 01 30 73-0003	EA	Inspect Manhole	132.44
33 01 30 73-0004	EA	36" to 60" Diameter, Up To 2600', Installation And Maintenance Of Ventilation System Note: For internal inspection and repair of water mains.	8,145.11
33 01 30 73-0005	EA	>60" to 108" Diameter, Up To 2600', Installation And Maintenance Of Ventilation System Note: For internal inspection and repair of water mains	11,472.19

33 01 30 73-0006 Manhole Seals *(33 01 30 73-0001)*

33 01 30 73-0007 Internal Manhole Chimney Seals *(33 01 30 73-0006)*

Note: Cretex.

33 01 30 73-0008	EA	20" Internal Manhole Chimney Seal	358.06
33 01 30 73-0009	EA	22" Internal Manhole Chimney Seal	377.41
33 01 30 73-0010	EA	24" Internal Manhole Chimney Seal	387.09
33 01 30 73-0011	EA	26" Internal Manhole Chimney Seal	445.15
33 01 30 73-0012	EA	28" Internal Manhole Chimney Seal	503.22
33 01 30 73-0013	EA	30" Internal Manhole Chimney Seal	561.28
33 01 30 73-0014	EA	36" Internal Manhole Chimney Seal	677.41

33 01 30 73-0015 External Manhole Encapsulation *(33 01 30 73-0006)*

Note: Wrapidseal.

33 01 30 73-0016	EA	24" External Manhole Encapsulation	522.57
33 01 30 73-0017	EA	30" External Manhole Encapsulation	551.61
33 01 30 73-0018	EA	36" External Manhole Encapsulation	590.32
33 01 30 73-0019	EA	42" External Manhole Encapsulation	638.70
33 01 30 73-0020	EA	48" External Manhole Encapsulation	706.44
33 01 30 73-0021	EA	54" External Manhole Encapsulation	783.86
33 01 30 73-0022	EA	60" External Manhole Encapsulation	880.63

33 01 30 73-0023 Manhole Restoration *(33 01 30 73-0001)*

Note: Includes power washing and cleaning of manhole interiors.

33 01 30 73-0024 Cementitious Manhole Restoration, Interior *(33 01 30 73-0023)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 73-0025	VLF	1/2" Cementitious Restoration On 3' Diameter Manhole Interior	103.90	
		For Each Additional 1/2" Thick Material, Add	*25.49*	
		For 2 To 5 Manholes, Deduct	*-7.32*	
		For 6 To 10 Manholes, Deduct	*-12.04*	
		For >10 Manholes, Deduct	*-24.09*	
33 01 30 73-0026	VLF	1/2" Cementitious Restoration On 3-1/2' Diameter Manhole Interior	120.47	
		For Each Additional 1/2" Thick Material, Add	*29.66*	
		For 2 To 5 Manholes, Deduct	*-8.49*	
		For 6 To 10 Manholes, Deduct	*-13.96*	
		For >10 Manholes, Deduct	*-27.92*	
33 01 30 73-0027	VLF	1/2" Cementitious Restoration On 4' Diameter Manhole Interior	137.04	
		For Each Additional 1/2" Thick Material, Add	*33.83*	
		For 2 To 5 Manholes, Deduct	*-9.65*	
		For 6 To 10 Manholes, Deduct	*-15.87*	
		For >10 Manholes, Deduct	*-31.74*	
33 01 30 73-0028	VLF	1/2" Cementitious Restoration On 5' Diameter Manhole Interior	161.39	
		For Each Additional 1/2" Thick Material, Add	*41.42*	
		For 2 To 5 Manholes, Deduct	*-11.31*	
		For 6 To 10 Manholes, Deduct	*-18.59*	
		For >10 Manholes, Deduct	*-37.19*	
33 01 30 73-0029	VLF	1/2" Cementitious Restoration On 6' Diameter Manhole Interior	176.47	
		For Each Additional 1/2" Thick Material, Add	*47.83*	
		For 2 To 5 Manholes, Deduct	*-12.29*	
		For 6 To 10 Manholes, Deduct	*-20.17*	
		For >10 Manholes, Deduct	*-40.34*	

33 01 30 73-0030 Polyurethane Manhole Restoration, Interior *(33 01 30 73-0023)*

33 01 30 73-0031	VLF	60 Mil Polyurethane Restoration Of 3' Diameter Manhole Interior	253.31	
		For 80 Mil Material, Add	*32.41*	
		For 100 Mil Material, Add	*64.82*	
		For 125 Mil Material, Add	*101.56*	
		For 150 Mil Material, Add	*138.30*	
		For 200 Mil Material, Add	*201.70*	
		For 2 To 5 Manholes, Deduct	*-17.70*	
		For 6 To 10 Manholes, Deduct	*-29.07*	
		For >10 Manholes, Deduct	*-58.14*	
33 01 30 73-0032	VLF	60 Mil Polyurethane Restoration Of 3-1/2' Diameter Manhole Interior	306.77	
		For 80 Mil Material, Add	*38.67*	
		For 100 Mil Material, Add	*77.34*	
		For 125 Mil Material, Add	*121.06*	
		For 150 Mil Material, Add	*164.79*	
		For 200 Mil Material, Add	*239.93*	
		For 2 To 5 Manholes, Deduct	*-21.49*	
		For 6 To 10 Manholes, Deduct	*-35.31*	
		For >10 Manholes, Deduct	*-70.63*	
33 01 30 73-0033	VLF	60 Mil Polyurethane Restoration Of 4' Diameter Manhole Interior	337.76	
		For 80 Mil Material, Add	*43.22*	
		For 100 Mil Material, Add	*86.43*	
		For 125 Mil Material, Add	*135.42*	
		For 150 Mil Material, Add	*184.40*	
		For 200 Mil Material, Add	*268.95*	
		For 2 To 5 Manholes, Deduct	*-23.60*	
		For 6 To 10 Manholes, Deduct	*-38.76*	
		For >10 Manholes, Deduct	*-77.52*	
33 01 30 73-0034	VLF	60 Mil Polyurethane Restoration Of 5' Diameter Manhole Interior	422.24	
		For 80 Mil Material, Add	*54.04*	
		For 100 Mil Material, Add	*108.07*	
		For 125 Mil Material, Add	*169.33*	
		For 150 Mil Material, Add	*230.58*	
		For 200 Mil Material, Add	*336.30*	
		For 2 To 5 Manholes, Deduct	*-29.50*	
		For 6 To 10 Manholes, Deduct	*-48.45*	
		For >10 Manholes, Deduct	*-96.90*	
33 01 30 73-0035	VLF	60 Mil Polyurethane Restoration Of 6' Diameter Manhole Interior	506.69	
		For 80 Mil Material, Add	*64.84*	
		For 100 Mil Material, Add	*129.68*	
		For 125 Mil Material, Add	*203.19*	
		For 150 Mil Material, Add	*276.69*	
		For 200 Mil Material, Add	*403.55*	
		For 2 To 5 Manholes, Deduct	*-35.40*	
		For 6 To 10 Manholes, Deduct	*-58.14*	
		For >10 Manholes, Deduct	*-116.28*	

33 01 30 73-0036 Epoxy Manhole Restoration, Interior *(33 01 30 73-0023)*

33 01 30 73-0037	VLF	60 Mil Epoxy Restoration Of 3' Diameter Manhole Interior	231.99	
		For 80 Mil Material, Add	*25.30*	
		For 100 Mil Material, Add	*50.61*	
		For 125 Mil Material, Add	*78.46*	
		For 150 Mil Material, Add	*106.32*	
		For 200 Mil Material, Add	*151.96*	
		For 2 To 5 Manholes, Deduct	*-16.63*	
		For 6 To 10 Manholes, Deduct	*-27.47*	
		For >10 Manholes, Deduct	*-54.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 73-0038	VLF	60 Mil Epoxy Restoration Of 3-1/2' Diameter Manhole Interior	281.87	
		For 80 Mil Material, Add	*30.37*	
		For 100 Mil Material, Add	*60.74*	
		For 125 Mil Material, Add	*94.09*	
		For 150 Mil Material, Add	*127.44*	
		For 200 Mil Material, Add	*181.83*	
		For 2 To 5 Manholes, Deduct	*-20.25*	
		For 6 To 10 Manholes, Deduct	*-33.45*	
		For >10 Manholes, Deduct	*-66.89*	
33 01 30 73-0039	VLF	60 Mil Epoxy Restoration Of 4' Diameter Manhole Interior	309.33	
		For 80 Mil Material, Add	*33.74*	
		For 100 Mil Material, Add	*67.48*	
		For 125 Mil Material, Add	*104.62*	
		For 150 Mil Material, Add	*141.76*	
		For 200 Mil Material, Add	*202.61*	
		For 2 To 5 Manholes, Deduct	*-22.18*	
		For 6 To 10 Manholes, Deduct	*-36.63*	
		For >10 Manholes, Deduct	*-73.25*	
33 01 30 73-0040	VLF	60 Mil Epoxy Restoration Of 5' Diameter Manhole Interior	386.68	
		For 80 Mil Material, Add	*42.18*	
		For 100 Mil Material, Add	*84.37*	
		For 125 Mil Material, Add	*130.80*	
		For 150 Mil Material, Add	*177.24*	
		For 200 Mil Material, Add	*253.33*	
		For 2 To 5 Manholes, Deduct	*-27.73*	
		For 6 To 10 Manholes, Deduct	*-45.78*	
		For >10 Manholes, Deduct	*-91.57*	
33 01 30 73-0041	VLF	60 Mil Epoxy Restoration Of 6' Diameter Manhole Interior	464.02	
		For 80 Mil Material, Add	*50.62*	
		For 100 Mil Material, Add	*101.24*	
		For 125 Mil Material, Add	*156.96*	
		For 150 Mil Material, Add	*212.68*	
		For 200 Mil Material, Add	*303.99*	
		For 2 To 5 Manholes, Deduct	*-33.27*	
		For 6 To 10 Manholes, Deduct	*-54.94*	
		For >10 Manholes, Deduct	*-109.88*	

33 01 30 73-0042 Polyvinyl Chloride (PVC) Lining Manhole Restoration, Interior *(33 01 30 73-0023)*

Note: Wound strip liners.

33 01 30 73-0043	VLF	3' Diameter CIP Multiplex Liner For Existing Manhole	315.06	
		For 2 To 5 Manholes, Deduct	*-18.83*	
		For 6 To 10 Manholes, Deduct	*-29.79*	
		For >10 Manholes, Deduct	*-59.58*	
33 01 30 73-0044	VLF	3-1/2' Diameter CIP Multiplex Liner For Existing Manhole	385.76	
		For 2 To 5 Manholes, Deduct	*-23.05*	
		For 6 To 10 Manholes, Deduct	*-36.46*	
		For >10 Manholes, Deduct	*-72.93*	
33 01 30 73-0045	VLF	4' Diameter CIP Multiplex Liner For Existing Manhole	451.25	
		For 2 To 5 Manholes, Deduct	*-26.67*	
		For 6 To 10 Manholes, Deduct	*-42.06*	
		For >10 Manholes, Deduct	*-84.12*	
33 01 30 73-0046	VLF	5' Diameter CIP Multiplex Liner For Existing Manhole	565.74	
		For 2 To 5 Manholes, Deduct	*-33.42*	
		For 6 To 10 Manholes, Deduct	*-52.70*	
		For >10 Manholes, Deduct	*-105.40*	
33 01 30 73-0047	VLF	6' Diameter CIP Multiplex Liner For Existing Manhole	680.22	
		For 2 To 5 Manholes, Deduct	*-40.17*	
		For 6 To 10 Manholes, Deduct	*-63.34*	
		For >10 Manholes, Deduct	*-126.68*	

33 01 30 73-0048 Manhole Crack Repair *(33 01 30 73-0001)*

Note: Includes removing loose materials and cleaning.

33 01 30 73-0049	SF	Up To 1/4" Thick, Cementitious Grout, Manhole Patching	10.47	

33 01 30 73-0050 Manhole Joint Restoration *(33 01 30 73-0001)*

Note: Includes drilling holes at joints, fill joints with grout.

33 01 30 73-0051	EA	3' Diameter Joint Restoration, Grout Fill Per Each Manhole	1,339.28	
		Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
		For Grouting Each Additional Manhole Joint Section, Add	*182.41*	
33 01 30 73-0052	EA	3-1/2' Diameter Joint Restoration, Grout Fill Per Each Manhole	1,563.35	
		Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
		For Grouting Each Additional Manhole Joint Section, Add	*200.31*	
33 01 30 73-0053	EA	4' Diameter Joint Restoration, Grout Fill Per Each Manhole	1,785.71	
		Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
		For Grouting Each Additional Manhole Joint Section, Add	*218.21*	
33 01 30 73-0054	EA	5' Diameter Joint Restoration, Grout Fill Per Each Manhole	2,098.73	
		Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
		For Grouting Each Additional Manhole Joint Section, Add	*227.17*	
33 01 30 73-0055	EA	6' Diameter Joint Restoration, Grout Fill Per Each Manhole	2,410.89	
		Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
		For Grouting Each Additional Manhole Joint Section, Add	*236.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 73-0056		**Invert Restoration** *(33 01 30 73-0001)*		
		Note: Includes removal of existing defective material and installation of new material.		
33 01 30 73-0057	EA	Single Channel Concrete Invert Restoration	326.90	
33 01 30 73-0058	EA	Triple Channel Concrete Invert Restoration	606.04	
33 01 30 73-0059	EA	Single Channel Brick Invert Restoration	493.77	
33 01 30 73-0060	EA	Triple Channel Brick Invert Restoration	815.73	
33 01 30 73-0061		**Step Installation In Existing Manholes** *(33 01 30 73-0001)*		
		Note: Including drilling in existing concrete manhole, step and grout. Demolition cost includes removal of old step and patching holes.		
33 01 30 73-0062	EA	Drill And Grout 8" x 9" Cast Iron Manhole Steps	88.97	17.41
33 01 30 73-0063	EA	Drill And Grout Galvanized Steel Manhole Step	76.23	17.41
33 01 30 73-0064	EA	Bolt On Galvanized Steel Manhole Step	85.63	17.41
33 01 30 73-0065	EA	Drill And Grout Aluminum Manhole Step	73.75	17.41
33 01 30 73-0066	EA	Drill And Insert Polypropylene Manhole Step	47.40	13.93
33 01 30 73-0067		**Manhole Penetration Sealing** *(33 01 30 73-0001)*		
		Note: At new pipe connection to manhole.		
33 01 30 73-0068	EA	6" To 12" Opening, Manhole Penetration Sealing	310.73	
33 01 30 73-0069	EA	>12" To 22" Opening, Manhole Penetration Sealing	477.34	
33 01 30 73-0070	EA	>22" To 36" Opening, Manhole Penetration Sealing	651.45	

33 05 Common Work Results For Utilities *(33)*

33 05 13 Manholes And Structures *(33 05)*

33 05 13 13 Manhole Grade Adjustment *(33 05 13)*

33 05 13 13-0001		**Up To 12" Rise, Manhole Risers** *(33 05 13 13)*		
		Note: Includes valve boxes.		
33 05 13 13-0002		**Up To 26" Diameter, Up To 6" Rise Adjustable Or Solid Manhole Risers** *(33 05 13 13-0001)*		
33 05 13 13-0003	EA	Up To 2" Rise, Up To 26" Diameter, Adjustable Or Solid Manhole Risers	325.51	
		Note: For manholes up to 26" in diameter.		
33 05 13 13-0004	EA	>2" To 3" Rise, Up To 26" Diameter, Adjustable Or Solid Manhole Risers	368.47	
		Note: For manholes up to 26" in diameter.		
33 05 13 13-0005	EA	>3" To 4" Rise, Up To 26" Diameter, Adjustable Or Solid Manhole Risers	407.17	
		Note: For manholes up to 26" in diameter.		
33 05 13 13-0006	EA	>4" To 5" Rise, Up To 26" Diameter, Adjustable Or Solid Manhole Risers	451.16	
		Note: For manholes up to 26" in diameter.		
33 05 13 13-0007	EA	>5" To 6" Rise, Up To 26" Diameter, Adjustable Or Solid Manhole Risers	486.24	
		Note: For manholes up to 26" in diameter.		
33 05 13 13-0008		**>26" To 32-1/2" Diameter, Up To 6" Rise Adjustable Or Solid Manhole Risers** *(33 05 13 13-0001)*		
33 05 13 13-0009	EA	Up To 2" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid Manhole Risers	389.35	
		Note: For manholes over 26" in diameter and up to 32-1/2" diameter.		
33 05 13 13-0010	EA	>2 To 3" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid Manhole Risers	425.36	
		Note: For manholes over 26" in diameter and up to 32-1/2" diameter.		
33 05 13 13-0011	EA	>3" To 4" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid Manhole Risers	471.17	
		Note: For manholes over 26" in diameter and up to 32-1/2" diameter.		
33 05 13 13-0012	EA	>4" To 5" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid Manhole Risers	515.16	
		Note: For manholes over 26" in diameter and up to 32-1/2" diameter.		
33 05 13 13-0013	EA	>5" To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid Manhole Risers	557.32	
		Note: For manholes over 26" in diameter and up to 32-1/2" diameter.		
33 05 13 13-0014		**>32-1/2" To 36" Diameter, Up To 6" Rise Adjustable Or Solid Manhole Risers** *(33 05 13 13-0001)*		
33 05 13 13-0015	EA	Up To 4" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers	443.16	
33 05 13 13-0016	EA	>4" To 5" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers	468.76	
33 05 13 13-0017	EA	>5" To 6" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers	495.92	
33 05 13 13-0018		**Up To 36" Diameter, >6" To 12" Rise Solid Manhole Risers** *(33 05 13 13-0001)*		
33 05 13 13-0019	EA	>6" To 6-1/2" Rise, Up To 36" Diameter, Solid Manhole Risers	541.72	
33 05 13 13-0020	EA	7" Rise, Up To 36" Diameter, Solid Manhole Risers	590.49	
33 05 13 13-0021	EA	7-1/2" Rise, Up To 36" Diameter, Solid Manhole Risers	639.90	
33 05 13 13-0022	EA	8" Rise, Up To 36" Diameter, Solid Manhole Risers	678.25	
33 05 13 13-0023	EA	9" Rise, Up To 36" Diameter, Solid Manhole Risers	738.60	
33 05 13 13-0024	EA	10" Rise, Up To 36" Diameter, Solid Manhole Risers	792.78	
33 05 13 13-0025	EA	11" Rise, Up To 36" Diameter, Solid Manhole Risers	845.48	
33 05 13 13-0026	EA	12" Rise, Up To 36" Diameter, Solid Manhole Risers	899.10	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 05 13 13-0027 >12" Rise, Solid Manhole Risers *(33 05 13 13)*
Note: Includes valve boxes.

33 05 13 13-0028 Precast Concrete Manhole Riser *(33 05 13 13-0027)*

33 05 13 13-0029	VLF	Up To 26" Diameter Precast Concrete Manhole Riser		78.44	
33 05 13 13-0030	VLF	>26" To 36" Diameter Precast Concrete Manhole Riser		93.84	
33 05 13 13-0031	VLF	>36" To 48" Diameter Precast Concrete Manhole Riser		106.98	
33 05 13 13-0032	VLF	>48" To 60" Diameter Precast Concrete Manhole Riser		211.30	
33 05 13 13-0033	VLF	>60" To 72" Diameter Precast Concrete Manhole Riser		310.74	

33 05 16 Utility Structures *(33 05)*

33 05 16 13 Precast Concrete Directional Structures *(33 05 16)*

33 05 16 13-0001 Underground Utility Vaults And Structures *(33 05 16 13)*
See CSI section 33 39 13 00-0001 for manholes, 33 39 13 00-0129 for frames and covers.

33 05 16 13-0002 Precast Concrete Underground Utility Vault *(33 05 16 13-0001)*
Note: Sizes given are for inside dimensions.

33 05 16 13-0003 6' High Precast Concrete Underground Utility Vault *(33 05 16 13-0002)*

33 05 16 13-0004	EA	4' x 4' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.		2,525.60	
33 05 16 13-0005	EA	4' x 6' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.		3,292.16	
33 05 16 13-0006	EA	5' x 10' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.		5,431.27	
33 05 16 13-0007	EA	5' x 12' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.		6,271.30	
33 05 16 13-0008	EA	6' x 6' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.		4,207.21	
33 05 16 13-0009	EA	6' x 8' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.		5,121.47	
33 05 16 13-0010	EA	6' x 10' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.		6,036.52	
33 05 16 13-0011	EA	6' x 12' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.		8,721.60	
33 05 16 13-0012	EA	6' x 14' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.		8,721.60	
33 05 16 13-0013	EA	6' x 16' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.		10,981.89	
33 05 16 13-0014	EA	8' x 8' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.		6,185.05	
33 05 16 13-0015	EA	8' x 10' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.		7,247.85	
33 05 16 13-0016	EA	8' x 12' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.		10,360.18	
33 05 16 13-0017	EA	8' x 14' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.		11,660.32	

33 05 16 13-0018 7' High Precast Concrete Underground Utility Vault *(33 05 16 13-0002)*

33 05 16 13-0019	EA	4' x 4' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.		2,780.43	
33 05 16 13-0020	EA	4' x 6' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.		3,610.29	
33 05 16 13-0021	EA	4' x 8' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.		4,440.13	
33 05 16 13-0022	EA	5' x 10' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.		5,908.10	
33 05 16 13-0023	EA	5' x 12' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.		6,812.20	
33 05 16 13-0024	EA	6' x 6' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.		4,588.65	
33 05 16 13-0025	EA	6' x 8' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.		5,567.03	
33 05 16 13-0026	EA	6' x 10' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.		6,545.39	
33 05 16 13-0027	EA	6' x 12' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.		9,484.49	
33 05 16 13-0028	EA	6' x 16' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.		11,914.38	
33 05 16 13-0029	EA	8' x 8' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.		6,693.89	
33 05 16 13-0030	EA	8' x 10' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.		7,820.01	
33 05 16 13-0031	EA	8' x 12' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.		11,208.32	
33 05 16 13-0032	EA	8' x 14' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.		12,592.02	
33 05 16 13-0033	EA	10' x 10' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.		11,377.35	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 16 13-0034		**8' High Precast Concrete Underground Utility Vault** *(33 05 16 13-0002)*		
33 05 16 13-0035	EA	4' x 4' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	3,034.46	
33 05 16 13-0036	EA	4' x 6' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	3,928.42	
33 05 16 13-0037	EA	5' x 10' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,384.89	
33 05 16 13-0038	EA	5' x 12' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,352.31	
33 05 16 13-0039	EA	6' x 6' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	4,970.09	
33 05 16 13-0040	EA	6' x 8' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,011.78	
33 05 16 13-0041	EA	6' x 10' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,053.48	
33 05 16 13-0042	EA	6' x 12' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	10,247.35	
33 05 16 13-0043	EA	6' x 16' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	12,846.92	
33 05 16 13-0044	EA	8' x 8' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,201.96	
33 05 16 13-0045	EA	8' x 10' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,392.16	
33 05 16 13-0046	EA	8' x 12' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	12,055.61	
33 05 16 13-0047	EA	8' x 14' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	13,524.57	
33 05 16 13-0048	EA	10' x 10' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	12,225.23	
33 05 16 13-0049		**10' High Precast Concrete Underground Utility Vault** *(33 05 16 13-0002)*		
33 05 16 13-0050	EA	6' x 6' x 10' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	5,351.55	
33 05 16 13-0051	EA	6' x 8' x 10' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,456.53	
33 05 16 13-0052	EA	10' x 10' x 10' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	13,072.49	
33 05 16 13-0053		**12' High Precast Concrete Underground Utility Vault** *(33 05 16 13-0002)*		
33 05 16 13-0054	EA	6' x 6' x 12' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	5,732.99	
33 05 16 13-0055	EA	6' x 8' x 12' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,902.08	
33 05 16 13-0056		**Meter Pit** *(33 05 16 13-0001)*		
33 05 16 13-0057		**Precast Concrete Meter Pit** *(33 05 16 13-0056)*		
33 05 16 13-0058	EA	4' x 4' x 4' Deep Precast Concrete Meter Pit	1,792.78	
33 05 16 13-0059	EA	4' x 4' x 6' Deep Precast Concrete Meter Pit	2,388.20	
33 05 16 13-0060	EA	4' x 4' x 8' Deep Precast Concrete Meter Pit	2,936.73	
33 05 16 13-0061	EA	4' x 4' x 10' Deep Precast Concrete Meter Pit	3,602.91	
33 05 16 13-0062	EA	4' x 4' x 15' Deep Precast Concrete Meter Pit	4,857.10	
33 05 16 13-0063	EA	6' x 6' x 4' Deep Precast Concrete Meter Pit	2,678.70	
33 05 16 13-0064	EA	6' x 6' x 6' Deep Precast Concrete Meter Pit	3,602.91	
33 05 16 13-0065	EA	6' x 6' x 8' Deep Precast Concrete Meter Pit	4,582.68	
33 05 16 13-0066	EA	6' x 6' x 10' Deep Precast Concrete Meter Pit	5,719.42	
33 05 16 13-0067	EA	6' x 6' x 15' Deep Precast Concrete Meter Pit	7,876.13	
33 05 16 13-0068		**Handhole Or Pull Box Enclosures** *(33 05 16 13-0001)*		
33 05 16 13-0069		**Polymer Concrete Handhole Enclosures** *(33 05 16 13-0068)*		
33 05 16 13-0070		**Polymer Concrete Handhole Enclosures** *(33 05 16 13-0069)*		
33 05 16 13-0071		**Flared Sides, Polymer Concrete Handhole Enclosures** *(33 05 16 13-0070)*		
33 05 16 13-0072		**Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures** *(33 05 16 13-0071)*		
33 05 16 13-0073	EA	12" x 12", 24" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	192.19	18.45
33 05 16 13-0074	EA	10" x 15", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	177.15	40.98
33 05 16 13-0075	EA	13" x 24", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	269.97	61.47
33 05 16 13-0076	EA	17" x 30", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	309.35	61.47
33 05 16 13-0077	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	296.34	61.47
33 05 16 13-0078	EA	13" x 24", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	353.13	61.47

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 16 13-0079	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	344.56	61.47
33 05 16 13-0080	EA	17" x 30", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	459.56	61.47
33 05 16 13-0081	EA	27" Round, 36" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	650.33	81.96
33 05 16 13-0082	EA	27" Round, 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	897.81	81.96
33 05 16 13-0083	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	607.52	112.69
33 05 16 13-0084	EA	24" x 36", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	685.02	112.69
33 05 16 13-0085	EA	24" x 36", 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,088.20	112.69
33 05 16 13-0086	EA	39" Round, 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	649.92	122.93
33 05 16 13-0087	EA	39" Round, 24" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	903.79	122.93
33 05 16 13-0088	EA	39" Round, 36" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,111.39	122.93
33 05 16 13-0089	EA	39" Round, 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,602.41	122.93
33 05 16 13-0090	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	930.40	180.92
33 05 16 13-0091	EA	30" x 48", 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,312.49	180.92
33 05 16 13-0092		Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures *(33 05 16 13-0071)*		
33 05 16 13-0093	EA	12" x 12", 24" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	243.63	18.45
33 05 16 13-0094	EA	13" x 24", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	331.24	61.47
33 05 16 13-0095	EA	17" x 30", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	394.63	61.47
33 05 16 13-0096	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	366.25	61.47
33 05 16 13-0097	EA	13" x 24", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	414.79	61.47
33 05 16 13-0098	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	427.52	61.47
33 05 16 13-0099	EA	17" x 30", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	543.23	61.47
33 05 16 13-0100	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	737.80	112.69
33 05 16 13-0101	EA	24" x 36", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	815.30	112.69
33 05 16 13-0102	EA	24" x 36", 48" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,218.49	112.69
33 05 16 13-0103	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,082.65	180.92
33 05 16 13-0104	EA	30" x 48", 48" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,467.64	180.92
33 05 16 13-0105		Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 16 13-0070)*		
33 05 16 13-0106		Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 16 13-0105)*		
33 05 16 13-0107	EA	5" x 16", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	309.83	18.45
33 05 16 13-0108	EA	10" x 12", 15" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	263.27	18.45
33 05 16 13-0109	EA	13" x 24", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	235.61	61.47
33 05 16 13-0110	EA	17" x 30", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	263.09	61.47
33 05 16 13-0111	EA	6" x 8", 6" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	79.35	18.45
33 05 16 13-0112	EA	12" x 12", 12" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	118.29	18.45
33 05 16 13-0113	EA	8" x 18", 7" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	185.87	18.45
33 05 16 13-0114	EA	8" x 18", 8" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	194.05	18.45
33 05 16 13-0115	EA	11" x 18", 12" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	174.30	40.98
33 05 16 13-0116	EA	11" x 18", 18" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	186.84	40.98
33 05 16 13-0117	EA	8" x 8", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	116.62	18.45
33 05 16 13-0118	EA	8" x 8", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	131.94	18.45
33 05 16 13-0119	EA	11" x 18", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	185.54	40.98
33 05 16 13-0120	EA	11" x 18", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	206.63	40.98
33 05 16 13-0121	EA	11" x 20", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	192.98	40.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 16 13-0122	EA	13" x 24", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	236.89	61.47
33 05 16 13-0123	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	257.58	61.47
33 05 16 13-0124	EA	17" x 30", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	272.96	61.47
33 05 16 13-0125	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	296.13	61.47
33 05 16 13-0126	EA	17" x 30", 22" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	342.33	61.47
33 05 16 13-0127	EA	17" x 30", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	370.36	61.47
33 05 16 13-0128	EA	17" x 30", 28" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	401.03	61.47
33 05 16 13-0129	EA	17" x 30", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	420.32	61.47
33 05 16 13-0130	EA	24" x 24", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	504.95	81.96
33 05 16 13-0131	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	523.56	112.69
33 05 16 13-0132	EA	24" x 36", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	657.88	112.69
33 05 16 13-0133	EA	24" x 36", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	781.90	112.69
33 05 16 13-0134	EA	24" x 36", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	860.23	112.69
33 05 16 13-0135	EA	24" x 36", 42" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	938.14	112.69
33 05 16 13-0136	EA	36" x 36", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,079.46	180.92
33 05 16 13-0137	EA	30" x 48", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	804.89	180.92
33 05 16 13-0138	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	904.37	180.92
33 05 16 13-0139	EA	30" x 48", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,094.59	180.92
33 05 16 13-0140	EA	30" x 60", 21" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,092.64	180.92
33 05 16 13-0141	EA	30" x 60", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,163.64	180.92
33 05 16 13-0142	EA	30" x 60", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,300.20	180.92
33 05 16 13-0143	EA	36" x 60", 19" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,206.52	193.85
33 05 16 13-0144	EA	36" x 60", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,302.94	193.85
33 05 16 13-0145	EA	36" x 60", 31" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,426.03	193.85
33 05 16 13-0146	EA	36" x 60", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,475.28	193.85
33 05 16 13-0147	EA	48" x 48", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,492.40	193.85
33 05 16 13-0148	EA	48" x 48", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,679.96	193.85
33 05 16 13-0149	EA	36" x 72", 21" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,315.71	193.85
33 05 16 13-0150	EA	36" x 72", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,710.91	193.85
33 05 16 13-0151	EA	48" x 72", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,921.35	206.77
33 05 16 13-0152	EA	48" x 72", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,351.34	206.77
33 05 16 13-0153	EA	48" x 96", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,992.15	206.77

33 05 16 13-0154 Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 16 13-0105)*

33 05 16 13-0155	EA	13" x 24", 12" Depth, 5,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	306.94	61.47
33 05 16 13-0156	EA	17" x 30", 12" Depth, 5,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	347.70	61.47
33 05 16 13-0157	EA	6" x 8", 6" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	128.20	18.45
33 05 16 13-0158	EA	12" x 12", 12" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	181.42	18.45
33 05 16 13-0159	EA	8" x 18", 7" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	240.24	18.45
33 05 16 13-0160	EA	8" x 18", 8" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	248.43	18.45
33 05 16 13-0161	EA	10" x 15", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	227.85	40.98
33 05 16 13-0162	EA	11" x 18", 12" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	236.59	40.98

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 16 13-0163	EA	11" x 18", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	248.26	40.98
33 05 16 13-0164	EA	8" x 8", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	169.88	18.45
33 05 16 13-0165	EA	8" x 8", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	199.17	18.45
33 05 16 13-0166	EA	11" x 18", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	247.97	40.98
33 05 16 13-0167	EA	11" x 18", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	269.06	40.98
33 05 16 13-0168	EA	11" x 20", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	256.08	40.98
33 05 16 13-0169	EA	13" x 24", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	306.55	61.47
33 05 16 13-0170	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	327.49	61.47
33 05 16 13-0171	EA	17" x 30", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	356.08	61.47
33 05 16 13-0172	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	379.11	61.47
33 05 16 13-0173	EA	17" x 30", 22" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	425.17	61.47
33 05 16 13-0174	EA	17" x 30", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	453.32	61.47
33 05 16 13-0175	EA	17" x 30", 28" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	483.86	61.47
33 05 16 13-0176	EA	17" x 30", 30" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	503.28	61.47
33 05 16 13-0177	EA	24" x 24", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	619.56	81.96
33 05 16 13-0178	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	653.85	112.69
33 05 16 13-0179	EA	24" x 36", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	788.01	112.69
33 05 16 13-0180	EA	24" x 36", 30" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	911.90	112.69
33 05 16 13-0181	EA	24" x 36", 36" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	990.11	112.69
33 05 16 13-0182	EA	24" x 36", 42" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,068.27	112.69
33 05 16 13-0183	EA	30" x 48", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	955.70	180.92
33 05 16 13-0184	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,055.32	180.92
33 05 16 13-0185	EA	30" x 48", 36" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,245.40	180.92

33 05 16 13-0186 Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 16 13-0105)*

33 05 16 13-0187	EA	13" x 24", 12" Depth, 5,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	284.17	61.47
33 05 16 13-0188	EA	17" x 30", 12" Depth, 5,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	326.05	61.47
33 05 16 13-0189	EA	6" x 8", 6" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	97.06	18.45
33 05 16 13-0190	EA	12" x 12", 12" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	154.08	18.45
33 05 16 13-0191	EA	8" x 18", 7" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	217.49	18.45
33 05 16 13-0192	EA	8" x 18", 8" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	225.82	18.45
33 05 16 13-0193	EA	11" x 18", 12" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	212.88	40.98
33 05 16 13-0194	EA	11" x 18", 18" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	237.15	40.98
33 05 16 13-0195	EA	8" x 8", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	135.92	18.45
33 05 16 13-0196	EA	11" x 18", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	224.80	40.98
33 05 16 13-0197	EA	11" x 18", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	255.05	40.98
33 05 16 13-0198	EA	11" x 20", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	232.66	40.98
33 05 16 13-0199	EA	13" x 24", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	303.34	61.47
33 05 16 13-0200	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	344.68	61.47
33 05 16 13-0201	EA	17" x 30", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	358.43	61.47
33 05 16 13-0202	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	391.17	61.47
33 05 16 13-0203	EA	17" x 30", 22" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	421.29	61.47
33 05 16 13-0204	EA	17" x 30", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	449.72	61.47
33 05 16 13-0205	EA	17" x 30", 28" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	500.63	61.47
33 05 16 13-0206	EA	17" x 30", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	507.73	61.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 16 13-0207	EA	24" x 24", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	628.44	81.96
33 05 16 13-0208	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	665.37	112.69
33 05 16 13-0209	EA	24" x 36", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	813.53	112.69
33 05 16 13-0210	EA	24" x 36", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	960.06	112.69
33 05 16 13-0211	EA	24" x 36", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,057.39	112.69
33 05 16 13-0212	EA	24" x 36", 42" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,154.72	112.69
33 05 16 13-0213	EA	36" x 36", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,260.80	180.92
33 05 16 13-0214	EA	30" x 48", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	986.23	180.92
33 05 16 13-0215	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,093.47	180.92
33 05 16 13-0216	EA	30" x 48", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,283.56	180.92
33 05 16 13-0217	EA	30" x 60", 21" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,367.41	180.92
33 05 16 13-0218	EA	30" x 60", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,393.67	180.92
33 05 16 13-0219	EA	30" x 60", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,648.38	180.92
33 05 16 13-0220	EA	36" x 60", 19" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,539.84	193.85
33 05 16 13-0221	EA	36" x 60", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,589.66	193.85
33 05 16 13-0222	EA	36" x 60", 31" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,730.98	193.85
33 05 16 13-0223	EA	36" x 60", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,837.94	193.85
33 05 16 13-0224	EA	36" x 72", 21" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,694.97	193.85
33 05 16 13-0225	EA	36" x 72", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,077.49	193.85
33 05 16 13-0226	EA	48" x 48", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,814.06	193.85
33 05 16 13-0227	EA	48" x 48", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,985.70	193.85
33 05 16 13-0228	EA	48" x 72", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,393.44	206.77
33 05 16 13-0229	EA	48" x 72", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,823.60	206.77
33 05 16 13-0230	EA	48" x 96", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,778.20	206.77

33 05 16 13-0231 Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 16 13-0105)*

33 05 16 13-0232	EA	13" x 24", 12" Depth, 5,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	355.48	61.47
33 05 16 13-0233	EA	17" x 30", 12" Depth, 5,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	410.82	61.47
33 05 16 13-0234	EA	6" x 8", 6" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	145.52	18.45
33 05 16 13-0235	EA	12" x 12", 12" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	217.08	18.45
33 05 16 13-0236	EA	8" x 18", 7" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	271.74	18.45
33 05 16 13-0237	EA	8" x 18", 8" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	280.19	18.45
33 05 16 13-0238	EA	11" x 18", 12" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	275.31	40.98
33 05 16 13-0239	EA	11" x 18", 18" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	299.44	40.98
33 05 16 13-0240	EA	8" x 8", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	205.16	18.45
33 05 16 13-0241	EA	11" x 18", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	286.96	40.98
33 05 16 13-0242	EA	11" x 18", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	317.20	40.98
33 05 16 13-0243	EA	11" x 20", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	277.94	40.98
33 05 16 13-0244	EA	13" x 24", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	373.28	61.47
33 05 16 13-0245	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	414.62	61.47
33 05 16 13-0246	EA	17" x 30", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	441.40	61.47
33 05 16 13-0247	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	474.14	61.47

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 16 13-0248	EA	17" x 30", 22" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	504.25	61.47
33 05 16 13-0249	EA	17" x 30", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	532.70	61.47
33 05 16 13-0250	EA	17" x 30", 28" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	583.62	61.47
33 05 16 13-0251	EA	17" x 30", 30" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	590.69	61.47
33 05 16 13-0252	EA	24" x 24", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	742.89	81.96
33 05 16 13-0253	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	795.65	112.69
33 05 16 13-0254	EA	24" x 36", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	943.68	112.69
33 05 16 13-0255	EA	24" x 36", 30" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,090.05	112.69
33 05 16 13-0256	EA	24" x 36", 36" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,187.45	112.69
33 05 16 13-0257	EA	24" x 36", 42" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,284.85	112.69
33 05 16 13-0258	EA	30" x 48", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,137.18	180.92
33 05 16 13-0259	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,244.57	180.92
33 05 16 13-0260	EA	30" x 48", 36" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,434.52	180.92

33 05 16 13-0261 Footed, Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 16 13-0105)*

33 05 16 13-0262	EA	17" x 30", 12" Depth, 5,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	301.55	61.47
33 05 16 13-0263	EA	11" x 18", 12" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	203.43	40.98
33 05 16 13-0264	EA	11" x 18", 18" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	226.75	40.98
33 05 16 13-0265	EA	13" x 24", 12" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	271.29	61.47
33 05 16 13-0266	EA	11" x 18", 12" Depth, 22,500 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	211.07	40.98
33 05 16 13-0267	EA	11" x 18", 18" Depth, 22,500 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	233.40	40.98

33 05 16 13-0268 Polymer Concrete Handhole Enclosure Extensions *(33 05 16 13-0069)*

33 05 16 13-0269	EA	13" x 24", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	227.88	61.47
33 05 16 13-0270	EA	17" x 30", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	252.18	61.47
33 05 16 13-0271	EA	24" x 24", 6" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	294.63	81.96
33 05 16 13-0272	EA	24" x 24", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	318.49	81.96
33 05 16 13-0273	EA	24" x 36", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	384.43	112.69
33 05 16 13-0274	EA	36" x 36", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	663.36	180.92
33 05 16 13-0275	EA	30" x 48", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	637.28	180.92
33 05 16 13-0276	EA	30" x 48", 11" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	642.97	180.92
33 05 16 13-0277	EA	36" x 60", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	846.14	193.85
33 05 16 13-0278	EA	48" x 72", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,300.39	206.77
33 05 16 13-0279	EA	48" x 96", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,679.29	206.77
33 05 16 13-0280	EA	13" x 24", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	355.38	61.47
33 05 16 13-0281	EA	17" x 30", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	370.23	61.47
33 05 16 13-0282	EA	24" x 24", 6" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	403.40	81.96
33 05 16 13-0283	EA	24" x 24", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	427.51	81.96
33 05 16 13-0284	EA	24" x 36", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	503.72	112.69
33 05 16 13-0285	EA	30" x 48", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	805.86	180.92
33 05 16 13-0286	EA	13" x 24", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	282.81	61.47
33 05 16 13-0287	EA	17" x 30", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	312.09	61.47
33 05 16 13-0288	EA	24" x 36", 4" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	426.44	112.69
33 05 16 13-0289	EA	36" x 60", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	818.21	193.85

33 05 16 13-0290 Polymer Concrete Handhole Enclosure Covers *(33 05 16 13-0069)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 16 13-0291		**Polymer Concrete Handhole Enclosure Covers** *(33 05 16 13-0290)*		
33 05 16 13-0292	EA	5" x 16", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	74.95	8.20
33 05 16 13-0293	EA	10" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	75.89	8.20
33 05 16 13-0294	EA	12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	70.54	8.20
33 05 16 13-0295	EA	8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	76.07	8.20
33 05 16 13-0296	EA	11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	76.79	8.20
33 05 16 13-0297	EA	13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	87.68	8.20
33 05 16 13-0298	EA	17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	101.16	8.20
33 05 16 13-0299	EA	30" x 59", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	652.21	23.27
33 05 16 13-0300	EA	30" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	571.84	23.27
33 05 16 13-0301	EA	36" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	851.77	23.27
33 05 16 13-0302	EA	48" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	861.31	23.27
33 05 16 13-0303	EA	36" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	974.57	23.27
33 05 16 13-0304	EA	48" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,061.09	23.27
33 05 16 13-0305	EA	48" x 96", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,699.85	23.27
33 05 16 13-0306	EA	10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	64.60	8.20
33 05 16 13-0307	EA	11" x 18", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	91.35	8.20
33 05 16 13-0308	EA	11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	92.59	8.20
33 05 16 13-0309	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	115.77	8.20
33 05 16 13-0310	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover	88.03	8.20
33 05 16 13-0311	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	136.44	8.20
33 05 16 13-0312	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover	107.73	8.20
33 05 16 13-0313	EA	27" Round, 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	218.14	8.20
33 05 16 13-0314	EA	24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	192.88	12.29
33 05 16 13-0315	EA	24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	240.67	12.29
33 05 16 13-0316	EA	39" Round, 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	309.68	14.34
33 05 16 13-0317	EA	36" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	433.49	18.09
33 05 16 13-0318	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	451.10	34.46
33 05 16 13-0319	EA	11" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	117.16	8.20
33 05 16 13-0320	EA	13" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	165.86	8.20
33 05 16 13-0321	EA	17" x 30", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	188.34	8.20
33 05 16 13-0322	EA	27" Round, 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	311.32	8.20
33 05 16 13-0323	EA	24" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	258.58	12.29
33 05 16 13-0324	EA	39" Round, 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	434.81	14.34
33 05 16 13-0325	EA	36" x 36", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	569.03	18.09
33 05 16 13-0326	EA	30" x 59", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	767.43	23.27
33 05 16 13-0327	EA	30" x 60", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	683.22	23.27
33 05 16 13-0328	EA	36" x 60", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	950.99	23.27
33 05 16 13-0329	EA	48" x 48", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,235.76	23.27
33 05 16 13-0330	EA	36" x 72", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,183.81	23.27
33 05 16 13-0331	EA	48" x 72", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,792.59	23.27
33 05 16 13-0332	EA	48" x 96", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	2,764.25	23.27
33 05 16 13-0333	EA	11" x 18", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	153.24	8.20
33 05 16 13-0334	EA	11" x 20", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	167.31	8.20
33 05 16 13-0335	EA	13" x 24", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	219.42	8.20
33 05 16 13-0336	EA	17" x 30", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	249.66	8.20
33 05 16 13-0337	EA	27" Round, 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	429.49	8.20
33 05 16 13-0338	EA	24" x 24", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	314.26	12.29
33 05 16 13-0339	EA	24" x 36", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	428.12	12.29
33 05 16 13-0340	EA	39" Round, 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	662.17	14.34
33 05 16 13-0341	EA	36" x 36", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	757.72	18.09
33 05 16 13-0342	EA	30" x 48", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	788.94	34.46
33 05 16 13-0343	EA	30" x 60", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	912.40	23.27
33 05 16 13-0344	EA	36" x 60", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,270.40	23.27
33 05 16 13-0345	EA	48" x 48", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,773.96	23.27
33 05 16 13-0346	EA	36" x 72", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,583.92	23.27
33 05 16 13-0347	EA	48" x 72", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	2,619.30	23.27
33 05 16 13-0348	EA	48" x 96", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	4,038.30	23.27
33 05 16 13-0349		**Polymer Concrete Handhole Enclosure Covers With Gaskets** *(33 05 16 13-0290)*		
33 05 16 13-0350	EA	12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	85.66	8.20
33 05 16 13-0351	EA	8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	90.37	8.20
33 05 16 13-0352	EA	11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	91.91	8.20
33 05 16 13-0353	EA	13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	92.49	8.20
33 05 16 13-0354	EA	17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	106.30	8.20
33 05 16 13-0355	EA	10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	68.94	8.20
33 05 16 13-0356	EA	11" x 18", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	95.80	8.20
33 05 16 13-0357	EA	11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	96.66	8.20
33 05 16 13-0358	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	120.36	8.20
33 05 16 13-0359	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket	93.02	8.20
33 05 16 13-0360	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket	113.00	8.20
33 05 16 13-0361	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	141.30	8.20
33 05 16 13-0362	EA	24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	196.14	12.29
33 05 16 13-0363	EA	24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	245.68	12.29
33 05 16 13-0364	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	456.24	34.46
33 05 16 13-0365	EA	6" x 8", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	57.90	8.20
33 05 16 13-0366	EA	8" x 8", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	88.90	8.20

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 16 13-0367	EA	8" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	98.57	8.20
33 05 16 13-0368	EA	12" x 12", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	94.27	8.20
33 05 16 13-0369	EA	10" x 15", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	78.18	8.20
33 05 16 13-0370	EA	11" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	121.60	8.20
33 05 16 13-0371	EA	11" x 20", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	131.63	8.20
33 05 16 13-0372	EA	13" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	170.58	8.20
33 05 16 13-0373	EA	17" x 30", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	193.47	8.20
33 05 16 13-0374	EA	24" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	263.17	12.29
33 05 16 13-0375	EA	24" x 36", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	327.52	12.29
33 05 16 13-0376	EA	30" x 48", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	598.45	34.46

33 05 16 13-0377 Polymer Concrete Handhole Enclosure Covers Without Bolts *(33 05 16 13-0290)*

33 05 16 13-0378	EA	6" x 9", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	47.23	8.20
33 05 16 13-0379	EA	7" x 13", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	55.57	8.20
33 05 16 13-0380	EA	12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	66.80	8.20
33 05 16 13-0381	EA	8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	71.79	8.20
33 05 16 13-0382	EA	11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	71.66	8.20
33 05 16 13-0383	EA	13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	84.45	8.20
33 05 16 13-0384	EA	17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	97.02	8.20
33 05 16 13-0385	EA	24" x 36", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	232.48	12.29
33 05 16 13-0386	EA	30" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	432.39	34.46
33 05 16 13-0387	EA	30" x 59", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	645.18	23.27
33 05 16 13-0388	EA	30" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	563.91	23.27
33 05 16 13-0389	EA	48" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	838.72	23.27
33 05 16 13-0390	EA	36" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	809.66	23.27
33 05 16 13-0391	EA	36" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	967.00	23.27
33 05 16 13-0392	EA	48" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,033.10	23.27
33 05 16 13-0393	EA	48" x 96", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,646.06	23.27
33 05 16 13-0394	EA	10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	62.22	8.20
33 05 16 13-0395	EA	10" x 16", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	60.84	8.20
33 05 16 13-0396	EA	11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	88.35	8.20
33 05 16 13-0397	EA	11" x 21", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	96.77	8.20
33 05 16 13-0398	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	109.12	8.20
33 05 16 13-0399	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover Without Bolts	83.72	8.20
33 05 16 13-0400	EA	18" x 19", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	93.02	8.20
33 05 16 13-0401	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	130.61	8.20
33 05 16 13-0402	EA	24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	189.11	12.29
33 05 16 13-0403	EA	20" x 42", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	235.08	12.29
33 05 16 13-0404	EA	24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	232.35	12.29
33 05 16 13-0405	EA	36" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	416.42	18.09
33 05 16 13-0406	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	432.39	20.68

33 05 16 13-0407 Overlapping, Polymer Concrete Handhole Enclosure Covers *(33 05 16 13-0290)*

33 05 16 13-0408	EA	30" x 60", 5,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	671.37	23.27
33 05 16 13-0409	EA	36" x 60", 5,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	967.97	23.27
33 05 16 13-0410	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	563.75	34.46
33 05 16 13-0411	EA	30" x 48", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	744.82	34.46
33 05 16 13-0412	EA	30" x 60", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	795.91	23.27
33 05 16 13-0413	EA	36" x 60", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,081.37	23.27

33 05 16 13-0414 Split, Polymer Concrete Handhole Enclosure Covers *(33 05 16 13-0290)*

33 05 16 13-0415	EA	24" x 36", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	263.25	12.29
33 05 16 13-0416	EA	36" x 36", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	486.91	18.09
33 05 16 13-0417	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	509.80	34.46
33 05 16 13-0418	EA	6" x 8", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	44.91	8.20
33 05 16 13-0419	EA	8" x 8", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	72.24	8.20
33 05 16 13-0420	EA	12" x 12", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	79.15	8.20
33 05 16 13-0421	EA	8" x 18", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	83.72	8.20
33 05 16 13-0422	EA	10" x 15", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	73.87	8.20
33 05 16 13-0423	EA	11" x 20", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	127.56	8.20
33 05 16 13-0424	EA	24" x 36", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	351.04	12.29
33 05 16 13-0425	EA	36" x 36", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	645.22	18.09
33 05 16 13-0426	EA	30" x 48", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	676.85	34.46

33 05 16 13-0427 Precast Concrete Handholes With Steel Cover *(33 05 16 13-0068)*

Note: 8000 To 12000 pound traffic rated top. Includes cover stamped with utility (Electrical, Sewer, Water, Etc.).

33 05 16 13-0428	EA	12" x 12" x 12" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	574.14	173.87
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*18.00*	
33 05 16 13-0429	EA	12" x 24" x 21" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	953.50	260.80
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*86.49*	
33 05 16 13-0430	EA	18" x 30" x 18" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	1,167.43	347.73
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*146.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 16 13-0431	EA	24" x 24" x 24" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	1,207.72	347.73
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*182.03*	
33 05 16 13-0432	EA	24" x 24" x 30" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	1,429.32	434.68
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*216.67*	
33 05 16 13-0433	EA	30" x 36" x 30" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	1,496.49	434.68
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*245.03*	
33 05 16 13-0434	EA	36" x 36" x 48" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	1,736.21	521.61
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*284.02*	
33 05 16 13-0435	EA	48" x 48" x 48" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	1,997.02	608.54
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*416.43*	
33 05 16 13-0436	EA	48" x 72" x 36" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	1,934.85	521.61
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*473.34*	
33 05 16 13-0437	EA	54" x 38" x 24" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	1,951.94	521.61
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*303.14*	
33 05 16 13-0438	EA	6" Diameter Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	464.80	173.87
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*15.00*	
33 05 16 13-0439	EA	9" Diameter Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	544.26	195.61
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*15.00*	
33 05 16 13-0440	EA	12" Diameter Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	659.69	217.33
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*15.00*	

33 05 23 Trenchless Utility Installation *(33 05)*

33 05 23 13 Utility Horizontal Directional Drilling *(33 05 23)*

33 05 23 13-0001 Horizontal Augering *(33 05 23 13)*

Note: Excludes starting or receiving pits, dewatering, cost of casing pipe or spoils removal.

33 05 23 13-0002	LF	Up To 2" Diameter Horizontal Hand Augering	20.20
33 05 23 13-0003	LF	3" Diameter Horizontal Hand Augering	24.38
33 05 23 13-0004	LF	4" Diameter Horizontal Hand Augering	33.44
33 05 23 13-0005	LF	6" Diameter Horizontal Hand Augering	43.19
33 05 23 13-0006	LF	8" Diameter Horizontal Augering	71.87
33 05 23 13-0007	LF	10" Diameter Horizontal Augering	104.84
33 05 23 13-0008	LF	12" Diameter Horizontal Augering	125.98
33 05 23 13-0009	LF	16" Diameter Horizontal Augering	150.51
33 05 23 13-0010	LF	20" Diameter Horizontal Augering	260.42
33 05 23 13-0011	LF	24" Diameter Horizontal Augering	322.93
33 05 23 13-0012	LF	30" Diameter Horizontal Augering	398.32
33 05 23 13-0013	LF	36" Diameter Horizontal Augering	455.08
33 05 23 13-0014	LF	42" Diameter Horizontal Augering	579.03
33 05 23 13-0015	LF	48" Diameter Horizontal Augering	623.92
33 05 23 13-0016	LF	54" Diameter Horizontal Augering	678.53
33 05 23 13-0017	LF	60" Diameter Horizontal Augering	711.37
33 05 23 13-0018	EA	8" To 36" Horizontal Augering Minimum Set-up Charge Note: For projects where the total boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	1,489.02
33 05 23 13-0019	EA	>36" Horizontal Augering Minimum Set-up Charge Note: For projects where the total boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	2,627.12

33 05 23 13-0020 Horizontal Directional Boring *(33 05 23 13)*

Note: Excludes receiving pits or dewatering or cost of casing pipe.

33 05 23 13-0021	LF	Up To 1-1/2" Diameter Directional Boring For Horizontal Pipe, Underground	9.97
33 05 23 13-0022	LF	2" Diameter Directional Boring For Horizontal Pipe, Underground	14.96
33 05 23 13-0023	LF	2-1/2" Diameter Directional Boring For Horizontal Pipe, Underground	20.78
33 05 23 13-0024	LF	3" Diameter Directional Boring For Horizontal Pipe, Underground	25.77
33 05 23 13-0025	LF	4" Diameter Directional Boring For Horizontal Pipe, Underground	30.75
33 05 23 13-0026	LF	5" Diameter Directional Boring For Horizontal Pipe, Underground	35.74
33 05 23 13-0027	LF	6" Diameter Directional Boring For Horizontal Pipe, Underground	41.55
33 05 23 13-0028	LF	8" Diameter Directional Boring For Horizontal Pipe, Underground	50.73
33 05 23 13-0029	LF	10" Diameter Directional Boring For Horizontal Pipe, Underground	54.96
33 05 23 13-0030	LF	12" Diameter Directional Boring For Horizontal Pipe, Underground	59.18
33 05 23 13-0031	LF	18" Diameter Directional Boring For Horizontal Pipe, Underground	67.64
33 05 23 13-0032	LF	24" Diameter Directional Boring For Horizontal Pipe, Underground	83.75
33 05 23 13-0033	LF	30" Diameter Directional Boring For Horizontal Pipe, Underground	93.06
33 05 23 13-0034	LF	36" Diameter Directional Boring For Horizontal Pipe, Underground	102.37
33 05 23 13-0035	EA	Boring Minimum Charge Note: For projects where the total boring charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	2,233.53

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 23 13-0036		Casing Pipe *(33 05 23 13)* Note: Casing pipe is pulled back from hook on boring auger through slurry. Costs are installed costs. Excludes boring.		
33 05 23 13-0037		Steel Pipe *(33 05 23 13-0036)*		
33 05 23 13-0038	LF	1-1/2" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	7.60	
33 05 23 13-0039	LF	2" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	8.07	
33 05 23 13-0040	LF	2-1/2" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	8.67	
33 05 23 13-0041	LF	3" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	9.28	
33 05 23 13-0042	LF	4" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	11.46	
33 05 23 13-0043	LF	5" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	12.82	
33 05 23 13-0044	LF	6" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	14.17	
33 05 23 13-0045		Polyethylene Pipe *(33 05 23 13-0036)*		
33 05 23 13-0046	LF	3/4" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	3.40	
33 05 23 13-0047	LF	1" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	3.76	
33 05 23 13-0048	LF	1-1/4" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	4.08	
33 05 23 13-0049	LF	1-1/2" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	4.37	
33 05 23 13-0050	LF	2" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	4.67	
33 05 23 13-0051	LF	2-1/2" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	4.98	
33 05 23 13-0052	LF	3" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	5.28	
33 05 23 13-0053	LF	4" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	6.29	
33 05 23 13-0054	LF	5" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	6.92	
33 05 23 13-0055	LF	6" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	7.54	
33 05 23 13-0056	LF	8" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	9.62	
33 05 23 13-0057	LF	10" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	12.82	
33 05 23 16		**Utility Pipe Jacking** *(33 05 23)*		
33 05 23 16-0001		Horizontal Jacking *(33 05 23 16)* Note: Includes cost of steel casing pipe, excludes dewatering and excavation for jacking pit or receiving pit.		
33 05 23 16-0002	LF	Up To 2" Diameter Horizontal Jacking	38.22	
33 05 23 16-0003	LF	3" Diameter Horizontal Jacking	45.97	
33 05 23 16-0004	LF	4" Diameter Horizontal Jacking	62.55	
33 05 23 16-0005	LF	6" Diameter Horizontal Jacking	80.83	
33 05 23 16-0006	LF	8" Diameter Horizontal Jacking	110.11	
33 05 23 16-0007	LF	10" Diameter Horizontal Jacking	161.06	
33 05 23 16-0008	LF	12" Diameter Horizontal Jacking	193.73	
33 05 23 16-0009	LF	16" Diameter Horizontal Jacking	231.37	
33 05 23 16-0010	LF	20" Diameter Horizontal Jacking	380.06	
33 05 23 16-0011	LF	24" Diameter Horizontal Jacking	526.87	
33 05 23 16-0012	LF	30" Diameter Horizontal Jacking	627.78	
33 05 23 16-0013	LF	36" Diameter Horizontal Jacking	712.67	
33 05 23 16-0014	LF	42" Diameter Horizontal Jacking	767.26	
33 05 23 16-0015	LF	48" Diameter Horizontal Jacking	829.78	
33 05 23 16-0016	LF	54" Diameter Horizontal Jacking	893.64	
33 05 23 16-0017	EA	Up To 36" Horizontal Jacking Minimum Set-up Charge Note: For projects where the total boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	1,751.41	
33 05 23 16-0018	EA	>36" Horizontal Jacking Minimum Set-up Charge Note: For projects where the total boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	3,283.89	
33 05 26		Utility Identification *(33 05)*		
33 05 26 26		**Utility Identification Warning Tape** *(33 05 26)*		
33 05 26 26-0001		Non-Detectable Utility Warning Tape *(33 05 26 26)* Note: Labor installation is included with pipe and excavation..		
33 05 26 26-0002	LF	3" Non-Detectable Utility Warning Tape	0.02	
33 05 26 26-0003	LF	6" Non-Detectable Utility Warning Tape	0.03	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 26 26-0004		Detectable Utility Warning Tape *(33 05 26 26)*			
		Note: Labor installation is included with pipe and excavation..			
33 05 26 26-0005	LF	2" Detectable Utility Warning Tape		0.02	
33 05 26 26-0006	LF	3" Detectable Utility Warning Tape		0.03	
33 05 26 26-0007	LF	6" Detectable Utility Warning Tape		0.06	

33 10 Water Utilities *(33)*

33 11 Water Utility Distribution Piping *(33 10)*

Note: Piping includes hydrostatic testing, disinfecting and warning tape. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 11 13 Public Water Utility Distribution Piping *(33 11)*

33 11 13 13 Ductile Iron Public Water Utility Distribution Piping *(33 11 13)*

33 11 13 13-0001 Ductile Iron Piping *(33 11 13 13)*

33 11 13 13-0002 Mechanical Joint Ductile Iron Piping *(33 11 13 13-0001)*

Note: Gaskets, glands, strapping and bolts for mechanical joint pipe and fittings are furnished (included with fitting or pipe) in sufficient quantities to provide for each socket opening on pipe and fittings. Accessories conform to applicable requirements of ANSI/AWWA C111/A21.11. Cement lining and bituminous coating shall conform to ANSI A21.4.

33 11 13 13-0003 Mechanical Joint Ductile Iron Pipe *(33 11 13 13-0002)*

Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D class 50.

CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0004	LF	4" Mechanical Joint Ductile Iron Pipe		34.19	9.99
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add		*13.34*	
		For Cement Mortar Lining (CML), Add		*1.91*	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		*1.43*	
		Note: ANSI/AWWA C151/A21.51			
		For >1,000, Deduct		*-1.71*	
		For Class 51, Add		*1.76*	
		For Class 52, Add		*3.80*	
		For Class 53, Add		*5.77*	
		For Class 54, Add		*7.75*	
		For Class 55, Add		*9.66*	
		For Class 56, Add		*12.08*	
33 11 13 13-0005	LF	6" Mechanical Joint Ductile Iron Pipe		34.99	9.99
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add		*13.90*	
		For Cement Mortar Lining (CML), Add		*1.99*	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		*1.49*	
		Note: ANSI/AWWA C151/A21.51			
		For >1,000, Deduct		*-1.75*	
		For Class 51, Add		*1.83*	
		For Class 52, Add		*3.95*	
		For Class 53, Add		*5.99*	
		For Class 54, Add		*8.04*	
		For Class 55, Add		*10.03*	
		For Class 56, Add		*12.53*	
33 11 13 13-0006	LF	8" Mechanical Joint Ductile Iron Pipe		41.91	10.89
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add		*17.78*	
		For Cement Mortar Lining (CML), Add		*2.54*	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		*1.91*	
		Note: ANSI/AWWA C151/A21.51			
		For >1,000, Deduct		*-2.10*	
		For Class 51, Add		*2.30*	
		For Class 52, Add		*4.98*	
		For Class 53, Add		*7.55*	
		For Class 54, Add		*10.14*	
		For Class 55, Add		*12.65*	
		For Class 56, Add		*15.82*	
33 11 13 13-0007	LF	10" Mechanical Joint Ductile Iron Pipe		56.58	15.53
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add		*19.82*	
		For Cement Mortar Lining (CML), Add		*3.30*	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		*2.48*	
		Note: ANSI/AWWA C151/A21.51			
		For >1,000, Deduct		*-2.83*	
		For Class 51, Add		*3.02*	
		For Class 52, Add		*6.53*	
		For Class 53, Add		*9.90*	
		For Class 54, Add		*13.29*	
		For Class 55, Add		*16.58*	
		For Class 56, Add		*20.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0008	LF	12" Mechanical Joint Ductile Iron Pipe	68.35	17.26
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*21.10*	
		For Cement Mortar Lining (CML), Add	*4.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.17*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-3.42*	
		For Class 51, Add	*3.81*	
		For Class 52, Add	*8.24*	
		For Class 53, Add	*12.49*	
		For Class 54, Add	*16.78*	
		For Class 55, Add	*20.93*	
		For Class 56, Add	*26.18*	
33 11 13 13-0009	LF	14" Mechanical Joint Ductile Iron Pipe	81.75	19.37
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*23.03*	
		For Cement Mortar Lining (CML), Add	*5.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.92*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-4.09*	
		For Class 51, Add	*4.68*	
		For Class 52, Add	*10.14*	
		For Class 53, Add	*15.38*	
		For Class 54, Add	*20.66*	
		For Class 55, Add	*25.77*	
		For Class 56, Add	*32.24*	
33 11 13 13-0010	LF	16" Mechanical Joint Ductile Iron Pipe	92.29	22.20
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*24.05*	
		For Cement Mortar Lining (CML), Add	*5.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.40*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-4.61*	
		For Class 51, Add	*5.26*	
		For Class 52, Add	*11.38*	
		For Class 53, Add	*17.27*	
		For Class 54, Add	*23.20*	
		For Class 55, Add	*28.93*	
		For Class 56, Add	*36.20*	
33 11 13 13-0011	LF	18" Mechanical Joint Ductile Iron Pipe	114.47	25.89
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*30.85*	
		For Cement Mortar Lining (CML), Add	*7.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*5.64*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-5.72*	
		For Class 51, Add	*6.69*	
		For Class 52, Add	*14.50*	
		For Class 53, Add	*22.00*	
		For Class 54, Add	*29.55*	
		For Class 55, Add	*36.86*	
		For Class 56, Add	*46.13*	
33 11 13 13-0012	LF	20" Mechanical Joint Ductile Iron Pipe	129.93	31.07
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*31.49*	
		For Cement Mortar Lining (CML), Add	*8.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.21*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-6.50*	
		For Class 51, Add	*7.42*	
		For Class 52, Add	*16.06*	
		For Class 53, Add	*24.37*	
		For Class 54, Add	*32.74*	
		For Class 55, Add	*40.84*	
		For Class 56, Add	*51.09*	
33 11 13 13-0013	LF	24" Mechanical Joint Ductile Iron Pipe	170.04	38.83
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*34.48*	
		For Cement Mortar Lining (CML), Add	*11.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.34*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-8.50*	
		For Class 51, Add	*9.90*	
		For Class 52, Add	*21.45*	
		For Class 53, Add	*32.55*	
		For Class 54, Add	*43.72*	
		For Class 55, Add	*54.54*	
		For Class 56, Add	*68.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0014	LF	30" Mechanical Joint Ductile Iron Pipe	219.58	41.82
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*48.61*	
		For Cement Mortar Lining (CML), Add	*15.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*11.76*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-10.98*	
		For Class 51, Add	*13.71*	
		For Class 52, Add	*29.75*	
		For Class 53, Add	*45.14*	
		For Class 54, Add	*60.64*	
		For Class 55, Add	*75.64*	
		For Class 56, Add	*94.72*	
33 11 13 13-0015	LF	36" Mechanical Joint Ductile Iron Pipe	262.78	44.41
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*60.79*	
		For Cement Mortar Lining (CML), Add	*19.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.71*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-13.14*	
		For Class 51, Add	*17.00*	
		For Class 52, Add	*36.90*	
		For Class 53, Add	*56.00*	
		For Class 54, Add	*75.24*	
		For Class 55, Add	*93.85*	
		For Class 56, Add	*117.56*	
33 11 13 13-0016	LF	42" Mechanical Joint Ductile Iron Pipe	323.22	46.99
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*78.31*	
		For Cement Mortar Lining (CML), Add	*25.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*18.95*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-16.16*	
		For Class 51, Add	*21.71*	
		For Class 52, Add	*47.15*	
		For Class 53, Add	*71.57*	
		For Class 54, Add	*96.16*	
		For Class 55, Add	*119.94*	
		For Class 56, Add	*150.29*	
33 11 13 13-0017	LF	48" Mechanical Joint Ductile Iron Pipe	396.50	49.66
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*99.81*	
		For Cement Mortar Lining (CML), Add	*32.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.15*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-19.83*	
		For Class 51, Add	*27.48*	
		For Class 52, Add	*59.71*	
		For Class 53, Add	*90.64*	
		For Class 54, Add	*121.79*	
		For Class 55, Add	*151.91*	
		For Class 56, Add	*190.40*	
33 11 13 13-0018	LF	54" Mechanical Joint Ductile Iron Pipe	564.34	52.25
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*150.63*	
		For Cement Mortar Lining (CML), Add	*48.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*36.44*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-28.22*	
		For Class 51, Add	*41.04*	
		For Class 52, Add	*89.26*	
		For Class 53, Add	*135.51*	
		For Class 54, Add	*182.10*	
		For Class 55, Add	*227.12*	
		For Class 56, Add	*284.78*	

33 11 13 13-0019 90 Degree Elbow, Mechanical Joint Ductile Iron *(33 11 13 13-0002)*

33 11 13 13-0020	EA	4" 90 Degree Elbow, Mechanical Joint Ductile Iron	369.80	35.40
		For Cement Mortar Lining (CML), Add	*31.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*23.71*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0021	EA	6" 90 Degree Elbow, Mechanical Joint Ductile Iron	504.42	52.32
		For Cement Mortar Lining (CML), Add	*42.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*31.89*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0022	EA	8" 90 Degree Elbow, Mechanical Joint Ductile Iron	693.70	62.06
		For Cement Mortar Lining (CML), Add	*59.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*44.97*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0023	EA	10" 90 Degree Elbow, Mechanical Joint Ductile Iron	1,052.86	68.88
		For Cement Mortar Lining (CML), Add	*94.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*71.14*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0024	EA	12" 90 Degree Elbow, Mechanical Joint Ductile Iron	1,419.77	80.80
		For Cement Mortar Lining (CML), Add	*129.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*97.31*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0025	EA	14" 90 Degree Elbow, Mechanical Joint Ductile Iron	1,563.77	90.61
		For Cement Mortar Lining (CML), Add	*142.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*106.99*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0026	EA	16" 90 Degree Elbow, Mechanical Joint Ductile Iron	1,770.04	103.56
		For Cement Mortar Lining (CML), Add	*161.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*120.99*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0027	EA	18" 90 Degree Elbow, Mechanical Joint Ductile Iron	2,699.32	144.98
		For Cement Mortar Lining (CML), Add	*247.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*185.98*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0028	EA	20" 90 Degree Elbow, Mechanical Joint Ductile Iron	3,074.20	181.22
		For Cement Mortar Lining (CML), Add	*279.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*209.97*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0029	EA	24" 90 Degree Elbow, Mechanical Joint Ductile Iron	5,431.70	241.31
		For Cement Mortar Lining (CML), Add	*506.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*379.95*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0030	EA	30" 90 Degree Elbow, Mechanical Joint Ductile Iron	5,817.38	258.88
		For Cement Mortar Lining (CML), Add	*542.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*406.88*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0031	EA	36" 90 Degree Elbow, Mechanical Joint Ductile Iron	8,352.22	268.77
		For Cement Mortar Lining (CML), Add	*794.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*595.88*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0032	EA	42" 90 Degree Elbow, Mechanical Joint Ductile Iron	13,609.70	310.66
		For Cement Mortar Lining (CML), Add	*1,313.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*985.43*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0033	EA	48" 90 Degree Elbow, Mechanical Joint Ductile Iron	18,204.35	330.51
		For Cement Mortar Lining (CML), Add	*1,770.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,327.77*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0034	EA	54" 90 Degree Elbow, Mechanical Joint Ductile Iron	21,217.11	349.50
		For Cement Mortar Lining (CML), Add	*2,068.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,551.57*	
		Note: ANSI/AWWA C151/A21.51		

33 11 13 13-0035 45 Degree Elbow, Mechanical Joint Ductile Iron *(33 11 13 13-0002)*

33 11 13 13-0036	EA	4" 45 Degree Elbow, Mechanical Joint Ductile Iron	350.18	35.40
		For Cement Mortar Lining (CML), Add	*29.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*22.24*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0037	EA	6" 45 Degree Elbow, Mechanical Joint Ductile Iron	406.30	52.32
		For Cement Mortar Lining (CML), Add	*32.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.53*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0038	EA	8" 45 Degree Elbow, Mechanical Joint Ductile Iron	551.86	62.06
		For Cement Mortar Lining (CML), Add	*45.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*34.34*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0039	EA	10" 45 Degree Elbow, Mechanical Joint Ductile Iron	694.18	68.88
		For Cement Mortar Lining (CML), Add	*58.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*44.24*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0040	EA	12" 45 Degree Elbow, Mechanical Joint Ductile Iron	929.16	80.80
		For Cement Mortar Lining (CML), Add	*80.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*60.51*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0041	EA	14" 45 Degree Elbow, Mechanical Joint Ductile Iron	1,072.15	90.61
		For Cement Mortar Lining (CML), Add	*93.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*70.12*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0042	EA	16" 45 Degree Elbow, Mechanical Joint Ductile Iron	1,219.86	103.56
		For Cement Mortar Lining (CML), Add	*106.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*79.72*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0043	EA	18" 45 Degree Elbow, Mechanical Joint Ductile Iron	1,519.34	144.98
		For Cement Mortar Lining (CML), Add	*129.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*97.48*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0044	EA	20" 45 Degree Elbow, Mechanical Joint Ductile Iron	2,514.26	181.22
		For Cement Mortar Lining (CML), Add	*223.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*167.98*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0045	EA	24" 45 Degree Elbow, Mechanical Joint Ductile Iron	4,165.19	241.31
		For Cement Mortar Lining (CML), Add	*379.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*284.96*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0046	EA	30" 45 Degree Elbow, Mechanical Joint Ductile Iron	4,823.29	258.88
		For Cement Mortar Lining (CML), Add	*443.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*332.33*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0047	EA	36" 45 Degree Elbow, Mechanical Joint Ductile Iron	7,132.08	268.77
		For Cement Mortar Lining (CML), Add	*672.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*504.37*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0048	EA	42" 45 Degree Elbow, Mechanical Joint Ductile Iron	13,137.05	310.66
		For Cement Mortar Lining (CML), Add	*1,266.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*949.98*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0049	EA	48" 45 Degree Elbow, Mechanical Joint Ductile Iron	17,302.73	330.51
		For Cement Mortar Lining (CML), Add	*1,680.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,260.15*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0050	EA	54" 45 Degree Elbow, Mechanical Joint Ductile Iron	20,930.27	349.50
		For Cement Mortar Lining (CML), Add	*2,040.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,530.05*	
		Note: ANSI/AWWA C151/A21.51		

33 11 13 13-0051 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron *(33 11 13 13-0002)*

33 11 13 13-0052	EA	4" 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron	374.37	35.40
		For Cement Mortar Lining (CML), Add	*32.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.06*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0053	EA	6" 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron	442.85	52.32
		For Cement Mortar Lining (CML), Add	*36.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*27.27*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0054	EA	8" 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron	541.35	62.06
		For Cement Mortar Lining (CML), Add	*44.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*33.55*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0055	EA	10" 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron	635.20	68.88
		For Cement Mortar Lining (CML), Add	*53.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*39.81*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0056	EA	12" 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron	848.48	80.80
		For Cement Mortar Lining (CML), Add	*72.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*54.46*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0057	EA	14" 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron	881.70	90.61
		For Cement Mortar Lining (CML), Add	*74.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*55.83*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0058	EA	16" 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron	1,039.33	103.56
		For Cement Mortar Lining (CML), Add	*88.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*66.18*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0059	EA	18" 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron	1,884.78	144.98
		For Cement Mortar Lining (CML), Add	*166.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*124.89*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0060	EA	20" 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron	2,334.66	181.22
		For Cement Mortar Lining (CML), Add	*206.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*154.51*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0061	EA	24" 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron	3,240.07	241.31
		For Cement Mortar Lining (CML), Add	*287.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*215.58*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0062	EA	30" 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron	6,567.45	258.88
		For Cement Mortar Lining (CML), Add	*617.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*463.14*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0063	EA	36" 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron	9,248.70	268.77
		For Cement Mortar Lining (CML), Add	*884.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*663.11*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0064	EA	42" 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron	13,139.62	310.66
		For Cement Mortar Lining (CML), Add	*1,266.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*950.17*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0065	EA	48" 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron	17,300.16	330.51
		For Cement Mortar Lining (CML), Add	*1,679.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,259.96*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0066	EA	54" 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron	20,915.30	349.50
		For Cement Mortar Lining (CML), Add	*2,038.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,528.93*	
		Note: ANSI/AWWA C151/A21.51		

33 11 13 13-0067 Tee, Mechanical Joint Ductile Iron *(33 11 13 13-0002)*

33 11 13 13-0068	EA	4" x 3" Tee, Mechanical Joint Ductile Iron	407.55	52.32
		For Cement Mortar Lining (CML), Add	*32.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.62*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0069	EA	4" x 4" Tee, Mechanical Joint Ductile Iron	428.10	52.32
		For Cement Mortar Lining (CML), Add	*34.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*26.17*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0070	EA	6" x 3" Tee, Mechanical Joint Ductile Iron	512.60	76.82
		For Cement Mortar Lining (CML), Add	*39.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*29.72*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0071	EA	6" x 4" Tee, Mechanical Joint Ductile Iron	531.20	76.82
		For Cement Mortar Lining (CML), Add	*41.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*31.11*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0072	EA	6" x 6" Tee, Mechanical Joint Ductile Iron	580.79	76.82
		For Cement Mortar Lining (CML), Add	*46.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*34.83*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0073	EA	8" x 4" Tee, Mechanical Joint Ductile Iron	564.68	93.16
		For Cement Mortar Lining (CML), Add	*42.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*31.77*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0074	EA	8" x 6" Tee, Mechanical Joint Ductile Iron	617.65	93.16
		For Cement Mortar Lining (CML), Add	*47.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*35.74*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0075	EA	8" x 8" Tee, Mechanical Joint Ductile Iron	651.36	93.16
		For Cement Mortar Lining (CML), Add	*51.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*38.27*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0076	EA	10" x 4" Tee, Mechanical Joint Ductile Iron	699.61	103.56
		For Cement Mortar Lining (CML), Add	*54.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*40.70*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0077	EA	10" x 6" Tee, Mechanical Joint Ductile Iron	731.01	103.56
		For Cement Mortar Lining (CML), Add	*57.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*43.06*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0078	EA	10" x 8" Tee, Mechanical Joint Ductile Iron	753.43	103.56
		For Cement Mortar Lining (CML), Add	*59.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*44.74*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0079	EA	10" x 10" Tee, Mechanical Joint Ductile Iron	820.72	103.56
		For Cement Mortar Lining (CML), Add	*66.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*49.79*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0080	EA	12" x 4" Tee, Mechanical Joint Ductile Iron	860.56	120.65
		For Cement Mortar Lining (CML), Add	*67.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*50.83*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0081	EA	12" x 6" Tee, Mechanical Joint Ductile Iron	861.03	119.09
		For Cement Mortar Lining (CML), Add	*68.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*51.05*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0082	EA	12" x 8" Tee, Mechanical Joint Ductile Iron	874.52	119.09
		For Cement Mortar Lining (CML), Add	*69.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*52.06*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0083	EA	12" x 10" Tee, Mechanical Joint Ductile Iron	974.54	119.09
		For Cement Mortar Lining (CML), Add	*79.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*59.56*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0084	EA	12" x 12" Tee, Mechanical Joint Ductile Iron	1,068.51	119.09
		For Cement Mortar Lining (CML), Add	*88.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*66.61*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0085	EA	14" x 4" Tee, Mechanical Joint Ductile Iron	2,457.31	144.81
		For Cement Mortar Lining (CML), Add	*223.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*167.85*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0086	EA	14" x 6" Tee, Mechanical Joint Ductile Iron	2,533.55	144.81
		For Cement Mortar Lining (CML), Add	*231.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*173.56*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0087	EA	14" x 8" Tee, Mechanical Joint Ductile Iron	2,617.44	144.81
		For Cement Mortar Lining (CML), Add	*239.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*179.86*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0088	EA	14" x 10" Tee, Mechanical Joint Ductile Iron	2,697.50	144.81
		For Cement Mortar Lining (CML), Add	*247.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*185.86*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0089	EA	14" x 12" Tee, Mechanical Joint Ductile Iron	2,849.98	144.81
		For Cement Mortar Lining (CML), Add	*263.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*197.30*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0090	EA	14" x 14" Tee, Mechanical Joint Ductile Iron	3,006.31	144.81
		For Cement Mortar Lining (CML), Add	*278.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*209.02*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0091	EA	16" x 4" Tee, Mechanical Joint Ductile Iron	3,034.42	180.98
		For Cement Mortar Lining (CML), Add	*276.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*207.02*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0092	EA	16" x 6" Tee, Mechanical Joint Ductile Iron	3,106.86	180.98
		For Cement Mortar Lining (CML), Add	*283.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*212.45*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0093	EA	16" x 8" Tee, Mechanical Joint Ductile Iron	3,167.86	180.98
		For Cement Mortar Lining (CML), Add	*289.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*217.03*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0094	EA	16" x 10" Tee, Mechanical Joint Ductile Iron	3,274.61	180.98
		For Cement Mortar Lining (CML), Add	*300.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*225.03*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0095	EA	16" x 12" Tee, Mechanical Joint Ductile Iron	3,373.74	180.98
		For Cement Mortar Lining (CML), Add	*309.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*232.47*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0096	EA	16" x 14" Tee, Mechanical Joint Ductile Iron	3,556.74	180.98
		For Cement Mortar Lining (CML), Add	*328.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*246.19*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0097	EA	16" x 16" Tee, Mechanical Joint Ductile Iron	3,716.86	180.98
		For Cement Mortar Lining (CML), Add	*344.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*258.20*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0098	EA	18" x 6" Or 4" Tee, Mechanical Joint Ductile Iron	3,713.73	241.79
		For Cement Mortar Lining (CML), Add	*334.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*251.05*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0099	EA	18" x 8" Tee, Mechanical Joint Ductile Iron	3,793.79	241.79
		For Cement Mortar Lining (CML), Add	*342.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*257.06*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0100	EA	18" x 10" Tee, Mechanical Joint Ductile Iron	3,881.48	241.79
		For Cement Mortar Lining (CML), Add	*351.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*263.63*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0101	EA	18" x 12" Tee, Mechanical Joint Ductile Iron	3,988.23	241.79
		For Cement Mortar Lining (CML), Add	*362.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*271.64*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0102	EA	18" x 14" Tee, Mechanical Joint Ductile Iron	4,586.79	241.79
		For Cement Mortar Lining (CML), Add	*422.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*316.53*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0103	EA	18" x 16" Tee, Mechanical Joint Ductile Iron	4,750.73	241.79
		For Cement Mortar Lining (CML), Add	*438.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*328.83*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0104	EA	18" x 18" Tee, Mechanical Joint Ductile Iron	4,994.73	241.79
		For Cement Mortar Lining (CML), Add	*462.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*347.13*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0105	EA	20" x 6" Tee, Mechanical Joint Ductile Iron	4,594.42	362.59
		For Cement Mortar Lining (CML), Add	*404.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*303.38*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0106	EA	20" x 8" Tee, Mechanical Joint Ductile Iron	4,655.42	362.59
		For Cement Mortar Lining (CML), Add	*410.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*307.95*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0107	EA	20" x 10" Tee, Mechanical Joint Ductile Iron	4,765.99	362.59
		For Cement Mortar Lining (CML), Add	*421.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*316.25*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0108	EA	20" x 12" Tee, Mechanical Joint Ductile Iron	4,872.74	362.59
		For Cement Mortar Lining (CML), Add	*432.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*324.25*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0109	EA	20" x 14" Tee, Mechanical Joint Ductile Iron	5,017.61	362.59
		For Cement Mortar Lining (CML), Add	*446.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*335.12*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0110	EA	20" x 16" Tee, Mechanical Joint Ductile Iron	5,757.23	362.59
		For Cement Mortar Lining (CML), Add	*520.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*390.59*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0111	EA	20" x 18" Tee, Mechanical Joint Ductile Iron	6,020.30	362.59
		For Cement Mortar Lining (CML), Add	*547.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*410.32*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0112	EA	20" x 20" Tee, Mechanical Joint Ductile Iron	6,218.55	362.59
		For Cement Mortar Lining (CML), Add	*566.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*425.19*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0113	EA	24" x 8" Tee, Mechanical Joint Ductile Iron	6,237.04	483.01
		For Cement Mortar Lining (CML), Add	*550.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*412.89*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0114	EA	24" x 10" Tee, Mechanical Joint Ductile Iron	6,347.60	483.01
		For Cement Mortar Lining (CML), Add	*561.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*421.19*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0115	EA	24" x 12" Tee, Mechanical Joint Ductile Iron	6,404.79	483.01
		For Cement Mortar Lining (CML), Add	*567.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*425.47*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0116	EA	24" x 14" Tee, Mechanical Joint Ductile Iron	6,568.73	483.01
		For Cement Mortar Lining (CML), Add	*583.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*437.77*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0117	EA	24" x 16" Tee, Mechanical Joint Ductile Iron	6,690.73	483.01
		For Cement Mortar Lining (CML), Add	*595.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*446.92*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0118	EA	24" x 18" Tee, Mechanical Joint Ductile Iron	8,322.47	483.01
		For Cement Mortar Lining (CML), Add	*759.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*569.30*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0119	EA	24" x 20" Tee, Mechanical Joint Ductile Iron	8,596.97	483.01
		For Cement Mortar Lining (CML), Add	*786.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*589.89*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0120	EA	24" x 24" Tee, Mechanical Joint Ductile Iron	9,065.91	483.01
		For Cement Mortar Lining (CML), Add	*833.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*625.06*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0121	EA	30" x 8" Tee, Mechanical Joint Ductile Iron	11,917.68	568.53
		For Cement Mortar Lining (CML), Add	*1,105.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*829.22*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0122	EA	30" x 10" Tee, Mechanical Joint Ductile Iron	12,039.68	568.53
		For Cement Mortar Lining (CML), Add	*1,117.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*838.37*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0123	EA	30" x 12" Tee, Mechanical Joint Ductile Iron	12,115.93	568.53
		For Cement Mortar Lining (CML), Add	*1,125.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*844.09*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0124	EA	30" x 14" Tee, Mechanical Joint Ductile Iron	12,260.80	568.53
		For Cement Mortar Lining (CML), Add	*1,139.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*854.95*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0125	EA	30" x 16" Tee, Mechanical Joint Ductile Iron	12,386.62	568.53
		For Cement Mortar Lining (CML), Add	*1,152.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*864.39*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0126	EA	30" x 18" Tee, Mechanical Joint Ductile Iron	12,588.68	568.53
		For Cement Mortar Lining (CML), Add	*1,172.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*879.54*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0127	EA	30" x 20" Tee, Mechanical Joint Ductile Iron	12,756.43	568.53
		For Cement Mortar Lining (CML), Add	*1,189.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*892.12*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0128	EA	30" x 24" Tee, Mechanical Joint Ductile Iron	15,440.42	568.53
		For Cement Mortar Lining (CML), Add	*1,457.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,093.42*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0129	EA	30" x 30" Tee, Mechanical Joint Ductile Iron	17,243.73	568.53
		For Cement Mortar Lining (CML), Add	*1,638.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,228.67*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0130	EA	36" x 8" Tee, Mechanical Joint Ductile Iron	16,273.94	635.60
		For Cement Mortar Lining (CML), Add	*1,531.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,148.32*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0131	EA	36" x 10" Tee, Mechanical Joint Ductile Iron	16,361.63	635.60
		For Cement Mortar Lining (CML), Add	*1,539.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,154.90*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0132	EA	36" x 12" Tee, Mechanical Joint Ductile Iron	16,449.32	635.60
		For Cement Mortar Lining (CML), Add	*1,548.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,161.48*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0133	EA	36" x 14" Tee, Mechanical Joint Ductile Iron	16,594.19	635.60
		For Cement Mortar Lining (CML), Add	*1,563.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,172.34*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0134	EA	36" x 16" Tee, Mechanical Joint Ductile Iron	16,689.50	635.60
		For Cement Mortar Lining (CML), Add	*1,572.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,179.49*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0135	EA	36" x 18" Tee, Mechanical Joint Ductile Iron	16,891.56	635.60
		For Cement Mortar Lining (CML), Add	*1,592.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,194.64*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0136	EA	36" x 20" Tee, Mechanical Joint Ductile Iron	17,040.25	635.60
		For Cement Mortar Lining (CML), Add	*1,607.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,205.80*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0137	EA	36" x 24" Tee, Mechanical Joint Ductile Iron	17,375.75	635.60
		For Cement Mortar Lining (CML), Add	*1,641.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,230.96*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0138	EA	36" x 30" Tee, Mechanical Joint Ductile Iron	22,469.24	635.60
		For Cement Mortar Lining (CML), Add	*2,150.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,612.97*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0139	EA	36" x 36" Tee, Mechanical Joint Ductile Iron	23,654.93	635.60
		For Cement Mortar Lining (CML), Add	*2,269.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,701.90*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0140	EA	42" x 12" Tee, Mechanical Joint Ductile Iron	22,911.04	673.02
		For Cement Mortar Lining (CML), Add	*2,189.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,641.85*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0141	EA	42" x 16" Tee, Mechanical Joint Ductile Iron	23,181.73	673.02
		For Cement Mortar Lining (CML), Add	*2,216.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,662.15*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0142	EA	42" x 18" Tee, Mechanical Joint Ductile Iron	23,353.29	673.02
		For Cement Mortar Lining (CML), Add	*2,233.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,675.02*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0143	EA	42" x 20" Tee, Mechanical Joint Ductile Iron	23,501.98	673.02
		For Cement Mortar Lining (CML), Add	*2,248.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,686.17*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0144	EA	42" x 24" Tee, Mechanical Joint Ductile Iron	23,818.42	673.02
		For Cement Mortar Lining (CML), Add	*2,279.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,709.90*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0145	EA	42" x 30" Tee, Mechanical Joint Ductile Iron	29,434.22	673.02
		For Cement Mortar Lining (CML), Add	*2,841.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,131.09*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0146	EA	42" x 36" Tee, Mechanical Joint Ductile Iron	36,750.39	673.02
		For Cement Mortar Lining (CML), Add	*3,573.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,679.80*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0147	EA	42" x 42" Tee, Mechanical Joint Ductile Iron	38,668.08	673.02
		For Cement Mortar Lining (CML), Add	*3,764.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,823.63*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0148	EA	48" x 12" Tee, Mechanical Joint Ductile Iron	30,092.71	732.72
		For Cement Mortar Lining (CML), Add	*2,898.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,173.69*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0149	EA	48" x 14" Tee, Mechanical Joint Ductile Iron	30,207.08	732.72
		For Cement Mortar Lining (CML), Add	*2,909.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,182.27*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0150	EA	48" x 16" Tee, Mechanical Joint Ductile Iron	30,447.27	732.72
		For Cement Mortar Lining (CML), Add	*2,933.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,200.28*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0151	EA	48" x 18" Tee, Mechanical Joint Ductile Iron	30,500.65	732.72
		For Cement Mortar Lining (CML), Add	*2,939.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,204.29*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0152	EA	48" x 20" Tee, Mechanical Joint Ductile Iron	30,649.33	732.72
		For Cement Mortar Lining (CML), Add	*2,953.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,215.44*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0153	EA	48" x 24" Tee, Mechanical Joint Ductile Iron	30,939.08	732.72
		For Cement Mortar Lining (CML), Add	*2,982.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,237.17*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0154	EA	48" x 30" Tee, Mechanical Joint Ductile Iron	32,479.33	732.72
		For Cement Mortar Lining (CML), Add	*3,136.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,352.69*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0155	EA	48" x 36" Tee, Mechanical Joint Ductile Iron	38,365.82	732.72
		For Cement Mortar Lining (CML), Add	*3,725.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,794.18*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0156	EA	48" x 42" Tee, Mechanical Joint Ductile Iron	48,316.42	732.72
		For Cement Mortar Lining (CML), Add	*4,720.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,540.47*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0157	EA	48" x 48" Tee, Mechanical Joint Ductile Iron	50,012.98	732.72
		For Cement Mortar Lining (CML), Add	*4,890.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,667.71*	
		Note: ANSI/AWWA C151/A21.51		

33 11 13 13-0158 Cross, Mechanical Joint Ductile Iron *(33 11 13 13-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0159	EA	4" x 3" Cross, Mechanical Joint Ductile Iron	390.57	65.35
		For Cement Mortar Lining (CML), Add	*29.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*21.87*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0160	EA	4" x 4" Cross, Mechanical Joint Ductile Iron	563.71	65.35
		For Cement Mortar Lining (CML), Add	*46.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*34.85*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0161	EA	6" x 3" Cross, Mechanical Joint Ductile Iron	675.22	108.92
		For Cement Mortar Lining (CML), Add	*51.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*38.26*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0162	EA	6" x 4" Cross, Mechanical Joint Ductile Iron	702.33	108.92
		For Cement Mortar Lining (CML), Add	*53.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*40.30*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0163	EA	6" x 6" Cross, Mechanical Joint Ductile Iron	729.42	108.92
		For Cement Mortar Lining (CML), Add	*56.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*42.33*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0164	EA	8" x 4" Cross, Mechanical Joint Ductile Iron	704.86	125.26
		For Cement Mortar Lining (CML), Add	*51.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*38.63*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0165	EA	8" x 6" Cross, Mechanical Joint Ductile Iron	820.40	125.26
		For Cement Mortar Lining (CML), Add	*63.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*47.29*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0166	EA	8" x 8" Cross, Mechanical Joint Ductile Iron	924.60	125.26
		For Cement Mortar Lining (CML), Add	*73.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*55.11*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0167	EA	10" x 4" Cross, Mechanical Joint Ductile Iron	904.44	138.07
		For Cement Mortar Lining (CML), Add	*69.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*52.14*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0168	EA	10" x 6" Cross, Mechanical Joint Ductile Iron	904.44	138.07
		For Cement Mortar Lining (CML), Add	*69.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*52.14*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0169	EA	10" x 8" Cross, Mechanical Joint Ductile Iron	965.32	138.07
		For Cement Mortar Lining (CML), Add	*75.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*56.71*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0170	EA	10" x 10" Cross, Mechanical Joint Ductile Iron	1,121.52	138.07
		For Cement Mortar Lining (CML), Add	*91.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*68.42*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0171	EA	12 x 4" Cross, Mechanical Joint Ductile Iron	1,033.72	155.33
		For Cement Mortar Lining (CML), Add	*79.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*59.88*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0172	EA	12" x 6" Cross, Mechanical Joint Ductile Iron	1,114.47	155.33
		For Cement Mortar Lining (CML), Add	*87.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*65.93*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0173	EA	12" x 8" Cross, Mechanical Joint Ductile Iron	1,145.85	155.33
		For Cement Mortar Lining (CML), Add	*91.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*68.29*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0174	EA	12" x 10" Cross, Mechanical Joint Ductile Iron	1,320.80	155.33
		For Cement Mortar Lining (CML), Add	*108.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*81.41*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0175	EA	12" x 12" Cross, Mechanical Joint Ductile Iron	1,380.62	155.33
		For Cement Mortar Lining (CML), Add	*114.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*85.90*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0176	EA	14" x 4" Cross, Mechanical Joint Ductile Iron	2,695.48	181.22
		For Cement Mortar Lining (CML), Add	*242.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*181.57*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0177	EA	14" x 6" Cross, Mechanical Joint Ductile Iron	2,821.29	181.22
		For Cement Mortar Lining (CML), Add	*254.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*191.01*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0178	EA	14" x 8" Cross, Mechanical Joint Ductile Iron	2,962.36	181.22
		For Cement Mortar Lining (CML), Add	*268.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*201.59*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0179	EA	14" x 10" Cross, Mechanical Joint Ductile Iron	3,168.23	181.22
		For Cement Mortar Lining (CML), Add	*289.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*217.03*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0180	EA	14" x 12" Cross, Mechanical Joint Ductile Iron	3,404.61	181.22
		For Cement Mortar Lining (CML), Add	*313.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*234.75*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0181	EA	14" x 14" Cross, Mechanical Joint Ductile Iron	3,721.04	181.22
		For Cement Mortar Lining (CML), Add	*344.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*258.49*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0182	EA	16" x 4" Cross, Mechanical Joint Ductile Iron	2,292.87	217.46
		For Cement Mortar Lining (CML), Add	*196.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*147.26*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0183	EA	16" x 6" Cross, Mechanical Joint Ductile Iron	3,375.62	217.46
		For Cement Mortar Lining (CML), Add	*304.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*228.46*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0184	EA	16" x 8" Cross, Mechanical Joint Ductile Iron	3,539.56	217.46
		For Cement Mortar Lining (CML), Add	*321.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*240.76*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0185	EA	16" x 10" Cross, Mechanical Joint Ductile Iron	3,753.06	217.46
		For Cement Mortar Lining (CML), Add	*342.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*256.77*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0186	EA	16" x 12" Cross, Mechanical Joint Ductile Iron	3,958.93	217.46
		For Cement Mortar Lining (CML), Add	*362.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*272.21*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0187	EA	16" x 14" Cross, Mechanical Joint Ductile Iron	4,275.37	217.46
		For Cement Mortar Lining (CML), Add	*394.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*295.94*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0188	EA	16" x 16" Cross, Mechanical Joint Ductile Iron	4,561.31	217.46
		For Cement Mortar Lining (CML), Add	*423.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*317.39*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0189	EA	18" x 6" Cross, Mechanical Joint Ductile Iron	3,986.67	275.98
		For Cement Mortar Lining (CML), Add	*356.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*267.64*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0190	EA	18" x 8" Cross, Mechanical Joint Ductile Iron	4,146.80	275.98
		For Cement Mortar Lining (CML), Add	*372.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*279.65*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0191	EA	18" x 10" Cross, Mechanical Joint Ductile Iron	4,322.17	275.98
		For Cement Mortar Lining (CML), Add	*390.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*292.80*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0192	EA	18" x 12" Cross, Mechanical Joint Ductile Iron	4,539.48	275.98
		For Cement Mortar Lining (CML), Add	*412.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*309.10*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0193	EA	18" x 14" Cross, Mechanical Joint Ductile Iron	5,324.86	275.98
		For Cement Mortar Lining (CML), Add	*490.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*368.00*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0194	EA	18" x 16" Cross, Mechanical Joint Ductile Iron	5,652.73	275.98
		For Cement Mortar Lining (CML), Add	*523.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*392.59*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0195	EA	18" x 18" Cross, Mechanical Joint Ductile Iron	6,117.86	275.98
		For Cement Mortar Lining (CML), Add	*569.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*427.48*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0196	EA	20" x 6" Cross, Mechanical Joint Ductile Iron	4,830.83	372.64
		For Cement Mortar Lining (CML), Add	*426.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*319.96*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0197	EA	20" x 8" Cross, Mechanical Joint Ductile Iron	5,002.39	372.64
		For Cement Mortar Lining (CML), Add	*443.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*332.83*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0198	EA	20" x 10" Cross, Mechanical Joint Ductile Iron	5,170.14	372.64
		For Cement Mortar Lining (CML), Add	*460.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*345.41*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0199	EA	20" x 12" Cross, Mechanical Joint Ductile Iron	5,391.27	372.64
		For Cement Mortar Lining (CML), Add	*482.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*362.00*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0200	EA	20" x 14" Cross, Mechanical Joint Ductile Iron	5,684.83	372.64
		For Cement Mortar Lining (CML), Add	*512.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*384.01*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0201	EA	20" x 16" Cross, Mechanical Joint Ductile Iron	6,596.01	372.64
		For Cement Mortar Lining (CML), Add	*603.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*452.35*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0202	EA	20" x 18" Cross, Mechanical Joint Ductile Iron	7,080.20	372.64
		For Cement Mortar Lining (CML), Add	*651.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*488.67*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0203	EA	20" x 20" Cross, Mechanical Joint Ductile Iron	7,491.95	372.64
		For Cement Mortar Lining (CML), Add	*692.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*519.55*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0204	EA	24" x 8" Cross, Mechanical Joint Ductile Iron	6,533.08	492.20
		For Cement Mortar Lining (CML), Add	*578.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*434.05*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0205	EA	24" x 10" Cross, Mechanical Joint Ductile Iron	6,754.21	492.20
		For Cement Mortar Lining (CML), Add	*600.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*450.64*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0206	EA	24" x 12" Cross, Mechanical Joint Ductile Iron	6,899.08	492.20
		For Cement Mortar Lining (CML), Add	*615.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*461.50*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0207	EA	24" x 14" Cross, Mechanical Joint Ductile Iron	7,200.27	492.20
		For Cement Mortar Lining (CML), Add	*645.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*484.09*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0208	EA	24" x 16" Cross, Mechanical Joint Ductile Iron	7,455.71	492.20
		For Cement Mortar Lining (CML), Add	*671.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*503.25*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0209	EA	24" x 18" Cross, Mechanical Joint Ductile Iron	9,483.95	492.20
		For Cement Mortar Lining (CML), Add	*873.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*655.37*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0210	EA	24" x 20" Cross, Mechanical Joint Ductile Iron	9,941.45	492.20
		For Cement Mortar Lining (CML), Add	*919.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*689.68*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0211	EA	24" x 24" Cross, Mechanical Joint Ductile Iron	10,837.39	492.20
		For Cement Mortar Lining (CML), Add	*1,009.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*756.88*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0212	EA	30" x 8" Cross, Mechanical Joint Ductile Iron	12,449.56	673.02
		For Cement Mortar Lining (CML), Add	*1,142.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*857.24*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0213	EA	30" x 10" Cross, Mechanical Joint Ductile Iron	12,586.81	673.02
		For Cement Mortar Lining (CML), Add	*1,156.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*867.53*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0214	EA	30" x 12" Cross, Mechanical Joint Ductile Iron	12,788.88	673.02
		For Cement Mortar Lining (CML), Add	*1,176.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*882.69*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0215	EA	30" x 14" Cross, Mechanical Joint Ductile Iron	13,078.62	673.02
		For Cement Mortar Lining (CML), Add	*1,205.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*904.42*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0216	EA	30" x 16" Cross, Mechanical Joint Ductile Iron	13,341.69	673.02
		For Cement Mortar Lining (CML), Add	*1,232.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*924.15*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0217	EA	30" x 18" Cross, Mechanical Joint Ductile Iron	13,738.19	673.02
		For Cement Mortar Lining (CML), Add	*1,271.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*953.89*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0218	EA	30" x 20" Cross, Mechanical Joint Ductile Iron	14,092.75	673.02
		For Cement Mortar Lining (CML), Add	*1,307.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*980.48*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0219	EA	30" x 24" Cross, Mechanical Joint Ductile Iron	17,295.24	673.02
		For Cement Mortar Lining (CML), Add	*1,627.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,220.66*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0220	EA	30" x 30" Cross, Mechanical Joint Ductile Iron	20,928.55	673.02
		For Cement Mortar Lining (CML), Add	*1,990.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,493.16*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0221	EA	36" x 8" Cross, Mechanical Joint Ductile Iron	16,713.81	739.70
		For Cement Mortar Lining (CML), Add	*1,559.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,169.48*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0222	EA	36" x 10" Cross, Mechanical Joint Ductile Iron	16,918.01	741.12
		For Cement Mortar Lining (CML), Add	*1,579.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,184.64*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0223	EA	36" x 12" Cross, Mechanical Joint Ductile Iron	17,095.05	739.70
		For Cement Mortar Lining (CML), Add	*1,597.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,198.08*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0224	EA	36" x 14" Cross, Mechanical Joint Ductile Iron	17,358.12	739.70
		For Cement Mortar Lining (CML), Add	*1,623.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,217.81*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0225	EA	36" x 16" Cross, Mechanical Joint Ductile Iron	17,598.30	739.70
		For Cement Mortar Lining (CML), Add	*1,647.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,235.82*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0226	EA	36" x 18" Cross, Mechanical Joint Ductile Iron	17,971.93	739.70
		For Cement Mortar Lining (CML), Add	*1,685.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,263.84*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0227	EA	36" x 20" Cross, Mechanical Joint Ductile Iron	18,295.99	739.70
		For Cement Mortar Lining (CML), Add	*1,717.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,288.15*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0228	EA	36" x 24" Cross, Mechanical Joint Ductile Iron	18,947.93	739.70
		For Cement Mortar Lining (CML), Add	*1,782.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,337.04*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0229	EA	36" x 30" Cross, Mechanical Joint Ductile Iron	25,863.79	739.70
		For Cement Mortar Lining (CML), Add	*2,474.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,855.73*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0230	EA	36" x 36" Cross, Mechanical Joint Ductile Iron	28,265.66	739.70
		For Cement Mortar Lining (CML), Add	*2,714.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,035.87*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0231	EA	42" x 12" Cross, Mechanical Joint Ductile Iron	23,585.13	778.22
		For Cement Mortar Lining (CML), Add	*2,240.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,680.45*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0232	EA	42" x 16" Cross, Mechanical Joint Ductile Iron	24,092.19	778.22
		For Cement Mortar Lining (CML), Add	*2,291.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,718.48*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0233	EA	42" x 18" Cross, Mechanical Joint Ductile Iron	24,435.32	778.22
		For Cement Mortar Lining (CML), Add	*2,325.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,744.22*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0234	EA	42" x 20" Cross, Mechanical Joint Ductile Iron	24,767.00	778.22
		For Cement Mortar Lining (CML), Add	*2,358.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,769.09*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0235	EA	42" x 24" Cross, Mechanical Joint Ductile Iron	25,392.25	778.22
		For Cement Mortar Lining (CML), Add	*2,421.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,815.99*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0236	EA	42" x 30" Cross, Mechanical Joint Ductile Iron	32,677.92	778.22
		For Cement Mortar Lining (CML), Add	*3,149.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,362.41*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0237	EA	42" x 36" Cross, Mechanical Joint Ductile Iron	41,134.03	778.22
		For Cement Mortar Lining (CML), Add	*3,995.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,996.62*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0238	EA	42" x 42" Cross, Mechanical Joint Ductile Iron	44,965.59	778.22
		For Cement Mortar Lining (CML), Add	*4,378.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,283.99*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0239	EA	48" x 12" Cross, Mechanical Joint Ductile Iron	30,896.79	931.20
		For Cement Mortar Lining (CML), Add	*2,948.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,211.44*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0240	EA	48" x 14" Cross, Mechanical Joint Ductile Iron	31,068.35	931.20
		For Cement Mortar Lining (CML), Add	*2,965.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,224.30*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0241	EA	48" x 16" Cross, Mechanical Joint Ductile Iron	31,377.16	931.20
		For Cement Mortar Lining (CML), Add	*2,996.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,247.46*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0242	EA	48" x 18" Cross, Mechanical Joint Ductile Iron	31,724.10	931.20
		For Cement Mortar Lining (CML), Add	*3,031.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,273.48*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0243	EA	48" x 20" Cross, Mechanical Joint Ductile Iron	32,025.29	931.20
		For Cement Mortar Lining (CML), Add	*3,061.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,296.07*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0244	EA	48" x 24" Cross, Mechanical Joint Ductile Iron	32,635.28	931.20
		For Cement Mortar Lining (CML), Add	*3,122.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,341.82*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0245	EA	48" x 30" Cross, Mechanical Joint Ductile Iron	35,689.09	931.20
		For Cement Mortar Lining (CML), Add	*3,427.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,570.86*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0246	EA	48" x 36" Cross, Mechanical Joint Ductile Iron	42,547.77	931.20
		For Cement Mortar Lining (CML), Add	*4,113.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,085.26*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0247	EA	48" x 42" Cross, Mechanical Joint Ductile Iron	54,053.87	931.20
		For Cement Mortar Lining (CML), Add	*5,264.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,948.22*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0248	EA	48" x 48" Cross, Mechanical Joint Ductile Iron	57,382.18	931.20
		For Cement Mortar Lining (CML), Add	*5,597.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4,197.84*	
		Note: ANSI/AWWA C151/A21.51		

33 11 13 13-0249 Mechanical Joint x Mechanical Joint Reducers, Ductile Iron *(33 11 13 13-0002)*

33 11 13 13-0250	EA	6" x 3" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron	276.42	49.51
		For Cement Mortar Lining (CML), Add	*20.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*15.47*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0251	EA	6" x 4" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron	285.50	52.32
		For Cement Mortar Lining (CML), Add	*20.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*15.47*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0252	EA	8" x 4" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron	334.90	66.01
		For Cement Mortar Lining (CML), Add	*23.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.69*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0253	EA	8" x 6" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron	358.14	66.01
		For Cement Mortar Lining (CML), Add	*25.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*19.43*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0254	EA	10" x 4" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron	373.47	68.88
		For Cement Mortar Lining (CML), Add	*26.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*20.18*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0255	EA	10" x 6" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron	400.38	68.88
		For Cement Mortar Lining (CML), Add	*29.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*22.20*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0256	EA	10" x 8" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron	431.76	68.88
		For Cement Mortar Lining (CML), Add	*32.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.56*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0257	EA	12" x 4" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron	476.70	80.80
		For Cement Mortar Lining (CML), Add	*35.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*26.57*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0258	EA	12" x 6" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron	494.66	80.80
		For Cement Mortar Lining (CML), Add	*37.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*27.92*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0259	EA	12" x 8" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron	521.58	80.80
		For Cement Mortar Lining (CML), Add	*39.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*29.94*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0260	EA	12" x 10" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron	561.91	80.80
		For Cement Mortar Lining (CML), Add	*43.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*32.97*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0261	EA	14" x 6" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron	1,208.59	90.61
		For Cement Mortar Lining (CML), Add	*107.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*80.35*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0262	EA	14" x 8" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron	1,315.34	90.61
		For Cement Mortar Lining (CML), Add	*117.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*88.35*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0263	EA	14" x 10" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron	1,414.47	90.61
		For Cement Mortar Lining (CML), Add	*127.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*95.79*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0264	EA	14" x 12" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron	1,547.90	90.61
		For Cement Mortar Lining (CML), Add	*141.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*105.80*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0265	EA	16" x 6" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron	1,426.46	103.56
		For Cement Mortar Lining (CML), Add	*126.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*95.22*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0266	EA	16" x 8" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron	1,533.21	103.56
		For Cement Mortar Lining (CML), Add	*137.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*103.22*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0267	EA	16" x 10" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron	1,681.90	103.56
		For Cement Mortar Lining (CML), Add	*152.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*114.38*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0268	EA	16" x 12" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron	1,819.15	103.56
		For Cement Mortar Lining (CML), Add	*166.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*124.67*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0269	EA	16" x 14" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron	2,009.77	103.56
		For Cement Mortar Lining (CML), Add	*185.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*138.97*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0270	EA	18" x 8" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron	1,954.31	144.98
		For Cement Mortar Lining (CML), Add	*173.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*130.10*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0271	EA	18" x 10" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron	2,106.81	144.98
		For Cement Mortar Lining (CML), Add	*188.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*141.54*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0272	EA	18" x 12" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron	2,244.06	144.98
		For Cement Mortar Lining (CML), Add	*202.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*151.83*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0273	EA	18" x 14" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron	2,434.69	144.98
		For Cement Mortar Lining (CML), Add	*221.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*166.13*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0274	EA	18" x 16" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron	2,621.50	144.98
		For Cement Mortar Lining (CML), Add	*240.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*180.14*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0275	EA	20" x 10" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron	2,432.42	181.22
		For Cement Mortar Lining (CML), Add	*215.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*161.84*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0276	EA	20" x 12" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron	2,588.73	181.22
		For Cement Mortar Lining (CML), Add	*231.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*173.56*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0277	EA	20" x 14" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron	2,752.67	181.22
		For Cement Mortar Lining (CML), Add	*247.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*185.86*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0278	EA	20" x 16" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron	2,973.80	181.22
		For Cement Mortar Lining (CML), Add	*269.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*202.44*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0279	EA	20" x 18" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron	3,248.29	181.22
		For Cement Mortar Lining (CML), Add	*297.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*223.03*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0280	EA	24" x 12" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron	3,453.79	241.31
		For Cement Mortar Lining (CML), Add	*308.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*231.61*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0281	EA	24" x 14" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron	3,617.73	241.31
		For Cement Mortar Lining (CML), Add	*325.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*243.90*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0282	EA	24" x 16" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron	3,831.23	241.31
		For Cement Mortar Lining (CML), Add	*346.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*259.92*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0283	EA	24" x 18" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron	4,128.60	241.31
		For Cement Mortar Lining (CML), Add	*376.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*282.22*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0284	EA	24" x 20" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron	4,368.79	241.31
		For Cement Mortar Lining (CML), Add	*400.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*300.23*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0285	EA	30" x 18" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron	6,762.93	258.88
		For Cement Mortar Lining (CML), Add	*637.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*477.80*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0286	EA	30" x 20" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron	7,102.24	258.88
		For Cement Mortar Lining (CML), Add	*671.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*503.25*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0287	EA	30" x 24" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron	7,750.36	258.88
		For Cement Mortar Lining (CML), Add	*735.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*551.86*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0288	EA	36" x 20" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron	9,328.40	268.77
		For Cement Mortar Lining (CML), Add	*892.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*669.09*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0289	EA	36" x 24" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron	10,045.15	268.77
		For Cement Mortar Lining (CML), Add	*963.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*722.85*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0290	EA	36" x 30" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron	12,252.58	268.77
		For Cement Mortar Lining (CML), Add	*1,184.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*888.41*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0291	EA	42" x 20" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron	12,411.43	310.66
		For Cement Mortar Lining (CML), Add	*1,194.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*895.55*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0292	EA	42" x 24" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron	13,280.68	310.66
		For Cement Mortar Lining (CML), Add	*1,281.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*960.75*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0293	EA	42" x 30" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron	15,625.36	310.66
		For Cement Mortar Lining (CML), Add	*1,515.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,136.60*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0294	EA	42" x 36" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron	17,455.35	310.66
		For Cement Mortar Lining (CML), Add	*1,698.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,273.85*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0295	EA	48" x 30" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron	19,113.33	330.51
		For Cement Mortar Lining (CML), Add	*1,861.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,395.94*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0296	EA	48" x 36" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron	21,156.83	330.51
		For Cement Mortar Lining (CML), Add	*2,065.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,549.21*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0297	EA	48" x 42" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron	23,768.38	330.51
		For Cement Mortar Lining (CML), Add	*2,326.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,745.07*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0298	EA	54" x 48" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron	27,154.41	349.50
		For Cement Mortar Lining (CML), Add	*2,662.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,996.87*	
		Note: ANSI/AWWA C151/A21.51		

33 11 13 13-0299 Mechanical Joint x Plain End Offsets, Ductile Iron *(33 11 13 13-0002)*

33 11 13 13-0300	EA	4" Diameter x 6" Mechanical Joint x Plain End Offset, Ductile Iron	821.14	119.82
		For Cement Mortar Lining (CML), Add	*63.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*47.97*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0301	EA	4" Diameter x 12" Mechanical Joint x Plain End Offset, Ductile Iron	846.84	119.82
		For Cement Mortar Lining (CML), Add	*66.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*49.90*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0302	EA	6" Diameter x 6" Mechanical Joint x Plain End Offset, Ductile Iron	1,014.33	149.77
		For Cement Mortar Lining (CML), Add	*78.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*59.06*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0303	EA	6" Diameter x 12" Mechanical Joint x Plain End Offset, Ductile Iron	1,120.32	149.77
		For Cement Mortar Lining (CML), Add	*89.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*67.01*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0304	EA	6" Diameter x 18" Mechanical Joint x Plain End Offset, Ductile Iron	1,253.38	149.77
		For Cement Mortar Lining (CML), Add	*102.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*76.98*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0305	EA	8" Diameter x 6" Mechanical Joint x Plain End Offset, Ductile Iron	1,304.81	171.14
		For Cement Mortar Lining (CML), Add	*104.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*78.41*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0306	EA	8" Diameter x 12" Mechanical Joint x Plain End Offset, Ductile Iron	1,571.08	171.14
		For Cement Mortar Lining (CML), Add	*131.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*98.38*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0307	EA	8" Diameter x 18" Mechanical Joint x Plain End Offset, Ductile Iron	1,687.26	171.14
		For Cement Mortar Lining (CML), Add	*142.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*107.09*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0308	EA	10" Diameter x 6" Mechanical Joint x Plain End Offset, Ductile Iron	1,730.49	199.69
		For Cement Mortar Lining (CML), Add	*142.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*107.09*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0309	EA	10" Diameter x 12" Mechanical Joint x Plain End Offset, Ductile Iron	2,108.38	199.69
		For Cement Mortar Lining (CML), Add	*180.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*135.44*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0310	EA	10" Diameter x 18" Mechanical Joint x Plain End Offset, Ductile Iron	2,432.44	199.69
		For Cement Mortar Lining (CML), Add	*212.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*159.74*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0311	EA	12" Diameter x 6" Mechanical Joint x Plain End Offset, Ductile Iron	2,516.04	217.85
		For Cement Mortar Lining (CML), Add	*218.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*163.95*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0312	EA	12" Diameter x 12" Mechanical Joint x Plain End Offset, Ductile Iron	2,801.17	217.85
		For Cement Mortar Lining (CML), Add	*247.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*185.33*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0313	EA	12" Diameter x 18" Mechanical Joint x Plain End Offset, Ductile Iron	3,352.61	217.85
		For Cement Mortar Lining (CML), Add	*302.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*226.69*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0314	EA	14" Diameter x 6" Mechanical Joint x Plain End Offset, Ductile Iron	4,240.81	239.63
		For Cement Mortar Lining (CML), Add	*387.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*290.83*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0315	EA	14" Diameter x 12" Mechanical Joint x Plain End Offset, Ductile Iron	5,381.32	239.63
		For Cement Mortar Lining (CML), Add	*501.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*376.37*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0316	EA	14" Diameter x 18" Mechanical Joint x Plain End Offset, Ductile Iron	3,071.78	239.63
		For Cement Mortar Lining (CML), Add	*270.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*203.15*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0317	EA	16" Diameter x 6" Mechanical Joint x Plain End Offset, Ductile Iron	2,494.36	266.28
		For Cement Mortar Lining (CML), Add	*209.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*156.82*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0318	EA	16" Diameter x 12" Mechanical Joint x Plain End Offset, Ductile Iron	3,159.66	266.28
		For Cement Mortar Lining (CML), Add	*275.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*206.72*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0319	EA	16" Diameter x 18" Mechanical Joint x Plain End Offset, Ductile Iron	3,682.39	266.28
		For Cement Mortar Lining (CML), Add	*327.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*245.92*	
		Note: ANSI/AWWA C151/A21.51		

33 11 13 13-0320 Mechanical Joint Caps, Ductile Iron *(33 11 13 13-0002)*

33 11 13 13-0321	EA	4" Mechanical Joint Cap, Ductile Iron	241.77	79.87
		For Cement Mortar Lining (CML), Add	*12.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.06*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0322	EA	6" Mechanical Joint Cap, Ductile Iron	312.28	99.85
		For Cement Mortar Lining (CML), Add	*16.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*12.08*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0323	EA	8" Mechanical Joint Cap, Ductile Iron	383.09	114.13
		For Cement Mortar Lining (CML), Add	*21.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*15.77*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0324	EA	10" Mechanical Joint Cap, Ductile Iron	538.80	172.59
		For Cement Mortar Lining (CML), Add	*27.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*20.80*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0325	EA	12" Mechanical Joint Cap, Ductile Iron	634.11	188.28
		For Cement Mortar Lining (CML), Add	*34.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*26.16*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0326	EA	14" Mechanical Joint Cap, Ductile Iron	998.11	207.11
		For Cement Mortar Lining (CML), Add	*68.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*51.32*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0327	EA	16" Mechanical Joint Cap, Ductile Iron	1,272.48	230.09
		For Cement Mortar Lining (CML), Add	*92.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*69.29*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0328	EA	18" Mechanical Joint Cap, Ductile Iron	1,684.83	258.88
		For Cement Mortar Lining (CML), Add	*129.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*96.94*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0329	EA	20" Mechanical Joint Cap, Ductile Iron	1,953.76	295.83
		For Cement Mortar Lining (CML), Add	*150.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*112.91*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0330	EA	24" Mechanical Joint Cap, Ductile Iron	2,701.38	345.18
		For Cement Mortar Lining (CML), Add	*217.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*163.38*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0331	EA	30" Mechanical Joint Cap, Ductile Iron	4,885.73	414.21
		For Cement Mortar Lining (CML), Add	*425.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*319.36*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0332	EA	36" Mechanical Joint Cap, Ductile Iron	6,851.07	517.77
		For Cement Mortar Lining (CML), Add	*606.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*454.99*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0333	EA	42" Mechanical Joint Cap, Ductile Iron	10,103.50	621.32
		For Cement Mortar Lining (CML), Add	*916.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*687.16*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0334	EA	48" Mechanical Joint Cap, Ductile Iron	13,211.45	690.36
		For Cement Mortar Lining (CML), Add	*1,216.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*912.41*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0335	EA	54" Mechanical Joint Cap, Ductile Iron	15,813.69	776.65
		For Cement Mortar Lining (CML), Add	*1,463.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,097.77*	
		Note: ANSI/AWWA C151/A21.51		

33 11 13 13-0336 Flanged End x Mechanical Joint Adapters, Ductile Iron *(33 11 13 13-0002)*

33 11 13 13-0337	EA	4" Flanged End x Mechanical Joint Adapters, Ductile Iron	455.47	119.82
		For Cement Mortar Lining (CML), Add	*27.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*20.54*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0338	EA	6" Flanged End x Mechanical Joint Adapters, Ductile Iron	583.66	149.77
		For Cement Mortar Lining (CML), Add	*35.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*26.76*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0339	EA	8" Flanged End x Mechanical Joint Adapters, Ductile Iron	737.12	171.14
		For Cement Mortar Lining (CML), Add	*47.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*35.83*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0340	EA	10" Flanged End x Mechanical Joint Adapters, Ductile Iron	1,022.92	258.88
		For Cement Mortar Lining (CML), Add	*63.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*47.30*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0341	EA	12" Flanged End x Mechanical Joint Adapters, Ductile Iron	1,217.84	282.41
		For Cement Mortar Lining (CML), Add	*78.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*59.24*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0342	EA	14" Flanged End x Mechanical Joint Adapters, Ductile Iron	1,585.52	310.66
		For Cement Mortar Lining (CML), Add	*111.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*83.61*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0343	EA	16" Flanged End x Mechanical Joint Adapters, Ductile Iron	1,873.53	345.18
		For Cement Mortar Lining (CML), Add	*135.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*101.29*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0344	EA	18" Flanged End x Mechanical Joint Adapters, Ductile Iron	2,343.42	388.33
		For Cement Mortar Lining (CML), Add	*175.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*131.63*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0345	EA	20" Flanged End x Mechanical Joint Adapters, Ductile Iron	2,742.82	443.79
		For Cement Mortar Lining (CML), Add	*207.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*155.28*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0346	EA	24" Flanged End x Mechanical Joint Adapters, Ductile Iron	3,491.93	517.77
		For Cement Mortar Lining (CML), Add	*270.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*203.06*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0347	EA	30" Flanged End x Mechanical Joint Adapters, Ductile Iron	6,531.44	621.32
		For Cement Mortar Lining (CML), Add	*559.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*419.25*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0348	EA	36" Flanged End x Mechanical Joint Adapters, Ductile Iron	8,525.03	776.65
		For Cement Mortar Lining (CML), Add	*734.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*551.12*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0349	EA	42" Flanged End x Mechanical Joint Adapters, Ductile Iron	11,295.45	887.58
		For Cement Mortar Lining (CML), Add	*995.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*746.30*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0350	EA	48" Flanged End x Mechanical Joint Adapters, Ductile Iron	13,752.42	1,035.54
		For Cement Mortar Lining (CML), Add	*1,218.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*913.76*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0351	EA	54" Flanged End x Mechanical Joint Adapters, Ductile Iron	16,092.50	1,139.08
		For Cement Mortar Lining (CML), Add	*1,436.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,077.49*	
		Note: ANSI/AWWA C151/A21.51		

33 11 13 13-0352 Mechanical Joint x Push-On Joint Adapters, Ductile Iron *(33 11 13 13-0002)*

33 11 13 13-0353	EA	4" Mechanical Joint x Push-On Joint Adapter, Ductile Iron	438.15	119.82
		For Cement Mortar Lining (CML), Add	*25.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*19.25*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0354	EA	6" Mechanical Joint x Push-On Joint Adapter, Ductile Iron	535.81	149.77
		For Cement Mortar Lining (CML), Add	*30.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*23.17*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0355	EA	8" Mechanical Joint x Push-On Joint Adapter, Ductile Iron	710.79	171.14
		For Cement Mortar Lining (CML), Add	*45.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*33.86*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0356	EA	10" Mechanical Joint x Push-On Joint Adapter, Ductile Iron	986.27	258.88
		For Cement Mortar Lining (CML), Add	*59.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*44.55*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0357	EA	12" Mechanical Joint x Push-On Joint Adapter, Ductile Iron	1,212.01	282.41
		For Cement Mortar Lining (CML), Add	*78.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*58.81*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0358	EA	14" Mechanical Joint x Push-On Joint Adapter, Ductile Iron	1,444.89	310.66
		For Cement Mortar Lining (CML), Add	*97.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*73.06*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0359	EA	16" Mechanical Joint x Push-On Joint Adapter, Ductile Iron	1,711.03	345.18
		For Cement Mortar Lining (CML), Add	*118.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*89.10*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0360	EA	18" Mechanical Joint x Push-On Joint Adapter, Ductile Iron	2,014.01	388.33
		For Cement Mortar Lining (CML), Add	*142.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*106.92*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0361	EA	20" Mechanical Joint x Push-On Joint Adapter, Ductile Iron	2,383.20	443.79
		For Cement Mortar Lining (CML), Add	*171.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*128.31*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0362	EA	24" Mechanical Joint x Push-On Joint Adapter, Ductile Iron	3,041.76	517.77
		For Cement Mortar Lining (CML), Add	*225.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*169.29*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0363	EA	30" Mechanical Joint x Push-On Joint Adapter, Ductile Iron	4,965.50	621.32
		For Cement Mortar Lining (CML), Add	*402.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*301.81*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0364	EA	36" Mechanical Joint x Push-On Joint Adapter, Ductile Iron	6,716.78	776.65
		For Cement Mortar Lining (CML), Add	*554.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*415.50*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0365	EA	42" Mechanical Joint x Push-On Joint Adapter, Ductile Iron	8,481.96	886.56
		For Cement Mortar Lining (CML), Add	*713.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*535.40*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0366	EA	48" Mechanical Joint x Push-On Joint Adapter, Ductile Iron	10,609.44	1,035.54
		For Cement Mortar Lining (CML), Add	*904.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*678.03*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0367	EA	54" Mechanical Joint x Push-On Joint Adapter, Ductile Iron	12,752.56	1,139.08
		For Cement Mortar Lining (CML), Add	*1,102.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*827.00*	
		Note: ANSI/AWWA C151/A21.51		

33 11 13 13-0368 Mechanical Joint x Mechanical Joint Solid Sleeves, Ductile Irons *(33 11 13 13-0002)*

33 11 13 13-0369	EA	4" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron	461.84	119.82
		For Cement Mortar Lining (CML), Add	*28.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*21.02*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0370	EA	6" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron	548.63	149.77
		For Cement Mortar Lining (CML), Add	*32.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.13*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0371	EA	8" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron	679.79	171.14
		For Cement Mortar Lining (CML), Add	*42.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*31.53*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0372	EA	10" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron	940.11	258.88
		For Cement Mortar Lining (CML), Add	*54.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*41.09*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0373	EA	12" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron	1,112.73	282.41
		For Cement Mortar Lining (CML), Add	*68.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*51.36*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0374	EA	14" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron	1,585.52	310.66
		For Cement Mortar Lining (CML), Add	*111.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*83.61*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0375	EA	16" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron	1,867.16	345.18
		For Cement Mortar Lining (CML), Add	*134.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*100.81*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0376	EA	18" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron	2,340.24	388.33
		For Cement Mortar Lining (CML), Add	*175.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*131.39*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0377	EA	20" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron	2,669.56	443.79
		For Cement Mortar Lining (CML), Add	*199.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*149.78*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0378	EA	24" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron	3,409.11	517.77
		For Cement Mortar Lining (CML), Add	*262.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*196.85*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0379	EA	30" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron	7,375.52	621.32
		For Cement Mortar Lining (CML), Add	*643.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*482.56*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0380	EA	36" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron	9,633.49	776.65
		For Cement Mortar Lining (CML), Add	*845.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*634.26*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0381	EA	42" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron	11,185.61	886.56
		For Cement Mortar Lining (CML), Add	*984.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*738.17*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0382	EA	48" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron	13,459.38	1,035.54
		For Cement Mortar Lining (CML), Add	*1,189.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*891.78*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0383	EA	54" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron	15,560.52	1,139.08
		For Cement Mortar Lining (CML), Add	*1,383.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,037.59*	
		Note: ANSI/AWWA C151/A21.51		

33 11 13 13-0384 Pipe And Fitting Restraints, Mechanical Joint Ductile Iron (Megalug 1100) *(33 11 13 13-0002)*

Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts and bolts. Excludes pipe and fitting.

33 11 13 13-0385	EA	4" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100)	132.81	61.48
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2.98*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0386	EA	6" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100)	161.54	76.08
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.47*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0387	EA	8" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100)	205.75	88.79
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*5.35*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0388	EA	10" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100)	301.64	129.44
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.91*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0389	EA	12" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100)	377.58	147.95
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*11.51*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0390	EA	14" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100)	437.02	159.25
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.68*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0391	EA	16" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100)	541.39	172.59
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*20.99*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0392	EA	18" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100)	710.31	207.11
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*29.74*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0393	EA	20" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100)	839.01	230.01
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*36.78*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0394	EA	24" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100)	980.36	265.40
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*43.36*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0395	EA	30" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100)	2,044.77	318.27
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*117.19*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0396	EA	36" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100)	2,602.93	398.29
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*149.96*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0397	EA	42" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100)	3,755.99	459.56
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*229.48*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0398	EA	48" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100)	4,983.92	591.04
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*306.63*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0399	EA	54" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100)	6,254.00	690.36
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*390.60*	
		Note: ANSI/AWWA C151/A21.51		

33 11 13 13-0400 Push-On Joint Ductile Iron Piping *(33 11 13 13-0001)*

33 11 13 13-0401 Push-On Joint Ductile Iron Pipe *(33 11 13 13-0400)*

Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D class 50.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0402	LF	4" Push-On Joint Ductile Iron Pipe	21.88	6.81
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*8.10*	
		For Cement Mortar Lining (CML), Add	*1.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*0.87*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-1.09*	
		For Class 51, Add	*1.08*	
		For Class 52, Add	*2.34*	
		For Class 53, Add	*3.54*	
		For Class 54, Add	*4.76*	
		For Class 55, Add	*5.94*	
		For Class 56, Add	*7.41*	
33 11 13 13-0403	LF	6" Push-On Joint Ductile Iron Pipe	28.24	7.51
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*11.85*	
		For Cement Mortar Lining (CML), Add	*1.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1.27*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-1.41*	
		For Class 51, Add	*1.54*	
		For Class 52, Add	*3.32*	
		For Class 53, Add	*5.04*	
		For Class 54, Add	*6.77*	
		For Class 55, Add	*8.45*	
		For Class 56, Add	*10.57*	
33 11 13 13-0404	LF	8" Push-On Joint Ductile Iron Pipe	36.37	8.25
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*16.79*	
		For Cement Mortar Lining (CML), Add	*2.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1.80*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-1.82*	
		For Class 51, Add	*2.13*	
		For Class 52, Add	*4.62*	
		For Class 53, Add	*7.01*	
		For Class 54, Add	*9.42*	
		For Class 55, Add	*11.75*	
		For Class 56, Add	*14.70*	
33 11 13 13-0405	LF	10" Push-On Joint Ductile Iron Pipe	49.28	11.69
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*18.98*	
		For Cement Mortar Lining (CML), Add	*3.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2.37*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-2.46*	
		For Class 51, Add	*2.83*	
		For Class 52, Add	*6.12*	
		For Class 53, Add	*9.29*	
		For Class 54, Add	*12.48*	
		For Class 55, Add	*15.57*	
		For Class 56, Add	*19.48*	
33 11 13 13-0406	LF	12" Push-On Joint Ductile Iron Pipe	59.91	12.94
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*20.15*	
		For Cement Mortar Lining (CML), Add	*4.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.02*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-3.00*	
		For Class 51, Add	*3.57*	
		For Class 52, Add	*7.73*	
		For Class 53, Add	*11.73*	
		For Class 54, Add	*15.76*	
		For Class 55, Add	*19.66*	
		For Class 56, Add	*24.60*	
33 11 13 13-0407	LF	14" Push-On Joint Ductile Iron Pipe	72.54	14.59
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*22.22*	
		For Cement Mortar Lining (CML), Add	*5.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.79*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-3.63*	
		For Class 51, Add	*4.44*	
		For Class 52, Add	*9.62*	
		For Class 53, Add	*14.60*	
		For Class 54, Add	*19.62*	
		For Class 55, Add	*24.47*	
		For Class 56, Add	*30.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0408	LF	16" Push-On Joint Ductile Iron Pipe	84.55	16.63
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*24.34*	
		For Cement Mortar Lining (CML), Add	*5.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.45*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-4.23*	
		For Class 51, Add	*5.21*	
		For Class 52, Add	*11.30*	
		For Class 53, Add	*17.14*	
		For Class 54, Add	*23.03*	
		For Class 55, Add	*28.72*	
		For Class 56, Add	*35.96*	
33 11 13 13-0409	LF	18" Push-On Joint Ductile Iron Pipe	97.63	19.46
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*27.97*	
		For Cement Mortar Lining (CML), Add	*6.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*5.12*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-4.88*	
		For Class 51, Add	*5.99*	
		For Class 52, Add	*12.99*	
		For Class 53, Add	*19.71*	
		For Class 54, Add	*26.48*	
		For Class 55, Add	*33.03*	
		For Class 56, Add	*41.36*	
33 11 13 13-0410	LF	20" Push-On Joint Ductile Iron Pipe	113.11	23.30
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*29.57*	
		For Cement Mortar Lining (CML), Add	*7.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*5.84*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-5.66*	
		For Class 51, Add	*6.86*	
		For Class 52, Add	*14.86*	
		For Class 53, Add	*22.55*	
		For Class 54, Add	*30.30*	
		For Class 55, Add	*37.79*	
		For Class 56, Add	*47.31*	
33 11 13 13-0411	LF	24" Push-On Joint Ductile Iron Pipe	142.21	29.11
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*30.40*	
		For Cement Mortar Lining (CML), Add	*9.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.35*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-7.11*	
		For Class 51, Add	*8.64*	
		For Class 52, Add	*18.72*	
		For Class 53, Add	*28.41*	
		For Class 54, Add	*38.16*	
		For Class 55, Add	*47.60*	
		For Class 56, Add	*59.59*	
33 11 13 13-0412	LF	30" Push-On Joint Ductile Iron Pipe	175.05	31.07
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*39.67*	
		For Cement Mortar Lining (CML), Add	*12.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.60*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-8.75*	
		For Class 51, Add	*11.14*	
		For Class 52, Add	*24.17*	
		For Class 53, Add	*36.68*	
		For Class 54, Add	*49.28*	
		For Class 55, Add	*61.47*	
		For Class 56, Add	*76.99*	
33 11 13 13-0413	LF	36" Push-On Joint Ductile Iron Pipe	218.54	33.03
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*52.23*	
		For Cement Mortar Lining (CML), Add	*16.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*12.64*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-10.93*	
		For Class 51, Add	*14.52*	
		For Class 52, Add	*31.53*	
		For Class 53, Add	*47.85*	
		For Class 54, Add	*64.29*	
		For Class 55, Add	*80.19*	
		For Class 56, Add	*100.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0414	LF	42" Push-On Joint Ductile Iron Pipe	267.79	34.99
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*66.60*	
		For Cement Mortar Lining (CML), Add	*21.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*16.11*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-13.39*	
		For Class 51, Add	*18.38*	
		For Class 52, Add	*39.93*	
		For Class 53, Add	*60.60*	
		For Class 54, Add	*81.43*	
		For Class 55, Add	*101.56*	
		For Class 56, Add	*127.29*	
33 11 13 13-0415	LF	48" Push-On Joint Ductile Iron Pipe	323.78	36.87
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*83.03*	
		For Cement Mortar Lining (CML), Add	*26.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*20.09*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-16.19*	
		For Class 51, Add	*22.78*	
		For Class 52, Add	*49.52*	
		For Class 53, Add	*75.17*	
		For Class 54, Add	*101.02*	
		For Class 55, Add	*125.99*	
		For Class 56, Add	*157.94*	
33 11 13 13-0416	LF	54" Push-On Joint Ductile Iron Pipe	412.64	38.83
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*109.68*	
		For Cement Mortar Lining (CML), Add	*35.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*26.54*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-20.63*	
		For Class 51, Add	*29.91*	
		For Class 52, Add	*65.04*	
		For Class 53, Add	*98.74*	
		For Class 54, Add	*132.69*	
		For Class 55, Add	*165.49*	
		For Class 56, Add	*207.50*	
33 11 13 13-0417		Elbow, Push-On Joint Ductile Iron *(33 11 13 13-0400)*		
33 11 13 13-0418	EA	4" Elbow, Push-On Joint Ductile Iron	191.70	26.57
		For Cement Mortar Lining (CML), Add	*15.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*11.36*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0419	EA	6" Elbow, Push-On Joint Ductile Iron	277.72	39.19
		For Cement Mortar Lining (CML), Add	*21.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*16.37*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0420	EA	8" Elbow, Push-On Joint Ductile Iron	373.36	46.54
		For Cement Mortar Lining (CML), Add	*30.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*22.71*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0421	EA	10" Elbow, Push-On Joint Ductile Iron	564.54	51.62
		For Cement Mortar Lining (CML), Add	*45.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*34.33*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0422	EA	12" Elbow, Push-On Joint Ductile Iron	730.83	60.56
		For Cement Mortar Lining (CML), Add	*60.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*45.42*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0423	EA	14" Elbow, Push-On Joint Ductile Iron	1,468.75	67.94
		For Cement Mortar Lining (CML), Add	*132.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*99.62*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0424	EA	16" Elbow, Push-On Joint Ductile Iron	1,660.04	77.67
		For Cement Mortar Lining (CML), Add	*149.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*112.47*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0425	EA	18" Elbow, Push-On Joint Ductile Iron	2,591.11	108.73
		For Cement Mortar Lining (CML), Add	*236.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*177.48*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0426		Tee, Push-On Joint Ductile Iron *(33 11 13 13-0400)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0427	EA	4" Tee, Push-On Joint Ductile Iron	293.58	39.19
		For Cement Mortar Lining (CML), Add	*23.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.56*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0428	EA	6" Tee, Push-On Joint Ductile Iron	407.73	57.59
		For Cement Mortar Lining (CML), Add	*32.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.03*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0429	EA	8" Tee, Push-On Joint Ductile Iron	560.13	69.81
		For Cement Mortar Lining (CML), Add	*45.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*34.07*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0430	EA	10" Tee, Push-On Joint Ductile Iron	832.48	78.45
		For Cement Mortar Lining (CML), Add	*71.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*53.61*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0431	EA	12" Tee, Push-On Joint Ductile Iron	1,038.71	90.45
		For Cement Mortar Lining (CML), Add	*90.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*67.61*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0432	EA	14" Tee, Push-On Joint Ductile Iron	1,685.30	108.73
		For Cement Mortar Lining (CML), Add	*152.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*114.04*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0433	EA	16" Tee, Push-On Joint Ductile Iron	2,443.06	135.95
		For Cement Mortar Lining (CML), Add	*223.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*167.78*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0434	EA	18" Tee, Push-On Joint Ductile Iron	3,836.73	181.38
		For Cement Mortar Lining (CML), Add	*356.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*267.14*	
		Note: ANSI/AWWA C151/A21.51		

33 11 13 13-0435 Flanged End x Push-On Joint Adapters, Ductile Iron *(33 11 13 13-0400)*

33 11 13 13-0436	EA	4" Flanged End x Push-On Joint Adapter, Ductile Iron	402.43	92.17
		For Cement Mortar Lining (CML), Add	*26.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*19.71*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0437	EA	6" Flanged End x Push-On Joint Adapter, Ductile Iron	491.41	114.13
		For Cement Mortar Lining (CML), Add	*31.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*23.89*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0438	EA	8" Flanged End x Push-On Joint Adapter, Ductile Iron	659.57	133.09
		For Cement Mortar Lining (CML), Add	*45.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*34.34*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0439	EA	10" Flanged End x Push-On Joint Adapter, Ductile Iron	891.42	194.16
		For Cement Mortar Lining (CML), Add	*59.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*44.79*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0440	EA	12" Flanged End x Push-On Joint Adapter, Ductile Iron	1,092.70	221.93
		For Cement Mortar Lining (CML), Add	*75.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*56.74*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0441	EA	14" Flanged End x Push-On Joint Adapter, Ductile Iron	1,277.82	238.96
		For Cement Mortar Lining (CML), Add	*91.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*68.68*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0442	EA	16" Flanged End x Push-On Joint Adapter, Ductile Iron	1,546.89	258.88
		For Cement Mortar Lining (CML), Add	*115.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*86.60*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0443	EA	18" Flanged End x Push-On Joint Adapter, Ductile Iron	1,824.41	310.66
		For Cement Mortar Lining (CML), Add	*135.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*101.53*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0444	EA	20" Flanged End x Push-On Joint Adapter, Ductile Iron	2,135.51	345.18
		For Cement Mortar Lining (CML), Add	*161.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*120.94*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0445	EA	24" Flanged End x Push-On Joint Adapter, Ductile Iron	2,713.66	398.29
		For Cement Mortar Lining (CML), Add	*211.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*158.27*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0446	EA	30" Flanged End x Push-On Joint Adapter, Ductile Iron	4,511.37	477.91
		For Cement Mortar Lining (CML), Add	*378.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*284.04*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0447	EA	36" Flanged End x Push-On Joint Adapter, Ductile Iron	6,308.89	597.39
		For Cement Mortar Lining (CML), Add	*540.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*405.28*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0448	EA	42" Flanged End x Push-On Joint Adapter, Ductile Iron	8,043.11	690.36
		For Cement Mortar Lining (CML), Add	*699.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*524.78*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0449	EA	48" Flanged End x Push-On Joint Adapter, Ductile Iron	10,258.66	887.58
		For Cement Mortar Lining (CML), Add	*891.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*668.54*	
		Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0450	EA	54" Flanged End x Push-On Joint Adapter, Ductile Iron	12,509.03	1,035.77
		For Cement Mortar Lining (CML), Add	*1,093.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*820.47*	
		Note: ANSI/AWWA C151/A21.51		

33 11 13 13-0451 Pipe And Fitting Restraints, Push-On Joint Ductile Iron *(33 11 13 13-0400)*

Note: Includes ductile iron follower gland, restraint ring and all nuts and bolts. Excludes pipe and fitting.

33 11 13 13-0452	EA	4" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	38.04	9.99
33 11 13 13-0453	EA	6" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	43.03	9.99
33 11 13 13-0454	EA	8" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	57.00	14.12
33 11 13 13-0455	EA	10" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	69.50	15.53
33 11 13 13-0456	EA	12" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	83.47	17.26
33 11 13 13-0457	EA	14" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	106.97	19.37
33 11 13 13-0458	EA	16" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	126.67	22.20
33 11 13 13-0459	EA	18" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	146.23	25.89
33 11 13 13-0460	EA	20" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	170.06	31.07
33 11 13 13-0461	EA	24" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	205.21	31.07
33 11 13 13-0462	EA	30" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	273.00	38.83
33 11 13 13-0463	EA	36" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	354.62	38.83
33 11 13 13-0464	EA	42" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	454.93	51.77
33 11 13 13-0465	EA	48" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	527.46	51.77
33 11 13 13-0466	EA	54" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	728.19	51.77

33 11 13 13-0467 Bell Restraint Harness, Ductile Iron (Megalug 1700) *(33 11 13 13-0400)*

33 11 13 13-0468	EA	4" Bell Restraint Harness, Ductile Iron (Megalug 1700)	137.52	52.95
33 11 13 13-0469	EA	6" Bell Restraint Harness, Ductile Iron (Megalug 1700)	177.69	64.64
33 11 13 13-0470	EA	8" Bell Restraint Harness, Ductile Iron (Megalug 1700)	225.87	78.84
33 11 13 13-0471	EA	10" Bell Restraint Harness, Ductile Iron (Megalug 1700)	325.65	96.18
33 11 13 13-0472	EA	12" Bell Restraint Harness, Ductile Iron (Megalug 1700)	402.67	117.28
33 11 13 13-0473	EA	14" Bell Restraint Harness, Ductile Iron (Megalug 1700)	655.55	143.10
33 11 13 13-0474	EA	16" Bell Restraint Harness, Ductile Iron (Megalug 1700)	755.78	174.63
33 11 13 13-0475	EA	18" Bell Restraint Harness, Ductile Iron (Megalug 1700)	867.77	212.99
33 11 13 13-0476	EA	20" Bell Restraint Harness, Ductile Iron (Megalug 1700)	1,159.92	259.90
33 11 13 13-0477	EA	24" Bell Restraint Harness, Ductile Iron (Megalug 1700)	1,470.14	317.02
33 11 13 13-0478	EA	30" Bell Restraint Harness, Ductile Iron (Megalug 1700)	2,432.17	386.83
33 11 13 13-0479	EA	36" Bell Restraint Harness, Ductile Iron (Megalug 1700)	3,400.53	471.88
33 11 13 13-0480	EA	42" Bell Restraint Harness, Ductile Iron (Megalug 1700)	5,992.38	575.74
33 11 13 13-0481	EA	48" Bell Restraint Harness, Ductile Iron (Megalug 1700)	7,724.43	702.36

33 11 13 13-0482 Ductile Iron Pipe Repair *(33 11 13 13-0001)*

See CSI section 33 11 13 13-0002 for mechanical joint fittings.

33 11 13 13-0483 Ductile Iron Pipe Repair *(33 11 13 13-0482)*

Note: Includes two transition sleeves, mechanical joint ductile iron sleeve and 16' of ductile iron pipe.

33 11 13 13-0484	EA	30" Diameter Mechanical Ductile Iron Push Joint	2,857.60	
33 11 13 13-0485	EA	36" Diameter Mechanical Ductile Iron Push Joint	3,649.50	
33 11 13 13-0486	EA	42" Diameter Mechanical Ductile Iron Push Joint	4,681.58	
33 11 13 13-0487	EA	48" Diameter Mechanical Ductile Iron Push Joint	5,894.58	
33 11 13 13-0488	EA	54" Diameter Mechanical Ductile Iron Push Joint	8,607.61	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0489		WEKO Seals *(33 11 13 13-0482)*		
		Note: Internal joint seal.		
33 11 13 13-0490	EA	16" WEKO Internal Joint Seal	1,676.73	140.06
		For Extra Wide Seals, Add	*80.61*	
33 11 13 13-0491	EA	20" WEKO Internal Joint Seal	1,897.14	155.72
		For Extra Wide Seals, Add	*81.80*	
33 11 13 13-0492	EA	24" WEKO Internal Joint Seal	2,008.31	168.18
		For Extra Wide Seals, Add	*82.74*	
33 11 13 13-0493	EA	30" WEKO Internal Joint Seal	2,069.58	180.64
		For Extra Wide Seals, Add	*83.69*	
33 11 13 13-0494	EA	36" WEKO Internal Joint Seal	2,167.99	196.21
		For Extra Wide Seals, Add	*84.86*	
33 11 13 13-0495	EA	42" WEKO Internal Joint Seal	2,308.55	214.90
		For Extra Wide Seals, Add	*86.28*	
33 11 13 13-0496	EA	48" WEKO Internal Joint Seal	2,494.27	230.46
		For Extra Wide Seals, Add	*87.46*	
33 11 13 13-0497	EA	54" WEKO Internal Joint Seal	2,585.49	242.92
		For Extra Wide Seals, Add	*88.40*	
33 11 13 13-0498	EA	60" WEKO Internal Joint Seal	2,691.13	261.62
		For Extra Wide Seals, Add	*89.82*	

33 11 13 23 Plastic Public Water Utility Distribution Piping *(33 11 13)*

33 11 13 23-0001		AWWA C900 / C905 Polyvinyl Chloride (PVC) Pipe *(33 11 13 23)*		
		Note: Includes hub on one end of pipe. C900 is available in blue, white, purple or green.		
33 11 13 23-0002		AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe *(33 11 13 23-0001)*		
33 11 13 23-0003	LF	4" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe	12.79	6.37
33 11 13 23-0004	LF	6" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe	16.43	7.38
33 11 13 23-0005	LF	8" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe	21.21	8.56
33 11 13 23-0006	LF	10" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe	25.24	8.98
33 11 13 23-0007	LF	12" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe	30.10	9.32
33 11 13 23-0008		AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe *(33 11 13 23-0001)*		
33 11 13 23-0009	LF	4" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe	13.47	6.37
33 11 13 23-0010	LF	6" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe	17.83	7.38
33 11 13 23-0011	LF	8" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe	23.57	8.56
33 11 13 23-0012	LF	10" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe	28.90	8.98
33 11 13 23-0013	LF	12" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe	35.21	9.32
33 11 13 23-0014		AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe *(33 11 13 23-0001)*		
33 11 13 23-0015	LF	4" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe	14.13	6.37
33 11 13 23-0016	LF	6" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe	19.21	7.38
33 11 13 23-0017	LF	8" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe	25.93	8.56
33 11 13 23-0018	LF	10" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe	32.49	8.98
33 11 13 23-0019	LF	12" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe	40.32	9.32
33 11 13 23-0020		AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe *(33 11 13 23-0001)*		
33 11 13 23-0021	LF	18" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	35.68	11.75
33 11 13 23-0022	LF	20" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	41.14	12.76
33 11 13 23-0023	LF	24" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	51.38	14.10
33 11 13 23-0024	LF	30" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	72.17	17.21
33 11 13 23-0025	LF	36" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	93.41	18.22
33 11 13 23-0026	LF	42" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	115.76	19.72
33 11 13 23-0027	LF	48" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	145.03	22.16
33 11 13 23-0028		AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe *(33 11 13 23-0001)*		
33 11 13 23-0029	LF	14" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	28.68	10.08
33 11 13 23-0030	LF	16" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	33.88	10.91
33 11 13 23-0031	LF	18" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	39.22	11.75
33 11 13 23-0032	LF	20" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	45.74	12.76
33 11 13 23-0033	LF	24" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	58.47	14.10
33 11 13 23-0034	LF	30" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	82.35	17.21
33 11 13 23-0035	LF	36" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	107.04	18.22
33 11 13 23-0036	LF	42" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	138.43	19.72
33 11 13 23-0037	LF	48" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	174.45	22.16
33 11 13 23-0038		AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe *(33 11 13 23-0001)*		
33 11 13 23-0039	LF	14" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	31.41	10.08
33 11 13 23-0040	LF	16" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	37.67	10.91
33 11 13 23-0041	LF	18" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	43.92	11.75
33 11 13 23-0042	LF	20" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	51.84	12.76
33 11 13 23-0043	LF	24" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	67.23	14.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 23-0044	LF	30" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	95.51	17.21
33 11 13 23-0045	LF	36" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	126.25	18.22
33 11 13 23-0046	LF	42" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	161.19	19.72
33 11 13 23-0047	LF	48" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	204.14	22.16
33 11 13 23-0048		AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe *(33 11 13 23-0001)*		
33 11 13 23-0049	LF	14" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	36.07	10.08
33 11 13 23-0050	LF	16" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	43.21	10.91
33 11 13 23-0051	LF	18" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	51.05	11.75
33 11 13 23-0052	LF	20" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	60.45	12.76
33 11 13 23-0053	LF	24" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	79.65	14.10
33 11 13 23-0054	LF	30" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	114.99	17.21
33 11 13 23-0055	LF	36" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	156.21	18.22
33 11 13 23-0056	LF	42" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	205.12	19.72
33 11 13 23-0057	LF	48" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	263.09	22.16
33 11 13 23-0058		AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe *(33 11 13 23-0001)*		
33 11 13 23-0059	LF	14" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	39.57	10.08
33 11 13 23-0060	LF	16" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	47.76	10.91
33 11 13 23-0061	LF	18" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	56.80	11.75
33 11 13 23-0062	LF	20" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	67.61	12.76
33 11 13 23-0063	LF	24" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	89.94	14.10
33 11 13 23-0064	LF	30" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	130.83	17.21
33 11 13 23-0065	LF	36" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	179.35	18.22
33 11 13 23-0066	LF	42" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	236.85	19.72
33 11 13 23-0067		AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe *(33 11 13 23-0001)*		
33 11 13 23-0068	LF	14" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	42.98	10.08
33 11 13 23-0069	LF	16" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	52.20	10.91
33 11 13 23-0070	LF	18" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	62.39	11.75
33 11 13 23-0071	LF	20" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	74.58	12.76
33 11 13 23-0072	LF	24" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	99.96	14.10
33 11 13 23-0073	LF	30" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	146.25	17.21
33 11 13 23-0074	LF	36" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	201.88	18.22
33 11 13 23-0075		AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) Fittings *(33 11 13 23)*		
		Note: Includes rubber gaskets.		
33 11 13 23-0076		90 Degree Elbows, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) *(33 11 13 23-0075)*		
33 11 13 23-0077	EA	4" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	103.06	9.09
		For DR 25, Deduct	*-5.09*	
33 11 13 23-0078	EA	6" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	205.72	10.24
		For DR 25, Deduct	*-11.12*	
33 11 13 23-0079	EA	8" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	306.49	11.37
		For DR 25, Deduct	*-17.03*	
33 11 13 23-0080	EA	10" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	468.26	17.94
		For DR 25, Deduct	*-25.94*	
33 11 13 23-0081	EA	12" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	531.48	29.91
		For DR 25, Deduct	*-28.30*	
33 11 13 23-0082	EA	14" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	916.59	37.39
		For DR 25, Deduct	*-50.51*	
33 11 13 23-0083	EA	16" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,093.99	44.87
		For DR 25, Deduct	*-60.25*	
33 11 13 23-0084	EA	18" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,866.61	59.83
		For DR 25, Deduct	*-104.82*	
33 11 13 23-0085	EA	20" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,298.56	74.78
		For DR 25, Deduct	*-128.94*	
33 11 13 23-0086	EA	24" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,801.23	100.95
		For DR 25, Deduct	*-215.96*	
33 11 13 23-0087		45 Degree Elbows, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) *(33 11 13 23-0075)*		
33 11 13 23-0088	EA	4" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	91.97	9.09
		For DR 25, Deduct	*-4.43*	
33 11 13 23-0089	EA	6" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	155.46	10.24
		For DR 25, Deduct	*-8.10*	
33 11 13 23-0090	EA	8" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	195.99	11.37
		For DR 25, Deduct	*-10.40*	
33 11 13 23-0091	EA	10" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	278.25	17.94
		For DR 25, Deduct	*-14.54*	
33 11 13 23-0092	EA	12" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	375.68	29.91
		For DR 25, Deduct	*-18.95*	
33 11 13 23-0093	EA	14" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	709.77	37.39
		For DR 25, Deduct	*-38.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 23-0094	EA	16" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	898.05	44.87
		For DR 25, Deduct	*-48.50*	
33 11 13 23-0095	EA	18" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,539.01	59.83
		For DR 25, Deduct	*-85.16*	
33 11 13 23-0096	EA	20" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,911.82	74.78
		For DR 25, Deduct	*-105.74*	
33 11 13 23-0097	EA	24" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,695.13	100.95
		For DR 25, Deduct	*-149.59*	
33 11 13 23-0098		**22-1/2 Degree Elbows, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)** *(33 11 13 23-0075)*		
33 11 13 23-0099	EA	4" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	90.63	9.09
		For DR 25, Deduct	*-4.35*	
33 11 13 23-0100	EA	6" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	155.46	10.24
		For DR 25, Deduct	*-8.10*	
33 11 13 23-0101	EA	8" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	196.00	11.37
		For DR 25, Deduct	*-10.40*	
33 11 13 23-0102	EA	10" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	278.26	17.94
		For DR 25, Deduct	*-14.54*	
33 11 13 23-0103	EA	12" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	375.69	29.91
		For DR 25, Deduct	*-18.95*	
33 11 13 23-0104	EA	14" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	706.76	35.90
		For DR 25, Deduct	*-38.10*	
33 11 13 23-0105	EA	16" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	898.03	44.87
		For DR 25, Deduct	*-48.50*	
33 11 13 23-0106	EA	18" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,539.01	59.83
		For DR 25, Deduct	*-85.16*	
33 11 13 23-0107	EA	20" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,911.82	74.78
		For DR 25, Deduct	*-105.74*	
33 11 13 23-0108	EA	24" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,695.13	100.95
		For DR 25, Deduct	*-149.59*	
33 11 13 23-0109		**11-1/4 Degree Elbows, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)** *(33 11 13 23-0075)*		
33 11 13 23-0110	EA	4" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	80.71	9.09
		For DR 25, Deduct	*-3.75*	
33 11 13 23-0111	EA	6" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	155.46	10.24
		For DR 25, Deduct	*-8.10*	
33 11 13 23-0112	EA	8" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	196.00	11.37
		For DR 25, Deduct	*-10.40*	
33 11 13 23-0113	EA	10" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	278.26	17.94
		For DR 25, Deduct	*-14.54*	
33 11 13 23-0114	EA	12" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	375.69	29.91
		For DR 25, Deduct	*-18.95*	
33 11 13 23-0115	EA	14" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	706.76	35.90
		For DR 25, Deduct	*-38.10*	
33 11 13 23-0116	EA	16" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	898.03	44.87
		For DR 25, Deduct	*-48.50*	
33 11 13 23-0117	EA	18" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,539.01	59.83
		For DR 25, Deduct	*-85.16*	
33 11 13 23-0118	EA	20" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,911.82	74.78
		For DR 25, Deduct	*-105.74*	
33 11 13 23-0119	EA	24" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,695.13	100.95
		For DR 25, Deduct	*-149.59*	
33 11 13 23-0120		**Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)** *(33 11 13 23-0075)*		
33 11 13 23-0121	EA	4" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	122.12	10.24
		For DR 25, Deduct	*-6.10*	
33 11 13 23-0122	EA	6" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	230.56	11.37
		For DR 25, Deduct	*-12.47*	
33 11 13 23-0123	EA	8" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	319.85	12.89
		For DR 25, Deduct	*-17.64*	
33 11 13 23-0124	EA	10" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	656.68	22.44
		For DR 25, Deduct	*-36.71*	
33 11 13 23-0125	EA	12" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	812.39	44.87
		For DR 25, Deduct	*-43.36*	
33 11 13 23-0126	EA	14" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,451.69	56.09
		For DR 25, Deduct	*-80.37*	
33 11 13 23-0127	EA	16" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,796.73	67.31
		For DR 25, Deduct	*-99.73*	
33 11 13 23-0128	EA	18" Tee, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,270.04	89.73
		For DR 25, Deduct	*-125.43*	
33 11 13 23-0129	EA	20" Tee, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,728.77	112.17
		For DR 25, Deduct	*-150.27*	
33 11 13 23-0130	EA	24" Tee, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,695.47	76.28
		For DR 25, Deduct	*-212.58*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 23-0131		Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) *(33 11 13 23-0075)*		
33 11 13 23-0132	EA	6" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	231.75	14.78
		For DR 25, Deduct	*-12.13*	
33 11 13 23-0133	EA	8" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	312.59	15.92
		For DR 25, Deduct	*-16.85*	
33 11 13 23-0134	EA	8" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	320.52	16.48
		For DR 25, Deduct	*-17.25*	
33 11 13 23-0135	EA	10" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,099.53	22.44
		For DR 25, Deduct	*-183.28*	
33 11 13 23-0136	EA	10" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	559.35	23.00
		For DR 25, Deduct	*-30.80*	
33 11 13 23-0137	EA	10" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	597.73	23.55
		For DR 25, Deduct	*-33.04*	
33 11 13 23-0138	EA	12" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	639.57	34.40
		For DR 25, Deduct	*-34.25*	
33 11 13 23-0139	EA	12" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	731.34	34.96
		For DR 25, Deduct	*-39.69*	
33 11 13 23-0140	EA	12" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	774.90	35.52
		For DR 25, Deduct	*-42.23*	
33 11 13 23-0141	EA	12" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	791.17	38.89
		For DR 25, Deduct	*-42.80*	
33 11 13 23-0142	EA	14" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,189.92	40.38
		For DR 25, Deduct	*-66.55*	
33 11 13 23-0143	EA	14" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,237.13	40.94
		For DR 25, Deduct	*-69.31*	
33 11 13 23-0144	EA	14" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,284.45	41.51
		For DR 25, Deduct	*-72.09*	
33 11 13 23-0145	EA	14" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,337.09	44.87
		For DR 25, Deduct	*-74.84*	
33 11 13 23-0146	EA	14" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,395.17	50.85
		For DR 25, Deduct	*-77.61*	
33 11 13 23-0147	EA	16" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,484.35	49.35
		For DR 25, Deduct	*-83.14*	
33 11 13 23-0148	EA	16" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,530.41	49.35
		For DR 25, Deduct	*-85.90*	
33 11 13 23-0149	EA	16" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,577.61	49.92
		For DR 25, Deduct	*-88.67*	
33 11 13 23-0150	EA	16" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,624.81	50.48
		For DR 25, Deduct	*-91.43*	
33 11 13 23-0151	EA	16" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,689.58	59.83
		For DR 25, Deduct	*-94.20*	
33 11 13 23-0152	EA	16" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,741.64	62.82
		For DR 25, Deduct	*-96.96*	
33 11 13 23-0153	EA	18" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,836.46	64.31
		For DR 25, Deduct	*-102.47*	
33 11 13 23-0154	EA	18" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,883.99	64.87
		For DR 25, Deduct	*-105.25*	
33 11 13 23-0155	EA	18" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,931.19	65.44
		For DR 25, Deduct	*-108.02*	
33 11 13 23-0156	EA	18" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,983.99	68.80
		For DR 25, Deduct	*-110.78*	
33 11 13 23-0157	EA	18" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,042.02	74.78
		For DR 25, Deduct	*-113.55*	
33 11 13 23-0158	EA	18" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,093.77	77.77
		For DR 25, Deduct	*-116.29*	
33 11 13 23-0159	EA	18" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,159.96	82.25
		For DR 25, Deduct	*-119.73*	
33 11 13 23-0160	EA	20" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,327.78	79.27
		For DR 25, Deduct	*-130.15*	
33 11 13 23-0161	EA	20" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,407.58	79.83
		For DR 25, Deduct	*-134.88*	
33 11 13 23-0162	EA	20" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,439.20	80.39
		For DR 25, Deduct	*-136.71*	
33 11 13 23-0163	EA	20" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,476.47	83.76
		For DR 25, Deduct	*-138.54*	
33 11 13 23-0164	EA	20" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,518.96	89.73
		For DR 25, Deduct	*-140.37*	
33 11 13 23-0165	EA	20" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,574.41	92.73
		For DR 25, Deduct	*-143.34*	
33 11 13 23-0166	EA	20" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,632.86	97.21
		For DR 25, Deduct	*-146.31*	
33 11 13 23-0167	EA	20" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,680.81	104.69
		For DR 25, Deduct	*-148.29*	
33 11 13 23-0168	EA	24" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,748.31	105.44
		For DR 25, Deduct	*-152.25*	
33 11 13 23-0169	EA	24" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,782.43	106.01
		For DR 25, Deduct	*-154.23*	
33 11 13 23-0170	EA	24" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,816.56	106.56
		For DR 25, Deduct	*-156.21*	
33 11 13 23-0171	EA	24" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,957.50	109.92
		For DR 25, Deduct	*-164.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 23-0172	EA	24" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,103.66	115.91
		For DR 25, Deduct	*-172.31*	
33 11 13 23-0173	EA	24" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,243.86	118.91
		For DR 25, Deduct	*-180.36*	
33 11 13 23-0174	EA	24" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,387.04	123.39
		For DR 25, Deduct	*-188.42*	
33 11 13 23-0175	EA	24" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,536.22	130.87
		For DR 25, Deduct	*-196.47*	
33 11 13 23-0176	EA	24" x 20" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,685.39	138.34
		For DR 25, Deduct	*-204.52*	
33 11 13 23-0177		Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) *(33 11 13 23-0075)*		
33 11 13 23-0178	EA	4" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	171.92	18.19
		For DR 25, Deduct	*-8.13*	
33 11 13 23-0179	EA	6" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	301.05	20.46
		For DR 25, Deduct	*-15.61*	
33 11 13 23-0180	EA	8" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	413.25	22.74
		For DR 25, Deduct	*-22.07*	
33 11 13 23-0181	EA	10" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	836.24	35.90
		For DR 25, Deduct	*-45.87*	
33 11 13 23-0182	EA	12" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	993.24	44.87
		For DR 25, Deduct	*-54.21*	
33 11 13 23-0183	EA	14" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,794.15	59.83
		For DR 25, Deduct	*-100.47*	
33 11 13 23-0184	EA	16" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,226.83	74.78
		For DR 25, Deduct	*-124.64*	
33 11 13 23-0185	EA	18" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,852.89	119.65
		For DR 25, Deduct	*-156.82*	
33 11 13 23-0186	EA	20" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,429.71	149.56
		For DR 25, Deduct	*-187.83*	
33 11 13 23-0187	EA	24" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	4,832.20	201.91
		For DR 25, Deduct	*-265.70*	
33 11 13 23-0188		Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) *(33 11 13 23-0075)*		
33 11 13 23-0189	EA	6" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	291.60	19.33
		For DR 25, Deduct	*-15.18*	
33 11 13 23-0190	EA	8" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	392.30	20.46
		For DR 25, Deduct	*-21.08*	
33 11 13 23-0191	EA	8" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	402.73	21.59
		For DR 25, Deduct	*-21.57*	
33 11 13 23-0192	EA	10" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	600.28	26.92
		For DR 25, Deduct	*-32.79*	
33 11 13 23-0193	EA	10" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	697.87	28.04
		For DR 25, Deduct	*-38.51*	
33 11 13 23-0194	EA	10" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	765.61	29.16
		For DR 25, Deduct	*-42.44*	
33 11 13 23-0195	EA	12" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	791.46	38.89
		For DR 25, Deduct	*-42.82*	
33 11 13 23-0196	EA	12" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	906.76	40.00
		For DR 25, Deduct	*-49.60*	
33 11 13 23-0197	EA	12" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	962.05	41.13
		For DR 25, Deduct	*-52.79*	
33 11 13 23-0198	EA	12" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	987.40	47.86
		For DR 25, Deduct	*-53.50*	
33 11 13 23-0199	EA	14" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,476.18	44.87
		For DR 25, Deduct	*-83.19*	
33 11 13 23-0200	EA	14" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,535.85	45.99
		For DR 25, Deduct	*-86.63*	
33 11 13 23-0201	EA	14" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,596.15	47.11
		For DR 25, Deduct	*-90.12*	
33 11 13 23-0202	EA	14" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,667.44	53.84
		For DR 25, Deduct	*-93.59*	
33 11 13 23-0203	EA	14" x 12" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,748.75	65.80
		For DR 25, Deduct	*-97.03*	
33 11 13 23-0204	EA	16" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,839.45	53.84
		For DR 25, Deduct	*-103.91*	
33 11 13 23-0205	EA	16" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,899.88	54.96
		For DR 25, Deduct	*-107.40*	
33 11 13 23-0206	EA	16" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,959.70	56.09
		For DR 25, Deduct	*-110.85*	
33 11 13 23-0207	EA	16" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,030.92	62.82
		For DR 25, Deduct	*-114.32*	
33 11 13 23-0208	EA	16" x 12" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,071.21	74.78
		For DR 25, Deduct	*-115.30*	
33 11 13 23-0209	EA	16" x 14" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,181.70	80.76
		For DR 25, Deduct	*-121.21*	
33 11 13 23-0210	EA	18" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,272.68	68.80
		For DR 25, Deduct	*-128.11*	
33 11 13 23-0211	EA	18" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,332.99	69.92
		For DR 25, Deduct	*-131.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 23-0212	EA	18" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,392.89	71.05
		For DR 25, Deduct	*-135.05*	
33 11 13 23-0213	EA	18" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,463.26	77.77
		For DR 25, Deduct	*-138.46*	
33 11 13 23-0214	EA	18" x 12" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,545.25	89.73
		For DR 25, Deduct	*-141.95*	
33 11 13 23-0215	EA	18" x 14" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,614.60	95.72
		For DR 25, Deduct	*-145.39*	
33 11 13 23-0216	EA	18" x 16" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,703.96	104.69
		For DR 25, Deduct	*-149.67*	
33 11 13 23-0217	EA	20" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,879.33	83.76
		For DR 25, Deduct	*-162.71*	
33 11 13 23-0218	EA	20" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,979.76	84.88
		For DR 25, Deduct	*-168.60*	
33 11 13 23-0219	EA	20" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,020.42	85.99
		For DR 25, Deduct	*-170.91*	
33 11 13 23-0220	EA	20" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,071.88	92.73
		For DR 25, Deduct	*-173.19*	
33 11 13 23-0221	EA	20" x 12" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,133.82	104.69
		For DR 25, Deduct	*-175.47*	
33 11 13 23-0222	EA	20" x 14" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,207.19	110.68
		For DR 25, Deduct	*-179.15*	
33 11 13 23-0223	EA	20" x 16" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,287.78	119.65
		For DR 25, Deduct	*-182.91*	
33 11 13 23-0224	EA	20" x 18" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,358.83	134.61
		For DR 25, Deduct	*-185.38*	
33 11 13 23-0225	EA	24" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,373.31	109.92
		For DR 25, Deduct	*-189.21*	
33 11 13 23-0226	EA	24" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,435.33	111.05
		For DR 25, Deduct	*-192.79*	
33 11 13 23-0227	EA	24" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,479.00	112.17
		For DR 25, Deduct	*-195.28*	
33 11 13 23-0228	EA	24" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,660.03	118.91
		For DR 25, Deduct	*-205.33*	
33 11 13 23-0229	EA	24" x 12" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,851.59	130.87
		For DR 25, Deduct	*-215.39*	
33 11 13 23-0230	EA	24" x 14" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	4,031.16	136.85
		For DR 25, Deduct	*-225.45*	
33 11 13 23-0231	EA	24" x 16" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	4,217.42	145.82
		For DR 25, Deduct	*-235.55*	
33 11 13 23-0232	EA	24" x 18" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	4,414.57	160.78
		For DR 25, Deduct	*-245.58*	
33 11 13 23-0233	EA	24" x 20" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	4,612.45	175.74
		For DR 25, Deduct	*-255.66*	

33 11 13 23-0234 Couplings, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) *(33 11 13 23-0075)*

33 11 13 23-0235	EA	4" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	63.90	9.09
		For DR 25, Deduct	*-2.74*	
33 11 13 23-0236	EA	6" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	114.80	10.24
		For DR 25, Deduct	*-5.66*	
33 11 13 23-0237	EA	8" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	137.58	11.37
		For DR 25, Deduct	*-6.89*	
33 11 13 23-0238	EA	10" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	196.55	17.94
		For DR 25, Deduct	*-9.64*	
33 11 13 23-0239	EA	12" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	308.84	22.44
		For DR 25, Deduct	*-15.84*	
33 11 13 23-0240	EA	14" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	530.21	29.91
		For DR 25, Deduct	*-28.22*	
33 11 13 23-0241	EA	16" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	629.31	37.39
		For DR 25, Deduct	*-33.27*	
33 11 13 23-0242	EA	18" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,488.04	59.83
		For DR 25, Deduct	*-82.10*	
33 11 13 23-0243	EA	20" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,673.00	74.78
		For DR 25, Deduct	*-91.41*	
33 11 13 23-0244	EA	24" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,352.92	100.95
		For DR 25, Deduct	*-129.06*	

33 11 13 23-0245 Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) *(33 11 13 23-0075)*

33 11 13 23-0246	EA	4" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	77.81	9.09
		For DR 25, Deduct	*-3.58*	
33 11 13 23-0247	EA	6" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	104.36	10.24
		For DR 25, Deduct	*-5.03*	
33 11 13 23-0248	EA	8" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	149.48	11.37
		For DR 25, Deduct	*-7.60*	
33 11 13 23-0249	EA	10" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	205.83	17.94
		For DR 25, Deduct	*-10.20*	
33 11 13 23-0250	EA	12" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	330.56	29.91
		For DR 25, Deduct	*-16.24*	
33 11 13 23-0251	EA	14" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	850.29	35.90
		For DR 25, Deduct	*-46.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 23-0252	EA	16" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,148.68	44.87
		For DR 25, Deduct	*-63.54*	
33 11 13 23-0253	EA	18" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,418.18	59.83
		For DR 25, Deduct	*-77.91*	
33 11 13 23-0254	EA	20" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,696.39	74.78
		For DR 25, Deduct	*-92.81*	
33 11 13 23-0255	EA	24" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,304.10	100.95
		For DR 25, Deduct	*-126.13*	

33 11 13 23-0256 Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Piping *(33 11 13 23)*

33 11 13 23-0257 Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe *(33 11 13 23-0256)*

33 11 13 23-0258	LF	3/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	1.67	0.61
		For >1,000, Deduct	*-0.08*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.04*	
33 11 13 23-0259	LF	1" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	1.83	0.65
		For >1,000, Deduct	*-0.09*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.05*	
33 11 13 23-0260	LF	1-1/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	2.09	0.71
		For >1,000, Deduct	*-0.10*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.08*	
33 11 13 23-0261	LF	1-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	2.39	0.79
		For >1,000, Deduct	*-0.12*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.11*	
33 11 13 23-0262	LF	2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	2.98	0.88
		For >1,000, Deduct	*-0.15*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.20*	
33 11 13 23-0263	LF	2-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	3.74	1.00
		For >1,000, Deduct	*-0.19*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.31*	
33 11 13 23-0264	LF	3" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	4.55	1.14
		For >1,000, Deduct	*-0.23*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.42*	
33 11 13 23-0265	LF	4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	6.29	1.41
		For >1,000, Deduct	*-0.31*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.69*	
33 11 13 23-0266	LF	6" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	10.50	1.79
		For >1,000, Deduct	*-0.53*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*1.51*	
33 11 13 23-0267	LF	8" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	16.20	2.39
		For >1,000, Deduct	*-0.81*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*2.56*	
33 11 13 23-0268	LF	10" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	23.89	3.20
		For >1,000, Deduct	*-1.19*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*3.97*	
33 11 13 23-0269	LF	12" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	33.16	4.30
		For >1,000, Deduct	*-1.66*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*5.60*	

33 11 13 23-0270 90 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC) *(33 11 13 23-0256)*

33 11 13 23-0271	EA	3/4" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	18.36	7.28
33 11 13 23-0272	EA	1" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	23.15	9.09
33 11 13 23-0273	EA	1-1/4" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	29.09	11.37
33 11 13 23-0274	EA	1-1/2" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	40.27	12.58
33 11 13 23-0275	EA	2" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	43.90	14.09
33 11 13 23-0276	EA	2-1/2" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	51.47	15.99
33 11 13 23-0277	EA	3" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	58.67	18.33
33 11 13 23-0278	EA	4" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	79.12	22.52
33 11 13 23-0279	EA	6" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	110.88	28.60
33 11 13 23-0280	EA	8" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	172.49	37.55
33 11 13 23-0281	EA	10" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	215.36	50.23
33 11 13 23-0282	EA	12" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	285.64	67.61

33 11 13 23-0283 45 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC) *(33 11 13 23-0256)*

33 11 13 23-0284	EA	3/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	18.59	7.28
33 11 13 23-0285	EA	1" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	23.32	9.09
33 11 13 23-0286	EA	1-1/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	29.19	11.37
33 11 13 23-0287	EA	1-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	37.19	12.58
33 11 13 23-0288	EA	2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	44.19	14.09
33 11 13 23-0289	EA	2-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	52.64	15.99
33 11 13 23-0290	EA	3" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	58.18	18.33
33 11 13 23-0291	EA	4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	78.06	22.52
33 11 13 23-0292	EA	6" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	108.74	28.60
33 11 13 23-0293	EA	8" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	168.40	37.55
33 11 13 23-0294	EA	10" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	198.43	50.23
33 11 13 23-0295	EA	12" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	262.21	67.61

33 11 13 23-0296 Tees Or Wyes, Class 200, SDR 21 Polyvinyl Chloride (PVC) *(33 11 13 23-0256)*

33 11 13 23-0297	EA	3/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	27.52	10.91

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 23-0298	EA	1" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	34.68	13.72
33 11 13 23-0299	EA	1-1/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	43.42	17.13
33 11 13 23-0300	EA	1-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	56.61	18.94
33 11 13 23-0301	EA	2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	64.11	21.07
33 11 13 23-0302	EA	2-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	74.21	24.02
33 11 13 23-0303	EA	3" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	89.32	27.43
33 11 13 23-0304	EA	4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	115.53	33.80
33 11 13 23-0305	EA	6" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	181.12	42.97
33 11 13 23-0306	EA	8" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	265.03	56.32
33 11 13 23-0307	EA	10" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	317.34	76.80
33 11 13 23-0308	EA	12" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	402.28	103.34
33 11 13 23-0309		**Couplings, Class 200, SDR 21 Polyvinyl Chloride (PVC)** *(33 11 13 23-0256)*		
33 11 13 23-0310	EA	3/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	12.28	4.85
33 11 13 23-0311	EA	1" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	16.54	6.52
33 11 13 23-0312	EA	1-1/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	21.98	8.56
33 11 13 23-0313	EA	1-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	28.80	9.48
33 11 13 23-0314	EA	2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	31.84	10.53
33 11 13 23-0315	EA	2-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	36.22	11.98
33 11 13 23-0316	EA	3" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	42.08	13.71
33 11 13 23-0317	EA	4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	56.22	16.87
33 11 13 23-0318	EA	6" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	78.24	21.49
33 11 13 23-0319	EA	8" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	126.35	28.15
33 11 13 23-0320	EA	10" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	152.03	38.44
33 11 13 23-0321	EA	12" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	195.79	51.67
33 11 13 23-0322		**Schedule 40 Polyvinyl Chloride (PVC) Pipe And Fittings** *(33 11 13 23)*		
33 11 13 23-0323		**Schedule 40 Polyvinyl Chloride (PVC) Pipe** *(33 11 13 23-0322)*		
33 11 13 23-0324	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe	1.79	0.61
		For >1,000, Deduct	*-0.09*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.07*	
33 11 13 23-0325	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pipe	2.05	0.65
		For >1,000, Deduct	*-0.10*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.11*	
33 11 13 23-0326	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	2.60	0.79
		For >1,000, Deduct	*-0.13*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.16*	
33 11 13 23-0327	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	3.06	0.88
		For >1,000, Deduct	*-0.15*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.22*	
33 11 13 23-0328	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	3.87	1.00
		For >1,000, Deduct	*-0.19*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.34*	
33 11 13 23-0329	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Pipe	4.63	1.14
		For >1,000, Deduct	*-0.23*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.44*	
33 11 13 23-0330	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Pipe	6.07	1.41
		For >1,000, Deduct	*-0.30*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.64*	
33 11 13 23-0331	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Pipe	8.92	1.79
		For >1,000, Deduct	*-0.45*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*1.11*	
33 11 13 23-0332		**90 Degree Elbows, Schedule 40 Polyvinyl Chloride (PVC)** *(33 11 13 23-0322)*		
33 11 13 23-0333	EA	3/4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	18.44	7.28
33 11 13 23-0334	EA	1" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	23.20	9.09
33 11 13 23-0335	EA	1-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	32.21	12.58
33 11 13 23-0336	EA	2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	36.24	14.09
33 11 13 23-0337	EA	2-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	42.86	15.99
33 11 13 23-0338	EA	3" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	49.25	18.33
33 11 13 23-0339	EA	4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	63.36	22.52
33 11 13 23-0340	EA	6" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	94.00	28.60
33 11 13 23-0341		**45 Degree Elbows, Schedule 40 Polyvinyl Chloride (PVC)** *(33 11 13 23-0322)*		
33 11 13 23-0342	EA	3/4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	18.42	7.28
33 11 13 23-0343	EA	1" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	23.18	9.09
33 11 13 23-0344	EA	1-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	32.21	12.58
33 11 13 23-0345	EA	2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	36.16	14.09
33 11 13 23-0346	EA	2-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	42.64	15.99
33 11 13 23-0347	EA	3" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	49.00	18.33
33 11 13 23-0348	EA	4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	62.84	22.52
33 11 13 23-0349	EA	6" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	92.34	28.60
33 11 13 23-0350		**Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)** *(33 11 13 23-0322)*		
33 11 13 23-0351	EA	3/4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	27.61	10.91
33 11 13 23-0352	EA	1" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	34.75	13.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 23-0353	EA	1-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	48.20	18.94
33 11 13 23-0354	EA	2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	54.08	21.07
33 11 13 23-0355	EA	2-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	64.44	24.02
33 11 13 23-0356	EA	3" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	74.94	27.43
33 11 13 23-0357	EA	4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	92.91	33.80
33 11 13 23-0358	EA	6" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	142.59	42.97
33 11 13 23-0359		**Couplings, Schedule 40 Polyvinyl Chloride (PVC)** *(33 11 13 23-0322)*		
33 11 13 23-0360	EA	3/4" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	12.32	4.85
33 11 13 23-0361	EA	1" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	16.58	6.52
33 11 13 23-0362	EA	1-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	24.05	9.48
33 11 13 23-0363	EA	2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	27.03	10.53
33 11 13 23-0364	EA	2-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	31.44	11.98
33 11 13 23-0365	EA	3" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	36.55	13.71
33 11 13 23-0366	EA	4" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	45.19	16.87
33 11 13 23-0367	EA	6" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	63.91	21.49
33 11 13 23-0368		**Crosses, Schedule 40 Polyvinyl Chloride (PVC)** *(33 11 13 23-0322)*		
33 11 13 23-0369	EA	3/4" Cross, Schedule 40 Polyvinyl Chloride (PVC)	36.89	14.55
33 11 13 23-0370	EA	1" Cross, Schedule 40 Polyvinyl Chloride (PVC)	46.27	18.26
33 11 13 23-0371	EA	1-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	64.26	25.24
33 11 13 23-0372	EA	2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	72.10	28.11
33 11 13 23-0373	EA	2-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	85.88	31.98
33 11 13 23-0374	EA	3" Cross, Schedule 40 Polyvinyl Chloride (PVC)	99.87	36.59
33 11 13 23-0375	EA	4" Cross, Schedule 40 Polyvinyl Chloride (PVC)	123.84	45.02
33 11 13 23-0376	EA	6" Cross, Schedule 40 Polyvinyl Chloride (PVC)	189.91	57.27
33 11 13 23-0377		**Schedule 80 Polyvinyl Chloride (PVC) Pipe And Fittings** *(33 11 13 23)*		
33 11 13 23-0378		**Schedule 80 Polyvinyl Chloride (PVC) Pipe** *(33 11 13 23-0377)*		
33 11 13 23-0379	LF	1" Schedule 80 Polyvinyl Chloride (PVC) Pipe	2.18	0.65
		For >1,000, Deduct	*-0.11*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.14*	
33 11 13 23-0380	LF	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	2.86	0.79
		For >1,000, Deduct	*-0.14*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.22*	
33 11 13 23-0381	LF	2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	3.50	0.88
		For >1,000, Deduct	*-0.18*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.33*	
33 11 13 23-0382	LF	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	4.43	1.00
		For >1,000, Deduct	*-0.22*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.48*	
33 11 13 23-0383	LF	3" Schedule 80 Polyvinyl Chloride (PVC) Pipe	5.43	1.14
		For >1,000, Deduct	*-0.27*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.64*	
33 11 13 23-0384	LF	4" Schedule 80 Polyvinyl Chloride (PVC) Pipe	7.29	1.41
		For >1,000, Deduct	*-0.36*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.94*	
33 11 13 23-0385	LF	6" Schedule 80 Polyvinyl Chloride (PVC) Pipe	11.64	1.79
		For >1,000, Deduct	*-0.58*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*1.79*	
33 11 13 23-0386		**90 Degree Elbows, Schedule 80 Polyvinyl Chloride (PVC)** *(33 11 13 23-0377)*		
33 11 13 23-0387	EA	1" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	23.87	9.09
33 11 13 23-0388	EA	1-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	32.21	12.58
33 11 13 23-0389	EA	2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	36.92	14.09
33 11 13 23-0390	EA	2-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	44.30	15.99
33 11 13 23-0391	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	50.59	18.33
33 11 13 23-0392	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	63.68	22.52
33 11 13 23-0393	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	92.48	28.60
33 11 13 23-0394		**45 Degree Elbows, Schedule 80 Polyvinyl Chloride (PVC)** *(33 11 13 23-0377)*		
33 11 13 23-0395	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	26.64	9.09
33 11 13 23-0396	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	34.87	12.58
33 11 13 23-0397	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	39.48	14.09
33 11 13 23-0398	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	49.11	15.99
33 11 13 23-0399	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	56.85	18.33
33 11 13 23-0400	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	76.27	22.52
33 11 13 23-0401	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	91.64	28.60
33 11 13 23-0402		**Tees Or Wyes, Schedule 80 Polyvinyl Chloride (PVC)** *(33 11 13 23-0377)*		
33 11 13 23-0403	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	36.17	13.72
33 11 13 23-0404	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	52.51	18.94
33 11 13 23-0405	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	59.21	21.07
33 11 13 23-0406	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	67.15	24.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 23-0407	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	77.53	27.43
33 11 13 23-0408	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	94.78	33.80
33 11 13 23-0409	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	142.52	42.97

33 11 13 23-0410 Couplings, Schedule 80 Polyvinyl Chloride (PVC) *(33 11 13 23-0377)*

33 11 13 23-0411	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Coupling	17.59	6.52
33 11 13 23-0412	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	25.79	9.48
33 11 13 23-0413	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	28.67	10.53
33 11 13 23-0414	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	35.65	11.98
33 11 13 23-0415	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Coupling	40.78	13.71
33 11 13 23-0416	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Coupling	50.34	16.87
33 11 13 23-0417	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Coupling	71.10	21.49

33 11 13 23-0418 Crosses, Schedule 80 Polyvinyl Chloride (PVC) *(33 11 13 23-0377)*

33 11 13 23-0419	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Cross	48.15	18.26
33 11 13 23-0420	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross	69.97	25.24
33 11 13 23-0421	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Cross	78.91	28.11
33 11 13 23-0422	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross	89.49	31.98
33 11 13 23-0423	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Cross	103.32	36.59
33 11 13 23-0424	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Cross	126.33	45.02
33 11 13 23-0425	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Cross	189.82	57.27

33 11 13 26 Galvanized Steel Public Water Utility Distribution Piping *(33 11 13)*

See CSI section 22 11 16 00-0013 for galvanized steel pipe.

33 11 13 36 Steel Public Water Utility Distribution Piping *(33 11 13)*

33 11 13 36-0001 Steel Piping *(33 11 13 36)*

33 11 13 36-0002 Welded, Plain End, Uncoated Steel Piping *(33 11 13 36-0001)*

Note: ASTM A252 steel pipe.

33 11 13 36-0003 Up To 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Piping *(33 11 13 36-0002)*

33 11 13 36-0004	LF	8" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	43.11	19.88
		For >1,000, Deduct	*-2.16*	
33 11 13 36-0005	LF	8" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	47.25	19.88
		For >1,000, Deduct	*-2.36*	
33 11 13 36-0006	LF	10" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	49.13	21.69
		For >1,000, Deduct	*-2.46*	
33 11 13 36-0007	LF	10" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	54.36	21.69
		For >1,000, Deduct	*-2.72*	
33 11 13 36-0008	LF	12" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	55.57	22.73
		For >1,000, Deduct	*-2.78*	
33 11 13 36-0009	LF	12" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	59.63	22.73
		For >1,000, Deduct	*-2.98*	
33 11 13 36-0010	LF	14" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	85.00	25.12
		For >1,000, Deduct	*-4.25*	
33 11 13 36-0011	LF	14" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	67.91	25.12
		For >1,000, Deduct	*-3.40*	
33 11 13 36-0012	LF	16" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	68.46	26.51
		For >1,000, Deduct	*-3.42*	
33 11 13 36-0013	LF	16" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	70.97	26.51
		For >1,000, Deduct	*-3.55*	
33 11 13 36-0014	LF	18" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	81.50	29.83
		For >1,000, Deduct	*-4.08*	
33 11 13 36-0015	LF	20" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	85.62	29.83
		For >1,000, Deduct	*-4.28*	

33 11 13 36-0016 5/16" To 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Piping *(33 11 13 36-0002)*

33 11 13 36-0017	LF	12" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	70.49	37.75
		For >1,000, Deduct	*-3.52*	
33 11 13 36-0018	LF	14" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	81.34	41.53
		For >1,000, Deduct	*-4.07*	
33 11 13 36-0019	LF	16" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	88.62	43.42
		For >1,000, Deduct	*-4.43*	
33 11 13 36-0020	LF	18" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	99.87	49.07
		For >1,000, Deduct	*-4.99*	
33 11 13 36-0021	LF	18" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	102.66	49.07
		For >1,000, Deduct	*-5.13*	
33 11 13 36-0022	LF	20" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	105.24	49.07
		For >1,000, Deduct	*-5.26*	
33 11 13 36-0023	LF	20" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	108.21	49.07
		For >1,000, Deduct	*-5.41*	
33 11 13 36-0024	LF	24" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	124.82	56.63
		For >1,000, Deduct	*-6.24*	
33 11 13 36-0025	LF	24" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	134.02	56.63
		For >1,000, Deduct	*-6.70*	
33 11 13 36-0026	LF	24" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	156.60	56.63
		For >1,000, Deduct	*-7.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 36-0027	LF	30" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	151.90	66.07
		For >1,000, Deduct	*-7.60*	
33 11 13 36-0028	LF	30" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	155.66	66.07
		For >1,000, Deduct	*-7.78*	
33 11 13 36-0029	LF	30" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	191.15	66.07
		For >1,000, Deduct	*-9.56*	
33 11 13 36-0030	LF	36" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	171.41	66.07
		For >1,000, Deduct	*-8.57*	
33 11 13 36-0031	LF	36" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	202.34	79.28
		For >1,000, Deduct	*-10.12*	
33 11 13 36-0032	LF	36" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	229.87	79.28
		For >1,000, Deduct	*-11.49*	
33 11 13 36-0033	LF	36" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	222.99	79.28
		For >1,000, Deduct	*-11.15*	
33 11 13 36-0034	LF	42" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	316.42	88.72
		For >1,000, Deduct	*-15.82*	
33 11 13 36-0035	LF	42" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	218.26	88.72
		For >1,000, Deduct	*-10.91*	
33 11 13 36-0036	LF	48" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	361.40	100.04
		For >1,000, Deduct	*-18.07*	
33 11 13 36-0037	LF	54" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	385.76	113.25
		For >1,000, Deduct	*-19.29*	
33 11 13 36-0038	LF	48" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	241.32	100.04
		For >1,000, Deduct	*-12.07*	
33 11 13 36-0039	LF	54" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	417.12	113.25
		For >1,000, Deduct	*-20.86*	
33 11 13 36-0040	LF	60" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	470.57	132.13
		For >1,000, Deduct	*-23.53*	
33 11 13 36-0041	LF	66" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	359.08	132.13
		For >1,000, Deduct	*-17.95*	
33 11 13 36-0042	LF	72" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	443.30	108.30
		For >1,000, Deduct	*-22.17*	
33 11 13 36-0043	LF	78" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	695.08	108.30
		For >1,000, Deduct	*-34.75*	

33 11 13 36-0044 Flexible Couplings (Dresser Style 38) *(33 11 13 36-0001)*

33 11 13 36-0045	EA	2" Dresser Coupling For Plain End Welded Steel Pipe	95.80	19.46
33 11 13 36-0046	EA	3" Dresser Coupling For Plain End Welded Steel Pipe	135.79	37.42
33 11 13 36-0047	EA	4" Dresser Coupling For Plain End Welded Steel Pipe	180.65	49.40
33 11 13 36-0048	EA	6" Dresser Coupling For Plain End Welded Steel Pipe	290.64	74.84
33 11 13 36-0049	EA	8" Dresser Coupling For Plain End Welded Steel Pipe	382.83	94.29
33 11 13 36-0050	EA	10" Dresser Coupling For Plain End Welded Steel Pipe	540.29	117.68
33 11 13 36-0051	EA	12" Dresser Coupling For Plain End Welded Steel Pipe	638.45	147.49
33 11 13 36-0052	EA	14" Dresser Coupling For Plain End Welded Steel Pipe	687.94	147.49
33 11 13 36-0053	EA	16" Dresser Coupling For Plain End Welded Steel Pipe	725.97	168.67
33 11 13 36-0054	EA	18" Dresser Coupling For Plain End Welded Steel Pipe	796.99	180.43
33 11 13 36-0055	EA	20" Dresser Coupling For Plain End Welded Steel Pipe	869.58	203.97
33 11 13 36-0056	EA	24" Dresser Coupling For Plain End Welded Steel Pipe	1,109.69	215.74
33 11 13 36-0057	EA	30" Dresser Coupling For Plain End Welded Steel Pipe	1,339.50	235.35
33 11 13 36-0058	EA	36" Dresser Coupling For Plain End Welded Steel Pipe	1,575.19	264.77
33 11 13 36-0059	EA	42" Dresser Coupling For Plain End Welded Steel Pipe	1,822.90	298.11
33 11 13 36-0060	EA	48" Dresser Coupling For Plain End Welded Steel Pipe	2,120.14	343.22
33 11 13 36-0061	EA	54" Dresser Coupling For Plain End Welded Steel Pipe	2,346.98	392.25
33 11 13 36-0062	EA	60" Dresser Coupling For Plain End Welded Steel Pipe	2,687.32	490.31
33 11 13 36-0063	EA	66" Dresser Coupling For Plain End Welded Steel Pipe	3,087.78	596.22
33 11 13 36-0064	EA	72" Dresser Coupling For Plain End Welded Steel Pipe	3,678.54	706.05

33 11 13 39 Copper Public Water Utility Distribution Piping *(33 11 13)*

33 11 13 39-0001 Type K Copper Water Distribution Piping *(33 11 13 39)*

See CSI section 23 05 23 00-0001 for gate valve at tap.

33 11 13 39-0002	LF	1/2" Type K Copper Water Distribution Pipe	5.18	1.45
33 11 13 39-0003	LF	3/4" Type K Copper Water Distribution Pipe	6.88	1.63
33 11 13 39-0004	LF	1" Type K Copper Water Distribution Pipe	8.83	1.81
33 11 13 39-0005	LF	1-1/4" Type K Copper Water Distribution Pipe	10.47	2.16
33 11 13 39-0006	LF	1-1/2" Type K Copper Water Distribution Pipe	13.19	2.88
33 11 13 39-0007	LF	2" Type K Copper Water Distribution Pipe	18.35	3.60
33 11 13 39-0008	LF	2-1/2" Type K Copper Water Distribution Pipe	26.59	4.33
33 11 13 39-0009	LF	3" Type K Copper Water Distribution Pipe	34.60	4.76
33 11 13 39-0010	LF	3-1/2" Type K Copper Water Distribution Pipe	45.73	5.98
33 11 13 39-0011	LF	4" Type K Copper Water Distribution Pipe	58.38	7.57
33 11 13 39-0012	LF	5" Type K Copper Water Distribution Pipe	130.67	9.45
33 11 13 39-0013	LF	6" Type K Copper Water Distribution Pipe	182.85	11.40
33 11 13 39-0014	LF	8" Type K Copper Water Distribution Pipe	323.91	12.76

33 11 13 43 Public Water Utility Distribution Piping Coatings And Wraps *(33 11 13)*

33 11 13 43-0001 Pipe Coatings *(33 11 13 43)*

33 11 13 43-0002 Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating *(33 11 13 43-0001)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 43-0003	LF	8" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	2.44	
33 11 13 43-0004	LF	10" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	2.91	
33 11 13 43-0005	LF	12" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	3.43	
33 11 13 43-0006	LF	14" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	4.56	
33 11 13 43-0007	LF	16" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	5.20	
33 11 13 43-0008	LF	18" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	5.47	
33 11 13 43-0009	LF	20" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	5.89	
33 11 13 43-0010	LF	24" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	6.86	
33 11 13 43-0011	LF	30" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	9.01	
33 11 13 43-0012	LF	36" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	14.23	
33 11 13 43-0013	LF	42" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	30.68	
33 11 13 43-0014	LF	48" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	35.07	
33 11 13 43-0015	LF	54" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	39.45	
33 11 13 43-0016	LF	60" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	43.83	
33 11 13 43-0017	LF	66" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	48.22	
33 11 13 43-0018	LF	72" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	52.58	
33 11 13 43-0019	LF	78" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	56.98	

33 11 13 43-0020 Cement Coating With Fiberglass Or Wire Mesh Reinforcing *(33 11 13 43-0001)*

Note: Applied at fabrication shop. Thickness ranging between 1" and 2".

33 11 13 43-0021	LF	4" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	6.21	
33 11 13 43-0022	LF	6" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	7.65	
33 11 13 43-0023	LF	8" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	9.56	
33 11 13 43-0024	LF	10" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	10.65	
33 11 13 43-0025	LF	12" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	12.03	
33 11 13 43-0026	LF	14" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	14.08	
33 11 13 43-0027	LF	16" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	15.99	
33 11 13 43-0028	LF	18" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	18.04	
33 11 13 43-0029	LF	20" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	20.05	
33 11 13 43-0030	LF	24" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	24.05	
33 11 13 43-0031	LF	30" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	30.07	
33 11 13 43-0032	LF	36" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	36.08	
33 11 13 43-0033	LF	42" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	25.10	
33 11 13 43-0034	LF	48" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	28.68	
33 11 13 43-0035	LF	54" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	32.27	
33 11 13 43-0036	LF	60" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	35.85	
33 11 13 43-0037	LF	66" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	39.44	
33 11 13 43-0038	LF	72" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	43.02	
33 11 13 43-0039	LF	78" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	46.61	

33 11 13 43-0040 Pipe Lining *(33 11 13 43)*

33 11 13 43-0041 Cement Pipe Lining *(33 11 13 43-0040)*

Note: Shop applied.

33 11 13 43-0042	LF	4" Outside Diameter, 1/4" Thick Cement Pipe Lining	9.57	
		For 1/2" Thick, Add	*0.83*	
33 11 13 43-0043	LF	6" Outside Diameter, 1/4" Thick Cement Pipe Lining	11.89	
		For 1/2" Thick, Add	*1.02*	
33 11 13 43-0044	LF	8" Outside Diameter, 1/4" Thick Cement Pipe Lining	14.51	
		For 1/2" Thick, Add	*1.27*	
33 11 13 43-0045	LF	10" Outside Diameter, 1/4" Thick Cement Pipe Lining	18.83	
		For 1/2" Thick, Add	*1.59*	
33 11 13 43-0046	LF	12" Outside Diameter, 1/4" Thick Cement Pipe Lining	23.14	
		For 1/2" Thick, Add	*1.92*	
33 11 13 43-0047	LF	14" Outside Diameter, 1/4" Thick Cement Pipe Lining	29.53	
		For 1/2" Thick, Add	*2.24*	
33 11 13 43-0048	LF	16" Outside Diameter, 1/4" Thick Cement Pipe Lining	38.18	
		For 1/2" Thick, Add	*2.55*	
33 11 13 43-0049	LF	18" Outside Diameter, 5/16" Thick Cement Pipe Lining	45.58	
		For 1/2" Thick, Add	*2.44*	
33 11 13 43-0050	LF	20" Outside Diameter, 5/16" Thick Cement Pipe Lining	54.98	
		For 1/2" Thick, Add	*2.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 43-0051	LF	24" Outside Diameter, 5/16" Thick Cement Pipe Lining	66.65	
		For 1/2" Thick, Add	*3.26*	
33 11 13 43-0052	LF	30" Outside Diameter, 5/16" Thick Cement Pipe Lining	80.26	
		For 1/2" Thick, Add	*4.07*	
33 11 13 43-0053	LF	36" Outside Diameter, 5/16" Thick Cement Pipe Lining	96.58	
		For 1/2" Thick, Add	*4.89*	
33 11 13 43-0054	LF	42" Outside Diameter, 3/8" Thick Cement Pipe Lining	112.72	
		For 1/2" Thick, Add	*4.19*	
33 11 13 43-0055	LF	48" Outside Diameter, 3/8" Thick Cement Pipe Lining	128.77	
		For 1/2" Thick, Add	*4.79*	
33 11 13 43-0056	LF	54" Outside Diameter, 3/8" Thick Cement Pipe Lining	144.89	
		For 1/2" Thick, Add	*5.39*	
33 11 13 43-0057	LF	60" Outside Diameter, 3/8" Thick Cement Pipe Lining	161.01	
		For 1/2" Thick, Add	*5.99*	
33 11 13 43-0058	LF	66" Outside Diameter, 7/16" Thick Cement Pipe Lining	177.06	
		For 1/2" Thick, Add	*3.51*	
33 11 13 43-0059	LF	72" Outside Diameter, 7/16" Thick Cement Pipe Lining	193.18	
		For 1/2" Thick, Add	*3.83*	
33 11 13 43-0060	LF	78" Outside Diameter, 7/16" Thick Cement Pipe Lining	209.30	
		For 1/2" Thick, Add	*4.15*	

33 11 13 43-0061 Cement Fitting Lining *(33 11 13 43-0040)*

Note: Shop applied.

33 11 13 43-0062	EA	4" Outside Diameter, 1/4" Thick Cement Fitting Lining	9.57	
		For 1/2" Thick, Add	*0.83*	
33 11 13 43-0063	EA	6" Outside Diameter, 1/4" Thick Cement Fitting Lining	11.89	
		For 1/2" Thick, Add	*1.02*	
33 11 13 43-0064	EA	8" Outside Diameter, 1/4" Thick Cement Fitting Lining	18.46	
		For 1/2" Thick, Add	*1.66*	
33 11 13 43-0065	EA	10" Outside Diameter, 1/4" Thick Cement Fitting Lining	30.39	
		For 1/2" Thick, Add	*2.55*	
33 11 13 43-0066	EA	12" Outside Diameter, 1/4" Thick Cement Fitting Lining	46.30	
		For 1/2" Thick, Add	*3.83*	
33 11 13 43-0067	EA	14" Outside Diameter, 1/4" Thick Cement Fitting Lining	68.53	
		For 1/2" Thick, Add	*5.16*	
33 11 13 43-0068	EA	16" Outside Diameter, 1/4" Thick Cement Fitting Lining	100.96	
		For 1/2" Thick, Add	*6.62*	
33 11 13 43-0069	EA	18" Outside Diameter, 5/16" Thick Cement Fittings Lining	136.75	
		For 1/2" Thick, Add	*7.33*	
33 11 13 43-0070	EA	20" Outside Diameter, 5/16" Thick Cement Fitting Lining	183.18	
		For 1/2" Thick, Add	*9.04*	
33 11 13 43-0071	EA	24" Outside Diameter, 5/16" Thick Cement Fitting Lining	266.62	
		For 1/2" Thick, Add	*13.03*	

33 11 13 43-0072 8 Mil Polyethylene Encasement Tubing *(33 11 13 43)*

Note: ANSI/AWWA C105/A21.5-99 section 4.2.

33 11 13 43-0073	LF	3" To 8" Diameter, 8 Mil Polyethylene Encasement Tubing	0.57
33 11 13 43-0074	LF	10" To 12" Diameter, 8 Mil Polyethylene Encasement Tubing	0.97
33 11 13 43-0075	LF	14" To 16" Diameter, 8 Mil Polyethylene Encasement Tubing	1.23
33 11 13 43-0076	LF	18" To 20" Diameter, 8 Mil Polyethylene Encasement Tubing	1.57
33 11 13 43-0077	LF	24" Diameter, 8 Mil Polyethylene Encasement Tubing	2.20
33 11 13 43-0078	LF	30" Diameter, 8 Mil Polyethylene Encasement Tubing	2.85
33 11 13 43-0079	LF	36" To 42" Diameter, 8 Mil Polyethylene Encasement Tubing	3.62
33 11 13 43-0080	LF	48" Diameter, 8 Mil Polyethylene Encasement Tubing	4.33
33 11 13 43-0081	LF	54" To 60" Diameter, 8 Mil Polyethylene Encasement Tubing	5.40

33 11 13 53 Public Water Utility Distribution Piping Saddles And Adapters *(33 11 13)*

33 11 13 53-0001 Double Stud Stainless Steel Service Saddles *(33 11 13 53)*

Note: 1/2" listed taps are compression, 3/4" to 2" are either compression or NPT.

33 11 13 53-0002	EA	4" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372-048004 To 048009)	194.16
33 11 13 53-0003	EA	4" Diameter x 1-1/4" Or 1-1/2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372-048010 To 048013)	270.17
33 11 13 53-0004	EA	4" Diameter x 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372-048014 To 048015)	288.04
33 11 13 53-0005	EA	6" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372-069004 To 069009)	235.07
33 11 13 53-0006	EA	6" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372-069010 To 069015)	298.21
33 11 13 53-0007	EA	8" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372-090504 To 090509)	245.13
33 11 13 53-0008	EA	8" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372-090510 To 090515)	311.99
33 11 13 53-0009	EA	10" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372-111004 To 111009)	277.54
33 11 13 53-0010	EA	10" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372-111010 To 111015)	328.62
33 11 13 53-0011	EA	12" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372-132004 To 132009)	289.05
33 11 13 53-0012	EA	12" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372-132010 To 132015)	338.02

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 53-0013		Double Bale Epoxy Coated Ductile Iron Body Service Saddles *(33 11 13 53)* Note: Electro-galvanized steel bales. 5/8" listed taps are compression. 3/4" to 2" are either compression or NPT. 2-1/2", 3" or 4" are NPT.		
33 11 13 53-0014	EA	1-1/4" To 1-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	160.75	
33 11 13 53-0015	EA	2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	160.89	
33 11 13 53-0016	EA	2" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	171.05	
33 11 13 53-0017	EA	2-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	164.16	
33 11 13 53-0018	EA	3" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	175.75	
33 11 13 53-0019	EA	3" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	196.09	
33 11 13 53-0020	EA	3" Diameter x 2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	208.75	
33 11 13 53-0021	EA	4" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	187.97	
33 11 13 53-0022	EA	4" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	207.96	
33 11 13 53-0023	EA	4" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	217.77	
33 11 13 53-0024	EA	5" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	199.92	
33 11 13 53-0025	EA	5" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	221.17	
33 11 13 53-0026	EA	5" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	230.70	
33 11 13 53-0027	EA	6" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	210.67	
33 11 13 53-0028	EA	6" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	231.20	
33 11 13 53-0029	EA	6" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	241.43	
33 11 13 53-0030	EA	6" Diameter x 3" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	340.05	
33 11 13 53-0031	EA	6" Diameter x 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	382.54	
33 11 13 53-0032	EA	8" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	233.15	
33 11 13 53-0033	EA	8" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	254.82	
33 11 13 53-0034	EA	8" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	265.80	
33 11 13 53-0035	EA	8" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	447.66	
33 11 13 53-0036	EA	10" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	260.17	
33 11 13 53-0037	EA	10" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	291.04	
33 11 13 53-0038	EA	10" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	504.07	
33 11 13 53-0039	EA	12" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	285.00	
33 11 13 53-0040	EA	12" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	317.79	
33 11 13 53-0041	EA	12" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	328.75	
33 11 13 53-0042	EA	12" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	567.03	
33 11 13 53-0043	EA	14" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	336.54	
33 11 13 53-0044	EA	14" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	370.47	
33 11 13 53-0045	EA	14" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	393.96	
33 11 13 53-0046	EA	14" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	708.42	
33 11 13 53-0047	EA	15" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	347.37	
33 11 13 53-0048	EA	15" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	400.92	
33 11 13 53-0049	EA	15" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	417.68	
33 11 13 53-0050	EA	15" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	763.75	
33 11 13 53-0051	EA	16" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	370.22	
33 11 13 53-0052	EA	16" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	439.19	
33 11 13 53-0053	EA	16" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	456.16	
33 11 13 53-0054	EA	16" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	818.00	
33 11 13 53-0055	EA	18" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	405.83	
33 11 13 53-0056	EA	18" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	483.47	
33 11 13 53-0057	EA	20" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	468.60	
33 11 13 53-0058	EA	20" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	520.80	
33 11 13 53-0059	EA	24" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	489.87	
33 11 13 53-0060	EA	24" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	556.74	
33 11 13 53-0061		Double Bale Bronze Service Saddles *(33 11 13 53)*		
33 11 13 53-0062	EA	4" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (James Jones J-979)	327.11	
33 11 13 53-0063	EA	4" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (James Jones J-979)	348.22	
33 11 13 53-0064	EA	6" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (James Jones J-979)	358.25	
33 11 13 53-0065	EA	6" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (James Jones J-979)	379.91	
33 11 13 53-0066	EA	8" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (James Jones J-979)	402.44	
33 11 13 53-0067	EA	8" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (James Jones J-979)	418.04	
33 11 13 53-0068	EA	10" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (James Jones J-979)	457.25	
33 11 13 53-0069	EA	10" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (James Jones J-979)	479.44	
33 11 13 53-0070	EA	12" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (James Jones J-979)	494.52	
33 11 13 53-0071	EA	12" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (James Jones J-979)	531.68	
33 11 13 53-0072	EA	14" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (James Jones J-979)	637.84	
33 11 13 53-0073	EA	14" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (James Jones J-979)	671.72	
33 11 13 53-0074	EA	16" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (James Jones J-979)	707.10	
33 11 13 53-0075	EA	16" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (James Jones J-979)	749.77	
33 11 13 53-0076	EA	18" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (James Jones J-979)	800.55	
33 11 13 53-0077	EA	18" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (James Jones J-979)	854.95	
33 11 13 53-0078	EA	20" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (James Jones J-979)	979.03	
33 11 13 53-0079	EA	20" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (James Jones J-979)	1,064.54	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 11 13 53-0080 Stainless Steel Double Straps, Bronze Body Service Saddle *(33 11 13 53)*

Note: Taps are compression or NPT.

33 11 13 53-0081	EA	4" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969)	349.06
33 11 13 53-0082	EA	4" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969)	371.68
33 11 13 53-0083	EA	6" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969)	381.90
33 11 13 53-0084	EA	6" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969)	405.14
33 11 13 53-0085	EA	8" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969)	430.37
33 11 13 53-0086	EA	8" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969)	446.82
33 11 13 53-0087	EA	10" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969)	490.73
33 11 13 53-0088	EA	10" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969)	514.57
33 11 13 53-0089	EA	12" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969)	531.46
33 11 13 53-0090	EA	12" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969)	572.06
33 11 13 53-0091	EA	14" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969)	690.97
33 11 13 53-0092	EA	14" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969)	727.89
33 11 13 53-0093	EA	16" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969)	766.50
33 11 13 53-0094	EA	16" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969)	813.27
33 11 13 53-0095	EA	18" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969)	870.14
33 11 13 53-0096	EA	18" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969)	930.05
33 11 13 53-0097	EA	20" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969)	1,069.02
33 11 13 53-0098	EA	20" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969)	1,145.86

33 11 13 53-0099 Ductile Iron Mechanical Joint Tapping Sleeve *(33 11 13 53)*

33 11 13 53-0100	EA	4" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,025.71
33 11 13 53-0101	EA	6" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,237.89
33 11 13 53-0102	EA	8" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,481.39
33 11 13 53-0103	EA	8" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,568.73
33 11 13 53-0104	EA	10" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,400.78
33 11 13 53-0105	EA	10" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,523.36
33 11 13 53-0106	EA	10" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,575.47
33 11 13 53-0107	EA	12" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,528.05
33 11 13 53-0108	EA	12" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,650.15
33 11 13 53-0109	EA	12" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,948.85
33 11 13 53-0110	EA	12" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,024.04
33 11 13 53-0111	EA	14" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	5,183.27
33 11 13 53-0112	EA	14" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	5,230.01
33 11 13 53-0113	EA	14" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	5,291.62
33 11 13 53-0114	EA	14" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	5,317.62
33 11 13 53-0115	EA	14" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	5,512.93
33 11 13 53-0116	EA	16" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	5,502.85
33 11 13 53-0117	EA	16" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	5,609.23
33 11 13 53-0118	EA	16" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	5,674.21
33 11 13 53-0119	EA	16" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	5,709.97
33 11 13 53-0120	EA	16" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	5,749.40
33 11 13 53-0121	EA	16" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	5,963.63
33 11 13 53-0122	EA	16" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,029.73
33 11 13 53-0123	EA	18" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,673.50
33 11 13 53-0124	EA	18" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,023.16
33 11 13 53-0125	EA	18" Diameter x 8", 10", 12" Or 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,119.39
33 11 13 53-0126	EA	18" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,413.08
33 11 13 53-0127	EA	20" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,165.99
33 11 13 53-0128	EA	20" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,898.89
33 11 13 53-0129	EA	20" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,031.71
33 11 13 53-0130	EA	20" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,083.08
33 11 13 53-0131	EA	20" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,342.31
33 11 13 53-0132	EA	20" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,959.82
33 11 13 53-0133	EA	20" Diameter x 16", 18" Or 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,151.71
33 11 13 53-0134	EA	24" Diameter x 4", 6" Or 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,665.78
33 11 13 53-0135	EA	24" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,785.27
33 11 13 53-0136	EA	24" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,818.80
33 11 13 53-0137	EA	24" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,252.35
33 11 13 53-0138	EA	24" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,409.66
33 11 13 53-0139	EA	24" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,443.61
33 11 13 53-0140	EA	24" Diameter x 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,785.94
33 11 13 53-0141	EA	24" Diameter x 24" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,947.68

33 11 13 53-0142 Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve *(33 11 13 53)*

33 11 13 53-0143	EA	4" Diameter x 4" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	973.74
33 11 13 53-0144	EA	6" Diameter x 4" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,019.69
33 11 13 53-0145	EA	6" Diameter x 6" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,122.83
33 11 13 53-0146	EA	8" Diameter x 4" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,143.47
33 11 13 53-0147	EA	8" Diameter x 6" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,191.97

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 53-0148	EA	8" Diameter x 8" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,389.62	
33 11 13 53-0149	EA	10" Diameter x 4" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,241.35	
33 11 13 53-0150	EA	10" Diameter x 6" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,288.45	
33 11 13 53-0151	EA	10" Diameter x 8" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,461.47	
33 11 13 53-0152	EA	10" Diameter x 10" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,091.12	
33 11 13 53-0153	EA	12" Diameter x 4" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,386.17	
33 11 13 53-0154	EA	12" Diameter x 6" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,457.92	
33 11 13 53-0155	EA	12" Diameter x 8" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,628.09	
33 11 13 53-0156	EA	12" Diameter x 10" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,251.46	
33 11 13 53-0157	EA	12" Diameter x 12" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,406.37	
33 11 13 53-0158	EA	14" Diameter x 4" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,860.15	
33 11 13 53-0159	EA	14" Diameter x 6" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,918.52	
33 11 13 53-0160	EA	14" Diameter x 8" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,290.24	
33 11 13 53-0161	EA	14" Diameter x 10" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,830.98	
33 11 13 53-0162	EA	14" Diameter x 12" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,051.00	
33 11 13 53-0163	EA	16" Diameter x 4" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,224.40	
33 11 13 53-0164	EA	16" Diameter x 6" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,284.84	
33 11 13 53-0165	EA	16" Diameter x 8" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,528.97	
33 11 13 53-0166	EA	16" Diameter x 10" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,192.53	
33 11 13 53-0167	EA	16" Diameter x 12" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,344.98	
33 11 13 53-0168	EA	18" Diameter x 4" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,386.13	
33 11 13 53-0169	EA	18" Diameter x 6" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,445.53	
33 11 13 53-0170	EA	18" Diameter x 8" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,670.88	
33 11 13 53-0171	EA	18" Diameter x 10" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,388.26	
33 11 13 53-0172	EA	18" Diameter x 12" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,540.52	
33 11 13 53-0173	EA	20" Diameter x 4" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,749.56	
33 11 13 53-0174	EA	20" Diameter x 6" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,810.57	
33 11 13 53-0175	EA	20" Diameter x 8" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,168.17	
33 11 13 53-0176	EA	20" Diameter x 10" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,896.58	
33 11 13 53-0177	EA	20" Diameter x 12" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,913.54	
33 11 13 53-0178	EA	24" Diameter x 4" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,966.63	
33 11 13 53-0179	EA	24" Diameter x 6" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,026.93	
33 11 13 53-0180	EA	24" Diameter x 8" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,395.16	
33 11 13 53-0181	EA	24" Diameter x 10" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,131.95	
33 11 13 53-0182	EA	24" Diameter x 12" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,284.32	

33 11 13 53-0183 Stainless Steel Flange, Stainless Steel Tapping Sleeve *(33 11 13 53)*

33 11 13 53-0184	EA	4" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,145.54	
33 11 13 53-0185	EA	6" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,236.66	
33 11 13 53-0186	EA	6" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,311.89	
33 11 13 53-0187	EA	8" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,324.98	
33 11 13 53-0188	EA	8" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,412.52	
33 11 13 53-0189	EA	8" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,685.39	
33 11 13 53-0190	EA	10" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,522.34	
33 11 13 53-0191	EA	10" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,620.02	
33 11 13 53-0192	EA	10" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,864.02	
33 11 13 53-0193	EA	10" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,574.99	
33 11 13 53-0194	EA	12" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,731.10	
33 11 13 53-0195	EA	12" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,866.34	
33 11 13 53-0196	EA	12" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,190.53	
33 11 13 53-0197	EA	12" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,614.64	
33 11 13 53-0198	EA	12" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,937.55	
33 11 13 53-0199	EA	14" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,023.22	
33 11 13 53-0200	EA	14" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,140.98	
33 11 13 53-0201	EA	14" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,506.75	
33 11 13 53-0202	EA	14" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,931.30	
33 11 13 53-0203	EA	14" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,153.13	
33 11 13 53-0204	EA	16" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,430.85	
33 11 13 53-0205	EA	16" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,661.53	
33 11 13 53-0206	EA	16" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,835.95	
33 11 13 53-0207	EA	16" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,292.85	
33 11 13 53-0208	EA	16" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,600.96	
33 11 13 53-0209	EA	18" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,664.55	
33 11 13 53-0210	EA	18" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,012.20	
33 11 13 53-0211	EA	18" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,194.48	
33 11 13 53-0212	EA	18" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,595.29	
33 11 13 53-0213	EA	18" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,127.42	
33 11 13 53-0214	EA	20" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,859.02	
33 11 13 53-0215	EA	20" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,205.76	
33 11 13 53-0216	EA	20" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,352.77	
33 11 13 53-0217	EA	20" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,103.59	
33 11 13 53-0218	EA	20" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,518.93	
33 11 13 53-0219	EA	24" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,154.70	
33 11 13 53-0220	EA	24" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,233.01	
33 11 13 53-0221	EA	24" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,566.46	
33 11 13 53-0222	EA	24" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,273.83	
33 11 13 53-0223	EA	24" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,486.09	

33 11 13 53-0224 Ductile Iron Body, Flanged Coupling Adapter *(33 11 13 53)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 53-0225	EA	3" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	412.45	101.17
33 11 13 53-0226	EA	4" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	477.22	101.17
33 11 13 53-0227	EA	6" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	567.42	101.17
33 11 13 53-0228	EA	8" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	722.36	101.17
33 11 13 53-0229	EA	10" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	1,184.74	101.17
33 11 13 53-0230	EA	12" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	1,300.56	101.17
33 11 13 53-0231		Steel Body, Flanged Coupling Adapter *(33 11 13 53)*		
33 11 13 53-0232	EA	3" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	851.74	101.17
33 11 13 53-0233	EA	4" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	961.00	101.17
33 11 13 53-0234	EA	6" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,219.16	101.17
33 11 13 53-0235	EA	8" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,477.37	101.17
33 11 13 53-0236	EA	10" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,815.01	101.17
33 11 13 53-0237	EA	12" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	2,107.97	101.17
33 11 13 53-0238	EA	14" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	2,529.94	101.17
33 11 13 53-0239	EA	16" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	3,031.44	101.17
33 11 13 53-0240		Ductile Iron Body, Omni Coupling System *(33 11 13 53)*		
33 11 13 53-0241	EA	2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	97.77	30.34
33 11 13 53-0242	EA	2-1/2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	119.99	30.34
33 11 13 53-0243	EA	3" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	147.50	43.61
33 11 13 53-0244	EA	4" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	186.12	54.98
33 11 13 53-0245	EA	6" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	249.35	75.85
33 11 13 53-0246	EA	8" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	301.68	89.12
33 11 13 53-0247	EA	10" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	372.39	100.49
33 11 13 53-0248	EA	12" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	433.93	113.76
33 11 13 53-0249	EA	14" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	597.52	125.14
33 11 13 53-0250	EA	16" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	734.78	136.51

33 12 Water Utility Distribution Equipment *(33 10)*

33 12 13 Water Service Connections *(33 12)*

See CSI section 22 11 19 00-0138 for backflow preventer assemblies.

33 12 13 23 Water Service Hydrants *(33 12 13)*

33 12 13 23-0001 Yard Hydrants *(33 12 13 23)*

Note: With 3/4" hose thread outlet.

33 12 13 23-0002	EA	2' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	172.22	24.38
33 12 13 23-0003	EA	4' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	182.20	24.38
33 12 13 23-0004	EA	6' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	192.19	24.38
33 12 13 23-0005	EA	2' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	218.28	30.89
33 12 13 23-0006	EA	4' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	228.22	30.89
33 12 13 23-0007	EA	6' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	238.17	30.89

33 12 13 23-0008 Sanitary Yard Hydrants *(33 12 13 23)*

Note: With 3/4" hose thread outlet.

33 12 13 23-0009	EA	2' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	659.66	50.81
33 12 13 23-0010	EA	4' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	690.85	50.81
33 12 13 23-0011	EA	6' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	722.05	50.81

33 12 13 23-0012 Flushing Hydrants *(33 12 13 23)*

33 12 13 23-0013	EA	2" Inlet x 2-1/2" Outlet Steel Flushing Hydrant, 3' Bury Depth	459.76	31.42

33 12 16 Water Utility Distribution Valves *(33 12)*

Note: Flanged valves excludes bolt and gasket set. See CSI section 23 21 13 23-0509 for bolt and gasket sets.

33 12 16 00-0001 Water Utility Distribution Valves *(33 12 16)*

33 12 16 00-0002 Angle Valves *(33 12 16 00-0001)*

Note: For connecting meters to water service.

33 12 16 00-0003 Threaded, Class 150, Bronze Angle Valve *(33 12 16 00-0002)*

Note: Nibco T-335Y

33 12 16 00-0004	EA	1/2" Threaded, Class 150, Bronze Angle Valve	49.33	13.01
33 12 16 00-0005	EA	3/4" Threaded, Class 150, Bronze Angle Valve	66.52	17.48
33 12 16 00-0006	EA	1" Threaded, Class 150, Bronze Angle Valve	87.17	21.55
33 12 16 00-0007	EA	1-1/4" Threaded, Class 150, Bronze Angle Valve	111.78	27.07
33 12 16 00-0008	EA	1-1/2" Threaded, Class 150, Bronze Angle Valve	136.98	31.30
33 12 16 00-0009	EA	2" Threaded, Class 150, Bronze Angle Valve	194.57	36.59
33 12 16 00-0010	EA	2-1/2" Threaded, Class 150, Bronze Angle Valve	302.22	49.92
33 12 16 00-0011	EA	3" Threaded, Class 150, Bronze Angle Valve	440.43	57.63

33 12 16 00-0012 Butterfly Valves *(33 12 16 00-0001)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 12 16 00-0013		**Iron Body, Iron Disc Butterfly Valve** *(33 12 16 00-0012)* Note: AWWA C504, ANSI Class 125/150, flanged or mechanical joint connection, Buna seat material, and 304 stainless steel shaft with 8" diameter handwheel operator.		
33 12 16 00-0014	EA	4" Iron Body, Iron Disc Butterfly Valve	970.50	137.32
		For 8" Diameter Chain Wheel Actuator, Add	*150.00*	
33 12 16 00-0015	EA	6" Iron Body, Iron Disc Butterfly Valve	1,097.91	146.15
		For 8" Diameter Chain Wheel Actuator, Add	*150.00*	
33 12 16 00-0016	EA	8" Iron Body, Iron Disc Butterfly Valve	1,622.80	219.24
		For 8" Diameter Chain Wheel Actuator, Add	*150.00*	
33 12 16 00-0017	EA	10" Iron Body, Iron Disc Butterfly Valve	1,788.99	292.31
		For 8" Diameter Chain Wheel Actuator, Add	*150.00*	
33 12 16 00-0018	EA	12" Iron Body, Iron Disc Butterfly Valve	2,005.68	309.63
		For 8" Diameter Chain Wheel Actuator, Add	*150.00*	
33 12 16 00-0019	EA	14" Iron Body, Iron Disc Butterfly Valve	2,613.02	408.57
		For 8" Diameter Chain Wheel Actuator, Add	*150.00*	
33 12 16 00-0020	EA	16" Iron Body, Iron Disc Butterfly Valve	3,127.68	438.39
		For 8" Diameter Chain Wheel Actuator, Add	*150.00*	
33 12 16 00-0021	EA	18" Iron Body, Iron Disc Butterfly Valve	3,830.33	458.56
		For 8" Diameter Chain Wheel Actuator, Add	*150.00*	
33 12 16 00-0022	EA	20" Iron Body, Iron Disc Butterfly Valve	4,403.63	502.33
		For 8" Diameter Chain Wheel Actuator, Add	*150.00*	
33 12 16 00-0023	EA	24" Iron Body, Iron Disc Butterfly Valve	6,138.03	618.09
		For 8" Diameter Chain Wheel Actuator, Add	*150.00*	
33 12 16 00-0024	EA	30" Iron Body, Iron Disc Butterfly Valve	12,662.90	986.03
		For 8" Diameter Chain Wheel Actuator, Add	*150.00*	
33 12 16 00-0025	EA	36" Iron Body, Iron Disc Butterfly Valve	16,277.87	1,970.53
		For 8" Diameter Chain Wheel Actuator, Add	*150.00*	
33 12 16 00-0026	EA	42" Iron Body, Iron Disc Butterfly Valve	20,920.66	2,295.94
		For 8" Diameter Chain Wheel Actuator, Add	*300.00*	
33 12 16 00-0027	EA	48" Iron Body, Iron Disc Butterfly Valve	30,967.10	2,603.38
		For 8" Diameter Chain Wheel Actuator, Add	*300.00*	
33 12 16 00-0028		**Check Valves** *(33 12 16 00-0001)*		
33 12 16 00-0029		**Flanged, Swing Type Gravity Operated Check Valves** *(33 12 16 00-0028)* Note: AWWA C508. Bronze disc facing. Mueller A-2600-6.		
33 12 16 00-0030	EA	2-1/2" Flanged, Swing Type Gravity Operated Check Valve	619.16	101.03
33 12 16 00-0031	EA	3" Flanged, Swing Type Gravity Operated Check Valve	661.07	119.73
33 12 16 00-0032	EA	4" Flanged, Swing Type Gravity Operated Check Valve	836.83	160.90
33 12 16 00-0033	EA	4" x 6" Flanged, Swing Type Gravity Operated Check Valve	1,156.41	183.34
33 12 16 00-0034	EA	4" x 8" Flanged, Swing Type Gravity Operated Check Valve	1,247.74	209.54
33 12 16 00-0035	EA	6" Flanged, Swing Type Gravity Operated Check Valve	1,152.21	187.09
33 12 16 00-0036	EA	6" x 8" Flanged, Swing Type Gravity Operated Check Valve	1,465.27	205.80
33 12 16 00-0037	EA	6" x 10" Flanged, Swing Type Gravity Operated Check Valve	1,531.01	224.51
33 12 16 00-0038	EA	8" Flanged, Swing Type Gravity Operated Check Valve	1,587.80	224.51
33 12 16 00-0039	EA	10" Flanged, Swing Type Gravity Operated Check Valve	2,567.17	261.92
33 12 16 00-0040	EA	12" Flanged, Swing Type Gravity Operated Check Valve	3,827.15	314.31
33 12 16 00-0041	EA	14" Flanged, Swing Type Gravity Operated Check Valve	5,318.71	397.36
33 12 16 00-0042	EA	16" Flanged, Swing Type Gravity Operated Check Valve	7,023.49	446.02
33 12 16 00-0043	EA	18" Flanged, Swing Type Gravity Operated Check Valve	10,072.34	494.67
33 12 16 00-0044	EA	20" Flanged, Swing Type Gravity Operated Check Valve	11,710.65	557.52
33 12 16 00-0045		**Combination Air Release Valves** *(33 12 16 00-0001)*		
33 12 16 00-0046	EA	1" Combination Air Release Valve	421.11	15.71
33 12 16 00-0047	EA	2" Combination Air Release Valve	679.66	26.94
33 12 16 00-0048		**Corporation Stop And Curb Valve** *(33 12 16 00-0001)* Note: AWWA C800		
33 12 16 00-0049		**Ball Corporation Valves** *(33 12 16 00-0048)* Note: Mueller B-25000.		
33 12 16 00-0050	EA	3/4" Ball Corporation Valve	66.13	15.71
33 12 16 00-0051	EA	1" Ball Corporation Valve	83.25	19.46
33 12 16 00-0052	EA	1-1/2" Ball Corporation Valve	151.93	28.44
33 12 16 00-0053	EA	2" Ball Corporation Valve	232.81	33.67
33 12 16 00-0054		**Gate Valve, AWWA C500 And C509** *(33 12 16 00-0001)*		
33 12 16 00-0055		**Gate Valve, Flanged** *(33 12 16 00-0054)* Note: Mueller A-2380-6.		
33 12 16 00-0056	EA	2" Gate Valve, Flanged	395.99	79.70
33 12 16 00-0057	EA	2-1/2" Gate Valve, Flanged	482.32	99.90
33 12 16 00-0058	EA	3" Gate Valve, Flanged	576.98	119.73
33 12 16 00-0059	EA	4" Gate Valve, Flanged	693.44	159.40
33 12 16 00-0060	EA	6" Gate Valve, Flanged	875.00	187.09
33 12 16 00-0061	EA	8" Gate Valve, Flanged	1,231.63	224.51
33 12 16 00-0062	EA	10" Gate Valve, Flanged	1,767.52	261.92
33 12 16 00-0063	EA	12" Gate Valve, Flanged	2,130.17	314.31
33 12 16 00-0064	EA	14" Gate Valve, Flanged	4,380.82	397.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 12 16 00-0065	EA	16" Gate Valve, Flanged	5,684.11	446.02
33 12 16 00-0066	EA	18" Gate Valve, Flanged	8,834.78	494.67
33 12 16 00-0067	EA	20" Gate Valve, Flanged	10,535.61	557.52
33 12 16 00-0068		**Resilient Wedge Gate Valve, Flanged** *(33 12 16 00-0054)*		
		Note: Mueller A-2360-6.		
33 12 16 00-0069	EA	2" Resilient Wedge Gate Valve, Flanged	382.61	79.70
33 12 16 00-0070	EA	2-1/2" Resilient Wedge Gate Valve, Flanged	466.33	99.90
33 12 16 00-0071	EA	3" Resilient Wedge Gate Valve, Flanged	558.00	120.86
33 12 16 00-0072	EA	4" Resilient Wedge Gate Valve, Flanged	672.23	159.40
33 12 16 00-0073	EA	6" Resilient Wedge Gate Valve, Flanged	846.64	187.09
33 12 16 00-0074	EA	8" Resilient Wedge Gate Valve, Flanged	1,187.34	224.51
33 12 16 00-0075	EA	10" Resilient Wedge Gate Valve, Flanged	1,697.13	261.92
33 12 16 00-0076	EA	12" Resilient Wedge Gate Valve, Flanged	2,045.18	314.31
33 12 16 00-0077		**Gate Valve, Mechanical Joint** *(33 12 16 00-0054)*		
		Note: Mueller A-2380-20.		
33 12 16 00-0078	EA	2" Gate Valve, Mechanical Joint	429.33	79.70
33 12 16 00-0079	EA	2-1/2" Gate Valve, Mechanical Joint	476.87	99.90
33 12 16 00-0080	EA	3" Gate Valve, Mechanical Joint	595.14	120.86
33 12 16 00-0081	EA	4" Gate Valve, Mechanical Joint	723.06	159.40
33 12 16 00-0082	EA	6" Gate Valve, Mechanical Joint	897.47	187.09
33 12 16 00-0083	EA	8" Gate Valve, Mechanical Joint	1,263.10	224.51
33 12 16 00-0084	EA	10" Gate Valve, Mechanical Joint	1,789.00	261.92
33 12 16 00-0085	EA	12" Gate Valve, Mechanical Joint	2,227.72	314.31
33 12 16 00-0086	EA	14" Gate Valve, Mechanical Joint	4,646.85	397.36
33 12 16 00-0087	EA	16" Gate Valve, Mechanical Joint	5,956.65	446.02
33 12 16 00-0088	EA	18" Gate Valve, Mechanical Joint	9,321.49	494.67
33 12 16 00-0089	EA	20" Gate Valve, Mechanical Joint	11,062.32	557.52
33 12 16 00-0090		**Resilient Wedge Gate Valve, Mechanical Joint** *(33 12 16 00-0054)*		
		Note: Mueller A-2360-20.		
33 12 16 00-0091	EA	2" Resilient Wedge Gate Valve, Mechanical Joint	414.05	79.70
33 12 16 00-0092	EA	3" Resilient Wedge Gate Valve, Mechanical Joint	575.13	120.86
33 12 16 00-0093	EA	4" Resilient Wedge Gate Valve, Mechanical Joint	700.17	159.40
33 12 16 00-0094	EA	6" Resilient Wedge Gate Valve, Mechanical Joint	867.86	187.09
33 12 16 00-0095	EA	8" Resilient Wedge Gate Valve, Mechanical Joint	1,217.03	224.51
33 12 16 00-0096	EA	10" Resilient Wedge Gate Valve, Mechanical Joint	1,717.39	261.92
33 12 16 00-0097	EA	12" Resilient Wedge Gate Valve, Mechanical Joint	2,137.19	314.31
33 12 16 00-0098		**Resilient Wedge Gate Valve, Mechanical Joint X Flange Joint** *(33 12 16 00-0054)*		
		Note: Mueller A-2361.		
33 12 16 00-0099	EA	14" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	4,267.09	397.36
33 12 16 00-0100	EA	16" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	4,659.32	446.02
33 12 16 00-0101	EA	18" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	7,156.36	494.67
33 12 16 00-0102	EA	20" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	8,521.52	557.52
33 12 16 00-0103	EA	24" Resilient Wedge Gate Valve, Mechanical Joint X FL	14,033.97	648.76
33 12 16 00-0104		**Gate Valve, Threaded, WW-V-51 Class A, Type 1** *(33 12 16 00-0054)*		
		Note: NIBCO T-113.		
33 12 16 00-0105	EA	1/4" Gate Valve, Bronze, Threaded	32.99	13.09
33 12 16 00-0106	EA	3/8" Gate Valve, Bronze, Threaded	34.24	13.09
33 12 16 00-0107	EA	1/2" Gate Valve, Bronze, Threaded	34.67	13.09
33 12 16 00-0108	EA	3/4" Gate Valve, Bronze, Threaded	45.40	17.68
33 12 16 00-0109	EA	1" Gate Valve, Bronze, Threaded	55.59	21.38
33 12 16 00-0110	EA	1-1/4" Gate Valve, Bronze, Threaded	73.64	27.07
33 12 16 00-0111	EA	1-1/2" Gate Valve, Bronze, Threaded	85.27	31.30
33 12 16 00-0112	EA	2" Gate Valve, Bronze, Threaded	102.52	36.59
33 12 16 00-0113	EA	2-1/2" Gate Valve, Bronze, Threaded	176.80	49.92
33 12 16 00-0114	EA	3" Gate Valve, Bronze, Threaded	209.75	57.25
33 12 16 00-0115		**Globe Valve, AWWA** *(33 12 16 00-0001)*		
33 12 16 00-0116		**Globe Valve, Threaded, WW-V-51 Class B, Type 1** *(33 12 16 00-0115)*		
		Note: NIBCO T-235.		
33 12 16 00-0117	EA	1/8" Globe Valve, Threaded	43.12	13.09
33 12 16 00-0118	EA	1/4" Globe Valve, Threaded	40.61	13.09
33 12 16 00-0119	EA	3/8" Globe Valve, Threaded	41.86	13.09
33 12 16 00-0120	EA	1/2" Globe Valve, Threaded	43.12	13.09
33 12 16 00-0121	EA	3/4" Globe Valve, Threaded	58.46	17.68
33 12 16 00-0122	EA	1" Globe Valve, Threaded	78.70	21.38
33 12 16 00-0123	EA	1-1/4" Globe Valve, Threaded	110.99	27.07
33 12 16 00-0124	EA	1-1/2" Globe Valve, Threaded	131.46	31.30
33 12 16 00-0125	EA	2" Globe Valve, Threaded	176.58	36.59
33 12 16 00-0126	EA	2-1/2" Globe Valve, Threaded	307.33	49.92
33 12 16 00-0127	EA	3" Globe Valve, Threaded	410.33	57.55

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 12 16 00-0128		Tapping Valve, AWWA C500 And C509 *(33 12 16 00-0001)*		
33 12 16 00-0129		Tapping Valve, AWWA C500 And C509 *(33 12 16 00-0128)* Note: Flanged inlet X mechanical joint, Mueller H-667.		
33 12 16 00-0130	EA	2" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	563.96	99.90
33 12 16 00-0131	EA	3" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	711.76	120.86
33 12 16 00-0132	EA	4" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	823.64	159.40
33 12 16 00-0133	EA	6" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	1,073.95	187.09
33 12 16 00-0134	EA	8" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	1,486.78	224.51
33 12 16 00-0135	EA	10" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	2,077.59	261.92
33 12 16 00-0136	EA	12" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	3,003.28	314.31
33 12 16 00-0137	EA	14" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	5,278.89	397.36
33 12 16 00-0138	EA	16" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	6,635.10	446.02
33 12 16 00-0139	EA	18" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	10,521.04	495.49
33 12 16 00-0140		Accessories For Valves *(33 12 16)*		
33 12 16 00-0141	EA	1' Valve Extension Stem	68.99	
		For Each Additional LF, Add	*4.79*	
33 12 16 00-0142	EA	Up to 80" Long Indicator Post Telescoping Barrel Assembly Note: Excludes valve.	863.35	74.84
33 12 16 00-0143	EA	>80" To 114" Long Indicator Post Telescoping Barrel Assembly Note: Excludes valve.	977.98	82.31
33 12 16 00-0144	EA	Adjust Water Valve Box To Grade	74.84	
33 12 16 00-0145		Roadway Or Curb Valve Boxes *(33 12 16)* See CSI section 22 05 19 00-0000 for metering.		
33 12 16 00-0146		Round Head, Cast Iron Service, Roadway Or Valve Boxes *(33 12 16 00-0145)*		
33 12 16 00-0147	EA	36" To 48" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box Note: Includes cover, top section and bottom section.	130.19	9.88
33 12 16 00-0148	EA	36" To 54" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box Note: Includes cover, top section and bottom section.	150.20	9.88
33 12 16 00-0149	EA	42" To 60" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box Note: Includes cover, top section and bottom section.	151.12	9.88
33 12 16 00-0150	EA	9" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	40.44	4.94
33 12 16 00-0151	EA	16" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	45.73	4.94
33 12 16 00-0152	EA	24" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	53.70	4.94
33 12 16 00-0153	EA	36" To 48" High, Screw Type, 4-1/4" Shaft, Round Head, Cast Iron Roadway Box Note: Includes cover, top section and bottom section.	194.64	12.35
33 12 16 00-0154	EA	45" To 54" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section, bottom section and #6 round base.	334.40	17.28
33 12 16 00-0155	EA	45" To 66" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section, bottom section and #6 round base.	371.72	17.28
33 12 16 00-0156	EA	24" To 36" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section and bottom section.	202.04	12.35
33 12 16 00-0157	EA	36" To 48" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section and bottom section.	210.95	12.35
33 12 16 00-0158	EA	24" To 36" High, Two Piece, Slip Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section and bottom section.	204.14	12.35
33 12 16 00-0159	EA	12" Extension For Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box	74.30	4.94
33 12 16 00-0160	EA	18" To 24" High Round Head Cast Iron Roadway Or Curb Valve Boxes	128.39	20.33
33 12 16 00-0161	EA	22" To 28" High Round Head Cast Iron Roadway Or Curb Valve Boxes	132.44	21.13
33 12 16 00-0162	EA	30" To 36" High Round Head Cast Iron Roadway Or Curb Valve Boxes	147.31	21.95
33 12 16 00-0163	EA	36" To 48" High Round Head Cast Iron Roadway Or Curb Valve Box	198.61	23.17
33 12 16 00-0164	EA	48" To 60" High Round Head Cast Iron Roadway Or Curb Valve Boxes	238.33	24.38
33 12 16 00-0165	EA	18" Cast Iron Service Box Extension Section	55.10	
33 12 16 00-0166		Plastic Roadway Grade Water Meter Box And Cover *(33 12 16 00-0145)*		
33 12 16 00-0167	EA	12" Wide x 16" Long x 16" Deep Plastic Meter Box And Cover	169.83	28.45
33 12 16 00-0168	EA	9-3/4" Wide x 19-1/4" Long x 16" Deep Oval Plastic Meter Box And Cover	127.13	20.33
33 12 16 00-0169	EA	Cast Iron Lid For Plastic Meter Box	36.81	
33 12 16 00-0170		Traffic Valve Box And Lid *(33 12 16 00-0145)*		
33 12 16 00-0171	EA	10-3/8" ID x 12" Traffic Valve Box And 11" OD Cast Iron Lid (Christy G-5)	126.08	
33 12 16 00-0172	EA	14-1/2" ID x 12" Traffic Valve Box And 13-1/4" OD Cast Iron Lid (Christy G-12)	379.46	
33 12 16 00-0173		Utility Box *(33 12 16)* Note: Christy Concrete Products.		
33 12 16 00-0174		B3 Utility Box, 9-3/8" x 15-1/2" *(33 12 16 00-0173)*		
33 12 16 00-0175	EA	9-3/8" x 15-1/2" Precast Concrete Utility Box	60.50	37.20
33 12 16 00-0176	EA	Cast Iron Lid For 9-3/8" x 15-1/2" Utility Box	46.88	4.13
33 12 16 00-0177	EA	Reinforced Concrete Lid For 9-3/8" x 15-1/2" Utility Box	21.85	4.13
33 12 16 00-0178	EA	Steel Checkered Plate Cover For 9-3/8" x 15-1/2" Utility Box	97.78	4.13
33 12 16 00-0179	EA	12-1/8" x 18-5/8" Reinforced Concrete Slab For 9-3/8" x 15-1/2" Utility Box	33.30	8.26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 12 16 00-0180	EA	3" High Reinforced Concrete Base For 9-3/8" x 15-1/2" Utility Box	44.37	8.26
33 12 16 00-0181		**B9 Utility Box, 10-1/4" x 17-1/4"** *(33 12 16 00-0173)*		
33 12 16 00-0182	EA	10-1/4" x 17-1/4" Precast Concrete Utility Box	75.56	49.60
33 12 16 00-0183	EA	Cast Iron Lid For 10-1/4" x 17-1/4" Utility Box	55.04	4.96
33 12 16 00-0184	EA	Reinforced Concrete Lid For 10-1/4" x 17-1/4" Utility Box	24.61	4.96
33 12 16 00-0185	EA	Steel Checkered Plate Cover For 10-1/4" x 17-1/4" Utility Box	102.38	4.13
33 12 16 00-0186	EA	13" x 19-3/4" Reinforced Concrete Slab For 10-1/4" x 17-1/4" Utility Box	36.35	8.26
33 12 16 00-0187	EA	5-3/4" High Reinforced Concrete Base For 10-1/4" x 17-1/4" Utility Box	49.96	12.40
33 12 16 00-0188	EA	12" High Reinforced Concrete Extension For 10-1/4" x 17-1/4" Utility Box	67.00	22.73
33 12 16 00-0189		**B12 Utility Box, 12" x 20"** *(33 12 16 00-0173)*		
33 12 16 00-0190	EA	12" x 20" Precast Concrete Utility Box	82.68	53.73
33 12 16 00-0191	EA	Cast Iron Lid For 12" x 20" Utility Box	96.46	6.20
33 12 16 00-0192	EA	Reinforced Concrete Lid For 12" x 20" Utility Box	34.57	8.26
33 12 16 00-0193	EA	Steel Checkered Plate Cover For 12" x 20" Utility Box	140.33	8.26
33 12 16 00-0194	EA	12" High Reinforced Concrete Extension For 12" x 20" Utility Box	86.66	28.94
33 12 16 00-0195		**B16 Utility Box, 12" x 22-1/4"** *(33 12 16 00-0173)*		
33 12 16 00-0196	EA	12" x 22-1/4" Precast Concrete Utility Box	95.64	62.82
33 12 16 00-0197	EA	Cast Iron Lid For 12" x 22-1/4" Utility Box	110.21	8.26
33 12 16 00-0198	EA	Reinforced Concrete Lid For 12" x 22-1/4" Utility Box	40.84	8.26
33 12 16 00-0199	EA	Steel Checkered Plate Cover For 12" x 22-1/4" Utility Box	141.08	8.26
33 12 16 00-0200	EA	16" x 27" Reinforced Concrete Slab For 12" x 22-1/4" Utility Box	59.72	14.05
33 12 16 00-0201	EA	12" High Reinforced Concrete Extension For 12" x 22-1/4" Utility Box	87.70	28.94
33 12 16 00-0202		**B30 Utility Box, 13-1/4" x 24"** *(33 12 16 00-0173)*		
33 12 16 00-0203	EA	13-1/4" x 24" Precast Concrete Utility Box	114.59	74.39
33 12 16 00-0204	EA	Reinforced Concrete Lid For 13-1/4" x 24" Utility Box	57.05	13.22
33 12 16 00-0205	EA	Steel Checkered Plate Cover For 13-1/4" x 24" Utility Box	174.92	10.74
33 12 16 00-0206	EA	16" x 27" Reinforced Concrete Slab For 13-1/4" x 24" Utility Box	59.72	14.05
33 12 16 00-0207	EA	5-1/2" High Reinforced Concrete Base For 13-1/4" x 24" Utility Box	93.05	23.14
33 12 16 00-0208	EA	6" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box	70.39	15.70
33 12 16 00-0209	EA	12" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box	113.36	37.20
33 12 16 00-0210		**B36 Utility Box, 17-1/4" x 30"** *(33 12 16 00-0173)*		
33 12 16 00-0211	EA	17-1/4" x 30" Precast Concrete Utility Box	148.31	94.24
33 12 16 00-0212	EA	Reinforced Concrete Lid For 17-1/4" x 30" Utility Box	94.09	22.73
33 12 16 00-0213	EA	Steel Checkered Plate Cover For 17-1/4" x 30" Utility Box	221.44	15.70
33 12 16 00-0214	EA	20" x 34" Reinforced Concrete Slab For 17-1/4" x 30" Utility Box	93.74	29.76
33 12 16 00-0215	EA	6" High Reinforced Concrete Base For 17-1/4" x 30" Utility Box	141.92	33.07
33 12 16 00-0216	EA	12" High Reinforced Concrete Extension For 17-1/4" x 30" Utility Box	149.70	47.95
33 12 16 00-0217		**B40 Utility Box, 24-1/2" x 36"** *(33 12 16 00-0173)*		
33 12 16 00-0218	EA	24-1/2" x 36" Precast Concrete Utility Box	282.96	145.49
33 12 16 00-0219	EA	Reinforced Concrete Lid For 24-1/2" x 36" Utility Box	250.06	54.56
33 12 16 00-0220	EA	Steel Checkered Plate Cover For 24-1/2" x 36" Utility Box	316.13	23.97
33 12 16 00-0221	EA	30" x 40" Reinforced Concrete Slab For 24-1/2" x 36" Utility Box	210.87	51.25
33 12 16 00-0222	EA	10" High Reinforced Concrete Extension For 24-1/2" x 36" Utility Box	223.11	53.73
33 12 16 00-0223		**B48 Utility Box, 30-1/4" x 48-1/4"** *(33 12 16 00-0173)*		
33 12 16 00-0224	EA	30-1/4" x 48-1/4" Precast Concrete Utility Box	374.39	165.32
33 12 16 00-0225	EA	1 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box	359.09	90.11
33 12 16 00-0226	EA	2 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box	430.06	90.11
33 12 16 00-0227	EA	2 Piece Steel Checkered Plate Cover For 30-1/4" x 48-1/4" Utility Box	503.74	41.33
33 12 16 00-0228	EA	36" x 53" Reinforced Concrete Slab For 30-1/4" x 48-1/4" Utility Box	342.31	111.59
33 12 16 00-0229	EA	10" High Reinforced Concrete Extension For 30-1/4" x 48-1/4" Utility Box	284.27	75.22

33 12 19 Water Utility Distribution Fire Hydrants *(33 12)*

33 12 19 00-0001 Fire Hydrants *(33 12 19)*

Note: Breakaway type.

33 12 19 00-0002 Three Way, Standard (Traditional) Model Fire Hydrant *(33 12 19 00-0001)*

Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).

33 12 19 00-0003	EA	1-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	1,738.76	204.62
33 12 19 00-0004	EA	2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	1,769.86	204.62
33 12 19 00-0005	EA	2-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	1,801.04	204.62
33 12 19 00-0006	EA	3' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	1,846.69	219.24
33 12 19 00-0007	EA	3-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	1,877.82	219.24
33 12 19 00-0008	EA	4' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	1,927.24	237.50
33 12 19 00-0009	EA	4-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	1,958.32	237.50

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 12 19 00-0010	EA	5' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,007.76	255.77
33 12 19 00-0011	EA	5-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,038.89	255.77
33 12 19 00-0012	EA	6' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,088.24	274.04
33 12 19 00-0013	EA	6-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,137.63	292.31
33 12 19 00-0014	EA	7' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,205.24	328.85
33 12 19 00-0015	EA	1-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	1,767.14	204.62
33 12 19 00-0016	EA	2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	1,807.50	204.62
33 12 19 00-0017	EA	2-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	1,847.76	204.62
33 12 19 00-0018	EA	3' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	1,902.64	219.24
33 12 19 00-0019	EA	3-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	1,942.90	219.24
33 12 19 00-0020	EA	4' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,001.57	237.50
33 12 19 00-0021	EA	4-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,041.78	237.50
33 12 19 00-0022	EA	5' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,100.35	255.77
33 12 19 00-0023	EA	5-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,140.60	255.77
33 12 19 00-0024	EA	6' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,199.06	274.04
33 12 19 00-0025	EA	6-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,257.69	292.31
33 12 19 00-0026	EA	7' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,334.42	328.85
33 12 19 00-0027		**Two Way, Standard (Traditional) Model Fire Hydrant** *(33 12 19 00-0001)*		
		Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 12 19 00-0028	EA	1-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	1,568.05	204.62
33 12 19 00-0029	EA	2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	1,599.04	204.62
33 12 19 00-0030	EA	2-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	1,630.21	204.62
33 12 19 00-0031	EA	3' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	1,675.99	219.24
33 12 19 00-0032	EA	3-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	1,707.02	219.24
33 12 19 00-0033	EA	4' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	1,756.37	237.50
33 12 19 00-0034	EA	4-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	1,787.50	237.50
33 12 19 00-0035	EA	5' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	1,836.97	255.77
33 12 19 00-0036	EA	5-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	1,868.03	255.77
33 12 19 00-0037	EA	6' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	1,917.55	274.04
33 12 19 00-0038	EA	6-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	1,966.74	292.31
33 12 19 00-0039	EA	7' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	2,034.42	328.85
33 12 19 00-0040	EA	1-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	1,611.89	204.62
33 12 19 00-0041	EA	2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	1,652.16	204.62
33 12 19 00-0042	EA	2-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	1,692.37	204.62
33 12 19 00-0043	EA	3' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	1,747.35	219.24
33 12 19 00-0044	EA	3-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	1,787.51	219.24
33 12 19 00-0045	EA	4' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	1,846.11	237.50
33 12 19 00-0046	EA	4-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	1,886.29	237.50
33 12 19 00-0047	EA	5' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	1,944.99	255.77
33 12 19 00-0048	EA	5-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	1,985.15	255.77
33 12 19 00-0049	EA	6' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	2,043.75	274.04
33 12 19 00-0050	EA	6-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	2,102.18	292.31
33 12 19 00-0051	EA	7' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	2,179.13	328.85
33 12 19 00-0052		**Three Way, Modern Model Fire Hydrant** *(33 12 19 00-0001)*		
		Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 12 19 00-0053	EA	1-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	1,811.34	204.62
33 12 19 00-0054	EA	2' Burial Section, Three Way, Modern Type Fire Hydrant	1,851.55	204.62
33 12 19 00-0055	EA	2-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	1,891.88	204.62
33 12 19 00-0056	EA	3' Burial Section, Three Way, Modern Type Fire Hydrant	1,946.78	219.24
33 12 19 00-0057	EA	3-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	1,987.02	219.24
33 12 19 00-0058	EA	4' Burial Section, Three Way, Modern Type Fire Hydrant	2,045.54	237.50
33 12 19 00-0059	EA	4-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	2,085.83	237.50
33 12 19 00-0060	EA	5' Burial Section, Three Way, Modern Type Fire Hydrant	2,144.37	255.77
33 12 19 00-0061	EA	5-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	2,184.62	255.77
33 12 19 00-0062	EA	6' Burial Section, Three Way, Modern Type Fire Hydrant	2,243.15	255.77
33 12 19 00-0063	EA	6-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	2,301.80	292.31
33 12 19 00-0064	EA	7' Burial Section, Three Way, Modern Type Fire Hydrant	2,378.11	292.31
33 12 19 00-0065		**Two Way, Modern Model Fire Hydrant** *(33 12 19 00-0001)*		
		Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 12 19 00-0066	EA	1-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	1,307.15	204.62
33 12 19 00-0067	EA	2' Burial Section, Two Way, Modern Type Fire Hydrant	1,337.75	204.62
33 12 19 00-0068	EA	2-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	1,368.69	204.62
33 12 19 00-0069	EA	3' Burial Section, Two Way, Modern Type Fire Hydrant	1,413.55	219.24
33 12 19 00-0070	EA	3-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	1,444.14	219.24
33 12 19 00-0071	EA	4' Burial Section, Two Way, Modern Type Fire Hydrant	1,492.99	237.50
33 12 19 00-0072	EA	4-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	1,523.57	237.50
33 12 19 00-0073	EA	5' Burial Section, Two Way, Modern Type Fire Hydrant	1,572.47	255.77
33 12 19 00-0074	EA	5-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	1,602.97	255.77
33 12 19 00-0075	EA	6' Burial Section, Two Way, Modern Type Fire Hydrant	1,651.84	274.04
33 12 19 00-0076	EA	6-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	1,700.74	292.31
33 12 19 00-0077	EA	7' Burial Section, Two Way, Modern Type Fire Hydrant	1,767.49	328.85
33 12 19 00-0078		**Fire Hydrant Extension Kits** *(33 12 19 00-0001)*		
33 12 19 00-0079	EA	6" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	282.19	18.27

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 12 19 00-0080	EA	12" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	336.72	22.83
	33 12 19 00-0081	EA	18" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	370.42	27.41
	33 12 19 00-0082	EA	24" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	424.41	33.80
	33 12 19 00-0083	EA	30" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	620.76	35.17
	33 12 19 00-0084	EA	36" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	661.71	36.54
	33 12 19 00-0085	EA	42" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	673.39	38.37
	33 12 19 00-0086	EA	48" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	711.98	41.11
	33 12 19 00-0087	EA	54" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	790.02	49.32
	33 12 19 00-0088	EA	60" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	842.97	59.37
	33 12 19 00-0089	EA	6" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	313.63	20.46
	33 12 19 00-0090	EA	12" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	373.17	24.85
	33 12 19 00-0091	EA	18" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	429.76	29.96
	33 12 19 00-0092	EA	24" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	484.96	37.27
	33 12 19 00-0093	EA	30" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	648.44	38.73
	33 12 19 00-0094	EA	36" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	690.01	40.19
	33 12 19 00-0095	EA	42" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	719.89	42.39
	33 12 19 00-0096	EA	48" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	836.90	45.31
	33 12 19 00-0097	EA	54" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	923.03	54.08
	33 12 19 00-0098	EA	60" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	980.50	65.04
	33 12 19 00-0099		Remove And Reinstall Standard Fire Hydrant *(33 12 19 00-0001)*		
			Note: Includes all necessary fittings for resetting, storage and cleaning. Excludes excavation, backfill and thrust blocking around fire hydrant.		
	33 12 19 00-0100	EA	Up To 5' Burial Section, Remove And Reinstall Fire Hydrant	584.61	
	33 12 19 00-0101	EA	>5' Burial Section, Remove And Reinstall Fire Hydrant	852.57	
	33 12 19 00-0102	EA	Reset Fire Hydrant Upper Barrel	723.64	
			Note: Includes Safety Repair Kit		
	33 12 33		**Water Utility Metering** *(33 12)*		
	33 12 33 00-0001		Bronze Disk Type Water Service Meters *(33 12 33)*		
	33 12 33 00-0002	EA	5/8" Diameter, 0 - 20 GPM, Screwed, Water Supply Meter, Disk Type, Bronze	135.62	42.28
	33 12 33 00-0003	EA	3/4" Diameter, 0 - 30 GPM, Screwed, Water Supply Meter, Disk Type, Bronze	169.11	50.40
	33 12 33 00-0004	EA	1" Diameter, 0 - 50 GPM, Screwed, Water Supply Meter, Disk Type, Bronze	222.47	57.72
	33 12 33 00-0005	EA	1-1/2" Diameter, 0 - 100 GPM, Screwed, Water Supply Meter, Disk Type, Bronze	420.75	86.17
	33 12 33 00-0006	EA	2" Diameter, 0 - 160 GPM, Screwed, Water Supply Meter, Disk Type, Bronze	568.15	112.19
	33 12 33 00-0007		Magnetic Driven, Positive Displacement Type Water Service Meters *(33 12 33)*		
	33 12 33 00-0008	EA	5/8" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i)	301.19	42.28
			For Owner Furnished Material, Deduct	*-258.40*	
	33 12 33 00-0009	EA	3/4" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i)	343.93	50.40
			For Owner Furnished Material, Deduct	*-293.12*	
	33 12 33 00-0010	EA	1" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i)	507.83	57.72
			For Owner Furnished Material, Deduct	*-449.76*	
	33 12 33 00-0011	EA	1-1/2" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i)	856.56	86.17
			For Owner Furnished Material, Deduct	*-770.08*	
	33 12 33 00-0012	EA	2" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i)	1,061.87	112.19
			For Owner Furnished Material, Deduct	*-948.96*	
	33 12 33 00-0013	EA	Electronic Transmitter	240.52	20.33
			Note: For use with transmitting meter valve.		
			For Owner Furnished Material, Deduct	*-220.19*	
	33 12 33 00-0014		Flanged Compound Type Water Service Meter *(33 12 33)*		
	33 12 33 00-0015	EA	2" Diameter, 0 - 160 GPM Water Service Meter Compound Type, Flanged And Bronze	1,636.32	130.89
	33 12 33 00-0016	EA	3" Diameter, 0 - 320 GPM Water Service Meter Compound Type, Flanged And Bronze	1,998.07	173.85
	33 12 33 00-0017	EA	4" Diameter, 0 - 500 GPM Water Service Meter Compound Type, Flanged And Bronze	3,224.79	240.97
	33 12 33 00-0018	EA	6" Diameter, 0 - 1,000 GPM Water Service Meter Compound Type, Flanged And Bronze	4,557.38	356.22
	33 12 33 00-0019	EA	8" Diameter, 0 - 1,600 GPM Water Service Meter Compound Type, Flanged And Bronze	9,098.46	467.73
	33 12 33 00-0020	EA	10" Diameter, 0 - 2,500 GPM Water Service Meter Compound Type, Flanged And Bronze	15,318.68	566.88
	33 12 33 00-0021		Flanged Turbine Water Service Meter *(33 12 33)*		
	33 12 33 00-0022		Vertical Turbine Meters *(33 12 33 00-0021)*		
	33 12 33 00-0023	EA	1-1/2" Diameter, 0-100 GPM Vertical Turbine Meter, Flanged	473.49	103.28
	33 12 33 00-0024	EA	2" Diameter, 0-160 GPM Vertical Turbine Meter, Flanged	648.73	130.89
	33 12 33 00-0025	EA	3" Diameter, 0-350 GPM Vertical Turbine Meter, Flanged	1,119.16	214.11
	33 12 33 00-0026	EA	4" Diameter, 0-650 GPM Vertical Turbine Meter, Flanged	1,621.78	296.50
	33 12 33 00-0027	EA	6" Diameter, 0-1300 GPM Vertical Turbine Meter, Flanged	2,987.67	436.37
	33 12 33 00-0028		Horizontal Turbine Meters *(33 12 33 00-0021)*		
	33 12 33 00-0029	EA	1-1/2" Diameter, 0-120 GPM Horizontal Turbine Meter, Flanged	676.90	103.28
	33 12 33 00-0030	EA	2" Diameter, 0-160 GPM Horizontal Turbine Meter, Flanged	939.11	130.89
	33 12 33 00-0031	EA	3" Diameter, 0-600 GPM Horizontal Turbine Meter, Flanged	1,235.59	214.11
	33 12 33 00-0032	EA	4" Diameter, 0-1,000 GPM Horizontal Turbine Meter, Flanged	1,775.67	296.50
	33 12 33 00-0033	EA	6" Diameter, 0-2,000 GPM Horizontal Turbine Meter, Flanged	3,548.38	436.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 12 33 00-0034	EA	8" Diameter, 0-3,500 GPM Horizontal Turbine Meter, Flanged	4,750.65	572.72
33 12 33 00-0035	EA	10" Diameter, 0-5,500 GPM Horizontal Turbine Meter, Flanged	6,532.18	694.17
33 12 33 00-0036	EA	12" Diameter, 0-6,600 GPM Horizontal Turbine Meter, Flanged	7,702.64	845.65

33 13 Disinfecting of Water Utility Distribution *(33 10)*

33 13 00 00-0001 Water Main Disinfection/Sterilization *(33 13)*

Note: Gas chlorination. Continuous or plug method.

33 13 00 00-0002	EA	Setting Up And Removing Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method	759.03
33 13 00 00-0003	EA	Re-Set Up/Move Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method	379.52
33 13 00 00-0004	LF	Up To 4" Diameter Pipe Water Main Disinfection/Sterilization	0.28
		For >250 To 500, Deduct	*-0.01*
		For >500 To 1,000, Deduct	*-0.03*
		For >1,000 To 2,000, Deduct	*-0.04*
		For >2,000 To 5,000, Deduct	*-0.06*
		For >5,000, Deduct	*-0.07*
33 13 00 00-0005	LF	6" Diameter Pipe Water Main Disinfection/Sterilization	0.44
		For >250 To 500, Deduct	*-0.02*
		For >500 To 1,000, Deduct	*-0.04*
		For >1,000 To 2,000, Deduct	*-0.07*
		For >2,000 To 5,000, Deduct	*-0.09*
		For >5,000, Deduct	*-0.11*
33 13 00 00-0006	LF	8" Diameter Pipe Water Main Disinfection/Sterilization	0.57
		For >250 To 500, Deduct	*-0.03*
		For >500 To 1,000, Deduct	*-0.06*
		For >1,000 To 2,000, Deduct	*-0.09*
		For >2,000 To 5,000, Deduct	*-0.11*
		For >5,000, Deduct	*-0.14*
33 13 00 00-0007	LF	10" Diameter Pipe Water Main Disinfection/Sterilization	0.67
		For >250 To 500, Deduct	*-0.03*
		For >500 To 1,000, Deduct	*-0.07*
		For >1,000 To 2,000, Deduct	*-0.10*
		For >2,000 To 5,000, Deduct	*-0.13*
		For >5,000, Deduct	*-0.17*
33 13 00 00-0008	LF	12" Diameter Pipe Water Main Disinfection/Sterilization	0.87
		For >250 To 500, Deduct	*-0.04*
		For >500 To 1,000, Deduct	*-0.09*
		For >1,000 To 2,000, Deduct	*-0.13*
		For >2,000 To 5,000, Deduct	*-0.17*
		For >5,000, Deduct	*-0.22*
33 13 00 00-0009	LF	>12" To 16" Diameter Pipe Water Main Disinfection/Sterilization	0.99
		For >250 To 500, Deduct	*-0.05*
		For >500 To 1,000, Deduct	*-0.10*
		For >1,000 To 2,000, Deduct	*-0.15*
		For >2,000 To 5,000, Deduct	*-0.20*
		For >5,000, Deduct	*-0.25*
33 13 00 00-0010	LF	>16" To 24" Diameter Pipe Water Main Disinfection/Sterilization	1.14
		For >250 To 500, Deduct	*-0.06*
		For >500 To 1,000, Deduct	*-0.11*
		For >1,000 To 2,000, Deduct	*-0.17*
		For >2,000 To 5,000, Deduct	*-0.23*
		For >5,000, Deduct	*-0.29*
33 13 00 00-0011	LF	>24" To 30" Diameter Pipe Water Main Disinfection/Sterilization	1.34
		For >250 To 500, Deduct	*-0.07*
		For >500 To 1,000, Deduct	*-0.13*
		For >1,000 To 2,000, Deduct	*-0.20*
		For >2,000 To 5,000, Deduct	*-0.27*
		For >5,000, Deduct	*-0.34*
33 13 00 00-0012	LF	>30" To 42" Diameter Pipe Water Main Disinfection/Sterilization	1.73
		For >250 To 500, Deduct	*-0.09*
		For >500 To 1,000, Deduct	*-0.17*
		For >1,000 To 2,000, Deduct	*-0.26*
		For >2,000 To 5,000, Deduct	*-0.35*
		For >5,000, Deduct	*-0.43*
33 13 00 00-0013	LF	>42" To 60" Diameter Pipe Water Main Disinfection/Sterilization	2.53
		For >250 To 500, Deduct	*-0.13*
		For >500 To 1,000, Deduct	*-0.25*
		For >1,000 To 2,000, Deduct	*-0.38*
		For >2,000 To 5,000, Deduct	*-0.51*
		For >5,000, Deduct	*-0.63*
33 13 00 00-0014	LF	>60" Diameter Pipe Water Main Disinfection/Sterilization	3.51
		For >250 To 500, Deduct	*-0.18*
		For >500 To 1,000, Deduct	*-0.35*
		For >1,000 To 2,000, Deduct	*-0.53*
		For >2,000 To 5,000, Deduct	*-0.70*
		For >5,000, Deduct	*-0.88*

33 16 Water Utility Storage Tanks *(33 10)*

33 16 13 Aboveground Water Utility Storage Tanks *(33 16)*

33 16 13 13 Steel Aboveground Water Utility Storage Tanks *(33 16 13)*

See CSI section 23 13 23 16-0000 for aboveground steel storage tanks.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 16 16 Underground Water Utility Storage Tanks *(33 16)*

See CSI section 23 13 13 00-0000 for underground storage tanks.

33 20 Wells *(33)*

33 21 Water Supply Wells *(33 20)*

33 21 13 Public Water Supply Wells *(33 21)*

33 21 13 00-0001 Drill And Test Water Well *(33 21 13)*

33 21 13 00-0002 Drill Hole *(33 21 13 00-0001)*

Note: Excludes loading and hauling of spoils.

33 21 13 00-0003 Mobilization And Demobilization *(33 21 13 00-0002)*

33 21 13 00-0004	EA	Up To 12" Diameter, Well Drilling Mobilization And Demobilization	727.49	
33 21 13 00-0005	EA	>12" To 24" Diameter, Well Drilling Mobilization And Demobilization	899.65	
33 21 13 00-0006	EA	>24" To 36" Diameter, Well Drilling Mobilization And Demobilization	1,349.48	

33 21 13 00-0007 Drill Hole In Normal Soil, Sand, Gravel, O.B. *(33 21 13 00-0002)*

Note: Excludes well casing, gravel or materials.

33 21 13 00-0008	LF	6" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	17.44	
		For >100 To 250, Add		*0.44*
		For >250 To 400, Add		*0.87*
		For >400 To 600, Add		*1.31*
		For >600 To 750, Add		*1.74*
		For >750, Add		*2.18*
33 21 13 00-0009	LF	8" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	20.69	
		For >100 To 250, Add		*0.52*
		For >250 To 400, Add		*1.03*
		For >400 To 600, Add		*1.55*
		For >600 To 750, Add		*2.07*
		For >750, Add		*2.59*
33 21 13 00-0010	LF	10" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	27.67	
		For >100 To 250, Add		*0.69*
		For >250 To 400, Add		*1.38*
		For >400 To 600, Add		*2.08*
		For >600 To 750, Add		*2.77*
		For >750, Add		*3.46*
33 21 13 00-0011	LF	12" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	43.30	
		For >100 To 250, Add		*1.08*
		For >250 To 400, Add		*2.17*
		For >400 To 600, Add		*3.25*
		For >600 To 750, Add		*4.33*
		For >750, Add		*5.41*
33 21 13 00-0012	LF	14" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	62.31	
		For >100 To 250, Add		*1.56*
		For >250 To 400, Add		*3.12*
		For >400 To 600, Add		*4.67*
		For >600 To 750, Add		*6.23*
		For >750, Add		*7.79*
33 21 13 00-0013	LF	16" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	81.42	
		For >100 To 250, Add		*2.04*
		For >250 To 400, Add		*4.07*
		For >400 To 600, Add		*6.11*
		For >600 To 750, Add		*8.14*
		For >750, Add		*10.18*
33 21 13 00-0014	LF	18" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	96.71	
		For >100 To 250, Add		*2.42*
		For >250 To 400, Add		*4.84*
		For >400 To 600, Add		*7.25*
		For >600 To 750, Add		*9.67*
		For >750, Add		*12.09*
33 21 13 00-0015	LF	20" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	112.45	
		For >100 To 250, Add		*2.81*
		For >250 To 400, Add		*5.62*
		For >400 To 600, Add		*8.43*
		For >600 To 750, Add		*11.25*
		For >750, Add		*14.06*
33 21 13 00-0016	LF	22" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	132.14	
		For >100 To 250, Add		*3.30*
		For >250 To 400, Add		*6.61*
		For >400 To 600, Add		*9.91*
		For >600 To 750, Add		*13.21*
		For >750, Add		*16.52*
33 21 13 00-0017	LF	24" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	155.75	
		For >100 To 250, Add		*3.89*
		For >250 To 400, Add		*7.79*
		For >400 To 600, Add		*11.68*
		For >600 To 750, Add		*15.58*
		For >750, Add		*19.47*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 21 13 00-0018	LF	26" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	168.35	
		For >100 To 250, Add	*4.21*	
		For >250 To 400, Add	*8.42*	
		For >400 To 600, Add	*12.63*	
		For >600 To 750, Add	*16.84*	
		For >750, Add	*21.04*	
33 21 13 00-0019	LF	28" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	185.22	
		For >100 To 250, Add	*4.63*	
		For >250 To 400, Add	*9.26*	
		For >400 To 600, Add	*13.89*	
		For >600 To 750, Add	*18.52*	
		For >750, Add	*23.15*	
33 21 13 00-0020	LF	30" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	202.87	
		For >100 To 250, Add	*5.07*	
		For >250 To 400, Add	*10.14*	
		For >400 To 600, Add	*15.22*	
		For >600 To 750, Add	*20.29*	
		For >750, Add	*25.36*	
33 21 13 00-0021	LF	36" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	252.35	
		For >100 To 250, Add	*6.31*	
		For >250 To 400, Add	*12.62*	
		For >400 To 600, Add	*18.93*	
		For >600 To 750, Add	*25.24*	
		For >750, Add	*31.54*	

33 21 13 00-0022 Drill Hole In Sedimentary Rock *(33 21 13 00-0002)*

33 21 13 00-0023	LF	6" Water Well Hole Drilled In Sedimentary Rock	35.54	
		For >100 To 250, Add	*0.89*	
		For >250 To 400, Add	*1.78*	
		For >400 To 600, Add	*2.67*	
		For >600 To 750, Add	*3.55*	
		For >750, Add	*4.44*	
33 21 13 00-0024	LF	8" Water Well Hole Drilled In Sedimentary Rock	41.39	
		For >100 To 250, Add	*1.03*	
		For >250 To 400, Add	*2.07*	
		For >400 To 600, Add	*3.10*	
		For >600 To 750, Add	*4.14*	
		For >750, Add	*5.17*	
33 21 13 00-0025	LF	10" Water Well Hole Drilled In Sedimentary Rock	66.25	
		For >100 To 250, Add	*1.66*	
		For >250 To 400, Add	*3.31*	
		For >400 To 600, Add	*4.97*	
		For >600 To 750, Add	*6.63*	
		For >750, Add	*8.28*	
33 21 13 00-0026	LF	12" Water Well Hole Drilled In Sedimentary Rock	86.64	
		For >100 To 250, Add	*2.17*	
		For >250 To 400, Add	*4.33*	
		For >400 To 600, Add	*6.50*	
		For >600 To 750, Add	*8.66*	
		For >750, Add	*10.83*	
33 21 13 00-0027	LF	14" Water Well Hole Drilled In Sedimentary Rock	124.69	
		For >100 To 250, Add	*3.12*	
		For >250 To 400, Add	*6.23*	
		For >400 To 600, Add	*9.35*	
		For >600 To 750, Add	*12.47*	
		For >750, Add	*15.59*	
33 21 13 00-0028	LF	16" Water Well Hole Drilled In Sedimentary Rock	162.74	
		For >100 To 250, Add	*4.07*	
		For >250 To 400, Add	*8.14*	
		For >400 To 600, Add	*12.21*	
		For >600 To 750, Add	*16.27*	
		For >750, Add	*20.34*	
33 21 13 00-0029	LF	18" Water Well Hole Drilled In Sedimentary Rock	193.51	
		For >100 To 250, Add	*4.84*	
		For >250 To 400, Add	*9.68*	
		For >400 To 600, Add	*14.51*	
		For >600 To 750, Add	*19.35*	
		For >750, Add	*24.19*	
33 21 13 00-0030	LF	20" Water Well Hole Drilled In Sedimentary Rock	224.56	
		For >100 To 250, Add	*5.61*	
		For >250 To 400, Add	*11.23*	
		For >400 To 600, Add	*16.84*	
		For >600 To 750, Add	*22.46*	
		For >750, Add	*28.07*	
33 21 13 00-0031	LF	22" Water Well Hole Drilled In Sedimentary Rock	264.50	
		For >100 To 250, Add	*6.61*	
		For >250 To 400, Add	*13.23*	
		For >400 To 600, Add	*19.84*	
		For >600 To 750, Add	*26.45*	
		For >750, Add	*33.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 21 13 00-0032	LF	24" Water Well Hole Drilled In Sedimentary Rock	305.52	
		For >100 To 250, Add	*7.64*	
		For >250 To 400, Add	*15.28*	
		For >400 To 600, Add	*22.91*	
		For >600 To 750, Add	*30.55*	
		For >750, Add	*38.19*	
33 21 13 00-0033	LF	26" Water Well Hole Drilled In Sedimentary Rock	336.69	
		For >100 To 250, Add	*8.42*	
		For >250 To 400, Add	*16.83*	
		For >400 To 600, Add	*25.25*	
		For >600 To 750, Add	*33.67*	
		For >750, Add	*42.09*	
33 21 13 00-0034	LF	28" Water Well Hole Drilled In Sedimentary Rock	370.43	
		For >100 To 250, Add	*9.26*	
		For >250 To 400, Add	*18.52*	
		For >400 To 600, Add	*27.78*	
		For >600 To 750, Add	*37.04*	
		For >750, Add	*46.30*	
33 21 13 00-0035	LF	30" Water Well Hole Drilled In Sedimentary Rock	405.75	
		For >100 To 250, Add	*10.14*	
		For >250 To 400, Add	*20.29*	
		For >400 To 600, Add	*30.43*	
		For >600 To 750, Add	*40.58*	
		For >750, Add	*50.72*	
33 21 13 00-0036	LF	36" Water Well Hole Drilled In Sedimentary Rock	504.71	
		For >100 To 250, Add	*12.62*	
		For >250 To 400, Add	*25.24*	
		For >400 To 600, Add	*37.85*	
		For >600 To 750, Add	*50.47*	
		For >750, Add	*63.09*	

33 21 13 00-0037 Drill Hole In Crystalline Rock *(33 21 13 00-0002)*

33 21 13 00-0038	LF	6" Water Well Hole Drilled In Crystalline Rock	73.10	
		For >100 To 250, Add	*1.83*	
		For >250 To 400, Add	*3.66*	
		For >400 To 600, Add	*5.48*	
		For >600 To 750, Add	*7.31*	
		For >750, Add	*9.14*	
33 21 13 00-0039	LF	8" Water Well Hole Drilled In Crystalline Rock	84.34	
		For >100 To 250, Add	*2.11*	
		For >250 To 400, Add	*4.22*	
		For >400 To 600, Add	*6.33*	
		For >600 To 750, Add	*8.43*	
		For >750, Add	*10.54*	
33 21 13 00-0040	LF	10" Water Well Hole Drilled In Crystalline Rock	96.71	
		For >100 To 250, Add	*2.42*	
		For >250 To 400, Add	*4.84*	
		For >400 To 600, Add	*7.25*	
		For >600 To 750, Add	*9.67*	
		For >750, Add	*12.09*	
33 21 13 00-0041	LF	12" Water Well Hole Drilled In Crystalline Rock	122.58	
		For >100 To 250, Add	*3.06*	
		For >250 To 400, Add	*6.13*	
		For >400 To 600, Add	*9.19*	
		For >600 To 750, Add	*12.26*	
		For >750, Add	*15.32*	
33 21 13 00-0042	LF	14" Water Well Hole Drilled In Crystalline Rock	158.56	
		For >100 To 250, Add	*3.96*	
		For >250 To 400, Add	*7.93*	
		For >400 To 600, Add	*11.89*	
		For >600 To 750, Add	*15.86*	
		For >750, Add	*19.82*	
33 21 13 00-0043	LF	16" Water Well Hole Drilled In Crystalline Rock	230.54	
		For >100 To 250, Add	*5.76*	
		For >250 To 400, Add	*11.53*	
		For >400 To 600, Add	*17.29*	
		For >600 To 750, Add	*23.05*	
		For >750, Add	*28.82*	
33 21 13 00-0044	LF	18" Water Well Hole Drilled In Crystalline Rock	274.40	
		For >100 To 250, Add	*6.86*	
		For >250 To 400, Add	*13.72*	
		For >400 To 600, Add	*20.58*	
		For >600 To 750, Add	*27.44*	
		For >750, Add	*34.30*	
33 21 13 00-0045	LF	20" Water Well Hole Drilled In Crystalline Rock	318.26	
		For >100 To 250, Add	*7.96*	
		For >250 To 400, Add	*15.91*	
		For >400 To 600, Add	*23.87*	
		For >600 To 750, Add	*31.83*	
		For >750, Add	*39.78*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 21 13 00-0046	LF	22" Water Well Hole Drilled In Crystalline Rock	374.48	
		For >100 To 250, Add	*9.36*	
		For >250 To 400, Add	*18.72*	
		For >400 To 600, Add	*28.09*	
		For >600 To 750, Add	*37.45*	
		For >750, Add	*46.81*	
33 21 13 00-0047	LF	24" Water Well Hole Drilled In Crystalline Rock	432.96	
		For >100 To 250, Add	*10.82*	
		For >250 To 400, Add	*21.65*	
		For >400 To 600, Add	*32.47*	
		For >600 To 750, Add	*43.30*	
		For >750, Add	*54.12*	

33 21 13 00-0048 Furnish And Install Casing *(33 21 13 00-0001)*

Note: Excludes drilling of hole.

33 21 13 00-0049 Steel Well Casing *(33 21 13 00-0048)*

33 21 13 00-0050	LF	6" Diameter, Steel Well Casing, Flush	24.80	
		For >100 To 250, Deduct	*-0.79*	
		For >250 To 400, Deduct	*-1.41*	
		For >400 To 600, Deduct	*-2.12*	
		For >600 To 750, Deduct	*-2.82*	
		For >750, Deduct	*-3.75*	
33 21 13 00-0051	LF	8" Diameter, Steel Well Casing, Flush	30.85	
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 400, Deduct	*-1.76*	
		For >400 To 600, Deduct	*-2.63*	
		For >600 To 750, Deduct	*-3.51*	
		For >750, Deduct	*-4.67*	
33 21 13 00-0052	LF	10" Diameter, Steel Well Casing, Flush	44.87	
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 400, Deduct	*-2.50*	
		For >400 To 600, Deduct	*-3.75*	
		For >600 To 750, Deduct	*-5.00*	
		For >750, Deduct	*-6.58*	
33 21 13 00-0053	LF	12" Diameter, Steel Well Casing, Flush	73.64	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 400, Deduct	*-3.99*	
		For >400 To 600, Deduct	*-5.98*	
		For >600 To 750, Deduct	*-7.98*	
		For >750, Deduct	*-10.37*	
33 21 13 00-0054	LF	14" Diameter, Steel Well Casing, Flush	83.71	
		For >100 To 250, Deduct	*-2.52*	
		For >250 To 400, Deduct	*-4.61*	
		For >400 To 600, Deduct	*-6.92*	
		For >600 To 750, Deduct	*-9.23*	
		For >750, Deduct	*-12.09*	
33 21 13 00-0055	LF	16" Diameter, Steel Well Casing, Flush	98.64	
		For >100 To 250, Deduct	*-3.00*	
		For >250 To 400, Deduct	*-5.46*	
		For >400 To 600, Deduct	*-8.19*	
		For >600 To 750, Deduct	*-10.92*	
		For >750, Deduct	*-14.34*	
33 21 13 00-0056	LF	18" Diameter, Steel Well Casing, Flush	113.38	
		For >100 To 250, Deduct	*-3.50*	
		For >250 To 400, Deduct	*-6.34*	
		For >400 To 600, Deduct	*-9.50*	
		For >600 To 750, Deduct	*-12.67*	
		For >750, Deduct	*-16.70*	
33 21 13 00-0057	LF	20" Diameter, Steel Well Casing, Flush	130.07	
		For >100 To 250, Deduct	*-4.07*	
		For >250 To 400, Deduct	*-7.32*	
		For >400 To 600, Deduct	*-10.98*	
		For >600 To 750, Deduct	*-14.65*	
		For >750, Deduct	*-19.37*	
33 21 13 00-0058	LF	24" Diameter, Steel Well Casing, Flush	151.54	
		For >100 To 250, Deduct	*-4.71*	
		For >250 To 400, Deduct	*-8.50*	
		For >400 To 600, Deduct	*-12.75*	
		For >600 To 750, Deduct	*-17.00*	
		For >750, Deduct	*-22.45*	
33 21 13 00-0059	LB	Steel Well Casing, Furnish And Install	0.89	
		For >100 To 250, Deduct	*-0.03*	
		For >250 To 400, Deduct	*-0.06*	
		For >400 To 600, Deduct	*-0.08*	
		For >600 To 750, Deduct	*-0.11*	
		For >750, Deduct	*-0.16*	

33 21 13 00-0060 Stainless Steel Well Casing, Flush Threaded *(33 21 13 00-0048)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 21 13 00-0061	LF	6" Diameter, Stainless Steel Well Casing, Flush	55.78	
		For >100 To 250, Deduct	*-1.57*	
		For >250 To 400, Deduct	*-2.96*	
		For >400 To 600, Deduct	*-4.44*	
		For >600 To 750, Deduct	*-5.92*	
		For >750, Deduct	*-7.62*	
33 21 13 00-0062	LF	8" Diameter, Stainless Steel Well Casing, Flush	83.48	
		For >100 To 250, Deduct	*-2.30*	
		For >250 To 400, Deduct	*-4.39*	
		For >400 To 600, Deduct	*-6.58*	
		For >600 To 750, Deduct	*-8.78*	
		For >750, Deduct	*-11.25*	
33 21 13 00-0063	LF	10" Diameter, Stainless Steel Well Casing, Flush	116.47	
		For >100 To 250, Deduct	*-3.19*	
		For >250 To 400, Deduct	*-6.10*	
		For >400 To 600, Deduct	*-9.15*	
		For >600 To 750, Deduct	*-12.19*	
		For >750, Deduct	*-15.60*	
33 21 13 00-0064	LF	12" Diameter, Stainless Steel Well Casing, Flush	135.49	
		For >100 To 250, Deduct	*-3.71*	
		For >250 To 400, Deduct	*-7.10*	
		For >400 To 600, Deduct	*-10.65*	
		For >600 To 750, Deduct	*-14.20*	
		For >750, Deduct	*-18.17*	

33 21 13 00-0065 Stainless Steel Well Casing, Welded *(33 21 13 00-0048)*

33 21 13 00-0066	LF	10" Diameter, Stainless Steel Well Casing, Welded	124.66	
		For >100 To 250, Deduct	*-3.59*	
		For >250 To 400, Deduct	*-6.71*	
		For >400 To 600, Deduct	*-10.07*	
		For >600 To 750, Deduct	*-13.42*	
		For >750, Deduct	*-17.40*	
33 21 13 00-0067	LF	12" Diameter, Stainless Steel Well Casing, Welded	144.37	
		For >100 To 250, Deduct	*-4.16*	
		For >250 To 400, Deduct	*-7.76*	
		For >400 To 600, Deduct	*-11.65*	
		For >600 To 750, Deduct	*-15.53*	
		For >750, Deduct	*-20.12*	
33 21 13 00-0068	LF	14" Diameter, Stainless Steel Well Casing, Welded	173.22	
		For >100 To 250, Deduct	*-4.95*	
		For >250 To 400, Deduct	*-9.28*	
		For >400 To 600, Deduct	*-13.91*	
		For >600 To 750, Deduct	*-18.55*	
		For >750, Deduct	*-23.99*	
33 21 13 00-0069	LF	16" Diameter, Stainless Steel Well Casing, Welded	198.32	
		For >100 To 250, Deduct	*-5.66*	
		For >250 To 400, Deduct	*-10.62*	
		For >400 To 600, Deduct	*-15.92*	
		For >600 To 750, Deduct	*-21.23*	
		For >750, Deduct	*-27.45*	
33 21 13 00-0070	LF	18" Diameter, Stainless Steel Well Casing, Welded	219.19	
		For >100 To 250, Deduct	*-6.28*	
		For >250 To 400, Deduct	*-11.76*	
		For >400 To 600, Deduct	*-17.64*	
		For >600 To 750, Deduct	*-23.52*	
		For >750, Deduct	*-30.45*	
33 21 13 00-0071	LF	20" Diameter, Stainless Steel Well Casing, Welded	286.59	
		For >100 To 250, Deduct	*-8.12*	
		For >250 To 400, Deduct	*-15.29*	
		For >400 To 600, Deduct	*-22.93*	
		For >600 To 750, Deduct	*-30.57*	
		For >750, Deduct	*-39.46*	
33 21 13 00-0072	LF	24" Diameter, Stainless Steel Well Casing, Welded	377.18	
		For >100 To 250, Deduct	*-10.62*	
		For >250 To 400, Deduct	*-20.05*	
		For >400 To 600, Deduct	*-30.08*	
		For >600 To 750, Deduct	*-40.11*	
		For >750, Deduct	*-51.69*	

33 21 13 00-0073 Polyvinyl Chloride (PVC) Well Casing, Schedule 80 *(33 21 13 00-0048)*

33 21 13 00-0074	LF	6" Polyvinyl Chloride (PVC) Well Casing	24.74	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 400, Deduct	*-1.37*	
		For >400 To 600, Deduct	*-2.06*	
		For >600 To 750, Deduct	*-2.75*	
		For >750, Deduct	*-3.61*	
33 21 13 00-0075	LF	8" Polyvinyl Chloride (PVC) Well Casing	39.24	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 400, Deduct	*-2.18*	
		For >400 To 600, Deduct	*-3.26*	
		For >600 To 750, Deduct	*-4.35*	
		For >750, Deduct	*-5.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 21 13 00-0076	LF	10" Polyvinyl Chloride (PVC) Well Casing	59.32	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 400, Deduct	*-3.29*	
		For >400 To 600, Deduct	*-4.94*	
		For >600 To 750, Deduct	*-6.58*	
		For >750, Deduct	*-8.65*	
33 21 13 00-0077	LF	12" Polyvinyl Chloride (PVC) Well Casing	70.14	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 400, Deduct	*-3.90*	
		For >400 To 600, Deduct	*-5.85*	
		For >600 To 750, Deduct	*-7.80*	
		For >750, Deduct	*-10.26*	

33 21 13 00-0078 Furnish And Install Well Screen Assembly *(33 21 13 00-0001)*

33 21 13 00-0079 Stainless Steel Well Screen *(33 21 13 00-0078)*

33 21 13 00-0080	LF	2" Stainless Steel Well Screen	18.08	1.36
		For >100 To 250, Deduct	*-0.63*	
		For >250 To 400, Deduct	*-1.08*	
		For >400 To 600, Deduct	*-1.62*	
		For >600 To 750, Deduct	*-2.16*	
		For >750, Deduct	*-2.93*	
33 21 13 00-0081	LF	3" Stainless Steel Well Screen	28.18	1.36
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 400, Deduct	*-1.60*	
		For >400 To 600, Deduct	*-2.40*	
		For >600 To 750, Deduct	*-3.20*	
		For >750, Deduct	*-4.24*	
33 21 13 00-0082	LF	4" Stainless Steel Well Screen	35.41	2.05
		For >100 To 250, Deduct	*-1.12*	
		For >250 To 400, Deduct	*-2.01*	
		For >400 To 600, Deduct	*-3.01*	
		For >600 To 750, Deduct	*-4.02*	
		For >750, Deduct	*-5.33*	
33 21 13 00-0083	LF	5" Stainless Steel Well Screen	44.66	2.05
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 400, Deduct	*-2.52*	
		For >400 To 600, Deduct	*-3.78*	
		For >600 To 750, Deduct	*-5.04*	
		For >750, Deduct	*-6.66*	
33 21 13 00-0084	LF	6" Stainless Steel Well Screen	53.80	2.73
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 400, Deduct	*-3.07*	
		For >400 To 600, Deduct	*-4.60*	
		For >600 To 750, Deduct	*-6.14*	
		For >750, Deduct	*-8.17*	
33 21 13 00-0085	LF	8" Stainless Steel Well Screen	70.16	3.41
		For >100 To 250, Deduct	*-2.24*	
		For >250 To 400, Deduct	*-3.99*	
		For >400 To 600, Deduct	*-5.99*	
		For >600 To 750, Deduct	*-7.99*	
		For >750, Deduct	*-10.61*	
33 21 13 00-0086	LF	10" Stainless Steel Well Screen	89.25	5.47
		For >100 To 250, Deduct	*-2.89*	
		For >250 To 400, Deduct	*-5.12*	
		For >400 To 600, Deduct	*-7.68*	
		For >600 To 750, Deduct	*-10.24*	
		For >750, Deduct	*-13.65*	
33 21 13 00-0087	LF	12" Stainless Steel Well Screen	104.68	6.83
		For >100 To 250, Deduct	*-3.38*	
		For >250 To 400, Deduct	*-6.00*	
		For >400 To 600, Deduct	*-9.00*	
		For >600 To 750, Deduct	*-12.00*	
		For >750, Deduct	*-15.99*	
33 21 13 00-0088	LF	14" Stainless Steel Well Screen	115.16	7.52
		For >100 To 250, Deduct	*-3.76*	
		For >250 To 400, Deduct	*-6.64*	
		For >400 To 600, Deduct	*-9.96*	
		For >600 To 750, Deduct	*-13.28*	
		For >750, Deduct	*-17.74*	
33 21 13 00-0089	LF	16" Stainless Steel Well Screen	124.86	8.88
		For >100 To 250, Deduct	*-4.11*	
		For >250 To 400, Deduct	*-7.23*	
		For >400 To 600, Deduct	*-10.85*	
		For >600 To 750, Deduct	*-14.47*	
		For >750, Deduct	*-19.37*	
33 21 13 00-0090	LF	18" Stainless Steel Well Screen	150.05	10.24
		For >100 To 250, Deduct	*-4.97*	
		For >250 To 400, Deduct	*-8.72*	
		For >400 To 600, Deduct	*-13.08*	
		For >600 To 750, Deduct	*-17.44*	
		For >750, Deduct	*-23.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 21 13 00-0091	LF	20" Stainless Steel Well Screen	189.23	12.97
		For >100 To 250, Deduct	*-6.26*	
		For >250 To 400, Deduct	*-10.99*	
		For >400 To 600, Deduct	*-16.49*	
		For >600 To 750, Deduct	*-21.99*	
		For >750, Deduct	*-29.48*	
33 21 13 00-0092	LF	24" Stainless Steel Well Screen	245.59	17.08
		For >100 To 250, Deduct	*-8.15*	
		For >250 To 400, Deduct	*-14.29*	
		For >400 To 600, Deduct	*-21.43*	
		For >600 To 750, Deduct	*-28.58*	
		For >750, Deduct	*-38.33*	
33 21 13 00-0093	LF	26" Stainless Steel Well Screen	282.97	19.81
		For >100 To 250, Deduct	*-9.35*	
		For >250 To 400, Deduct	*-16.43*	
		For >400 To 600, Deduct	*-24.64*	
		For >600 To 750, Deduct	*-32.85*	
		For >750, Deduct	*-44.02*	

33 21 13 00-0094 Slotted Polyvinyl Chloride (PVC) Well Screen, Schedule 40 *(33 21 13 00-0078)*

33 21 13 00-0095	LF	1-1/4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	8.49	
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 400, Deduct	*-0.54*	
		For >400 To 600, Deduct	*-0.81*	
		For >600 To 750, Deduct	*-1.08*	
		For >750, Deduct	*-1.50*	
		For Schedule 80, Add	*1.54*	
33 21 13 00-0096	LF	1-1/2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	9.57	
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 400, Deduct	*-0.60*	
		For >400 To 600, Deduct	*-0.90*	
		For >600 To 750, Deduct	*-1.21*	
		For >750, Deduct	*-1.67*	
		For Schedule 80, Add	*1.84*	
33 21 13 00-0097	LF	2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	14.25	
		For >100 To 250, Deduct	*-0.58*	
		For >250 To 400, Deduct	*-0.93*	
		For >400 To 600, Deduct	*-1.40*	
		For >600 To 750, Deduct	*-1.87*	
		For >750, Deduct	*-2.62*	
		For Schedule 80, Add	*2.15*	
33 21 13 00-0098	LF	3" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	19.55	
		For >100 To 250, Deduct	*-0.73*	
		For >250 To 400, Deduct	*-1.22*	
		For >400 To 600, Deduct	*-1.83*	
		For >600 To 750, Deduct	*-2.43*	
		For >750, Deduct	*-3.35*	
		For Schedule 80, Add	*3.99*	
33 21 13 00-0099	LF	4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	24.62	
		For >100 To 250, Deduct	*-0.92*	
		For >250 To 400, Deduct	*-1.53*	
		For >400 To 600, Deduct	*-2.30*	
		For >600 To 750, Deduct	*-3.07*	
		For >750, Deduct	*-4.23*	
		For Schedule 80, Add	*5.00*	
33 21 13 00-0100	LF	5" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	30.54	
		For >100 To 250, Deduct	*-1.12*	
		For >250 To 400, Deduct	*-1.89*	
		For >400 To 600, Deduct	*-2.83*	
		For >600 To 750, Deduct	*-3.78*	
		For >750, Deduct	*-5.19*	
		For Schedule 80, Add	*6.44*	
33 21 13 00-0101	LF	6" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	34.97	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 400, Deduct	*-2.23*	
		For >400 To 600, Deduct	*-3.34*	
		For >600 To 750, Deduct	*-4.46*	
		For >750, Deduct	*-6.20*	
		For Schedule 80, Add	*6.29*	
33 21 13 00-0102	LF	8" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	49.17	
		For >100 To 250, Deduct	*-1.84*	
		For >250 To 400, Deduct	*-3.07*	
		For >400 To 600, Deduct	*-4.61*	
		For >600 To 750, Deduct	*-6.15*	
		For >750, Deduct	*-8.49*	
		For Schedule 80, Add	*9.82*	

33 21 13 00-0103 Furnish And Install Gravel Pack Material *(33 21 13 00-0001)*
Note: Quantity is based on 3" space between wall and the casing or well screen.

33 21 13 00-0104 Artificial Gravel Pack *(33 21 13 00-0103)*
Note: Excludes casing.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 21 13 00-0105	LF	Artificial Gravel Pack, 6" Casing, 2" Screen	12.64	
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 400, Deduct	*-0.83*	
		For >400 To 600, Deduct	*-1.24*	
		For >600 To 750, Deduct	*-1.66*	
		For >750, Deduct	*-2.33*	
33 21 13 00-0106	LF	Artificial Gravel Pack, 8" Casing, 2" Screen	18.84	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 400, Deduct	*-1.25*	
		For >400 To 600, Deduct	*-1.87*	
		For >600 To 750, Deduct	*-2.50*	
		For >750, Deduct	*-3.52*	
33 21 13 00-0107	LF	Artificial Gravel Pack, 10" Casing, 2" Screen	26.57	
		For >100 To 250, Deduct	*-1.12*	
		For >250 To 400, Deduct	*-1.79*	
		For >400 To 600, Deduct	*-2.68*	
		For >600 To 750, Deduct	*-3.57*	
		For >750, Deduct	*-5.06*	
33 21 13 00-0108	LF	Artificial Gravel Pack, 12" Casing, 2" Screen	33.86	
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 400, Deduct	*-2.26*	
		For >400 To 600, Deduct	*-3.39*	
		For >600 To 750, Deduct	*-4.52*	
		For >750, Deduct	*-6.40*	
33 21 13 00-0109	LF	Artificial Gravel Pack, 14" Casing, 2" Screen	41.53	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 400, Deduct	*-2.76*	
		For >400 To 600, Deduct	*-4.14*	
		For >600 To 750, Deduct	*-5.51*	
		For >750, Deduct	*-7.78*	
33 21 13 00-0110	LF	Artificial Gravel Pack, 16" Casing, 2" Screen	53.32	
		For >100 To 250, Deduct	*-2.17*	
		For >250 To 400, Deduct	*-3.51*	
		For >400 To 600, Deduct	*-5.26*	
		For >600 To 750, Deduct	*-7.01*	
		For >750, Deduct	*-9.85*	
33 21 13 00-0111	LF	Artificial Gravel Pack, 18" Casing, 2" Screen	60.99	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 400, Deduct	*-4.00*	
		For >400 To 600, Deduct	*-6.00*	
		For >600 To 750, Deduct	*-8.00*	
		For >750, Deduct	*-11.23*	
33 21 13 00-0112	LF	Artificial Gravel Pack, 20" Casing, 2" Screen	72.78	
		For >100 To 250, Deduct	*-2.98*	
		For >250 To 400, Deduct	*-4.80*	
		For >400 To 600, Deduct	*-7.20*	
		For >600 To 750, Deduct	*-9.59*	
		For >750, Deduct	*-13.50*	
33 21 13 00-0113	LF	Artificial Gravel Pack, 24" Casing, 2" Screen	82.53	
		For >100 To 250, Deduct	*-3.39*	
		For >250 To 400, Deduct	*-5.46*	
		For >400 To 600, Deduct	*-8.18*	
		For >600 To 750, Deduct	*-10.91*	
		For >750, Deduct	*-15.37*	
33 21 13 00-0114	LF	Artificial Gravel Pack, 26" Casing, 2" Screen	88.46	
		For >100 To 250, Deduct	*-3.60*	
		For >250 To 400, Deduct	*-5.81*	
		For >400 To 600, Deduct	*-8.72*	
		For >600 To 750, Deduct	*-11.62*	
		For >750, Deduct	*-16.33*	
33 21 13 00-0115	LF	Artificial Gravel Pack, 30" Casing, 2" Screen	106.05	
		For >100 To 250, Deduct	*-4.36*	
		For >250 To 400, Deduct	*-7.01*	
		For >400 To 600, Deduct	*-10.52*	
		For >600 To 750, Deduct	*-14.02*	
		For >750, Deduct	*-19.75*	
33 21 13 00-0116	LF	Artificial Gravel Pack, 36" Casing, 2" Screen	123.82	
		For >100 To 250, Deduct	*-5.18*	
		For >250 To 400, Deduct	*-8.27*	
		For >400 To 600, Deduct	*-12.41*	
		For >600 To 750, Deduct	*-16.55*	
		For >750, Deduct	*-23.39*	

33 21 13 00-0117 Develop Well *(33 21 13 00-0001)*

Note: Pump out drilled well to remove debris and fine material remaining from the drilling process. Excludes disposal.

33 21 13 00-0118	HR	Develop Well	255.95	

33 21 13 00-0119 Pump Test *(33 21 13 00-0001)*

Note: To determine water level and GPM flow rate.

33 21 13 00-0120	HR	Pump Test Well	229.91	

33 21 13 00-0121 Test Well *(33 21 13 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 21 13 00-0122	VLF	2-1/2" Diameter Test Well	73.01	
33 21 13 00-0123		**Surface Seal, Concrete Filled** *(33 21 13)*		
33 21 13 00-0124	SF	Surface Seal Well, Concrete Filled	23.80	
33 21 13 00-0125		**Other Water Well** *(33 21 13)*		
33 21 13 00-0126	SF	Patch Hole In Well Casing	69.93	
33 21 13 00-0127	SF	1/2" Pressure Grout Well	1.81	
33 21 13 00-0128	SF	1" Pressure Grout Well	2.92	
33 21 13 00-0129	CF	Sediment Removal In Well Casing For Existing Well	4.27	
33 21 13 00-0130		**Sterilization Of Well** *(33 21 13)*		
33 21 13 00-0131	EA	Well Sterilization, Chlorine	1,294.80	
33 21 13 00-0132		**Submersible Well Pumps** *(33 21 13)* Note: Includes pump end, motor and control box.		
33 21 13 00-0133		**4" Submersible Well Pumps** *(33 21 13 00-0132)*		
33 21 13 00-0134		**Powder Coated Case And Cast Iron Ends** *(33 21 13 00-0133)*		
33 21 13 00-0135	EA	1/2 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,095.25	341.31
33 21 13 00-0136	EA	3/4 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,251.64	378.29
33 21 13 00-0137	EA	1 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,388.85	420.33
33 21 13 00-0138		**Stainless Steel Case And Ends** *(33 21 13 00-0133)*		
33 21 13 00-0139	EA	1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,260.28	336.26
33 21 13 00-0140	EA	3/4 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,440.42	378.29
33 21 13 00-0141	EA	1 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,617.17	420.33
33 21 13 00-0142	EA	1-1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,864.00	462.36
33 21 13 00-0143	EA	2 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,121.00	504.39
33 21 13 00-0144	EA	3 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,628.22	588.46
33 21 13 00-0145	EA	5 HP Submersible Well Pump, 4" Diameter Stainless Steel	3,346.80	672.52
33 21 13 00-0146		**6" Submersible Well Pumps** *(33 21 13 00-0132)*		
33 21 13 00-0147	EA	5 HP Submersible Well Pump, 6" Diameter Stainless Steel	3,141.65	840.65
33 21 13 00-0148	EA	7.5 HP Submersible Well Pump, 6" Diameter Stainless Steel	3,649.90	924.72
33 21 13 00-0149	EA	10 HP Submersible Well Pump, 6" Diameter Stainless Steel	4,179.83	1,008.78
33 21 13 00-0150	EA	15 HP Submersible Well Pump, 6" Diameter Stainless Steel	5,326.51	1,176.91
33 26 Relief Wells *(33 20)*				
33 26 00 00-0001		**Drainage Wells** *(33 26)*		
33 26 00 00-0002	LF	12" Diameter Drainage Well With Corrugated Metal Liner	21.43	
33 26 00 00-0003	LF	18" Diameter Drainage Well With Corrugated Metal Liner	25.88	
33 26 00 00-0004	LF	24" Diameter Drainage Well With Corrugated Metal Liner	34.11	
33 30 Sanitary Sewerage Utilities *(33)*				
33 31 Sanitary Utility Sewerage Piping *(33 30)* Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.				
33 31 00 00-0001		**Plastic Sewer And Drain Piping** *(33 31)*		
33 31 00 00-0002		**Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe** *(33 31 00 00-0001)*		
33 31 00 00-0003	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	4.19	2.50
33 31 00 00-0004	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	5.10	3.03
33 31 00 00-0005	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	7.65	4.32
33 31 00 00-0006	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	8.74	4.70
33 31 00 00-0007	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	11.98	6.06
33 31 00 00-0008	LF	8" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	16.65	8.11
33 31 00 00-0009	LF	10" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	23.71	10.76
33 31 00 00-0010		**Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe** *(33 31 00 00-0001)* Note: D-2729 PVC pipe.		
33 31 00 00-0011	LF	3" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	7.06	4.26
33 31 00 00-0012	LF	4" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	8.83	5.39
33 31 00 00-0013	LF	6" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	13.61	8.08
33 31 00 00-0014		**Polyvinyl Chloride (PVC) Sewer And Drain Fittings** *(33 31 00 00-0001)*		

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 00 00-0015		1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain *(33 31 00 00-0014)*		
33 31 00 00-0016	EA	1-1/2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	15.62	10.08
33 31 00 00-0017	EA	2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	20.13	13.04
33 31 00 00-0018	EA	3" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	28.23	17.50
33 31 00 00-0019	EA	4" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	34.41	20.24
33 31 00 00-0020	EA	6" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	64.46	26.30
33 31 00 00-0021	EA	8" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	95.83	35.39
33 31 00 00-0022	EA	10" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	127.15	47.14
33 31 00 00-0023		1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain *(33 31 00 00-0014)*		
33 31 00 00-0024	EA	1-1/2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	15.73	10.08
33 31 00 00-0025	EA	2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	20.12	13.04
33 31 00 00-0026	EA	3" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	28.06	17.50
33 31 00 00-0027	EA	4" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	33.58	20.24
33 31 00 00-0028	EA	6" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	62.34	26.30
33 31 00 00-0029	EA	8" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	90.92	35.39
33 31 00 00-0030	EA	10" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	112.70	47.14
33 31 00 00-0031		Long Sweep 1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain *(33 31 00 00-0014)*		
33 31 00 00-0032	EA	1-1/2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	16.80	9.93
33 31 00 00-0033	EA	2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	20.93	13.04
33 31 00 00-0034	EA	3" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	30.85	17.89
33 31 00 00-0035	EA	4" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	40.54	21.83
33 31 00 00-0036	EA	6" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	55.56	25.24
33 31 00 00-0037	EA	8" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	76.51	28.80
33 31 00 00-0038	EA	10" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	106.65	33.57
33 31 00 00-0039		1/16 Bends, Polyvinyl Chloride (PVC) Sewer And Drain *(33 31 00 00-0014)*		
33 31 00 00-0040	EA	1-1/2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	15.97	10.08
33 31 00 00-0041	EA	2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	20.38	13.04
33 31 00 00-0042	EA	3" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	28.77	17.50
33 31 00 00-0043	EA	4" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	34.89	20.24
33 31 00 00-0044	EA	6" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	71.48	26.30
33 31 00 00-0045	EA	8" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	106.07	35.39
33 31 00 00-0046	EA	10" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	129.47	47.14
33 31 00 00-0047		Reducers, Polyvinyl Chloride (PVC) Sewer And Drain *(33 31 00 00-0014)*		
33 31 00 00-0048	EA	2" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	20.49	13.04
33 31 00 00-0049	EA	3" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	30.01	17.89
33 31 00 00-0050	EA	3" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	29.50	17.89
33 31 00 00-0051	EA	4" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	35.50	20.24
33 31 00 00-0052	EA	4" x 3" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	35.74	20.24
33 31 00 00-0053	EA	6" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	61.49	26.30
33 31 00 00-0054	EA	8" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	96.69	31.07
33 31 00 00-0055	EA	10" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	109.17	56.16
33 31 00 00-0056	EA	10" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	123.15	56.16
33 31 00 00-0057	EA	10" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	117.62	56.16
33 31 00 00-0058		Sanitary Tees, Polyvinyl Chloride (PVC) Sewer And Drain *(33 31 00 00-0014)*		
33 31 00 00-0059	EA	1-1/2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	23.71	15.24
33 31 00 00-0060	EA	2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	30.76	19.70
33 31 00 00-0061	EA	3" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	42.36	26.00
33 31 00 00-0062	EA	4" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	54.76	32.29
33 31 00 00-0063	EA	6" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	90.10	35.39
33 31 00 00-0064	EA	8" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	118.62	47.14
33 31 00 00-0065		Wyes, Polyvinyl Chloride (PVC) Sewer And Drain *(33 31 00 00-0014)*		
33 31 00 00-0066	EA	1-1/2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	24.59	15.24
33 31 00 00-0067	EA	2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	31.26	19.70
33 31 00 00-0068	EA	3" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	43.02	26.00
33 31 00 00-0069	EA	4" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	55.83	32.29
33 31 00 00-0070	EA	6" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	86.10	35.39
33 31 00 00-0071	EA	8" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	111.03	47.14
33 31 00 00-0072	EA	10" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	147.18	62.90
33 31 00 00-0073		Reducing Wyes, Polyvinyl Chloride (PVC) Sewer And Drain *(33 31 00 00-0014)*		
33 31 00 00-0074	EA	2" x 1-1/2" x 1-1/2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	25.96	15.24
33 31 00 00-0075	EA	2" x 2" x 1" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	32.60	19.70
33 31 00 00-0076	EA	3" x 3" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	42.12	26.00
33 31 00 00-0077	EA	4" x 4" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	54.36	32.29
33 31 00 00-0078	EA	4" x 4" x 3" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	55.36	32.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 00 00-0079		**Double Wyes, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 00 00-0014)*		
33 31 00 00-0080	EA	1-1/2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	33.24	19.70
33 31 00 00-0081	EA	2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	43.83	26.00
33 31 00 00-0082	EA	3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	65.00	35.09
33 31 00 00-0083	EA	4" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	88.83	42.44
33 31 00 00-0084	EA	2" x 2" x 1-1/2" x 1-1/2 Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	43.42	26.00
33 31 00 00-0085	EA	3" x 3" x 2" x 2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	61.83	35.09
33 31 00 00-0086	EA	4" x 4" x 3" x 3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	83.59	42.44
33 31 00 00-0087		**Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 00 00-0014)*		
33 31 00 00-0088	EA	1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	25.68	15.24
33 31 00 00-0089	EA	2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	32.97	19.70
33 31 00 00-0090	EA	3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	48.15	26.00
33 31 00 00-0091	EA	4" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	67.34	32.29
33 31 00 00-0092	EA	2" x 2" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	36.69	19.70
33 31 00 00-0093	EA	3" x 3" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	51.52	26.00
33 31 00 00-0094	EA	3" x 3" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	46.84	26.00
33 31 00 00-0095	EA	4" x 4" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	65.76	32.29
33 31 00 00-0096	EA	4" x 4" x 3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	67.20	32.29
33 31 00 00-0097		**Double Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 00 00-0014)*		
33 31 00 00-0098	EA	1-1/2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	34.09	19.70
33 31 00 00-0099	EA	2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	43.93	26.00
33 31 00 00-0100	EA	3" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	61.10	35.09
33 31 00 00-0101	EA	4" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	108.51	42.44
33 31 00 00-0102	EA	6" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	233.27	46.99
33 31 00 00-0103		**Clean Out Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 00 00-0014)*		
33 31 00 00-0104	EA	4" Clean Out Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain	151.74	82.64
33 31 00 00-0105	EA	6" Clean Out Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain	240.54	106.61
33 31 00 00-0106	EA	8" Clean Out Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain	325.82	150.25
33 31 00 00-0107	EA	10" Clean Out Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain	495.65	241.69
33 31 00 00-0108		**Couplings, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 00 00-0014)*		
33 31 00 00-0109	EA	1-1/2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	15.59	10.08
33 31 00 00-0110	EA	2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	19.88	12.96
33 31 00 00-0111	EA	3" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	27.30	17.35
33 31 00 00-0112	EA	4" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	32.33	20.24
33 31 00 00-0113	EA	6" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	50.63	26.30
33 31 00 00-0114	EA	8" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	85.27	35.39
33 31 00 00-0115	EA	10" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	120.68	47.14
33 31 00 00-0116		**Adapters, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 00 00-0014)*		
33 31 00 00-0117	EA	4" Male, Plastic Pipe x Malleable Iron Pipe Adapter, Drain And Sewer Fitting	83.00	52.54
33 31 00 00-0118	EA	2" x 3" x 3" Downspout Adapter, Drain And Sewer Fitting	61.31	39.96
33 31 00 00-0119	EA	2" x 3" x 4" Downspout Adapter, Drain And Sewer Fitting	61.92	39.96
33 31 00 00-0120	EA	3" x 4" x 4" Downspout Adapter, Drain And Sewer Fitting	63.56	39.96
33 31 00 00-0121	EA	4" Hub, Cast Iron Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting	83.45	52.54
33 31 00 00-0122	EA	4" Spigot, Clay Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting	82.14	52.54
33 31 00 00-0123	EA	4" Spigot, Fiberglass Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting	79.98	52.54
33 31 00 00-0124	EA	4" Drain Grate, Drain And Sewer Fitting	42.06	27.02
33 31 00 00-0125		**Caps, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 00 00-0014)*		
33 31 00 00-0126	EA	3" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	20.03	10.83
33 31 00 00-0127	EA	4" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	28.70	13.49
33 31 00 00-0128	EA	6" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	46.44	17.43
33 31 00 00-0129		**Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 00 00-0014)*		
33 31 00 00-0130	EA	1-1/2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	15.87	10.08
33 31 00 00-0131	EA	2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	20.55	13.04
33 31 00 00-0132	EA	3" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	28.73	17.50
33 31 00 00-0133	EA	4" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	34.98	20.24
33 31 00 00-0134	EA	6" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	51.79	26.30
33 31 00 00-0135	EA	8" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	132.39	35.39
33 31 00 00-0136		**Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe** *(33 31 00 00-0001)* Note: ASTM 3034.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 00 00-0137	LF	4" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	8.43	3.66
33 31 00 00-0138	LF	6" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	11.07	3.96
33 31 00 00-0139	LF	8" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	14.51	4.19
33 31 00 00-0140	LF	10" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	19.47	4.94
33 31 00 00-0141	LF	12" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	24.37	5.09
33 31 00 00-0142	LF	15" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	37.79	8.38
33 31 00 00-0143	LF	18" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	50.91	10.77
33 31 00 00-0144	LF	21" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	66.40	12.57
33 31 00 00-0145	LF	24" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	80.87	14.36
33 31 00 00-0146	LF	27" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	98.75	16.15
33 31 00 00-0147		**Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe** *(33 31 00 00-0001)* Note: ASTM 3034.		
33 31 00 00-0148	LF	4" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe	7.45	3.66
33 31 00 00-0149	LF	6" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe	9.32	3.96
33 31 00 00-0150	LF	8" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe	11.67	4.19
33 31 00 00-0151		**Gasketed SDR 35 Polyvinyl Chloride (PVC) Fittings** *(33 31 00 00-0001)* Note: ASTM 3034.		
33 31 00 00-0152		**1/4 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC)** *(33 31 00 00-0151)*		
33 31 00 00-0153	EA	4" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	48.64	18.91
33 31 00 00-0154	EA	6" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	68.14	22.00
33 31 00 00-0155	EA	8" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	128.82	24.94
33 31 00 00-0156	EA	10" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	341.62	29.33
33 31 00 00-0157	EA	12" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	441.10	37.39
33 31 00 00-0158		**1/8 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC)** *(33 31 00 00-0151)*		
33 31 00 00-0159	EA	4" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	45.12	18.91
33 31 00 00-0160	EA	6" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	64.26	22.00
33 31 00 00-0161	EA	8" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	119.02	24.94
33 31 00 00-0162	EA	10" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	249.32	29.33
33 31 00 00-0163	EA	12" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	353.34	37.39
33 31 00 00-0164	EA	15" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	739.63	52.80
33 31 00 00-0165	EA	18" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,167.65	74.80
33 31 00 00-0166	EA	21" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,931.38	98.99
33 31 00 00-0167	EA	24" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,631.52	131.99
33 31 00 00-0168		**Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)** *(33 31 00 00-0151)*		
33 31 00 00-0169	EA	4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	73.46	28.38
33 31 00 00-0170	EA	6" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	109.04	31.45
33 31 00 00-0171	EA	6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	121.03	33.00
33 31 00 00-0172	EA	8" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	132.38	34.54
33 31 00 00-0173	EA	8" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	149.35	36.07
33 31 00 00-0174	EA	8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	265.70	37.62
33 31 00 00-0175	EA	10" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	334.07	38.49
33 31 00 00-0176	EA	10" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	376.47	40.33
33 31 00 00-0177	EA	10" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	544.48	41.87
33 31 00 00-0178	EA	10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	702.87	44.00
33 31 00 00-0179	EA	12" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	410.72	46.86
33 31 00 00-0180	EA	12" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	435.14	48.40
33 31 00 00-0181	EA	12" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	608.56	49.93
33 31 00 00-0182	EA	12" x 10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	864.88	52.06
33 31 00 00-0183	EA	12" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	973.01	56.10
33 31 00 00-0184		**Wyes, Gasketed SDR 35 Polyvinyl Chloride (PVC)** *(33 31 00 00-0151)*		
33 31 00 00-0185	EA	4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	70.73	28.38
33 31 00 00-0186	EA	6" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	99.95	31.45
33 31 00 00-0187	EA	6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	108.82	33.00
33 31 00 00-0188	EA	8" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	128.48	34.54
33 31 00 00-0189	EA	8" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	144.70	36.07
33 31 00 00-0190	EA	8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	210.14	37.62
33 31 00 00-0191	EA	10" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	307.85	38.79
33 31 00 00-0192	EA	10" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	314.53	40.33
33 31 00 00-0193	EA	10" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	461.08	41.87
33 31 00 00-0194	EA	10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	508.73	44.00
33 31 00 00-0195	EA	12" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	388.70	46.86
33 31 00 00-0196	EA	12" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	400.94	48.40
33 31 00 00-0197	EA	12" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	561.69	49.93
33 31 00 00-0198	EA	12" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	671.56	52.06
33 31 00 00-0199	EA	12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	702.33	56.10
33 31 00 00-0200	EA	15" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	864.47	67.47
33 31 00 00-0201	EA	15" x 12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	956.92	71.49
33 31 00 00-0202	EA	15" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,189.83	79.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 00 00-0203		**Couplings, Gasketed SDR 35 Polyvinyl Chloride (PVC)** *(33 31 00 00-0151)*		
33 31 00 00-0204	EA	4" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	48.33	18.91
33 31 00 00-0205	EA	6" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	70.21	22.00
33 31 00 00-0206	EA	8" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	98.76	25.08
33 31 00 00-0207	EA	10" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	175.33	29.33
33 31 00 00-0208	EA	12" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	246.03	37.39
33 31 00 00-0209	EA	15" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	468.06	52.80
33 31 00 00-0210	EA	18" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	864.51	74.80
33 31 00 00-0211	EA	21" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,425.87	98.99
33 31 00 00-0212	EA	24" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,056.82	131.99
33 31 00 00-0213		**Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)** *(33 31 00 00-0151)*		
33 31 00 00-0214	EA	6" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	82.31	20.46
33 31 00 00-0215	EA	8" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	113.21	22.00
33 31 00 00-0216	EA	8" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	119.60	23.53
33 31 00 00-0217	EA	10" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	251.70	25.66
33 31 00 00-0218	EA	10" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	287.79	27.21
33 31 00 00-0219	EA	12" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	321.14	29.70
33 31 00 00-0220	EA	12" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	366.73	31.24
33 31 00 00-0221	EA	12" x 10" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	418.90	33.36
33 31 00 00-0222	EA	15" x 12" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	627.38	45.10
33 31 00 00-0223		**Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)** *(33 31 00 00-0151)*		
33 31 00 00-0224	EA	6" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	71.39	
33 31 00 00-0225	EA	8" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	92.58	
33 31 00 00-0226	EA	8" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	94.26	
33 31 00 00-0227	EA	10" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	147.66	
33 31 00 00-0228	EA	10" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	154.71	
33 31 00 00-0229	EA	10" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	276.00	
33 31 00 00-0230	EA	12" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	169.69	
33 31 00 00-0231	EA	12" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	182.91	
33 31 00 00-0232	EA	12" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	378.72	
33 31 00 00-0233	EA	12" x 10" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	442.36	
33 31 00 00-0234	EA	15" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	201.12	
33 31 00 00-0235	EA	15" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	212.66	
33 31 00 00-0236		**Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)** *(33 31 00 00-0151)*		
33 31 00 00-0237	EA	6" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	75.34	
33 31 00 00-0238	EA	8" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	92.58	
33 31 00 00-0239	EA	8" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	99.63	
33 31 00 00-0240	EA	10" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	137.20	
33 31 00 00-0241	EA	10" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	153.86	
33 31 00 00-0242	EA	10" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	223.35	
33 31 00 00-0243	EA	12" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	168.85	
33 31 00 00-0244	EA	12" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	182.11	
33 31 00 00-0245	EA	12" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	260.85	
33 31 00 00-0246	EA	12" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	312.24	
33 31 00 00-0247	EA	15" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	200.61	
33 31 00 00-0248	EA	15" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	208.75	
33 31 00 00-0249	EA	15" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	325.18	
33 31 00 00-0250	EA	15" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	356.19	
33 31 00 00-0251	EA	15" x 12" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	489.48	
33 31 00 00-0252		**Couplings And Plug Fittings** *(33 31)*		
33 31 00 00-0253		**Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings** *(33 31 00 00-0252)*		
		Note: For cast iron or plastic to cast iron to plastic pipe. Includes stainless steel clamps. Fernco 1056.		
33 31 00 00-0254	EA	1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	13.67	4.96
33 31 00 00-0255	EA	2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	14.97	5.79
33 31 00 00-0256	EA	3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	17.26	6.61
33 31 00 00-0257	EA	4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	19.52	7.03
33 31 00 00-0258	EA	5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	23.72	7.44
33 31 00 00-0259	EA	6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	27.95	8.26
33 31 00 00-0260	EA	8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	35.28	9.09
33 31 00 00-0261	EA	10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	43.32	9.50
33 31 00 00-0262	EA	12" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	83.30	9.92
33 31 00 00-0263	EA	15" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	114.33	10.74
33 31 00 00-0264	EA	18" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	223.29	11.16
33 31 00 00-0265	EA	21" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	259.80	11.78
33 31 00 00-0266	EA	24" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	288.03	12.40
33 31 00 00-0267	EA	27" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	345.42	13.22

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 00 00-0268		Cast Iron Service Saddles With U Bolt *(33 31)*		
33 31 00 00-0269	EA	2" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt	83.67	
33 31 00 00-0270	EA	3" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt	84.10	
33 31 00 00-0271	EA	3" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt	92.59	
33 31 00 00-0272	EA	4" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt	89.55	
33 31 00 00-0273	EA	4" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt	101.01	
33 31 00 00-0274	EA	4" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt	113.54	
33 31 00 00-0275	EA	4" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt	134.47	
33 31 00 00-0276	EA	6" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt	113.72	
33 31 00 00-0277	EA	6" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt	121.74	
33 31 00 00-0278	EA	6" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt	143.42	
33 31 00 00-0279	EA	4" Diameter x 1-1/2" Tapped Wye Cast Iron Service Saddle With U Bolt	92.00	
33 31 00 00-0280	EA	4" Diameter x 2" Tapped Wye Cast Iron Service Saddle With U Bolt	100.49	
33 31 00 00-0281	EA	4" Diameter x 3" Hub Wye Cast Iron Service Saddle With U Bolt	119.26	
33 31 00 00-0282	EA	4" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt	141.50	
33 31 00 00-0283	EA	6" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt	152.17	

33 32 Wastewater Utility Pumping Stations *(33 30)*

33 32 16 Packaged Utility Wastewater Pumping Stations *(33 32)*

33 32 16 13 Packaged Sewage Grinder Pumping Units *(33 32 16)*

33 32 16 13-0001		Submersible Grinder Pumps, Cast Iron With Bronze Impeller *(33 32 16 13)*		
33 32 16 13-0002	EA	2 HP Submersible Grinder Pump, 200/208, 230 Volt, 1 Phase, 3450 RPM, 1-1/2" Threaded Discharge Note: Zoeller 840 series.	1,905.71	244.06
33 32 16 13-0003	EA	2 HP Submersible Grinder Pump, 200/208, 230, 460 Volt, 3 Phase, 3450 RPM, 1-1/2" Threaded Discharge Note: Zoeller 840 series.	1,876.41	244.06
33 32 16 13-0004	EA	Simplex Control Panel With Auto Reversing Switch Note: For Zoeller 840 series grinder pump.	923.56	81.33
33 32 16 13-0005	EA	Duplex Control Panel With Auto Reversing Switch Note: For Zoeller 840 series grinder pump.	1,468.12	81.33
33 32 16 13-0006	EA	Grinder Pump, 120 Gallon Sewage Basin, 1 HP, 120 V (Environment One 2012-74)	7,305.25	
33 32 16 13-0007		Submersible Grinder Pumps *(33 32 16 13)* Note: Includes 50' of cord with pumps unless otherwise noted.		
33 32 16 13-0008	EA	2 HP Submersible Grinder Pump @ 3450RPM, Explosion Proof	3,309.61	504.39
33 32 16 13-0009	EA	3 HP Submersible Grinder Pump @ 3450RPM, Explosion Proof	5,054.50	588.46
33 32 16 13-0010	EA	5 HP Submersible Grinder Pump @ 3450RPM, Explosion Proof	6,166.19	756.59

33 36 Utility Septic Tanks *(33 30)*

Note: Excludes distribution field piping, trenching or excavation.

33 36 13 Utility Septic Tank And Effluent Wet Wells *(33 36)*

33 36 13 00-0001		Septic Tank *(33 36 13)* Note: Excludes excavation or piping.		
33 36 13 00-0002		Precast Concrete Septic Tank *(33 36 13 00-0001)* Note: Includes external coating.		
33 36 13 00-0003	EA	1,000 Gallon Precast Septic Tank	2,256.19	504.39
		For Non-Traffic Rated, Deduct	*-409.19*	
33 36 13 00-0004	EA	1,250 Gallon Precast Septic Tank	2,696.93	556.76
		For Non-Traffic Rated, Deduct	*-503.34*	
33 36 13 00-0005	EA	1,500 Gallon Precast Septic Tank	3,121.28	609.05
		For Non-Traffic Rated, Deduct	*-593.38*	
33 36 13 00-0006	EA	2,000 Gallon Precast Septic Tank	3,970.74	662.01
		For Non-Traffic Rated, Deduct	*-790.07*	
33 36 13 00-0007	EA	2,500 Gallon Precast Septic Tank	4,767.85	914.20
		For Non-Traffic Rated, Deduct	*-912.32*	
33 36 13 00-0008	EA	4,000 Gallon Precast Septic Tank	12,337.38	1,260.98
		For Non-Traffic Rated, Deduct	*-2,697.65*	
33 36 13 00-0009	EA	5,000 Gallon Precast Septic Tank	22,314.95	1,891.47
		For Non-Traffic Rated, Deduct	*-5,000.34*	
33 36 13 00-0010	EA	7,500 Gallon Precast Septic Tank	25,170.72	2,648.05
		For Non-Traffic Rated, Deduct	*-5,487.05*	
33 36 13 00-0011	EA	10,000 Gallon Precast Septic Tank	30,844.10	3,168.25
		For Non-Traffic Rated, Deduct	*-6,744.28*	
33 36 13 00-0012	EA	12,500 Gallon Precast Septic Tank	36,511.91	3,924.84
		For Non-Traffic Rated, Deduct	*-7,919.54*	
33 36 13 00-0013		High Density Polyethylene Septic Tank *(33 36 13 00-0001)*		
33 36 13 00-0014	EA	300 Gallon One Compartment One Manhole High Density Polyethylene (HDPE) Septic Tank	728.62	149.67
33 36 13 00-0015	EA	500 Gallon One Compartment One Manhole High Density Polyethylene (HDPE) Septic Tank	1,095.29	168.38
33 36 13 00-0016	EA	900 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank	1,510.77	205.80
33 36 13 00-0017	EA	1,000 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank	1,557.04	224.51
33 36 13 00-0018	EA	1,250 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank	1,797.07	243.22
33 36 13 00-0019	EA	1,500 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank	2,143.47	261.92
33 36 13 00-0020	EA	750 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank	1,512.60	187.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 36 13 00-0021	EA	1,000 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank	1,658.35	224.51
33 36 13 00-0022	EA	1,250 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank	1,941.43	243.22
33 36 13 00-0023	EA	1,500 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank	2,270.11	261.92
33 36 13 00-0024		Fiberglass Septic Tank *(33 36 13 00-0001)*		
33 36 13 00-0025	EA	1,000 Gallon Fiberglass Septic Tank	1,054.87	378.29
33 36 13 00-0026	EA	1,250 Gallon Fiberglass Septic Tank	1,344.21	504.39
33 36 13 00-0027	EA	1,500 Gallon Fiberglass Septic Tank	1,403.88	457.15
33 36 13 00-0028	EA	2,000 Gallon Fiberglass Septic Tank	1,723.41	494.89
33 36 13 00-0029	EA	2,500 Gallon Fiberglass Septic Tank	2,136.40	685.98
33 36 13 00-0030	EA	4,000 Gallon Fiberglass Septic Tank	4,930.73	945.73
33 36 13 00-0031	EA	5,000 Gallon Fiberglass Septic Tank	8,714.51	1,418.59
33 36 13 00-0032	EA	7,500 Gallon Fiberglass Septic Tank	10,085.21	1,986.04
33 36 13 00-0033	EA	10,000 Gallon Fiberglass Septic Tank	12,333.63	2,373.75
33 36 13 00-0034		Concrete Distribution Boxes *(33 36 13)*		
		Note: Includes internal and external coating.		
33 36 13 00-0035	EA	3 Outlet Concrete Distribution Box	200.54	48.99
33 36 13 00-0036	EA	5 Outlet Concrete Distribution Box	234.07	58.78
33 36 13 00-0037	EA	8 Outlet Concrete Distribution Box	396.76	68.59
33 36 13 00-0038	EA	12 Outlet Concrete Distribution Box	777.11	117.57
33 36 13 00-0039		Dosing Siphon *(33 36 13)*		
33 36 13 00-0040	EA	Dosing Siphon With Electrical Connection And Solenoid Valve	4,039.15	
33 36 13 00-0041	EA	Solar Power Control For Dosing Siphon	2,775.83	
33 36 13 00-0042	EA	Electrical Power Control For Dosing Siphon	2,667.27	
33 36 13 00-0043		Pump Out Septic Tanks *(33 36 13)*		
33 36 13 00-0044	GAL	Pump Out Septic Tank And Dispose	0.49	
33 36 33		**Utility Septic Tank Drainage Field** *(33 36)*		
33 36 33 00-0001		Leaching Field Chambers - Precast Concrete *(33 36 33)*		
33 36 33 00-0002	EA	Standard Leaching Field Chamber 13' x 3'-7" x 1'-4"	812.22	67.52
33 36 33 00-0003	EA	Heavy Duty Leaching Field Chamber 13' x 3'-9" x 1'-6"	992.35	92.08
33 36 33 00-0004		Leaching Pit - Precast Concrete *(33 36 33)*		
		Note: Includes external coating.		
33 36 33 00-0005	EA	3' Diameter, 3' High, Precast Concrete Leaching Pit	678.32	73.98
33 36 33 00-0006	EA	4' Diameter, 3' High, Precast Concrete Leaching Pit	956.89	105.08
33 36 33 00-0007	EA	6' Diameter, 3' High, Precast Concrete Leaching Pit	1,274.59	126.10
33 36 33 00-0008	EA	8' Diameter, 4' High, Precast Concrete Leaching Pit	2,073.32	210.16
33 36 33 00-0009	EA	10' Diameter, 4' High, Precast Concrete Leaching Pit	3,030.11	294.23
33 39		Sanitary Utility Sewerage Structures *(33 30)*		
33 39 13		**Sanitary Utility Sewerage Manholes, Frames, And Covers** *(33 39)*		
		See CSI section 22 13 19 26-0043 for oil interceptors, 22 13 23 00-0000 for sediment interceptors, 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill, 33 44 19 00-0000 for oil separators.		
33 39 13 00-0001		Manholes *(33 39 13)*		
33 39 13 00-0002		Cast In Place Concrete, 8" Thick *(33 39 13 00-0001)*		
		Note: Includes base, wall, top and block-out for openings.		
33 39 13 00-0003		48" Diameter *(33 39 13 00-0002)*		
33 39 13 00-0004	EA	4' Diameter x 4' Deep Cast In Place Manhole 8" Thick	1,466.81	483.10
33 39 13 00-0005	EA	4' Diameter x 6' Deep Cast In Place Manhole 8" Thick	2,022.49	660.93
33 39 13 00-0006	EA	4' Diameter x 8' Deep Cast In Place Manhole 8" Thick	2,882.25	990.82
33 39 13 00-0007	VLF	4' Diameter x Vertical Linear Foot Depth Cast In Place Manhole 8" Thick, Over 8'	356.27	123.90
33 39 13 00-0008		Precast Concrete Manholes *(33 39 13 00-0001)*		
		Note: Includes base, riser(s), reducer and openings. See CSI section 33 39 13 00-0044 for top slabs.		
33 39 13 00-0009		3' Diameter, 8" Thick Walls, Precast Concrete Manholes *(33 39 13 00-0008)*		
33 39 13 00-0010	EA	4' Deep x 3' Diameter, 8" Thick Walls, Precast Concrete Manhole	932.95	228.65
		For 6" Thick Wall, Deduct	*-70.43*	
33 39 13 00-0011	EA	6' Deep x 3' Diameter, 8" Thick Walls, Precast Concrete Manhole	1,301.27	312.68
		For 6" Thick Wall, Deduct	*-98.86*	
33 39 13 00-0012	EA	8' Deep x 3' Diameter, 8" Thick Walls, Precast Concrete Manhole	1,814.23	469.02
		For 6" Thick Wall, Deduct	*-134.52*	
33 39 13 00-0013	VLF	Vertical Linear Foot Depth Over 8', x 3' Diameter, 8" Thick Walls, Precast Concrete Manhole	223.66	62.53
		For 6" Thick Wall, Deduct	*-16.50*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 39 13 00-0014		3'-6" Diameter, 8" Thick Walls, Precast Concrete Manholes *(33 39 13 00-0008)*		
33 39 13 00-0015	EA	4' Deep x 3'-6" Diameter, 8" Thick Walls, Precast Concrete Manhole	1,046.38	238.42
		For 6" Thick Wall, Deduct	*-80.80*	
33 39 13 00-0016	EA	6' Deep x 3'-6" Diameter, 8" Thick Walls, Precast Concrete Manhole	1,455.10	325.97
		For 6" Thick Wall, Deduct	*-112.91*	
33 39 13 00-0017	EA	8' Deep x 3'-6" Diameter, 8" Thick Walls, Precast Concrete Manhole	2,013.87	488.57
		For 6" Thick Wall, Deduct	*-152.53*	
33 39 13 00-0018	VLF	Vertical Linear Foot Depth Over 8', x 3'-6" Diameter, 8" Thick Walls, Precast Concrete Manhole	247.29	62.53
		For 6" Thick Wall, Deduct	*-18.63*	
33 39 13 00-0019		4' Diameter, 8" Thick Walls, Precast Concrete Manholes *(33 39 13 00-0008)*		
33 39 13 00-0020	EA	4' Deep x 4' Diameter, 8" Thick Walls, Precast Concrete Manhole	1,163.17	246.24
		For 6" Thick Wall, Deduct	*-91.53*	
33 39 13 00-0021	EA	6' Deep x 4' Diameter, 8" Thick Walls, Precast Concrete Manhole	1,612.01	336.14
		For 6" Thick Wall, Deduct	*-127.33*	
33 39 13 00-0022	EA	8' Deep x 4' Diameter, 8" Thick Walls, Precast Concrete Manhole	2,217.84	508.11
		For 6" Thick Wall, Deduct	*-170.97*	
33 39 13 00-0023	VLF	Vertical Linear Foot Depth Over 8', x 4' Diameter, 8" Thick Walls, Precast Concrete Manhole	271.66	64.49
		For 6" Thick Wall, Deduct	*-20.81*	
33 39 13 00-0024	VLF	Vertical Linear Foot Depth x 4' Diameter, 8" Thick Walls, Precast Manhole Polyvinyl Chloride (PVC) Lined Riser / Cone	326.97	64.49
		For 6" Thick Wall, Deduct	*-26.35*	
33 39 13 00-0025		5' Diameter, 8" Thick Walls, Precast Concrete Manholes *(33 39 13 00-0008)*		
33 39 13 00-0026	EA	4' Deep x 5' Diameter, 8" Thick Walls, Precast Concrete Manhole	1,424.88	273.60
		For 6" Thick Wall, Deduct	*-115.05*	
33 39 13 00-0027	EA	6' Deep x 5' Diameter, 8" Thick Walls, Precast Concrete Manhole	1,959.32	375.22
		For 6" Thick Wall, Deduct	*-158.46*	
33 39 13 00-0028	EA	8' Deep x 5' Diameter, 8" Thick Walls, Precast Concrete Manhole	2,667.77	562.83
		For 6" Thick Wall, Deduct	*-210.57*	
33 39 13 00-0029	VLF	Vertical Linear Foot Depth Over 8', x 5' Diameter, 8" Thick Walls, Precast Concrete Manhole	324.93	70.35
		For 6" Thick Wall, Deduct	*-25.46*	
33 39 13 00-0030	VLF	Vertical Linear Foot Depth x 5' Diameter, 8" Thick Walls, Precast Manhole Polyvinyl Chloride (PVC) Lined Riser / Cone	384.70	70.35
		For 6" Thick Wall, Deduct	*-31.44*	
33 39 13 00-0031		6' Diameter, 8" Thick Walls, Precast Concrete Manholes *(33 39 13 00-0008)*		
33 39 13 00-0032	EA	4' Deep x 6' Diameter, 8" Thick Walls, Precast Concrete Manhole	1,710.71	304.87
33 39 13 00-0033	EA	6' Deep x 6' Diameter, 8" Thick Walls, Precast Concrete Manhole	2,334.98	414.31
33 39 13 00-0034	EA	8' Deep x 6' Diameter, 8" Thick Walls, Precast Concrete Manhole	3,154.05	625.37
33 39 13 00-0035	VLF	Vertical Linear Foot Depth Over 8', x 6' Diameter, 8" Thick Walls, Precast Concrete Manhole	381.64	78.18
33 39 13 00-0036	VLF	Vertical Linear Foot Depth x 6' Diameter, 8" Thick Walls, Precast Manhole Polyvinyl Chloride (PVC) Lined Riser / Cone	436.95	78.18
33 39 13 00-0037		Brick Manholes *(33 39 13 00-0001)*		
33 39 13 00-0038		4' Inside Diameter x 8" Wall (2 Brick) *(33 39 13 00-0037)*		
33 39 13 00-0039	EA	4' Inside Diameter x 4' Deep Brick Manhole, 8" Wall	2,105.86	769.73
33 39 13 00-0040	EA	4' Inside Diameter x 6' Deep Brick Manhole, 8" Wall	3,080.25	1,133.61
33 39 13 00-0041	EA	4' Inside Diameter x 8' Deep Brick Manhole, 8" Wall	4,075.51	1,539.48
33 39 13 00-0042	VLF	4' Inside Diameter x Vertical Linear Foot Depth Brick Manhole, 8" Wall, Over 8'	528.35	192.43
33 39 13 00-0043		Manhole Accessories *(33 39 13)*		
33 39 13 00-0044		Precast Concrete Manhole Tops *(33 39 13 00-0043)*		
33 39 13 00-0045		Precast Concrete Manhole Slab Tops *(33 39 13 00-0044)*		
33 39 13 00-0046	EA	3' Diameter x 8" Thick Precast Manhole Top Slab	384.72	58.63
33 39 13 00-0047	EA	3'-6" Diameter x 8" Thick Precast Manhole Top Slab	449.07	60.97
33 39 13 00-0048	EA	4' Diameter x 8" Thick Precast Manhole Top Slab	520.97	63.32
33 39 13 00-0049	EA	5' Diameter x 8" Thick Precast Manhole Top Slab	688.10	68.01
33 39 13 00-0050	EA	6' Diameter x 8" Thick Precast Manhole Top Slab	816.05	72.70
33 39 13 00-0051		Precast Concrete Manhole Cone Tops *(33 39 13 00-0044)*		
33 39 13 00-0052	EA	3' Diameter x 8" Thick Precast Manhole Top Cone	593.54	73.29
33 39 13 00-0053	EA	3'-6" Diameter x 8" Thick Precast Manhole Top Cone	655.33	76.22
33 39 13 00-0054	EA	4' Diameter x 8" Thick Precast Manhole Top Cone	717.14	79.15
33 39 13 00-0055	EA	5' Diameter x 8" Thick Precast Manhole Top Cone	836.80	84.04
33 39 13 00-0056	EA	6' Diameter x 8" Thick Precast Manhole Top Cone	960.39	89.89
33 39 13 00-0057		Pipe To Manhole Connector *(33 39 13 00-0043)*		
33 39 13 00-0058		Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connectors *(33 39 13 00-0057)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 39 13 00-0059	EA	4" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	53.89	
33 39 13 00-0060	EA	6" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	76.66	
33 39 13 00-0061	EA	8" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	86.56	
33 39 13 00-0062	EA	10" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	126.75	
33 39 13 00-0063	EA	12" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	175.41	
33 39 13 00-0064	EA	15" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	233.78	
33 39 13 00-0065	EA	18" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	411.22	
33 39 13 00-0066	EA	21" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	568.72	
33 39 13 00-0067	EA	24" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	885.32	
33 39 13 00-0068	EA	27" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	1,046.02	

33 39 13 00-0069 Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout

(33 39 13 00-0057)

Note: Fernco CMA.

33 39 13 00-0070	EA	4" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	72.09	
33 39 13 00-0071	EA	6" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	99.35	
33 39 13 00-0072	EA	8" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	125.30	
33 39 13 00-0073	EA	10" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	151.15	
33 39 13 00-0074	EA	12" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	175.50	

33 39 13 00-0075 Brick And Grout Pipe To Manhole Connector *(33 39 13 00-0057)*

33 39 13 00-0076	EA	Seal Gap Between Pipe And Structure With Brick And Grout	174.06	

33 39 13 00-0077 Inverts For Manholes *(33 39 13 00-0043)*

33 39 13 00-0078	EA	Single Channel Concrete Invert For Manholes	313.93	
33 39 13 00-0079	EA	Double Channel Concrete Invert For Manholes	454.14	
33 39 13 00-0080	EA	Triple Channel Concrete Invert For Manholes	611.16	
33 39 13 00-0081	EA	Quad Channel Concrete Invert For Manholes	768.14	
33 39 13 00-0082	EA	Single Channel Brick Invert For Manholes	447.46	
33 39 13 00-0083	EA	Double Channel Brick Invert For Manholes	670.10	
33 39 13 00-0084	EA	Triple Channel Brick Invert For Manholes	896.64	
33 39 13 00-0085	EA	Quad Channel Brick Invert For Manholes	1,120.33	

33 39 13 00-0086 Steps For Cast-In-Place Manholes *(33 39 13 00-0043)*

See CSI section 33 01 30 73-0061 for installation of steps in existing manholes.

33 39 13 00-0087	EA	Cast Iron Manhole Step For New Manholes	51.78	
33 39 13 00-0088	EA	Galvanized Steel Manhole Step For New Manholes	39.04	
33 39 13 00-0089	EA	Aluminum Manhole Step For New Manholes	36.56	
33 39 13 00-0090	EA	Polypropylene Manhole Step For New Manholes	31.00	

33 39 13 00-0091 Protective Coating For New Manholes *(33 39 13 00-0043)*

33 39 13 00-0092 Polyurethane Protective Coating For New Manholes *(33 39 13 00-0091)*

33 39 13 00-0093	VLF	60 Mil Polyurethane Coating Of 3' Diameter Manhole Interior	131.30	
		For 80 Mil Material, Add	*17.75*	
		For 100 Mil Material, Add	*35.50*	
		For 125 Mil Material, Add	*55.81*	
		For 150 Mil Material, Add	*76.11*	
		For 200 Mil Material, Add	*111.68*	
		For 2 To 5 Manholes, Deduct	*-9.08*	
		For 6 To 10 Manholes, Deduct	*-14.88*	
		For >10 Manholes, Deduct	*-29.77*	
33 39 13 00-0094	VLF	60 Mil Polyurethane Coating Of 3-1/2' Diameter Manhole Interior	158.80	
		For 80 Mil Material, Add	*21.14*	
		For 100 Mil Material, Add	*42.28*	
		For 125 Mil Material, Add	*66.40*	
		For 150 Mil Material, Add	*90.52*	
		For 200 Mil Material, Add	*132.60*	
		For 2 To 5 Manholes, Deduct	*-11.02*	
		For 6 To 10 Manholes, Deduct	*-18.06*	
		For >10 Manholes, Deduct	*-36.13*	
33 39 13 00-0095	VLF	60 Mil Polyurethane Coating Of 4' Diameter Manhole Interior	175.06	
		For 80 Mil Material, Add	*23.67*	
		For 100 Mil Material, Add	*47.34*	
		For 125 Mil Material, Add	*74.41*	
		For 150 Mil Material, Add	*101.48*	
		For 200 Mil Material, Add	*148.90*	
		For 2 To 5 Manholes, Deduct	*-12.11*	
		For 6 To 10 Manholes, Deduct	*-19.84*	
		For >10 Manholes, Deduct	*-39.69*	
33 39 13 00-0096	VLF	60 Mil Polyurethane Coating Of 5' Diameter Manhole Interior	218.86	
		For 80 Mil Material, Add	*29.60*	
		For 100 Mil Material, Add	*59.19*	
		For 125 Mil Material, Add	*93.04*	
		For 150 Mil Material, Add	*126.89*	
		For 200 Mil Material, Add	*186.20*	
		For 2 To 5 Manholes, Deduct	*-15.14*	
		For 6 To 10 Manholes, Deduct	*-24.81*	
		For >10 Manholes, Deduct	*-49.61*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 39 13 00-0097	VLF	60 Mil Polyurethane Coating Of 6' Diameter Manhole Interior	253.68	
		For 80 Mil Material, Add	*34.84*	
		For 100 Mil Material, Add	*69.69*	
		For 125 Mil Material, Add	*109.63*	
		For 150 Mil Material, Add	*149.58*	
		For 200 Mil Material, Add	*219.85*	
		For 2 To 5 Manholes, Deduct	*-17.50*	
		For 6 To 10 Manholes, Deduct	*-28.65*	
		For >10 Manholes, Deduct	*-57.30*	

33 39 13 00-0098 Polyvinyl Chloride (PVC) Liner *(33 39 13 00-0091)*

Note: For new manholes and shop applied.

33 39 13 00-0099	VLF	3' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	143.86	
33 39 13 00-0100	VLF	3-1/2' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	176.34	
33 39 13 00-0101	VLF	4' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	215.19	
33 39 13 00-0102	VLF	5' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	270.24	
33 39 13 00-0103	VLF	6' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	325.28	
33 39 13 00-0104	SF	Polyvinyl Chloride (PVC) Liner At Structures	22.53	

33 39 13 00-0105 Concrete Grade Extensions/Grade Rings *(33 39 13 00-0043)*

33 39 13 00-0106 18" Diameter *(33 39 13 00-0105)*

33 39 13 00-0107	EA	4" High, 8" Wall, 18" Diameter Concrete Grade Extension	72.07	
33 39 13 00-0108	EA	6" High, 8" Wall, 18" Diameter Concrete Grade Extension	79.45	
33 39 13 00-0109	EA	8" High, 8" Wall, 18" Diameter Concrete Grade Extension	86.83	
33 39 13 00-0110	EA	10" High, 8" Wall, 18" Diameter Concrete Grade Extension	87.95	

33 39 13 00-0111 24" Diameter *(33 39 13 00-0105)*

33 39 13 00-0112	EA	4" High, 8" Wall, 24" Diameter Concrete Grade Extension	81.02	
33 39 13 00-0113	EA	6" High, 8" Wall, 24" Diameter Concrete Grade Extension	89.40	
33 39 13 00-0114	EA	8" High, 8" Wall, 24" Diameter Concrete Grade Extension	97.79	
33 39 13 00-0115	EA	10" High, 8" Wall, 24" Diameter Concrete Grade Extension	106.17	

33 39 13 00-0116 30" Diameter *(33 39 13 00-0105)*

33 39 13 00-0117	EA	4" High, 8" Wall, 30" Diameter Concrete Grade Extension	89.74	
33 39 13 00-0118	EA	6" High, 8" Wall, 30" Diameter Concrete Grade Extension	99.09	
33 39 13 00-0119	EA	8" High, 8" Wall, 30" Diameter Concrete Grade Extension	108.44	
33 39 13 00-0120	EA	10" High, 8" Wall, 30" Diameter Concrete Grade Extension	117.79	

33 39 13 00-0121 Bentonite Collar *(33 39 13 00-0043)*

33 39 13 00-0122 Bentonite Collar At Manhole Connections *(33 39 13 00-0121)*

33 39 13 00-0123	EA	Up To 12" Pipe, Bentonite Collar At Manhole Connection	94.91	
33 39 13 00-0124	EA	>12" To 21", Bentonite Collar At Manhole Connection	150.51	
33 39 13 00-0125	EA	>21" To 30" Pipe, Bentonite Collar At Manhole Connection	240.12	
33 39 13 00-0126	EA	>30" To 36" Pipe, Bentonite Collar At Manhole Connection	563.16	
33 39 13 00-0127	EA	>36" To 48" Pipe, Bentonite Collar At Manhole Connection	867.56	
33 39 13 00-0128	EA	>48" To 60" Pipe, Bentonite Collar At Manhole Connection	1,572.16	

33 39 13 00-0129 Manhole Covers And Frames *(33 39 13)*

Note: Includes moisture-tight masonry joints and waterproof grouting.

33 39 13 00-0130 Regular Manhole Covers And Frames, City Type *(33 39 13 00-0129)*

33 39 13 00-0131	EA	18" Square x 75 LB Regular Cast Iron Manhole Cover With Frame, City Type	434.49	67.22
		For Malleable Iron Castings, Add	*69.37*	
		For Ductile Iron Castings, Add	*161.87*	
		For Heavy Duty, Add	*162.23*	
33 39 13 00-0132	EA	18" Diameter x 100 LB Regular Cast Iron Manhole Cover With Frame, City Type	648.60	67.22
		For Malleable Iron Castings, Add	*133.61*	
		For Ductile Iron Castings, Add	*311.75*	
		For Heavy Duty, Add	*237.17*	
33 39 13 00-0133	EA	24" Square x 126 LB Regular Cast Iron Manhole Cover With Frame, City Type	661.99	73.48
		For Malleable Iron Castings, Add	*132.32*	
		For Ductile Iron Castings, Add	*308.75*	
		For Heavy Duty, Add	*242.74*	
33 39 13 00-0134	EA	24" Diameter x 200 LB Regular Cast Iron Manhole Cover With Frame, City Type	683.40	73.48
		For Malleable Iron Castings, Add	*138.74*	
		For Ductile Iron Castings, Add	*323.74*	
		For Heavy Duty, Add	*250.24*	
33 39 13 00-0135	EA	24" Diameter x 300 LB Regular Cast Iron Manhole Cover With Frame, City Type	744.10	78.18
		For Malleable Iron Castings, Add	*152.87*	
		For Ductile Iron Castings, Add	*356.71*	
		For Heavy Duty, Add	*272.16*	
33 39 13 00-0136	EA	24" Diameter x 400 LB Regular Cast Iron Manhole Cover With Frame, City Type	819.40	86.77
		For Malleable Iron Castings, Add	*167.65*	
		For Ductile Iron Castings, Add	*391.18*	
		For Heavy Duty, Add	*299.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 39 13 00-0137	EA	24" Square x 500 LB Regular Cast Iron Manhole Cover With Frame, City Type	962.85	86.77
		For Malleable Iron Castings, Add	*210.68*	
		For Ductile Iron Castings, Add	*491.60*	
		For Heavy Duty, Add	*350.03*	
33 39 13 00-0138	EA	26" Diameter x 475 LB Regular Cast Iron Manhole Cover With Frame, City Type	956.98	93.81
		For Malleable Iron Castings, Add	*202.34*	
		For Ductile Iron Castings, Add	*472.12*	
		For Heavy Duty, Add	*349.07*	
33 39 13 00-0139	EA	30" Diameter x 620 LB Regular Cast Iron Manhole Cover With Frame, City Type	1,083.20	97.71
		For Malleable Iron Castings, Add	*237.02*	
		For Ductile Iron Castings, Add	*553.05*	
		For Heavy Duty, Add	*393.78*	

33 39 13 00-0140 Watertight Type Manhole Covers And Frames *(33 39 13 00-0129)*

33 39 13 00-0141	EA	20" Diameter x 200 LB Watertight Manhole Cover With Frame	664.13	55.51
		For Malleable Iron Castings, Add	*132.96*	
		For Ductile Iron Castings, Add	*310.25*	
33 39 13 00-0142	EA	22" Diameter x 300 LB Watertight Manhole Cover With Frame	849.40	55.51
		For Malleable Iron Castings, Add	*183.09*	
		For Ductile Iron Castings, Add	*427.20*	
33 39 13 00-0143	EA	24" Diameter x 350 LB Watertight Manhole Cover With Frame	954.27	64.88
		For Malleable Iron Castings, Add	*208.11*	
		For Ductile Iron Castings, Add	*485.59*	
33 39 13 00-0144	EA	26" Diameter x 500 LB Watertight Manhole Cover With Frame	1,173.55	72.70
		For Malleable Iron Castings, Add	*267.31*	
		For Ductile Iron Castings, Add	*623.71*	
33 39 13 00-0145	EA	30" Diameter x 550 LB Watertight Manhole Cover With Frame	1,137.36	74.26
		For Malleable Iron Castings, Add	*253.27*	
		For Ductile Iron Castings, Add	*590.96*	
33 39 13 00-0146	EA	32" Diameter x 575 LB Watertight Manhole Cover With Frame	1,222.58	75.83
		For Malleable Iron Castings, Add	*277.68*	
		For Ductile Iron Castings, Add	*647.93*	
33 39 13 00-0147	EA	36" Diameter x 600 LB Watertight Manhole Cover With Frame	1,389.30	78.18
		For Malleable Iron Castings, Add	*326.51*	
		For Ductile Iron Castings, Add	*761.85*	

33 39 13 00-0148 Aluminum Manhole Covers And Frames *(33 39 13 00-0129)*

33 39 13 00-0149	EA	12" Square Aluminum Manhole Cover With Frame	374.08	23.86
33 39 13 00-0150	EA	18" Square Aluminum Manhole Cover With Frame	643.26	26.41
33 39 13 00-0151	EA	24" Square Aluminum Manhole Cover With Frame	903.58	30.67

33 39 13 00-0152 Remove And Reinstall Manhole Cover And Frame *(33 39 13 00-0129)*

Note: Includes surrounding asphalt removal and repair. Excludes saw cutting.

33 39 13 00-0153	EA	Remove And Reinstall Manhole Cover And Frame	313.42	

33 39 13 00-0154 Rainguard Inflow Protectors *(33 39 13 00-0129)*

33 39 13 00-0155	EA	18" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	93.56	17.41
33 39 13 00-0156	EA	22" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	105.27	17.41
33 39 13 00-0157	EA	24" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	125.94	20.90
33 39 13 00-0158	EA	26" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	133.34	20.90
33 39 13 00-0159	EA	30" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	163.76	24.38
33 39 13 00-0160	EA	32" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	172.85	24.38

33 39 13 00-0161 Waste Water Collection System Taps *(33 39 13)*

Note: For tapping existing structures only. Includes grout.

33 39 13 00-0162 Brick Manhole Taps *(33 39 13 00-0161)*

33 39 13 00-0163	EA	4" Tap In 6" Brick Manhole	366.80	
33 39 13 00-0164	EA	6" Tap In 6" Brick Manhole	410.35	
33 39 13 00-0165	EA	8" Tap In 6" Brick Manhole	453.13	
33 39 13 00-0166	EA	10" Tap In 6" Brick Manhole	495.81	
33 39 13 00-0167	EA	12" Tap In 6" Brick Manhole	546.06	
33 39 13 00-0168	EA	15" Tap In 6" Brick Manhole	588.66	

33 39 13 00-0169 Precast Concrete Manhole Tap *(33 39 13 00-0161)*

33 39 13 00-0170	EA	4" Tap In 8" Thick Precast Concrete Manhole	538.17	
33 39 13 00-0171	EA	6" Tap In 8" Thick Precast Concrete Manhole	603.50	
33 39 13 00-0172	EA	8" Tap In 8" Thick Precast Concrete Manhole	673.87	
33 39 13 00-0173	EA	10" Tap In 8" Thick Precast Concrete Manhole	737.90	
33 39 13 00-0174	EA	12" Tap In 8" Thick Precast Concrete Manhole	801.81	
33 39 13 00-0175	EA	15" Tap In 8" Thick Precast Concrete Manhole	867.26	

33 40 Storm Drainage Utilities *(33)*

33 41 Storm Utility Drainage Piping *(33 40)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

Note: Piping includes hydrostatic testing, disinfecting and warning tape. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 41 13 Public Storm Utility Drainage Piping *(33 41)*

33 41 13 00-0001 Reinforced Concrete Piping *(33 41 13)*

33 41 13 00-0002 Class 3 Reinforced Concrete Pipe Without Gaskets *(33 41 13 00-0001)*

33 41 13 00-0003	LF	12" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	33.61	12.38
		For >1,000, Deduct	*-1.68*	
		For Class 4, Add	*1.51*	
		For Class 5, Add	*4.78*	
33 41 13 00-0004	LF	15" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	40.06	13.77
		For >1,000, Deduct	*-2.00*	
		For Class 4, Add	*1.94*	
		For Class 5, Add	*6.11*	
33 41 13 00-0005	LF	18" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	45.97	17.18
		For >1,000, Deduct	*-2.30*	
		For Class 4, Add	*2.04*	
		For Class 5, Add	*6.43*	
33 41 13 00-0006	LF	21" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	58.81	21.66
		For >1,000, Deduct	*-2.94*	
		For Class 4, Add	*2.65*	
		For Class 5, Add	*8.36*	
33 41 13 00-0007	LF	24" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	69.11	26.31
		For >1,000, Deduct	*-3.46*	
		For Class 4, Add	*3.00*	
		For Class 5, Add	*9.46*	
33 41 13 00-0008	LF	27" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	86.49	32.69
		For >1,000, Deduct	*-4.32*	
		For Class 4, Add	*3.78*	
		For Class 5, Add	*11.94*	
33 41 13 00-0009	LF	30" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	91.84	33.77
		For >1,000, Deduct	*-4.59*	
		For Class 4, Add	*4.09*	
		For Class 5, Add	*12.91*	
33 41 13 00-0010	LF	36" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	112.61	38.37
		For >1,000, Deduct	*-5.63*	
		For Class 4, Add	*5.55*	
		For Class 5, Add	*17.51*	
33 41 13 00-0011	LF	42" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	144.15	42.20
		For >1,000, Deduct	*-7.21*	
		For Class 4, Add	*8.02*	
		For Class 5, Add	*25.34*	
33 41 13 00-0012	LF	48" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	171.89	47.00
		For >1,000, Deduct	*-8.59*	
		For Class 4, Add	*9.95*	
		For Class 5, Add	*31.43*	
33 41 13 00-0013	LF	54" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	212.76	53.71
		For >1,000, Deduct	*-10.64*	
		For Class 4, Add	*12.92*	
		For Class 5, Add	*40.81*	
33 41 13 00-0014	LF	60" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	256.30	62.30
		For >1,000, Deduct	*-12.82*	
		For Class 4, Add	*15.89*	
		For Class 5, Add	*50.19*	
33 41 13 00-0015	LF	66" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	388.44	69.06
		For >1,000, Deduct	*-19.42*	
		For Class 4, Add	*27.57*	
		For Class 5, Add	*87.07*	
33 41 13 00-0016	LF	72" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	451.97	75.19
		For >1,000, Deduct	*-22.60*	
		For Class 4, Add	*32.73*	
		For Class 5, Add	*103.37*	
33 41 13 00-0017	LF	78" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	542.10	84.40
		For >1,000, Deduct	*-27.11*	
		For Class 4, Add	*40.02*	
		For Class 5, Add	*126.38*	
33 41 13 00-0018	LF	84" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	694.68	93.99
		For >1,000, Deduct	*-34.73*	
		For Class 4, Add	*53.24*	
		For Class 5, Add	*168.12*	

33 41 13 00-0019 HE-I Elliptical Reinforced Concrete Piping Without Gaskets *(33 41 13 00-0001)*

33 41 13 00-0020	LF	18" x 12" Elliptical Reinforced Concrete Pipe Without Gaskets (15" Diameter Equivalent Round Size)	51.10	19.07
		For >1,000, Deduct	*-2.56*	
		For Horizontal Elliptical - II (HE- II), Add	*2.39*	
		For Horizontal Elliptical - III (HE- III), Add	*5.25*	
		For Horizontal Elliptical - IV (HE- IV), Add	*11.45*	
33 41 13 00-0021	LF	23" x 14" Elliptical Reinforced Concrete Pipe Without Gaskets (18" Diameter Equivalent Round Size)	79.03	22.84
		For >1,000, Deduct	*-3.95*	
		For Horizontal Elliptical - II (HE- II), Add	*4.64*	
		For Horizontal Elliptical - III (HE- III), Add	*10.21*	
		For Horizontal Elliptical - IV (HE- IV), Add	*22.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0022	LF	30" x 19" Elliptical Reinforced Concrete Pipe Without Gaskets (24" Diameter Equivalent Round Size)	110.67	34.99
		For >1,000, Deduct	*-5.53*	
		For Horizontal Elliptical - II (HE- II), Add	*6.07*	
		For Horizontal Elliptical - III (HE- III), Add	*13.35*	
		For Horizontal Elliptical - IV (HE- IV), Add	*29.13*	
33 41 13 00-0023	LF	34" x 22" Elliptical Reinforced Concrete Pipe Without Gaskets (27" Diameter Equivalent Round Size)	129.96	43.48
		For >1,000, Deduct	*-6.50*	
		For Horizontal Elliptical - II (HE- II), Add	*6.79*	
		For Horizontal Elliptical - III (HE- III), Add	*14.93*	
		For Horizontal Elliptical - IV (HE- IV), Add	*32.57*	
33 41 13 00-0024	LF	38" x 24" Elliptical Reinforced Concrete Pipe Without Gaskets (30" Diameter Equivalent Round Size)	144.40	45.43
		For >1,000, Deduct	*-7.22*	
		For Horizontal Elliptical - II (HE- II), Add	*7.95*	
		For Horizontal Elliptical - III (HE- III), Add	*17.49*	
		For Horizontal Elliptical - IV (HE- IV), Add	*38.16*	
33 41 13 00-0025	LF	42" x 27" Elliptical Reinforced Concrete Pipe Without Gaskets (33" Diameter Equivalent Round Size)	165.20	47.97
		For >1,000, Deduct	*-8.26*	
		For Horizontal Elliptical - II (HE- II), Add	*9.67*	
		For Horizontal Elliptical - III (HE- III), Add	*21.27*	
		For Horizontal Elliptical - IV (HE- IV), Add	*46.40*	
33 41 13 00-0026	LF	45" x 29" Elliptical Reinforced Concrete Pipe Without Gaskets (36" Diameter Equivalent Round Size)	185.99	50.50
		For >1,000, Deduct	*-9.30*	
		For Horizontal Elliptical - II (HE- II), Add	*11.39*	
		For Horizontal Elliptical - III (HE- III), Add	*25.05*	
		For Horizontal Elliptical - IV (HE- IV), Add	*54.65*	
33 41 13 00-0027	LF	53" x 34" Elliptical Reinforced Concrete Pipe Without Gaskets (42" Diameter Equivalent Round Size)	225.85	55.57
		For >1,000, Deduct	*-11.29*	
		For Horizontal Elliptical - II (HE- II), Add	*14.65*	
		For Horizontal Elliptical - III (HE- III), Add	*32.22*	
		For Horizontal Elliptical - IV (HE- IV), Add	*70.30*	
33 41 13 00-0028	LF	60" x 38" Elliptical Reinforced Concrete Pipe Without Gaskets (48" Diameter Equivalent Round Size)	271.52	62.50
		For >1,000, Deduct	*-13.58*	
		For Horizontal Elliptical - II (HE- II), Add	*18.22*	
		For Horizontal Elliptical - III (HE- III), Add	*40.09*	
		For Horizontal Elliptical - IV (HE- IV), Add	*87.47*	
33 41 13 00-0029	LF	68" x 43" Elliptical Reinforced Concrete Pipe Without Gaskets (54" Diameter Equivalent Round Size)	329.82	71.43
		For >1,000, Deduct	*-16.49*	
		For Horizontal Elliptical - II (HE- II), Add	*22.78*	
		For Horizontal Elliptical - III (HE- III), Add	*50.11*	
		For Horizontal Elliptical - IV (HE- IV), Add	*109.33*	
33 41 13 00-0030	LF	76" x 48" Elliptical Reinforced Concrete Pipe Without Gaskets (60" Diameter Equivalent Round Size)	408.41	82.87
		For >1,000, Deduct	*-20.42*	
		For Horizontal Elliptical - II (HE- II), Add	*29.00*	
		For Horizontal Elliptical - III (HE- III), Add	*63.81*	
		For Horizontal Elliptical - IV (HE- IV), Add	*139.21*	

33 41 13 00-0031 Concrete Reducing Wye Without Gaskets *(33 41 13 00-0001)*

33 41 13 00-0032	EA	12" Concrete Reducing Wye Without Gaskets	382.62	47.16
33 41 13 00-0033	EA	15" Concrete Reducing Wye Without Gaskets	459.10	57.48
33 41 13 00-0034	EA	18" Concrete Reducing Wye Without Gaskets	565.30	63.37
33 41 13 00-0035	EA	21" Concrete Reducing Wye Without Gaskets	650.29	78.11
33 41 13 00-0036	EA	24" Concrete Reducing Wye Without Gaskets	736.44	94.32

33 41 13 00-0037 Concrete Pipe Joint Gaskets *(33 41 13 00-0001)*

33 41 13 00-0038	EA	12" Diameter Concrete Pipe Joint Gasket	3.53	
33 41 13 00-0039	EA	15" Diameter Concrete Pipe Joint Gasket	4.18	
33 41 13 00-0040	EA	18" Diameter Concrete Pipe Joint Gasket	4.84	
33 41 13 00-0041	EA	21" Diameter Concrete Pipe Joint Gasket	5.85	
33 41 13 00-0042	EA	24" Diameter Concrete Pipe Joint Gasket	6.85	
33 41 13 00-0043	EA	27" Diameter Concrete Pipe Joint Gasket	7.63	
33 41 13 00-0044	EA	30" Diameter Concrete Pipe Joint Gasket	8.39	
33 41 13 00-0045	EA	36" Diameter Concrete Pipe Joint Gasket	10.25	
33 41 13 00-0046	EA	42" Diameter Concrete Pipe Joint Gasket	11.88	
33 41 13 00-0047	EA	48" Diameter Concrete Pipe Joint Gasket	13.70	
33 41 13 00-0048	EA	54" Diameter Concrete Pipe Joint Gasket	16.80	
33 41 13 00-0049	EA	60" Diameter Concrete Pipe Joint Gasket	24.86	
33 41 13 00-0050	EA	66" Diameter Concrete Pipe Joint Gasket	12.92	
33 41 13 00-0051	EA	72" Diameter Concrete Pipe Joint Gasket	26.80	
33 41 13 00-0052	EA	78" Diameter Concrete Pipe Joint Gasket	15.42	
33 41 13 00-0053	EA	84" Diameter Concrete Pipe Joint Gasket	18.49	

33 41 13 00-0054 Precast Concrete End Sections *(33 41 13 00-0001)*

33 41 13 00-0055 Precast Concrete End Sections *(33 41 13 00-0054)*

33 41 13 00-0056	EA	12" Diameter Pipe, Precast Concrete End Section	584.88	86.43
33 41 13 00-0057	EA	15" Diameter Pipe, Precast Concrete End Section	787.57	106.99
33 41 13 00-0058	EA	18" Diameter Pipe, Precast Concrete End Section	974.33	135.44
33 41 13 00-0059	EA	21" Diameter Pipe, Precast Concrete End Section	1,116.37	161.97
33 41 13 00-0060	EA	24" Diameter Pipe, Precast Concrete End Section	1,182.34	187.47
33 41 13 00-0061	EA	27" Diameter Pipe, Precast Concrete End Section	1,472.43	228.65
33 41 13 00-0062	EA	30" Diameter Pipe, Precast Concrete End Section	1,814.67	343.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0063	EA	36" Diameter Pipe, Precast Concrete End Section	2,237.64	433.36
33 41 13 00-0064	EA	42" Diameter Pipe, Precast Concrete End Section	2,701.21	543.61
33 41 13 00-0065	EA	48" Diameter Pipe, Precast Concrete End Section	2,955.06	613.06
33 41 13 00-0066	EA	54" Diameter Pipe, Precast Concrete End Section	3,217.61	686.72
33 41 13 00-0067	EA	60" Diameter Pipe, Precast Concrete End Section	3,486.54	763.45
33 41 13 00-0068	EA	66" Diameter Pipe Precast Concrete End Section	3,542.95	628.19
33 41 13 00-0069	EA	72" Diameter Pipe Precast Concrete End Section	4,040.23	785.21
33 41 13 00-0070	EA	78" Diameter Pipe Precast Concrete End Section	4,790.71	981.52
33 41 13 00-0071	EA	84" Diameter Pipe Precast Concrete End Section	5,664.26	1,177.82

33 41 13 00-0072 Flared Precast Concrete End Sections *(33 41 13 00-0054)*

33 41 13 00-0073	EA	12" Diameter Pipe, Flared Precast Concrete End Section	736.60	89.39
33 41 13 00-0074	EA	15" Diameter Pipe, Flared Precast Concrete End Section	886.09	111.41
33 41 13 00-0075	EA	18" Diameter Pipe, Flared Precast Concrete End Section	1,073.94	141.02
33 41 13 00-0076	EA	21" Diameter Pipe, Flared Precast Concrete End Section	1,224.84	168.65
33 41 13 00-0077	EA	24" Diameter Pipe, Flared Precast Concrete End Section	1,497.86	195.20
33 41 13 00-0078	EA	27" Diameter Pipe, Flared Precast Concrete End Section	1,782.73	311.74
33 41 13 00-0079	EA	30" Diameter Pipe, Flared Precast Concrete End Section	1,822.26	429.22
33 41 13 00-0080	EA	36" Diameter Pipe, Flared Precast Concrete End Section	2,473.94	541.70
33 41 13 00-0081	EA	42" Diameter Pipe, Flared Precast Concrete End Section	2,959.54	679.66
33 41 13 00-0082	EA	48" Diameter Pipe, Flared Precast Concrete End Section	3,192.71	766.51
33 41 13 00-0083	EA	54" Diameter Pipe, Flared Precast Concrete End Section	3,570.73	858.51
33 41 13 00-0084	EA	60" Diameter Pipe, Flared Precast Concrete End Section	3,955.33	953.58
33 41 13 00-0085	EA	66" Diameter Pipe, Flared Precast Concrete End Section	4,617.76	1,098.67
33 41 13 00-0086	EA	72" Diameter Pipe, Flared Precast Concrete End Section	5,403.10	1,226.27
33 41 13 00-0087	EA	78" Diameter Pipe, Flared Precast Concrete End Section	6,130.34	1,379.49
33 41 13 00-0088	EA	84" Diameter Pipe, Flared Precast Concrete End Section	7,089.88	1,532.56

33 41 13 00-0089 Elliptical Precast Concrete End Sections *(33 41 13 00-0054)*

33 41 13 00-0090	EA	18" x 12" Elliptical Precast Concrete End Section	1,065.79	111.41
33 41 13 00-0091	EA	23" x 14" Elliptical Precast Concrete End Section	1,289.48	141.02
33 41 13 00-0092	EA	30" x 19" Elliptical Precast Concrete End Section	1,799.05	195.20
33 41 13 00-0093	EA	34" x 22" Elliptical Precast Concrete End Section	2,111.39	311.74
33 41 13 00-0094	EA	38" x 24" Elliptical Precast Concrete End Section	2,116.69	429.22
33 41 13 00-0095	EA	42" x 27" Elliptical Precast Concrete End Section	2,502.90	485.69
33 41 13 00-0096	EA	45" x 29" Elliptical Precast Concrete End Section	2,889.11	541.70
33 41 13 00-0097	EA	53" x 34" Elliptical Precast Concrete End Section	3,444.35	679.66
33 41 13 00-0098	EA	60" x 38" Elliptical Precast Concrete End Section	3,703.18	766.51
33 41 13 00-0099	EA	68" x 43" Elliptical Precast Concrete End Section	4,141.18	858.51
33 41 13 00-0100	EA	76" x 48" Elliptical Precast Concrete End Section	4,586.10	953.58

33 41 13 00-0101 Mitered Precast Concrete End Sections *(33 41 13 00-0054)*

33 41 13 00-0102	EA	12" Round Mitered Precast Concrete End Sections	297.42	89.39
33 41 13 00-0103	EA	15" Round Mitered Precast Concrete End Sections	329.65	111.41
33 41 13 00-0104	EA	18" Round Mitered Precast Concrete End Sections	400.26	141.02
33 41 13 00-0105	EA	24" Round Mitered Precast Concrete End Sections	575.84	195.20
33 41 13 00-0106	EA	18" x 12" Elliptical Mitered Precast Concrete End Sections	350.09	111.41
33 41 13 00-0107	EA	23" x 14" Elliptical Mitered Precast Concrete End Sections	436.60	141.02
33 41 13 00-0108	EA	30" x 19" Elliptical Mitered Precast Concrete End Sections	620.11	195.20

33 41 13 00-0109 Prestressed Concrete Cylinder Piping *(33 41 13)*

33 41 13 00-0110 150 PSI Prestressed Concrete Cylinder Pipe And Fittings *(33 41 13 00-0109)*

33 41 13 00-0111 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets *(33 41 13 00-0110)*

Note: Lined-cylinder pipe (AWWA C301) up to 48". Embedded-cylinder pipe (AWWA C301) >48".

33 41 13 00-0112	LF	12" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	86.27	12.38
		For >1,000, Deduct	*-4.31*	
		For 100 PSI, Deduct	*-17.15*	
33 41 13 00-0113	LF	15" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	92.23	13.77
		For >1,000, Deduct	*-4.61*	
		For 100 PSI, Deduct	*-18.14*	
33 41 13 00-0114	LF	18" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	101.05	17.18
		For >1,000, Deduct	*-5.05*	
		For 100 PSI, Deduct	*-19.13*	
33 41 13 00-0115	LF	21" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	111.44	21.66
		For >1,000, Deduct	*-5.57*	
		For 100 PSI, Deduct	*-20.12*	
33 41 13 00-0116	LF	24" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	122.04	26.31
		For >1,000, Deduct	*-6.10*	
		For 100 PSI, Deduct	*-21.12*	
33 41 13 00-0117	LF	30" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	143.37	33.77
		For >1,000, Deduct	*-7.17*	
		For 100 PSI, Deduct	*-23.64*	
33 41 13 00-0118	LF	36" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	158.91	38.37
		For >1,000, Deduct	*-7.95*	
		For 100 PSI, Deduct	*-26.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0119	LF	42" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	183.85	42.20
		For >1,000, Deduct	*-9.19*	
		For 100 PSI, Deduct	*-31.04*	
33 41 13 00-0120	LF	48" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	210.78	47.00
		For >1,000, Deduct	*-10.54*	
		For 100 PSI, Deduct	*-35.91*	
33 41 13 00-0121	LF	54" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	278.69	60.67
		For >1,000, Deduct	*-13.93*	
		For 100 PSI, Deduct	*-48.01*	
33 41 13 00-0122	LF	60" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	335.14	70.38
		For >1,000, Deduct	*-16.76*	
		For 100 PSI, Deduct	*-58.65*	
33 41 13 00-0123	LF	66" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	376.23	78.00
		For >1,000, Deduct	*-18.81*	
		For 100 PSI, Deduct	*-66.32*	
33 41 13 00-0124	LF	72" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	419.12	84.94
		For >1,000, Deduct	*-20.96*	
		For 100 PSI, Deduct	*-74.45*	
33 41 13 00-0125	LF	78" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	475.79	95.34
		For >1,000, Deduct	*-23.79*	
		For 100 PSI, Deduct	*-84.82*	
33 41 13 00-0126	LF	84" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	532.46	106.17
		For >1,000, Deduct	*-26.62*	
		For 100 PSI, Deduct	*-95.20*	
33 41 13 00-0127	LF	90" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	655.93	123.94
		For >1,000, Deduct	*-32.80*	
		For 100 PSI, Deduct	*-119.56*	
33 41 13 00-0128	LF	96" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	770.69	141.53
		For >1,000, Deduct	*-38.53*	
		For 100 PSI, Deduct	*-142.12*	
33 41 13 00-0129	LF	102" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	895.80	153.33
		For >1,000, Deduct	*-44.79*	
		For 100 PSI, Deduct	*-169.19*	
33 41 13 00-0130	LF	108" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	1,008.62	162.83
		For >1,000, Deduct	*-50.43*	
		For 100 PSI, Deduct	*-194.01*	
33 41 13 00-0131	LF	114" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	1,211.69	172.32
		For >1,000, Deduct	*-60.58*	
		For 100 PSI, Deduct	*-241.38*	
33 41 13 00-0132	LF	120" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	1,404.57	181.01
		For >1,000, Deduct	*-70.23*	
		For 100 PSI, Deduct	*-286.50*	
33 41 13 00-0133	LF	126" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	1,528.89	189.71
		For >1,000, Deduct	*-76.44*	
		For 100 PSI, Deduct	*-314.47*	
33 41 13 00-0134	LF	132" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	1,655.00	198.40
		For >1,000, Deduct	*-82.75*	
		For 100 PSI, Deduct	*-342.89*	
33 41 13 00-0135	LF	138" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	1,780.22	207.09
		For >1,000, Deduct	*-89.01*	
		For 100 PSI, Deduct	*-371.09*	
33 41 13 00-0136	LF	144" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	1,905.42	215.79
		For >1,000, Deduct	*-95.27*	
		For 100 PSI, Deduct	*-399.29*	

33 41 13 00-0137 150 PSI Prestressed Concrete Cylinder 90 Degree Elbows With Gaskets *(33 41 13 00-0110)*

33 41 13 00-0138	EA	12" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	324.15	116.06
33 41 13 00-0139	EA	15" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	450.71	165.79
33 41 13 00-0140	EA	18" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	582.89	221.07
33 41 13 00-0141	EA	21" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	715.07	276.33
33 41 13 00-0142	EA	24" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	871.57	343.39
33 41 13 00-0143	EA	30" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,111.86	460.55
33 41 13 00-0144	EA	36" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,362.73	537.09
33 41 13 00-0145	EA	42" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,587.61	626.87
33 41 13 00-0146	EA	48" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,791.40	715.87
33 41 13 00-0147	EA	54" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,208.71	893.88
33 41 13 00-0148	EA	60" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,909.49	1,213.40
33 41 13 00-0149	EA	66" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	3,248.04	1,343.40
33 41 13 00-0150	EA	72" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	3,586.58	1,473.41
33 41 13 00-0151	EA	78" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	4,271.64	1,690.08
33 41 13 00-0152	EA	84" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	4,951.91	1,906.77
33 41 13 00-0153	EA	90" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	5,842.25	2,166.78
33 41 13 00-0154	EA	96" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	6,727.81	2,426.79
33 41 13 00-0155	EA	102" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	8,926.15	3,082.65
33 41 13 00-0156	EA	108" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	11,075.55	3,699.18
33 41 13 00-0157	EA	114" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	14,443.24	4,932.24
33 41 13 00-0158	EA	120" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	17,752.58	6,165.30
33 41 13 00-0159	EA	126" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	19,915.49	6,649.72
33 41 13 00-0160	EA	132" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	22,081.67	7,134.14
33 41 13 00-0161	EA	138" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	28,163.09	7,618.55
33 41 13 00-0162	EA	144" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	26,456.18	8,102.97

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CSI	UOM	MINOR DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0163		150 PSI Prestressed Concrete Cylinder 45 Degree Elbows With Gaskets *(33 41 13 00-0110)*		
33 41 13 00-0164	EA	12" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	305.74	116.06
33 41 13 00-0165	EA	15" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	426.89	165.79
33 41 13 00-0166	EA	18" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	554.73	221.07
33 41 13 00-0167	EA	21" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	682.59	276.33
33 41 13 00-0168	EA	24" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	834.75	343.39
33 41 13 00-0169	EA	30" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,061.33	429.60
33 41 13 00-0170	EA	36" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,304.98	537.09
33 41 13 00-0171	EA	42" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,520.84	626.87
33 41 13 00-0172	EA	48" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,719.57	715.87
33 41 13 00-0173	EA	54" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,101.50	893.88
33 41 13 00-0174	EA	60" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,812.27	1,213.40
33 41 13 00-0175	EA	66" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	3,143.78	1,343.40
33 41 13 00-0176	EA	72" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	3,475.27	1,473.41
33 41 13 00-0177	EA	78" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	4,011.82	1,690.08
33 41 13 00-0178	EA	84" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	4,543.58	1,906.77
33 41 13 00-0179	EA	90" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	5,326.94	2,166.78
33 41 13 00-0180	EA	96" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	6,105.51	2,426.79
33 41 13 00-0181	EA	102" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	7,911.15	3,033.48
33 41 13 00-0182	EA	108" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	9,864.48	3,699.18
33 41 13 00-0183	EA	114" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	12,937.52	4,932.24
33 41 13 00-0184	EA	120" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	15,952.21	6,165.30
33 41 13 00-0185	EA	126" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	17,718.72	6,649.72
33 41 13 00-0186	EA	132" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	19,488.50	8,102.97
33 41 13 00-0187	EA	138" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	21,262.84	7,618.55
33 41 13 00-0188	EA	144" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	23,275.31	8,102.97
33 41 13 00-0189		400 PSI Prestressed Concrete Cylinder Pipe With Regular Joints *(33 41 13 00-0109)*		
33 41 13 00-0190		400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints *(33 41 13 00-0189)*		
		Note: AWWA C301		
33 41 13 00-0191	LF	30" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints	167.10	33.77
		For >1,000, Deduct	*-8.36*	
33 41 13 00-0192	LF	36" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints	202.75	38.37
		For >1,000, Deduct	*-10.14*	
33 41 13 00-0193	LF	42" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints	235.89	42.20
		For >1,000, Deduct	*-11.79*	
33 41 13 00-0194		400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints *(33 41 13 00-0189)*		
		Note: AWWA C301		
33 41 13 00-0195	LF	48" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	315.31	46.96
		For >1,000, Deduct	*-15.77*	
33 41 13 00-0196	LF	54" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	379.02	60.67
		For >1,000, Deduct	*-18.95*	
33 41 13 00-0197	LF	60" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	437.04	70.38
		For >1,000, Deduct	*-21.85*	
33 41 13 00-0198	LF	66" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	491.62	78.00
		For >1,000, Deduct	*-24.58*	
33 41 13 00-0199	LF	72" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	593.02	84.94
		For >1,000, Deduct	*-29.65*	
33 41 13 00-0200		Welded Joints For Prestressed Concrete Cylinder Pipe *(33 41 13 00-0189)*		
		Note: All pipe joints to be exposed and dewatered. Internal joint welding also requires joints to be ventilated and air quality checked.		
33 41 13 00-0201	EA	30" Welded Joint For Prestressed Concrete Cylinder Pipe	1,149.47	
33 41 13 00-0202	EA	36" Welded Joint For Prestressed Concrete Cylinder Pipe	1,234.61	
33 41 13 00-0203	EA	42" Welded Joint For Prestressed Concrete Cylinder Pipe	1,277.18	
33 41 13 00-0204	EA	48" Welded Joint For Prestressed Concrete Cylinder Pipe	1,447.48	
33 41 13 00-0205	EA	54" Welded Joint For Prestressed Concrete Cylinder Pipe	1,490.05	
33 41 13 00-0206	EA	60" Welded Joint For Prestressed Concrete Cylinder Pipe	1,575.19	
33 41 13 00-0207	EA	66" Welded Joint For Prestressed Concrete Cylinder Pipe	1,617.77	
33 41 13 00-0208	EA	72" Welded Joint For Prestressed Concrete Cylinder Pipe	1,660.34	
33 41 13 00-0209	EA	30" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	2,128.64	
33 41 13 00-0210	EA	36" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	2,128.64	
33 41 13 00-0211	EA	42" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	2,426.65	
33 41 13 00-0212	EA	48" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	2,426.65	
33 41 13 00-0213	EA	54" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	2,596.94	
33 41 13 00-0214	EA	60" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	2,596.94	
33 41 13 00-0215	EA	66" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	2,809.81	
33 41 13 00-0216	EA	72" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	2,809.81	
33 41 13 00-0217		Quick Test Joints *(33 41 13 00-0189)*		
33 41 13 00-0218	EA	30" Quick Test Joint	326.01	
33 41 13 00-0219	EA	36" Quick Test Joint	329.85	
33 41 13 00-0220	EA	42" Quick Test Joint	333.69	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0221	EA	48" Quick Test Joint	341.16	
33 41 13 00-0222	EA	54" Quick Test Joint	359.79	
33 41 13 00-0223	EA	60" Quick Test Joint	374.53	
33 41 13 00-0224	EA	66" Quick Test Joint	395.34	
33 41 13 00-0225	EA	72" Quick Test Joint	416.15	
33 41 13 00-0226		Harnessed Joints *(33 41 13 00-0189)*		
33 41 13 00-0227		Harness Clamp Restrained Joints *(33 41 13 00-0226)*		
33 41 13 00-0228	EA	30" Harness Clamp Restrained Joint	2,853.02	
33 41 13 00-0229	EA	36" Harness Clamp Restrained Joint	2,964.23	
33 41 13 00-0230	EA	42" Harness Clamp Restrained Joint	3,075.44	
33 41 13 00-0231	EA	48" Harness Clamp Restrained Joint	3,186.64	
33 41 13 00-0232	EA	54" Harness Clamp Restrained Joint	3,307.79	
33 41 13 00-0233	EA	60" Harness Clamp Restrained Joint	3,477.51	
33 41 13 00-0234	EA	66" Harness Clamp Restrained Joint	3,593.56	
33 41 13 00-0235	EA	72" Harness Clamp Restrained Joint	3,849.18	
33 41 13 00-0236		Snap Ring Restrained Joints *(33 41 13 00-0226)*		
33 41 13 00-0237	EA	30" Snap Ring Restrained Joint	490.86	
33 41 13 00-0238	EA	36" Snap Ring Restrained Joint	559.12	
33 41 13 00-0239	EA	42" Snap Ring Restrained Joint	745.50	
33 41 13 00-0240	EA	48" Snap Ring Restrained Joint	845.96	
33 41 13 00-0241	EA	54" Snap Ring Restrained Joint	956.37	
33 41 13 00-0242	EA	60" Snap Ring Restrained Joint	1,083.15	
33 41 13 00-0243	EA	66" Snap Ring Restrained Joint	1,199.19	
33 41 13 00-0244	EA	72" Snap Ring Restrained Joint	1,336.71	
33 41 13 00-0245		Pipe Repairs *(33 41 13 00-0189)* Note: For repair of damaged or defective lined or embedded cylinder concrete pipe. Includes 2 concrete adapters, MJDI sleeve, 20' pipe.		
33 41 13 00-0246		Lined Cylinder Pipe Repair *(33 41 13 00-0245)*		
33 41 13 00-0247	EA	30" Lined Cylinder Pipe Repair	4,367.98	
33 41 13 00-0248	EA	36" Lined Cylinder Pipe Repair	5,408.75	
33 41 13 00-0249	EA	42" Lined Cylinder Pipe Repair	6,504.98	
33 41 13 00-0250		Embedded Cylinder Pipe Repair *(33 41 13 00-0245)* Note: Field welded concrete enclosure assembly with concrete pipe.		
33 41 13 00-0251	EA	48" Embedded Cylinder Pipe Repair	9,548.75	
33 41 13 00-0252	EA	54" Embedded Cylinder Pipe Repair	11,069.50	
33 41 13 00-0253	EA	60" Embedded Cylinder Pipe Repair	12,603.13	
33 41 13 00-0254	EA	66" Embedded Cylinder Pipe Repair	14,236.74	
33 41 13 00-0255	EA	72" Embedded Cylinder Pipe Repair	17,056.56	
33 41 13 00-0256		High Density Polyethylene (HDPE) Drainage Piping *(33 41 13)*		
33 41 13 00-0257		Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping *(33 41 13 00-0256)* Note: Excludes couplings and gaskets.		
33 41 13 00-0258		Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping *(33 41 13 00-0257)*		
33 41 13 00-0259	LF	4" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	10.97	5.05
		For <100, Add	*2.02*	
		For >1,000, Deduct	*-0.55*	
33 41 13 00-0260	LF	6" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	13.94	5.88
		For <100, Add	*2.35*	
		For >1,000, Deduct	*-0.70*	
33 41 13 00-0261	LF	8" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	16.93	6.83
		For <100, Add	*2.73*	
		For >1,000, Deduct	*-0.85*	
33 41 13 00-0262	LF	10" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	18.85	7.07
		For <100, Add	*2.83*	
		For >1,000, Deduct	*-0.94*	
33 41 13 00-0263	LF	12" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	19.75	7.32
		For <100, Add	*2.93*	
		For >1,000, Deduct	*-0.99*	
33 41 13 00-0264	LF	15" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	22.01	7.59
		For <100, Add	*3.03*	
		For >1,000, Deduct	*-1.10*	
33 41 13 00-0265	LF	18" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	25.93	7.86
		For <100, Add	*3.14*	
		For >1,000, Deduct	*-1.30*	
33 41 13 00-0266	LF	24" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	34.68	9.21
		For <100, Add	*3.68*	
		For >1,000, Deduct	*-1.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0267	LF	30" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	48.81	12.40
		For <100, Add	*4.96*	
		For >1,000, Deduct	*-2.44*	
33 41 13 00-0268	LF	36" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	63.81	15.67
		For <100, Add	*6.27*	
		For >1,000, Deduct	*-3.19*	

33 41 13 00-0269 Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping *(33 41 13 00-0257)*

33 41 13 00-0270	LF	12" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	19.66	7.32
		For <100, Add	*2.93*	
		For >1,000, Deduct	*-0.98*	
33 41 13 00-0271	LF	15" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	22.37	7.59
		For <100, Add	*3.03*	
		For >1,000, Deduct	*-1.12*	
33 41 13 00-0272	LF	18" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	26.47	7.86
		For <100, Add	*3.14*	
		For >1,000, Deduct	*-1.32*	
33 41 13 00-0273	LF	24" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	35.53	9.21
		For <100, Add	*3.68*	
		For >1,000, Deduct	*-1.78*	
33 41 13 00-0274	LF	30" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	51.15	12.40
		For <100, Add	*4.96*	
		For >1,000, Deduct	*-2.56*	
33 41 13 00-0275	LF	36" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	65.55	15.67
		For <100, Add	*6.27*	
		For >1,000, Deduct	*-3.28*	
33 41 13 00-0276	LF	42" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	83.57	17.09
		For <100, Add	*6.84*	
		For >1,000, Deduct	*-4.18*	
33 41 13 00-0277	LF	48" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	91.50	19.29
		For <100, Add	*7.71*	
		For >1,000, Deduct	*-4.58*	

33 41 13 00-0278 Single Wall, Corrugated High Density Polyethylene (HDPE) Piping *(33 41 13 00-0256)*

Note: Excludes couplings and gaskets.

33 41 13 00-0279 Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Piping *(33 41 13 00-0278)*

33 41 13 00-0280	LF	4" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	10.64	5.05
		For <100, Add	*2.02*	
		For >1,000, Deduct	*-0.53*	
33 41 13 00-0281	LF	6" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	12.93	5.88
		For <100, Add	*2.35*	
		For >1,000, Deduct	*-0.65*	
33 41 13 00-0282	LF	8" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	15.74	6.83
		For <100, Add	*2.73*	
		For >1,000, Deduct	*-0.79*	
33 41 13 00-0283	LF	10" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	17.98	7.07
		For <100, Add	*2.83*	
		For >1,000, Deduct	*-0.90*	
33 41 13 00-0284	LF	12" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	19.42	7.32
		For <100, Add	*2.93*	
		For >1,000, Deduct	*-0.97*	
33 41 13 00-0285	LF	15" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	22.11	7.59
		For <100, Add	*3.03*	
		For >1,000, Deduct	*-1.11*	
33 41 13 00-0286	LF	18" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	26.60	7.86
		For <100, Add	*3.14*	
		For >1,000, Deduct	*-1.33*	
33 41 13 00-0287	LF	24" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	35.41	9.21
		For <100, Add	*3.68*	
		For >1,000, Deduct	*-1.77*	

33 41 13 00-0288 Perforated, Corrugated High Density Polyethylene (HDPE) Piping *(33 41 13 00-0256)*

Note: Excludes couplings and gaskets.

33 41 13 00-0289 Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping *(33 41 13 00-0288)*

33 41 13 00-0290	LF	4" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	10.98	5.05
		For <100, Add	*2.02*	
		For >1,000, Deduct	*-0.55*	
33 41 13 00-0291	LF	6" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	13.95	5.88
		For <100, Add	*2.35*	
		For >1,000, Deduct	*-0.70*	
33 41 13 00-0292	LF	8" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	16.93	6.83
		For <100, Add	*2.73*	
		For >1,000, Deduct	*-0.85*	
33 41 13 00-0293	LF	10" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	18.86	7.07
		For <100, Add	*2.83*	
		For >1,000, Deduct	*-0.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0294	LF	12" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	19.75	7.32
		For <100, Add	*2.93*	
		For >1,000, Deduct	*-0.99*	
33 41 13 00-0295	LF	15" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	22.02	7.59
		For <100, Add	*3.03*	
		For >1,000, Deduct	*-1.10*	
33 41 13 00-0296	LF	18" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	25.94	7.86
		For <100, Add	*3.14*	
		For >1,000, Deduct	*-1.30*	
33 41 13 00-0297	LF	24" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	34.68	9.21
		For <100, Add	*3.68*	
		For >1,000, Deduct	*-1.73*	
33 41 13 00-0298	LF	30" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	48.96	12.40
		For <100, Add	*4.96*	
		For >1,000, Deduct	*-2.45*	
33 41 13 00-0299	LF	36" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	63.81	15.67
		For <100, Add	*6.27*	
		For >1,000, Deduct	*-3.19*	

33 41 13 00-0300 Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping *(33 41 13 00-0288)*

33 41 13 00-0301	LF	12" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	19.68	7.32
		For <100, Add	*2.93*	
		For >1,000, Deduct	*-0.98*	
33 41 13 00-0302	LF	15" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	22.38	7.59
		For <100, Add	*3.03*	
		For >1,000, Deduct	*-1.12*	
33 41 13 00-0303	LF	18" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	26.48	7.86
		For <100, Add	*3.14*	
		For >1,000, Deduct	*-1.32*	
33 41 13 00-0304	LF	24" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	35.53	9.21
		For <100, Add	*3.68*	
		For >1,000, Deduct	*-1.78*	
33 41 13 00-0305	LF	30" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	51.15	12.40
		For <100, Add	*4.96*	
		For >1,000, Deduct	*-2.56*	
33 41 13 00-0306	LF	36" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	65.55	15.67
		For <100, Add	*6.27*	
		For >1,000, Deduct	*-3.28*	
33 41 13 00-0307	LF	42" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	83.57	17.09
		For <100, Add	*6.84*	
		For >1,000, Deduct	*-4.18*	
33 41 13 00-0308	LF	48" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	91.50	19.29
		For <100, Add	*7.71*	
		For >1,000, Deduct	*-4.58*	

33 41 13 00-0309 Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Piping *(33 41 13 00-0288)*

33 41 13 00-0310	LF	4" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	10.65	5.05
		For <100, Add	*2.02*	
		For >1,000, Deduct	*-0.53*	
33 41 13 00-0311	LF	6" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	12.93	5.88
		For <100, Add	*2.35*	
		For >1,000, Deduct	*-0.65*	
33 41 13 00-0312	LF	8" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	15.68	6.83
		For <100, Add	*2.73*	
		For >1,000, Deduct	*-0.78*	
33 41 13 00-0313	LF	10" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	17.98	7.07
		For <100, Add	*2.83*	
		For >1,000, Deduct	*-0.90*	
33 41 13 00-0314	LF	12" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	19.42	7.32
		For <100, Add	*2.93*	
		For >1,000, Deduct	*-0.97*	
33 41 13 00-0315	LF	15" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	22.11	7.59
		For <100, Add	*3.03*	
		For >1,000, Deduct	*-1.11*	
33 41 13 00-0316	LF	18" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	26.60	7.86
		For <100, Add	*3.14*	
		For >1,000, Deduct	*-1.33*	
33 41 13 00-0317	LF	24" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	35.41	9.21
		For <100, Add	*3.68*	
		For >1,000, Deduct	*-1.77*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0318		Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe Fittings *(33 41 13 00-0256)* Note: Excludes couplings and gaskets.			
33 41 13 00-0319		Tees, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) *(33 41 13 00-0318)*			
33 41 13 00-0320	EA	4" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)		30.62	17.60
33 41 13 00-0321	EA	6" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)		36.58	20.54
33 41 13 00-0322	EA	8" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)		49.20	24.95
33 41 13 00-0323	EA	10" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)		66.40	30.82
33 41 13 00-0324	EA	12" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)		90.47	36.69
33 41 13 00-0325	EA	15" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)		123.08	47.94
33 41 13 00-0326	EA	18" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)		171.77	64.56
33 41 13 00-0327	EA	24" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)		208.91	73.70
33 41 13 00-0328	EA	30" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)		313.44	85.11
33 41 13 00-0329	EA	36" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)		389.39	98.31
33 41 13 00-0330	EA	42" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)		592.83	117.39
33 41 13 00-0331	EA	48" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)		734.58	139.40
33 41 13 00-0332		Wyes, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) *(33 41 13 00-0318)*			
33 41 13 00-0333	EA	4" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)		35.05	17.60
33 41 13 00-0334	EA	6" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)		41.45	20.54
33 41 13 00-0335	EA	8" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)		52.27	24.95
33 41 13 00-0336	EA	10" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)		69.78	30.82
33 41 13 00-0337	EA	12" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)		101.37	36.69
33 41 13 00-0338	EA	15" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)		119.74	47.94
33 41 13 00-0339	EA	18" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)		165.26	64.56
33 41 13 00-0340		22-1/2 Degree Bends, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) *(33 41 13 00-0318)*			
33 41 13 00-0341	EA	4" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)		19.86	11.74
33 41 13 00-0342	EA	6" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)		23.55	13.70
33 41 13 00-0343	EA	8" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)		30.35	16.63
33 41 13 00-0344	EA	10" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)		37.73	20.54
33 41 13 00-0345	EA	12" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)		48.33	24.45
33 41 13 00-0346	EA	15" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)		67.55	31.30
33 41 13 00-0347	EA	18" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)		91.39	43.04
33 41 13 00-0348	EA	24" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)		134.13	48.91
33 41 13 00-0349	EA	30" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)		172.91	56.73
33 41 13 00-0350	EA	36" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)		201.50	65.54
33 41 13 00-0351	EA	42" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)		250.92	78.26
33 41 13 00-0352	EA	48" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)		323.77	92.93
33 41 13 00-0353		45 Degree Bends, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) *(33 41 13 00-0318)*			
33 41 13 00-0354	EA	4" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)		20.34	11.74
33 41 13 00-0355	EA	6" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)		24.56	13.70
33 41 13 00-0356	EA	8" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)		30.87	16.63
33 41 13 00-0357	EA	10" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)		41.93	20.54
33 41 13 00-0358	EA	12" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)		48.33	24.45
33 41 13 00-0359	EA	15" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)		67.46	31.30
33 41 13 00-0360	EA	18" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)		98.16	43.04
33 41 13 00-0361	EA	24" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)		139.37	48.91
33 41 13 00-0362	EA	30" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)		173.16	56.73
33 41 13 00-0363	EA	36" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)		212.78	65.54
33 41 13 00-0364	EA	42" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)		294.44	78.26
33 41 13 00-0365	EA	48" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)		362.78	92.93
33 41 13 00-0366		Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe Fittings *(33 41 13 00-0256)* Note: Excludes couplings and gaskets.			
33 41 13 00-0367		Tees, Single Wall, Corrugated High Density Polyethylene (HDPE) *(33 41 13 00-0366)*			
33 41 13 00-0368	EA	4" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)		27.63	17.60
33 41 13 00-0369	EA	6" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)		32.38	20.54
33 41 13 00-0370	EA	8" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)		42.47	24.95
33 41 13 00-0371	EA	10" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)		53.08	30.82
33 41 13 00-0372	EA	12" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)		67.92	36.69
33 41 13 00-0373	EA	15" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)		109.38	47.94
33 41 13 00-0374	EA	18" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)		139.49	64.56
33 41 13 00-0375	EA	24" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)		205.34	73.37
33 41 13 00-0376		Wyes, Single Wall, Corrugated High Density Polyethylene (HDPE) *(33 41 13 00-0366)*			
33 41 13 00-0377	EA	4" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE)		27.82	17.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0378	EA	6" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE)	32.98	20.54
33 41 13 00-0379	EA	8" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE)	48.75	24.95
33 41 13 00-0380		45 Degree Bends, Single Wall, Corrugated High Density Polyethylene (HDPE) *(33 41 13 00-0366)*		
33 41 13 00-0381	EA	4" 45 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE)	18.48	11.74
33 41 13 00-0382		90 Degree Bends, Single Wall, Corrugated High Density Polyethylene (HDPE) *(33 41 13 00-0366)*		
33 41 13 00-0383	EA	4" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE)	18.68	11.74
33 41 13 00-0384	EA	6" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE)	22.36	13.70
33 41 13 00-0385	EA	8" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE)	28.77	16.63
33 41 13 00-0386	EA	10" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE)	36.26	20.54
33 41 13 00-0387		Couplings And End Sections, Corrugated High Density Polyethylene (HDPE) Pipe *(33 41 13 00-0256)*		
		Note: For single and double wall high density polyethylene (HDPE) piping.		
33 41 13 00-0388		Couplings, Corrugated High Density Polyethylene (HDPE) Pipe *(33 41 13 00-0387)*		
33 41 13 00-0389	EA	4" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	0.29	
33 41 13 00-0390	EA	6" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	0.52	
33 41 13 00-0391	EA	8" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	0.80	
33 41 13 00-0392	EA	10" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	0.98	
33 41 13 00-0393	EA	12" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	1.06	
33 41 13 00-0394	EA	15" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	1.51	
33 41 13 00-0395	EA	18" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	2.23	
33 41 13 00-0396	EA	24" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	3.55	
33 41 13 00-0397	EA	30" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	5.44	
33 41 13 00-0398	EA	36" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	7.12	
33 41 13 00-0399	EA	42" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	11.20	
33 41 13 00-0400	EA	48" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	15.15	
33 41 13 00-0401		Self Adhering Gaskets, Corrugated High Density Polyethylene (HDPE) Pipe *(33 41 13 00-0387)*		
33 41 13 00-0402	EA	4" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	15.34	
33 41 13 00-0403	EA	6" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	16.06	
33 41 13 00-0404	EA	8" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	16.82	
33 41 13 00-0405	EA	10" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	17.61	
33 41 13 00-0406	EA	12" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	20.88	
33 41 13 00-0407	EA	15" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	21.56	
33 41 13 00-0408	EA	18" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	22.49	
33 41 13 00-0409	EA	24" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	25.61	
33 41 13 00-0410	EA	30" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	41.06	
33 41 13 00-0411	EA	36" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	44.97	
33 41 13 00-0412	EA	42" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	49.00	
33 41 13 00-0413	EA	48" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	59.51	
33 41 13 00-0414		End Sections, Corrugated High Density Polyethylene (HDPE) Pipe *(33 41 13 00-0387)*		
33 41 13 00-0415	EA	10" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	106.38	44.00
33 41 13 00-0416	EA	12" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	122.00	49.50
33 41 13 00-0417	EA	15" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	130.48	53.16
33 41 13 00-0418	EA	18" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	148.10	58.66
33 41 13 00-0419	EA	24" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	181.69	69.66
33 41 13 00-0420	EA	30" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	301.39	78.82
33 41 13 00-0421	EA	36" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	335.69	87.99
33 41 13 00-0422		Corrugated Metal Piping *(33 41 13)*		
33 41 13 00-0423		Galvanized Corrugated Steel Piping *(33 41 13 00-0422)*		
33 41 13 00-0424		2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 41 13 00-0423)*		
33 41 13 00-0425		16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 41 13 00-0424)*		
33 41 13 00-0426	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	25.02	7.74
		For Bituminous Coated Pipe, Add	*2.17*	
		For Bituminous Coated And 25% Paved, Add	*4.43*	
		For Smooth-Flo, Add	*7.91*	
33 41 13 00-0427	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	27.91	8.10
		For Bituminous Coated Pipe, Add	*2.72*	
		For Bituminous Coated And 25% Paved, Add	*5.57*	
		For Smooth-Flo, Add	*9.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0428	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	30.89	8.84
		For Bituminous Coated Pipe, Add	*3.30*	
		For Bituminous Coated And 25% Paved, Add	*6.75*	
		For Smooth-Flo, Add	*12.06*	
33 41 13 00-0429	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	34.94	9.57
		For Bituminous Coated Pipe, Add	*3.95*	
		For Bituminous Coated And 25% Paved, Add	*8.08*	
		For Smooth-Flo, Add	*14.43*	
33 41 13 00-0430	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	38.57	10.32
		For Bituminous Coated Pipe, Add	*4.44*	
		For Bituminous Coated And 25% Paved, Add	*9.09*	
		For Smooth-Flo, Add	*16.23*	
33 41 13 00-0431	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	51.04	13.26
		For Bituminous Coated Pipe, Add	*5.77*	
		For Bituminous Coated And 25% Paved, Add	*11.80*	
		For Smooth-Flo, Add	*21.07*	
33 41 13 00-0432	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	65.86	16.88
		For Bituminous Coated Pipe, Add	*7.27*	
		For Bituminous Coated And 25% Paved, Add	*14.87*	
		For Smooth-Flo, Add	*26.56*	
33 41 13 00-0433	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	74.62	19.95
		For Bituminous Coated Pipe, Add	*8.61*	
		For Bituminous Coated And 25% Paved, Add	*17.60*	
		For Smooth-Flo, Add	*31.44*	
33 41 13 00-0434	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	83.90	23.02
		For Bituminous Coated Pipe, Add	*9.64*	
		For Bituminous Coated And 25% Paved, Add	*19.72*	
		For Smooth-Flo, Add	*35.21*	
33 41 13 00-0435		14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 41 13 00-0424)*		
33 41 13 00-0436	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	26.95	7.74
		For Bituminous Coated Pipe, Add	*2.20*	
		For Bituminous Coated And 25% Paved, Add	*5.09*	
		For Smooth-Flo, Add	*10.29*	
33 41 13 00-0437	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	30.29	8.10
		For Bituminous Coated Pipe, Add	*2.76*	
		For Bituminous Coated And 25% Paved, Add	*6.38*	
		For Smooth-Flo, Add	*12.90*	
33 41 13 00-0438	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	33.77	8.84
		For Bituminous Coated Pipe, Add	*3.34*	
		For Bituminous Coated And 25% Paved, Add	*7.73*	
		For Smooth-Flo, Add	*15.63*	
33 41 13 00-0439	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	38.26	9.57
		For Bituminous Coated Pipe, Add	*3.97*	
		For Bituminous Coated And 25% Paved, Add	*9.19*	
		For Smooth-Flo, Add	*18.58*	
33 41 13 00-0440	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	42.44	10.32
		For Bituminous Coated Pipe, Add	*4.49*	
		For Bituminous Coated And 25% Paved, Add	*10.40*	
		For Smooth-Flo, Add	*21.03*	
33 41 13 00-0441	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	55.76	13.26
		For Bituminous Coated Pipe, Add	*5.77*	
		For Bituminous Coated And 25% Paved, Add	*13.36*	
		For Smooth-Flo, Add	*27.01*	
33 41 13 00-0442	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	71.59	16.88
		For Bituminous Coated Pipe, Add	*7.23*	
		For Bituminous Coated And 25% Paved, Add	*16.75*	
		For Smooth-Flo, Add	*33.85*	
33 41 13 00-0443	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	81.18	19.95
		For Bituminous Coated Pipe, Add	*8.51*	
		For Bituminous Coated And 25% Paved, Add	*19.71*	
		For Smooth-Flo, Add	*39.85*	
33 41 13 00-0444	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	91.41	23.02
		For Bituminous Coated Pipe, Add	*9.56*	
		For Bituminous Coated And 25% Paved, Add	*22.16*	
		For Smooth-Flo, Add	*44.78*	
33 41 13 00-0445	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	108.77	26.09
		For Bituminous Coated Pipe, Add	*11.76*	
		For Bituminous Coated And 25% Paved, Add	*27.25*	
		For Smooth-Flo, Add	*55.08*	
33 41 13 00-0446		12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 41 13 00-0424)*		
33 41 13 00-0447	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	39.73	8.84
		For Bituminous Coated Pipe, Add	*3.82*	
		For Bituminous Coated And 25% Paved, Add	*6.90*	
		For Smooth-Flo, Add	*13.26*	
33 41 13 00-0448	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	45.19	9.57
		For Bituminous Coated Pipe, Add	*4.52*	
		For Bituminous Coated And 25% Paved, Add	*8.16*	
		For Smooth-Flo, Add	*15.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0449	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	50.33	9.57
		For Bituminous Coated Pipe, Add	*5.12*	
		For Bituminous Coated And 25% Paved, Add	*9.25*	
		For Smooth-Flo, Add	*17.77*	
33 41 13 00-0450	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	65.51	13.26
		For Bituminous Coated Pipe, Add	*6.51*	
		For Bituminous Coated And 25% Paved, Add	*11.76*	
		For Smooth-Flo, Add	*22.60*	
33 41 13 00-0451	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	83.17	16.88
		For Bituminous Coated Pipe, Add	*8.05*	
		For Bituminous Coated And 25% Paved, Add	*14.54*	
		For Smooth-Flo, Add	*27.94*	
33 41 13 00-0452	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	94.56	19.95
		For Bituminous Coated Pipe, Add	*9.44*	
		For Bituminous Coated And 25% Paved, Add	*17.04*	
		For Smooth-Flo, Add	*32.75*	
33 41 13 00-0453	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	106.74	23.02
		For Bituminous Coated Pipe, Add	*10.65*	
		For Bituminous Coated And 25% Paved, Add	*19.24*	
		For Smooth-Flo, Add	*36.98*	
33 41 13 00-0454	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	125.69	26.09
		For Bituminous Coated Pipe, Add	*12.77*	
		For Bituminous Coated And 25% Paved, Add	*23.07*	
		For Smooth-Flo, Add	*44.33*	
33 41 13 00-0455	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	137.37	27.62
		For Bituminous Coated Pipe, Add	*13.99*	
		For Bituminous Coated And 25% Paved, Add	*25.26*	
		For Smooth-Flo, Add	*48.55*	
33 41 13 00-0456	LF	66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	166.29	33.77
		For Bituminous Coated Pipe, Add	*17.03*	
		For Bituminous Coated And 25% Paved, Add	*30.76*	
		For Smooth-Flo, Add	*59.11*	
33 41 13 00-0457		10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 41 13 00-0424)*		
33 41 13 00-0458	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	94.00	16.88
		For Bituminous Coated Pipe, Add	*10.24*	
		For Bituminous Coated And 25% Paved, Add	*17.11*	
		For Smooth-Flo, Add	*24.41*	
33 41 13 00-0459	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	107.23	19.95
		For Bituminous Coated Pipe, Add	*12.00*	
		For Bituminous Coated And 25% Paved, Add	*20.04*	
		For Smooth-Flo, Add	*28.60*	
33 41 13 00-0460	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	121.12	23.02
		For Bituminous Coated Pipe, Add	*13.56*	
		For Bituminous Coated And 25% Paved, Add	*22.65*	
		For Smooth-Flo, Add	*32.32*	
33 41 13 00-0461	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	141.81	26.09
		For Bituminous Coated Pipe, Add	*16.06*	
		For Bituminous Coated And 25% Paved, Add	*26.83*	
		For Smooth-Flo, Add	*38.28*	
33 41 13 00-0462	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	155.30	27.62
		For Bituminous Coated Pipe, Add	*17.64*	
		For Bituminous Coated And 25% Paved, Add	*29.46*	
		For Smooth-Flo, Add	*42.04*	
33 41 13 00-0463	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	186.00	33.77
		For Bituminous Coated Pipe, Add	*21.10*	
		For Bituminous Coated And 25% Paved, Add	*35.25*	
		For Smooth-Flo, Add	*50.29*	
33 41 13 00-0464	LF	72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	226.38	49.10
		For Bituminous Coated Pipe, Add	*22.66*	
		For Bituminous Coated And 25% Paved, Add	*37.85*	
		For Smooth-Flo, Add	*54.00*	
33 41 13 00-0465		3" x 1" Corrugation, Galvanized Corrugated Steel Piping *(33 41 13 00-0423)*		
33 41 13 00-0466		16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping *(33 41 13 00-0465)*		
33 41 13 00-0467	LF	36" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	75.80	16.88
		For Bituminous Coated Pipe, Add	*8.00*	
		For Bituminous Coated And 25% Paved, Add	*18.16*	
		For Smooth-Flo, Add	*36.15*	
33 41 13 00-0468	LF	42" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	86.01	19.95
		For Bituminous Coated Pipe, Add	*9.39*	
		For Bituminous Coated And 25% Paved, Add	*21.32*	
		For Smooth-Flo, Add	*42.44*	
33 41 13 00-0469	LF	48" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	96.73	23.02
		For Bituminous Coated Pipe, Add	*10.53*	
		For Bituminous Coated And 25% Paved, Add	*23.91*	
		For Smooth-Flo, Add	*47.60*	
33 41 13 00-0470	LF	54" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	114.88	26.09
		For Bituminous Coated Pipe, Add	*12.87*	
		For Bituminous Coated And 25% Paved, Add	*29.21*	
		For Smooth-Flo, Add	*58.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0471	LF	60" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	125.16	27.62
		For Bituminous Coated Pipe, Add	*14.02*	
		For Bituminous Coated And 25% Paved, Add	*31.82*	
		For Smooth-Flo, Add	*63.35*	
33 41 13 00-0472	LF	66" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	156.13	33.77
		For Bituminous Coated Pipe, Add	*18.00*	
		For Bituminous Coated And 25% Paved, Add	*40.87*	
		For Smooth-Flo, Add	*81.38*	
33 41 13 00-0473	LF	72" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	193.60	49.10
		For Bituminous Coated Pipe, Add	*19.19*	
		For Bituminous Coated And 25% Paved, Add	*43.56*	
		For Smooth-Flo, Add	*86.74*	
33 41 13 00-0474	LF	78" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	209.33	53.71
		For Bituminous Coated Pipe, Add	*20.38*	
		For Bituminous Coated And 25% Paved, Add	*46.27*	
		For Smooth-Flo, Add	*92.13*	
33 41 13 00-0475	LF	84" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	222.97	57.55
		For Bituminous Coated Pipe, Add	*21.57*	
		For Bituminous Coated And 25% Paved, Add	*48.97*	
		For Smooth-Flo, Add	*97.51*	
33 41 13 00-0476	LF	90" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	236.62	61.38
		For Bituminous Coated Pipe, Add	*22.77*	
		For Bituminous Coated And 25% Paved, Add	*51.69*	
		For Smooth-Flo, Add	*102.92*	
33 41 13 00-0477	LF	96" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	250.78	65.22
		For Bituminous Coated Pipe, Add	*23.96*	
		For Bituminous Coated And 25% Paved, Add	*54.38*	
		For Smooth-Flo, Add	*108.28*	
33 41 13 00-0478	LF	102" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	267.12	69.06
		For Bituminous Coated Pipe, Add	*25.16*	
		For Bituminous Coated And 25% Paved, Add	*57.10*	
		For Smooth-Flo, Add	*113.71*	
33 41 13 00-0479		14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping *(33 41 13 00-0465)*		
33 41 13 00-0480	LF	54" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	125.02	26.09
		For Bituminous Coated Pipe, Add	*14.89*	
		For Bituminous Coated And 25% Paved, Add	*29.19*	
		For Smooth-Flo, Add	*58.98*	
33 41 13 00-0481	LF	60" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	136.38	27.62
		For Bituminous Coated Pipe, Add	*16.26*	
		For Bituminous Coated And 25% Paved, Add	*31.87*	
		For Smooth-Flo, Add	*64.39*	
33 41 13 00-0482	LF	66" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	168.47	33.77
		For Bituminous Coated Pipe, Add	*20.47*	
		For Bituminous Coated And 25% Paved, Add	*40.13*	
		For Smooth-Flo, Add	*81.07*	
33 41 13 00-0483	LF	72" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	207.05	49.10
		For Bituminous Coated Pipe, Add	*21.88*	
		For Bituminous Coated And 25% Paved, Add	*42.88*	
		For Smooth-Flo, Add	*86.64*	
33 41 13 00-0484	LF	78" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	223.85	53.71
		For Bituminous Coated Pipe, Add	*23.29*	
		For Bituminous Coated And 25% Paved, Add	*45.64*	
		For Smooth-Flo, Add	*92.21*	
33 41 13 00-0485	LF	84" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	238.63	57.55
		For Bituminous Coated Pipe, Add	*24.71*	
		For Bituminous Coated And 25% Paved, Add	*48.42*	
		For Smooth-Flo, Add	*97.84*	
33 41 13 00-0486	LF	90" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	253.34	61.38
		For Bituminous Coated Pipe, Add	*26.11*	
		For Bituminous Coated And 25% Paved, Add	*51.18*	
		For Smooth-Flo, Add	*103.41*	
33 41 13 00-0487	LF	96" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	268.60	65.22
		For Bituminous Coated Pipe, Add	*27.52*	
		For Bituminous Coated And 25% Paved, Add	*53.94*	
		For Smooth-Flo, Add	*108.98*	
33 41 13 00-0488	LF	102" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	286.02	69.06
		For Bituminous Coated Pipe, Add	*28.94*	
		For Bituminous Coated And 25% Paved, Add	*56.71*	
		For Smooth-Flo, Add	*114.59*	
33 41 13 00-0489	LF	108" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	305.22	76.73
		For Bituminous Coated Pipe, Add	*30.35*	
		For Bituminous Coated And 25% Paved, Add	*59.49*	
		For Smooth-Flo, Add	*120.19*	
33 41 13 00-0490	LF	114" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	323.97	84.40
		For Bituminous Coated Pipe, Add	*31.74*	
		For Bituminous Coated And 25% Paved, Add	*62.21*	
		For Smooth-Flo, Add	*125.70*	
33 41 13 00-0491		12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping *(33 41 13 00-0465)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0492	LF	60" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	161.26	27.62
		For Bituminous Coated Pipe, Add	*21.24*	
		For Bituminous Coated And 25% Paved, Add	*40.45*	
		For Smooth-Flo, Add	*65.94*	
33 41 13 00-0493	LF	66" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	196.03	33.77
		For Bituminous Coated Pipe, Add	*25.98*	
		For Bituminous Coated And 25% Paved, Add	*49.50*	
		For Smooth-Flo, Add	*80.68*	
33 41 13 00-0494	LF	72" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	237.01	49.10
		For Bituminous Coated Pipe, Add	*27.87*	
		For Bituminous Coated And 25% Paved, Add	*53.10*	
		For Smooth-Flo, Add	*86.54*	
33 41 13 00-0495	LF	78" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	256.24	53.71
		For Bituminous Coated Pipe, Add	*29.76*	
		For Bituminous Coated And 25% Paved, Add	*56.70*	
		For Smooth-Flo, Add	*92.42*	
33 41 13 00-0496	LF	84" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	273.43	57.55
		For Bituminous Coated Pipe, Add	*31.67*	
		For Bituminous Coated And 25% Paved, Add	*60.32*	
		For Smooth-Flo, Add	*98.32*	
33 41 13 00-0497	LF	90" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	290.56	61.38
		For Bituminous Coated Pipe, Add	*33.56*	
		For Bituminous Coated And 25% Paved, Add	*63.93*	
		For Smooth-Flo, Add	*104.20*	
33 41 13 00-0498	LF	96" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	308.28	65.22
		For Bituminous Coated Pipe, Add	*35.46*	
		For Bituminous Coated And 25% Paved, Add	*67.54*	
		For Smooth-Flo, Add	*110.09*	
33 41 13 00-0499	LF	102" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	328.12	69.06
		For Bituminous Coated Pipe, Add	*37.36*	
		For Bituminous Coated And 25% Paved, Add	*71.16*	
		For Smooth-Flo, Add	*115.99*	
33 41 13 00-0500	LF	108" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	349.71	76.73
		For Bituminous Coated Pipe, Add	*39.25*	
		For Bituminous Coated And 25% Paved, Add	*74.77*	
		For Smooth-Flo, Add	*121.87*	
33 41 13 00-0501	LF	114" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	370.90	84.40
		For Bituminous Coated Pipe, Add	*41.13*	
		For Bituminous Coated And 25% Paved, Add	*78.35*	
		For Smooth-Flo, Add	*127.70*	
33 41 13 00-0502	LF	120" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	391.24	92.08
		For Bituminous Coated Pipe, Add	*43.03*	
		For Bituminous Coated And 25% Paved, Add	*81.97*	
		For Smooth-Flo, Add	*133.61*	
33 41 13 00-0503		10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping *(33 41 13 00-0465)*		
33 41 13 00-0504	LF	72" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	264.95	49.10
		For Bituminous Coated Pipe, Add	*33.46*	
		For Bituminous Coated And 25% Paved, Add	*63.57*	
		For Smooth-Flo, Add	*84.99*	
33 41 13 00-0505	LF	78" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	286.47	53.71
		For Bituminous Coated Pipe, Add	*35.81*	
		For Bituminous Coated And 25% Paved, Add	*68.04*	
		For Smooth-Flo, Add	*90.96*	
33 41 13 00-0506	LF	84" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	305.95	57.55
		For Bituminous Coated Pipe, Add	*38.17*	
		For Bituminous Coated And 25% Paved, Add	*72.52*	
		For Smooth-Flo, Add	*96.95*	
33 41 13 00-0507	LF	90" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	325.38	61.38
		For Bituminous Coated Pipe, Add	*40.52*	
		For Bituminous Coated And 25% Paved, Add	*76.99*	
		For Smooth-Flo, Add	*102.93*	
33 41 13 00-0508	LF	96" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	345.39	65.22
		For Bituminous Coated Pipe, Add	*42.88*	
		For Bituminous Coated And 25% Paved, Add	*81.47*	
		For Smooth-Flo, Add	*108.91*	
33 41 13 00-0509	LF	102" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	367.53	69.06
		For Bituminous Coated Pipe, Add	*45.24*	
		For Bituminous Coated And 25% Paved, Add	*85.95*	
		For Smooth-Flo, Add	*114.90*	
33 41 13 00-0510	LF	108" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	391.40	76.73
		For Bituminous Coated Pipe, Add	*47.59*	
		For Bituminous Coated And 25% Paved, Add	*90.42*	
		For Smooth-Flo, Add	*120.87*	
33 41 13 00-0511	LF	114" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	414.87	84.40
		For Bituminous Coated Pipe, Add	*49.92*	
		For Bituminous Coated And 25% Paved, Add	*94.85*	
		For Smooth-Flo, Add	*126.80*	
33 41 13 00-0512	LF	120" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	437.52	92.08
		For Bituminous Coated Pipe, Add	*52.29*	
		For Bituminous Coated And 25% Paved, Add	*99.34*	
		For Smooth-Flo, Add	*132.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0513	LF	126" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	461.59	99.75
		For Bituminous Coated Pipe, Add	*54.63*	
		For Bituminous Coated And 25% Paved, Add	*103.79*	
		For Smooth-Flo, Add	*138.76*	
33 41 13 00-0514	LF	132" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	487.62	107.42
		For Bituminous Coated Pipe, Add	*56.99*	
		For Bituminous Coated And 25% Paved, Add	*108.28*	
		For Smooth-Flo, Add	*144.75*	
33 41 13 00-0515	LF	138" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	515.98	115.10
		For Bituminous Coated Pipe, Add	*59.35*	
		For Bituminous Coated And 25% Paved, Add	*112.77*	
		For Smooth-Flo, Add	*150.75*	

33 41 13 00-0516 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 41 13 00-0423)*

33 41 13 00-0517 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 41 13 00-0516)*

33 41 13 00-0518	LF	48" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	97.03	23.02
		For Bituminous Coated Pipe, Add	*13.24*	
		For Bituminous Coated And 25% Paved, Add	*30.19*	
		For Smooth-Flo, Add	*47.93*	
33 41 13 00-0519	LF	54" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	115.44	26.09
		For Bituminous Coated Pipe, Add	*16.22*	
		For Bituminous Coated And 25% Paved, Add	*36.99*	
		For Smooth-Flo, Add	*58.73*	
33 41 13 00-0520	LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	125.66	27.62
		For Bituminous Coated Pipe, Add	*17.65*	
		For Bituminous Coated And 25% Paved, Add	*40.23*	
		For Smooth-Flo, Add	*63.87*	
33 41 13 00-0521	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	154.96	33.77
		For Bituminous Coated Pipe, Add	*22.21*	
		For Bituminous Coated And 25% Paved, Add	*50.64*	
		For Smooth-Flo, Add	*80.41*	
33 41 13 00-0522	LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	192.30	49.10
		For Bituminous Coated Pipe, Add	*23.66*	
		For Bituminous Coated And 25% Paved, Add	*53.95*	
		For Smooth-Flo, Add	*85.66*	
33 41 13 00-0523	LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	207.85	53.71
		For Bituminous Coated Pipe, Add	*25.11*	
		For Bituminous Coated And 25% Paved, Add	*57.25*	
		For Smooth-Flo, Add	*90.89*	
33 41 13 00-0524	LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	221.28	57.55
		For Bituminous Coated Pipe, Add	*26.55*	
		For Bituminous Coated And 25% Paved, Add	*60.52*	
		For Smooth-Flo, Add	*96.09*	
33 41 13 00-0525	LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	234.68	61.38
		For Bituminous Coated Pipe, Add	*27.98*	
		For Bituminous Coated And 25% Paved, Add	*63.79*	
		For Smooth-Flo, Add	*101.28*	
33 41 13 00-0526	LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	248.73	65.22
		For Bituminous Coated Pipe, Add	*29.43*	
		For Bituminous Coated And 25% Paved, Add	*67.11*	
		For Smooth-Flo, Add	*106.55*	
33 41 13 00-0527	LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	265.03	69.06
		For Bituminous Coated Pipe, Add	*30.92*	
		For Bituminous Coated And 25% Paved, Add	*70.50*	
		For Smooth-Flo, Add	*111.94*	

33 41 13 00-0528 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 41 13 00-0516)*

33 41 13 00-0529	LF	54" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	128.12	26.09
		For Bituminous Coated Pipe, Add	*15.51*	
		For Bituminous Coated And 25% Paved, Add	*36.46*	
		For Smooth-Flo, Add	*66.01*	
33 41 13 00-0530	LF	60" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	139.75	27.62
		For Bituminous Coated Pipe, Add	*16.93*	
		For Bituminous Coated And 25% Paved, Add	*39.79*	
		For Smooth-Flo, Add	*72.05*	
33 41 13 00-0531	LF	66" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	170.34	33.77
		For Bituminous Coated Pipe, Add	*20.85*	
		For Bituminous Coated And 25% Paved, Add	*48.99*	
		For Smooth-Flo, Add	*88.70*	
33 41 13 00-0532	LF	72" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	208.91	49.10
		For Bituminous Coated Pipe, Add	*22.25*	
		For Bituminous Coated And 25% Paved, Add	*52.29*	
		For Smooth-Flo, Add	*94.68*	
33 41 13 00-0533	LF	78" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	225.96	53.71
		For Bituminous Coated Pipe, Add	*23.71*	
		For Bituminous Coated And 25% Paved, Add	*55.71*	
		For Smooth-Flo, Add	*100.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0534	LF	84" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	240.81	57.55
		For Bituminous Coated Pipe, Add	*25.14*	
		For Bituminous Coated And 25% Paved, Add	*59.08*	
		For Smooth-Flo, Add	*106.98*	
33 41 13 00-0535	LF	90" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	254.91	61.38
		For Bituminous Coated Pipe, Add	*26.43*	
		For Bituminous Coated And 25% Paved, Add	*62.11*	
		For Smooth-Flo, Add	*112.45*	
33 41 13 00-0536	LF	96" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	271.01	65.22
		For Bituminous Coated Pipe, Add	*28.00*	
		For Bituminous Coated And 25% Paved, Add	*65.80*	
		For Smooth-Flo, Add	*119.15*	
33 41 13 00-0537	LF	102" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	288.50	69.06
		For Bituminous Coated Pipe, Add	*29.43*	
		For Bituminous Coated And 25% Paved, Add	*69.17*	
		For Smooth-Flo, Add	*125.23*	
33 41 13 00-0538	LF	108" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	307.70	76.73
		For Bituminous Coated Pipe, Add	*30.85*	
		For Bituminous Coated And 25% Paved, Add	*72.49*	
		For Smooth-Flo, Add	*131.26*	
33 41 13 00-0539	LF	114" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	326.76	84.40
		For Bituminous Coated Pipe, Add	*32.30*	
		For Bituminous Coated And 25% Paved, Add	*75.91*	
		For Smooth-Flo, Add	*137.44*	

33 41 13 00-0540 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 41 13 00-0516)*

33 41 13 00-0541	LF	60" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	166.14	27.62
		For Bituminous Coated Pipe, Add	*22.21*	
		For Bituminous Coated And 25% Paved, Add	*42.20*	
		For Smooth-Flo, Add	*76.19*	
33 41 13 00-0542	LF	66" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	199.40	33.77
		For Bituminous Coated Pipe, Add	*26.66*	
		For Bituminous Coated And 25% Paved, Add	*50.65*	
		For Smooth-Flo, Add	*91.44*	
33 41 13 00-0543	LF	72" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	240.74	49.10
		For Bituminous Coated Pipe, Add	*28.62*	
		For Bituminous Coated And 25% Paved, Add	*54.37*	
		For Smooth-Flo, Add	*98.16*	
33 41 13 00-0544	LF	78" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	260.24	53.71
		For Bituminous Coated Pipe, Add	*30.56*	
		For Bituminous Coated And 25% Paved, Add	*58.07*	
		For Smooth-Flo, Add	*104.83*	
33 41 13 00-0545	LF	84" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	277.56	57.55
		For Bituminous Coated Pipe, Add	*32.49*	
		For Bituminous Coated And 25% Paved, Add	*61.73*	
		For Smooth-Flo, Add	*111.45*	
33 41 13 00-0546	LF	90" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	295.01	61.38
		For Bituminous Coated Pipe, Add	*34.45*	
		For Bituminous Coated And 25% Paved, Add	*65.45*	
		For Smooth-Flo, Add	*118.16*	
33 41 13 00-0547	LF	96" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	312.95	65.22
		For Bituminous Coated Pipe, Add	*36.39*	
		For Bituminous Coated And 25% Paved, Add	*69.14*	
		For Smooth-Flo, Add	*124.82*	
33 41 13 00-0548	LF	102" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	332.98	69.06
		For Bituminous Coated Pipe, Add	*38.33*	
		For Bituminous Coated And 25% Paved, Add	*72.82*	
		For Smooth-Flo, Add	*131.47*	
33 41 13 00-0549	LF	108" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	354.88	76.73
		For Bituminous Coated Pipe, Add	*40.28*	
		For Bituminous Coated And 25% Paved, Add	*76.54*	
		For Smooth-Flo, Add	*138.17*	
33 41 13 00-0550	LF	114" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	376.39	84.40
		For Bituminous Coated Pipe, Add	*42.23*	
		For Bituminous Coated And 25% Paved, Add	*80.23*	
		For Smooth-Flo, Add	*144.84*	
33 41 13 00-0551	LF	120" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	396.93	92.08
		For Bituminous Coated Pipe, Add	*44.17*	
		For Bituminous Coated And 25% Paved, Add	*83.92*	
		For Smooth-Flo, Add	*151.50*	

33 41 13 00-0552 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 41 13 00-0516)*

33 41 13 00-0553	LF	72" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	271.22	49.10
		For Bituminous Coated Pipe, Add	*34.71*	
		For Bituminous Coated And 25% Paved, Add	*65.96*	
		For Smooth-Flo, Add	*103.62*	
33 41 13 00-0554	LF	78" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	293.55	53.71
		For Bituminous Coated Pipe, Add	*37.23*	
		For Bituminous Coated And 25% Paved, Add	*70.73*	
		For Smooth-Flo, Add	*111.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0555	LF	84" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	313.53	57.55
		For Bituminous Coated Pipe, Add	*39.69*	
		For Bituminous Coated And 25% Paved, Add	*75.40*	
		For Smooth-Flo, Add	*118.46*	
33 41 13 00-0556	LF	90" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	333.38	61.38
		For Bituminous Coated Pipe, Add	*42.12*	
		For Bituminous Coated And 25% Paved, Add	*80.03*	
		For Smooth-Flo, Add	*125.73*	
33 41 13 00-0557	LF	96" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	353.93	65.22
		For Bituminous Coated Pipe, Add	*44.59*	
		For Bituminous Coated And 25% Paved, Add	*84.71*	
		For Smooth-Flo, Add	*133.09*	
33 41 13 00-0558	LF	102" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	376.47	69.06
		For Bituminous Coated Pipe, Add	*47.03*	
		For Bituminous Coated And 25% Paved, Add	*89.35*	
		For Smooth-Flo, Add	*140.37*	
33 41 13 00-0559	LF	108" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	400.89	76.73
		For Bituminous Coated Pipe, Add	*49.49*	
		For Bituminous Coated And 25% Paved, Add	*94.02*	
		For Smooth-Flo, Add	*147.72*	
33 41 13 00-0560	LF	114" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	424.96	84.40
		For Bituminous Coated Pipe, Add	*51.94*	
		For Bituminous Coated And 25% Paved, Add	*98.69*	
		For Smooth-Flo, Add	*155.04*	
33 41 13 00-0561	LF	120" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	447.99	92.08
		For Bituminous Coated Pipe, Add	*54.38*	
		For Bituminous Coated And 25% Paved, Add	*103.32*	
		For Smooth-Flo, Add	*162.32*	
33 41 13 00-0562	LF	126" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	476.47	99.75
		For Bituminous Coated Pipe, Add	*57.60*	
		For Bituminous Coated And 25% Paved, Add	*109.45*	
		For Smooth-Flo, Add	*171.95*	
33 41 13 00-0563	LF	132" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	503.98	107.42
		For Bituminous Coated Pipe, Add	*60.26*	
		For Bituminous Coated And 25% Paved, Add	*114.49*	
		For Smooth-Flo, Add	*179.88*	
33 41 13 00-0564	LF	138" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	534.33	115.10
		For Bituminous Coated Pipe, Add	*63.02*	
		For Bituminous Coated And 25% Paved, Add	*119.74*	
		For Smooth-Flo, Add	*188.12*	

33 41 13 00-0565 Helical Ribbed, Galvanized Corrugated Steel Piping *(33 41 13 00-0423)*

33 41 13 00-0566 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping *(33 41 13 00-0565)*

33 41 13 00-0567	LF	18" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	34.76	8.84
		For Bituminous Coated Pipe, Add	*4.08*	
33 41 13 00-0568	LF	21" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	39.48	9.57
		For Bituminous Coated Pipe, Add	*4.86*	
33 41 13 00-0569	LF	24" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	43.90	10.32
		For Bituminous Coated Pipe, Add	*5.52*	
33 41 13 00-0570	LF	30" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	57.73	13.26
		For Bituminous Coated Pipe, Add	*7.11*	
33 41 13 00-0571	LF	36" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	74.07	16.88
		For Bituminous Coated Pipe, Add	*8.91*	
33 41 13 00-0572	LF	42" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	84.17	19.95
		For Bituminous Coated Pipe, Add	*10.51*	
33 41 13 00-0573	LF	48" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	94.85	23.02
		For Bituminous Coated Pipe, Add	*11.83*	
33 41 13 00-0574	LF	54" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	112.74	26.09
		For Bituminous Coated Pipe, Add	*14.49*	
33 41 13 00-0575	LF	60" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	122.98	27.62
		For Bituminous Coated Pipe, Add	*15.82*	

33 41 13 00-0576 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping *(33 41 13 00-0565)*

33 41 13 00-0577	LF	18" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	37.68	8.84
		For Bituminous Coated Pipe, Add	*4.72*	
33 41 13 00-0578	LF	21" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	42.90	9.57
		For Bituminous Coated Pipe, Add	*5.61*	
33 41 13 00-0579	LF	24" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	47.79	10.32
		For Bituminous Coated Pipe, Add	*6.37*	
33 41 13 00-0580	LF	30" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	62.57	13.26
		For Bituminous Coated Pipe, Add	*8.17*	
33 41 13 00-0581	LF	36" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	79.89	16.88
		For Bituminous Coated Pipe, Add	*10.18*	
33 41 13 00-0582	LF	42" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	90.98	19.95
		For Bituminous Coated Pipe, Add	*11.99*	
33 41 13 00-0583	LF	48" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	102.62	23.02
		For Bituminous Coated Pipe, Add	*13.53*	
33 41 13 00-0584	LF	54" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	121.49	26.09
		For Bituminous Coated Pipe, Add	*16.39*	
33 41 13 00-0585	LF	60" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	132.72	27.62
		For Bituminous Coated Pipe, Add	*17.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0586	LF	66" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	162.56	33.77
		For Bituminous Coated Pipe, Add	*22.28*	
33 41 13 00-0587	LF	72" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	200.71	49.10
		For Bituminous Coated Pipe, Add	*23.81*	
33 41 13 00-0588	LF	78" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	217.20	53.71
		For Bituminous Coated Pipe, Add	*25.36*	
33 41 13 00-0589		**12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping** *(33 41 13 00-0565)*		
33 41 13 00-0590	LF	30" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	72.37	13.26
		For Bituminous Coated Pipe, Add	*8.54*	
33 41 13 00-0591	LF	36" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	91.60	16.88
		For Bituminous Coated Pipe, Add	*10.54*	
33 41 13 00-0592	LF	42" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	104.69	19.95
		For Bituminous Coated Pipe, Add	*12.40*	
33 41 13 00-0593	LF	48" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	118.27	23.02
		For Bituminous Coated Pipe, Add	*14.02*	
33 41 13 00-0594	LF	54" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	139.11	26.09
		For Bituminous Coated Pipe, Add	*16.74*	
33 41 13 00-0595	LF	60" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	152.32	27.62
		For Bituminous Coated Pipe, Add	*18.38*	
33 41 13 00-0596	LF	66" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	184.07	33.77
		For Bituminous Coated Pipe, Add	*22.29*	
33 41 13 00-0597	LF	72" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	224.15	49.10
		For Bituminous Coated Pipe, Add	*23.91*	
33 41 13 00-0598	LF	78" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	242.57	53.71
		For Bituminous Coated Pipe, Add	*25.54*	
33 41 13 00-0599	LF	84" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	258.86	57.55
		For Bituminous Coated Pipe, Add	*27.17*	
33 41 13 00-0600	LF	90" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	275.12	61.38
		For Bituminous Coated Pipe, Add	*28.79*	
33 41 13 00-0601	LF	96" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	291.94	65.22
		For Bituminous Coated Pipe, Add	*30.42*	
33 41 13 00-0602	LF	102" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	309.92	69.06
		For Bituminous Coated Pipe, Add	*31.86*	
33 41 13 00-0603		**1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping** *(33 41 13 00-0423)*		
33 41 13 00-0604		**1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping** *(33 41 13 00-0603)*		
33 41 13 00-0605	LF	6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	13.09	4.42
		For Bituminous Coated Pipe, Add	*1.04*	
33 41 13 00-0606	LF	6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	13.96	4.42
		For Bituminous Coated Pipe, Add	*1.25*	
33 41 13 00-0607	LF	8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	16.35	5.52
		For Bituminous Coated Pipe, Add	*1.38*	
33 41 13 00-0608	LF	8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	17.46	5.52
		For Bituminous Coated Pipe, Add	*1.65*	
33 41 13 00-0609	LF	10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	20.67	6.63
		For Bituminous Coated Pipe, Add	*1.73*	
33 41 13 00-0610	LF	10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	22.08	6.63
		For Bituminous Coated Pipe, Add	*2.08*	
33 41 13 00-0611		**Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping** *(33 41 13 00-0603)*		
33 41 13 00-0612	LF	6" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	13.22	4.42
		For Bituminous Coated Pipe, Add	*1.03*	
33 41 13 00-0613	LF	6" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	14.06	4.42
		For Bituminous Coated Pipe, Add	*1.23*	
33 41 13 00-0614	LF	8" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	16.47	5.52
		For Bituminous Coated Pipe, Add	*1.35*	
33 41 13 00-0615	LF	8" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	17.65	5.52
		For Bituminous Coated Pipe, Add	*1.63*	
33 41 13 00-0616	LF	10" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	20.88	6.63
		For Bituminous Coated Pipe, Add	*1.71*	
33 41 13 00-0617	LF	10" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	22.32	6.63
		For Bituminous Coated Pipe, Add	*2.05*	
33 41 13 00-0618		**1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe Fittings** *(33 41 13 00-0603)*		
33 41 13 00-0619	EA	6" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	6.44	
		For Bituminous Coated Pipe, Add	*1.45*	
33 41 13 00-0620	EA	8" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	8.52	
		For Bituminous Coated Pipe, Add	*1.92*	
33 41 13 00-0621	EA	10" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	10.45	
		For Bituminous Coated Pipe, Add	*2.35*	
33 41 13 00-0622	EA	6" 18 Gauge, Band Elbows For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	23.22	
		For Bituminous Coated Pipe, Add	*3.20*	
33 41 13 00-0623	EA	6" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	6.18	
		For Bituminous Coated Pipe, Add	*0.73*	
33 41 13 00-0624	EA	8" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	7.66	
		For Bituminous Coated Pipe, Add	*1.10*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0625		2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 41 13 00-0423)*		
33 41 13 00-0626		16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 41 13 00-0625)*		
33 41 13 00-0627	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	37.80	7.74
33 41 13 00-0628	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	44.02	8.10
33 41 13 00-0629	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	50.43	8.84
33 41 13 00-0630	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	58.28	9.57
33 41 13 00-0631	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	64.88	10.32
33 41 13 00-0632	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	85.11	13.26
33 41 13 00-0633	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	108.89	16.88
33 41 13 00-0634	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	125.51	19.95
33 41 13 00-0635	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	140.92	23.02
33 41 13 00-0636		14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 41 13 00-0625)*		
33 41 13 00-0637	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	42.50	7.74
33 41 13 00-0638	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	49.85	8.10
33 41 13 00-0639	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	57.41	8.84
33 41 13 00-0640	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	66.36	9.57
33 41 13 00-0641	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	74.26	10.32
33 41 13 00-0642	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	96.63	13.26
33 41 13 00-0643	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	122.80	16.88
33 41 13 00-0644	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	141.47	19.95
33 41 13 00-0645	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	159.13	23.02
33 41 13 00-0646	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	192.07	26.09
33 41 13 00-0647		12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 41 13 00-0625)*		
33 41 13 00-0648	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	71.95	8.84
33 41 13 00-0649	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	83.34	9.57
33 41 13 00-0650	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	93.57	10.32
33 41 13 00-0651	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	120.75	13.26
33 41 13 00-0652	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	145.83	16.88
33 41 13 00-0653	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	175.21	19.95
33 41 13 00-0654	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	197.64	23.02
33 41 13 00-0655	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	236.01	26.09
33 41 13 00-0656	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	257.86	27.62
33 41 13 00-0657	LF	66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	315.53	33.77
33 41 13 00-0658		10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 41 13 00-0625)*		
33 41 13 00-0659	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	178.18	16.88
33 41 13 00-0660	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	205.95	19.95
33 41 13 00-0661	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	232.56	23.02
33 41 13 00-0662	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	275.13	26.09
33 41 13 00-0663	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	301.40	27.62
33 41 13 00-0664	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	363.35	33.77
33 41 13 00-0665	LF	72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	416.33	49.10
33 41 13 00-0666		3" x 1" Corrugation, Polymeric Corrugated Steel Piping *(33 41 13 00-0423)*		
33 41 13 00-0667		16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping *(33 41 13 00-0666)*		
33 41 13 00-0668	LF	36" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	135.59	16.88
33 41 13 00-0669	LF	42" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	156.30	19.95
33 41 13 00-0670	LF	48" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	175.44	23.02
33 41 13 00-0671	LF	54" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	211.71	26.09
33 41 13 00-0672	LF	60" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	230.52	27.62
33 41 13 00-0673	LF	66" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	292.64	33.77
33 41 13 00-0674	LF	72" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	338.92	49.10
33 41 13 00-0675	LF	78" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	363.43	53.71
33 41 13 00-0676	LF	84" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	385.90	57.55
33 41 13 00-0677	LF	90" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	408.38	61.38
33 41 13 00-0678	LF	96" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	431.34	65.22
33 41 13 00-0679	LF	102" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	456.55	69.06
33 41 13 00-0680		14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping *(33 41 13 00-0666)*		
33 41 13 00-0681	LF	54" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	236.85	26.09
33 41 13 00-0682	LF	60" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	258.31	27.62
33 41 13 00-0683	LF	66" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	323.25	33.77
33 41 13 00-0684	LF	72" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	372.22	49.10
33 41 13 00-0685	LF	78" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	399.45	53.71
33 41 13 00-0686	LF	84" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	424.74	57.55
33 41 13 00-0687	LF	90" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	449.86	61.38
33 41 13 00-0688	LF	96" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	475.53	65.22
33 41 13 00-0689	LF	102" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	503.47	69.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0690	LF	108" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	533.13	76.73
33 41 13 00-0691	LF	114" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	562.15	84.40
33 41 13 00-0692		12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping *(33 41 13 00-0666)*		
33 41 13 00-0693	LF	60" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	321.55	27.62
33 41 13 00-0694	LF	66" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	393.60	33.77
33 41 13 00-0695	LF	72" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	448.67	49.10
33 41 13 00-0696	LF	78" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	482.03	53.71
33 41 13 00-0697	LF	84" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	513.41	57.55
33 41 13 00-0698	LF	90" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	544.67	61.38
33 41 13 00-0699	LF	96" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	576.52	65.22
33 41 13 00-0700	LF	102" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	610.56	69.06
33 41 13 00-0701	LF	108" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	646.27	76.73
33 41 13 00-0702	LF	114" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	681.50	84.40
33 41 13 00-0703	LF	120" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	716.04	92.08
33 41 13 00-0704		10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping *(33 41 13 00-0666)*		
33 41 13 00-0705	LF	72" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	518.33	49.10
33 41 13 00-0706	LF	78" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	557.36	53.71
33 41 13 00-0707	LF	84" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	594.47	57.55
33 41 13 00-0708	LF	90" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	631.43	61.38
33 41 13 00-0709	LF	96" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	669.01	65.22
33 41 13 00-0710	LF	102" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	708.76	69.06
33 41 13 00-0711	LF	108" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	750.19	76.73
33 41 13 00-0712	LF	114" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	791.11	84.40
33 41 13 00-0713	LF	120" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	831.37	92.08
33 41 13 00-0714	LF	126" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	872.94	99.75
33 41 13 00-0715	LF	132" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	916.58	107.42
33 41 13 00-0716	LF	138" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	962.57	115.10
33 41 13 00-0717		125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping *(33 41 13 00-0423)*		
33 41 13 00-0718		16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping *(33 41 13 00-0717)*		
33 41 13 00-0719	LF	48" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	170.02	23.02
33 41 13 00-0720	LF	54" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	205.74	26.09
33 41 13 00-0721	LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	223.68	27.62
33 41 13 00-0722	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	279.93	33.77
33 41 13 00-0723	LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	325.18	49.10
33 41 13 00-0724	LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	348.60	53.71
33 41 13 00-0725	LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	369.85	57.55
33 41 13 00-0726	LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	391.03	61.38
33 41 13 00-0727	LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	412.98	65.22
33 41 13 00-0728	LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	437.43	69.06
33 41 13 00-0729		14 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping *(33 41 13 00-0717)*		
33 41 13 00-0730	LF	54" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	235.61	26.09
33 41 13 00-0731	LF	60" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	256.95	27.62
33 41 13 00-0732	LF	66" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	316.21	33.77
33 41 13 00-0733	LF	72" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	364.38	49.10
33 41 13 00-0734	LF	78" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	391.35	53.71
33 41 13 00-0735	LF	84" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	415.92	57.55
33 41 13 00-0736	LF	90" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	438.77	61.38
33 41 13 00-0737	LF	96" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	465.56	65.22
33 41 13 00-0738	LF	102" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	492.79	69.06
33 41 13 00-0739	LF	108" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	521.60	76.73
33 41 13 00-0740	LF	114" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	550.54	84.40
33 41 13 00-0741		12 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping *(33 41 13 00-0717)*		
33 41 13 00-0742	LF	60" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	323.62	27.62
33 41 13 00-0743	LF	66" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	389.98	33.77
33 41 13 00-0744	LF	72" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	445.12	49.10
33 41 13 00-0745	LF	78" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	478.21	53.71
33 41 13 00-0746	LF	84" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	509.04	57.55
33 41 13 00-0747	LF	90" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	540.21	61.38
33 41 13 00-0748	LF	96" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	571.77	65.22
33 41 13 00-0749	LF	102" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	605.34	69.06
33 41 13 00-0750	LF	108" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	640.96	76.73
33 41 13 00-0751	LF	114" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	676.08	84.40
33 41 13 00-0752	LF	120" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	710.21	92.08

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0753		10 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping *(33 41 13 00-0717)*		
33 41 13 00-0754	LF	72" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	518.30	49.10
33 41 13 00-0755	LF	78" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	558.20	53.71
33 41 13 00-0756	LF	84" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	595.43	57.55
33 41 13 00-0757	LF	90" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	632.37	61.38
33 41 13 00-0758	LF	96" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	670.12	65.22
33 41 13 00-0759	LF	102" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	709.81	69.06
33 41 13 00-0760	LF	108" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	751.42	76.73
33 41 13 00-0761	LF	114" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	792.68	84.40
33 41 13 00-0762	LF	120" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	832.85	92.08
33 41 13 00-0763	LF	126" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	883.89	99.75
33 41 13 00-0764	LF	132" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	930.04	107.42
33 41 13 00-0765	LF	138" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	979.71	115.10
33 41 13 00-0766		Galvanized Corrugated Steel Pipe-Arch *(33 41 13 00-0422)*		
33 41 13 00-0767		2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 41 13 00-0766)*		
33 41 13 00-0768		16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 41 13 00-0767)*		
33 41 13 00-0769	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	28.56	8.10
		For Bituminous Coated Pipe, Add	*2.97*	
		For Bituminous Coated And 25% Paved, Add	*7.17*	
		For Smooth-Flo, Add	*11.83*	
33 41 13 00-0770	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	31.48	8.84
		For Bituminous Coated Pipe, Add	*3.54*	
		For Bituminous Coated And 25% Paved, Add	*8.57*	
		For Smooth-Flo, Add	*14.13*	
33 41 13 00-0771	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	35.75	9.57
		For Bituminous Coated Pipe, Add	*4.27*	
		For Bituminous Coated And 25% Paved, Add	*10.31*	
		For Smooth-Flo, Add	*17.01*	
33 41 13 00-0772	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	39.94	10.32
		For Bituminous Coated Pipe, Add	*4.91*	
		For Bituminous Coated And 25% Paved, Add	*11.88*	
		For Smooth-Flo, Add	*19.59*	
33 41 13 00-0773	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	52.27	13.26
		For Bituminous Coated Pipe, Add	*6.24*	
		For Bituminous Coated And 25% Paved, Add	*15.09*	
		For Smooth-Flo, Add	*24.88*	
33 41 13 00-0774	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	68.13	16.88
		For Bituminous Coated Pipe, Add	*8.05*	
		For Bituminous Coated And 25% Paved, Add	*19.46*	
		For Smooth-Flo, Add	*32.09*	
33 41 13 00-0775		14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 41 13 00-0767)*		
33 41 13 00-0776	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	30.97	8.10
		For Bituminous Coated Pipe, Add	*3.08*	
		For Bituminous Coated And 25% Paved, Add	*7.20*	
		For Smooth-Flo, Add	*11.81*	
33 41 13 00-0777	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	34.42	8.84
		For Bituminous Coated Pipe, Add	*3.69*	
		For Bituminous Coated And 25% Paved, Add	*8.64*	
		For Smooth-Flo, Add	*14.17*	
33 41 13 00-0778	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	39.03	9.57
		For Bituminous Coated Pipe, Add	*4.39*	
		For Bituminous Coated And 25% Paved, Add	*10.27*	
		For Smooth-Flo, Add	*16.84*	
33 41 13 00-0779	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	43.74	10.32
		For Bituminous Coated Pipe, Add	*5.06*	
		For Bituminous Coated And 25% Paved, Add	*11.84*	
		For Smooth-Flo, Add	*19.41*	
33 41 13 00-0780	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	57.01	13.26
		For Bituminous Coated Pipe, Add	*6.41*	
		For Bituminous Coated And 25% Paved, Add	*14.99*	
		For Smooth-Flo, Add	*24.59*	
33 41 13 00-0781	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	73.77	16.88
		For Bituminous Coated Pipe, Add	*8.16*	
		For Bituminous Coated And 25% Paved, Add	*19.09*	
		For Smooth-Flo, Add	*31.32*	
33 41 13 00-0782	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	84.28	19.95
		For Bituminous Coated Pipe, Add	*9.72*	
		For Bituminous Coated And 25% Paved, Add	*22.75*	
		For Smooth-Flo, Add	*37.31*	
33 41 13 00-0783		12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 41 13 00-0767)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0784	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	44.04	9.21
		For Bituminous Coated Pipe, Add	*3.99*	
		For Bituminous Coated And 25% Paved, Add	*8.89*	
		For Smooth-Flo, Add	*13.66*	
33 41 13 00-0785	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	49.99	9.97
		For Bituminous Coated Pipe, Add	*4.74*	
		For Bituminous Coated And 25% Paved, Add	*10.54*	
		For Smooth-Flo, Add	*16.21*	
33 41 13 00-0786	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	55.96	10.75
		For Bituminous Coated Pipe, Add	*5.43*	
		For Bituminous Coated And 25% Paved, Add	*12.09*	
		For Smooth-Flo, Add	*18.59*	
33 41 13 00-0787	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	72.59	13.81
		For Bituminous Coated Pipe, Add	*6.84*	
		For Bituminous Coated And 25% Paved, Add	*15.22*	
		For Smooth-Flo, Add	*23.41*	
33 41 13 00-0788	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	85.28	16.88
		For Bituminous Coated Pipe, Add	*8.56*	
		For Bituminous Coated And 25% Paved, Add	*19.05*	
		For Smooth-Flo, Add	*29.29*	
33 41 13 00-0789	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	97.57	19.95
		For Bituminous Coated Pipe, Add	*10.12*	
		For Bituminous Coated And 25% Paved, Add	*22.53*	
		For Smooth-Flo, Add	*34.64*	
33 41 13 00-0790	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	113.46	23.02
		For Bituminous Coated Pipe, Add	*12.00*	
		For Bituminous Coated And 25% Paved, Add	*26.72*	
		For Smooth-Flo, Add	*41.08*	
33 41 13 00-0791	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	127.17	26.09
		For Bituminous Coated Pipe, Add	*13.26*	
		For Bituminous Coated And 25% Paved, Add	*29.50*	
		For Smooth-Flo, Add	*45.36*	
33 41 13 00-0792		10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 41 13 00-0767)*		
33 41 13 00-0793	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	96.12	16.88
		For Bituminous Coated Pipe, Add	*10.31*	
		For Bituminous Coated And 25% Paved, Add	*21.71*	
		For Smooth-Flo, Add	*27.38*	
33 41 13 00-0794	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	110.20	19.95
		For Bituminous Coated Pipe, Add	*12.16*	
		For Bituminous Coated And 25% Paved, Add	*25.61*	
		For Smooth-Flo, Add	*32.30*	
33 41 13 00-0795	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	127.77	23.02
		For Bituminous Coated Pipe, Add	*14.31*	
		For Bituminous Coated And 25% Paved, Add	*30.13*	
		For Smooth-Flo, Add	*38.00*	
33 41 13 00-0796	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	143.36	26.09
		For Bituminous Coated Pipe, Add	*15.87*	
		For Bituminous Coated And 25% Paved, Add	*33.41*	
		For Smooth-Flo, Add	*42.14*	
33 41 13 00-0797	LF	71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	156.97	27.62
		For Bituminous Coated Pipe, Add	*17.42*	
		For Bituminous Coated And 25% Paved, Add	*36.68*	
		For Smooth-Flo, Add	*46.26*	
33 41 13 00-0798		3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 41 13 00-0766)*		
33 41 13 00-0799		14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 41 13 00-0798)*		
33 41 13 00-0800	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	127.02	26.09
		For Bituminous Coated Pipe, Add	*15.29*	
		For Bituminous Coated And 25% Paved, Add	*46.49*	
		For Smooth-Flo, Add	*52.00*	
33 41 13 00-0801	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	138.76	27.62
		For Bituminous Coated Pipe, Add	*16.74*	
		For Bituminous Coated And 25% Paved, Add	*50.88*	
		For Smooth-Flo, Add	*56.90*	
33 41 13 00-0802	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	171.21	33.77
		For Bituminous Coated Pipe, Add	*21.02*	
		For Bituminous Coated And 25% Paved, Add	*63.90*	
		For Smooth-Flo, Add	*71.47*	
33 41 13 00-0803	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	210.33	49.10
		For Bituminous Coated Pipe, Add	*22.54*	
		For Bituminous Coated And 25% Paved, Add	*68.51*	
		For Smooth-Flo, Add	*76.62*	
33 41 13 00-0804	LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	228.05	53.71
		For Bituminous Coated Pipe, Add	*24.13*	
		For Bituminous Coated And 25% Paved, Add	*73.34*	
		For Smooth-Flo, Add	*82.03*	
33 41 13 00-0805	LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	243.74	57.55
		For Bituminous Coated Pipe, Add	*25.73*	
		For Bituminous Coated And 25% Paved, Add	*78.21*	
		For Smooth-Flo, Add	*87.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0806	LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	259.36	61.38
		For Bituminous Coated Pipe, Add	*27.32*	
		For Bituminous Coated And 25% Paved, Add	*83.05*	
		For Smooth-Flo, Add	*92.88*	
33 41 13 00-0807	LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	275.53	65.22
		For Bituminous Coated Pipe, Add	*28.91*	
		For Bituminous Coated And 25% Paved, Add	*87.87*	
		For Smooth-Flo, Add	*98.28*	
33 41 13 00-0808		12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 41 13 00-0798)*		
33 41 13 00-0809	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	163.67	27.62
		For Bituminous Coated Pipe, Add	*21.72*	
		For Bituminous Coated And 25% Paved, Add	*56.90*	
		For Smooth-Flo, Add	*67.33*	
33 41 13 00-0810	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	198.84	33.77
		For Bituminous Coated Pipe, Add	*26.55*	
		For Bituminous Coated And 25% Paved, Add	*69.55*	
		For Smooth-Flo, Add	*82.29*	
33 41 13 00-0811	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	240.40	49.10
		For Bituminous Coated Pipe, Add	*28.55*	
		For Bituminous Coated And 25% Paved, Add	*74.80*	
		For Smooth-Flo, Add	*88.51*	
33 41 13 00-0812	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	260.56	53.71
		For Bituminous Coated Pipe, Add	*30.63*	
		For Bituminous Coated And 25% Paved, Add	*80.25*	
		For Smooth-Flo, Add	*94.95*	
33 41 13 00-0813	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	278.67	57.55
		For Bituminous Coated Pipe, Add	*32.71*	
		For Bituminous Coated And 25% Paved, Add	*85.71*	
		For Smooth-Flo, Add	*101.41*	
33 41 13 00-0814	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	296.74	61.38
		For Bituminous Coated Pipe, Add	*34.79*	
		For Bituminous Coated And 25% Paved, Add	*91.16*	
		For Smooth-Flo, Add	*107.86*	
33 41 13 00-0815	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	315.33	65.22
		For Bituminous Coated Pipe, Add	*36.87*	
		For Bituminous Coated And 25% Paved, Add	*96.59*	
		For Smooth-Flo, Add	*114.28*	
33 41 13 00-0816	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	336.15	69.06
		For Bituminous Coated Pipe, Add	*38.96*	
		For Bituminous Coated And 25% Paved, Add	*102.08*	
		For Smooth-Flo, Add	*120.78*	
33 41 13 00-0817	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	358.68	76.73
		For Bituminous Coated Pipe, Add	*41.04*	
		For Bituminous Coated And 25% Paved, Add	*107.54*	
		For Smooth-Flo, Add	*127.24*	
33 41 13 00-0818	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	381.92	84.40
		For Bituminous Coated Pipe, Add	*43.33*	
		For Bituminous Coated And 25% Paved, Add	*113.53*	
		For Smooth-Flo, Add	*134.33*	
33 41 13 00-0819		10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 41 13 00-0798)*		
33 41 13 00-0820	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	268.34	49.10
		For Bituminous Coated Pipe, Add	*34.14*	
		For Bituminous Coated And 25% Paved, Add	*81.25*	
		For Smooth-Flo, Add	*88.25*	
33 41 13 00-0821	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	290.81	53.71
		For Bituminous Coated Pipe, Add	*36.68*	
		For Bituminous Coated And 25% Paved, Add	*87.29*	
		For Smooth-Flo, Add	*94.81*	
33 41 13 00-0822	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	311.21	57.55
		For Bituminous Coated Pipe, Add	*39.22*	
		For Bituminous Coated And 25% Paved, Add	*93.35*	
		For Smooth-Flo, Add	*101.39*	
33 41 13 00-0823	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	331.54	61.38
		For Bituminous Coated Pipe, Add	*41.75*	
		For Bituminous Coated And 25% Paved, Add	*99.37*	
		For Smooth-Flo, Add	*107.93*	
33 41 13 00-0824	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	352.44	65.22
		For Bituminous Coated Pipe, Add	*44.29*	
		For Bituminous Coated And 25% Paved, Add	*105.41*	
		For Smooth-Flo, Add	*114.48*	
33 41 13 00-0825	LF	117" x 79" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	375.53	69.06
		For Bituminous Coated Pipe, Add	*46.84*	
		For Bituminous Coated And 25% Paved, Add	*111.47*	
		For Smooth-Flo, Add	*121.08*	
33 41 13 00-0826	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	400.35	76.73
		For Bituminous Coated Pipe, Add	*49.38*	
		For Bituminous Coated And 25% Paved, Add	*117.52*	
		For Smooth-Flo, Add	*127.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0827	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	425.70	84.40
		For Bituminous Coated Pipe, Add	*52.09*	
		For Bituminous Coated And 25% Paved, Add	*123.97*	
		For Smooth-Flo, Add	*134.65*	
33 41 13 00-0828	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	452.80	92.08
		For Bituminous Coated Pipe, Add	*55.34*	
		For Bituminous Coated And 25% Paved, Add	*131.71*	
		For Smooth-Flo, Add	*143.06*	
33 41 13 00-0829		125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 41 13 00-0766)*		
33 41 13 00-0830		12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 41 13 00-0829)*		
33 41 13 00-0831	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	243.14	49.10
		For Bituminous Coated Pipe, Add	*29.10*	
		For Bituminous Coated And 25% Paved, Add	*71.00*	
		For Smooth-Flo, Add	*90.35*	
33 41 13 00-0832	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	263.03	53.71
		For Bituminous Coated Pipe, Add	*31.12*	
		For Bituminous Coated And 25% Paved, Add	*75.94*	
		For Smooth-Flo, Add	*96.63*	
33 41 13 00-0833	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	280.71	57.55
		For Bituminous Coated Pipe, Add	*33.12*	
		For Bituminous Coated And 25% Paved, Add	*80.82*	
		For Smooth-Flo, Add	*102.84*	
33 41 13 00-0834	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	298.38	61.38
		For Bituminous Coated Pipe, Add	*35.12*	
		For Bituminous Coated And 25% Paved, Add	*85.70*	
		For Smooth-Flo, Add	*109.05*	
33 41 13 00-0835	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	316.68	65.22
		For Bituminous Coated Pipe, Add	*37.14*	
		For Bituminous Coated And 25% Paved, Add	*90.61*	
		For Smooth-Flo, Add	*115.31*	
33 41 13 00-0836	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	337.27	69.06
		For Bituminous Coated Pipe, Add	*39.19*	
		For Bituminous Coated And 25% Paved, Add	*95.61*	
		For Smooth-Flo, Add	*121.67*	
33 41 13 00-0837	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	359.57	76.73
		For Bituminous Coated Pipe, Add	*41.22*	
		For Bituminous Coated And 25% Paved, Add	*100.58*	
		For Smooth-Flo, Add	*127.99*	
33 41 13 00-0838	LF	137" x 87"" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	384.14	84.40
		For Bituminous Coated Pipe, Add	*43.78*	
		For Bituminous Coated And 25% Paved, Add	*106.81*	
		For Smooth-Flo, Add	*135.92*	
33 41 13 00-0839		10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 41 13 00-0829)*		
33 41 13 00-0840	LF	81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	274.07	49.10
		For Bituminous Coated Pipe, Add	*35.28*	
		For Bituminous Coated And 25% Paved, Add	*79.74*	
		For Smooth-Flo, Add	*86.62*	
33 41 13 00-0841	LF	87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	296.43	53.71
		For Bituminous Coated Pipe, Add	*37.80*	
		For Bituminous Coated And 25% Paved, Add	*85.43*	
		For Smooth-Flo, Add	*92.80*	
33 41 13 00-0842	LF	95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	316.63	57.55
		For Bituminous Coated Pipe, Add	*40.31*	
		For Bituminous Coated And 25% Paved, Add	*91.09*	
		For Smooth-Flo, Add	*98.95*	
33 41 13 00-0843	LF	103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	336.89	61.38
		For Bituminous Coated Pipe, Add	*42.82*	
		For Bituminous Coated And 25% Paved, Add	*96.78*	
		For Smooth-Flo, Add	*105.13*	
33 41 13 00-0844	LF	112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	357.28	65.22
		For Bituminous Coated Pipe, Add	*45.26*	
		For Bituminous Coated And 25% Paved, Add	*102.28*	
		For Smooth-Flo, Add	*111.10*	
33 41 13 00-0845	LF	117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	380.72	69.06
		For Bituminous Coated Pipe, Add	*47.88*	
		For Bituminous Coated And 25% Paved, Add	*108.20*	
		For Smooth-Flo, Add	*117.54*	
33 41 13 00-0846	LF	128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	405.58	76.73
		For Bituminous Coated Pipe, Add	*50.42*	
		For Bituminous Coated And 25% Paved, Add	*113.96*	
		For Smooth-Flo, Add	*123.79*	
33 41 13 00-0847	LF	137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	432.69	84.40
		For Bituminous Coated Pipe, Add	*53.49*	
		For Bituminous Coated And 25% Paved, Add	*120.88*	
		For Smooth-Flo, Add	*131.31*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0848	LF	142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	457.97	92.08
		For Bituminous Coated Pipe, Add	*56.38*	
		For Bituminous Coated And 25% Paved, Add	*127.41*	
		For Smooth-Flo, Add	*138.40*	
33 41 13 00-0849		2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 41 13 00-0766)*		
33 41 13 00-0850		16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 41 13 00-0849)*		
33 41 13 00-0851	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	44.06	8.10
33 41 13 00-0852	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	50.00	8.84
33 41 13 00-0853	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	58.10	9.57
33 41 13 00-0854	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	65.74	10.32
33 41 13 00-0855	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	85.13	13.26
33 41 13 00-0856	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	110.81	16.88
33 41 13 00-0857		14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 41 13 00-0849)*		
33 41 13 00-0858	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	49.59	8.10
33 41 13 00-0859	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	56.76	8.84
33 41 13 00-0860	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	65.64	9.57
33 41 13 00-0861	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	74.51	10.32
33 41 13 00-0862	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	96.03	13.26
33 41 13 00-0863	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	123.78	16.88
33 41 13 00-0864	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	143.98	19.95
33 41 13 00-0865		12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 41 13 00-0849)*		
33 41 13 00-0866	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	73.33	8.84
33 41 13 00-0867	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	85.27	9.57
33 41 13 00-0868	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	96.73	10.32
33 41 13 00-0869	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	123.76	13.26
33 41 13 00-0870	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	157.28	16.88
33 41 13 00-0871	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	182.99	19.95
33 41 13 00-0872	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	215.45	23.02
33 41 13 00-0873	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	239.50	26.09
33 41 13 00-0874		10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 41 13 00-0849)*		
33 41 13 00-0875	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	183.55	16.88
33 41 13 00-0876	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	213.65	19.95
33 41 13 00-0877	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	250.21	23.02
33 41 13 00-0878	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	278.80	26.09
33 41 13 00-0879	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	305.36	27.62
33 41 13 00-0880		3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 41 13 00-0766)*		
33 41 13 00-0881		14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 41 13 00-0880)*		
33 41 13 00-0882	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	241.79	26.09
33 41 13 00-0883	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	264.12	27.62
33 41 13 00-0884	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	329.99	33.77
33 41 13 00-0885	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	380.31	49.10
33 41 13 00-0886	LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	409.84	53.71
33 41 13 00-0887	LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	437.35	57.55
33 41 13 00-0888	LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	464.75	61.38
33 41 13 00-0889	LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	492.75	65.22
33 41 13 00-0890		12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 41 13 00-0880)*		
33 41 13 00-0891	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	327.48	27.62
33 41 13 00-0892	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	400.52	33.77
33 41 13 00-0893	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	457.07	49.10
33 41 13 00-0894	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	492.72	53.71
33 41 13 00-0895	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	526.38	57.55
33 41 13 00-0896	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	560.00	61.38
33 41 13 00-0897	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	594.09	65.22
33 41 13 00-0898	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	630.50	69.06
33 41 13 00-0899	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	668.57	76.73
33 41 13 00-0900	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	708.90	84.40
33 41 13 00-0901		10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 41 13 00-0880)*		
33 41 13 00-0902	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	526.71	49.10
33 41 13 00-0903	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	568.11	53.71
33 41 13 00-0904	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	607.53	57.55
33 41 13 00-0905	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	646.74	61.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0906	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	686.57	65.22
33 41 13 00-0907	LF	117" x 79" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	728.68	69.06
33 41 13 00-0908	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	772.48	76.73
33 41 13 00-0909	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	818.04	84.40
33 41 13 00-0910	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	869.42	92.08
33 41 13 00-0911		125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 41 13 00-0766)*		
33 41 13 00-0912		12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 41 13 00-0911)*		
33 41 13 00-0913	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	450.81	49.10
33 41 13 00-0914	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	484.89	53.71
33 41 13 00-0915	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	516.60	57.55
33 41 13 00-0916	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	548.26	61.38
33 41 13 00-0917	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	580.67	65.22
33 41 13 00-0918	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	615.63	69.06
33 41 13 00-0919	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	652.18	76.73
33 41 13 00-0920	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	694.63	84.40
33 41 13 00-0921		10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 41 13 00-0911)*		
33 41 13 00-0922	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	525.09	49.10
33 41 13 00-0923	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	565.06	53.71
33 41 13 00-0924	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	602.80	57.55
33 41 13 00-0925	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	640.69	61.38
33 41 13 00-0926	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	678.16	65.22
33 41 13 00-0927	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	719.93	69.06
33 41 13 00-0928	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	762.67	76.73
33 41 13 00-0929	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	811.29	84.40
33 41 13 00-0930	LF	142" x 91" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	856.71	92.08
33 41 13 00-0931		Aluminized Type 2 Corrugated Steel Piping *(33 41 13 00-0422)*		
33 41 13 00-0932		2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 41 13 00-0931)*		
33 41 13 00-0933		16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 41 13 00-0932)*		
33 41 13 00-0934	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	26.99	7.74
		For 1/2 Bituminous Coated And 25% Paved, Add	*4.41*	
33 41 13 00-0935	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	30.41	8.10
		For 1/2 Bituminous Coated And 25% Paved, Add	*5.56*	
33 41 13 00-0936	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	33.93	8.84
		For 1/2 Bituminous Coated And 25% Paved, Add	*6.74*	
33 41 13 00-0937	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	38.56	9.57
		For 1/2 Bituminous Coated And 25% Paved, Add	*8.06*	
33 41 13 00-0938	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	42.66	10.32
		For 1/2 Bituminous Coated And 25% Paved, Add	*9.07*	
33 41 13 00-0939	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	56.34	13.26
		For 1/2 Bituminous Coated And 25% Paved, Add	*11.77*	
33 41 13 00-0940	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	72.56	16.88
		For 1/2 Bituminous Coated And 25% Paved, Add	*14.85*	
33 41 13 00-0941	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	82.53	19.95
		For 1/2 Bituminous Coated And 25% Paved, Add	*17.56*	
33 41 13 00-0942	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	92.78	23.02
		For 1/2 Bituminous Coated And 25% Paved, Add	*19.68*	
33 41 13 00-0943		14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 41 13 00-0932)*		
33 41 13 00-0944	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	29.38	7.74
		For 1/2 Bituminous Coated And 25% Paved, Add	*4.19*	
33 41 13 00-0945	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	33.35	8.10
		For 1/2 Bituminous Coated And 25% Paved, Add	*5.26*	
33 41 13 00-0946	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	37.43	8.84
		For 1/2 Bituminous Coated And 25% Paved, Add	*6.36*	
33 41 13 00-0947	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	42.63	9.57
		For 1/2 Bituminous Coated And 25% Paved, Add	*7.56*	
33 41 13 00-0948	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	47.38	10.32
		For 1/2 Bituminous Coated And 25% Paved, Add	*8.56*	
33 41 13 00-0949	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	62.12	13.26
		For 1/2 Bituminous Coated And 25% Paved, Add	*11.00*	
33 41 13 00-0950	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	79.55	16.88
		For 1/2 Bituminous Coated And 25% Paved, Add	*13.78*	
33 41 13 00-0951	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	90.58	19.95
		For 1/2 Bituminous Coated And 25% Paved, Add	*16.23*	
33 41 13 00-0952	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	101.95	23.02
		For 1/2 Bituminous Coated And 25% Paved, Add	*18.23*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0953	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	121.71	26.09
		For 1/2 Bituminous Coated And 25% Paved, Add	*22.42*	
33 41 13 00-0954		12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 41 13 00-0932)*		
33 41 13 00-0955	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	44.81	8.84
		For 1/2 Bituminous Coated And 25% Paved, Add	*5.93*	
33 41 13 00-0956	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	51.23	9.57
		For 1/2 Bituminous Coated And 25% Paved, Add	*7.01*	
33 41 13 00-0957	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	57.16	10.32
		For 1/2 Bituminous Coated And 25% Paved, Add	*7.94*	
33 41 13 00-0958	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	74.32	13.26
		For 1/2 Bituminous Coated And 25% Paved, Add	*10.13*	
33 41 13 00-0959	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	94.27	16.88
		For 1/2 Bituminous Coated And 25% Paved, Add	*12.57*	
33 41 13 00-0960	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	107.64	19.95
		For 1/2 Bituminous Coated And 25% Paved, Add	*14.74*	
33 41 13 00-0961	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	121.41	23.02
		For 1/2 Bituminous Coated And 25% Paved, Add	*16.63*	
33 41 13 00-0962	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	143.94	26.09
		For 1/2 Bituminous Coated And 25% Paved, Add	*20.08*	
33 41 13 00-0963	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	157.19	27.62
		For 1/2 Bituminous Coated And 25% Paved, Add	*21.95*	
33 41 13 00-0964	LF	66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	191.69	33.77
		For 1/2 Bituminous Coated And 25% Paved, Add	*27.00*	
33 41 13 00-0965		10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 41 13 00-0932)*		
33 41 13 00-0966	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	107.51	16.88
		For 1/2 Bituminous Coated And 25% Paved, Add	*13.77*	
33 41 13 00-0967	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	123.12	19.95
		For 1/2 Bituminous Coated And 25% Paved, Add	*16.14*	
33 41 13 00-0968	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	138.99	23.02
		For 1/2 Bituminous Coated And 25% Paved, Add	*18.22*	
33 41 13 00-0969	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	163.65	26.09
		For 1/2 Bituminous Coated And 25% Paved, Add	*21.72*	
33 41 13 00-0970	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	179.13	27.62
		For 1/2 Bituminous Coated And 25% Paved, Add	*23.82*	
33 41 13 00-0971	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	215.78	33.77
		For 1/2 Bituminous Coated And 25% Paved, Add	*28.74*	
33 41 13 00-0972	LF	72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	258.11	49.10
		For 1/2 Bituminous Coated And 25% Paved, Add	*30.81*	
33 41 13 00-0973		3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 41 13 00-0931)*		
33 41 13 00-0974		16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 41 13 00-0973)*		
33 41 13 00-0975	LF	36" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	82.97	16.88
		For 1/2 Bituminous Coated And 25% Paved, Add	*16.51*	
33 41 13 00-0976	LF	42" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	94.44	19.95
		For 1/2 Bituminous Coated And 25% Paved, Add	*19.38*	
33 41 13 00-0977	LF	48" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	106.17	23.02
		For 1/2 Bituminous Coated And 25% Paved, Add	*21.74*	
33 41 13 00-0978	LF	54" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	126.41	26.09
		For 1/2 Bituminous Coated And 25% Paved, Add	*26.55*	
33 41 13 00-0979	LF	60" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	137.73	27.62
		For 1/2 Bituminous Coated And 25% Paved, Add	*28.93*	
33 41 13 00-0980	LF	66" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	172.27	33.77
		For 1/2 Bituminous Coated And 25% Paved, Add	*37.16*	
33 41 13 00-0981	LF	72" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	210.80	49.10
		For 1/2 Bituminous Coated And 25% Paved, Add	*39.60*	
33 41 13 00-0982	LF	78" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	227.58	53.71
		For 1/2 Bituminous Coated And 25% Paved, Add	*42.06*	
33 41 13 00-0983	LF	84" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	242.30	57.55
		For 1/2 Bituminous Coated And 25% Paved, Add	*44.52*	
33 41 13 00-0984	LF	90" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	257.00	61.38
		For 1/2 Bituminous Coated And 25% Paved, Add	*46.98*	
33 41 13 00-0985	LF	96" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	272.25	65.22
		For 1/2 Bituminous Coated And 25% Paved, Add	*49.44*	
33 41 13 00-0986	LF	102" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	289.67	69.06
		For 1/2 Bituminous Coated And 25% Paved, Add	*51.92*	
33 41 13 00-0987		14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 41 13 00-0973)*		
33 41 13 00-0988	LF	54" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	138.37	26.09
		For 1/2 Bituminous Coated And 25% Paved, Add	*23.01*	
33 41 13 00-0989	LF	60" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	150.94	27.62
		For 1/2 Bituminous Coated And 25% Paved, Add	*25.12*	
33 41 13 00-0990	LF	66" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	186.81	33.77
		For 1/2 Bituminous Coated And 25% Paved, Add	*31.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0991	LF	72" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	226.65	49.10
		For 1/2 Bituminous Coated And 25% Paved, Add	*33.80*	
33 41 13 00-0992	LF	78" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	244.71	53.71
		For 1/2 Bituminous Coated And 25% Paved, Add	*35.97*	
33 41 13 00-0993	LF	84" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	260.77	57.55
		For 1/2 Bituminous Coated And 25% Paved, Add	*38.17*	
33 41 13 00-0994	LF	90" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	276.74	61.38
		For 1/2 Bituminous Coated And 25% Paved, Add	*40.34*	
33 41 13 00-0995	LF	96" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	293.26	65.22
		For 1/2 Bituminous Coated And 25% Paved, Add	*42.51*	
33 41 13 00-0996	LF	102" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	311.96	69.06
		For 1/2 Bituminous Coated And 25% Paved, Add	*44.70*	
33 41 13 00-0997	LF	108" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	332.42	76.73
		For 1/2 Bituminous Coated And 25% Paved, Add	*46.89*	
33 41 13 00-0998	LF	114" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	352.43	84.40
		For 1/2 Bituminous Coated And 25% Paved, Add	*49.04*	
33 41 13 00-0999		**12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 41 13 00-0973)*		
33 41 13 00-1000	LF	60" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	180.32	27.62
		For 1/2 Bituminous Coated And 25% Paved, Add	*33.69*	
33 41 13 00-1001	LF	66" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	219.34	33.77
		For 1/2 Bituminous Coated And 25% Paved, Add	*41.22*	
33 41 13 00-1002	LF	72" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	262.00	49.10
		For 1/2 Bituminous Coated And 25% Paved, Add	*44.21*	
33 41 13 00-1003	LF	78" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	282.94	53.71
		For 1/2 Bituminous Coated And 25% Paved, Add	*47.21*	
33 41 13 00-1004	LF	84" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	301.84	57.55
		For 1/2 Bituminous Coated And 25% Paved, Add	*50.23*	
33 41 13 00-1005	LF	90" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	320.68	61.38
		For 1/2 Bituminous Coated And 25% Paved, Add	*53.24*	
33 41 13 00-1006	LF	96" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	340.06	65.22
		For 1/2 Bituminous Coated And 25% Paved, Add	*56.24*	
33 41 13 00-1007	LF	102" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	361.61	69.06
		For 1/2 Bituminous Coated And 25% Paved, Add	*59.25*	
33 41 13 00-1008	LF	108" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	384.91	76.73
		For 1/2 Bituminous Coated And 25% Paved, Add	*62.26*	
33 41 13 00-1009	LF	114" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	407.79	84.40
		For 1/2 Bituminous Coated And 25% Paved, Add	*65.24*	
33 41 13 00-1010	LF	120" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	429.83	92.08
		For 1/2 Bituminous Coated And 25% Paved, Add	*68.26*	
33 41 13 00-1011		**10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 41 13 00-0973)*		
33 41 13 00-1012	LF	72" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	294.98	49.10
		For 1/2 Bituminous Coated And 25% Paved, Add	*54.27*	
33 41 13 00-1013	LF	78" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	318.57	53.71
		For 1/2 Bituminous Coated And 25% Paved, Add	*58.07*	
33 41 13 00-1014	LF	84" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	340.18	57.55
		For 1/2 Bituminous Coated And 25% Paved, Add	*61.90*	
33 41 13 00-1015	LF	90" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	361.70	61.38
		For 1/2 Bituminous Coated And 25% Paved, Add	*65.71*	
33 41 13 00-1016	LF	96" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	383.82	65.22
		For 1/2 Bituminous Coated And 25% Paved, Add	*69.53*	
33 41 13 00-1017	LF	102" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	408.10	69.06
		For 1/2 Bituminous Coated And 25% Paved, Add	*73.36*	
33 41 13 00-1018	LF	108" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	434.06	76.73
		For 1/2 Bituminous Coated And 25% Paved, Add	*77.17*	
33 41 13 00-1019	LF	114" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	459.64	84.40
		For 1/2 Bituminous Coated And 25% Paved, Add	*80.95*	
33 41 13 00-1020	LF	120" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	484.41	92.08
		For 1/2 Bituminous Coated And 25% Paved, Add	*84.79*	
33 41 13 00-1021	LF	126" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	510.59	99.75
		For 1/2 Bituminous Coated And 25% Paved, Add	*88.59*	
33 41 13 00-1022	LF	132" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	538.73	107.42
		For 1/2 Bituminous Coated And 25% Paved, Add	*92.41*	
33 41 13 00-1023	LF	138" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	569.21	115.10
		For 1/2 Bituminous Coated And 25% Paved, Add	*96.25*	
33 41 13 00-1024		**125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 41 13 00-0931)*		
33 41 13 00-1025		**16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 41 13 00-1024)*		
33 41 13 00-1026	LF	48" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	106.56	23.02
		For 1/2 Bituminous Coated And 25% Paved, Add	*26.93*	
33 41 13 00-1027	LF	54" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	127.11	26.09
		For 1/2 Bituminous Coated And 25% Paved, Add	*33.00*	
33 41 13 00-1028	LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	138.33	27.62
		For 1/2 Bituminous Coated And 25% Paved, Add	*35.88*	
33 41 13 00-1029	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	170.92	33.77
		For 1/2 Bituminous Coated And 25% Paved, Add	*45.17*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1030		LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	209.29	49.10
			For 1/2 Bituminous Coated And 25% Paved, Add	*48.12*	
33 41 13 00-1031		LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	225.90	53.71
			For 1/2 Bituminous Coated And 25% Paved, Add	*51.06*	
33 41 13 00-1032		LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	240.36	57.55
			For 1/2 Bituminous Coated And 25% Paved, Add	*53.99*	
33 41 13 00-1033		LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	254.78	61.38
			For 1/2 Bituminous Coated And 25% Paved, Add	*56.90*	
33 41 13 00-1034		LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	269.89	65.22
			For 1/2 Bituminous Coated And 25% Paved, Add	*59.86*	
33 41 13 00-1035		LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	287.26	69.06
			For 1/2 Bituminous Coated And 25% Paved, Add	*62.89*	

33 41 13 00-1036 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 41 13 00-1024)*

33 41 13 00-1037		LF	54" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	142.05	26.09
			For 1/2 Bituminous Coated And 25% Paved, Add	*31.11*	
33 41 13 00-1038		LF	60" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	154.99	27.62
			For 1/2 Bituminous Coated And 25% Paved, Add	*33.97*	
33 41 13 00-1039		LF	66" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	189.06	33.77
			For 1/2 Bituminous Coated And 25% Paved, Add	*41.80*	
33 41 13 00-1040		LF	72" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	228.92	49.10
			For 1/2 Bituminous Coated And 25% Paved, Add	*44.63*	
33 41 13 00-1041		LF	78" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	247.27	53.71
			For 1/2 Bituminous Coated And 25% Paved, Add	*47.55*	
33 41 13 00-1042		LF	84" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	263.40	57.55
			For 1/2 Bituminous Coated And 25% Paved, Add	*50.42*	
33 41 13 00-1043		LF	90" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	278.67	61.38
			For 1/2 Bituminous Coated And 25% Paved, Add	*53.01*	
33 41 13 00-1044		LF	96" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	296.16	65.22
			For 1/2 Bituminous Coated And 25% Paved, Add	*56.15*	
33 41 13 00-1045		LF	102" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	314.95	69.06
			For 1/2 Bituminous Coated And 25% Paved, Add	*59.03*	
33 41 13 00-1046		LF	108" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	335.43	76.73
			For 1/2 Bituminous Coated And 25% Paved, Add	*61.87*	
33 41 13 00-1047		LF	114" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	355.80	84.40
			For 1/2 Bituminous Coated And 25% Paved, Add	*64.78*	

33 41 13 00-1048 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 41 13 00-1024)*

33 41 13 00-1049		LF	60" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	186.12	27.62
			For 1/2 Bituminous Coated And 25% Paved, Add	*37.48*	
33 41 13 00-1050		LF	66" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	223.38	33.77
			For 1/2 Bituminous Coated And 25% Paved, Add	*44.98*	
33 41 13 00-1051		LF	72" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	266.50	49.10
			For 1/2 Bituminous Coated And 25% Paved, Add	*48.29*	
33 41 13 00-1052		LF	78" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	287.73	53.71
			For 1/2 Bituminous Coated And 25% Paved, Add	*51.57*	
33 41 13 00-1053		LF	84" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	306.81	57.55
			For 1/2 Bituminous Coated And 25% Paved, Add	*54.83*	
33 41 13 00-1054		LF	90" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	326.03	61.38
			For 1/2 Bituminous Coated And 25% Paved, Add	*58.13*	
33 41 13 00-1055		LF	96" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	345.70	65.22
			For 1/2 Bituminous Coated And 25% Paved, Add	*61.40*	
33 41 13 00-1056		LF	102" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	367.48	69.06
			For 1/2 Bituminous Coated And 25% Paved, Add	*64.68*	
33 41 13 00-1057		LF	108" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	391.13	76.73
			For 1/2 Bituminous Coated And 25% Paved, Add	*67.97*	
33 41 13 00-1058		LF	114" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	414.40	84.40
			For 1/2 Bituminous Coated And 25% Paved, Add	*71.25*	
33 41 13 00-1059		LF	120" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	436.69	92.08
			For 1/2 Bituminous Coated And 25% Paved, Add	*74.53*	

33 41 13 00-1060 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 41 13 00-1024)*

33 41 13 00-1061		LF	72" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	302.48	49.10
			For 1/2 Bituminous Coated And 25% Paved, Add	*58.58*	
33 41 13 00-1062		LF	78" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	327.07	53.71
			For 1/2 Bituminous Coated And 25% Paved, Add	*62.82*	
33 41 13 00-1063		LF	84" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	349.27	57.55
			For 1/2 Bituminous Coated And 25% Paved, Add	*66.97*	
33 41 13 00-1064		LF	90" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	371.32	61.38
			For 1/2 Bituminous Coated And 25% Paved, Add	*71.09*	
33 41 13 00-1065		LF	96" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	394.05	65.22
			For 1/2 Bituminous Coated And 25% Paved, Add	*75.23*	
33 41 13 00-1066		LF	102" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	418.82	69.06
			For 1/2 Bituminous Coated And 25% Paved, Add	*79.36*	
33 41 13 00-1067		LF	108" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	445.44	76.73
			For 1/2 Bituminous Coated And 25% Paved, Add	*83.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1068	LF	114" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	471.71	84.40
		For 1/2 Bituminous Coated And 25% Paved, Add	*87.64*	
33 41 13 00-1069	LF	120" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	496.95	92.08
		For 1/2 Bituminous Coated And 25% Paved, Add	*91.77*	
33 41 13 00-1070	LF	126" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	528.35	99.75
		For 1/2 Bituminous Coated And 25% Paved, Add	*97.21*	
33 41 13 00-1071	LF	132" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	558.24	107.42
		For 1/2 Bituminous Coated And 25% Paved, Add	*101.69*	
33 41 13 00-1072	LF	138" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	591.06	115.10
		For 1/2 Bituminous Coated And 25% Paved, Add	*106.35*	
33 41 13 00-1073		Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping *(33 41 13 00-0931)*		
33 41 13 00-1074		16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping *(33 41 13 00-1073)*		
33 41 13 00-1075	LF	18" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	37.95	8.84
33 41 13 00-1076	LF	21" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	43.21	9.57
33 41 13 00-1077	LF	24" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	48.17	10.32
33 41 13 00-1078	LF	30" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	63.06	13.26
33 41 13 00-1079	LF	36" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	80.45	16.88
33 41 13 00-1080	LF	42" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	91.63	19.95
33 41 13 00-1081	LF	48" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	103.36	23.02
33 41 13 00-1082	LF	54" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	122.34	26.09
33 41 13 00-1083	LF	60" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	133.64	27.62
33 41 13 00-1084		14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping *(33 41 13 00-1073)*		
33 41 13 00-1085	LF	18" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	41.41	8.84
33 41 13 00-1086	LF	21" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	47.26	9.57
33 41 13 00-1087	LF	24" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	52.76	10.32
33 41 13 00-1088	LF	30" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	68.79	13.26
33 41 13 00-1089	LF	36" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	87.35	16.88
33 41 13 00-1090	LF	42" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	99.70	19.95
33 41 13 00-1091	LF	48" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	112.58	23.02
33 41 13 00-1092	LF	54" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	132.70	26.09
33 41 13 00-1093	LF	60" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	145.19	27.62
33 41 13 00-1094	LF	66" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	176.40	33.77
33 41 13 00-1095	LF	72" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	215.79	49.10
33 41 13 00-1096	LF	78" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	233.52	53.71
33 41 13 00-1097		12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping *(33 41 13 00-1073)*		
33 41 13 00-1098	LF	30" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	80.41	13.26
33 41 13 00-1099	LF	36" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	101.26	16.88
33 41 13 00-1100	LF	42" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	116.00	19.95
33 41 13 00-1101	LF	48" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	131.17	23.02
33 41 13 00-1102	LF	54" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	153.61	26.09
33 41 13 00-1103	LF	60" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	168.45	27.62
33 41 13 00-1104	LF	66" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	201.94	33.77
33 41 13 00-1105	LF	72" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	243.62	49.10
33 41 13 00-1106	LF	78" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	263.66	53.71
33 41 13 00-1107	LF	84" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	281.54	57.55
33 41 13 00-1108	LF	90" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	299.44	61.38
33 41 13 00-1109	LF	96" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	317.83	65.22
33 41 13 00-1110	LF	102" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	337.25	69.06
33 41 13 00-1111		Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 41 13 00-0422)*		
33 41 13 00-1112		2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 41 13 00-1111)*		
33 41 13 00-1113		16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 41 13 00-1112)*		
33 41 13 00-1114	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	31.22	8.10
		For 1/2 Bituminous Coated And 40% Paved, Add	*7.18*	
33 41 13 00-1115	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	34.65	8.84
		For 1/2 Bituminous Coated And 40% Paved, Add	*8.58*	
33 41 13 00-1116	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	39.55	9.57
		For 1/2 Bituminous Coated And 40% Paved, Add	*10.32*	
33 41 13 00-1117	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	44.33	10.32
		For 1/2 Bituminous Coated And 40% Paved, Add	*11.89*	
33 41 13 00-1118	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	57.85	13.26
		For 1/2 Bituminous Coated And 40% Paved, Add	*15.11*	
33 41 13 00-1119	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	75.32	16.88
		For 1/2 Bituminous Coated And 40% Paved, Add	*19.48*	
33 41 13 00-1120		14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 41 13 00-1112)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1121	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	34.16	8.10
		For 1/2 Bituminous Coated And 40% Paved, Add	*7.44*	
33 41 13 00-1122	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	38.22	8.84
		For 1/2 Bituminous Coated And 40% Paved, Add	*8.91*	
33 41 13 00-1123	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	43.57	9.57
		For 1/2 Bituminous Coated And 40% Paved, Add	*10.60*	
33 41 13 00-1124	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	48.98	10.32
		For 1/2 Bituminous Coated And 40% Paved, Add	*12.23*	
33 41 13 00-1125	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	63.65	13.26
		For 1/2 Bituminous Coated And 40% Paved, Add	*15.49*	
33 41 13 00-1126	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	82.23	16.88
		For 1/2 Bituminous Coated And 40% Paved, Add	*19.73*	
33 41 13 00-1127	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	94.35	19.95
		For 1/2 Bituminous Coated And 40% Paved, Add	*23.50*	
33 41 13 00-1128		**12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch** *(33 41 13 00-1112)*		
33 41 13 00-1129	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	45.50	8.84
		For 1/2 Bituminous Coated And 40% Paved, Add	*8.16*	
33 41 13 00-1130	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	52.20	9.57
		For 1/2 Bituminous Coated And 40% Paved, Add	*9.70*	
33 41 13 00-1131	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	58.76	10.32
		For 1/2 Bituminous Coated And 40% Paved, Add	*11.14*	
33 41 13 00-1132	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	75.85	13.26
		For 1/2 Bituminous Coated And 40% Paved, Add	*14.06*	
33 41 13 00-1133	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	96.97	16.88
		For 1/2 Bituminous Coated And 40% Paved, Add	*17.68*	
33 41 13 00-1134	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	111.55	19.95
		For 1/2 Bituminous Coated And 40% Paved, Add	*20.95*	
33 41 13 00-1135	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	130.38	23.02
		For 1/2 Bituminous Coated And 40% Paved, Add	*24.94*	
33 41 13 00-1136	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	145.70	26.09
		For 1/2 Bituminous Coated And 40% Paved, Add	*27.50*	
33 41 13 00-1137		**10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch** *(33 41 13 00-1112)*		
33 41 13 00-1138	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	110.21	16.88
		For 1/2 Bituminous Coated And 40% Paved, Add	*18.60*	
33 41 13 00-1139	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	126.99	19.95
		For 1/2 Bituminous Coated And 40% Paved, Add	*21.98*	
33 41 13 00-1140	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	147.89	23.02
		For 1/2 Bituminous Coated And 40% Paved, Add	*25.96*	
33 41 13 00-1141	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	165.50	26.09
		For 1/2 Bituminous Coated And 40% Paved, Add	*28.74*	
33 41 13 00-1142	LF	71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	181.13	27.62
		For 1/2 Bituminous Coated And 40% Paved, Add	*31.51*	
33 41 13 00-1143		**3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch** *(33 41 13 00-1111)*		
33 41 13 00-1144		**14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch** *(33 41 13 00-1143)*		
33 41 13 00-1145	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	140.73	26.09
		For 1/2 Bituminous Coated And 40% Paved, Add	*41.30*	
33 41 13 00-1146	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	153.75	27.62
		For 1/2 Bituminous Coated And 40% Paved, Add	*45.19*	
33 41 13 00-1147	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	190.05	33.77
		For 1/2 Bituminous Coated And 40% Paved, Add	*56.76*	
33 41 13 00-1148	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	230.51	49.10
		For 1/2 Bituminous Coated And 40% Paved, Add	*60.85*	
33 41 13 00-1149	LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	249.68	53.71
		For 1/2 Bituminous Coated And 40% Paved, Add	*65.16*	
33 41 13 00-1150	LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	266.77	57.55
		For 1/2 Bituminous Coated And 40% Paved, Add	*69.46*	
33 41 13 00-1151	LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	283.82	61.38
		For 1/2 Bituminous Coated And 40% Paved, Add	*73.76*	
33 41 13 00-1152	LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	301.44	65.22
		For 1/2 Bituminous Coated And 40% Paved, Add	*78.06*	
33 41 13 00-1153		**12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch** *(33 41 13 00-1143)*		
33 41 13 00-1154	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	183.15	27.62
		For 1/2 Bituminous Coated And 40% Paved, Add	*51.36*	
33 41 13 00-1155	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	222.64	33.77
		For 1/2 Bituminous Coated And 40% Paved, Add	*62.77*	
33 41 13 00-1156	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	266.00	49.10
		For 1/2 Bituminous Coated And 40% Paved, Add	*67.51*	
33 41 13 00-1157	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	288.00	53.71
		For 1/2 Bituminous Coated And 40% Paved, Add	*72.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1158	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	308.00	57.55
		For 1/2 Bituminous Coated And 40% Paved, Add	*77.35*	
33 41 13 00-1159	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	327.94	61.38
		For 1/2 Bituminous Coated And 40% Paved, Add	*82.27*	
33 41 13 00-1160	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	348.40	65.22
		For 1/2 Bituminous Coated And 40% Paved, Add	*87.18*	
33 41 13 00-1161	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	371.08	69.06
		For 1/2 Bituminous Coated And 40% Paved, Add	*92.13*	
33 41 13 00-1162	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	395.47	76.73
		For 1/2 Bituminous Coated And 40% Paved, Add	*97.05*	
33 41 13 00-1163	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	420.78	84.40
		For 1/2 Bituminous Coated And 40% Paved, Add	*102.46*	

33 41 13 00-1164 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 41 13 00-1143)*

33 41 13 00-1165	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	298.95	49.10
		For 1/2 Bituminous Coated And 40% Paved, Add	*73.07*	
33 41 13 00-1166	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	323.69	53.71
		For 1/2 Bituminous Coated And 40% Paved, Add	*78.51*	
33 41 13 00-1167	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	346.39	57.55
		For 1/2 Bituminous Coated And 40% Paved, Add	*83.96*	
33 41 13 00-1168	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	368.98	61.38
		For 1/2 Bituminous Coated And 40% Paved, Add	*89.37*	
33 41 13 00-1169	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	393.98	65.22
		For 1/2 Bituminous Coated And 40% Paved, Add	*95.46*	
33 41 13 00-1170	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	417.54	69.06
		For 1/2 Bituminous Coated And 40% Paved, Add	*100.26*	
33 41 13 00-1171	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	444.65	76.73
		For 1/2 Bituminous Coated And 40% Paved, Add	*105.70*	
33 41 13 00-1172	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	472.41	84.40
		For 1/2 Bituminous Coated And 40% Paved, Add	*111.50*	
33 41 13 00-1173	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	502.43	92.08
		For 1/2 Bituminous Coated And 40% Paved, Add	*118.46*	

33 41 13 00-1174 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 41 13 00-1111)*

33 41 13 00-1175 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 41 13 00-1174)*

33 41 13 00-1176	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	269.33	49.10
		For 1/2 Bituminous Coated And 40% Paved, Add	*66.44*	
33 41 13 00-1177	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	291.03	53.71
		For 1/2 Bituminous Coated And 40% Paved, Add	*71.06*	
33 41 13 00-1178	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	310.54	57.55
		For 1/2 Bituminous Coated And 40% Paved, Add	*75.64*	
33 41 13 00-1179	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	330.01	61.38
		For 1/2 Bituminous Coated And 40% Paved, Add	*80.20*	
33 41 13 00-1180	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	350.11	65.22
		For 1/2 Bituminous Coated And 40% Paved, Add	*84.80*	
33 41 13 00-1181	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	372.54	69.06
		For 1/2 Bituminous Coated And 40% Paved, Add	*89.47*	
33 41 13 00-1182	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	396.68	76.73
		For 1/2 Bituminous Coated And 40% Paved, Add	*94.13*	
33 41 13 00-1183	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	423.54	84.40
		For 1/2 Bituminous Coated And 40% Paved, Add	*99.95*	

33 41 13 00-1184 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 41 13 00-1174)*

33 41 13 00-1185	LF	81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	305.83	49.10
		For 1/2 Bituminous Coated And 40% Paved, Add	*73.70*	
33 41 13 00-1186	LF	87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	330.46	53.71
		For 1/2 Bituminous Coated And 40% Paved, Add	*78.96*	
33 41 13 00-1187	LF	95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	352.91	57.55
		For 1/2 Bituminous Coated And 40% Paved, Add	*84.18*	
33 41 13 00-1188	LF	103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	375.43	61.38
		For 1/2 Bituminous Coated And 40% Paved, Add	*89.44*	
33 41 13 00-1189	LF	112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	398.03	65.22
		For 1/2 Bituminous Coated And 40% Paved, Add	*94.53*	
33 41 13 00-1190	LF	117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	423.81	69.06
		For 1/2 Bituminous Coated And 40% Paved, Add	*99.99*	
33 41 13 00-1191	LF	128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	450.99	76.73
		For 1/2 Bituminous Coated And 40% Paved, Add	*105.33*	
33 41 13 00-1192	LF	137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	480.84	84.40
		For 1/2 Bituminous Coated And 40% Paved, Add	*111.72*	
33 41 13 00-1193	LF	142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	508.73	92.08
		For 1/2 Bituminous Coated And 40% Paved, Add	*117.75*	

33 41 13 00-1194 Spiral Lockseam Corrugated Aluminum Piping *(33 41 13 00-0422)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1195		1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 41 13 00-1194)*		
33 41 13 00-1196		18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 41 13 00-1195)*		
33 41 13 00-1197	LF	6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	15.95	4.42
		For Bituminous Coated Pipe, Add	*1.37*	
33 41 13 00-1198	LF	8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	20.38	5.52
		For Bituminous Coated Pipe, Add	*1.85*	
33 41 13 00-1199	LF	10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	26.32	6.63
		For Bituminous Coated Pipe, Add	*2.44*	
33 41 13 00-1200		16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 41 13 00-1195)*		
33 41 13 00-1201	LF	6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	17.52	4.42
		For Bituminous Coated Pipe, Add	*1.35*	
33 41 13 00-1202	LF	8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	22.59	5.52
		For Bituminous Coated Pipe, Add	*1.85*	
33 41 13 00-1203	LF	10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	29.28	6.63
		For Bituminous Coated Pipe, Add	*2.45*	
33 41 13 00-1204		2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 41 13 00-1194)*		
33 41 13 00-1205		16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 41 13 00-1204)*		
33 41 13 00-1206	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	30.59	7.74
		For Bituminous Coated Pipe, Add	*2.69*	
33 41 13 00-1207	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	34.88	8.10
		For Bituminous Coated Pipe, Add	*3.37*	
33 41 13 00-1208	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	39.40	8.84
		For Bituminous Coated Pipe, Add	*4.10*	
33 41 13 00-1209	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	45.06	9.57
		For Bituminous Coated Pipe, Add	*4.89*	
33 41 13 00-1210	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	50.19	10.32
		For Bituminous Coated Pipe, Add	*5.55*	
33 41 13 00-1211		14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 41 13 00-1204)*		
33 41 13 00-1212	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	33.95	7.74
		For Bituminous Coated Pipe, Add	*2.63*	
33 41 13 00-1213	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	39.16	8.10
		For Bituminous Coated Pipe, Add	*3.31*	
33 41 13 00-1214	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	44.53	8.84
		For Bituminous Coated Pipe, Add	*4.01*	
33 41 13 00-1215	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	51.01	9.57
		For Bituminous Coated Pipe, Add	*4.76*	
33 41 13 00-1216	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	57.02	10.32
		For Bituminous Coated Pipe, Add	*5.41*	
33 41 13 00-1217	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	74.38	13.26
		For Bituminous Coated Pipe, Add	*6.93*	
33 41 13 00-1218	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	94.46	16.88
		For Bituminous Coated Pipe, Add	*8.62*	
33 41 13 00-1219		12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 41 13 00-1204)*		
33 41 13 00-1220	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	70.07	10.32
		For Bituminous Coated Pipe, Add	*5.14*	
33 41 13 00-1221	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	90.63	13.26
		For Bituminous Coated Pipe, Add	*6.53*	
33 41 13 00-1222	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	113.98	16.88
		For Bituminous Coated Pipe, Add	*8.05*	
33 41 13 00-1223	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	130.99	19.95
		For Bituminous Coated Pipe, Add	*9.47*	
33 41 13 00-1224	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	148.13	23.02
		For Bituminous Coated Pipe, Add	*10.72*	
33 41 13 00-1225	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	174.00	26.09
		For Bituminous Coated Pipe, Add	*12.72*	
33 41 13 00-1226		10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 41 13 00-1204)*		
33 41 13 00-1227	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	134.77	16.88
		For Bituminous Coated Pipe, Add	*7.92*	
33 41 13 00-1228	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	155.22	19.95
		For Bituminous Coated Pipe, Add	*9.29*	
33 41 13 00-1229	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	175.89	23.02
		For Bituminous Coated Pipe, Add	*10.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1230	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	205.23	26.09
		For Bituminous Coated Pipe, Add	*12.37*	
33 41 13 00-1231	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	225.53	27.62
		For Bituminous Coated Pipe, Add	*13.64*	
33 41 13 00-1232		3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 41 13 00-1194)*		
33 41 13 00-1233		16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 41 13 00-1232)*		
33 41 13 00-1234	LF	30" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	73.32	13.26
33 41 13 00-1235	LF	36" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	93.14	16.88
33 41 13 00-1236	LF	42" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	106.25	19.95
33 41 13 00-1237	LF	48" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	120.29	23.02
33 41 13 00-1238	LF	54" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	141.75	26.09
33 41 13 00-1239		14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 41 13 00-1232)*		
33 41 13 00-1240	LF	30" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	81.88	13.26
33 41 13 00-1241	LF	36" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	105.35	16.88
33 41 13 00-1242	LF	42" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	120.42	19.95
33 41 13 00-1243	LF	48" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	135.76	23.02
33 41 13 00-1244	LF	54" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	159.87	26.09
33 41 13 00-1245	LF	60" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	174.76	27.62
33 41 13 00-1246	LF	66" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	212.41	33.77
33 41 13 00-1247	LF	72" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	254.42	49.10
33 41 13 00-1248	LF	78" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	274.69	53.71
33 41 13 00-1249		12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 41 13 00-1232)*		
33 41 13 00-1250	LF	30" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	101.86	13.26
33 41 13 00-1251	LF	36" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	127.81	16.88
33 41 13 00-1252	LF	42" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	147.27	19.95
33 41 13 00-1253	LF	48" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	166.55	23.02
33 41 13 00-1254	LF	54" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	194.43	26.09
33 41 13 00-1255	LF	60" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	213.03	27.62
33 41 13 00-1256	LF	66" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	254.38	33.77
33 41 13 00-1257	LF	72" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	300.20	49.10
33 41 13 00-1258	LF	78" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	324.21	53.71
33 41 13 00-1259	LF	84" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	346.19	57.55
33 41 13 00-1260	LF	90" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	368.10	61.38
33 41 13 00-1261	LF	96" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	390.57	65.22
33 41 13 00-1262		10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 41 13 00-1232)*		
33 41 13 00-1263	LF	60" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	253.29	27.62
33 41 13 00-1264	LF	66" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	296.97	33.77
33 41 13 00-1265	LF	72" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	346.60	49.10
33 41 13 00-1266	LF	78" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	374.44	53.71
33 41 13 00-1267	LF	84" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	400.18	57.55
33 41 13 00-1268	LF	90" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	425.91	61.38
33 41 13 00-1269	LF	96" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	452.17	65.22
33 41 13 00-1270	LF	102" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	480.64	69.06
33 41 13 00-1271	LF	108" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	510.82	76.73
33 41 13 00-1272		Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 41 13 00-1194)*		
		Note: Contech ULTRA FLO. HS 20 and HS 25 vehicular loading.		
33 41 13 00-1273		16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 41 13 00-1272)*		
33 41 13 00-1274	LF	18" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	50.92	8.84
33 41 13 00-1275	LF	21" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	54.79	9.57
33 41 13 00-1276	LF	24" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	65.50	10.32
33 41 13 00-1277	LF	27" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	75.62	11.79
33 41 13 00-1278	LF	30" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	85.04	13.26
33 41 13 00-1279	LF	33" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	94.40	14.74
33 41 13 00-1280		14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 41 13 00-1272)*		
33 41 13 00-1281	LF	18" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	58.16	8.84
33 41 13 00-1282	LF	21" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	66.92	9.57
33 41 13 00-1283	LF	24" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	75.23	10.32
33 41 13 00-1284	LF	27" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	86.54	11.79
33 41 13 00-1285	LF	30" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	97.16	13.26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1286	LF	33" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	107.76	14.74
33 41 13 00-1287	LF	36" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	121.96	16.88
33 41 13 00-1288	LF	42" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	140.30	19.95
33 41 13 00-1289	LF	48" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	158.73	23.02
33 41 13 00-1290		12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 41 13 00-1272)*		
33 41 13 00-1291	LF	30" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	120.85	13.26
33 41 13 00-1292	LF	33" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	133.76	14.74
33 41 13 00-1293	LF	36" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	150.38	16.88
33 41 13 00-1294	LF	42" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	173.47	19.95
33 41 13 00-1295	LF	48" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	196.64	23.02
33 41 13 00-1296	LF	54" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	269.75	26.09
33 41 13 00-1297	LF	60" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	296.75	27.62
33 41 13 00-1298		10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 41 13 00-1272)*		
33 41 13 00-1299	LF	48" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	273.90	23.02
33 41 13 00-1300	LF	54" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	317.37	26.09
33 41 13 00-1301	LF	60" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	349.73	27.62
33 41 13 00-1302	LF	66" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	406.79	33.77
33 41 13 00-1303	LF	72" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	465.55	49.10
33 41 13 00-1304	LF	78" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	502.95	53.71
33 41 13 00-1305	LF	84" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	537.96	57.55
33 41 13 00-1306		Spiral Lockseam Aluminum Pipe-Arch *(33 41 13 00-0422)*		
33 41 13 00-1307		2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 41 13 00-1306)*		
33 41 13 00-1308		16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 41 13 00-1307)*		
33 41 13 00-1309	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	36.40	8.10
		For Bituminous Coated Pipe, Add	*3.38*	
33 41 13 00-1310	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	40.85	8.84
		For Bituminous Coated Pipe, Add	*4.04*	
33 41 13 00-1311	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	46.71	9.57
		For Bituminous Coated Pipe, Add	*4.80*	
33 41 13 00-1312		14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 41 13 00-1307)*		
33 41 13 00-1313	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	40.69	8.10
		For Bituminous Coated Pipe, Add	*3.37*	
33 41 13 00-1314	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	44.96	8.84
		For Bituminous Coated Pipe, Add	*3.88*	
33 41 13 00-1315	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	52.66	9.57
		For Bituminous Coated Pipe, Add	*4.77*	
33 41 13 00-1316	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	59.25	10.32
		For Bituminous Coated Pipe, Add	*5.47*	
33 41 13 00-1317	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	76.61	13.26
		For Bituminous Coated Pipe, Add	*6.92*	
33 41 13 00-1318		12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 41 13 00-1307)*		
33 41 13 00-1319	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	72.31	10.32
		For Bituminous Coated Pipe, Add	*5.21*	
33 41 13 00-1320	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	92.89	13.26
		For Bituminous Coated Pipe, Add	*6.57*	
33 41 13 00-1321	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	117.81	16.88
		For Bituminous Coated Pipe, Add	*8.20*	
33 41 13 00-1322	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	136.04	19.95
		For Bituminous Coated Pipe, Add	*9.70*	
33 41 13 00-1323		10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 41 13 00-1307)*		
33 41 13 00-1324	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	138.57	16.88
		For Bituminous Coated Pipe, Add	*7.91*	
33 41 13 00-1325	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	160.30	19.95
		For Bituminous Coated Pipe, Add	*9.34*	
33 41 13 00-1326	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	186.11	23.02
		For Bituminous Coated Pipe, Add	*10.94*	
33 41 13 00-1327	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	208.59	26.09
		For Bituminous Coated Pipe, Add	*12.17*	
33 41 13 00-1328		3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 41 13 00-1306)*		
33 41 13 00-1329		14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 41 13 00-1328)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1330	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	163.23	26.09
33 41 13 00-1331	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	178.66	27.62
33 41 13 00-1332	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	217.23	33.77
33 41 13 00-1333		12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 41 13 00-1328)*		
33 41 13 00-1334	LF	60" x 46" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	197.79	26.09
33 41 13 00-1335	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	216.93	27.62
33 41 13 00-1336	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	259.04	33.77
33 41 13 00-1337	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	305.20	49.10
33 41 13 00-1338	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	329.57	53.71
33 41 13 00-1339	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	351.90	57.55
33 41 13 00-1340		10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 41 13 00-1328)*		
33 41 13 00-1341	LF	66" x 51" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	257.13	27.62
33 41 13 00-1342	LF	73" x 55" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	301.45	33.77
33 41 13 00-1343	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	351.43	49.10
33 41 13 00-1344	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	379.62	53.71
33 41 13 00-1345	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	405.71	57.55
33 41 13 00-1346	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	431.78	61.38
33 41 13 00-1347		Corrugated Steel Pipe Fittings *(33 41 13 00-0422)* Note: Equivalent pipe-arch sizes are approximate.		
33 41 13 00-1348		Fabricate 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fittings *(33 41 13 00-1347)* Note: Excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.		
33 41 13 00-1349	EA	Fabricate 6" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	67.05	
33 41 13 00-1350	EA	Fabricate 8" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	84.09	
33 41 13 00-1351	EA	Fabricate 10" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	101.12	
33 41 13 00-1352	EA	Fabricate 12" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	119.23	
33 41 13 00-1353	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	144.78	
33 41 13 00-1354	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	170.31	
33 41 13 00-1355	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	195.87	
33 41 13 00-1356	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	221.40	
33 41 13 00-1357	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	288.47	
33 41 13 00-1358	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	343.82	
33 41 13 00-1359	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	399.17	
33 41 13 00-1360	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	516.27	
33 41 13 00-1361	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	582.27	
33 41 13 00-1362	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	650.40	
33 41 13 00-1363	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	720.65	
33 41 13 00-1364	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe)	878.19	
33 41 13 00-1365	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe)	958.02	
33 41 13 00-1366	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe)	1,039.97	
33 41 13 00-1367	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,276.29	
33 41 13 00-1368	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,369.98	
33 41 13 00-1369	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,464.71	
33 41 13 00-1370	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	1,559.44	
33 41 13 00-1371	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	1,653.11	
33 41 13 00-1372	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	1,747.86	
33 41 13 00-1373	EA	Fabricate 126" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	1,847.75	
33 41 13 00-1374	EA	Fabricate 132" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	1,953.33	
33 41 13 00-1375	EA	Fabricate 138" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	2,064.94	
33 41 13 00-1376		Fabricate Corrugated Steel Pipe Tees Or Laterals *(33 41 13 00-1347)* Note: Fabrication charge excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1377	EA	Fabricate 6" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	87.29	
33 41 13 00-1378	EA	Fabricate 8" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	111.77	
33 41 13 00-1379	EA	Fabricate 10" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	136.23	
33 41 13 00-1380	EA	Fabricate 12" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	160.74	
33 41 13 00-1381	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	195.87	
33 41 13 00-1382	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	232.04	
33 41 13 00-1383	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	268.25	
33 41 13 00-1384	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	304.42	
33 41 13 00-1385	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	399.17	
33 41 13 00-1386	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe)	475.82	
33 41 13 00-1387	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe)	553.52	
33 41 13 00-1388	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe)	718.51	
33 41 13 00-1389	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	808.99	
33 41 13 00-1390	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	902.66	
33 41 13 00-1391	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	998.46	
33 41 13 00-1392	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	1,217.74	
33 41 13 00-1393	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	1,326.33	
33 41 13 00-1394	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	1,437.03	
33 41 13 00-1395	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe)	1,768.05	
33 41 13 00-1396	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe)	1,894.74	
33 41 13 00-1397	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe)	2,021.41	
33 41 13 00-1398	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe)	2,149.14	
33 41 13 00-1399	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe)	2,276.88	
33 41 13 00-1400	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe)	2,403.54	
33 41 13 00-1401	EA	Fabricate 126" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 23' Of Appropriate Pipe)	2,537.25	
33 41 13 00-1402	EA	Fabricate 132" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe)	2,678.40	
33 41 13 00-1403	EA	Fabricate 138" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe)	2,827.39	

33 41 13 00-1404 Fabricate Skew Or Bevel Ends, Corrugated Steel Pipe Fitting *(33 41 13 00-1347)*

Note: Applied to pipe tasks.

33 41 13 00-1405	EA	Fabricate 6" Skew Or Bevel End, Corrugated Steel Pipe Fitting	33.70	
33 41 13 00-1406	EA	Fabricate 8" Skew Or Bevel End, Corrugated Steel Pipe Fitting	42.40	
33 41 13 00-1407	EA	Fabricate 10" Skew Or Bevel End, Corrugated Steel Pipe Fitting	53.32	
33 41 13 00-1408	EA	Fabricate 12" Skew Or Bevel End, Corrugated Steel Pipe Fitting	65.30	
33 41 13 00-1409	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	82.62	
33 41 13 00-1410	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	101.18	
33 41 13 00-1411	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	118.51	
33 41 13 00-1412	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	137.69	
33 41 13 00-1413	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	169.12	
33 41 13 00-1414	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	201.64	
33 41 13 00-1415	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	240.59	
33 41 13 00-1416	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	295.95	
33 41 13 00-1417	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	334.98	
33 41 13 00-1418	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	377.24	
33 41 13 00-1419	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	457.48	
33 41 13 00-1420	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	507.33	
33 41 13 00-1421	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	619.00	
33 41 13 00-1422	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	674.30	
33 41 13 00-1423	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	732.87	
33 41 13 00-1424	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	790.28	
33 41 13 00-1425	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	848.83	
33 41 13 00-1426	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	908.44	
33 41 13 00-1427	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	967.01	
33 41 13 00-1428	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,025.53	
33 41 13 00-1429	EA	Fabricate 126" Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,087.60	
33 41 13 00-1430	EA	Fabricate 132" Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,153.42	
33 41 13 00-1431	EA	Fabricate 138" Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,223.23	

33 41 13 00-1432 Coupling Bands, Corrugated Metal Pipe Fitting *(33 41 13 00-1347)*

33 41 13 00-1433	EA	6" Coupling Band, Corrugated Metal Pipe Fitting	7.82	
		For Bituminous Coated, Add	*2.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1434	EA	8" Coupling Band, Corrugated Metal Pipe Fitting	10.38	
		For Bituminous Coated, Add	*3.01*	
33 41 13 00-1435	EA	10" Coupling Band, Corrugated Metal Pipe Fitting	13.08	
		For Bituminous Coated, Add	*3.79*	
33 41 13 00-1436	EA	12" Coupling Band, Corrugated Metal Pipe Fitting	21.71	
		For Bituminous Coated, Add	*6.30*	
33 41 13 00-1437	EA	15" Coupling Band, Corrugated Metal Pipe Fitting	27.38	
		For Bituminous Coated, Add	*7.94*	
33 41 13 00-1438	EA	18" Coupling Band, Corrugated Metal Pipe Fitting	40.17	
		For Bituminous Coated, Add	*11.65*	
33 41 13 00-1439	EA	21" Coupling Band, Corrugated Metal Pipe Fitting	47.67	
		For Bituminous Coated, Add	*13.82*	
33 41 13 00-1440	EA	24" Coupling Band, Corrugated Metal Pipe Fitting	54.06	
		For Bituminous Coated, Add	*15.68*	
33 41 13 00-1441	EA	30" Coupling Band, Corrugated Metal Pipe Fitting	93.55	
		For Bituminous Coated, Add	*27.13*	
33 41 13 00-1442	EA	36" Coupling Band, Corrugated Metal Pipe Fitting	149.67	
		For Bituminous Coated, Add	*35.92*	
33 41 13 00-1443	EA	42" Coupling Band, Corrugated Metal Pipe Fitting	175.86	
		For Bituminous Coated, Add	*42.21*	
33 41 13 00-1444	EA	48" Coupling Band, Corrugated Metal Pipe Fitting	197.06	
		For Bituminous Coated, Add	*47.29*	
33 41 13 00-1445	EA	54" Coupling Band, Corrugated Metal Pipe Fitting	279.46	
		For Bituminous Coated, Add	*67.07*	
33 41 13 00-1446	EA	60" Coupling Band, Corrugated Metal Pipe Fitting	399.71	
		For Bituminous Coated, Add	*71.95*	
33 41 13 00-1447	EA	66" Coupling Band, Corrugated Metal Pipe Fitting	491.23	
		For Bituminous Coated, Add	*88.42*	
33 41 13 00-1448	EA	72" Coupling Band, Corrugated Metal Pipe Fitting	631.02	
		For Bituminous Coated, Add	*88.34*	
33 41 13 00-1449	EA	78" Coupling Band, Corrugated Metal Pipe Fitting	674.92	
		For Bituminous Coated, Add	*94.49*	
33 41 13 00-1450	EA	84" Coupling Band, Corrugated Metal Pipe Fitting	719.06	
		For Bituminous Coated, Add	*100.67*	
33 41 13 00-1451	EA	90" Coupling Band, Corrugated Metal Pipe Fitting	762.98	
		For Bituminous Coated, Add	*106.82*	
33 41 13 00-1452	EA	96" Coupling Band, Corrugated Metal Pipe Fitting	807.01	
		For Bituminous Coated, Add	*112.98*	
33 41 13 00-1453	EA	102" Coupling Band, Corrugated Metal Pipe Fitting	851.16	
		For Bituminous Coated, Add	*119.16*	
33 41 13 00-1454	EA	108" Coupling Band, Corrugated Metal Pipe Fitting	895.10	
		For Bituminous Coated, Add	*125.31*	
33 41 13 00-1455	EA	114" Coupling Band, Corrugated Metal Pipe Fitting	1,060.15	
		For Bituminous Coated, Add	*127.22*	
33 41 13 00-1456	EA	120" Coupling Band, Corrugated Metal Pipe Fitting	982.92	
		For Bituminous Coated, Add	*117.95*	
33 41 13 00-1457	EA	126" Coupling Band, Corrugated Metal Pipe Fitting	1,026.73	
		For Bituminous Coated, Add	*123.21*	
33 41 13 00-1458	EA	132" Coupling Band, Corrugated Metal Pipe Fitting	1,070.85	
		For Bituminous Coated, Add	*128.50*	
33 41 13 00-1459	EA	138" Coupling Band, Corrugated Metal Pipe Fitting	1,115.02	
		For Bituminous Coated, Add	*133.80*	

33 41 13 00-1460 Corrugated Metal Pipe End Sections *(33 41 13 00-0422)*

33 41 13 00-1461 Galvanized Corrugated Steel Pipe End Sections *(33 41 13 00-1460)*

33 41 13 00-1462 Type 1 Galvanized Corrugated Steel Pipe End Sections *(33 41 13 00-1461)*

Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.

33 41 13 00-1463	EA	12" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	194.35	51.58
33 41 13 00-1464	EA	15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	224.58	55.26
33 41 13 00-1465	EA	18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	261.02	58.95
33 41 13 00-1466	EA	21" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	314.64	64.47
33 41 13 00-1467	EA	24" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	348.25	70.00

33 41 13 00-1468 Type 2 Galvanized Corrugated Steel Pipe End Sections *(33 41 13 00-1461)*

Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.

33 41 13 00-1469	EA	30" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	554.38	79.21
33 41 13 00-1470	EA	36" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	714.12	92.08
33 41 13 00-1471	EA	42" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	1,089.35	107.42
33 41 13 00-1472	EA	48" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	1,329.33	122.77
33 41 13 00-1473	EA	54" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	1,584.80	153.46
33 41 13 00-1474	EA	60" 10 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	1,851.65	184.14

33 41 13 00-1475 Type 3 Or 5 Galvanized Corrugated Steel Pipe End Sections *(33 41 13 00-1461)*

Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.

33 41 13 00-1476	EA	12" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	202.50	51.58
33 41 13 00-1477	EA	15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	232.96	55.26
33 41 13 00-1478	EA	18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	273.90	58.95
33 41 13 00-1479	EA	21" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	330.10	64.47
33 41 13 00-1480	EA	24" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	365.79	70.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1481	EA	30" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	608.22	79.21
33 41 13 00-1482	EA	36" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	780.08	92.08
33 41 13 00-1483	EA	42" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	1,235.34	107.42
33 41 13 00-1484	EA	48" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	1,517.73	122.77
33 41 13 00-1485	EA	54" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	1,775.33	153.46
33 41 13 00-1486	EA	60" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	2,455.09	184.14
33 41 13 00-1487	EA	66" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	2,798.26	276.22
33 41 13 00-1488	EA	72" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	3,282.54	368.29
33 41 13 00-1489	EA	78" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	3,574.50	395.15
33 41 13 00-1490	EA	84" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	3,873.43	422.01
33 41 13 00-1491		Toe Plate Extensions For Galvanized Corrugated Steel Pipe End Section *(33 41 13 00-1461)*		
33 41 13 00-1492	EA	Toe Plate Extension For 12" Diameter Galvanized Corrugated Steel Pipe End Section	22.99	
33 41 13 00-1493	EA	Toe Plate Extension For 15" Diameter Galvanized Corrugated Steel Pipe End Section	25.45	
33 41 13 00-1494	EA	Toe Plate Extension For 18" Diameter Galvanized Corrugated Steel Pipe End Section	28.46	
33 41 13 00-1495	EA	Toe Plate Extension For 21" Diameter Galvanized Corrugated Steel Pipe End Section	30.92	
33 41 13 00-1496	EA	Toe Plate Extension For 24" Diameter Galvanized Corrugated Steel Pipe End Section	34.53	
33 41 13 00-1497	EA	Toe Plate Extension For 30" Diameter Galvanized Corrugated Steel Pipe End Section	59.21	
33 41 13 00-1498	EA	Toe Plate Extension For 36" Diameter Galvanized Corrugated Steel Pipe End Section	63.74	
33 41 13 00-1499	EA	Toe Plate Extension For 42" Diameter Galvanized Corrugated Steel Pipe End Section	86.21	
33 41 13 00-1500	EA	Toe Plate Extension For 48" Diameter Galvanized Corrugated Steel Pipe End Section	92.54	
33 41 13 00-1501	EA	Toe Plate Extension For 54" Diameter Galvanized Corrugated Steel Pipe End Section	112.63	
33 41 13 00-1502	EA	Toe Plate Extension For 60" Diameter Galvanized Corrugated Steel Pipe End Section	115.74	
33 41 13 00-1503	EA	Toe Plate Extension For 66" Diameter Galvanized Corrugated Steel Pipe End Section	124.39	
33 41 13 00-1504	EA	Toe Plate Extension For 72" Diameter Galvanized Corrugated Steel Pipe End Section	144.03	
33 41 13 00-1505	EA	Toe Plate Extension For 78" Diameter Galvanized Corrugated Steel Pipe End Section	160.89	
33 41 13 00-1506	EA	84" Diameter Galvanized Corrugated Steel Pipe End Section Toe Plate Extension	165.40	
33 41 13 00-1507		Galvanized Corrugated Steel Pipe-Arch End Sections *(33 41 13 00-1460)*		
33 41 13 00-1508		Type 1 Galvanized Corrugated Steel Pipe-Arch End Sections *(33 41 13 00-1507)*		
		Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 41 13 00-1509	EA	17" x 13" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	224.58	55.26
33 41 13 00-1510	EA	21" x 15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	261.02	58.95
33 41 13 00-1511	EA	24" x 18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	314.64	64.47
33 41 13 00-1512	EA	28" x 20" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	348.25	70.00
33 41 13 00-1513		Type 2 Galvanized Corrugated Steel Pipe-Arch End Sections *(33 41 13 00-1507)*		
		Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 41 13 00-1514	EA	17" x 13" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	217.55	55.26
33 41 13 00-1515	EA	21" x 15" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	248.01	58.95
33 41 13 00-1516	EA	24" x 18" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	277.40	64.47
33 41 13 00-1517	EA	28" x 20" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	312.69	70.00
33 41 13 00-1518	EA	35" x 24" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	453.00	79.21
33 41 13 00-1519	EA	42" x 29" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	652.29	92.08
33 41 13 00-1520	EA	49" x 33" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	1,009.21	107.42
33 41 13 00-1521	EA	57" x 38" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	1,275.92	122.77
33 41 13 00-1522		Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Sections *(33 41 13 00-1507)*		
		Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 41 13 00-1523	EA	17" x 13" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	221.12	55.26
33 41 13 00-1524	EA	21" x 15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	255.77	58.95
33 41 13 00-1525	EA	24" x 18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	289.53	64.47
33 41 13 00-1526	EA	28" x 20" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	327.07	70.00
33 41 13 00-1527	EA	35" x 24" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	477.44	79.21
33 41 13 00-1528	EA	42" x 29" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	685.63	92.08
33 41 13 00-1529	EA	49" x 33" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,062.53	107.42
33 41 13 00-1530	EA	57" x 38" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,337.29	122.77
33 41 13 00-1531	EA	64" x 43" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,610.02	153.46
33 41 13 00-1532	EA	71" x 47" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	2,113.46	184.14
33 41 13 00-1533	EA	77" x 52" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	2,953.11	276.22
33 41 13 00-1534	EA	83" x 57" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	3,280.48	368.29
33 41 13 00-1535		Toe Plate Extensions For Galvanized Corrugated Steel Pipe-Arch End Section *(33 41 13 00-1507)*		
33 41 13 00-1536	EA	Toe Plate Extension For 17" x 13" Galvanized Corrugated Steel Pipe-Arch End Section	25.45	
33 41 13 00-1537	EA	Toe Plate Extension For 21" x 15" Galvanized Corrugated Steel Pipe-Arch End Section	28.46	
33 41 13 00-1538	EA	Toe Plate Extension For 24" x 18" Galvanized Corrugated Steel Pipe-Arch End Section	30.92	
33 41 13 00-1539	EA	Toe Plate Extension For 28" x 20" Galvanized Corrugated Steel Pipe-Arch End Section	34.53	
33 41 13 00-1540	EA	Toe Plate Extension For 35" x 24" Galvanized Corrugated Steel Pipe-Arch End Section	59.21	
33 41 13 00-1541	EA	Toe Plate Extension For 42" x 29" Galvanized Corrugated Steel Pipe-Arch End Section	63.74	
33 41 13 00-1542	EA	Toe Plate Extension For 49" x 33" Galvanized Corrugated Steel Pipe-Arch End Section	86.21	
33 41 13 00-1543	EA	Toe Plate Extension For 57" x 38" Galvanized Corrugated Steel Pipe-Arch End Section	96.04	
33 41 13 00-1544	EA	Toe Plate Extension For 64" x 43" Galvanized Corrugated Steel Pipe-Arch End Section	112.63	
33 41 13 00-1545	EA	Toe Plate Extension For 71" x 47" Galvanized Corrugated Steel Pipe-Arch End Section	117.14	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1546	EA	Toe Plate Extension For 77" x 52" Galvanized Corrugated Steel Pipe-Arch End Section	135.76	
33 41 13 00-1547	EA	Toe Plate Extension For 83" x 57" Galvanized Corrugated Steel Pipe-Arch End Section	156.55	
33 41 13 00-1548		**Corrugated Aluminum Pipe End Sections** *(33 41 13 00-1460)*		
33 41 13 00-1549		**Corrugated Aluminum Pipe End Sections** *(33 41 13 00-1548)*		
33 41 13 00-1550	EA	12" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	289.04	51.58
33 41 13 00-1551	EA	15" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	332.40	55.26
33 41 13 00-1552	EA	18" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	392.97	58.95
33 41 13 00-1553	EA	21" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	485.69	64.47
33 41 13 00-1554	EA	24" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	631.94	70.00
33 41 13 00-1555	EA	30" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	943.26	79.21
33 41 13 00-1556	EA	36" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	1,275.95	92.08
33 41 13 00-1557	EA	36" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	1,585.75	92.08
33 41 13 00-1558	EA	42" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	2,021.40	107.42
33 41 13 00-1559	EA	48" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	2,881.65	122.77
33 41 13 00-1560	EA	54" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	3,193.95	153.46
33 41 13 00-1561	EA	60" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	4,302.33	184.14
33 41 13 00-1562	EA	66" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	4,880.81	276.22
33 41 13 00-1563	EA	72" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	5,713.89	368.29
33 41 13 00-1564	EA	78" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	6,239.72	395.15
33 41 13 00-1565	EA	84" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	6,584.63	422.01
33 41 13 00-1566	EA	90" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	8,995.01	460.37
33 41 13 00-1567	EA	96" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	9,956.59	498.74
33 41 13 00-1568		**Toe Plate Extensions For Corrugated Aluminum Pipe End Section** *(33 41 13 00-1548)*		
33 41 13 00-1569	EA	Toe Plate Extension For 12" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	41.41	
33 41 13 00-1570	EA	Toe Plate Extension For 15" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	43.85	
33 41 13 00-1571	EA	Toe Plate Extension For 18" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	47.41	
33 41 13 00-1572	EA	Toe Plate Extension For 21" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	53.23	
33 41 13 00-1573	EA	Toe Plate Extension For 24" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	56.56	
33 41 13 00-1574	EA	Toe Plate Extension For 30" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	73.45	
33 41 13 00-1575	EA	Toe Plate Extension For 36" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	87.73	
33 41 13 00-1576	EA	Toe Plate Extension For 36" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	92.23	
33 41 13 00-1577	EA	Toe Plate Extension For 42" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	101.12	
33 41 13 00-1578	EA	Toe Plate Extension For 48" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	114.29	
33 41 13 00-1579	EA	Toe Plate Extension For 54" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	134.86	
33 41 13 00-1580	EA	Toe Plate Extension For 60" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	185.87	
33 41 13 00-1581	EA	Toe Plate Extension For 66" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	201.48	
33 41 13 00-1582	EA	Toe Plate Extension For 72" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	257.87	
33 41 13 00-1583	EA	Toe Plate Extension For 78" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	279.38	
33 41 13 00-1584	EA	Toe Plate Extension For 84" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	297.82	
33 41 13 00-1585	EA	Toe Plate Extension For 90" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	317.11	
33 41 13 00-1586	EA	96" Diameter Corrugated Aluminum Pipe End Section, 12 And 10 Gauge Toe Plate Extension	336.71	
33 41 13 00-1587		**Corrugated Aluminum Pipe-Arch End Sections** *(33 41 13 00-1460)*		
33 41 13 00-1588		**Corrugated Aluminum Pipe-Arch End Sections** *(33 41 13 00-1587)*		
33 41 13 00-1589	EA	17" x 13" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	342.41	55.26
33 41 13 00-1590	EA	21" x 15" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	417.37	58.95
33 41 13 00-1591	EA	24" x 18" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	453.32	64.47
33 41 13 00-1592	EA	28" x 20" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	489.24	70.00
33 41 13 00-1593	EA	35" x 24" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	729.21	79.21
33 41 13 00-1594	EA	42" x 29" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	1,290.19	92.08
33 41 13 00-1595	EA	42" x 29" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	1,368.74	92.08
33 41 13 00-1596	EA	49" x 33" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	1,827.67	107.42
33 41 13 00-1597	EA	57" x 38" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	2,806.21	122.77
33 41 13 00-1598	EA	64" x 43" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	3,214.43	153.46
33 41 13 00-1599	EA	71" x 47" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	3,886.37	184.14
33 41 13 00-1600	EA	77" x 52" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	6,506.76	276.22
33 41 13 00-1601	EA	83" x 57" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	6,838.39	368.29
33 41 13 00-1602	EA	87" x 63" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	7,445.13	395.15
33 41 13 00-1603	EA	95" x 67" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	7,771.94	422.01
33 41 13 00-1604	EA	103" x 71" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	8,471.51	460.37
33 41 13 00-1605	EA	112" x 75" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	8,975.81	498.74
33 41 13 00-1606		**Toe Plate Extensions For Corrugated Aluminum Pipe-Arch End Section** *(33 41 13 00-1587)*		
33 41 13 00-1607	EA	Toe Plate Extension For 17" x 13", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	43.85	
33 41 13 00-1608	EA	Toe Plate Extension For 21" x 15", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	47.41	
33 41 13 00-1609	EA	Toe Plate Extension For 24" x 18", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	50.09	
33 41 13 00-1610	EA	Toe Plate Extension For 28" x 20", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	54.82	
33 41 13 00-1611	EA	Toe Plate Extension For 35" x 24", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	63.56	
33 41 13 00-1612	EA	Toe Plate Extension For 42" x 29", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	82.05	
33 41 13 00-1613	EA	Toe Plate Extension For 42" x 29", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	89.22	
33 41 13 00-1614	EA	Toe Plate Extension For 49" x 33", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	101.12	
33 41 13 00-1615	EA	Toe Plate Extension For 57" x 38", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	114.29	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1616	EA	Toe Plate Extension For 64" x 43", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	134.86	
33 41 13 00-1617	EA	Toe Plate Extension For 71" x 47", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	169.93	
33 41 13 00-1618	EA	Toe Plate Extension For 77" x 52", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	214.83	
33 41 13 00-1619	EA	Toe Plate Extension For 83" x 57", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	291.24	
33 41 13 00-1620	EA	Toe Plate Extension For 87" x 63", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	330.19	
33 41 13 00-1621	EA	Toe Plate Extension For 95" x 67", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	346.28	
33 41 13 00-1622	EA	Toe Plate Extension For 103" x 71", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	359.63	
33 41 13 00-1623	EA	Toe Plate Extension For 112" x 75", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	375.77	
33 41 13 00-1624		Low Slope Corrugated Steel Pipe End Sections And Accessories *(33 41 13 00-1460)*		
33 41 13 00-1625		4:1 Corrugated Steel Pipe End Sections *(33 41 13 00-1624)*		
33 41 13 00-1626	EA	15" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	395.64	55.26
33 41 13 00-1627	EA	18" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	504.89	58.95
33 41 13 00-1628	EA	21" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	615.28	64.47
33 41 13 00-1629	EA	24" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	733.38	70.00
33 41 13 00-1630		3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe End Sections *(33 41 13 00-1624)* Note: Includes nut and bolt set.		
33 41 13 00-1631	EA	3" Diameter Parallel Safety Bar For 15" 4:1 Corrugated Steel Pipe End Section	277.54	
33 41 13 00-1632	EA	3" Diameter Parallel Safety Bar For 18" 4:1 Corrugated Steel Pipe End Section	546.78	
33 41 13 00-1633	EA	3" Diameter Parallel Safety Bar For 21" 4:1 Corrugated Steel Pipe End Section	599.98	
33 41 13 00-1634	EA	3" Diameter Parallel Safety Bar For 24" 4:1 Corrugated Steel Pipe End Section	685.91	
33 41 13 00-1635		6:1 Corrugated Steel Pipe End Sections *(33 41 13 00-1624)*		
33 41 13 00-1636	EA	15" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	458.92	55.26
33 41 13 00-1637	EA	18" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	599.76	58.95
33 41 13 00-1638	EA	21" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	796.20	64.47
33 41 13 00-1639	EA	24" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	934.65	70.00
33 41 13 00-1640		3" Diameter Parallel Safety Bar For 6:1 Corrugated Steel Pipe End Sections *(33 41 13 00-1624)* Note: Includes nut and bolt set.		
33 41 13 00-1641	EA	3" Diameter Parallel Safety Bar For 15" 6:1 Corrugated Steel Pipe End Section	533.37	
33 41 13 00-1642	EA	3" Diameter Parallel Safety Bar For 18" 6:1 Corrugated Steel Pipe End Section	675.45	
33 41 13 00-1643	EA	3" Diameter Parallel Safety Bar For 21" 6:1 Corrugated Steel Pipe End Section	742.94	
33 41 13 00-1644	EA	3" Diameter Parallel Safety Bar For 24" 6:1 Corrugated Steel Pipe End Section	780.67	
33 41 13 00-1645		Toe Plate Extensions For Low Slope Corrugated Steel Pipe End Section *(33 41 13 00-1624)*		
33 41 13 00-1646	EA	Toe Plate Extension For 15" Low Slope Corrugated Steel Pipe End Section	48.53	
33 41 13 00-1647	EA	Toe Plate Extension For 18" Low Slope Corrugated Steel Pipe End Section	54.21	
33 41 13 00-1648	EA	Toe Plate Extension For 21" Low Slope Corrugated Steel Pipe End Section	58.98	
33 41 13 00-1649	EA	Toe Plate Extension For 24" Low Slope Corrugated Steel Pipe End Section	65.75	
33 41 13 00-1650		Low Slope Corrugated Steel Pipe-Arch End Sections And Accessories *(33 41 13 00-1460)*		
33 41 13 00-1651		4:1 Corrugated Steel Pipe-Arch End Section *(33 41 13 00-1650)*		
33 41 13 00-1652	EA	21" x 15" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	520.32	58.95
33 41 13 00-1653	EA	24" x 18" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	651.61	64.47
33 41 13 00-1654	EA	28" x 20" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	770.46	70.00
33 41 13 00-1655	EA	35" x 24" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	1,445.09	79.21
33 41 13 00-1656		3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe-Arch End Sections *(33 41 13 00-1650)* Note: Includes nut and bolt set.		
33 41 13 00-1657	EA	3" Diameter Parallel Safety Bar For 21" x 15" 4:1 Corrugated Steel Pipe-Arch End Section	370.12	
33 41 13 00-1658	EA	3" Diameter Parallel Safety Bar For 24" x 18" 4:1 Corrugated Steel Pipe-Arch End Section	671.67	
33 41 13 00-1659	EA	3" Diameter Parallel Safety Bar For 28" x 20" 4:1 Corrugated Steel Pipe-Arch End Section	707.80	
33 41 13 00-1660	EA	3" Diameter Parallel Safety Bar For 35" x 24" 4:1 Corrugated Steel Pipe-Arch End Section	1,040.31	
33 41 13 00-1661		Toe Plate Extensions For Low Slope Corrugated Steel Pipe-Arch End Section *(33 41 13 00-1650)*		
33 41 13 00-1662	EA	Toe Plate Extension For 21" x 15" Low Slope Corrugated Steel Pipe-Arch End Section	53.93	
33 41 13 00-1663	EA	Toe Plate Extension For 24" x 18" Low Slope Corrugated Steel Pipe-Arch End Section	61.14	
33 41 13 00-1664	EA	Toe Plate Extension For 28" x 20" Low Slope Corrugated Steel Pipe-Arch End Section	66.65	
33 41 13 00-1665	EA	Toe Plate Extension For 35" x 24" Low Slope Corrugated Steel Pipe-Arch End Section	79.60	
33 41 13 00-1666		Vitrified Clay Piping *(33 41 13)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1667		Extra Strength Vitrified Clay Piping *(33 41 13 00-1666)*		
33 41 13 00-1668		Plain Joint, Extra Strength, Vitrified Clay Piping *(33 41 13 00-1667)* Note: ASTM C700.		
33 41 13 00-1669	LF	4" Plain Joint, Extra Strength, Vitrified Clay Pipe	14.49	
		For 3' Lengths, Add	*1.08*	
		For 2' Lengths, Add	*1.44*	
		For Standard Strength, Deduct	*-0.36*	
		For >1,000, Deduct	*-0.72*	
33 41 13 00-1670	LF	6" Plain Joint, Extra Strength, Vitrified Clay Pipe	18.72	
		For 3' Lengths, Add	*1.68*	
		For 2' Lengths, Add	*2.24*	
		For Standard Strength, Deduct	*-0.56*	
		For >1,000, Deduct	*-0.94*	
33 41 13 00-1671	LF	8" Plain Joint, Extra Strength, Vitrified Clay Pipe	23.35	
		For 3' Lengths, Add	*2.40*	
		For 2' Lengths, Add	*3.20*	
		For Standard Strength, Deduct	*-0.80*	
		For >1,000, Deduct	*-1.17*	
33 41 13 00-1672	LF	10" Plain Joint, Extra Strength, Vitrified Clay Pipe	28.97	
		For 3' Lengths, Add	*3.68*	
		For 2' Lengths, Add	*4.90*	
		For Standard Strength, Deduct	*-1.23*	
		For >1,000, Deduct	*-1.45*	
33 41 13 00-1673	LF	12" Plain Joint, Extra Strength, Vitrified Clay Pipe	36.13	
		For 3' Lengths, Add	*5.19*	
		For 2' Lengths, Add	*6.92*	
		For Standard Strength, Deduct	*-1.73*	
		For >1,000, Deduct	*-1.81*	
33 41 13 00-1674	LF	15" Plain Joint, Extra Strength, Vitrified Clay Pipe	53.39	
		For 3' Lengths, Add	*9.73*	
		For 2' Lengths, Add	*12.98*	
		For Standard Strength, Deduct	*-3.24*	
		For >1,000, Deduct	*-2.67*	
33 41 13 00-1675	LF	18" Plain Joint, Extra Strength, Vitrified Clay Pipe	72.62	
		For 3' Lengths, Add	*13.95*	
		For 2' Lengths, Add	*18.60*	
		For Standard Strength, Deduct	*-4.65*	
		For >1,000, Deduct	*-3.63*	
33 41 13 00-1676	LF	21" Plain Joint, Extra Strength, Vitrified Clay Pipe	107.44	
		For 3' Lengths, Add	*22.35*	
		For 2' Lengths, Add	*29.80*	
		For Standard Strength, Deduct	*-7.45*	
		For >1,000, Deduct	*-5.37*	
33 41 13 00-1677	LF	24" Plain Joint, Extra Strength, Vitrified Clay Pipe	137.33	
		For 3' Lengths, Add	*29.20*	
		For 2' Lengths, Add	*38.93*	
		For Standard Strength, Deduct	*-9.73*	
		For >1,000, Deduct	*-6.87*	
33 41 13 00-1678	LF	30" Plain Joint, Extra Strength, Vitrified Clay Pipe	171.24	
		For 3' Lengths, Add	*36.41*	
		For 2' Lengths, Add	*48.54*	
		For Standard Strength, Deduct	*-12.14*	
		For >1,000, Deduct	*-8.56*	
33 41 13 00-1679	LF	36" Plain Joint, Extra Strength, Vitrified Clay Pipe	202.05	
		For 3' Lengths, Add	*43.98*	
		For 2' Lengths, Add	*58.64*	
		For Standard Strength, Deduct	*-14.66*	
		For >1,000, Deduct	*-10.10*	
33 41 13 00-1680		Compression Joint, Extra Strength, Vitrified Clay Piping *(33 41 13 00-1667)* Note: ASTM C425.		
33 41 13 00-1681	LF	4" Compression Joint, Extra Strength, Vitrified Clay Pipe	17.32	
		For 3' Lengths, Add	*1.28*	
		For 2' Lengths, Add	*1.70*	
		For Standard Strength, Deduct	*-0.43*	
		For >1,000, Deduct	*-0.87*	
33 41 13 00-1682	LF	6" Compression Joint, Extra Strength, Vitrified Clay Pipe	22.69	
		For 3' Lengths, Add	*2.08*	
		For 2' Lengths, Add	*2.78*	
		For Standard Strength, Deduct	*-0.69*	
		For >1,000, Deduct	*-1.13*	
33 41 13 00-1683	LF	8" Compression Joint, Extra Strength, Vitrified Clay Pipe	28.22	
		For 3' Lengths, Add	*2.94*	
		For 2' Lengths, Add	*3.92*	
		For Standard Strength, Deduct	*-0.98*	
		For >1,000, Deduct	*-1.41*	
33 41 13 00-1684	LF	10" Compression Joint, Extra Strength, Vitrified Clay Pipe	36.15	
		For 3' Lengths, Add	*4.83*	
		For 2' Lengths, Add	*6.44*	
		For Standard Strength, Deduct	*-1.61*	
		For >1,000, Deduct	*-1.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1685	LF	12" Compression Joint, Extra Strength, Vitrified Clay Pipe	43.74	
		For 3' Lengths, Add	*6.35*	
		For 2' Lengths, Add	*8.46*	
		For Standard Strength, Deduct	*-2.12*	
		For >1,000, Deduct	*-2.19*	
33 41 13 00-1686	LF	15" Compression Joint, Extra Strength, Vitrified Clay Pipe	63.70	
		For 3' Lengths, Add	*11.57*	
		For 2' Lengths, Add	*15.43*	
		For Standard Strength, Deduct	*-3.86*	
		For >1,000, Deduct	*-3.19*	
33 41 13 00-1687	LF	18" Compression Joint, Extra Strength, Vitrified Clay Pipe	87.81	
		For 3' Lengths, Add	*16.94*	
		For 2' Lengths, Add	*22.59*	
		For Standard Strength, Deduct	*-5.65*	
		For >1,000, Deduct	*-4.39*	
33 41 13 00-1688	LF	21" Compression Joint, Extra Strength, Vitrified Clay Pipe	125.45	
		For 3' Lengths, Add	*25.77*	
		For 2' Lengths, Add	*34.36*	
		For Standard Strength, Deduct	*-8.59*	
		For >1,000, Deduct	*-6.27*	
33 41 13 00-1689	LF	24" Compression Joint, Extra Strength, Vitrified Clay Pipe	163.36	
		For 3' Lengths, Add	*34.61*	
		For 2' Lengths, Add	*46.14*	
		For Standard Strength, Deduct	*-11.54*	
		For >1,000, Deduct	*-8.17*	
33 41 13 00-1690	LF	30" Compression Joint, Extra Strength, Vitrified Clay Pipe	260.52	
		For 3' Lengths, Add	*60.20*	
		For 2' Lengths, Add	*80.26*	
		For Standard Strength, Deduct	*-20.07*	
		For >1,000, Deduct	*-13.03*	
33 41 13 00-1691	LF	36" Compression Joint, Extra Strength, Vitrified Clay Pipe	362.12	
		For 3' Lengths, Add	*88.67*	
		For 2' Lengths, Add	*118.23*	
		For Standard Strength, Deduct	*-29.56*	
		For >1,000, Deduct	*-18.11*	

33 41 13 00-1692 Extra Strength, Vitrified Clay Pipe Fittings *(33 41 13 00-1666)*

33 41 13 00-1693 1/8 Bends, Extra Strength, Vitrified Clay *(33 41 13 00-1692)*

33 41 13 00-1694 Plain End 1/8 Bend, Extra Strength, Vitrified Clay *(33 41 13 00-1693)*

33 41 13 00-1695	EA	4" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	58.40
33 41 13 00-1696	EA	6" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	78.04
33 41 13 00-1697	EA	8" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	109.74
33 41 13 00-1698	EA	10" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	148.65
33 41 13 00-1699	EA	12" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	194.68
33 41 13 00-1700	EA	15" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	452.13
33 41 13 00-1701	EA	18" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	635.88
33 41 13 00-1702	EA	21" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	987.97
33 41 13 00-1703	EA	24" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	1,141.31
33 41 13 00-1704	EA	30" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	1,327.17
33 41 13 00-1705	EA	36" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	1,980.69

33 41 13 00-1706 Compression Joint 1/8 Bends, Extra Strength, Vitrified Clay *(33 41 13 00-1693)*

33 41 13 00-1707	EA	4" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	66.42
33 41 13 00-1708	EA	6" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	92.95
33 41 13 00-1709	EA	8" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	124.40
33 41 13 00-1710	EA	10" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	164.41
33 41 13 00-1711	EA	12" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	207.17
33 41 13 00-1712	EA	15" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	508.08
33 41 13 00-1713	EA	18" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	736.35
33 41 13 00-1714	EA	21" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	760.92
33 41 13 00-1715	EA	24" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	1,459.88
33 41 13 00-1716	EA	30" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	1,629.28
33 41 13 00-1717	EA	36" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	2,407.62

33 41 13 00-1718 1/4 Bends, Extra Strength, Vitrified Clay *(33 41 13 00-1692)*

33 41 13 00-1719 Plain End 1/4 Bends, Extra Strength, Vitrified Clay *(33 41 13 00-1718)*

33 41 13 00-1720	EA	4" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	69.30
33 41 13 00-1721	EA	6" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	91.16
33 41 13 00-1722	EA	8" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	125.08
33 41 13 00-1723	EA	10" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	165.36
33 41 13 00-1724	EA	12" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	213.50
33 41 13 00-1725	EA	15" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	473.08
33 41 13 00-1726	EA	18" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	662.00
33 41 13 00-1727	EA	21" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	1,020.93
33 41 13 00-1728	EA	24" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	1,181.32
33 41 13 00-1729	EA	30" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	1,377.06
33 41 13 00-1730	EA	36" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	2,036.15

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1731		**Compression Joint 1/4 Bends, Extra Strength, Vitrified Clay** *(33 41 13 00-1718)*		
33 41 13 00-1732	EA	4" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	79.49	
33 41 13 00-1733	EA	6" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	108.69	
33 41 13 00-1734	EA	8" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	142.81	
33 41 13 00-1735	EA	10" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	184.47	
33 41 13 00-1736	EA	12" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	229.77	
33 41 13 00-1737	EA	15" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	533.21	
33 41 13 00-1738	EA	18" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	767.71	
33 41 13 00-1739	EA	21" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	1,474.00	
33 41 13 00-1740	EA	24" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	1,507.90	
33 41 13 00-1741	EA	30" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	1,689.15	
33 41 13 00-1742	EA	36" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	2,474.17	
33 41 13 00-1743		**Wyes Or Tees, Extra Strength, Vitrified Clay** *(33 41 13 00-1692)*		
33 41 13 00-1744		**Plain End Wyes Or Tees, Extra Strength, Vitrified Clay** *(33 41 13 00-1743)*		
33 41 13 00-1745	EA	4" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	77.33	
33 41 13 00-1746	EA	6" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	99.96	
33 41 13 00-1747	EA	8" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	133.61	
33 41 13 00-1748	EA	10" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	173.60	
33 41 13 00-1749	EA	12" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	217.36	
33 41 13 00-1750	EA	15" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	481.50	
33 41 13 00-1751	EA	18" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	670.90	
33 41 13 00-1752	EA	21" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	964.96	
33 41 13 00-1753	EA	24" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	1,337.48	
33 41 13 00-1754	EA	30" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	1,422.44	
33 41 13 00-1755	EA	36" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	2,030.86	
33 41 13 00-1756		**Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay** *(33 41 13 00-1743)*		
33 41 13 00-1757	EA	4" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	94.26	
33 41 13 00-1758	EA	6" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	127.30	
33 41 13 00-1759	EA	8" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	165.55	
33 41 13 00-1760	EA	10" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	211.03	
33 41 13 00-1761	EA	12" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	261.06	
33 41 13 00-1762	EA	15" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	585.38	
33 41 13 00-1763	EA	18" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	839.20	
33 41 13 00-1764	EA	21" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	1,239.48	
33 41 13 00-1765	EA	24" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	1,638.15	
33 41 13 00-1766	EA	30" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	1,898.87	
33 41 13 00-1767	EA	36" Compression Joint, Extra Strength, Vitrified Clay Wye Or Tee	2,678.73	
33 41 13 00-1768		**Vitrified Clay Couplings** *(33 41 13 00-1666)*		
33 41 13 00-1769		**Vitrified Clay To Cast Iron Or Plastic Pipe Couplings** *(33 41 13 00-1768)*		
		Note: Stainless steel tightening band at each end (Fernco #1002)		
33 41 13 00-1770	EA	4" x 3" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	27.30	
33 41 13 00-1771	EA	4" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	27.02	
33 41 13 00-1772	EA	5" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	37.88	
33 41 13 00-1773	EA	5" x 5" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	35.59	
33 41 13 00-1774	EA	6" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	46.66	
33 41 13 00-1775	EA	6" x 5" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	48.66	
33 41 13 00-1776	EA	6" x 6" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	44.25	
33 41 13 00-1777	EA	8" x 6" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	65.02	
33 41 13 00-1778	EA	8" x 8" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	59.98	
33 41 13 00-1779	EA	10" x 8" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	85.64	
33 41 13 00-1780	EA	10" x 10" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	77.86	
33 41 13 00-1781	EA	12" x 10" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	106.87	
33 41 13 00-1782	EA	12" x 12" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	89.00	
33 41 13 00-1783	EA	15" x 12" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	182.26	
33 41 13 00-1784	EA	15" x 15" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	139.67	
33 41 13 00-1785		**Vitrified Clay To Vitrified Clay Pipe Non-Shear Couplings** *(33 41 13 00-1768)*		
		Note: Stainless steel tightening band at each end. (NDS Non-shear)		
33 41 13 00-1786	EA	4" x 4" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	40.49	
33 41 13 00-1787	EA	6" x 4" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	53.38	
33 41 13 00-1788	EA	6" x 6" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	56.20	
33 41 13 00-1789	EA	8" x 8" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	58.93	
33 41 13 00-1790	EA	10" x 10" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	72.05	
33 41 13 00-1791	EA	12" x 12" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	83.16	
33 41 13 00-1792		**Vitrified Clay To Plastic Pipe Non-Shear Couplings** *(33 41 13 00-1768)*		
		Note: Stainless steel tightening band at each end. (NDS Non-shear)		
33 41 13 00-1793	EA	4" x 4" Vitrified Clay To Plastic Pipe Non-Shear Coupling	41.43	
33 41 13 00-1794	EA	6" x 4" Vitrified Clay To Plastic Pipe Non-Shear Coupling	54.32	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1795	EA	6" x 6" Vitrified Clay To Plastic Pipe Non-Shear Coupling	50.11	
33 41 13 00-1796	EA	8" x 8" Vitrified Clay To Plastic Pipe Non-Shear Coupling	64.60	
33 41 13 00-1797	EA	10" x 10" Vitrified Clay To Plastic Pipe Non-Shear Coupling	91.90	
33 41 13 00-1798	EA	12" x 12" Vitrified Clay To Plastic Pipe Non-Shear Coupling	103.55	

33 42 Culverts *(33 40)*

33 42 16 Concrete Culverts *(33 42)*

33 42 16 13 Precast Concrete Culverts *(33 42 16)*

33 42 16 13-0001 Precast Reinforced Concrete Box Culvert *(33 42 16 13)*

Note: The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes excavation and backfill. Minimum length 6'-0".

33 42 16 13-0002	LF	4' x 2' Precast Reinforced Concrete Box Culvert	202.06	38.37
		For Each LF Of Cut-Off Section, Add	*8.08*	
33 42 16 13-0003	LF	4' x 3' Precast Reinforced Concrete Box Culvert	219.20	38.37
		For Each LF Of Cut-Off Section, Add	*8.77*	
33 42 16 13-0004	LF	5' x 3' Precast Reinforced Concrete Box Culvert	287.55	47.95
		For Each LF Of Cut-Off Section, Add	*11.50*	
33 42 16 13-0005	LF	5' x 4' Precast Reinforced Concrete Box Culvert	308.22	47.95
		For Each LF Of Cut-Off Section, Add	*12.33*	
33 42 16 13-0006	LF	5' x 5' Precast Reinforced Concrete Box Culvert	328.88	47.95
		For Each LF Of Cut-Off Section, Add	*13.16*	
33 42 16 13-0007	LF	6' x 3' Precast Reinforced Concrete Box Culvert	347.73	49.87
		For Each LF Of Cut-Off Section, Add	*13.91*	
33 42 16 13-0008	LF	6' x 4' Precast Reinforced Concrete Box Culvert	371.89	49.87
		For Each LF Of Cut-Off Section, Add	*14.88*	
33 42 16 13-0009	LF	6' x 6' Precast Reinforced Concrete Box Culvert	420.03	49.87
		For Each LF Of Cut-Off Section, Add	*16.80*	
33 42 16 13-0010	LF	7' x 4' Precast Reinforced Concrete Box Culvert	453.37	57.55
		For Each LF Of Cut-Off Section, Add	*18.13*	
33 42 16 13-0011	LF	7' x 6' Precast Reinforced Concrete Box Culvert	549.48	78.27
		For Each LF Of Cut-Off Section, Add	*21.98*	
33 42 16 13-0012	LF	8' x 2' Precast Reinforced Concrete Box Culvert	410.74	49.87
		For Each LF Of Cut-Off Section, Add	*16.43*	
33 42 16 13-0013	LF	8' x 3' Precast Reinforced Concrete Box Culvert	448.99	57.55
		For Each LF Of Cut-Off Section, Add	*17.96*	
33 42 16 13-0014	LF	8' x 4' Precast Reinforced Concrete Box Culvert	480.86	57.55
		For Each LF Of Cut-Off Section, Add	*19.23*	
33 42 16 13-0015	LF	8' x 5' Precast Reinforced Concrete Box Culvert	546.47	76.73
		For Each LF Of Cut-Off Section, Add	*21.86*	
33 42 16 13-0016	LF	8' x 6' Precast Reinforced Concrete Box Culvert	573.94	76.73
		For Each LF Of Cut-Off Section, Add	*22.96*	
33 42 16 13-0017	LF	8' x 8' Precast Reinforced Concrete Box Culvert	667.02	95.91
		For Each LF Of Cut-Off Section, Add	*26.68*	
33 42 16 13-0018	LF	9' x 4' Precast Reinforced Concrete Box Culvert	595.84	76.73
		For Each LF Of Cut-Off Section, Add	*23.83*	
33 42 16 13-0019	LF	9' x 6' Precast Reinforced Concrete Box Culvert	695.73	95.91
		For Each LF Of Cut-Off Section, Add	*27.83*	
33 42 16 13-0020	LF	10' x 3' Precast Reinforced Concrete Box Culvert	683.13	95.91
		For Each LF Of Cut-Off Section, Add	*27.33*	
33 42 16 13-0021	LF	10' x 4' Precast Reinforced Concrete Box Culvert	716.26	95.91
		For Each LF Of Cut-Off Section, Add	*28.65*	
33 42 16 13-0022	LF	10' x 5' Precast Reinforced Concrete Box Culvert	789.84	115.10
		For Each LF Of Cut-Off Section, Add	*31.59*	
33 42 16 13-0023	LF	10' x 6' Precast Reinforced Concrete Box Culvert	824.34	115.10
		For Each LF Of Cut-Off Section, Add	*32.97*	
33 42 16 13-0024	LF	10' x 7' Precast Reinforced Concrete Box Culvert	858.84	115.10
		For Each LF Of Cut-Off Section, Add	*34.35*	
33 42 16 13-0025	LF	10' x 8' Precast Reinforced Concrete Box Culvert	893.12	115.10
		For Each LF Of Cut-Off Section, Add	*35.72*	
33 42 16 13-0026	LF	12' x 3' Precast Reinforced Concrete Box Culvert	772.59	134.28
		For Each LF Of Cut-Off Section, Add	*30.90*	
33 42 16 13-0027	LF	12' x 4' Precast Reinforced Concrete Box Culvert	981.65	134.28
		For Each LF Of Cut-Off Section, Add	*39.27*	
33 42 16 13-0028	LF	12' x 6' Precast Reinforced Concrete Box Culvert	1,064.29	134.28
		For Each LF Of Cut-Off Section, Add	*42.57*	
33 42 16 13-0029	LF	12' x 8' Precast Reinforced Concrete Box Culvert	1,146.91	134.28
		For Each LF Of Cut-Off Section, Add	*45.88*	
33 42 16 13-0030	LF	16' x 10' Precast Reinforced Concrete Box Culvert	1,432.73	153.46
		For Each LF Of Cut-Off Section, Add	*57.31*	
33 42 16 13-0031	LF	24' x 10' Precast Reinforced Concrete Box Culvert	1,763.25	153.46
		For Each LF Of Cut-Off Section, Add	*70.53*	

33 42 16 13-0032 Precast Reinforced Concrete Box Culvert For Roadways *(33 42 16 13)*

Note: AASHTO H/20, H/25 Rated. The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes excavation and backfill. Minimum length 6'-0".

33 42 16 13-0033	LF	4' x 2' Precast Reinforced Concrete Box Culvert For Roadways	631.26	38.37
		For Each LF Of Cut-Off Section, Add	*25.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 16 13-0034	LF	4' x 3' Precast Reinforced Concrete Box Culvert For Roadways	706.88	38.37
		For Each LF Of Cut-Off Section, Add	*28.28*	
33 42 16 13-0035	LF	5' x 3' Precast Reinforced Concrete Box Culvert For Roadways	801.67	47.95
		For Each LF Of Cut-Off Section, Add	*32.07*	
33 42 16 13-0036	LF	5' x 4' Precast Reinforced Concrete Box Culvert For Roadways	877.29	47.95
		For Each LF Of Cut-Off Section, Add	*35.09*	
33 42 16 13-0037	LF	5' x 5' Precast Reinforced Concrete Box Culvert For Roadways	952.91	47.95
		For Each LF Of Cut-Off Section, Add	*38.12*	
33 42 16 13-0038	LF	6' x 3' Precast Reinforced Concrete Box Culvert For Roadways	881.13	49.87
		For Each LF Of Cut-Off Section, Add	*35.25*	
33 42 16 13-0039	LF	6' x 4' Precast Reinforced Concrete Box Culvert For Roadways	956.75	49.87
		For Each LF Of Cut-Off Section, Add	*38.27*	
33 42 16 13-0040	LF	6' x 6' Precast Reinforced Concrete Box Culvert For Roadways	1,107.99	49.87
		For Each LF Of Cut-Off Section, Add	*44.32*	
33 42 16 13-0041	LF	7' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,047.72	57.55
		For Each LF Of Cut-Off Section, Add	*41.91*	
33 42 16 13-0042	LF	7' x 6' Precast Reinforced Concrete Box Culvert For Roadways	1,240.36	78.27
		For Each LF Of Cut-Off Section, Add	*49.61*	
33 42 16 13-0043	LF	8' x 2' Precast Reinforced Concrete Box Culvert For Roadways	956.75	49.87
		For Each LF Of Cut-Off Section, Add	*38.27*	
33 42 16 13-0044	LF	8' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,047.72	57.55
		For Each LF Of Cut-Off Section, Add	*41.91*	
33 42 16 13-0045	LF	8' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,123.34	57.55
		For Each LF Of Cut-Off Section, Add	*44.93*	
33 42 16 13-0046	LF	8' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,237.30	76.73
		For Each LF Of Cut-Off Section, Add	*49.49*	
33 42 16 13-0047	LF	8' x 6' Precast Reinforced Concrete Box Culvert For Roadways	1,312.92	76.73
		For Each LF Of Cut-Off Section, Add	*52.52*	
33 42 16 13-0048	LF	8' x 8' Precast Reinforced Concrete Box Culvert For Roadways	1,502.52	95.91
		For Each LF Of Cut-Off Section, Add	*60.10*	
33 42 16 13-0049	LF	9' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,325.30	76.73
		For Each LF Of Cut-Off Section, Add	*53.01*	
33 42 16 13-0050	LF	9' x 6' Precast Reinforced Concrete Box Culvert For Roadways	1,525.28	95.91
		For Each LF Of Cut-Off Section, Add	*61.01*	
33 42 16 13-0051	LF	10' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,508.83	95.91
		For Each LF Of Cut-Off Section, Add	*60.35*	
33 42 16 13-0052	LF	10' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,598.62	95.91
		For Each LF Of Cut-Off Section, Add	*63.94*	
33 42 16 13-0053	LF	10' x 5' Precast Reinforced Concrete Box Culvert For Roadways	1,726.77	115.10
		For Each LF Of Cut-Off Section, Add	*69.07*	
33 42 16 13-0054	LF	10' x 6' Precast Reinforced Concrete Box Culvert For Roadways	1,816.57	115.10
		For Each LF Of Cut-Off Section, Add	*72.66*	
33 42 16 13-0055	LF	10' x 7' Precast Reinforced Concrete Box Culvert For Roadways	1,906.37	115.10
		For Each LF Of Cut-Off Section, Add	*76.25*	
33 42 16 13-0056	LF	10' x 8' Precast Reinforced Concrete Box Culvert For Roadways	1,996.17	115.10
		For Each LF Of Cut-Off Section, Add	*79.85*	
33 42 16 13-0057	LF	12' x 3' Precast Reinforced Concrete Box Culvert For Roadways	2,003.98	134.28
		For Each LF Of Cut-Off Section, Add	*80.16*	
33 42 16 13-0058	LF	12' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,106.05	134.28
		For Each LF Of Cut-Off Section, Add	*84.24*	
33 42 16 13-0059	LF	12' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,310.22	134.28
		For Each LF Of Cut-Off Section, Add	*92.41*	
33 42 16 13-0060	LF	12' x 8' Precast Reinforced Concrete Box Culvert For Roadways	2,514.39	134.28
		For Each LF Of Cut-Off Section, Add	*100.58*	
33 42 16 13-0061	LF	16' x 10' Precast Reinforced Concrete Box Culvert For Roadways	3,006.45	153.46
		For Each LF Of Cut-Off Section, Add	*120.26*	
33 42 16 13-0062	LF	24' x 10' Precast Reinforced Concrete Box Culvert For Roadways	3,777.75	153.46
		For Each LF Of Cut-Off Section, Add	*151.11*	

33 44 Storm Utility Water Drains *(33 40)*

33 44 13 Utility Area Drains *(33 44)*

33 44 13 13 Catchbasins *(33 44 13)*

33 44 13 13-0001 Storm Drains *(33 44 13 13)*
See CSI section 33 39 13 00-0001 for manhole structures.

33 44 13 13-0002 Catch Basins And Inlet Basins *(33 44 13 13-0001)*
Note: Includes base slab, opening and grout. Excludes frame, grate, excavation and backfill.

33 44 13 13-0003 Cast In Place, Grate Drop Inlet Basins *(33 44 13 13-0002)*
Note: Inside dimensions.

33 44 13 13-0004 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basins *(33 44 13 13-0003)*

33 44 13 13-0005	EA	2' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,284.29	242.14
33 44 13 13-0006	EA	3' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,532.46	283.71
33 44 13 13-0007	EA	4' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,780.65	325.21
33 44 13 13-0008	EA	5' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,028.84	366.78
33 44 13 13-0009	EA	6' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,277.02	408.28

33 44 13 13-0010 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basins *(33 44 13 13-0003)*

33 44 13 13-0011	EA	2' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,635.67	240.68

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 44 13 13-0012	EA	3' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,027.79	320.90
	33 44 13 13-0013	EA	4' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,594.76	437.60
	33 44 13 13-0014	EA	5' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,156.09	510.54
	33 44 13 13-0015	EA	6' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,606.22	583.47
33 44 13 13-0016			4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basins *(33 44 13 13-0003)*		
	33 44 13 13-0017	EA	2' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,757.22	262.56
	33 44 13 13-0018	EA	3' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,433.59	364.67
	33 44 13 13-0019	EA	4' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,980.01	474.07
	33 44 13 13-0020	EA	5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,441.47	547.01
	33 44 13 13-0021	EA	6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	4,366.59	700.16
33 44 13 13-0022			Cast In Place, Catch Basin *(33 44 13 13-0002)*		
			Note: Inside span, overall depth.		
33 44 13 13-0023			3' x 3', Cast In Place, Catch Basins *(33 44 13 13-0022)*		
	33 44 13 13-0024	EA	3' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	1,576.97	292.76
	33 44 13 13-0025	EA	3'-6" Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	1,673.35	311.28
	33 44 13 13-0026	EA	4' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	1,822.29	334.33
	33 44 13 13-0027	EA	4'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,051.03	370.07
	33 44 13 13-0028	EA	5' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,206.74	393.92
	33 44 13 13-0029	EA	5'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,312.00	413.10
	33 44 13 13-0030	EA	6' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,467.86	436.95
	33 44 13 13-0031	EA	6'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,570.84	456.20
	33 44 13 13-0032	EA	7' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,727.68	479.98
	33 44 13 13-0033	EA	7'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,831.95	499.24
	33 44 13 13-0034	EA	8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,987.73	523.08
	33 44 13 13-0035	VLF	>8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	373.48	65.35
33 44 13 13-0036			3'-6" x 3'-6", Cast In Place, Catch Basins *(33 44 13 13-0022)*		
	33 44 13 13-0037	EA	3' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	1,816.85	338.41
	33 44 13 13-0038	EA	3'-6" Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	1,938.96	362.19
	33 44 13 13-0039	EA	4' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,094.41	386.04
	33 44 13 13-0040	EA	4'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	2,361.56	427.53
	33 44 13 13-0041	EA	5' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	2,533.52	454.52
	33 44 13 13-0042	EA	5'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	2,654.93	476.91
	33 44 13 13-0043	EA	6' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	2,829.03	503.90
	33 44 13 13-0044	EA	6'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	2,950.42	526.29
	33 44 13 13-0045	EA	7' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,123.33	553.27
	33 44 13 13-0046	EA	7'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,244.93	575.67
	33 44 13 13-0047	EA	8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,417.91	602.65
	33 44 13 13-0048	VLF	>8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	427.25	75.34
33 44 13 13-0049			4' x 4', Cast In Place, Catch Basins *(33 44 13 13-0022)*		
	33 44 13 13-0050	EA	3' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	2,073.57	387.13
	33 44 13 13-0051	EA	3'-6" Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	2,202.17	411.71
	33 44 13 13-0052	EA	4' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	2,382.37	440.81
	33 44 13 13-0053	EA	4'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	2,688.36	488.14
	33 44 13 13-0054	EA	5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	2,878.67	518.26
	33 44 13 13-0055	EA	5'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	3,017.32	543.87
	33 44 13 13-0056	EA	6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	3,207.64	573.99
	33 44 13 13-0057	EA	6'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	3,346.08	599.59
	33 44 13 13-0058	EA	7' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	3,536.39	629.71
	33 44 13 13-0059	EA	7'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	3,675.05	655.31
	33 44 13 13-0060	EA	8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	3,865.36	685.50
	33 44 13 13-0061	VLF	>8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	483.14	85.69
33 44 13 13-0062			4'-6" x 4'-6", Cast In Place, Catch Basins *(33 44 13 13-0022)*		
	33 44 13 13-0063	EA	3' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,396.30	448.91
	33 44 13 13-0064	EA	3'-6" Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,546.14	474.28
	33 44 13 13-0065	EA	4' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,746.42	507.11
	33 44 13 13-0066	EA	4'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,095.37	560.94
	33 44 13 13-0067	EA	5' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,307.43	594.92
	33 44 13 13-0068	EA	5'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,467.89	624.32
	33 44 13 13-0069	EA	6' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,680.16	658.30
	33 44 13 13-0070	EA	6'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,840.63	687.77
	33 44 13 13-0071	EA	7' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,052.68	721.75
	33 44 13 13-0072	EA	7'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,212.16	751.15
	33 44 13 13-0073	EA	8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,425.42	785.13
	33 44 13 13-0074	VLF	>8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	553.21	98.17
33 44 13 13-0075			5' x 5', Cast In Place, Catch Basins *(33 44 13 13-0022)*		
	33 44 13 13-0076	EA	4' Deep, 5' x 5' x 6" Thick Wall, Cast In Place, Catch Basin	3,077.49	569.39
	33 44 13 13-0077	EA	4'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	3,466.07	629.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 13 13-0078	EA	5' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	3,696.75	666.47
33 44 13 13-0079	EA	5'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	3,874.85	699.14
33 44 13 13-0080	EA	6' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	4,103.33	736.34
33 44 13 13-0081	EA	6'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	4,282.43	769.01
33 44 13 13-0082	EA	7' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	4,512.10	806.28
33 44 13 13-0083	EA	7'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	4,689.00	838.95
33 44 13 13-0084	EA	8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	4,919.68	876.15
33 44 13 13-0085	VLF	>8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	819.24	109.54
33 44 13 13-0086		**5'-6" x 5'-6", Cast In Place, Catch Basins** *(33 44 13 13-0022)*		
33 44 13 13-0087	EA	4' Deep, 5'-6" x 5'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,424.55	634.96
33 44 13 13-0088	EA	4'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,978.93	718.77
33 44 13 13-0089	EA	5' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,234.90	760.19
33 44 13 13-0090	EA	5'-6" Deep, 5'-6" x 5' x 8" Thick Wall, Cast In Place, Catch Basin	4,438.29	797.31
33 44 13 13-0091	EA	6' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,695.46	839.02
33 44 13 13-0092	EA	6'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,899.85	876.15
33 44 13 13-0093	EA	7' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,155.80	917.87
33 44 13 13-0094	EA	7'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,359.20	955.00
33 44 13 13-0095	EA	8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,615.15	996.71
33 44 13 13-0096	VLF	>8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	701.90	124.57
33 44 13 13-0097		**6' x 6', Cast In Place, Catch Basins** *(33 44 13 13-0022)*		
33 44 13 13-0098	EA	4' Deep, 6' x 6' x 6" Thick Wall, Cast In Place, Catch Basin	3,789.95	703.59
33 44 13 13-0099	EA	4'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	4,400.77	795.56
33 44 13 13-0100	EA	5' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	4,675.80	840.63
33 44 13 13-0101	EA	5'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	4,898.04	881.11
33 44 13 13-0102	EA	6' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	5,172.07	926.18
33 44 13 13-0103	EA	6'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	5,395.52	966.66
33 44 13 13-0104	EA	7' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	5,669.34	1,011.73
33 44 13 13-0105	EA	7'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	5,891.78	1,052.22
33 44 13 13-0106	EA	8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	6,166.81	1,097.29
33 44 13 13-0107	VLF	>8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	770.89	137.18
33 44 13 13-0108		**6'-6" x 6'-6", Cast In Place, Catch Basins** *(33 44 13 13-0022)*		
33 44 13 13-0109	EA	4' Deep, 6'-6" x 6'-6" x 6" Thick Wall, Cast In Place, Catch Basin	4,171.47	775.50
33 44 13 13-0110	EA	4'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,999.07	898.47
33 44 13 13-0111	EA	5' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,301.76	948.35
33 44 13 13-0112	EA	5'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,552.80	993.65
33 44 13 13-0113	EA	6' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,855.49	1,043.46
33 44 13 13-0114	EA	6'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,106.53	1,088.82
33 44 13 13-0115	EA	7' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,409.23	1,138.64
33 44 13 13-0116	EA	7'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,660.27	1,183.93
33 44 13 13-0117	EA	8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,964.17	1,233.82
33 44 13 13-0118	VLF	>8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	870.49	154.26
33 44 13 13-0119		**7' x 7', Cast In Place, Catch Basins** *(33 44 13 13-0022)*		
33 44 13 13-0120	EA	4' Deep, 7' x 7' x 6" Thick Wall, Cast In Place, Catch Basin	4,570.26	850.55
33 44 13 13-0121	EA	4'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	5,475.76	984.75
33 44 13 13-0122	EA	5' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	5,797.96	1,038.14
33 44 13 13-0123	EA	5'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	6,067.36	1,086.86
33 44 13 13-0124	EA	6' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	6,390.48	1,140.17
33 44 13 13-0125	EA	6'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	6,659.89	1,188.96
33 44 13 13-0126	EA	7' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	6,982.08	1,242.28
33 44 13 13-0127	EA	7'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	7,252.48	1,291.08
33 44 13 13-0128	EA	8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	7,574.61	1,344.39
33 44 13 13-0129	VLF	>8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	946.86	168.04
33 44 13 13-0130		**7'-6" x 7'-6", Cast In Place, Catch Basins** *(33 44 13 13-0022)*		
33 44 13 13-0131	EA	4' Deep, 7'-6" x 7'-6" x 6" Thick Wall, Cast In Place, Catch Basin	5,167.24	954.63
33 44 13 13-0132	EA	4'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,972.04	1,074.53
33 44 13 13-0133	EA	5' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,312.53	1,131.35
33 44 13 13-0134	EA	5'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,602.42	1,183.57
33 44 13 13-0135	EA	6' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,943.85	1,240.38
33 44 13 13-0136	EA	6'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,233.74	1,292.60
33 44 13 13-0137	EA	7' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,574.22	1,349.42
33 44 13 13-0138	EA	7'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,864.13	1,401.64
33 44 13 13-0139	EA	8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,205.61	1,458.46
33 44 13 13-0140	VLF	>8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	1,025.67	182.34
33 44 13 13-0141		**8' x 8', Cast In Place, Catch Basins** *(33 44 13 13-0022)*		
33 44 13 13-0142	EA	4' Deep, 8' x 8' x 6" Thick Wall, Cast In Place, Catch Basin	5,617.68	1,038.65
33 44 13 13-0143	EA	4'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	6,486.53	1,167.81
33 44 13 13-0144	EA	5' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	6,846.37	1,228.06
33 44 13 13-0145	EA	5'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	7,155.78	1,283.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 13 13-0146	EA	6' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	7,515.55	1,344.02
33 44 13 13-0147	EA	6'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	7,822.97	1,399.74
33 44 13 13-0148	EA	7' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	8,184.72	1,459.99
33 44 13 13-0149	EA	7'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	8,494.13	1,515.71
33 44 13 13-0150	EA	8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	8,847.42	1,575.95
33 44 13 13-0151	VLF	>8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	1,106.74	196.99
33 44 13 13-0152		**Precast Concrete Catch Basins** *(33 44 13 13-0002)*		
		Note: Inside dimensions.		
33 44 13 13-0153		**1'-6" Diameter Precast Catch Basins** *(33 44 13 13-0152)*		
33 44 13 13-0154	EA	4' Deep, 1'-6" Diameter Precast Catch Basins	496.97	156.34
33 44 13 13-0155	EA	6' Deep, 1'-6" Diameter Precast Catch Basins	692.54	234.52
33 44 13 13-0156	EA	8' Deep, 1'-6" Diameter Precast Catch Basins	878.65	304.87
33 44 13 13-0157	EA	10' Deep, 1'-6" Diameter Precast Catch Basins	1,051.74	360.37
33 44 13 13-0158	EA	12' Deep, 1'-6" Diameter Precast Catch Basins	1,296.25	457.31
33 44 13 13-0159	EA	14' Deep, 1'-6" Diameter Precast Catch Basins	1,483.27	527.66
33 44 13 13-0160	VLF	Vertical Linear Foot Over 14' Deep, 1'-6" Diameter Precast Catch Basins	103.41	35.18
33 44 13 13-0161		**2' Diameter Precast Catch Basins** *(33 44 13 13-0152)*		
33 44 13 13-0162	EA	4' Deep, 2' Diameter Precast Catch Basin	565.99	173.93
33 44 13 13-0163	EA	6' Deep, 2' Diameter Precast Catch Basin	784.38	257.96
33 44 13 13-0164	EA	8' Deep, 2' Diameter Precast Catch Basin	991.24	340.04
33 44 13 13-0165	EA	10' Deep, 2' Diameter Precast Catch Basin	1,182.65	396.72
33 44 13 13-0166	EA	12' Deep, 2' Diameter Precast Catch Basin	1,466.56	508.11
33 44 13 13-0167	EA	14' Deep, 2' Diameter Precast Catch Basin	1,676.02	586.29
33 44 13 13-0168	VLF	Vertical Linear Foot Over 14' Deep, 2' Diameter Precast Catch Basin	116.88	42.21
33 44 13 13-0169		**3' Diameter Precast Catch Basins** *(33 44 13 13-0152)*		
33 44 13 13-0170	EA	4' Deep, 3' Diameter Precast Catch Basin	745.01	205.20
33 44 13 13-0171	EA	6' Deep, 3' Diameter Precast Catch Basin	1,018.66	303.30
33 44 13 13-0172	EA	8' Deep, 3' Diameter Precast Catch Basin	1,281.35	400.63
33 44 13 13-0173	EA	10' Deep, 3' Diameter Precast Catch Basin	1,595.79	500.30
33 44 13 13-0174	EA	12' Deep, 3' Diameter Precast Catch Basin	1,885.57	596.44
33 44 13 13-0175	EA	14' Deep, 3' Diameter Precast Catch Basin	2,165.60	694.16
33 44 13 13-0176	VLF	Vertical Linear Foot Over 14' Deep, 3' Diameter Precast Catch Basin	149.12	49.58
33 44 13 13-0177		**4' Diameter Precast Catch Basins** *(33 44 13 13-0152)*		
33 44 13 13-0178	EA	4' Deep, 4' Diameter Precast Catch Basin	899.69	228.27
33 44 13 13-0179	EA	6' Deep, 4' Diameter Precast Catch Basin	1,171.36	312.68
33 44 13 13-0180	EA	8' Deep, 4' Diameter Precast Catch Basin	1,572.53	469.02
33 44 13 13-0181	EA	10' Deep, 4' Diameter Precast Catch Basin	1,962.35	586.29
33 44 13 13-0182	EA	12' Deep, 4' Diameter Precast Catch Basin	2,320.43	703.54
33 44 13 13-0183	EA	14' Deep, 4' Diameter Precast Catch Basin	2,667.67	820.80
33 44 13 13-0184	VLF	Vertical Linear Foot Over 14' Deep, 4' Diameter Precast Catch Basin	183.25	58.63
33 44 13 13-0185		**5' Diameter Precast Catch Basins** *(33 44 13 13-0152)*		
33 44 13 13-0186	EA	4' Deep, 5' Diameter Precast Catch Basin	1,211.61	312.68
33 44 13 13-0187	EA	6' Deep, 5' Diameter Precast Catch Basin	1,661.98	469.02
33 44 13 13-0188	EA	8' Deep, 5' Diameter Precast Catch Basin	2,114.64	625.37
33 44 13 13-0189	EA	10' Deep, 5' Diameter Precast Catch Basin	2,587.23	781.71
33 44 13 13-0190	EA	12' Deep, 5' Diameter Precast Catch Basin	3,053.20	938.06
33 44 13 13-0191	EA	14' Deep, 5' Diameter Precast Catch Basin	3,554.16	1,094.40
33 44 13 13-0192	VLF	Vertical Linear Foot Over 14' Deep, 5' Diameter Precast Catch Basin	243.84	78.18
33 44 13 13-0193		**6' Diameter Precast Catch Basins** *(33 44 13 13-0152)*		
33 44 13 13-0194	EA	4' Deep, 6' Diameter Precast Catch Basin	1,773.78	469.02
33 44 13 13-0195	EA	6' Deep, 6' Diameter Precast Catch Basin	2,409.87	703.54
33 44 13 13-0196	EA	8' Deep, 6' Diameter Precast Catch Basin	3,089.39	938.06
33 44 13 13-0197	EA	10' Deep, 6' Diameter Precast Catch Basin	3,850.56	1,172.57
33 44 13 13-0198	EA	12' Deep, 6' Diameter Precast Catch Basin	4,589.37	1,407.08
33 44 13 13-0199	EA	14' Deep, 6' Diameter Precast Catch Basin	5,311.93	1,641.59
33 44 13 13-0200	VLF	Vertical Linear Foot Over 14' Deep, 6' Diameter Precast Catch Basin	363.52	117.25
33 44 13 13-0201		**Precast Catch Basins Accessories** *(33 44 13 13-0152)*		
33 44 13 13-0202	EA	Single Or Double Wing Slab Top With Throat	1,088.10	508.11
33 44 13 13-0203	EA	4' x 4' Weir Box, Precast Catch Basin	486.40	62.53
33 44 13 13-0204	EA	4' Diameter Inlet Round To Square Adapter, Precast Catch Basin	276.05	66.45
33 44 13 13-0205	EA	3' Diameter, Up To 6" High, Precast Extension Ring	345.30	97.71
		For Each Additional Inch In Height, Add	*41.25*	
33 44 13 13-0206	EA	4' Diameter, Up To 6" High, Precast Extension Ring	407.48	117.25
		For Each Additional Inch In Height, Add	*48.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 13 13-0207	EA	5' Diameter, Up To 6" High, Precast Extension Ring	475.25	136.80
		For Each Additional Inch In Height, Add	*56.43*	
33 44 13 13-0208	EA	6' Diameter, Up To 6" High, Precast Extension Ring	596.90	195.43
		For Each Additional Inch In Height, Add	*66.94*	
33 44 13 13-0209	EA	Adjust Existing Catch Basin Inlet Grate To Match Grade	469.00	
33 44 13 13-0210		Catch Basin Risers *(33 44 13 13-0152)*		
33 44 13 13-0211	EA	Up To 860 Square Inch, Up to 2" Rise, Catch Basin Riser	284.24	
33 44 13 13-0212	EA	>860 To 1140 Square Inch, Up To 2" Rise, Catch Basin Riser	317.09	
33 44 13 13-0213	EA	>1140 Square Inch, Up To 2" Rise, Catch Basin Riser	356.13	
33 44 13 13-0214	EA	Up To 860 Square Inch, >2" To 3" Rise, Catch Basin Riser	305.97	
33 44 13 13-0215	EA	>860 To 1140 Square Inch, >2" To 3" Rise, Catch Basin Riser	341.02	
33 44 13 13-0216	EA	>1140 Square Inch, >2" To 3" Rise, Catch Basin Riser	384.29	
33 44 13 13-0217	EA	Up To 860 Square Inch, >3" To 4" Rise, Catch Basin Riser	338.35	
33 44 13 13-0218	EA	>860 To 1140 Square Inch, >3" To 4" Rise, Catch Basin Riser	369.49	
33 44 13 13-0219	EA	>1140 Square Inch, >3" To 4" Rise, Catch Basin Riser	412.91	
33 44 13 13-0220		Headwalls *(33 44 13 13-0001)*		
		Note: Excludes excavation and backfill. Select pipe with closest opening area for square or round culverts.		
33 44 13 13-0221		Cast In Place Concrete Headwalls *(33 44 13 13-0220)*		
33 44 13 13-0222		Skewed Wingwall, Cast In Place Concrete Headwall *(33 44 13 13-0221)*		
		Note: Sized by pipe diameter.		
33 44 13 13-0223	EA	12" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	980.02	492.30
33 44 13 13-0224	EA	15" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	1,238.70	525.13
33 44 13 13-0225	EA	18" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	1,609.89	687.84
33 44 13 13-0226	EA	24" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	2,483.83	984.61
33 44 13 13-0227	EA	30" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	3,436.91	1,312.80
33 44 13 13-0228	EA	36" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	4,338.24	1,730.43
33 44 13 13-0229	EA	42" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	6,047.03	2,386.91
33 44 13 13-0230	EA	48" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	7,182.85	2,813.13
33 44 13 13-0231	EA	54" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	8,650.36	3,424.75
33 44 13 13-0232	EA	60" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	10,404.99	4,145.69
33 44 13 13-0233		Precast Concrete Headwalls *(33 44 13 13-0220)*		
33 44 13 13-0234	EA	12" Pipe, Precast Concrete Headwall	488.88	132.64
33 44 13 13-0235	EA	15" Pipe, Precast Concrete Headwall	510.99	140.01
33 44 13 13-0236	EA	18" Pipe, Precast Concrete Headwall	564.60	159.17
33 44 13 13-0237	EA	24" Pipe, Precast Concrete Headwall	620.44	169.48
33 44 13 13-0238	EA	30" Pipe, Precast Concrete Headwall	801.61	198.96
33 44 13 13-0239	EA	36" Pipe, Precast Concrete Headwall	908.84	206.33
33 44 13 13-0240	EA	42" Pipe, Precast Concrete Headwall	1,157.87	236.78
33 44 13 13-0241	EA	48" Pipe, Precast Concrete Headwall	1,271.00	260.87
33 44 13 13-0242	EA	54" Pipe, Precast Concrete Headwall	1,396.61	276.22
33 44 13 13-0243	EA	60" Pipe, Precast Concrete Headwall	1,573.51	276.22
33 44 13 13-0244	EA	72" Pipe, Precast Concrete Headwall	1,865.94	345.28
33 44 13 13-0245	EA	84" Pipe, Precast Concrete Headwall	2,584.06	414.33
33 44 13 13-0246		Precast Concrete Wingwalls *(33 44 13 13-0220)*		
33 44 13 13-0247	EA	18" ID Pipe (26" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	3,119.85	1,367.29
33 44 13 13-0248	EA	24" ID Pipe (32" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	3,350.04	1,519.22
33 44 13 13-0249	EA	30" ID Pipe (42" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	3,733.67	1,772.42
33 44 13 13-0250	EA	33" ID Pipe (46" Hole) Precast Concrete Wingwall Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.	4,117.31	2,025.62
33 44 13 13-0251	EA	36" ID Pipe (50" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	4,117.31	2,025.62
33 44 13 13-0252	EA	44" ID Pipe (58" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	4,270.77	2,126.90
33 44 13 13-0253	EA	48" ID Pipe (62" Hole) Precast Concrete Wingwall Note: 12" thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	6,422.07	2,177.54
33 44 13 13-0254	EA	52" ID Pipe (66" Hole) Precast Concrete Wingwall Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.	6,652.25	2,329.47
33 44 13 13-0255		Precast Concrete Transverse Drainage Interceptor *(33 44 13 13-0220)*		
33 44 13 13-0256	EA	34" x 48" x 28" Precast Concrete Transverse Drainage Interceptor With Frame And Grate	2,516.50	537.09
33 44 13 13-0257		Catch Basin Frames And Covers *(33 44 13 13-0001)*		
33 44 13 13-0258		Cast Iron Frames And Covers *(33 44 13 13-0257)*		
33 44 13 13-0259	EA	18" Diameter Cast Iron Catch Basin Frame And Cover	396.86	78.18
33 44 13 13-0260	EA	22" Diameter Cast Iron Catch Basin Frame And Cover	493.72	88.33
33 44 13 13-0261	EA	24" Diameter Cast Iron Catch Basin Frame And Cover	551.83	91.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 13 13-0262	EA	26" Diameter Cast Iron Catch Basin Frame And Cover	619.08	106.31
33 44 13 13-0263	EA	28" Diameter Cast Iron Catch Basin Frame And Cover	716.62	121.17
33 44 13 13-0264	EA	32" Diameter Cast Iron Catch Basin Frame And Cover	1,109.27	126.64
33 44 13 13-0265	EA	16" x 16" Cast Iron Catch Basin Frame And Cover	614.06	96.15
33 44 13 13-0266	EA	18" x 24" Cast Iron Catch Basin Frame And Cover	790.09	111.00
33 44 13 13-0267	EA	20" x 27" Cast Iron Catch Basin Frame And Cover	886.55	115.69
33 44 13 13-0268	EA	23" x 23" Cast Iron Catch Basin Frame And Cover	842.21	115.69
33 44 13 13-0269	EA	24" x 24" Cast Iron Catch Basin Frame And Cover	871.14	120.38
33 44 13 13-0270	EA	26" x 26" Cast Iron Catch Basin Frame And Cover	932.60	125.07
33 44 13 13-0271	EA	24" x 36" Cast Iron Catch Basin Frame And Cover	1,109.97	134.46
33 44 13 13-0272		Curb Inlet Frames And Covers *(33 44 13 13-0001)*		
33 44 13 13-0273		Cast Iron Curb Inlet Frames And Covers *(33 44 13 13-0272)*		
33 44 13 13-0274	EA	20" x 22" Cast Iron Curb Inlet Frame And Cover	755.26	91.46
33 44 13 13-0275	EA	22" x 24" Cast Iron Curb Inlet Frame And Cover	809.17	106.31
33 44 13 13-0276	EA	24" x 24" Cast Iron Curb Inlet Frame And Cover	838.22	106.31
33 44 13 13-0277	EA	27" x 27" Cast Iron Curb Inlet Frame And Cover	918.33	125.07
33 44 13 13-0278	EA	36" x 24" Cast Iron Curb Inlet Frame And Cover	912.83	133.67
33 44 13 13-0279		Area Yard Drain *(33 44 13 13-0001)*		
		See CSI section 22 14 26 16-0001 for drains.		
33 44 13 13-0280		Ductile Iron Grates *(33 44 13 13-0279)*		
		Note: Not for traffic loading.		
33 44 13 13-0281	EA	8" Diameter Ductile Iron Grate Adapter Necks Down To 4" and 6" Diameter Pipe	96.59	27.50
33 44 13 13-0282	EA	10" Diameter Ductile Iron Grate Adapters To 4", 6", or 8" Diameter Pipe	115.56	29.33
33 44 13 13-0283	EA	12" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe	248.36	36.67
33 44 13 13-0284	EA	15" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe	296.88	44.00
33 44 13 13-0285		CALTRAN Concrete Drainage Inlet Structures *(33 44 13 13-0001)*		
33 44 13 13-0286		Type OS Concrete Drainage Inlet Structure *(33 44 13 13-0285)*		
33 44 13 13-0287	EA	3' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	1,902.36	
33 44 13 13-0288	EA	4' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	2,210.43	
33 44 13 13-0289	EA	5' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	2,496.57	
33 44 13 13-0290	EA	6' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	2,760.78	
33 44 13 13-0291	EA	7' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	3,003.09	
33 44 13 13-0292	EA	8' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	3,223.46	
33 44 13 13-0293	EA	8' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	4,386.21	
33 44 13 13-0294	EA	10' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	5,113.82	
33 44 13 13-0295	EA	12' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	5,785.57	
33 44 13 13-0296	EA	14' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	6,403.04	
33 44 13 13-0297	EA	16' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	6,997.75	
33 44 13 13-0298	EA	18' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	7,544.82	
33 44 13 13-0299	EA	20' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	8,044.22	
33 44 13 13-0300		Type OL-7 Concrete Drainage Inlet Structure *(33 44 13 13-0285)*		
33 44 13 13-0301	EA	3' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,590.47	
33 44 13 13-0302	EA	4' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,878.49	
33 44 13 13-0303	EA	5' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,144.58	
33 44 13 13-0304	EA	6' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,388.77	
33 44 13 13-0305	EA	7' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,610.25	
33 44 13 13-0306	EA	8' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,810.58	
33 44 13 13-0307	EA	8' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,938.80	
33 44 13 13-0308	EA	10' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,649.43	
33 44 13 13-0309	EA	12' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,304.21	
33 44 13 13-0310	EA	14' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,903.93	
33 44 13 13-0311	EA	16' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,483.97	
33 44 13 13-0312	EA	18' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,016.36	
33 44 13 13-0313	EA	20' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,501.11	
33 44 13 13-0314		Type OL-10 Concrete Drainage Inlet Structure *(33 44 13 13-0285)*		
33 44 13 13-0315	EA	3' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,224.59	
33 44 13 13-0316	EA	4' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,494.31	
33 44 13 13-0317	EA	5' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,741.33	
33 44 13 13-0318	EA	6' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,967.22	
33 44 13 13-0319	EA	7' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,170.41	
33 44 13 13-0320	EA	8' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,351.67	
33 44 13 13-0321	EA	8' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,491.38	
33 44 13 13-0322	EA	10' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,184.28	
33 44 13 13-0323	EA	12' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,822.86	
33 44 13 13-0324	EA	14' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,405.60	
33 44 13 13-0325	EA	16' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,970.19	
33 44 13 13-0326	EA	18' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,487.91	
33 44 13 13-0327	EA	20' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,957.20	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 13 13-0328		**Type OL-14 Concrete Drainage Inlet Structure** *(33 44 13 13-0285)*		
33 44 13 13-0329	EA	3' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,128.55	
33 44 13 13-0330	EA	4' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,371.28	
33 44 13 13-0331	EA	5' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,592.09	
33 44 13 13-0332	EA	6' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,790.97	
33 44 13 13-0333	EA	7' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,967.95	
33 44 13 13-0334	EA	8' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,122.99	
33 44 13 13-0335	EA	8' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,274.24	
33 44 13 13-0336	EA	10' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,943.00	
33 44 13 13-0337	EA	12' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,556.70	
33 44 13 13-0338	EA	14' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,115.33	
33 44 13 13-0339	EA	16' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,659.86	
33 44 13 13-0340	EA	18' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,155.93	
33 44 13 13-0341	EA	20' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,604.38	
33 44 13 13-0342		**Type OL-21 Concrete Drainage Inlet Structure** *(33 44 13 13-0285)*		
33 44 13 13-0343	EA	3' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,963.46	
33 44 13 13-0344	EA	4' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,152.50	
33 44 13 13-0345	EA	5' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,319.62	
33 44 13 13-0346	EA	6' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,464.82	
33 44 13 13-0347	EA	7' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,587.31	
33 44 13 13-0348	EA	8' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,688.68	
33 44 13 13-0349	EA	8' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,805.38	
33 44 13 13-0350	EA	10' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,426.64	
33 44 13 13-0351	EA	12' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,992.85	
33 44 13 13-0352	EA	14' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,503.98	
33 44 13 13-0353	EA	16' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,007.37	
33 44 13 13-0354	EA	18' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,462.34	
33 44 13 13-0355	EA	20' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,869.64	
33 44 13 13-0356		**Type GOL-7 Concrete Drainage Inlet Structure** *(33 44 13 13-0285)*		
33 44 13 13-0357	EA	3' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,143.63	
33 44 13 13-0358	EA	4' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,461.57	
33 44 13 13-0359	EA	5' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,754.35	
33 44 13 13-0360	EA	6' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,021.96	
33 44 13 13-0361	EA	7' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,265.20	
33 44 13 13-0362	EA	8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,484.06	
33 44 13 13-0363	EA	8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,710.13	
33 44 13 13-0364	EA	10' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,501.61	
33 44 13 13-0365	EA	12' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,231.16	
33 44 13 13-0366	EA	14' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,898.02	
33 44 13 13-0367	EA	16' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,544.15	
33 44 13 13-0368	EA	18' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,136.69	
33 44 13 13-0369	EA	20' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,674.84	
33 44 13 13-0370		**Type GOL-10 Concrete Drainage Inlet Structure** *(33 44 13 13-0285)*		
33 44 13 13-0371	EA	3' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,831.72	
33 44 13 13-0372	EA	4' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,128.84	
33 44 13 13-0373	EA	5' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,401.59	
33 44 13 13-0374	EA	6' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,649.95	
33 44 13 13-0375	EA	7' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,873.15	
33 44 13 13-0376	EA	8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,071.19	
33 44 13 13-0377	EA	8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,297.26	
33 44 13 13-0378	EA	10' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,070.26	
33 44 13 13-0379	EA	12' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,781.34	
33 44 13 13-0380	EA	14' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,430.52	
33 44 13 13-0381	EA	16' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,060.62	
33 44 13 13-0382	EA	18' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,637.12	
33 44 13 13-0383	EA	20' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,160.03	
33 44 13 13-0384		**Type G-1 Concrete Drainage Inlet Structure** *(33 44 13 13-0285)*		
33 44 13 13-0385	EA	3' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,281.75	
33 44 13 13-0386	EA	4' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,532.56	
33 44 13 13-0387	EA	5' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,765.00	
33 44 13 13-0388	EA	6' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,980.66	
33 44 13 13-0389	EA	7' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,179.52	
33 44 13 13-0390	EA	8' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,360.04	
33 44 13 13-0391		**Type G-2 Concrete Drainage Inlet Structure** *(33 44 13 13-0285)*		
33 44 13 13-0392	EA	3' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,767.46	
33 44 13 13-0393	EA	4' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,049.38	
33 44 13 13-0394	EA	5' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,311.26	
33 44 13 13-0395	EA	6' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,553.13	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 13 13-0396	EA	7' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,774.95	
33 44 13 13-0397	EA	8' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,975.94	
33 44 13 13-0398	EA	8' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,029.33	
33 44 13 13-0399	EA	10' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,700.63	
33 44 13 13-0400	EA	12' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,321.31	
33 44 13 13-0401	EA	14' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,891.35	
33 44 13 13-0402	EA	16' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,440.44	
33 44 13 13-0403	EA	18' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,945.74	
33 44 13 13-0404	EA	20' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,406.48	
33 44 13 13-0405		Type G-3 Concrete Drainage Inlet Structure *(33 44 13 13-0285)*		
33 44 13 13-0406	EA	3' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,389.67	
33 44 13 13-0407	EA	4' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,637.00	
33 44 13 13-0408	EA	5' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,866.76	
33 44 13 13-0409	EA	6' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,079.72	
33 44 13 13-0410	EA	7' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,274.32	
33 44 13 13-0411	EA	8' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,452.13	
33 44 13 13-0412		Type G-4_24 Concrete Drainage Inlet Structure *(33 44 13 13-0285)*		
33 44 13 13-0413	EA	3' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,713.48	
33 44 13 13-0414	EA	4' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,997.15	
33 44 13 13-0415	EA	5' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,260.78	
33 44 13 13-0416	EA	6' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,503.59	
33 44 13 13-0417	EA	7' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,727.15	
33 44 13 13-0418	EA	8' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,929.90	
33 44 13 13-0419	EA	8' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,006.30	
33 44 13 13-0420	EA	10' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,678.86	
33 44 13 13-0421	EA	12' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,300.02	
33 44 13 13-0422	EA	14' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,870.54	
33 44 13 13-0423	EA	16' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,420.02	
33 44 13 13-0424	EA	18' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,925.70	
33 44 13 13-0425	EA	20' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,387.61	
33 44 13 13-0426		Type G-4_18 Concrete Drainage Inlet Structure *(33 44 13 13-0285)*		
33 44 13 13-0427	EA	3' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,767.46	
33 44 13 13-0428	EA	4' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,049.38	
33 44 13 13-0429	EA	5' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,311.26	
33 44 13 13-0430	EA	6' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,553.13	
33 44 13 13-0431	EA	7' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,774.95	
33 44 13 13-0432	EA	8' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,975.94	
33 44 13 13-0433	EA	8' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,029.33	
33 44 13 13-0434	EA	10' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,700.63	
33 44 13 13-0435	EA	12' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,321.31	
33 44 13 13-0436	EA	14' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,891.35	
33 44 13 13-0437	EA	16' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,440.44	
33 44 13 13-0438	EA	18' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,945.74	
33 44 13 13-0439	EA	20' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,406.48	
33 44 13 13-0440		Type G-5 Concrete Drainage Inlet Structure *(33 44 13 13-0285)*		
33 44 13 13-0441	EA	3' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,376.18	
33 44 13 13-0442	EA	4' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,623.76	
33 44 13 13-0443	EA	5' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,854.53	
33 44 13 13-0444	EA	6' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,066.95	
33 44 13 13-0445	EA	7' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,262.57	
33 44 13 13-0446	EA	8' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,440.62	
33 44 13 13-0447		Type G-6 Concrete Drainage Inlet Structure *(33 44 13 13-0285)*		
33 44 13 13-0448	EA	3' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,403.17	
33 44 13 13-0449	EA	4' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,650.26	
33 44 13 13-0450	EA	5' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,879.78	
33 44 13 13-0451	EA	6' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,091.72	
33 44 13 13-0452	EA	7' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,286.08	
33 44 13 13-0453	EA	8' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,463.64	
33 44 13 13-0454		Type GT1 Concrete Drainage Inlet Structure *(33 44 13 13-0285)*		
33 44 13 13-0455	EA	3' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,347.61	
33 44 13 13-0456	EA	4' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,734.26	
33 44 13 13-0457	EA	5' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,119.97	
33 44 13 13-0458	EA	6' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,425.51	
33 44 13 13-0459	EA	7' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,729.33	
33 44 13 13-0460	EA	8' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,006.30	
33 44 13 13-0461		Type GT2 Concrete Drainage Inlet Structure *(33 44 13 13-0285)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 13 13-0462	EA	3' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,846.81	
33 44 13 13-0463	EA	4' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,267.79	
33 44 13 13-0464	EA	5' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,657.80	
33 44 13 13-0465	EA	6' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,017.64	
33 44 13 13-0466	EA	7' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,346.52	
33 44 13 13-0467	EA	8' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,645.23	
33 44 13 13-0468	EA	8' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,216.67	
33 44 13 13-0469	EA	10' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,206.38	
33 44 13 13-0470	EA	12' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,120.28	
33 44 13 13-0471	EA	14' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,959.17	
33 44 13 13-0472	EA	16' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,768.43	
33 44 13 13-0473	EA	18' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,512.04	
33 44 13 13-0474	EA	20' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,190.00	
33 44 13 13-0475		Type GT3 Concrete Drainage Inlet Structure *(33 44 13 13-0285)*		
33 44 13 13-0476	EA	3' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,334.11	
33 44 13 13-0477	EA	4' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,721.02	
33 44 13 13-0478	EA	5' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,081.08	
33 44 13 13-0479	EA	6' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,413.53	
33 44 13 13-0480	EA	7' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,717.58	
33 44 13 13-0481	EA	8' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,994.78	
33 44 13 13-0482		Type GT4 Concrete Drainage Inlet Structure *(33 44 13 13-0285)*		
33 44 13 13-0483	EA	3' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,941.26	
33 44 13 13-0484	EA	4' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,358.99	
33 44 13 13-0485	EA	5' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,746.54	
33 44 13 13-0486	EA	6' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,103.14	
33 44 13 13-0487	EA	7' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,429.56	
33 44 13 13-0488	EA	8' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,725.82	
33 44 13 13-0489	EA	8' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,228.18	
33 44 13 13-0490	EA	10' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,217.66	
33 44 13 13-0491	EA	12' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,131.32	
33 44 13 13-0492	EA	14' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,969.18	
33 44 13 13-0493	EA	16' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,778.25	
33 44 13 13-0494	EA	18' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,521.67	
33 44 13 13-0495	EA	20' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,199.45	
33 44 13 13-0496		Type GO Concrete Drainage Inlet Structure *(33 44 13 13-0285)*		
33 44 13 13-0497	EA	3' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	1,673.02	
33 44 13 13-0498	EA	4' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	1,944.93	
33 44 13 13-0499	EA	5' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,197.28	
33 44 13 13-0500	EA	6' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,430.08	
33 44 13 13-0501	EA	7' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,643.32	
33 44 13 13-0502	EA	8' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,837.80	
33 44 13 13-0503	EA	8' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	3,902.68	
33 44 13 13-0504	EA	10' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	4,554.01	
33 44 13 13-0505	EA	12' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	5,154.98	
33 44 13 13-0506	EA	14' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	5,707.16	
33 44 13 13-0507	EA	16' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	6,240.05	
33 44 13 13-0508	EA	18' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	6,729.22	
33 44 13 13-0509	EA	20' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	7,176.23	
33 44 13 13-0510		Type GDO Concrete Drainage Inlet Structure *(33 44 13 13-0285)*		
33 44 13 13-0511	EA	3' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,185.71	
33 44 13 13-0512	EA	4' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,543.12	
33 44 13 13-0513	EA	5' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,874.97	
33 44 13 13-0514	EA	6' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,181.99	
33 44 13 13-0515	EA	7' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,462.65	
33 44 13 13-0516	EA	8' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,718.49	
33 44 13 13-0517	EA	8' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	5,019.39	
33 44 13 13-0518	EA	10' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	5,858.85	
33 44 13 13-0519	EA	12' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	6,634.49	
33 44 13 13-0520	EA	14' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	7,347.04	
33 44 13 13-0521	EA	16' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	8,033.74	
33 44 13 13-0522	EA	18' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	8,665.13	
33 44 13 13-0523	EA	20' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	9,241.24	

33 44 16 Utility Trench Drains *(33 44)*

33 44 16 00-0001 Modular Trench Drains *(33 44 16)*
See CSI section 03 31 13 00-0011 for concrete.

33 44 16 00-0002 Modular Trench Drains *(33 44 16 00-0001)*
Note: Excludes grates. See CSI section 33 44 16 00-0096 for grates.

33 44 16 00-0003 6" Wide, Modular Trench Drains *(33 44 16 00-0002)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 16 00-0004		6" Wide, High Density Polyethylene, Modular Trench Drains *(33 44 16 00-0003)*		
33 44 16 00-0005		6" Wide, High Density Polyethylene, Modular Trench Drains *(33 44 16 00-0004)*		
33 44 16 00-0006	LF	6" Wide, High Density Polyethylene, Modular Trench Drain	76.20	12.50
		For Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*29.64*	
		For Galvanized Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*59.29*	
		For Stainless Steel Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*94.86*	
		For Type 304 Stainless Steel Top Veneer Frame, Add	*23.72*	
		For Aluminum Veneer Bronze Anodized Frame, Add	*11.86*	
33 44 16 00-0007		Outlet Adapters For 6" Wide, High Density Polyethylene, Modular Trench Drains *(33 44 16 00-0004)*		
33 44 16 00-0008	EA	Closed End Cap For 6" Wide, High Density Polyethylene, Modular Trench Drains	36.97	
33 44 16 00-0009	EA	No-Hub End Outlet For 6" Wide, High Density Polyethylene, Modular Trench Drains	44.79	
33 44 16 00-0010	EA	No-Hub Bottom Outlet For 6" Wide, High Density Polyethylene, Modular Trench Drains	44.79	
33 44 16 00-0011		Other Fittings For 6" Wide, High Density Polyethylene, Modular Trench Drains *(33 44 16 00-0004)*		
33 44 16 00-0012	EA	Bottom Dome Strainer For 6" Wide, High Density Polyethylene, Modular Trench Drains	60.35	
33 44 16 00-0013	EA	Joint Connector For 6" Wide, High Density Polyethylene, Modular Trench Drains	60.35	
33 44 16 00-0014	EA	90 Degree, 45 Degree, Tee Or Side Outlet Charge For 6" Wide, High Density Polyethylene, Modular Trench Drains	276.25	
33 44 16 00-0015	EA	Cross For 6" Wide, High Density Polyethylene, Modular Trench Drains	513.41	
33 44 16 00-0016	EA	Cutting Charge For 6" Wide, High Density Polyethylene, Modular Trench Drains	59.29	
33 44 16 00-0017		6" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 44 16 00-0003)*		
33 44 16 00-0018		6" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 44 16 00-0017)*		
33 44 16 00-0019	LF	6" Wide, Fiber Reinforced Polyester, Modular Trench Drain	104.06	12.50
		For Black Acid Resistant Coated Frame, Add	*22.53*	
		For Galvanized Top Frame Assembly, Add	*22.53*	
		For Type 304 Stainless Steel Top Frame Assembly, Add	*83.01*	
33 44 16 00-0020		Outlet Adapters For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 44 16 00-0017)*		
33 44 16 00-0021	EA	Closed End Cap For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	39.35	
33 44 16 00-0022	EA	No-Hub End Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	47.17	
33 44 16 00-0023	EA	No-Hub Bottom Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	47.17	
33 44 16 00-0024		Other Fittings For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 44 16 00-0017)*		
33 44 16 00-0025	EA	Bottom Dome Strainer For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	60.35	
33 44 16 00-0026	EA	Joint Connector For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	60.35	
33 44 16 00-0027	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	276.25	
33 44 16 00-0028	EA	Cross For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	513.41	
33 44 16 00-0029	EA	Cutting Charge For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	59.29	
33 44 16 00-0030		6" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 44 16 00-0003)*		
33 44 16 00-0031		6" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 44 16 00-0030)*		
33 44 16 00-0032	LF	6" Wide, Vinylester Fiberglass, Modular Trench Drain	130.15	12.50
		For Black Acid Resistant Coated Frame, Add	*22.53*	
		For Galvanized Top Frame Assembly, Add	*22.53*	
		For Type 304 Stainless Steel Top Frame Assembly, Add	*83.01*	
33 44 16 00-0033		Outlet Adapters For 6" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 44 16 00-0030)*		
33 44 16 00-0034	EA	Closed End Cap For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	58.32	
33 44 16 00-0035	EA	No-Hub End Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	66.14	
33 44 16 00-0036	EA	No-Hub Bottom Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	66.14	
33 44 16 00-0037		Other Fittings For 6" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 44 16 00-0030)*		
33 44 16 00-0038	EA	Bottom Dome Strainer For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	60.35	
33 44 16 00-0039	EA	Joint Connector For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	60.35	
33 44 16 00-0040	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	276.25	
33 44 16 00-0041	EA	Cross For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	513.41	
33 44 16 00-0042	EA	Cutting Charge For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	59.29	
33 44 16 00-0043		12" Wide, Modular Trench Drains *(33 44 16 00-0002)*		
33 44 16 00-0044		12" Wide, High Density Polyethylene, Modular Trench Drains *(33 44 16 00-0043)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 16 00-0045		12" Wide, High Density Polyethylene, Modular Trench Drains *(33 44 16 00-0044)*		
33 44 16 00-0046	LF	12" Wide, High Density Polyethylene, Modular Trench Drain	135.19	17.19
		For Acid Resistant Coated Top Frame, Add	*30.83*	
		For Galvanized Welded Frame Assembly, Add	*32.31*	
		For Type 304 Stainless Steel Top Frame, Add	*184.98*	
33 44 16 00-0047		Outlet Adapters For 12" Wide, High Density Polyethylene, Modular Trench Drains *(33 44 16 00-0044)*		
33 44 16 00-0048	EA	End Cap For 12" Wide, High Density Polyethylene, Modular Trench Drains	69.46	
33 44 16 00-0049	EA	No-Hub End Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains	79.89	
33 44 16 00-0050	EA	No-Hub Bottom Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains	79.89	
33 44 16 00-0051		Other Fittings For 12" Wide, High Density Polyethylene, Modular Trench Drains *(33 44 16 00-0044)*		
33 44 16 00-0052	EA	Bottom Dome Strainer For 12" Wide, High Density Polyethylene, Modular Trench Drains	104.97	
33 44 16 00-0053	EA	Joint Connector For 12" Wide, High Density Polyethylene, Modular Trench Drains	134.61	
33 44 16 00-0054	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains	534.45	
33 44 16 00-0055	EA	Cross For 12" Wide, High Density Polyethylene, Modular Trench Drains	1,008.77	
33 44 16 00-0056	EA	Cutting Charges For 12" Wide, High Density Polyethylene, Modular Trench Drains	118.58	
33 44 16 00-0057		12" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 44 16 00-0043)*		
33 44 16 00-0058		12" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 44 16 00-0057)*		
33 44 16 00-0059	LF	12" Wide, Fiber Reinforced Polyester, Modular Trench Drain	164.84	17.19
		For Acid Resistant Coated Top Frame, Add	*30.83*	
		For Galvanized Welded Frame Assembly, Add	*32.31*	
		For Type 304 Stainless Steel Top Frame, Add	*184.98*	
33 44 16 00-0060		Outlet Adapters For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 44 16 00-0057)*		
33 44 16 00-0061	EA	End Cap For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	71.83	
33 44 16 00-0062	EA	No-Hub End Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	82.26	
33 44 16 00-0063	EA	No-Hub Bottom Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	82.26	
33 44 16 00-0064		Other Fittings For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 44 16 00-0057)*		
33 44 16 00-0065	EA	Bottom Dome Strainer For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	104.97	
33 44 16 00-0066	EA	Joint Connector For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	134.61	
33 44 16 00-0067	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	534.45	
33 44 16 00-0068	EA	Cross For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	1,008.77	
33 44 16 00-0069	EA	Cutting Charges For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	118.58	
33 44 16 00-0070		12" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 44 16 00-0043)*		
33 44 16 00-0071		12" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 44 16 00-0070)*		
33 44 16 00-0072	LF	12" Wide, Vinylester Fiberglass, Modular Trench Drain	224.13	17.19
		For Acid Resistant Coated Top Frame, Add	*30.83*	
		For Galvanized Welded Frame Assembly, Add	*32.31*	
		For Type 304 Stainless Steel Top Frame, Add	*184.98*	
33 44 16 00-0073		Outlet Adapters For 12" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 44 16 00-0070)*		
33 44 16 00-0074	EA	End Cap For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	160.76	
33 44 16 00-0075	EA	No-Hub End Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	171.19	
33 44 16 00-0076	EA	No-Hub Bottom Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	171.19	
33 44 16 00-0077		Other Fittings For 12" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 44 16 00-0070)*		
33 44 16 00-0078	EA	Bottom Dome Strainer For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	104.97	
33 44 16 00-0079	EA	Joint Connector For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	134.61	
33 44 16 00-0080	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	534.45	
33 44 16 00-0081	EA	Cross For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	1,008.77	
33 44 16 00-0082	EA	Cutting Charges For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	118.58	
33 44 16 00-0083		23" Wide, Modular Trench Drains *(33 44 16 00-0002)*		
33 44 16 00-0084		23" Wide, High Density Polyethylene, Modular Trench Drains *(33 44 16 00-0083)*		
33 44 16 00-0085		23" Wide, High Density Polyethylene, Modular Trench Drains *(33 44 16 00-0084)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 16 00-0086	LF	23" Wide, High Density Polyethylene, Modular Trench Drain	188.16	23.45
		For Acid Resistant Coated Frame, Add	*46.25*	
		For Galvanized Frame Assembly, Add	*46.25*	
		For Type 304 Stainless Steel Top Frame, Add	*284.59*	

33 44 16 00-0087 Outlet Adapters For 23" Wide, High Density Polyethylene, Modular Trench Drains *(33 44 16 00-0084)*

33 44 16 00-0088	EA	End Cap For 23" Wide, High Density Polyethylene, Modular Trench Drains	198.55	
33 44 16 00-0089	EA	No-Hub End Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains	306.64	
33 44 16 00-0090	EA	No-Hub Bottom Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains	306.64	

33 44 16 00-0091 Other Fittings For 23" Wide, High Density Polyethylene, Modular Trench Drains *(33 44 16 00-0084)*

33 44 16 00-0092	EA	Bottom Dome Strainer For 23" Wide, High Density Polyethylene, Modular Trench Drains	230.96	
33 44 16 00-0093	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains	1,046.34	
33 44 16 00-0094	EA	Cross For 23" Wide, High Density Polyethylene, Modular Trench Drains	1,994.98	
33 44 16 00-0095	EA	Cutting Charges For 23" Wide, High Density Polyethylene, Modular Trench Drains	237.16	

33 44 16 00-0096 Modular Trench Drain Grates *(33 44 16 00-0001)*

33 44 16 00-0097 6" Wide, Modular Trench Drain Grates *(33 44 16 00-0096)*

33 44 16 00-0098	LF	6" Wide, Galvanized Ductile Iron Cast Bar, Modular Trench Drain Grate	60.83	2.35
33 44 16 00-0099	LF	6" Wide, Ductile Iron Cast Bar, Modular Trench Drain Grate	51.88	2.35
33 44 16 00-0100	LF	6" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	54.37	2.35
33 44 16 00-0101	LF	6" Wide, Ductile Iron Slotted, Modular Trench Drain Grate	47.78	2.35
33 44 16 00-0102	LF	6" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	51.34	2.35
33 44 16 00-0103	LF	6" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate	51.93	2.35
33 44 16 00-0104	LF	6" Wide, Ductile Iron Longitudinal Slotted, Modular Trench Drain Grate	51.93	2.35
33 44 16 00-0105	LF	6" Wide, Galvanized Cast Iron Slotted, Modular Trench Drain Grate	51.34	2.35
33 44 16 00-0106	LF	6" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate	45.41	2.35
33 44 16 00-0107	LF	6" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate	45.41	2.35
33 44 16 00-0108	LF	6" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate	48.14	2.35
33 44 16 00-0109	LF	6" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate	48.14	2.35
33 44 16 00-0110	LF	6" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate	62.01	2.35
33 44 16 00-0111	LF	6" Wide, Perforated Stainless Steel, Modular Trench Drain Grate	62.01	2.35
33 44 16 00-0112	LF	6" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate	111.82	2.35
33 44 16 00-0113	LF	6" Wide, Reinforced Perforated Stainless Steel, Modular Trench Drain Grate	111.82	2.35
33 44 16 00-0114	LF	6" Wide, Stainless Steel Bar, Modular Trench Drain Grate	307.47	2.35
33 44 16 00-0115	LF	6" Wide, Heel Proof Polyethylene, Modular Trench Drain Grate	43.04	2.35
33 44 16 00-0116	LF	6" Wide, Fiberglass, Modular Trench Drain Grate	90.47	2.35

33 44 16 00-0117 12" Wide, Modular Trench Drain Grates *(33 44 16 00-0096)*

33 44 16 00-0118	LF	12" Wide, Black Acid Resistant Coated Ductile Iron, Modular Trench Drain Grate	164.38	2.54
33 44 16 00-0119	LF	12" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	157.27	2.54
33 44 16 00-0120	LF	12" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	137.11	2.54
33 44 16 00-0121	LF	12" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate	143.93	2.54
33 44 16 00-0122	LF	12" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate	124.66	2.54
33 44 16 00-0123	LF	12" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate	241.76	2.54
33 44 16 00-0124	LF	12" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate	241.76	2.54
33 44 16 00-0125	LF	12" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate	307.86	2.54
33 44 16 00-0126	LF	12" Wide, Perforated Stainless Steel, Modular Trench Drain Grate	307.86	2.54
33 44 16 00-0127	LF	12" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate	392.35	2.54
33 44 16 00-0128	LF	12" Wide, Reinforced Perforated Stainless Steel Slotted, Modular Trench Drain Grate	392.35	2.54
33 44 16 00-0129	LF	12" Wide, Stainless Steel Cast Bar, Modular Trench Drain Grate	372.49	2.54
33 44 16 00-0130	LF	12" Wide, Fiberglass, Modular Trench Drain Grate	177.13	2.54

33 44 16 00-0131 23" Wide, Modular Trench Drain Grates *(33 44 16 00-0096)*

33 44 16 00-0132	LF	23" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	258.45	2.73
33 44 16 00-0133	LF	23" Wide, Ductile Iron Slotted, Modular Trench Drain Grate	218.13	2.73
33 44 16 00-0134	LF	23" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	336.71	2.73
33 44 16 00-0135	LF	23" Wide, Heel Proof Longitudinal Ductile Iron, Modular Trench Drain Grate	250.15	2.73

33 44 19 Utility Oil and Gas Separators *(33 44)*

33 44 19 19 Utility Oil and Gas Separators *(33 44 19)*

33 44 19 19-0001 Oil/Water Separator *(33 44 19 19)*

Note: Complete with internal sensors and detectors.

33 44 19 19-0002 Coalescing Oil Water Separator *(33 44 19 19-0001)*

Note: Underground tank with interior polyurethane coating. Includes manways, coalescer, inlet and outlet spools, pump mount, 2" level sensor pipe and 4" pump out pipe. HighGuard as manufactured by Highland Tank, Stoystown, PA.

33 44 19 19-0003 Single Wall Steel Coalescing Oil Water Separator *(33 44 19 19-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 19 19-0004	EA	550 Gallon, 55 GPM Single Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.	11,246.98	
		For Interior Polyurethane Coating, Add	*711.00*	
33 44 19 19-0005	EA	1,000 Gallon, 100 GPM Single Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 1000. 4' diameter x 14' long tank.	13,321.91	
		For Interior Polyurethane Coating, Add	*893.70*	
33 44 19 19-0006	EA	2,000 Gallon, 200 GPM Single Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 2000. 5'-4" diameter x 15' long tank.	15,555.70	
		For Interior Polyurethane Coating, Add	*1,340.10*	

33 44 19 19-0007 Double Wall Steel Coalescing Oil Water Separator *(33 44 19 19-0002)*

33 44 19 19-0008	EA	550 Gallon, 55 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.	16,381.45	
		For Interior Polyurethane Coating, Add	*711.00*	
33 44 19 19-0009	EA	1,000 Gallon, 100 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 1000. 4' diameter x 14' long tank.	18,541.68	
		For Interior Polyurethane Coating, Add	*893.70*	
33 44 19 19-0010	EA	2,000 Gallon, 200 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 2000. 5'-4" diameter x 15' long tank.	22,219.76	
		For Interior Polyurethane Coating, Add	*1,340.10*	
33 44 19 19-0011	EA	3,000 Gallon, 300 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 3000. 5'-4" diameter x 21'-4" long tank.	25,549.72	
		For Interior Polyurethane Coating, Add	*1,550.70*	
33 44 19 19-0012	EA	5,000 Gallon, 500 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 5000. 6' diameter x 28'-8" long tank.	33,123.47	
		For Interior Polyurethane Coating, Add	*2,057.80*	

33 44 19 19-0013 Accessories For Coalescing Oil Water Separators *(33 44 19 19-0002)*

33 44 19 19-0014	EA	Single Channel Alarm Panel For Coalescing Oil Water Separator Note: HTAP1.	630.82	
33 44 19 19-0015	EA	Two Channel Alarm Panel For Coalescing Oil Water Separator Note: HTAP2.	853.28	
33 44 19 19-0016	EA	Float Interface Sensor For Coalescing Oil Water Separator Note: Required for UL 2215 label.	496.73	
33 44 19 19-0017	EA	1-1/2" Liquid Only Sensor For Coalescing Oil Water Separator Note: Required for UL 2215 label.	372.40	
33 44 19 19-0018	EA	Polyvinyl Chloride (PVC) Cap For 2" Sensor For Coalescing Oil Water Separator Note: Required for UL 2215 label.	139.28	
33 44 19 19-0019	EA	550, 1,000 Or 2,000 Gallon Tank Concrete Deadmen Set (2 Each) For Coalescing Oil Water Separator	2,102.56	
33 44 19 19-0020	EA	3,000 Gallon Tank Concrete Deadmen Set (4 Each) For Coalescing Oil Water Separator	4,205.09	
33 44 19 19-0021	EA	5,000 Gallon Tank Concrete Deadmen Set (6 Each) For Coalescing Oil Water Separator	6,307.71	
33 44 19 19-0022	EA	550 Or 1,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	405.21	
33 44 19 19-0023	EA	2,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	471.52	
33 44 19 19-0024	EA	3,000 Gallon Tank Polyester Hold Down Straps (4 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	943.04	
33 44 19 19-0025	EA	5,000 Gallon Tank Polyester Hold Down Straps (6 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	2,036.21	
33 44 19 19-0026	EA	30" Diameter Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	560.62	
33 44 19 19-0027	EA	36" Diameter Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	723.69	
33 44 19 19-0028	EA	48" Diameter Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	990.36	
33 44 19 19-0029	EA	54" x 54" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	1,765.35	
33 44 19 19-0030	EA	66" x 54" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	2,256.45	
33 44 19 19-0031	EA	66" x 66" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	2,820.08	
33 44 19 19-0032	EA	78" x 66" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	3,543.27	
33 44 19 19-0033	EA	550 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	691.07	
33 44 19 19-0034	EA	1,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	842.33	
33 44 19 19-0035	EA	2,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	1,323.07	
33 44 19 19-0036	EA	550 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	658.95	
33 44 19 19-0037	EA	1,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	799.85	
33 44 19 19-0038	EA	2,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	949.05	
33 44 19 19-0039	EA	18" Manhole Gasket (Material Only) For Coalescing Oil Water Separator	55.95	
33 44 19 19-0040	EA	24" Manhole Gasket (Material Only) For Coalescing Oil Water Separator	63.20	

33 44 19 19-0041 Oil Skimmers *(33 44 19 19)*

33 44 19 19-0042 Oil Skimmers, 12" And 24" Models *(33 44 19 19-0041)*

33 44 19 19-0043	EA	Oil Skimmers, TENV, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase	4,572.42	449.09
33 44 19 19-0044	EA	Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase	4,797.50	449.09
33 44 19 19-0045	EA	Oil Skimmers, TENV, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase	4,593.26	449.09
33 44 19 19-0046	EA	Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase	4,881.90	449.09
33 44 19 19-0047	EA	Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	4,829.80	449.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 19 19-0048	EA	Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	5,020.49	449.09
33 44 19 19-0049	EA	Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	4,878.78	449.09
33 44 19 19-0050	EA	Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	5,166.38	449.09
33 44 19 19-0051	EA	Oil Skimmers, TENV, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase	5,113.75	598.91
33 44 19 19-0052	EA	Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase	5,354.46	598.91
33 44 19 19-0053	EA	Oil Skimmers, TENV, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,177.31	598.91
33 44 19 19-0054	EA	Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,523.27	598.91
33 44 19 19-0055	EA	Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	5,722.30	598.91
33 44 19 19-0056	EA	Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	5,963.01	598.91
33 44 19 19-0057	EA	Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	5,773.36	598.91
33 44 19 19-0058	EA	Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	6,120.36	598.91

33 44 19 19-0059 Oil Skimmers, Add-Ons *(33 44 19 19-0041)*

33 44 19 19-0060	LF	Add For Belt Projection, 12" Width	15.63	
33 44 19 19-0061	LF	Add For Belt Projection, 24" Width	29.18	
33 44 19 19-0062	LF	Add For Spacer Stands, 12" Models	229.06	
33 44 19 19-0063	LF	Add For Spacer Stands, 24" Models	274.91	

33 46 Subdrainage *(33 40)*

33 46 16 Subdrainage Piping *(33 46)*

See CSI section 33 41 13 00-0256 for polyethylene drain pipe.

33 46 16 00-0001 Perforated Polyvinyl Chloride (PVC) Drainage Piping, D2729 *(33 46 16)*

Note: Includes fittings, couplings, elbows, etc.

33 46 16 00-0002	LF	3" Perforated Polyvinyl Chloride (PVC) Drainage Piping	4.52	3.24
33 46 16 00-0003	LF	4" Perforated Polyvinyl Chloride (PVC) Drainage Piping	4.93	3.50
33 46 16 00-0004	LF	6" Perforated Polyvinyl Chloride (PVC) Drainage Piping	6.66	4.20
33 46 16 00-0005	LF	8" Perforated Polyvinyl Chloride (PVC) Drainage Piping	9.83	5.24
33 46 16 00-0006	LF	10" Perforated Polyvinyl Chloride (PVC) Drainage Piping	15.17	6.00
33 46 16 00-0007	LF	12" Perforated Polyvinyl Chloride (PVC) Drainage Piping	19.28	7.00
33 46 16 00-0008	LF	15" Perforated Polyvinyl Chloride (PVC) Drainage Piping	32.24	8.39

33 46 16 00-0009 Perforated Non Reinforced Concrete Drainage Piping, C444 *(33 46 16)*

33 46 16 00-0010	LF	6" Perforated Non Reinforced Concrete Drainage Pipe	18.79	4.42
		For Extra Strength, Add	*1.11*	
		For >1,000, Deduct	*-0.94*	
33 46 16 00-0011	LF	8" Perforated Non Reinforced Concrete Drainage Pipe	21.86	5.15
		For Extra Strength, Add	*1.37*	
		For >1,000, Deduct	*-1.09*	
33 46 16 00-0012	LF	10" Perforated Non Reinforced Concrete Drainage Pipe	24.76	5.90
		For Extra Strength, Add	*1.60*	
		For >1,000, Deduct	*-1.24*	
33 46 16 00-0013	LF	12" Perforated Non Reinforced Concrete Drainage Pipe	29.47	7.37
		For Extra Strength, Add	*2.00*	
		For >1,000, Deduct	*-1.47*	

33 46 16 00-0014 Extra Strength Porous Non Reinforced Concrete Drainage Piping, C654 *(33 46 16)*

Note: Bell and spigot or tongue and groove. With seals and gaskets.

33 46 16 00-0015	LF	6" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	19.29	9.29
		For >1,000, Deduct	*-0.96*	
33 46 16 00-0016	LF	8" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	21.36	10.32
		For >1,000, Deduct	*-1.07*	
33 46 16 00-0017	LF	10" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	23.56	11.34
		For >1,000, Deduct	*-1.18*	
33 46 16 00-0018	LF	12" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	26.73	11.79
		For >1,000, Deduct	*-1.34*	
33 46 16 00-0019	LF	15" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	30.89	13.26
		For >1,000, Deduct	*-1.54*	
33 46 16 00-0020	LF	18" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	38.25	16.94
		For >1,000, Deduct	*-1.91*	
33 46 16 00-0021	LF	21" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	47.84	21.74
		For >1,000, Deduct	*-2.39*	
33 46 16 00-0022	LF	24" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	58.30	26.53
		For >1,000, Deduct	*-2.92*	

33 46 16 00-0023 Standard Strength Porous Non Reinforced Concrete Drainage Piping, C654 *(33 46 16)*

33 46 16 00-0024	LF	6" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	14.20	4.42
		For >1,000, Deduct	*-0.71*	
33 46 16 00-0025	LF	8" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	18.06	5.15
		For >1,000, Deduct	*-0.90*	
33 46 16 00-0026	LF	10" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	23.07	5.90
		For >1,000, Deduct	*-1.15*	
33 46 16 00-0027	LF	12" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	33.73	11.79
		For >1,000, Deduct	*-1.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 46 16 00-0028	LF	15" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	38.51	13.26
		For >1,000, Deduct	*-1.93*	
33 46 16 00-0029	LF	18" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	49.69	16.94
		For >1,000, Deduct	*-2.48*	

33 46 16 00-0030 Perforated Vitrified Clay Drainage Piping, C700 *(33 46 16)*

33 46 16 00-0031	LF	4" Perforated Vitrified Clay Drainage Pipe	12.41	5.90
33 46 16 00-0032	LF	6" Perforated Vitrified Clay Drainage Pipe	16.30	5.90
33 46 16 00-0033	LF	8" Perforated Vitrified Clay Drainage Pipe	19.01	5.90
33 46 16 00-0034	LF	10" Perforated Vitrified Clay Drainage Pipe	23.51	5.90
33 46 16 00-0035	LF	12" Perforated Vitrified Clay Drainage Pipe	28.33	5.90

33 46 16 00-0036 Geotextile Filter Fabric Sock *(33 46 16)*

33 46 16 00-0037	LF	3" Geotextile Filter Fabric Sock	0.53	
33 46 16 00-0038	LF	4" Geotextile Filter Fabric Sock	0.70	
33 46 16 00-0039	LF	6" Geotextile Filter Fabric Sock	1.07	
33 46 16 00-0040	LF	8" Geotextile Filter Fabric Sock	1.44	
33 46 16 00-0041	LF	10" Geotextile Filter Fabric Sock	2.08	
33 46 16 00-0042	LF	12" Geotextile Filter Fabric Sock	2.79	
33 46 16 00-0043	LF	15" Geotextile Filter Fabric Sock	3.26	

33 46 16 00-0044 Strip-Perforated, Galvanized, Corrugated Steel Pipe *(33 46 16)*

Note: Perforations are located in the bottom quarter points of the pipe.

33 46 16 00-0045	LF	6" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	15.27	4.42
		For Full Perforated, Add	*0.64*	
33 46 16 00-0046	LF	8" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	19.19	5.35
		For Full Perforated, Add	*0.85*	
33 46 16 00-0047	LF	10" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	24.22	6.81
		For Full Perforated, Add	*1.06*	
33 46 16 00-0048	LF	12" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	27.18	8.04
		For Full Perforated, Add	*1.11*	
33 46 16 00-0049	LF	15" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	30.61	8.32
		For Full Perforated, Add	*1.40*	
33 46 16 00-0050	LF	18" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	34.10	8.63
		For Full Perforated, Add	*1.69*	
33 46 16 00-0051	LF	21" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	38.12	9.02
		For Full Perforated, Add	*2.01*	

33 46 16 00-0052 Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe *(33 46 16)*

Note: Perforations are located in the bottom quarter points of the pipe.

33 46 16 00-0053	LF	6" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	16.30	4.42
		For Full Perforated, Add	*0.75*	
33 46 16 00-0054	LF	8" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	20.59	5.35
		For Full Perforated, Add	*0.99*	
33 46 16 00-0055	LF	10" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	25.93	6.81
		For Full Perforated, Add	*1.23*	
33 46 16 00-0056	LF	12" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	28.84	8.04
		For Full Perforated, Add	*1.28*	
33 46 16 00-0057	LF	15" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	32.66	8.32
		For Full Perforated, Add	*1.60*	
33 46 16 00-0058	LF	18" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	36.54	8.63
		For Full Perforated, Add	*1.93*	
33 46 16 00-0059	LF	21" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	40.96	9.02
		For Full Perforated, Add	*2.29*	

33 46 16 00-0060 Strip-Perforated, Corrugated Aluminum Pipe *(33 46 16)*

Note: Perforations are located in the bottom quarter points of the pipe.

33 46 16 00-0061	LF	6" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	16.63	4.42
		For Full Perforated, Add	*0.78*	
33 46 16 00-0062	LF	8" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	21.02	5.35
		For Full Perforated, Add	*1.03*	
33 46 16 00-0063	LF	10" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	26.47	6.81
		For Full Perforated, Add	*1.29*	
33 46 16 00-0064	LF	12" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	32.94	8.04
		For Full Perforated, Add	*1.69*	
33 46 16 00-0065	LF	15" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	37.77	8.32
		For Full Perforated, Add	*2.11*	
33 46 16 00-0066	LF	18" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	42.73	8.63
		For Full Perforated, Add	*2.55*	
33 46 16 00-0067	LF	21" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	48.18	9.02
		For Full Perforated, Add	*3.01*	

33 46 16 00-0068 Prefabricated Composite Drains *(33 46 16)*

33 46 16 00-0069 Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) *(33 46 16 00-0068)*

Note: Excludes excavation and backfill. See CSI section 31 23 16 13-0000 for excavation and backfill.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 46 16 00-0070	LF	12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	6.71	1.68
		For External Typar Geotextile Wrap, Add	*1.05*	
33 46 16 00-0071	EA	Coupler For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	29.33	
33 46 16 00-0072	EA	End Cap For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	29.33	
33 46 16 00-0073	EA	Side Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	53.67	
33 46 16 00-0074	EA	End Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	53.67	
33 46 16 00-0075	LF	18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	10.38	2.09
		For External Typar Geotextile Wrap, Add	*1.58*	
33 46 16 00-0076	EA	Coupler For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	41.82	
33 46 16 00-0077	EA	End Cap For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	41.82	
33 46 16 00-0078	EA	Side Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	59.22	
33 46 16 00-0079	EA	End Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	59.22	

33 46 23 Underslab Drainage *(33 46)*

33 46 23 00-0001 Capillary Water Barrier Underslab Drainage *(33 46 23)*

Note: Consists of a layer of fine granular material overlying a coarse layer.

33 46 23 00-0002	CY	2" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	25.52	
33 46 23 00-0003	CY	4" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	23.55	
33 46 23 00-0004	CY	6" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	22.76	
33 46 23 00-0005	CY	8" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	21.59	

33 50 Fuel Distribution Utilities *(33)*

33 51 Natural-Gas Distribution *(33 50)*

33 51 13 Natural-Gas Piping *(33 51)*

See CSI section 23 05 23 00-0000 for gas valves.

33 51 13 13 Gas Distribution Lines *(33 51 13)*

Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 51 13 13-0001 High Density Polyethylene (HDPE) Pressure Piping *(33 51 13 13)*

Note: ASTM D3350 pipe, ASTM D2657 heat fusion.

33 51 13 13-0002 High Density Polyethylene (HDPE) Pressure Pipe *(33 51 13 13-0001)*

33 51 13 13-0003	LF	3" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	12.61	3.92
		For DR 17 (100 PSI), Add	*0.19*	
		For DR 15.5 (110 PSI), Add	*0.28*	
		For DR 13.5 (128 PSI), Add	*0.44*	
		For DR 11 (160 PSI), Add	*0.70*	
33 51 13 13-0004	LF	4" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	14.86	4.27
		For DR 26 (65 PSI), Deduct	*-0.38*	
		For DR 17 (100 PSI), Add	*0.46*	
		For DR 15.5 (110 PSI), Add	*0.67*	
		For DR 13.5 (128 PSI), Add	*1.05*	
		For DR 11 (160 PSI), Add	*1.69*	
33 51 13 13-0005	LF	6" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	18.20	4.57
		For DR 26 (65 PSI), Deduct	*-0.82*	
		For DR 17 (100 PSI), Add	*1.00*	
		For DR 15.5 (110 PSI), Add	*1.46*	
		For DR 13.5 (128 PSI), Add	*2.28*	
		For DR 11 (160 PSI), Add	*3.66*	
33 51 13 13-0006	LF	8" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	21.92	4.77
		For DR 26 (65 PSI), Deduct	*-1.39*	
		For DR 17 (100 PSI), Add	*1.69*	
		For DR 15.5 (110 PSI), Add	*2.47*	
		For DR 13.5 (128 PSI), Add	*3.86*	
		For DR 11 (160 PSI), Add	*6.21*	
33 51 13 13-0007	LF	10" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	26.36	4.85
		For DR 26 (65 PSI), Deduct	*-2.17*	
		For DR 17 (100 PSI), Add	*2.63*	
		For DR 15.5 (110 PSI), Add	*3.85*	
		For DR 13.5 (128 PSI), Add	*6.00*	
		For DR 11 (160 PSI), Add	*9.66*	
33 51 13 13-0008	LF	12" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	32.02	5.09
		For DR 26 (65 PSI), Deduct	*-3.12*	
		For DR 17 (100 PSI), Add	*3.79*	
		For DR 15.5 (110 PSI), Add	*5.54*	
		For DR 13.5 (128 PSI), Add	*8.65*	
		For DR 11 (160 PSI), Add	*13.93*	
33 51 13 13-0009	LF	14" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	36.82	5.60
		For DR 26 (65 PSI), Deduct	*-3.67*	
		For DR 17 (100 PSI), Add	*4.45*	
		For DR 15.5 (110 PSI), Add	*6.52*	
		For DR 13.5 (128 PSI), Add	*10.17*	
		For DR 11 (160 PSI), Add	*16.37*	
33 51 13 13-0010	LF	16" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	44.63	6.16
		For DR 26 (65 PSI), Deduct	*-4.80*	
		For DR 17 (100 PSI), Add	*5.81*	
		For DR 15.5 (110 PSI), Add	*8.52*	
		For DR 13.5 (128 PSI), Add	*13.29*	
		For DR 11 (160 PSI), Add	*21.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 51 13 13-0011	LF	18" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	53.05	6.66
		For DR 26 (65 PSI), Deduct	*-6.06*	
		For DR 17 (100 PSI), Add	*7.35*	
		For DR 15.5 (110 PSI), Add	*10.76*	
		For DR 13.5 (128 PSI), Add	*16.80*	
		For DR 11 (160 PSI), Add	*27.03*	
33 51 13 13-0012	LF	20" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	49.63	7.30
		For DR 26 (65 PSI), Deduct	*-5.07*	
		For DR 17 (100 PSI), Add	*6.14*	
		For DR 15.5 (110 PSI), Add	*8.99*	
		For DR 13.5 (128 PSI), Add	*14.04*	
		For DR 11 (160 PSI), Add	*22.60*	
33 51 13 13-0013	LF	24" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	82.82	8.00
		For DR 26 (65 PSI), Deduct	*-10.79*	
		For DR 17 (100 PSI), Add	*13.07*	
		For DR 15.5 (110 PSI), Add	*19.15*	
		For DR 13.5 (128 PSI), Add	*29.88*	
		For DR 11 (160 PSI), Add	*48.10*	

33 51 13 13-0014 90 Degree Elbows, High Density Polyethylene (HDPE) Pressure Piping *(33 51 13 13-0001)*

33 51 13 13-0015	EA	3" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	51.42	11.37
		For DR 26 (65 PSI), Deduct	*-3.17*	
		For DR 17 (100 PSI), Add	*3.85*	
		For DR 15.5 (110 PSI), Add	*5.63*	
		For DR 13.5 (128 PSI), Add	*8.79*	
		For DR 11 (160 PSI), Add	*14.15*	
33 51 13 13-0016	EA	4" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	58.51	12.65
		For DR 26 (65 PSI), Deduct	*-3.78*	
		For DR 17 (100 PSI), Add	*4.58*	
		For DR 15.5 (110 PSI), Add	*6.71*	
		For DR 13.5 (128 PSI), Add	*10.47*	
		For DR 11 (160 PSI), Add	*16.86*	
33 51 13 13-0017	EA	6" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	98.14	14.44
		For DR 26 (65 PSI), Deduct	*-10.06*	
		For DR 17 (100 PSI), Add	*12.19*	
		For DR 15.5 (110 PSI), Add	*17.85*	
		For DR 13.5 (128 PSI), Add	*27.86*	
		For DR 11 (160 PSI), Add	*44.85*	
33 51 13 13-0018	EA	8" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	165.22	16.86
		For DR 26 (65 PSI), Deduct	*-21.02*	
		For DR 17 (100 PSI), Add	*25.48*	
		For DR 15.5 (110 PSI), Add	*37.32*	
		For DR 13.5 (128 PSI), Add	*58.25*	
		For DR 11 (160 PSI), Add	*93.75*	
33 51 13 13-0019	EA	10" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	258.78	22.51
		For DR 26 (65 PSI), Deduct	*-35.08*	
		For DR 17 (100 PSI), Add	*42.53*	
		For DR 15.5 (110 PSI), Add	*62.28*	
		For DR 13.5 (128 PSI), Add	*97.21*	
		For DR 11 (160 PSI), Add	*156.47*	
33 51 13 13-0020	EA	12" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	381.30	33.68
		For DR 26 (65 PSI), Deduct	*-51.38*	
		For DR 17 (100 PSI), Add	*62.28*	
		For DR 15.5 (110 PSI), Add	*91.20*	
		For DR 13.5 (128 PSI), Add	*142.35*	
		For DR 11 (160 PSI), Add	*229.13*	
33 51 13 13-0021	EA	14" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	468.92	44.95
		For DR 26 (65 PSI), Deduct	*-61.24*	
		For DR 17 (100 PSI), Add	*74.24*	
		For DR 15.5 (110 PSI), Add	*108.72*	
		For DR 13.5 (128 PSI), Add	*169.70*	
		For DR 11 (160 PSI), Add	*273.14*	
33 51 13 13-0022	EA	16" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	602.16	67.38
		For DR 26 (65 PSI), Deduct	*-73.34*	
		For DR 17 (100 PSI), Add	*88.91*	
		For DR 15.5 (110 PSI), Add	*130.20*	
		For DR 13.5 (128 PSI), Add	*203.22*	
		For DR 11 (160 PSI), Add	*327.10*	
33 51 13 13-0023	EA	18" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	771.87	75.79
		For DR 26 (65 PSI), Deduct	*-99.81*	
		For DR 17 (100 PSI), Add	*120.99*	
		For DR 15.5 (110 PSI), Add	*177.18*	
		For DR 13.5 (128 PSI), Add	*276.55*	
		For DR 11 (160 PSI), Add	*445.13*	
33 51 13 13-0024	EA	20" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	1,079.50	86.01
		For DR 26 (65 PSI), Deduct	*-150.09*	
		For DR 17 (100 PSI), Add	*181.94*	
		For DR 15.5 (110 PSI), Add	*266.44*	
		For DR 13.5 (128 PSI), Add	*415.87*	
		For DR 11 (160 PSI), Add	*669.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 51 13 13-0025	EA	24" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	1,396.26	101.10
		For DR 26 (65 PSI), Deduct	*-200.37*	
		For DR 17 (100 PSI), Add	*242.89*	
		For DR 15.5 (110 PSI), Add	*355.70*	
		For DR 13.5 (128 PSI), Add	*555.20*	
		For DR 11 (160 PSI), Add	*893.63*	

33 51 13 13-0026 Tees, High Density Polyethylene (HDPE) Pressure Piping *(33 51 13 13-0001)*

33 51 13 13-0027	EA	3" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	58.26	11.90
		For DR 26 (65 PSI), Deduct	*-4.15*	
		For DR 17 (100 PSI), Add	*5.03*	
		For DR 15.5 (110 PSI), Add	*7.37*	
		For DR 13.5 (128 PSI), Add	*11.50*	
		For DR 11 (160 PSI), Add	*18.51*	
33 51 13 13-0028	EA	4" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	67.05	13.48
		For DR 26 (65 PSI), Deduct	*-4.88*	
		For DR 17 (100 PSI), Add	*5.92*	
		For DR 15.5 (110 PSI), Add	*8.67*	
		For DR 13.5 (128 PSI), Add	*13.54*	
		For DR 11 (160 PSI), Add	*21.79*	
33 51 13 13-0029	EA	6" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	116.27	15.55
		For DR 26 (65 PSI), Deduct	*-12.77*	
		For DR 17 (100 PSI), Add	*15.48*	
		For DR 15.5 (110 PSI), Add	*22.67*	
		For DR 13.5 (128 PSI), Add	*35.38*	
		For DR 11 (160 PSI), Add	*56.95*	
33 51 13 13-0030	EA	8" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	231.82	18.38
		For DR 26 (65 PSI), Deduct	*-32.39*	
		For DR 17 (100 PSI), Add	*39.27*	
		For DR 15.5 (110 PSI), Add	*57.50*	
		For DR 13.5 (128 PSI), Add	*89.76*	
		For DR 11 (160 PSI), Add	*144.47*	
33 51 13 13-0031	EA	10" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	313.67	26.98
		For DR 26 (65 PSI), Deduct	*-42.68*	
		For DR 17 (100 PSI), Add	*51.73*	
		For DR 15.5 (110 PSI), Add	*75.76*	
		For DR 13.5 (128 PSI), Add	*118.25*	
		For DR 11 (160 PSI), Add	*190.33*	
33 51 13 13-0032	EA	12" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	439.18	40.47
		For DR 26 (65 PSI), Deduct	*-58.27*	
		For DR 17 (100 PSI), Add	*70.64*	
		For DR 15.5 (110 PSI), Add	*103.44*	
		For DR 13.5 (128 PSI), Add	*161.46*	
		For DR 11 (160 PSI), Add	*259.88*	
33 51 13 13-0033	EA	14" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	525.57	50.55
		For DR 26 (65 PSI), Deduct	*-68.55*	
		For DR 17 (100 PSI), Add	*83.10*	
		For DR 15.5 (110 PSI), Add	*121.70*	
		For DR 13.5 (128 PSI), Add	*189.95*	
		For DR 11 (160 PSI), Add	*305.75*	
33 51 13 13-0034	EA	16" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	671.58	75.79
		For DR 26 (65 PSI), Deduct	*-81.41*	
		For DR 17 (100 PSI), Add	*98.68*	
		For DR 15.5 (110 PSI), Add	*144.52*	
		For DR 13.5 (128 PSI), Add	*225.57*	
		For DR 11 (160 PSI), Add	*363.07*	
33 51 13 13-0035	EA	18" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	881.92	88.29
		For DR 26 (65 PSI), Deduct	*-113.11*	
		For DR 17 (100 PSI), Add	*137.12*	
		For DR 15.5 (110 PSI), Add	*200.80*	
		For DR 13.5 (128 PSI), Add	*313.43*	
		For DR 11 (160 PSI), Add	*504.48*	
33 51 13 13-0036	EA	20" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	1,267.71	104.28
		For DR 26 (65 PSI), Deduct	*-174.38*	
		For DR 17 (100 PSI), Add	*211.39*	
		For DR 15.5 (110 PSI), Add	*309.57*	
		For DR 13.5 (128 PSI), Add	*483.20*	
		For DR 11 (160 PSI), Add	*777.74*	
33 51 13 13-0037	EA	24" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	1,664.55	126.41
		For DR 26 (65 PSI), Deduct	*-235.65*	
		For DR 17 (100 PSI), Add	*285.66*	
		For DR 15.5 (110 PSI), Add	*418.34*	
		For DR 13.5 (128 PSI), Add	*652.97*	
		For DR 11 (160 PSI), Add	*1,050.99*	

33 51 13 13-0038 Medium Density Polyethylene (MDPE) Gas Distribution Piping *(33 51 13 13)*

Note: 60 PSI, PE2406/PE2708. Includes couplings, #12 tracer wire, helically wrapped around piping.

33 51 13 13-0039	LF	1/2" DR 9 (200 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe	4.37	1.30
33 51 13 13-0040	LF	3/4" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe	4.74	1.38
33 51 13 13-0041	LF	1" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe	5.09	1.48
33 51 13 13-0042	LF	1-1/4" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe	5.62	1.57
33 51 13 13-0043	LF	1-1/2" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe	6.98	1.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 51 13 13-0044	LF	2" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe	7.86	2.06
		For DR 13.5 (128 PSI), Deduct	*-0.21*	
		For DR 15.5 (110 PSI), Deduct	*-0.39*	
33 51 13 13-0045	LF	2-1/2" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe	10.04	2.41
		For DR 13.5 (128 PSI), Deduct	*-0.35*	
		For DR 15.5 (110 PSI), Deduct	*-0.64*	
33 51 13 13-0046	LF	3" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe	12.44	2.86
		For DR 13.5 (128 PSI), Deduct	*-0.48*	
		For DR 15.5 (110 PSI), Deduct	*-0.88*	
33 51 13 13-0047	LF	3" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe	14.24	3.24
		For DR 13.5 (128 PSI), Deduct	*-0.56*	
		For DR 15.5 (110 PSI), Deduct	*-1.03*	
33 51 13 13-0048	LF	4" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe	21.06	3.30
		For DR 13.5 (128 PSI), Deduct	*-0.88*	
		For DR 15.5 (110 PSI), Deduct	*-1.62*	
33 51 13 13-0049	LF	6" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe	27.73	3.30
		For DR 13.5 (128 PSI), Deduct	*-1.56*	
		For DR 15.5 (110 PSI), Deduct	*-2.87*	
33 51 13 13-0050	LF	8" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe	39.13	4.12
		For DR 13.5 (128 PSI), Deduct	*-2.60*	
		For DR 15.5 (110 PSI), Deduct	*-4.78*	

33 51 13 13-0051 Steel, Schedule 40, Plain End, Coal Tar Enamel And Wrapped *(33 51 13 13)*

33 51 13 13-0052	LF	1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	9.60	2.04
33 51 13 13-0053	LF	3/4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	10.87	2.25
33 51 13 13-0054	LF	1" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	11.93	2.31
33 51 13 13-0055	LF	1-1/4" (3.2 cm) Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	12.24	2.36
33 51 13 13-0056	LF	1-1/2" (3.6 cm) Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	12.60	2.39
33 51 13 13-0057	LF	2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	13.40	2.56
33 51 13 13-0058	LF	2-1/2" (6.0 cm) Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	17.71	3.05
33 51 13 13-0059	LF	3" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	22.17	3.85
33 51 13 13-0060	LF	4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	28.86	4.65
33 51 13 13-0061	LF	5" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	37.30	5.38
33 51 13 13-0062	LF	6" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	46.53	6.58
33 51 13 13-0063	LF	8" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	65.61	8.45

33 51 13 13-0064 Gas Line Taps *(33 51 13 13)*

Note: Includes material to tap into main and gas valve.

33 51 13 13-0065 Polyethylene, 60 PSI *(33 51 13 13-0064)*

33 51 13 13-0066	EA	2" Polyethylene Hot Tap, With Valve	861.25
33 51 13 13-0067	EA	2-1/2" Polyethylene Hot Tap, With Valve	1,126.55
33 51 13 13-0068	EA	3" Polyethylene Hot Tap, With Valve	1,194.51
33 51 13 13-0069	EA	4" Polyethylene Hot Tap, With Valve	1,539.63
33 51 13 13-0070	EA	6" Polyethylene Hot Tap, With Valve	2,332.40

33 51 13 13-0071 Steel, Schedule 40 *(33 51 13 13-0064)*

Note: For punch steel service tee.

33 51 13 13-0072	EA	1/2" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,508.36
33 51 13 13-0073	EA	3/4" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,533.85
33 51 13 13-0074	EA	3/4" Iron Pipe Size Weld Base, 3/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,571.42
33 51 13 13-0075	EA	3/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,607.59
33 51 13 13-0076	EA	1" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,632.99
33 51 13 13-0077	EA	1-1/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Value Steel Service Tee	1,774.58
33 51 13 13-0078	EA	1-1/4" Iron Pipe Size Weld Base, 1-1/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,821.74

33 51 13 13-0079 Protective Pipe And Fitting Wrap *(33 51 13 13)*

Note: Pipe is cleaned and primed.

33 51 13 13-0080 Corrosion Resistance Wrap And Coat - Pipe *(33 51 13 13-0079)*

Note: Field applied.

33 51 13 13-0081	LF	1/2" Pipe Wrap	2.57
33 51 13 13-0082	LF	3/4" Pipe Wrap	2.70
33 51 13 13-0083	LF	1" Pipe Wrap	2.86
33 51 13 13-0084	LF	1-1/4" Pipe Wrap	3.21
33 51 13 13-0085	LF	1-1/2" Pipe Wrap	3.44
33 51 13 13-0086	LF	2" Pipe Wrap	3.96
33 51 13 13-0087	LF	2-1/2" Pipe Wrap	4.82
33 51 13 13-0088	LF	3" Pipe Wrap	6.00
33 51 13 13-0089	LF	4" Pipe Wrap	7.58
33 51 13 13-0090	LF	6" Pipe Wrap	10.08

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 51 13 13-0091		Corrosion Resistance Wrap And Coat - Fittings *(33 51 13 13-0079)*		
		Note: Field applied.		
33 51 13 13-0092	EA	1/2" Fitting Wrap	13.97	
33 51 13 13-0093	EA	3/4" Fitting Wrap	13.97	
33 51 13 13-0094	EA	1" Fitting Wrap	17.22	
33 51 13 13-0095	EA	1-1/4" Fitting Wrap	19.45	
33 51 13 13-0096	EA	1-1/2" Fitting Wrap	19.45	
33 51 13 13-0097	EA	2" Fitting Wrap	23.02	
33 51 13 13-0098	EA	2-1/2" Fitting Wrap	30.71	
33 51 13 13-0099	EA	3" Fitting Wrap	42.37	
33 51 13 13-0100	EA	4" Fitting Wrap	42.91	
33 51 13 13-0101	EA	6" Fitting Wrap	49.43	
33 51 13 13-0102		Underground Cable Protection Slab *(33 51 13 13)*		
33 51 13 13-0103	CLF	6" Wide Non Detectable Underground Utility Marking Tape	13.95	
33 51 13 13-0104		Service Fittings *(33 51 13 13)*		
33 51 13 13-0105		Brass Fittings *(33 51 13 13-0104)*		
33 51 13 13-0106	EA	1/2" X 2" Long Nipples, Threaded Both Ends, Brass	24.58	
33 51 13 13-0107	EA	3/4" X 2" Long Nipples, Threaded Both Ends, Brass	28.29	
33 51 13 13-0108	EA	1" X 2" Long Nipples, Threaded Both Ends, Brass	35.43	
33 51 13 13-0109	EA	1-1/4" X 2" Long Nipples, Threaded Both Ends, Brass	43.34	
33 51 13 13-0110	EA	1-1/2" X 2" Long Nipples, Threaded Both Ends, Brass	48.32	
33 51 13 13-0111	EA	2" X 2" Long Nipples, Threaded Both Ends, Brass	61.56	
33 51 13 13-0112	EA	1/2" 90 Degree Elbow, Brass	21.51	
33 51 13 13-0113	EA	3/4" 90 Degree Elbow, Brass	24.45	
33 51 13 13-0114	EA	1" 90 Degree Elbow, Brass	31.03	
33 51 13 13-0115	EA	1-1/4" 90 Degree Elbow, Brass	39.04	
33 51 13 13-0116	EA	1-1/2" 90 Degree Elbow, Brass	44.12	
33 51 13 13-0117	EA	2" 90 Degree Elbow, Brass	57.10	
33 51 13 13-0118	EA	1/2" Diameter Chrome Plated Nipple	17.21	
33 51 13 13-0119	EA	3/4" Diameter Chrome Plated Nipple	22.05	
33 51 13 13-0120	EA	1" Diameter Chrome Plated Nipple	28.70	
33 51 13 13-0121	EA	1-1/4" Diameter Chrome Plated Nipple	40.65	
33 51 13 13-0122	EA	1-1/2" Diameter Chrome Plated Nipple	48.90	
33 51 13 13-0123	EA	2" Diameter Chrome Plated Nipple	64.96	
33 51 13 13-0124		Anodless Gas Riser *(33 51 13 13-0104)*		
33 51 13 13-0125	EA	3/4" Anodless Gas Riser	61.74	
33 51 13 13-0126	EA	1" Anodless Gas Riser	75.85	
33 51 13 13-0127	EA	1-1/4" Anodless Gas Riser	87.89	
33 51 13 13-0128	EA	1-1/2" Anodless Gas Riser	107.75	
33 51 13 13-0129	EA	2" Anodless Gas Riser	122.66	
33 51 13 13-0130		Brass Service Adapter *(33 51 13 13-0104)*		
33 51 13 13-0131	EA	1/2" Brass Service Adapter	42.35	
33 51 13 13-0132	EA	3/4" Brass Service Adapter	46.59	
33 51 13 13-0133	EA	1" Brass Service Adapter	55.48	
33 51 13 13-0134	EA	1-1/4" Brass Service Adapter	63.60	
33 51 13 13-0135	EA	1-1/2" Brass Service Adapter	72.58	
33 51 13 13-0136	EA	2" Brass Service Adapter	82.99	
33 51 13 13-0137	EA	2-1/2" Brass Service Adapter	126.11	
33 51 13 13-0138	EA	3" Brass Service Adapter	153.15	
33 51 13 13-0139	EA	4" Brass Service Adapter	215.18	
33 51 33		**Natural-Gas Metering** *(33 51)*		
33 51 33 13		**Gas Meters And Regulators** *(33 51 33)*		
33 51 33 13-0001		Natural Gas Meters *(33 51 33 13)*		
33 51 33 13-0002		Diaphragm Meters *(33 51 33 13-0001)*		
		Note: With standard direct-digital reading maximum working pressures 5 lbs to 100 lbs, threaded connections. Excludes pressure and temperature compensation.		
33 51 33 13-0003	EA	250 CF/Hour Gas Diaphragm Meter At 5 LB, Direct Digital, Threaded	354.85	50.89
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 51 33 13-0004	EA	425 CF/Hour Gas Diaphragm Meter At 10 LB, Direct Digital, Threaded	680.71	77.83
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 51 33 13-0005	EA	425 CF/Hour Gas Diaphragm Meter At 25 LB, Direct Digital, Threaded	789.70	77.83
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 51 33 13-0006	EA	800 CF/Hour Gas Diaphragm Meter At 20 LB, Direct Digital, Threaded	1,666.24	97.28
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 51 33 13-0007	EA	1,000 CF/Hour Gas Diaphragm Meter At 25 LB, Direct Digital, Threaded	1,893.35	119.73
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 51 33 13-0008	EA	800 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded	2,445.03	97.28
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 51 33 13-0009	EA	1,000 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded	2,731.41	119.73
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 51 33 13-0010	EA	1,400 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded	3,582.93	127.22
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 51 33 13-0011	EA	2,300 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded	5,049.17	149.67
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 51 33 13-0012	EA	5,000 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded	7,728.15	246.96
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	

33 51 33 13-0013 Gas Pressure Regulators *(33 51 33 13)*

33 51 33 13-0014 Regulators With Screwed And Flanged Ends *(33 51 33 13-0013)*

33 51 33 13-0015	EA	3/4" Gas Pressure Regulator, Screwed End	138.46	13.01
33 51 33 13-0016	EA	1" Gas Pressure Regulator, Screwed End	141.42	13.01
33 51 33 13-0017	EA	1-1/4" Gas Pressure Regulator, Screwed End	148.50	15.44
33 51 33 13-0018	EA	1-1/2" Gas Pressure Regulator, Screwed End	472.60	17.88
33 51 33 13-0019	EA	2" Gas Pressure Regulator, Screwed End	509.90	27.69
33 51 33 13-0020	EA	3" Gas Pressure Regulator, Screwed End	1,420.30	62.12
33 51 33 13-0021	EA	4" Gas Pressure Regulator, Screwed End	1,969.24	82.31

33 51 33 13-0022 Gas Turbine Meters *(33 51 33 13)*

33 51 33 13-0023 Gas Turbine Meters With Direct-Digital Reading *(33 51 33 13-0022)*

Note: Maximum working pressure 175 PSI, flanged end connections.

33 51 33 13-0024	EA	4", 18,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	6,190.30	242.97
33 51 33 13-0025	EA	6", 30,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	7,351.59	282.16
33 51 33 13-0026	EA	8", 60,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	11,154.65	365.39
33 51 33 13-0027	EA	12", 150,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	32,407.25	460.39

33 56 Fuel-Storage Tanks *(33 50)*

33 56 13 Aboveground Fuel-Storage Tanks *(33 56)*

See CSI section 23 13 23 00-0000 for aboveground storage tanks.

33 56 16 Underground Fuel-Storage Tanks *(33 56)*

See CSI section 23 13 13 00-0000 for underground storage tanks.

33 60 Hydronic And Steam Energy Utilities *(33)*

33 61 Hydronic Energy Distribution *(33 60)*

33 61 13 Underground Hydronic Energy Distribution *(33 61)*

33 61 13 00-0001 Glass Lined Steel Piping *(33 61 13)*

33 61 13 00-0002 Glass Lined Steel Pipe *(33 61 13 00-0001)*

Note: 150 PSIG

33 61 13 00-0003	EA	4" X 1' Glass Lined Steel Pipe	1,071.04	
33 61 13 00-0004	EA	4" X 2' Glass Lined Steel Pipe	1,182.54	
33 61 13 00-0005	EA	4" X 3' Glass Lined Steel Pipe	1,182.54	
33 61 13 00-0006	EA	4" X 4' Glass Lined Steel Pipe	1,405.52	
33 61 13 00-0007	EA	4" X 5' Glass Lined Steel Pipe	1,997.83	
33 61 13 00-0008	EA	4" X 10' Glass Lined Steel Pipe	2,313.72	
33 61 13 00-0009	EA	6" X 1' Glass Lined Steel Pipe	896.84	
33 61 13 00-0010	EA	6" X 2' Glass Lined Steel Pipe	1,942.08	
33 61 13 00-0011	EA	6" X 3' Glass Lined Steel Pipe	1,942.08	
33 61 13 00-0012	EA	6" X 4' Glass Lined Steel Pipe	2,199.91	
33 61 13 00-0013	EA	6" X 5' Glass Lined Steel Pipe	3,549.43	
33 61 13 00-0014	EA	6" X 10' Glass Lined Steel Pipe	4,107.86	
33 61 13 00-0015	EA	8" X 1' Glass Lined Steel Pipe	2,215.48	
33 61 13 00-0016	EA	8" X 2' Glass Lined Steel Pipe	2,668.42	
33 61 13 00-0017	EA	8" X 3' Glass Lined Steel Pipe	2,668.42	
33 61 13 00-0018	EA	8" X 4' Glass Lined Steel Pipe	3,068.77	
33 61 13 00-0019	EA	8" X 5' Glass Lined Steel Pipe	4,156.64	
33 61 13 00-0020	EA	8" X 10' Glass Lined Steel Pipe	4,724.23	
33 61 13 00-0021	EA	12" X 1' Glass Lined Steel Pipe	6,011.65	
33 61 13 00-0022	EA	12" X 2' Glass Lined Steel Pipe	6,011.65	
33 61 13 00-0023	EA	12" X 3' Glass Lined Steel Pipe	6,229.99	
33 61 13 00-0024	EA	12" X 4' Glass Lined Steel Pipe	6,644.22	
33 61 13 00-0025	EA	12" X 5' Glass Lined Steel Pipe	7,455.66	
33 61 13 00-0026	EA	12" X 10' Glass Lined Steel Pipe	9,210.13	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0027	EA	16" X 10' Glass Lined Steel Pipe	12,545.73	
33 61 13 00-0028		**90 Degree Elbow, Glass Lined Steel Fittings** *(33 61 13 00-0001)* Note: 150 PSIG		
33 61 13 00-0029	EA	4" 90 Degree Elbow, Glass Lined Steel Fittings	1,288.91	
33 61 13 00-0030	EA	6" 90 Degree Elbow, Glass Lined Steel Fittings	2,106.94	
33 61 13 00-0031	EA	8" 90 Degree Elbow, Glass Lined Steel Fittings	3,881.23	
33 61 13 00-0032	EA	10" 90 Degree Elbow, Glass Lined Steel Fittings	6,890.03	
33 61 13 00-0033	EA	12" 90 Degree Elbow, Glass Lined Steel Fittings	10,201.78	
33 61 13 00-0034	EA	14" 90 Degree Elbow, Glass Lined Steel Fittings	11,982.59	
33 61 13 00-0035	EA	16" 90 Degree Elbow, Glass Lined Steel Fittings	13,763.14	
33 61 13 00-0036		**45 Degree Elbow, Glass Lined Steel Fittings** *(33 61 13 00-0001)* Note: 150 PSIG		
33 61 13 00-0037	EA	4" 45 Degree Elbow, Glass Lined Steel Fittings	1,263.36	
33 61 13 00-0038	EA	6" 45 Degree Elbow, Glass Lined Steel Fittings	2,106.94	
33 61 13 00-0039	EA	8" 45 Degree Elbow, Glass Lined Steel Fittings	4,057.76	
33 61 13 00-0040	EA	10" 45 Degree Elbow, Glass Lined Steel Fittings	11,433.35	
33 61 13 00-0041	EA	12" 45 Degree Elbow, Glass Lined Steel Fittings	10,201.78	
33 61 13 00-0042	EA	14" 45 Degree Elbow, Glass Lined Steel Fittings	11,982.59	
33 61 13 00-0043	EA	16" 45 Degree Elbow, Glass Lined Steel Fittings	13,763.14	
33 61 13 00-0044		**Tee, Glass Lined Steel Fittings** *(33 61 13 00-0001)* Note: 150 PSIG		
33 61 13 00-0045	EA	4" Tee, Glass Lined Steel Fittings	2,003.67	
33 61 13 00-0046	EA	6" Tee, Glass Lined Steel Fittings	3,439.26	
33 61 13 00-0047	EA	8" Tee, Glass Lined Steel Fittings	5,091.37	
33 61 13 00-0048	EA	10" Tee, Glass Lined Steel Fittings	8,785.48	
33 61 13 00-0049	EA	12" Tee, Glass Lined Steel Fittings	12,503.74	
33 61 13 00-0050	EA	14" Tee, Glass Lined Steel Fittings	14,734.41	
33 61 13 00-0051	EA	16" Tee, Glass Lined Steel Fittings	16,925.97	
33 61 13 00-0052		**Preinsulated Pipe** *(33 61 13)* Note: Includes coupling per full length of pipe. Excludes excavation and backfill. See CSI section 23 01 20 00-0044 for purging of existing system, 31 23 16 00-0000 for excavation, 31 23 16 33-0001 for excavation, 31 23 16 36-0016 for backfill.		
33 61 13 00-0053		**Preinsulated Schedule 40 Black Steel Pipe** *(33 61 13 00-0052)* Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.		
33 61 13 00-0054		**Standard Black Steel Carrier Pipe** *(33 61 13 00-0053)* Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0055	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	39.59	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.42*	
		For Schedule 80 Pipe, Add	*4.24*	
33 61 13 00-0056	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	43.16	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.47*	
		For Schedule 80 Pipe, Add	*4.66*	
33 61 13 00-0057	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	47.34	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.53*	
		For Schedule 80 Pipe, Add	*5.25*	
33 61 13 00-0058	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	50.45	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.56*	
		For Schedule 80 Pipe, Add	*5.64*	
33 61 13 00-0059	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	53.09	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.59*	
		For Schedule 80 Pipe, Add	*5.89*	
33 61 13 00-0060	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	61.24	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.64*	
		For Schedule 80 Pipe, Add	*6.40*	
33 61 13 00-0061	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	70.24	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.69*	
		For Schedule 80 Pipe, Add	*6.92*	
33 61 13 00-0062	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	88.96	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.87*	
		For Schedule 80 Pipe, Add	*8.71*	
33 61 13 00-0063	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	111.33	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.11*	
		For Schedule 80 Pipe, Add	*11.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0064	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	129.85	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.29*	
		For Schedule 80 Pipe, Add	*12.94*	
33 61 13 00-0065	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	172.87	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.88*	
		For Schedule 80 Pipe, Add	*18.83*	
33 61 13 00-0066	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	217.93	
		For High Density Polyethylene (HDPE) Jacket, Add	*2.48*	
		For Schedule 80 Pipe, Add	*24.85*	
33 61 13 00-0067	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	270.28	
		For High Density Polyethylene (HDPE) Jacket, Add	*3.10*	
		For Schedule 80 Pipe, Add	*30.99*	

33 61 13 00-0068 Standard Black Steel Carrier Pipe *(33 61 13 00-0053)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0069	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	41.71	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.47*	
		For Schedule 80 Pipe, Add	*4.66*	
33 61 13 00-0070	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	45.49	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.51*	
		For Schedule 80 Pipe, Add	*5.13*	
33 61 13 00-0071	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	49.96	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.58*	
		For Schedule 80 Pipe, Add	*5.78*	
33 61 13 00-0072	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	53.26	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.62*	
		For Schedule 80 Pipe, Add	*6.20*	
33 61 13 00-0073	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	56.03	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.65*	
		For Schedule 80 Pipe, Add	*6.48*	
33 61 13 00-0074	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pip With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	64.44	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.70*	
		For Schedule 80 Pipe, Add	*7.04*	
33 61 13 00-0075	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	73.70	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.76*	
		For Schedule 80 Pipe, Add	*7.61*	
33 61 13 00-0076	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	93.31	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.96*	
		For Schedule 80 Pipe, Add	*9.58*	
33 61 13 00-0077	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	116.90	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.23*	
		For Schedule 80 Pipe, Add	*12.26*	
33 61 13 00-0078	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	136.32	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.42*	
		For Schedule 80 Pipe, Add	*14.23*	
33 61 13 00-0079	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	182.28	
		For High Density Polyethylene (HDPE) Jacket, Add	*2.07*	
		For Schedule 80 Pipe, Add	*20.71*	
33 61 13 00-0080	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	230.36	
		For High Density Polyethylene (HDPE) Jacket, Add	*2.73*	
		For Schedule 80 Pipe, Add	*27.33*	
33 61 13 00-0081	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	285.78	
		For High Density Polyethylene (HDPE) Jacket, Add	*3.41*	
		For Schedule 80 Pipe, Add	*34.09*	

33 61 13 00-0082 Standard Black Steel Carrier Pipe *(33 61 13 00-0053)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0083	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	42.77	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.49*	
		For Schedule 80 Pipe, Add	*4.88*	
33 61 13 00-0084	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	46.66	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.54*	
		For Schedule 80 Pipe, Add	*5.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0085	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	51.27	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.60*	
		For Schedule 80 Pipe, Add	*6.04*	
33 61 13 00-0086	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	54.67	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.65*	
		For Schedule 80 Pipe, Add	*6.48*	
33 61 13 00-0087	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	57.51	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.68*	
		For Schedule 80 Pipe, Add	*6.78*	
33 61 13 00-0088	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	66.04	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.74*	
		For Schedule 80 Pipe, Add	*7.36*	
33 61 13 00-0089	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	75.43	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.80*	
		For Schedule 80 Pipe, Add	*7.95*	
33 61 13 00-0090	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	95.49	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.00*	
		For Schedule 80 Pipe, Add	*10.02*	
33 61 13 00-0091	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	119.69	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.28*	
		For Schedule 80 Pipe, Add	*12.81*	
33 61 13 00-0092	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	139.55	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.49*	
		For Schedule 80 Pipe, Add	*14.88*	
33 61 13 00-0093	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	186.99	
		For High Density Polyethylene (HDPE) Jacket, Add	*2.17*	
		For Schedule 80 Pipe, Add	*21.65*	
33 61 13 00-0094	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	236.57	
		For High Density Polyethylene (HDPE) Jacket, Add	*2.86*	
		For Schedule 80 Pipe, Add	*28.57*	
33 61 13 00-0095	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	293.53	
		For High Density Polyethylene (HDPE) Jacket, Add	*3.56*	
		For Schedule 80 Pipe, Add	*35.64*	

33 61 13 00-0096 Standard Black Steel Carrier Pipe *(33 61 13 00-0053)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0097	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	44.36	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.52*	
		For Schedule 80 Pipe, Add	*5.19*	
33 61 13 00-0098	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	48.40	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.57*	
		For Schedule 80 Pipe, Add	*5.71*	
33 61 13 00-0099	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	53.24	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.64*	
		For Schedule 80 Pipe, Add	*6.43*	
33 61 13 00-0100	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	56.79	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.69*	
		For Schedule 80 Pipe, Add	*6.90*	
33 61 13 00-0101	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	59.72	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.72*	
		For Schedule 80 Pipe, Add	*7.22*	
33 61 13 00-0102	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	68.44	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.78*	
		For Schedule 80 Pipe, Add	*7.84*	
33 61 13 00-0103	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	78.02	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.85*	
		For Schedule 80 Pipe, Add	*8.47*	
33 61 13 00-0104	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	98.75	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.07*	
		For Schedule 80 Pipe, Add	*10.67*	
33 61 13 00-0105	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	123.87	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.37*	
		For Schedule 80 Pipe, Add	*13.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0106	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	144.40	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.58*	
		For Schedule 80 Pipe, Add	*15.85*	
33 61 13 00-0107	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	194.05	
		For High Density Polyethylene (HDPE) Jacket, Add	*2.31*	
		For Schedule 80 Pipe, Add	*23.06*	
33 61 13 00-0108	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	245.89	
		For High Density Polyethylene (HDPE) Jacket, Add	*3.04*	
		For Schedule 80 Pipe, Add	*30.44*	
33 61 13 00-0109	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	305.15	
		For High Density Polyethylene (HDPE) Jacket, Add	*3.80*	
		For Schedule 80 Pipe, Add	*37.97*	

33 61 13 00-0110 Preinsulated Black Steel Fittings *(33 61 13 00-0052)*

Note: No excavation or backfill.

33 61 13 00-0111 Elbows *(33 61 13 00-0110)*

33 61 13 00-0112 Elbows *(33 61 13 00-0111)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0113	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	302.93	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.35*	
33 61 13 00-0114	EA	1" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	314.63	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.46*	
33 61 13 00-0115	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	362.06	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.07*	
33 61 13 00-0116	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	409.23	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.53*	
33 61 13 00-0117	EA	2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	487.03	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.76*	
33 61 13 00-0118	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	590.48	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.99*	
33 61 13 00-0119	EA	3" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	686.49	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.92*	
33 61 13 00-0120	EA	4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	801.18	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.07*	
33 61 13 00-0121	EA	5" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	944.41	
		For High Density Polyethylene (HDPE) Jacket, Add	*10.37*	
33 61 13 00-0122	EA	6" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,036.06	
		For High Density Polyethylene (HDPE) Jacket, Add	*11.78*	
33 61 13 00-0123	EA	8" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,448.31	
		For High Density Polyethylene (HDPE) Jacket, Add	*17.03*	
33 61 13 00-0124	EA	10" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,957.51	
		For High Density Polyethylene (HDPE) Jacket, Add	*21.77*	
33 61 13 00-0125	EA	12" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,483.97	
		For High Density Polyethylene (HDPE) Jacket, Add	*28.82*	

33 61 13 00-0126 Elbows *(33 61 13 00-0111)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0127	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	319.26	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.68*	
33 61 13 00-0128	EA	1" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	331.35	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.79*	
33 61 13 00-0129	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	381.08	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.45*	
33 61 13 00-0130	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	429.97	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.95*	
33 61 13 00-0131	EA	2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	508.64	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.20*	
33 61 13 00-0132	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	612.96	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.44*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0133	EA	3" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	712.42	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.43*	
33 61 13 00-0134	EA	4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	831.44	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.67*	
33 61 13 00-0135	EA	5" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	983.31	
		For High Density Polyethylene (HDPE) Jacket, Add	*11.15*	
33 61 13 00-0136	EA	6" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,080.25	
		For High Density Polyethylene (HDPE) Jacket, Add	*12.67*	
33 61 13 00-0137	EA	8" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,512.19	
		For High Density Polyethylene (HDPE) Jacket, Add	*18.31*	
33 61 13 00-0138	EA	10" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,039.16	
		For High Density Polyethylene (HDPE) Jacket, Add	*23.41*	
33 61 13 00-0139	EA	12" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,592.04	
		For High Density Polyethylene (HDPE) Jacket, Add	*30.98*	

33 61 13 00-0140 Elbows *(33 61 13 00-0111)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0141	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	335.59	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.01*	
33 61 13 00-0142	EA	1" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	348.06	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.13*	
33 61 13 00-0143	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	400.10	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.83*	
33 61 13 00-0144	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	450.72	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.36*	
33 61 13 00-0145	EA	2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	530.26	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.63*	
33 61 13 00-0146	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	635.43	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.89*	
33 61 13 00-0147	EA	3" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	738.36	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.95*	
33 61 13 00-0148	EA	4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	861.70	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.28*	
33 61 13 00-0149	EA	5" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,022.22	
		For High Density Polyethylene (HDPE) Jacket, Add	*11.93*	
33 61 13 00-0150	EA	6" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,124.44	
		For High Density Polyethylene (HDPE) Jacket, Add	*13.55*	
33 61 13 00-0151	EA	8" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,576.07	
		For High Density Polyethylene (HDPE) Jacket, Add	*19.59*	
33 61 13 00-0152	EA	10" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,120.81	
		For High Density Polyethylene (HDPE) Jacket, Add	*25.04*	
33 61 13 00-0153	EA	12" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,700.10	
		For High Density Polyethylene (HDPE) Jacket, Add	*33.14*	

33 61 13 00-0154 Elbows *(33 61 13 00-0111)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0155	EA	3/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	351.92	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.33*	
33 61 13 00-0156	EA	1" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	364.77	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.46*	
33 61 13 00-0157	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	419.12	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.21*	
33 61 13 00-0158	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	471.47	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.78*	
33 61 13 00-0159	EA	2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	551.87	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0160	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	657.91	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.34*	
33 61 13 00-0161	EA	3" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	764.29	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.47*	
33 61 13 00-0162	EA	4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	891.95	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.88*	
33 61 13 00-0163	EA	5" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,061.12	
		For High Density Polyethylene (HDPE) Jacket, Add	*12.71*	
33 61 13 00-0164	EA	6" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,168.62	
		For High Density Polyethylene (HDPE) Jacket, Add	*14.43*	
33 61 13 00-0165	EA	8" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,639.94	
		For High Density Polyethylene (HDPE) Jacket, Add	*20.87*	
33 61 13 00-0166	EA	10" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,202.46	
		For High Density Polyethylene (HDPE) Jacket, Add	*26.67*	
33 61 13 00-0167	EA	12" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,808.16	
		For High Density Polyethylene (HDPE) Jacket, Add	*35.30*	

33 61 13 00-0168 Tees *(33 61 13 00-0110)*

33 61 13 00-0169 Tees *(33 61 13 00-0168)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0170	EA	3/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	451.09	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.47*	
33 61 13 00-0171	EA	1" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	468.49	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.62*	
33 61 13 00-0172	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	539.15	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.53*	
33 61 13 00-0173	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	609.53	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.22*	
33 61 13 00-0174	EA	2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	725.87	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.56*	
33 61 13 00-0175	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	880.70	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.90*	
33 61 13 00-0176	EA	3" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,024.54	
		For High Density Polyethylene (HDPE) Jacket, Add	*10.27*	
33 61 13 00-0177	EA	4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,195.71	
		For High Density Polyethylene (HDPE) Jacket, Add	*11.98*	
33 61 13 00-0178	EA	5" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,411.08	
		For High Density Polyethylene (HDPE) Jacket, Add	*15.41*	
33 61 13 00-0179	EA	6" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,545.86	
		For High Density Polyethylene (HDPE) Jacket, Add	*17.50*	
33 61 13 00-0180	EA	8" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,158.59	
		For High Density Polyethylene (HDPE) Jacket, Add	*25.30*	
33 61 13 00-0181	EA	10" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,921.46	
		For High Density Polyethylene (HDPE) Jacket, Add	*32.33*	
33 61 13 00-0182	EA	12" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,704.34	
		For High Density Polyethylene (HDPE) Jacket, Add	*42.79*	

33 61 13 00-0183 Tees *(33 61 13 00-0168)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0184	EA	3/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	475.34	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.95*	
33 61 13 00-0185	EA	1" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	493.31	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.12*	
33 61 13 00-0186	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	567.40	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.10*	
33 61 13 00-0187	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	640.34	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.83*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0188	EA	2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	757.96	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.20*	
33 61 13 00-0189	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	914.08	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.57*	
33 61 13 00-0190	EA	3" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,063.06	
		For High Density Polyethylene (HDPE) Jacket, Add	*11.04*	
33 61 13 00-0191	EA	4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,240.64	
		For High Density Polyethylene (HDPE) Jacket, Add	*12.88*	
33 61 13 00-0192	EA	5" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,468.86	
		For High Density Polyethylene (HDPE) Jacket, Add	*16.56*	
33 61 13 00-0193	EA	6" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,611.48	
		For High Density Polyethylene (HDPE) Jacket, Add	*18.81*	
33 61 13 00-0194	EA	8" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,253.45	
		For High Density Polyethylene (HDPE) Jacket, Add	*27.19*	
33 61 13 00-0195	EA	10" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,042.71	
		For High Density Polyethylene (HDPE) Jacket, Add	*34.76*	
33 61 13 00-0196	EA	12" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,864.81	
		For High Density Polyethylene (HDPE) Jacket, Add	*46.00*	

33 61 13 00-0197 Tees *(33 61 13 00-0168)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0198	EA	3/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	499.59	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.44*	
33 61 13 00-0199	EA	1" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	518.13	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.61*	
33 61 13 00-0200	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	595.64	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.66*	
33 61 13 00-0201	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	671.15	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.45*	
33 61 13 00-0202	EA	2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	790.06	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.84*	
33 61 13 00-0203	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	947.46	
		For High Density Polyethylene (HDPE) Jacket, Add	*10.24*	
33 61 13 00-0204	EA	3" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,101.57	
		For High Density Polyethylene (HDPE) Jacket, Add	*11.81*	
33 61 13 00-0205	EA	4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,285.58	
		For High Density Polyethylene (HDPE) Jacket, Add	*13.78*	
33 61 13 00-0206	EA	5" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,526.63	
		For High Density Polyethylene (HDPE) Jacket, Add	*17.72*	
33 61 13 00-0207	EA	6" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,677.09	
		For High Density Polyethylene (HDPE) Jacket, Add	*20.12*	
33 61 13 00-0208	EA	8" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,348.31	
		For High Density Polyethylene (HDPE) Jacket, Add	*29.09*	
33 61 13 00-0209	EA	10" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,163.96	
		For High Density Polyethylene (HDPE) Jacket, Add	*37.18*	
33 61 13 00-0210	EA	12" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,025.29	
		For High Density Polyethylene (HDPE) Jacket, Add	*49.21*	

33 61 13 00-0211 Tees *(33 61 13 00-0168)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0212	EA	3/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	523.84	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.92*	
33 61 13 00-0213	EA	1" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	542.95	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.11*	
33 61 13 00-0214	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	623.88	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0215	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	701.96	
		For High Density Polyethylene (HDPE) Jacket, Add	*10.07*	
33 61 13 00-0216	EA	2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	822.15	
		For High Density Polyethylene (HDPE) Jacket, Add	*10.48*	
33 61 13 00-0217	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	980.84	
		For High Density Polyethylene (HDPE) Jacket, Add	*10.90*	
33 61 13 00-0218	EA	3" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,140.09	
		For High Density Polyethylene (HDPE) Jacket, Add	*12.58*	
33 61 13 00-0219	EA	4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,330.51	
		For High Density Polyethylene (HDPE) Jacket, Add	*14.68*	
33 61 13 00-0220	EA	5" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,584.40	
		For High Density Polyethylene (HDPE) Jacket, Add	*18.87*	
33 61 13 00-0221	EA	6" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,742.71	
		For High Density Polyethylene (HDPE) Jacket, Add	*21.43*	
33 61 13 00-0222	EA	8" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,443.17	
		For High Density Polyethylene (HDPE) Jacket, Add	*30.99*	
33 61 13 00-0223	EA	10" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,285.21	
		For High Density Polyethylene (HDPE) Jacket, Add	*39.61*	
33 61 13 00-0224	EA	12" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,185.77	
		For High Density Polyethylene (HDPE) Jacket, Add	*52.42*	

33 61 13 00-0225 Reducers *(33 61 13 00-0110)*

33 61 13 00-0226 Reducers *(33 61 13 00-0225)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0227	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	257.42	
		For High Density Polyethylene (HDPE) Jacket, Add	*3.61*	
33 61 13 00-0228	EA	1" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	267.55	
		For High Density Polyethylene (HDPE) Jacket, Add	*3.70*	
33 61 13 00-0229	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	308.11	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.21*	
33 61 13 00-0230	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	348.88	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.59*	
33 61 13 00-0231	EA	2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	418.07	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.78*	
33 61 13 00-0232	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	516.99	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.98*	
33 61 13 00-0233	EA	3" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	596.37	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.74*	
33 61 13 00-0234	EA	4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	692.65	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.70*	
33 61 13 00-0235	EA	5" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	813.79	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.61*	
33 61 13 00-0236	EA	6" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	891.36	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.78*	
33 61 13 00-0237	EA	8" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,243.99	
		For High Density Polyethylene (HDPE) Jacket, Add	*14.14*	
33 61 13 00-0238	EA	10" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,685.91	
		For High Density Polyethylene (HDPE) Jacket, Add	*18.07*	
33 61 13 00-0239	EA	12" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,133.12	
		For High Density Polyethylene (HDPE) Jacket, Add	*23.92*	

33 61 13 00-0240 Reducers *(33 61 13 00-0225)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0241	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	270.97	
		For High Density Polyethylene (HDPE) Jacket, Add	*3.89*	
33 61 13 00-0242	EA	1" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	281.42	
		For High Density Polyethylene (HDPE) Jacket, Add	*3.98*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0243	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	323.90	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.53*	
33 61 13 00-0244	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	366.10	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.94*	
33 61 13 00-0245	EA	2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	436.01	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.14*	
33 61 13 00-0246	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	535.65	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.35*	
33 61 13 00-0247	EA	3" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	617.90	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.17*	
33 61 13 00-0248	EA	4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	717.76	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.20*	
33 61 13 00-0249	EA	5" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	846.08	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.26*	
33 61 13 00-0250	EA	6" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	928.03	
		For High Density Polyethylene (HDPE) Jacket, Add	*10.51*	
33 61 13 00-0251	EA	8" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,297.01	
		For High Density Polyethylene (HDPE) Jacket, Add	*15.20*	
33 61 13 00-0252	EA	10" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,753.68	
		For High Density Polyethylene (HDPE) Jacket, Add	*19.43*	
33 61 13 00-0253	EA	12" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,222.82	
		For High Density Polyethylene (HDPE) Jacket, Add	*25.71*	

33 61 13 00-0254 Reducers *(33 61 13 00-0225)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0255	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	284.52	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.16*	
33 61 13 00-0256	EA	1" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	295.29	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.25*	
33 61 13 00-0257	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	339.68	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.84*	
33 61 13 00-0258	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	383.32	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.28*	
33 61 13 00-0259	EA	2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	453.95	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.50*	
33 61 13 00-0260	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	554.30	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.72*	
33 61 13 00-0261	EA	3" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	639.42	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.60*	
33 61 13 00-0262	EA	4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	742.87	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.70*	
33 61 13 00-0263	EA	5" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	878.37	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.90*	
33 61 13 00-0264	EA	6" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	964.71	
		For High Density Polyethylene (HDPE) Jacket, Add	*11.25*	
33 61 13 00-0265	EA	8" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,350.02	
		For High Density Polyethylene (HDPE) Jacket, Add	*16.26*	
33 61 13 00-0266	EA	10" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,821.45	
		For High Density Polyethylene (HDPE) Jacket, Add	*20.78*	
33 61 13 00-0267	EA	12" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,312.51	
		For High Density Polyethylene (HDPE) Jacket, Add	*27.51*	

33 61 13 00-0268 Reducers *(33 61 13 00-0225)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0269	EA	3/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	298.08	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.43*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0270	EA	1" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	309.17	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.53*	
33 61 13 00-0271	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	355.47	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.16*	
33 61 13 00-0272	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	400.54	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.63*	
33 61 13 00-0273	EA	2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	471.89	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.86*	
33 61 13 00-0274	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	572.96	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.09*	
33 61 13 00-0275	EA	3" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	660.95	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.03*	
33 61 13 00-0276	EA	4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	767.99	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.20*	
33 61 13 00-0277	EA	5" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	910.66	
		For High Density Polyethylene (HDPE) Jacket, Add	*10.55*	
33 61 13 00-0278	EA	6" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,001.38	
		For High Density Polyethylene (HDPE) Jacket, Add	*11.98*	
33 61 13 00-0279	EA	8" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,403.04	
		For High Density Polyethylene (HDPE) Jacket, Add	*17.32*	
33 61 13 00-0280	EA	10" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,889.21	
		For High Density Polyethylene (HDPE) Jacket, Add	*22.14*	
33 61 13 00-0281	EA	12" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,402.21	
		For High Density Polyethylene (HDPE) Jacket, Add	*29.30*	

33 61 13 00-0282 Preinsulated Type K Copper Pipe *(33 61 13 00-0052)*
Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.

33 61 13 00-0283 Type K Copper Carrier Pipe *(33 61 13 00-0282)*
Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0284	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	44.55	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.52*	
33 61 13 00-0285	LF	1" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	48.62	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.57*	
33 61 13 00-0286	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	53.48	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.65*	
33 61 13 00-0287	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	57.03	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.69*	
33 61 13 00-0288	LF	2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	59.98	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.72*	
33 61 13 00-0289	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	68.75	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.79*	
33 61 13 00-0290	LF	3" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	78.38	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.85*	
33 61 13 00-0291	LF	4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	99.20	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.07*	
33 61 13 00-0292	LF	5" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	124.42	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.37*	
33 61 13 00-0293	LF	6" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	145.04	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.59*	
33 61 13 00-0294	LF	8" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	194.90	
		For High Density Polyethylene (HDPE) Jacket, Add	*2.31*	
33 61 13 00-0295	LF	10" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	246.95	
		For High Density Polyethylene (HDPE) Jacket, Add	*3.06*	
33 61 13 00-0296	LF	12" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	306.48	
		For High Density Polyethylene (HDPE) Jacket, Add	*3.81*	

33 61 13 00-0297 Type K Copper Carrier Pipe *(33 61 13 00-0282)*
Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0298	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	47.16	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.57*	
33 61 13 00-0299	LF	1" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	51.49	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.63*	
33 61 13 00-0300	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	56.71	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.71*	
33 61 13 00-0301	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	60.50	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.76*	
33 61 13 00-0302	LF	2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	63.60	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.80*	
33 61 13 00-0303	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	72.68	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.87*	
33 61 13 00-0304	LF	3" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	82.63	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.94*	
33 61 13 00-0305	LF	4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	104.55	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.18*	
33 61 13 00-0306	LF	5" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	131.27	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.51*	
33 61 13 00-0307	LF	6" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	153.00	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.75*	
33 61 13 00-0308	LF	8" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	206.48	
		For High Density Polyethylene (HDPE) Jacket, Add	*2.55*	
33 61 13 00-0309	LF	10" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	262.22	
		For High Density Polyethylene (HDPE) Jacket, Add	*3.36*	
33 61 13 00-0310	LF	12" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	325.53	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.19*	

33 61 13 00-0311 Type K Copper Carrier Pipe *(33 61 13 00-0282)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0312	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	48.46	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.60*	
33 61 13 00-0313	LF	1" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	52.92	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.66*	
33 61 13 00-0314	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	58.32	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.74*	
33 61 13 00-0315	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	62.23	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.80*	
33 61 13 00-0316	LF	2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	65.41	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.83*	
33 61 13 00-0317	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	74.65	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.91*	
33 61 13 00-0318	LF	3" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	84.75	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.98*	
33 61 13 00-0319	LF	4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	107.23	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.23*	
33 61 13 00-0320	LF	5" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	134.69	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.58*	
33 61 13 00-0321	LF	6" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	156.97	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.83*	
33 61 13 00-0322	LF	8" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	212.26	
		For High Density Polyethylene (HDPE) Jacket, Add	*2.66*	
33 61 13 00-0323	LF	10" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	269.86	
		For High Density Polyethylene (HDPE) Jacket, Add	*3.51*	
33 61 13 00-0324	LF	12" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	335.06	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0325		Type K Copper Carrier Pipe *(33 61 13 00-0282)*		
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0326	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	50.42	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.64*	
33 61 13 00-0327	LF	1" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	55.07	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.70*	
33 61 13 00-0328	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	60.74	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.79*	
33 61 13 00-0329	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	64.83	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.85*	
33 61 13 00-0330	LF	2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	68.13	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.89*	
33 61 13 00-0331	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	77.61	
		For High Density Polyethylene (HDPE) Jacket, Add	*0.96*	
33 61 13 00-0332	LF	3" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	87.94	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.04*	
33 61 13 00-0333	LF	4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	111.25	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.31*	
33 61 13 00-0334	LF	5" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	139.83	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.68*	
33 61 13 00-0335	LF	6" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	162.94	
		For High Density Polyethylene (HDPE) Jacket, Add	*1.95*	
33 61 13 00-0336	LF	8" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	220.94	
		For High Density Polyethylene (HDPE) Jacket, Add	*2.84*	
33 61 13 00-0337	LF	10" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	281.31	
		For High Density Polyethylene (HDPE) Jacket, Add	*3.74*	
33 61 13 00-0338	LF	12" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	349.35	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.67*	
33 61 13 00-0339		Preinsulated Copper Fittings *(33 61 13 00-0052)*		
33 61 13 00-0340		Elbows *(33 61 13 00-0339)*		
33 61 13 00-0341		Elbows *(33 61 13 00-0340)*		
		Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0342	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	371.13	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.94*	
33 61 13 00-0343	EA	1" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	383.85	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.08*	
33 61 13 00-0344	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	440.30	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.92*	
33 61 13 00-0345	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	492.72	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.55*	
33 61 13 00-0346	EA	2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	566.07	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.86*	
33 61 13 00-0347	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	661.72	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.18*	
33 61 13 00-0348	EA	3" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	768.00	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.44*	
33 61 13 00-0349	EA	4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	896.25	
		For High Density Polyethylene (HDPE) Jacket, Add	*11.01*	
33 61 13 00-0350	EA	5" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,077.82	
		For High Density Polyethylene (HDPE) Jacket, Add	*14.15*	
33 61 13 00-0351	EA	6" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,192.39	
		For High Density Polyethylene (HDPE) Jacket, Add	*16.08*	
33 61 13 00-0352	EA	8" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,680.76	
		For High Density Polyethylene (HDPE) Jacket, Add	*23.24*	
33 61 13 00-0353	EA	10" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,240.68	
		For High Density Polyethylene (HDPE) Jacket, Add	*29.70*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 61 13 00-0354	EA	12" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,872.81	
			For High Density Polyethylene (HDPE) Jacket, Add	*39.32*	

33 61 13 00-0355 Elbows *(33 61 13 00-0340)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

	33 61 13 00-0356	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	393.41	
			For High Density Polyethylene (HDPE) Jacket, Add	*6.39*	
	33 61 13 00-0357	EA	1" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	406.65	
			For High Density Polyethylene (HDPE) Jacket, Add	*6.54*	
	33 61 13 00-0358	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	466.25	
			For High Density Polyethylene (HDPE) Jacket, Add	*7.44*	
	33 61 13 00-0359	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	521.02	
			For High Density Polyethylene (HDPE) Jacket, Add	*8.11*	
	33 61 13 00-0360	EA	2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	595.56	
			For High Density Polyethylene (HDPE) Jacket, Add	*8.45*	
	33 61 13 00-0361	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	692.38	
			For High Density Polyethylene (HDPE) Jacket, Add	*8.79*	
	33 61 13 00-0362	EA	3" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	803.39	
			For High Density Polyethylene (HDPE) Jacket, Add	*10.14*	
	33 61 13 00-0363	EA	4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	937.53	
			For High Density Polyethylene (HDPE) Jacket, Add	*11.83*	
	33 61 13 00-0364	EA	5" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,130.90	
			For High Density Polyethylene (HDPE) Jacket, Add	*15.22*	
	33 61 13 00-0365	EA	6" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,252.67	
			For High Density Polyethylene (HDPE) Jacket, Add	*17.28*	
	33 61 13 00-0366	EA	8" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,767.91	
			For High Density Polyethylene (HDPE) Jacket, Add	*24.98*	
	33 61 13 00-0367	EA	10" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,352.08	
			For High Density Polyethylene (HDPE) Jacket, Add	*31.93*	
	33 61 13 00-0368	EA	12" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,020.24	
			For High Density Polyethylene (HDPE) Jacket, Add	*42.26*	

33 61 13 00-0369 Elbows *(33 61 13 00-0340)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

	33 61 13 00-0370	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	415.69	
			For High Density Polyethylene (HDPE) Jacket, Add	*6.83*	
	33 61 13 00-0371	EA	1" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	429.45	
			For High Density Polyethylene (HDPE) Jacket, Add	*6.99*	
	33 61 13 00-0372	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	492.20	
			For High Density Polyethylene (HDPE) Jacket, Add	*7.96*	
	33 61 13 00-0373	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	549.33	
			For High Density Polyethylene (HDPE) Jacket, Add	*8.68*	
	33 61 13 00-0374	EA	2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	625.05	
			For High Density Polyethylene (HDPE) Jacket, Add	*9.04*	
	33 61 13 00-0375	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	723.05	
			For High Density Polyethylene (HDPE) Jacket, Add	*9.40*	
	33 61 13 00-0376	EA	3" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	838.77	
			For High Density Polyethylene (HDPE) Jacket, Add	*10.85*	
	33 61 13 00-0377	EA	4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	978.82	
			For High Density Polyethylene (HDPE) Jacket, Add	*12.66*	
	33 61 13 00-0378	EA	5" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,183.98	
			For High Density Polyethylene (HDPE) Jacket, Add	*16.28*	
	33 61 13 00-0379	EA	6" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,313.15	
			For High Density Polyethylene (HDPE) Jacket, Add	*18.49*	
	33 61 13 00-0380	EA	8" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,854.96	
			For High Density Polyethylene (HDPE) Jacket, Add	*26.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0381	EA	10" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,463.16	
		For High Density Polyethylene (HDPE) Jacket, Add	*34.16*	
33 61 13 00-0382	EA	12" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,167.91	
		For High Density Polyethylene (HDPE) Jacket, Add	*45.21*	

33 61 13 00-0383 Elbows *(33 61 13 00-0340)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0384	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	437.96	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.28*	
33 61 13 00-0385	EA	1" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	452.26	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.45*	
33 61 13 00-0386	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	518.15	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.48*	
33 61 13 00-0387	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	577.64	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.25*	
33 61 13 00-0388	EA	2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	654.53	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.63*	
33 61 13 00-0389	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	753.72	
		For High Density Polyethylene (HDPE) Jacket, Add	*10.02*	
33 61 13 00-0390	EA	3" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	874.15	
		For High Density Polyethylene (HDPE) Jacket, Add	*11.56*	
33 61 13 00-0391	EA	4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,020.10	
		For High Density Polyethylene (HDPE) Jacket, Add	*13.49*	
33 61 13 00-0392	EA	5" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,237.05	
		For High Density Polyethylene (HDPE) Jacket, Add	*17.34*	
33 61 13 00-0393	EA	6" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,373.43	
		For High Density Polyethylene (HDPE) Jacket, Add	*19.69*	
33 61 13 00-0394	EA	8" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,942.11	
		For High Density Polyethylene (HDPE) Jacket, Add	*28.47*	
33 61 13 00-0395	EA	10" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,574.55	
		For High Density Polyethylene (HDPE) Jacket, Add	*36.39*	
33 61 13 00-0396	EA	12" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,315.34	
		For High Density Polyethylene (HDPE) Jacket, Add	*48.16*	

33 61 13 00-0397 Tees *(33 61 13 00-0339)*

33 61 13 00-0398 Tees *(33 61 13 00-0397)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0399	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	552.21	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.82*	
33 61 13 00-0400	EA	1" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	571.10	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.03*	
33 61 13 00-0401	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	655.13	
		For High Density Polyethylene (HDPE) Jacket, Add	*10.28*	
33 61 13 00-0402	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	733.26	
		For High Density Polyethylene (HDPE) Jacket, Add	*11.21*	
33 61 13 00-0403	EA	2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	842.89	
		For High Density Polyethylene (HDPE) Jacket, Add	*11.68*	
33 61 13 00-0404	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	986.00	
		For High Density Polyethylene (HDPE) Jacket, Add	*12.14*	
33 61 13 00-0405	EA	3" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,144.97	
		For High Density Polyethylene (HDPE) Jacket, Add	*14.01*	
33 61 13 00-0406	EA	4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,336.14	
		For High Density Polyethylene (HDPE) Jacket, Add	*16.35*	
33 61 13 00-0407	EA	5" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,608.11	
		For High Density Polyethylene (HDPE) Jacket, Add	*21.02*	
33 61 13 00-0408	EA	6" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,776.99	
		For High Density Polyethylene (HDPE) Jacket, Add	*23.87*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0409	EA	8" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,502.65	
		For High Density Polyethylene (HDPE) Jacket, Add	*34.51*	
33 61 13 00-0410	EA	10" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,340.03	
		For High Density Polyethylene (HDPE) Jacket, Add	*44.11*	
33 61 13 00-0411	EA	12" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,279.74	
		For High Density Polyethylene (HDPE) Jacket, Add	*58.38*	

33 61 13 00-0412 Tees *(33 61 13 00-0397)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0413	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	585.29	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.48*	
33 61 13 00-0414	EA	1" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	604.96	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.71*	
33 61 13 00-0415	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	693.66	
		For High Density Polyethylene (HDPE) Jacket, Add	*11.05*	
33 61 13 00-0416	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	775.29	
		For High Density Polyethylene (HDPE) Jacket, Add	*12.05*	
33 61 13 00-0417	EA	2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	886.68	
		For High Density Polyethylene (HDPE) Jacket, Add	*12.55*	
33 61 13 00-0418	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,031.54	
		For High Density Polyethylene (HDPE) Jacket, Add	*13.05*	
33 61 13 00-0419	EA	3" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,197.51	
		For High Density Polyethylene (HDPE) Jacket, Add	*15.06*	
33 61 13 00-0420	EA	4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,397.45	
		For High Density Polyethylene (HDPE) Jacket, Add	*17.57*	
33 61 13 00-0421	EA	5" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,686.92	
		For High Density Polyethylene (HDPE) Jacket, Add	*22.59*	
33 61 13 00-0422	EA	6" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,866.51	
		For High Density Polyethylene (HDPE) Jacket, Add	*25.66*	
33 61 13 00-0423	EA	8" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,632.06	
		For High Density Polyethylene (HDPE) Jacket, Add	*37.10*	
33 61 13 00-0424	EA	10" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,505.45	
		For High Density Polyethylene (HDPE) Jacket, Add	*47.42*	
33 61 13 00-0425	EA	12" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,498.67	
		For High Density Polyethylene (HDPE) Jacket, Add	*62.76*	

33 61 13 00-0426 Tees *(33 61 13 00-0397)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0427	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	618.37	
		For High Density Polyethylene (HDPE) Jacket, Add	*10.15*	
33 61 13 00-0428	EA	1" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	638.82	
		For High Density Polyethylene (HDPE) Jacket, Add	*10.38*	
33 61 13 00-0429	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	732.20	
		For High Density Polyethylene (HDPE) Jacket, Add	*11.82*	
33 61 13 00-0430	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	817.33	
		For High Density Polyethylene (HDPE) Jacket, Add	*12.89*	
33 61 13 00-0431	EA	2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	930.47	
		For High Density Polyethylene (HDPE) Jacket, Add	*13.43*	
33 61 13 00-0432	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,077.08	
		For High Density Polyethylene (HDPE) Jacket, Add	*13.97*	
33 61 13 00-0433	EA	3" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,250.06	
		For High Density Polyethylene (HDPE) Jacket, Add	*16.11*	
33 61 13 00-0434	EA	4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,458.75	
		For High Density Polyethylene (HDPE) Jacket, Add	*18.80*	
33 61 13 00-0435	EA	5" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,765.74	
		For High Density Polyethylene (HDPE) Jacket, Add	*24.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0436	EA	6" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,956.31	
		For High Density Polyethylene (HDPE) Jacket, Add	*27.45*	
33 61 13 00-0437	EA	8" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,760.73	
		For High Density Polyethylene (HDPE) Jacket, Add	*39.69*	
33 61 13 00-0438	EA	10" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,669.13	
		For High Density Polyethylene (HDPE) Jacket, Add	*50.73*	
33 61 13 00-0439	EA	12" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,719.62	
		For High Density Polyethylene (HDPE) Jacket, Add	*67.14*	

33 61 13 00-0440 Tees *(33 61 13 00-0397)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0441	EA	3/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	651.46	
		For High Density Polyethylene (HDPE) Jacket, Add	*10.81*	
33 61 13 00-0442	EA	1" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	672.68	
		For High Density Polyethylene (HDPE) Jacket, Add	*11.06*	
33 61 13 00-0443	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	770.73	
		For High Density Polyethylene (HDPE) Jacket, Add	*12.59*	
33 61 13 00-0444	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	859.37	
		For High Density Polyethylene (HDPE) Jacket, Add	*13.73*	
33 61 13 00-0445	EA	2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	974.25	
		For High Density Polyethylene (HDPE) Jacket, Add	*14.30*	
33 61 13 00-0446	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,122.62	
		For High Density Polyethylene (HDPE) Jacket, Add	*14.88*	
33 61 13 00-0447	EA	3" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,302.60	
		For High Density Polyethylene (HDPE) Jacket, Add	*17.16*	
33 61 13 00-0448	EA	4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,520.05	
		For High Density Polyethylene (HDPE) Jacket, Add	*20.03*	
33 61 13 00-0449	EA	5" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,844.56	
		For High Density Polyethylene (HDPE) Jacket, Add	*25.75*	
33 61 13 00-0450	EA	6" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,045.83	
		For High Density Polyethylene (HDPE) Jacket, Add	*29.24*	
33 61 13 00-0451	EA	8" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,890.15	
		For High Density Polyethylene (HDPE) Jacket, Add	*42.28*	
33 61 13 00-0452	EA	10" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,834.55	
		For High Density Polyethylene (HDPE) Jacket, Add	*54.04*	
33 61 13 00-0453	EA	12" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,938.56	
		For High Density Polyethylene (HDPE) Jacket, Add	*71.52*	

33 61 13 00-0454 Reducers *(33 61 13 00-0339)*

33 61 13 00-0455 Reducers *(33 61 13 00-0454)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0456	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	313.25	
		For High Density Polyethylene (HDPE) Jacket, Add	*4.93*	
33 61 13 00-0457	EA	1" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	324.16	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.05*	
33 61 13 00-0458	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	372.05	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.74*	
33 61 13 00-0459	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	416.97	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.27*	
33 61 13 00-0460	EA	2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	481.87	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.53*	
33 61 13 00-0461	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	572.61	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.79*	
33 61 13 00-0462	EA	3" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	660.56	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.83*	
33 61 13 00-0463	EA	4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	767.94	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.14*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0464	EA	5" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	920.64	
		For High Density Polyethylene (HDPE) Jacket, Add	*11.75*	
33 61 13 00-0465	EA	6" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,017.02	
		For High Density Polyethylene (HDPE) Jacket, Add	*13.34*	
33 61 13 00-0466	EA	8" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,431.42	
		For High Density Polyethylene (HDPE) Jacket, Add	*19.29*	
33 61 13 00-0467	EA	10" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,913.05	
		For High Density Polyethylene (HDPE) Jacket, Add	*24.66*	
33 61 13 00-0468	EA	12" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,446.54	
		For High Density Polyethylene (HDPE) Jacket, Add	*32.63*	

33 61 13 00-0469 Reducers *(33 61 13 00-0454)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0470	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	331.74	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.30*	
33 61 13 00-0471	EA	1" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	343.09	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.43*	
33 61 13 00-0472	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	393.59	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.17*	
33 61 13 00-0473	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	440.47	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.74*	
33 61 13 00-0474	EA	2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	506.34	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.02*	
33 61 13 00-0475	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	598.06	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.30*	
33 61 13 00-0476	EA	3" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	689.93	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.42*	
33 61 13 00-0477	EA	4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	802.21	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.82*	
33 61 13 00-0478	EA	5" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	964.69	
		For High Density Polyethylene (HDPE) Jacket, Add	*12.63*	
33 61 13 00-0479	EA	6" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,067.05	
		For High Density Polyethylene (HDPE) Jacket, Add	*14.34*	
33 61 13 00-0480	EA	8" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,503.75	
		For High Density Polyethylene (HDPE) Jacket, Add	*20.74*	
33 61 13 00-0481	EA	10" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,005.51	
		For High Density Polyethylene (HDPE) Jacket, Add	*26.50*	
33 61 13 00-0482	EA	12" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,568.91	
		For High Density Polyethylene (HDPE) Jacket, Add	*35.08*	

33 61 13 00-0483 Reducers *(33 61 13 00-0454)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0484	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	350.23	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.67*	
33 61 13 00-0485	EA	1" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	362.01	
		For High Density Polyethylene (HDPE) Jacket, Add	*5.80*	
33 61 13 00-0486	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	415.12	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.60*	
33 61 13 00-0487	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	463.96	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.21*	
33 61 13 00-0488	EA	2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	530.81	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.51*	
33 61 13 00-0489	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	623.51	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.81*	
33 61 13 00-0490	EA	3" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	719.30	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0491	EA	4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	836.47	
		For High Density Polyethylene (HDPE) Jacket, Add	*10.51*	
33 61 13 00-0492	EA	5" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,008.75	
		For High Density Polyethylene (HDPE) Jacket, Add	*13.51*	
33 61 13 00-0493	EA	6" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,117.24	
		For High Density Polyethylene (HDPE) Jacket, Add	*15.34*	
33 61 13 00-0494	EA	8" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,575.81	
		For High Density Polyethylene (HDPE) Jacket, Add	*22.18*	
33 61 13 00-0495	EA	10" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,097.71	
		For High Density Polyethylene (HDPE) Jacket, Add	*28.35*	
33 61 13 00-0496	EA	12" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,691.47	
		For High Density Polyethylene (HDPE) Jacket, Add	*37.53*	

33 61 13 00-0497 Reducers *(33 61 13 00-0454)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0498	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	368.72	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.04*	
33 61 13 00-0499	EA	1" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	380.94	
		For High Density Polyethylene (HDPE) Jacket, Add	*6.18*	
33 61 13 00-0500	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	436.66	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.04*	
33 61 13 00-0501	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	487.46	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.68*	
33 61 13 00-0502	EA	2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	555.29	
		For High Density Polyethylene (HDPE) Jacket, Add	*7.99*	
33 61 13 00-0503	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	648.97	
		For High Density Polyethylene (HDPE) Jacket, Add	*8.31*	
33 61 13 00-0504	EA	3" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	748.67	
		For High Density Polyethylene (HDPE) Jacket, Add	*9.59*	
33 61 13 00-0505	EA	4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	870.73	
		For High Density Polyethylene (HDPE) Jacket, Add	*11.19*	
33 61 13 00-0506	EA	5" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,052.80	
		For High Density Polyethylene (HDPE) Jacket, Add	*14.39*	
33 61 13 00-0507	EA	6" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,167.27	
		For High Density Polyethylene (HDPE) Jacket, Add	*16.34*	
33 61 13 00-0508	EA	8" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,648.14	
		For High Density Polyethylene (HDPE) Jacket, Add	*23.63*	
33 61 13 00-0509	EA	10" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,190.17	
		For High Density Polyethylene (HDPE) Jacket, Add	*30.20*	
33 61 13 00-0510	EA	12" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,813.84	
		For High Density Polyethylene (HDPE) Jacket, Add	*39.97*	

33 61 13 00-0511 Preinsulated Ductile Iron Carrier Pipe *(33 61 13 00-0052)*

Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.

33 61 13 00-0512 Ductile Iron Carrier Pipe *(33 61 13 00-0511)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0513	LF	4" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	90.44	
33 61 13 00-0514	LF	6" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	131.68	
33 61 13 00-0515	LF	8" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	173.02	
33 61 13 00-0516	LF	10" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	216.54	
33 61 13 00-0517	LF	12" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	268.30	

33 61 13 00-0518 Ductile Iron Carrier Pipe *(33 61 13 00-0511)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0519	LF	4" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	94.75	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0520	LF	6" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	138.08	
33 61 13 00-0521	LF	8" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	182.34	
33 61 13 00-0522	LF	10" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	228.84	
33 61 13 00-0523	LF	12" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	283.64	
33 61 13 00-0524	LF	14" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	308.75	
33 61 13 00-0525	LF	16" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	344.38	
33 61 13 00-0526	LF	18" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	383.62	
33 61 13 00-0527	LF	20" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	419.44	
33 61 13 00-0528	LF	24" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	489.30	
33 61 13 00-0529		Preinsulated Ductile Iron Fittings *(33 61 13 00-0052)*		
33 61 13 00-0530		Elbows *(33 61 13 00-0529)*		
33 61 13 00-0531		Elbows *(33 61 13 00-0530)*		
		Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0532	EA	4" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	779.29	
33 61 13 00-0533	EA	6" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,004.09	
33 61 13 00-0534	EA	8" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,402.09	
33 61 13 00-0535	EA	10" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,898.44	
33 61 13 00-0536	EA	12" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,405.79	
33 61 13 00-0537		Elbows *(33 61 13 00-0530)*		
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0538	EA	4" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	832.53	
33 61 13 00-0539	EA	6" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,081.84	
33 61 13 00-0540	EA	8" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,514.49	
33 61 13 00-0541	EA	10" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,042.10	
33 61 13 00-0542	EA	12" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,595.93	
33 61 13 00-0543	EA	14" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	3,144.85	
33 61 13 00-0544	EA	16" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	3,690.89	
33 61 13 00-0545	EA	18" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	4,598.58	
33 61 13 00-0546	EA	20" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	5,853.36	
33 61 13 00-0547	EA	24" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	7,689.20	
33 61 13 00-0548		Tees *(33 61 13 00-0529)*		
33 61 13 00-0549		Tees *(33 61 13 00-0548)*		
		Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0550	EA	4" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,163.20	
33 61 13 00-0551	EA	6" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,498.39	
33 61 13 00-0552	EA	8" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,089.96	
33 61 13 00-0553	EA	10" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,833.74	
33 61 13 00-0554	EA	12" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	3,588.23	
33 61 13 00-0555		Tees *(33 61 13 00-0548)*		
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0556	EA	4" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,242.26	
33 61 13 00-0557	EA	6" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,613.84	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0558	EA	8" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,256.86	
33 61 13 00-0559	EA	10" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	3,047.08	
33 61 13 00-0560	EA	12" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	3,870.59	
33 61 13 00-0561	EA	14" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	4,567.42	
33 61 13 00-0562	EA	16" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	5,361.98	
33 61 13 00-0563	EA	18" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	6,681.89	
33 61 13 00-0564	EA	20" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	8,511.40	
33 61 13 00-0565	EA	24" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	11,181.89	
33 61 13 00-0566		Reducers *(33 61 13 00-0529)*		
33 61 13 00-0567		Reducers *(33 61 13 00-0566)*		
		Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0568	EA	4" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	674.48	
33 61 13 00-0569	EA	6" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	864.82	
33 61 13 00-0570	EA	8" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,205.63	
33 61 13 00-0571	EA	10" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,636.88	
33 61 13 00-0572	EA	12" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,068.23	
33 61 13 00-0573		Reducers *(33 61 13 00-0566)*		
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0574	EA	4" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	718.67	
33 61 13 00-0575	EA	6" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	929.35	
33 61 13 00-0576	EA	8" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,298.91	
33 61 13 00-0577	EA	10" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,756.12	
33 61 13 00-0578	EA	12" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,226.05	
33 61 13 00-0579	EA	14" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,624.16	
33 61 13 00-0580	EA	16" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	3,075.93	
33 61 13 00-0581	EA	18" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	3,801.73	
33 61 13 00-0582	EA	20" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	4,882.42	
33 61 13 00-0583	EA	24" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	6,433.60	
33 61 13 00-0584		Tempered Water Piping Pre-Insulated *(33 61 13 00-0052)*		
33 61 13 00-0585		Fiberglass Reinforced Polyester (FRP) Carrier And Casing, 1" Polyurethane Insulation *(33 61 13 00-0584)*		
33 61 13 00-0586	LF	4" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	47.38	16.45
33 61 13 00-0587	LF	6" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	56.80	17.89
33 61 13 00-0588	LF	8" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	75.02	19.51
33 61 13 00-0589	LF	10" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	99.74	24.38
33 61 13 00-0590	LF	12" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	126.93	30.07
33 61 13 00-0591		Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing, 1" Polyurethane Insulation *(33 61 13 00-0584)*		
33 61 13 00-0592	LF	4" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	33.45	17.89
33 61 13 00-0593	LF	6" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	35.59	17.89
33 61 13 00-0594	LF	8" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	37.59	17.89
33 61 13 00-0595	LF	10" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	45.17	21.14
33 61 13 00-0596	LF	12" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	55.31	26.84

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0597		Polyvinyl Chloride (PVC) Carrier And Casing, 1" Polyurethane Insulation *(33 61 13 00-0584)*		
33 61 13 00-0598	LF	4" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	33.45	17.89
33 61 13 00-0599	LF	6" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	35.59	17.89
33 61 13 00-0600	LF	8" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	37.59	17.89
33 61 13 00-0601	LF	10" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	45.17	21.14
33 61 13 00-0602	LF	12" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	55.31	26.84

33 70 Electrical Utilities *(33)*

33 71 Electrical Utility Transmission And Distribution *(33 70)*

33 71 19 Electrical Underground Ducts And Manholes *(33 71)*

Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 71 19 00-0001 Electrical Handholes And Pull Boxes *(33 71 19)*

33 71 19 00-0002 Electrical Pull Boxes *(33 71 19 00-0001)*

See CSI section 33 05 16 13-0427 for handholes.

33 71 19 00-0003	EA	24" x 36" x 24", Electric Pull Boxes, Precast Concrete	1,331.95
33 71 19 00-0004	EA	24" x 36" x 36", Electric Pull Boxes, Precast Concrete	1,584.69
33 71 19 00-0005	EA	30" x 48" x 36", Electric Pull Boxes, Precast Concrete	1,825.30
33 71 19 00-0006	EA	36" x 72" x 24", Electric Pull Boxes, Precast Concrete	2,787.44
33 71 19 00-0007	EA	36" x 60" x 36", Electric Pull Boxes, Precast Concrete	2,961.86
33 71 19 00-0008	EA	48" x 48" x 36", Electric Pull Boxes, Precast Concrete	3,179.70
33 71 19 00-0009	EA	48" x 60" x 48", Electric Pull Boxes, Precast Concrete	3,654.30

33 71 19 00-0010 Electrical Pull Boxes (CALTRAN) *(33 71 19 00-0001)*

33 71 19 00-0011	EA	Body, CALTRANS 3-1/2 Precast Concrete Pull Box	91.12
33 71 19 00-0012	EA	Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	31.26
33 71 19 00-0013	EA	Bolt Down Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	50.42
33 71 19 00-0014	EA	Bolt Down Cast Iron Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	95.24
33 71 19 00-0015	EA	Bolt Down Steel Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	141.72
		For Galvanized Steel Cover, Add	*22.50*
33 71 19 00-0016	EA	12" Extension, CALTRANS 3-1/2 Precast Concrete Pull Box	43.27
33 71 19 00-0017	EA	Flat Plate Base, CALTRANS 3-1/2 Precast Concrete Pull Box	43.27
33 71 19 00-0018	EA	Body, CALTRANS 5 Precast Concrete Pull Box	132.15
33 71 19 00-0019	EA	Concrete Cover, CALTRANS 5 Precast Concrete Pull Box	40.06
33 71 19 00-0020	EA	Bolt Down Concrete Cover, CALTRANS 5 Precast Concrete Pull Box	59.22
33 71 19 00-0021	EA	Bolt Down Steel Cover, CALTRANS 5 Precast Concrete Pull Box	184.62
		For Galvanized Steel Cover, Add	*41.25*
33 71 19 00-0022	EA	12" Extension, CALTRANS 5 Precast Concrete Pull Box	57.02
33 71 19 00-0023	EA	Flat Plate Base, CALTRANS 5 Precast Concrete Pull Box	54.00
33 71 19 00-0024	EA	Body, CALTRANS 6 Precast Concrete Pull Box	140.95
33 71 19 00-0025	EA	Concrete Cover, CALTRANS 6 Precast Concrete Pull Box	51.88
33 71 19 00-0026	EA	Bolt Down Concrete Cover, CALTRANS 6 Precast Concrete Pull Box	71.04
33 71 19 00-0027	EA	Bolt Down Steel Cover, CALTRANS 6 Precast Concrete Pull Box	249.52
		For Galvanized Steel Cover, Add	*57.75*
33 71 19 00-0028	EA	12" Extension, CALTRANS 6 Precast Concrete Pull Box	65.82
33 71 19 00-0029	EA	Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box	62.52
33 71 19 00-0030	EA	6" Return Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box	82.32
33 71 19 00-0031	EA	Body, CALTRANS 3-1/2-T Precast Concrete Pull Box	171.70
33 71 19 00-0032	EA	Bolt Down Concrete Cover, CALTRANS 3-1/2-T Precast Concrete Pull Box	219.82
33 71 19 00-0033	EA	12" Extension, CALTRANS 3-1/2-T Precast Concrete Pull Box	76.82
33 71 19 00-0034	EA	Flat Plate Base, CALTRANS 3-1/2-T Precast Concrete Pull Box	71.32
33 71 19 00-0035	EA	Body, CALTRANS 5-T Precast Concrete Pull Box	228.95
33 71 19 00-0036	EA	Bolt Down Concrete Cover, CALTRANS 5-T Precast Concrete Pull Box	313.32
33 71 19 00-0037	EA	12" Extension, CALTRANS 5-T Precast Concrete Pull Box	90.02
33 71 19 00-0038	EA	Flat Plate Base, CALTRANS 5-T Precast Concrete Pull Box	87.82
33 71 19 00-0039	EA	Body, CALTRANS 6-T Precast Concrete Pull Box	309.25
33 71 19 00-0040	EA	Bolt Down Concrete Cover, CALTRANS 6-T Precast Concrete Pull Box	434.32
33 71 19 00-0041	EA	12" Extension, CALTRANS 6-T Precast Concrete Pull Box	145.02
33 71 19 00-0042	EA	Flat Plate Base, CALTRANS 6-T Precast Concrete Pull Box	115.32

33 71 19 00-0043 Electrical Property Line Boxes *(33 71 19)*

33 71 19 00-0044	EA	3'-6" x 2'-9" x 2' Deep Property Line Box	2,502.57	293.40
33 71 19 00-0045	EA	4'-6" x 3'-6" x 4' Deep Property Line Box	2,915.57	304.27
33 71 19 00-0046	EA	6' x 4' x 5' Deep Property Line Box	3,221.36	369.47
33 71 19 00-0047	EA	11'-6" x 4'-6" x 6' Deep Property Line Box	4,918.25	543.34

33 71 19 00-0048 Underground Electrical Concrete Markers *(33 71 19)*

33 71 19 00-0049	EA	36" x 6" x 6", Underground Electric Concrete Marker	247.09

33 71 19 00-0050 Manhole Accessories *(33 71 19)*

33 71 19 00-0051	EA	6" Precast Grade Ring Riser Casting	345.47
33 71 19 00-0052	EA	12" Precast Grade Ring Riser Casting	374.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 71 19 00-0053	EA	36" Opening Cast Iron Frame And Cover NEENAH #R-1640-D	1,202.92	
33 71 19 00-0054	EA	42" Opening Cast Iron Frame And Cover NEENAH #R-1740-E1	1,565.00	
33 71 19 00-0055	EA	Cast Iron Adjusting Ring NEENAH #R-1979	528.98	
33 71 19 00-0056	EA	Cast Iron Frame And Cover NEENAH #R-1640-B	664.13	

END OF SECTION 33

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

34 Transportation

34 40 Transportation Signaling and Control Equipment *(34)*

34 41 Roadway Signaling and Control Equipment *(34 40)*

34 41 13 Traffic Signals *(34 41)*

34 41 13 00-0001 Traffic Signals *(34 41 13)*

34 41 13 00-0002	EA	Single Traffic Signal Head, 4 Way Pattern	4,807.93	556.36

34 41 13 00-0003 Traffic Detector Induction Loop *(34 41 13)*

34 41 13 00-0004	EA	6' x 6' Traffic Signal Loop, Type A, 3 Turns Per Loop Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	291.03	
34 41 13 00-0005	EA	6' x 6' Traffic Signal Loop, Type D, 3 Turns Per Loop Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	363.19	
34 41 13 00-0006	EA	6' x 6' Traffic Signal Loop, Type D, 5 Turns Per Loop Note: Includes saw cutting, 5 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	407.70	
34 41 13 00-0007	EA	6' x 6' Traffic Signal Loop, Type Q, 3 Turns Per Loop Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	356.83	
34 41 13 00-0008	EA	6' x 20' Traffic Signal Loop, Type C, 3 Turns Per Loop Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	619.20	
34 41 13 00-0009	EA	6' x 28' Traffic Signal Loop, Type C, 2 Turns Per Loop Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	764.01	
34 41 13 00-0010	EA	6' x 28' Traffic Signal Loop, Type C, 3 Turns Per Loop Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	809.79	
34 41 13 00-0011	EA	6' x 40' Traffic Signal Loop, Type C, 1 Turn Per Loop Note: Includes saw cutting, 1 turn wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,013.52	
34 41 13 00-0012	EA	6' x 40' Traffic Signal Loop, Type C, 2 Turns Per Loop Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,081.15	
34 41 13 00-0013	EA	6' x 50' Traffic Signal Loop, Type C, 1 Turn Per Loop Note: Includes saw cutting, 1 turn wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,169.91	
34 41 13 00-0014	EA	6' x 50' Traffic Signal Loop, Type C, 2 Turns Per Loop Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,252.53	
34 41 13 00-0015	LF	Traffic Signal Detector Lead Wire For Loop Cable In Pavement Note: Includes saw cutting, sealing and splicing into traffic signal loop wire in street. Excludes junction box or conduit.	5.36	
34 41 13 00-0016	LF	Traffic Signal Detector Lead Wire For Loop Cable In Earthwork Note: Includes trenching in earthwork and splicing into traffic signal loop wire. Excludes junction box or conduit.	2.47	
34 41 13 00-0017	EA	Vehicle Traffic Loop Detector, 2 Channel, Rack Mounted (Reno A&E Model 222)	149.58	
34 41 13 00-0018	EA	Vehicle Traffic Loop Detector, 2 Channel, Rack Mounted (Reno A&E Model C-1100)	255.86	
34 41 13 00-0019	EA	Vehicle Traffic Loop Detector, 4 Channel, Rack Mounted (Reno A&E Model E-1100)	406.75	

34 41 13 00-0020 Overhead Traffic Signals *(34 41 13)*

34 41 13 00-0021	EA	Traffic Signal Controller Unit, TS 2 Type 1 (ASC/3-1000)	3,497.25	741.80
34 41 13 00-0022	EA	Traffic Signal Controller Unit, TS 2 Type 2 (ASC/3-2100)	3,593.77	741.80
34 41 13 00-0023	EA	Traffic Signal Controller Unit, Replacement For Type 170E (ASC/3RM)	3,724.35	741.80
34 41 13 00-0024	EA	Optical Detector For Mast Arm Mounting, 1 Channel, 1 Way	661.34	164.58
34 41 13 00-0025	EA	Optical Detector For Mast Arm Mounting, 1 Channel, 2 Way	718.11	164.58
34 41 13 00-0026	EA	Optical Detector For Mast Arm Mounting, 2 Channel	904.33	164.58
34 41 13 00-0027	EA	Optical Detector For Pole-Side Mounting, 1 Channel, 1 Way	661.34	164.58
34 41 13 00-0028	EA	Optical Detector For Pole-Side Mounting, 1 Channel, 2 Way	718.11	164.58
34 41 13 00-0029	EA	Optical Detector For Pole-Side Mounting, 2 Channel	904.33	164.58
34 41 13 00-0030	EA	Optical Detector For Pedestal Or Pipe Mounting, 1 Channel, 1 Way	661.34	164.58
34 41 13 00-0031	EA	Optical Detector For Pedestal Or Pipe Mounting, 1 Channel, 2 Way	718.11	164.58
34 41 13 00-0032	EA	Optical Detector For Pedestal Or Pipe Mounting, 2 Channel	904.33	164.58
34 41 13 00-0033	EA	Optical Detector For Span Wire Mounting, 1 Channel, 1 Way	661.34	164.58
34 41 13 00-0034	EA	Optical Detector For Span Wire Mounting, 1 Channel, 2 Way	718.11	164.58
34 41 13 00-0035	EA	Optical Detector For Span Wire Mounting, 2 Channel	904.33	164.58
34 41 13 00-0036	EA	Optical Detector For Signal Top Mounting, 1 Channel, 1 Way	661.34	164.58
34 41 13 00-0037	EA	Optical Detector For Signal Top Mounting, 1 Channel, 2 Way	718.11	164.58
34 41 13 00-0038	EA	Optical Detector For Signal Top Mounting, 2 Channel	904.33	164.58
34 41 13 00-0039	EA	Phase Selector, 2 Channel	1,943.10	20.58
34 41 13 00-0040	EA	Phase Selector, 4 Channel	3,016.15	20.58
34 41 13 00-0041	EA	Malfunction Management Unit For Use With NEMA Controller	990.70	41.14
34 41 13 00-0042	EA	Malfunction Management Unit For Use With Type 170E Or 2070 Controller	990.70	41.14
34 41 13 00-0043	EA	Time Switch, 1-Circuit	135.45	24.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0044	EA	Digital Loop-Type Vehicle Detector Card, 2-Channel, Normal	199.99	10.28
34 41 13 00-0045	EA	Digital Loop-Type Vehicle Detector Card, 2-Channel, Stretch/Delay	260.17	10.28
34 41 13 00-0046	EA	Digital Loop-Type Vehicle Detector Card, 4-Channel, Normal	368.04	10.28
34 41 13 00-0047	EA	Digital Loop-Type Vehicle Detector Card, 4-Channel, Stretch/Delay	461.15	10.28
34 41 13 00-0048	EA	Digital Loop-Type Vehicle Detector Card Rack With Power Supply For Controller Cabinet	1,244.65	10.28
34 41 13 00-0049	EA	Digital Loop-Type Vehicle Detector Card Rack With Power Supply For Remote Detector Cabinet	1,244.65	10.28
34 41 13 00-0050	EA	Power Line Surge Protector	117.26	6.17
34 41 13 00-0051	EA	Loop Detector Surge Protector	61.01	6.17
34 41 13 00-0052	EA	Controller Cabinet With 1 Detector Rack And 1 Load Switch Bay	7,789.60	1,043.16
34 41 13 00-0053	EA	Controller Cabinet With 1 Detector Rack And 2 Load Switch Bays	8,436.84	1,043.16
34 41 13 00-0054	EA	Controller Cabinet With 2 Detector Racks And 1 Load Switch Bay	9,214.65	1,043.16
34 41 13 00-0055	EA	Controller Cabinet With 2 Detector Racks And 2 Load Switch Bays	9,453.11	1,043.16
34 41 13 00-0056	EA	Speed Limit Beacon Control Option	3,395.11	278.18
34 41 13 00-0057	EA	Speed Limit Beacon Control Cabinet	3,951.45	556.36
34 41 13 00-0058	EA	Remote Detector Cabinet	2,191.42	556.36
34 41 13 00-0059	EA	Traffic Signal Hand Control	582.87	92.73
34 41 13 00-0060	EA	Load Switch	56.63	6.17
34 41 13 00-0061	EA	Extra Pedestrian Detector Isolation Assembly	469.33	92.73
34 41 13 00-0062	EA	Fiber Optic Transceivers-Repeater Module	634.52	164.58
34 41 13 00-0063	EA	Field Transceiver-Repeater	281.58	41.14
34 41 13 00-0064	EA	30" Pedestal With Base Plate And Cover	498.85	82.75
34 41 13 00-0065	EA	42" Pedestal With Base Plate And Cover (Push Button Pedestal)	581.32	86.51
34 41 13 00-0066	EA	8' Pedestal With Base Plate And Cover	724.30	97.05
34 41 13 00-0067	EA	11' Pedestal With Base Plate And Cover	805.23	105.32
34 41 13 00-0068	EA	15' Pedestal With Base Plate And Cover	897.78	125.64
34 41 13 00-0069	LF	6-Fiber Interconnect Cable, Fiber Optic, Single Mode	0.96	
34 41 13 00-0070	LF	12-Fiber Interconnect Cable, Fiber Optic, Single Mode	1.03	
34 41 13 00-0071	LF	24-Fiber Interconnect Cable, Fiber Optic, Single Mode	1.18	
34 41 13 00-0072	LF	36-Fiber Interconnect Cable, Fiber Optic, Single Mode	1.32	
34 41 13 00-0073	LF	48-Fiber Interconnect Cable, Fiber Optic, Single Mode	1.47	
34 41 13 00-0074	LF	72-Fiber Interconnect Cable, Fiber Optic, Single Mode	1.70	
34 41 13 00-0075	LF	96-Fiber Interconnect Cable, Fiber Optic, Single Mode	1.92	
34 41 13 00-0076	LF	144-Fiber Interconnect Cable, Fiber Optic, Single Mode	2.30	
34 41 13 00-0077	LF	3/16" Diameter Messenger Cable	0.72	0.08
34 41 13 00-0078	LF	1/4" Diameter Messenger Cable	0.94	0.08
34 41 13 00-0079	LF	3/8" Diameter Messenger Cable	1.51	0.08
34 41 13 00-0080	LF	1/2" Diameter Messenger Cable	2.20	0.17
34 41 13 00-0081	EA	4' Diameter x 10' Concrete Base For Poles Note: Includes drilling in earth, rebar, bolts, forms for exposed base, bolts and concrete.	1,863.58	
34 41 13 00-0082	EA	4' Diameter x 16' Concrete Base For Poles Note: Includes drilling in earth, rebar, bolts, forms for exposed base, bolts and concrete.	2,968.83	
34 41 13 00-0083	EA	Internally Illuminated Street Name Sign, 1 Line, 4'	1,551.82	185.45
34 41 13 00-0084	EA	Internally Illuminated Street Name Sign, 1 Line, 6'	1,917.07	231.82
34 41 13 00-0085	EA	Internally Illuminated Street Name Sign, 1 Line, 8'	2,100.64	278.18
34 41 13 00-0086	EA	Internally Illuminated Street Name Sign, 1 Line, 10'	2,375.04	324.54
34 41 13 00-0087	EA	Internally Illuminated Street Name Sign, 1 Line, 12'	2,558.60	370.90
34 41 13 00-0088	EA	Internally Illuminated Street Name Sign, 2 Line, 4'	2,410.26	185.45
34 41 13 00-0089	EA	Internally Illuminated Street Name Sign, 2 Line, 6'	2,970.81	231.82
34 41 13 00-0090	EA	Internally Illuminated Street Name Sign, 2 Line, 8'	3,217.97	278.18
34 41 13 00-0091	EA	Internally Illuminated Street Name Sign, 2 Line, 10'	3,601.38	324.54
34 41 13 00-0092	EA	Internally Illuminated Street Name Sign, 2 Line, 12'	3,875.78	370.90
34 41 13 00-0093	EA	Photoelectric Controller, Multi-Volt	59.83	21.40
34 41 13 00-0094	EA	Photoelectric Controller, 120 Volt	63.55	21.40
34 41 13 00-0095	EA	Photoelectric Controller, 480 Volt	63.55	21.40
34 41 13 00-0096	EA	Wi-Fi Communication Unit	808.84	92.73
34 41 13 00-0097	EA	Wi-Fi Communication Unit Mounting Bracket	195.87	69.54
34 41 13 00-0098	EA	Wi-Fi Communication Unit Power Supply / POE Injector	171.08	46.36
34 41 13 00-0099	EA	Wi-Fi Communication Unit Packet	1,175.78	139.09
34 41 13 00-0100	LF	Preemptor Detector Cable	1.67	
34 41 13 00-0101	EA	Sno-Shoe Cable Storage Assembly	154.82	
34 41 13 00-0102	CLF	Detectable Underground Marking Tape	7.13	
34 41 13 00-0103	EA	16' Pedestal With Base Plate And Cover	945.09	125.64
34 41 13 00-0104	EA	Vehicle Signal Face, 1 - 12" Section	351.14	118.22
34 41 13 00-0105	EA	Vehicle Signal Face, 2 - 12" Sections	559.78	166.90
34 41 13 00-0106	EA	Vehicle Signal Face, 3 - 12" Sections	771.35	203.99
34 41 13 00-0107	EA	Vehicle Signal Face, 3 - 12" Sections, Middle Section Blank	737.29	203.99
34 41 13 00-0108	EA	Vehicle Signal Face, 4 - 12" Sections	965.34	227.18
34 41 13 00-0109	EA	Vehicle Signal Face, 5 - 12" Sections	1,140.76	241.09
34 41 13 00-0110	EA	Vehicle Signal Face, 5 - 12" Sections, Cluster	1,206.62	241.09
34 41 13 00-0111	EA	Vehicle Signal Face, 1 - 8" Section	334.10	118.22
34 41 13 00-0112	EA	Vehicle Signal Face, 2 - 8" Sections	525.72	166.90
34 41 13 00-0113	EA	Vehicle Signal Face, 3 - 8" Sections	688.46	203.99
34 41 13 00-0114	EA	Vehicle Signal Face, 2 - 8" Sections, 1 - 12" Section	730.47	203.99
34 41 13 00-0115	EA	Vehicle Signal Face, 2 - 8" Sections, 2 - 12" Sections	892.66	227.18
34 41 13 00-0116	EA	Vehicle Signal Face, 3 - 8" Sections, 1 - 12" Section	868.82	227.18
34 41 13 00-0117	EA	Vehicle Signal Face, 3 - 8" Sections, 2 - 12" Sections	1,015.85	241.09
34 41 13 00-0118	EA	Vehicle Signal Face, 3 - 8" Sections, 2 - 12" Sections In Cluster	1,069.22	241.09
34 41 13 00-0119	EA	Vehicle Signal Face, 3 - 12" Sections, Optically Programmed	1,475.36	203.99
34 41 13 00-0120	EA	Vehicle Signal Face, 4 - 12" Sections, Optically Programmed	1,911.21	227.18
34 41 13 00-0121	EA	Vehicle Signal Face, 5 - 12" Sections, Optically Programmed	2,469.29	241.09
34 41 13 00-0122	EA	Vehicle Signal Face, 5 - 12" Sections In Cluster, Optically Programmed	2,668.01	241.09

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0123	EA	Bracket Signal Mounting Assembly	328.52	92.73
34 41 13 00-0124	EA	Mast Arm Signal Mounting Assembly	591.19	185.45
34 41 13 00-0125	EA	Top Pole Signal Mounting Assembly	209.49	69.54
34 41 13 00-0126	EA	Pedestrian Signal Head	584.76	139.09
34 41 13 00-0127	EA	Pedestrian Signal Insert	353.70	69.54
34 41 13 00-0128	EA	Audible Pedestrian Signal	893.42	
34 41 13 00-0129	EA	Junction Box, Pole Or Post Mounted	361.09	
34 41 13 00-0130	EA	Pedestrian Push Button	328.29	
34 41 13 00-0131	EA	Illuminated Sign, Bracket Mounted, Symbolic	2,601.29	
34 41 13 00-0132	EA	Illuminated Sign, Mast Arm Mounted, Symbolic	2,717.42	
34 41 13 00-0133	EA	Sign, Message, "BLANK OUT", Bracket Mounted	2,860.36	
34 41 13 00-0134	EA	Sign, Message, "BLANK OUT", Mast Arm Mounted	3,042.91	
34 41 13 00-0135	EA	Sign, Fiber Optic, Bracket Mounted	3,253.21	
34 41 13 00-0136	EA	Sign, Fiber Optic, Mast Arm Mounted	3,439.60	
34 41 13 00-0137	EA	30' Type 15TS Signal And Lighting Standard Note: 8" diameter base and 3-7/8" diameter top. 0.1793" wall thickness.	4,889.67	
34 41 13 00-0138	EA	35' Type 21TS Signal And Lighting Standard Note: 9-3/8" diameter base and 3-9/16" diameter top. 0.1793" wall thickness.	5,679.99	
34 41 13 00-0139	EA	17' Type 18-2-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 8-7/16" diameter top. 0.1793" wall thickness.	2,749.00	
34 41 13 00-0140	EA	17' Type 18-3-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 8-7/16" diameter top. 0.2391" wall thickness.	3,054.14	
34 41 13 00-0141	EA	17' Type 18-4-100 Or 23-4-100 Signal And Lighting Standard Note: 12" diameter base and 9" diameter top. 0.2391" wall thickness.	3,171.12	
34 41 13 00-0142	EA	17' Type 23-3-100 Signal And Lighting Standard Note: 12" diameter base and 9-5/8" diameter top. 0.2391" wall thickness.	3,171.12	
34 41 13 00-0143	EA	17' Type 23-4-100 Signal And Lighting Standard Note: 12" diameter base and 9-5/8" diameter top. 0.2391" wall thickness.	3,232.53	
34 41 13 00-0144	EA	17' Type 27-3-100 Signal And Lighting Standard Note: 12-1/8" diameter base and 9-3/4" diameter top. 0.3125" wall thickness.	3,539.59	
34 41 13 00-0145	EA	17' Type 27-4-100 Signal And Lighting Standard Note: 13-1/2" diameter base and 9-3/4" diameter top. 0.3125" wall thickness.	3,610.20	
34 41 13 00-0146	EA	17' Type 28-5-100 Signal And Lighting Standard Note: 14" diameter base and 11-11/16" diameter top. 0.3125" wall thickness.	3,754.98	
34 41 13 00-0147	EA	17' Type 60-5-100 Signal And Lighting Standard Note: 16" diameter base and 13-11/16" diameter top. 0.3125" wall thickness.	3,983.01	
34 41 13 00-0148	EA	18'-6" Type 16-2-100 Or 16-3-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 8-1/4" diameter top. 0.1793" wall thickness.	2,928.51	
34 41 13 00-0149	EA	30' Type 17-2-100 Or 17-3-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 6-5/8" diameter top. 0.1793" wall thickness.	5,210.07	
34 41 13 00-0150	EA	30' Type 19-2-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 6-5/8" diameter top. 0.2391" wall thickness.	5,850.87	
34 41 13 00-0151	EA	30' Type 19-3-100 Or 24-3-100 Signal And Lighting Standard Note: 12" diameter base and 7-7/8" diameter top. 0.2391" wall thickness.	6,096.52	
34 41 13 00-0152	EA	30' Type 19-4-100 Or 24-4-100 Signal And Lighting Standard Note: 12" diameter base and 8" diameter top. 0.2391" wall thickness.	6,096.52	
34 41 13 00-0153	EA	30' Type 26-3-100 Signal And Lighting Standard Note: 12-1/8" diameter base and 8" diameter top. 0.3125" wall thickness.	6,870.28	
34 41 13 00-0154	EA	30' Type 26-4-100 Signal And Lighting Standard Note: 13-1/2" diameter base and 8" diameter top. 0.3125" wall thickness.	7,166.90	
34 41 13 00-0155	EA	30' Type 29-5-100 Signal And Lighting Standard Note: 14" diameter base and 9-7/8" diameter top. 0.3125" wall thickness.	7,478.33	
34 41 13 00-0156	EA	30' Type 61-5-100 Signal And Lighting Standard Note: 16" diameter base and 11-7/8" diameter top. 0.3125" wall thickness.	7,968.87	
34 41 13 00-0157	EA	35' Type 17A-2-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 5-15/16" diameter top. 0.1793" wall thickness.	6,056.09	
34 41 13 00-0158	EA	35' Type 19A-2-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 5-15/16" diameter top. 0.2391" wall thickness.	6,803.69	
34 41 13 00-0159	EA	35' Type 19A-3-100 Or 24A-3-100 Signal And Lighting Standard Note: 12" diameter base and 7-3/16" diameter top. 0.2391" wall thickness.	7,090.28	
34 41 13 00-0160	EA	35' Type 19A-4-100 Or 24A-4-100 Signal And Lighting Standard Note: 12" diameter base and 7-5/16" diameter top. 0.2391" wall thickness.	7,090.28	
34 41 13 00-0161	EA	35' Type 26A-3-100 Signal And Lighting Standard Note: 12-1/8" diameter base and 7-5/16" diameter top. 0.3125" wall thickness.	7,993.00	
34 41 13 00-0162	EA	35' Type 26A-4-100 Signal And Lighting Standard Note: 13-1/2" diameter base and 7-5/16" diameter top. 0.3125" wall thickness.	8,339.06	
34 41 13 00-0163	EA	35' Type 29A-5-100 Signal And Lighting Standard Note: 14" diameter base and 9-3/16" diameter top. 0.3125" wall thickness.	8,702.40	
34 41 13 00-0164	EA	35' Type 61A-5-100 Signal And Lighting Standard Note: 16" diameter base and 11" diameter top. 0.3125" wall thickness.	9,274.67	
34 41 13 00-0165	EA	15' Steel Straight Mast Arm, MONOTUBE	2,015.55	
34 41 13 00-0166	EA	20' Steel Straight Mast Arm, MONOTUBE	2,116.86	
34 41 13 00-0167	EA	25' Steel Straight Mast Arm, MONOTUBE	2,265.47	
34 41 13 00-0168	EA	30' Steel Straight Mast Arm, MONOTUBE	3,052.06	
34 41 13 00-0169	EA	35' Steel Straight Mast Arm, MONOTUBE	3,672.08	
34 41 13 00-0170	EA	40' Steel Straight Mast Arm, MONOTUBE	3,941.43	
34 41 13 00-0171	EA	45' Steel Straight Mast Arm, MONOTUBE	4,335.04	
34 41 13 00-0172	EA	50' Steel Straight Mast Arm, MONOTUBE	4,920.54	
34 41 13 00-0173	EA	55' Steel Straight Mast Arm, MONOTUBE	5,605.29	
34 41 13 00-0174	EA	60' Steel Straight Mast Arm, MONOTUBE	6,056.53	
34 41 13 00-0175	EA	65' Steel Straight Mast Arm, MONOTUBE	7,026.36	
34 41 13 00-0176	EA	4' Steel Curved Luminaire Mast Arm	691.04	
		For High Rise Arm, Add	*57.06*	
		For High Rise Straight Arm, Add	*45.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0177	EA	6' Steel Curved Luminaire Mast Arm	898.02	
		For High Rise Arm, Add	*76.29*	
		For High Rise Straight Arm, Add	*61.03*	
34 41 13 00-0178	EA	8' Steel Curved Luminaire Mast Arm	1,123.55	
		For High Rise Arm, Add	*95.51*	
		For High Rise Straight Arm, Add	*76.41*	
34 41 13 00-0179	EA	10' Steel Curved Luminaire Mast Arm	1,543.59	
		For High Rise Arm, Add	*112.29*	
		For High Rise Straight Arm, Add	*89.83*	
34 41 13 00-0180	EA	12' Steel Curved Luminaire Mast Arm	1,703.51	
		For High Rise Arm, Add	*132.43*	
		For High Rise Straight Arm, Add	*105.95*	
34 41 13 00-0181	EA	15' Steel Curved Luminaire Mast Arm	1,779.57	
		For High Rise Arm, Add	*147.69*	
		For High Rise Straight Arm, Add	*118.15*	
34 41 13 00-0182	EA	20' Steel Curved Luminaire Mast Arm	2,021.25	
		For High Rise Arm, Add	*176.37*	
34 41 13 00-0183	EA	15' Tubular Aluminum Post	731.23	
34 41 13 00-0184	EA	17' Tubular Aluminum Post	779.29	
34 41 13 00-0185	EA	20' Tubular Aluminum Post	866.95	
34 41 13 00-0186	EA	CUT-OFF POLE AND CAPPED	127.20	
34 41 13 00-0187	EA	PAINT EXISTING SL/TS CONTROLLER COMPLETE	38.05	
34 41 13 00-0188	EA	PAINT EXISTING TS POST COMPLETE	180.28	
34 41 13 00-0189	EA	1 Channel Loop Detector Amp	1,095.24	
34 41 13 00-0190	EA	4 Channel Loop Detector Amp	2,066.68	
34 41 13 00-0191	EA	FLASHING BEACON WITH DOWNLIGHT	1,564.49	
34 41 13 00-0192	EA	Flashing Beacon, Bracket Mounted	538.73	
34 41 13 00-0193	EA	Flashing Beacon, Mast Arm Mounted	538.73	
34 41 13 00-0194	EA	Flashing Beacon, Solar Powered, Bracket Mounted	13,832.18	
34 41 13 00-0195	EA	Wireless Access Point (Proxim Tsunami MP11 954-BSUR-US)	2,089.28	
34 41 13 00-0196	EA	Ruggedized Subscriber Unit (Proxim Tsunami MP11 954-SUA-US)	1,130.83	
34 41 13 00-0197	EA	Smart Sensor HD (Wavetronix HD125)	5,936.32	
34 41 13 00-0198	EA	Access Point (Sensys AP240-ES) Note: RJ45 port supports simultaneous Ethernet and CC card communications (split via Access Box) combined with data relay, statistics-processing and VPN functionality.	2,755.26	
34 41 13 00-0199	EA	Sensys Access Point AP240-ESC-VER - RJ45 port supports simultaneous Ethernet and CC card communications (split via Access Box) combined with data relay, statistics-processing and VPN functionality with Integrated 1xRTT cellular data modem for data relay via CDMA	4,754.53	
34 41 13 00-0200	EA	Mounting Kit for Access Points and Repeaters (KIT-MTG)	178.21	
34 41 13 00-0201	EA	Repeater (Sensys RP240-B-LL) Note: Nominal battery capacity of 171 Ah with seven (7) year battery-life.	1,263.11	
34 41 13 00-0202	EA	Wireless Flush Mounted Sensor (Sensys VSN240-F) Note: Excludes coring.	579.85	
34 41 13 00-0203	EA	Sensor Mounting Bracket, Cable, Lightning Surge Protector, Power Supply, Breaker, AC Surge Protector, Din Rail and Power Plug	1,458.54	
34 41 13 00-0204	LF	Signal Cable, 2-Conductor, A.W.G. #16	1.16	0.53
34 41 13 00-0205	LF	Signal Cable, 3-Conductor, A.W.G. #16	1.29	0.56
34 41 13 00-0206	LF	Signal Cable, 4-Conductor, A.W.G. #16	1.41	0.60
34 41 13 00-0207	LF	Signal Cable, 5-Conductor, A.W.G. #16	1.53	0.64
34 41 13 00-0208	LF	Signal Cable, 6-Conductor, A.W.G. #16	1.66	0.68
34 41 13 00-0209	LF	Signal Cable, 8-Conductor, A.W.G. #16	1.91	0.75
34 41 13 00-0210	LF	Signal Cable, 12-Conductor, A.W.G. #16	2.57	0.98
34 41 13 00-0211	LF	Signal Cable, 16-Conductor, A.W.G. #16	3.00	1.09
34 41 13 00-0212	LF	Signal Cable, 20-Conductor, A.W.G. #16	3.49	1.20
34 41 13 00-0213	LF	Signal Cable, 2-Conductor, A.W.G. #14	1.19	0.53
34 41 13 00-0214	LF	Signal Cable, 3-Conductor, A.W.G. #14	1.34	0.56
34 41 13 00-0215	LF	Signal Cable, 4-Conductor, A.W.G. #14	1.46	0.60
34 41 13 00-0216	LF	Signal Cable, 5-Conductor, A.W.G. #14	1.59	0.64
34 41 13 00-0217	LF	Signal Cable, 6-Conductor, A.W.G. #14	1.74	0.68
34 41 13 00-0218	LF	Signal Cable, 8-Conductor, A.W.G. #14	2.01	0.75
34 41 13 00-0219	LF	Signal Cable, 12-Conductor, A.W.G. #14	2.72	0.98
34 41 13 00-0220	LF	Signal Cable, 16-Conductor, A.W.G. #14	3.20	1.09
34 41 13 00-0221	LF	Signal Cable, 20-Conductor, A.W.G. #14	3.76	1.20
34 41 13 00-0222	EA	Pole Base Foundation for 17-2-80, 17-2-100, 19-2-80 Poles	4,203.11	1.20
34 41 13 00-0223	EA	Pole Base Foundation for 17-3-80, 19-3-80, 26-3-80 & 26-4-80 Poles	5,466.38	1.20
34 41 13 00-0224	EA	Pole Base Foundation for Type 15 and 21 Poles	3,301.65	1.20
34 41 13 00-0225	EA	Pole Base Foundation for 18-4-100, 19-4-100, 23-4-100, And 24-4-100 Poles	4,203.11	1.20
34 41 13 00-0226	EA	Pole Base Foundation for 26-4-100 And 27-4-100 Poles	5,466.38	1.20
34 41 13 00-0227	EA	Service Equipment Enclosure, Type III-AF	765.14	
34 41 13 00-0228	EA	12", 3 Section Signal, Mast Arm Mounted	1,031.88	
34 41 13 00-0229	EA	8", 3 Section Signal, Mast Arm Mounted	921.81	
34 41 13 00-0230	EA	12" FCV Visor	56.45	
34 41 13 00-0231	EA	8" FCV Visor	41.31	
34 41 13 00-0232	EA	Eggcrate Visor	54.58	
34 41 13 00-0233	EA	Pedestrian H/M	648.53	
34 41 13 00-0234	EA	Pedestrian Audio	704.32	
34 41 13 00-0235	EA	Adjustable Pushbutton	187.48	
34 41 13 00-0236	EA	ADA Cap And Switch	229.16	
34 41 13 00-0237	EA	3 Section 12" Backplate	93.09	
34 41 13 00-0238	EA	3 Section 12" MAS Mount Backplate	137.39	
34 41 13 00-0239	EA	3 Section 8" Backplate	75.84	
34 41 13 00-0240	EA	12" Red LED Lenses	156.43	
34 41 13 00-0241	EA	12" Amber LED Lenses	166.85	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0242	EA	12" Green LED Lenses	281.16	
34 41 13 00-0243	EA	12" Red Arrow	155.59	
34 41 13 00-0244	EA	12" Amber Arrow	147.96	
34 41 13 00-0245	EA	12" Green Arrow	214.82	
34 41 13 00-0246	EA	8" Red	154.04	
34 41 13 00-0247	EA	8" Amber	148.41	
34 41 13 00-0248	EA	8" Green	176.22	
34 41 13 00-0249	EA	Hand/Man	263.75	
34 41 13 00-0250	EA	Frameworks, 8" TV-1-T	322.07	
34 41 13 00-0251	EA	Frameworks, 8" TV-2-T	362.55	
34 41 13 00-0252	EA	Frameworks, MAT MT	98.34	
34 41 13 00-0253	EA	Frameworks, MAS MT	106.43	
34 41 13 00-0254	EA	Frameworks, 3W PT TC	211.23	
34 41 13 00-0255	EA	Frameworks, 2W PT TC	213.46	
34 41 13 00-0256	EA	Frameworks, 2W SM TC	202.66	
34 41 13 00-0257	EA	Frameworks, SV-1	136.04	
34 41 13 00-0258	EA	Frameworks, TV-1	131.99	
34 41 13 00-0259	EA	Type III Service Pedestal	2,445.06	
34 41 13 00-0260	EA	Single Fuse Holder	26.04	
34 41 13 00-0261	EA	Double Fuse Holder	60.03	
34 41 13 00-0262	EA	Pullbox, 1-1/2" x 20" x 14"	60.48	
34 41 13 00-0263	EA	Pullbox, 5" x 28" x 18"	80.60	
34 41 13 00-0264	EA	Pullbox, 6" x 36" x 23"	104.40	
34 41 13 00-0265	EA	Pullbox Lids, FL9D	59.65	
34 41 13 00-0266	EA	Pullbox Lids, FL30D	109.14	
34 41 13 00-0267	EA	Pullbox Lids, FL36D	29.02	
34 41 13 00-0268	EA	LED Enhanced Pedestrian Crossing Symbol Sign Note: 2 required per system.	1,045.01	75.23
34 41 13 00-0269	EA	42" Height, 8-1/2" Diameter Automatic Bollard Activation System Note: 4 required per system.	3,070.70	451.40
34 41 13 00-0270	EA	Power Control Unit With Enclosure (Solar) Note: LightGuard Systems solar power equipment Includes: one solar array consisting of 1 Siemens SP70 solar power module (21" x 47" to be pole mounted, pole not included), #14 AWG solar tray cable, mounting hardware, one enclosure (16-1/2" width x 27-1/2" height x 15" depth), two 12V 80AH deep cycle gel cell batteries and a solar power control unit (PCU).	10,211.74	300.93
34 41 13 00-0271	EA	Power Control Unit With Enclosure (A/C)	6,598.67	300.93
34 41 13 00-0272	EA	Push Button Assembly With Sign	638.25	150.47
34 41 13 00-0273	EA	Advanced Warning Signs	1,192.95	150.47
34 41 13 00-0274	EA	14' High Galvanized Steel Traffic Signal Pole Note: For mast arm.	2,443.86	
34 41 13 00-0275	EA	21' High Galvanized Steel Traffic Signal Pole Note: For mast arm.	3,705.12	
34 41 13 00-0276	EA	22' High Galvanized Steel Traffic Signal Pole Note: For mast arm and luminare arm.	3,847.52	
34 41 13 00-0277	EA	30' High Galvanized Steel Traffic Signal Pole, Tapered, For >55' Mast Arm Note: For mast arm and luminare arm.	5,206.72	
34 41 13 00-0278	EA	32' High Galvanized Steel Traffic Signal Pole, Tapered, For Up To 55' Mast Arm Note: For mast arm and luminare arm.	5,495.30	
34 41 13 00-0279	EA	30' High Galvanized Steel Traffic Signal Pole, Tapered, For Up To 55' Mast Arm	4,312.11	
34 41 13 00-0280	EA	30' High Galvanized Steel Traffic Signal Pole, Octaflute	3,848.43	
34 41 13 00-0281	EA	30' (High Spun Aluminum Traffic Signal Pole, Tapered	3,147.11	
34 41 13 00-0282	EA	Type 26-6-70 Signal Pole With 55' SMA And 20' LMA	13,318.79	
34 41 13 00-0283	EA	Type 29-6-70 Signal Pole With 65' SMA And 20' LMA	15,452.67	

34 41 13 00-0284 School Zone Flasher Beacons *(34 41 13)*

34 41 13 00-0285	EA	One 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.	3,083.85	138.77
34 41 13 00-0286	EA	One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.	3,105.42	138.77
34 41 13 00-0287	EA	Two 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	3,471.67	138.77
34 41 13 00-0288	EA	Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	3,540.70	138.77
34 41 13 00-0289	EA	10" Digit Radar Display, One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 80 Watt tilted solar panel, solar regulator, and solid state flasher.	6,456.18	138.77
34 41 13 00-0290	EA	10" Digit Radar Display, Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	6,726.71	138.77

34 41 16 Traffic Control Equipment *(34 41)*

34 41 16 00-0001	EA	CONTROLLER/SL/POLE MTD/1-PHASE/100A	6,824.54	
34 41 16 00-0002	EA	CONTROLLER/SL/ON EMB POLE 1-PH/100A	6,898.38	
34 41 16 00-0003	EA	CONTROLLER, SL, 3-PHASE, 100A, BASE MTD	8,414.43	
34 41 16 00-0004	EA	CONTROLLER, SL, 3-PHASE, 200A, BASE MTD	10,001.89	
34 41 16 00-0005	EA	CONTROLLER/SL/BASE MTD/1-PHASE/100A	8,236.57	
34 41 16 00-0006	EA	CONTROLLER/SL/BASE MTD/1-PHASE/200A	9,132.25	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 16 00-0007	EA	CONTROLLER, TS, 12-BAY, "M" CABINET	15,043.87	
34 41 16 00-0008	EA	CONTROLLER, TS, 12-BAY, "P" CABINET	16,010.59	
34 41 16 00-0009	EA	CONTROLLER, TS, 12-BAY "P" CABINET With FO MASTER	22,918.51	
34 41 16 00-0010	EA	CONTROLLER, TS, 16-BAY, "P" CABINET	18,146.89	
34 41 16 00-0011	EA	CONTROLLER, TS, POST-MTD, TEMP	2,913.35	
34 41 16 00-0012	EA	CONTROLLER, PEDESTRIAN CROSSING, ADD-IN	531.60	
34 41 16 00-0013	EA	CONCRETE BLOCK PEDESTAL	545.94	
34 41 16 00-0014	WK	MAINTAIN EXIST TS INSTALLATION	228.72	
34 41 16 00-0015	EA	INST SIGN BOARDS, ST. NAME	411.73	
34 41 16 00-0016	EA	F.O. ADD-IN FOR LOCAL CONTROLLER	7,634.53	
34 41 16 00-0017	EA	F.O. ADD-IN FOR MASTER CONTROLLER	18,471.14	
34 41 16 00-0018	EA	F.O. STAR MODEM	6,035.24	

34 70 Transportation Construction And Equipment *(34)*

34 71 Roadway Construction *(34 70)*

34 71 13 Vehicle Barriers *(34 71)*

34 71 13 13 Vehicle Median Barriers *(34 71 13)*

34 71 13 13-0001 Concrete Median Barrier *(34 71 13 13)*

34 71 13 13-0002	LF	Median Barrier, Precast, 42" High Single Face	49.36	3.07
34 71 13 13-0003	LF	Median Barrier, Precast, 32" High, 2' Wide Base, Double Face	52.43	3.07
34 71 13 13-0004	LF	Median Barrier, Precast, 42" High, 2' Wide Base, Double Face	56.83	3.07
34 71 13 13-0005	LF	Median Barrier, Cast In Place With Steel Forms	34.02	4.42
34 71 13 13-0006	LF	Median Barrier, Slipformed Concrete	28.65	2.49

34 71 13 16 Vehicle Crash Barriers *(34 71 13)*

34 71 13 16-0001 Impact Barrier, Non-Redirective *(34 71 13 16)*

34 71 13 16-0002 Sand Barrel Impact Attenuator *(34 71 13 16-0001)*
Note: Includes containers, inserts, and lid. Excludes sand.

34 71 13 16-0003	EA	200, 400 Or 700 LB Sand Barrel Note: Includes containers, inserts, and lid.	475.36	39.34

34 71 13 26 Vehicle Guide Rails *(34 71 13)*

34 71 13 26-0001 Corrugated Beam Guide Rail *(34 71 13 26)*

34 71 13 26-0002 Corrugated Beam Guide Railing *(34 71 13 26-0001)*

34 71 13 26-0003 Corrugated Beam Guide Railing. Straight Sections *(34 71 13 26-0002)*
Note: Add additional length for back-up sections.

34 71 13 26-0004	LF	Corrugated Beam Guide Railing	6.73	1.78
34 71 13 26-0005	LF	Corrugated Beam Guide Railing (Rustic)	6.38	1.78

34 71 13 26-0006 Corrugated Beam Guide Railing, Shop Curved *(34 71 13 26-0002)*
Note: Add additional length for back-up sections.

34 71 13 26-0007	LF	Shop Curved Corrugated Beam Guide Railing	8.26	1.78
34 71 13 26-0008	LF	Shop Curved Corrugated Beam Guide Railing (Rustic)	7.95	1.78
34 71 13 26-0009	LF	Shop Curved Corrugated Beam Guide Railing End Note: Treatment for mall barriers driveways, walkways, special end, etc.	18.54	1.78
34 71 13 26-0010	LF	Shop Curved Corrugated Beam Guide Railing (Rustic) End Note: Treatment for mall barriers shop curved corrugated beam guide railing end etc.	17.50	1.78

34 71 13 26-0011 Corrugated Beam Guide Railing, Manufactured End Sections *(34 71 13 26-0001)*

34 71 13 26-0012	EA	Corrugated Beam Guide Railing End Section At Anchor Unit	60.57	23.46
34 71 13 26-0013	EA	Corrugated Beam Guide Railing End Section (Rustic) At Anchor Unit	62.65	23.46
34 71 13 26-0014	EA	Corrugated Beam Guide Railing Flared Or 180 Degree End Section	73.09	23.46
34 71 13 26-0015	EA	Corrugated Beam Guide Railing Flared Or 180 Degree End Section (Rustic)	75.17	23.46
34 71 13 26-0016	EA	Corrugated Beam Guide Railing 225 Degree End Section	73.09	23.46
34 71 13 26-0017	EA	Corrugated Rustic Beam Guide Railing 225 Degree End Section	75.17	23.46

34 71 13 26-0018 Corrugated Beam Guide Rail Posts *(34 71 13 26-0001)*
Note: Includes mounting hardware.

34 71 13 26-0019	EA	Standard Post For Corrugated Beam Guide Rail	47.95	10.93
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*2.91*	
34 71 13 26-0020	EA	Standard Post For (Rustic) Corrugated Beam Guide Rail	50.04	10.93
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*2.91*	
34 71 13 26-0021	EA	Extra Long Post for Corrugated Beam Guide Rail	52.13	10.93
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*2.91*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0022	EA	Extra Long Post (Rustic) for Corrugated Beam Guide Rail	54.21	10.93
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*2.91*	
34 71 13 26-0023	EA	6B8-1/2" or Mall Barrier Post for Corrugated Beam Guide Rail	47.95	10.93
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*2.91*	
34 71 13 26-0024	EA	Post Struts for Corrugated Beam Guide Rail Mall Barrier Post	64.65	10.93
		For Installation In Rock, Add	*2.91*	
34 71 13 26-0025		**Heavy Post Blocked Out Corrugated Beam Guide Rail Posts** *(34 71 13 26-0001)*		
		Note: Includes mounting hardware. Excludes triangular mounting brackets.		
34 71 13 26-0026	EA	Standard Post For Heavy Post Blocked Out Corrugated Beam Guide	47.95	10.93
34 71 13 26-0027	EA	Standard Rustic Post For Heavy Post Blocked Out Corrugated Beam Guide	50.04	10.93
34 71 13 26-0028	EA	Extra Long Post for Heavy Post Blocked Out Corrugated Beam Guide	52.13	10.93
34 71 13 26-0029	EA	Extra Long Post (Rustic) For heavy post blocked out corrugated beam guide rail	54.21	10.93
		Note: For heavy post blocked out corrugated beam guide (rustic)		
34 71 13 26-0030	EA	Type A Post 1630mm Post	46.91	10.93
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0031	EA	Type A Post 1630mm Post (Rustic)	49.00	10.93
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0032	EA	Type B Post 1460mm	44.82	10.93
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0033	EA	Type B Post 1460mm (Rustic)	46.91	10.93
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0034	EA	Type C Post 1290mm	42.74	10.93
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0035	EA	Type C Post 1290mm (Rustic)	44.82	10.93
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0036	EA	Breakaway Wood Or Steel Post In Steel Foundation Tube	152.61	10.93
34 71 13 26-0037	EA	Wood, Metal, Plastic Or Composite Offset Block Or Beam	25.00	10.93
		Note: For heavy post blocked out corrugated beam guide rail.		
34 71 13 26-0038		**Corrugated Beam Guide Rail Accessories** *(34 71 13 26-0001)*		
34 71 13 26-0039	EA	Triangular Mounting Brackets (Galvanized Or Rustic) For All Post Types A, B And C	56.39	26.65
34 71 13 26-0040		**Corrugated Beam Guide Rail Repair for Existing Guide Rail** *(34 71 13 26-0001)*		
		Note: Includes associated hardware.		
34 71 13 26-0041	LF	Remove And Store Corrugated Beam Guide Railing And Post	10.41	
34 71 13 26-0042	EA	Install Stored Post For Corrugated Beam Guide Rail	35.53	
34 71 13 26-0043	LF	Install Stored Corrugated Beam Guide Railing And Post	6.04	
34 71 13 26-0044		**Corrugated Thrie Beam Guide Railing** *(34 71 13 26-0001)*		
34 71 13 26-0045		**Corrugated Thrie Beam Guide Railing. Straight Sections** *(34 71 13 26-0044)*		
		Note: Add additional length for back-up sections.		
34 71 13 26-0046	LF	Corrugated Thrie Beam Guide Railing	13.64	2.24
34 71 13 26-0047	LF	Corrugated Thrie Beam Guide Railing (Rustic)	14.28	2.24
34 71 13 26-0048		**Corrugated Thrie Beam Guide Railing. Shop Curved** *(34 71 13 26-0044)*		
		Note: Add additional length for back-up sections.		
34 71 13 26-0049	LF	Shop Curved Corrugated Thrie Beam Guide Railing	16.19	2.24
34 71 13 26-0050	LF	Shop Curved Corrugated Thrie Beam Guide Railing (Rustic)	16.82	2.24
34 71 13 26-0051		**Corrugated Thrie Beam Guide Rail Posts** *(34 71 13 26-0044)*		
		Note: Includes hardware for mounting.		
34 71 13 26-0052	EA	Standard Post For Corrugated Thrie Beam Guide Rail	48.89	2.24
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For 32" Soil Plate, Add	*7.00*	
34 71 13 26-0053	EA	Standard Post (Rustic) For Corrugated Thrie Beam Guide Rail	50.98	2.24
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For 32" Soil Plate, Add	*7.00*	
34 71 13 26-0054		**Timber Guide Rails** *(34 71 13 26)*		
		Note: Includes drilling and fasteners. Excludes excavation, auguring and concrete.		
34 71 13 26-0055		**Timber Guide Rail Posts** *(34 71 13 26-0054)*		
34 71 13 26-0056	EA	6" x 8" Timber Guide Rail Post	63.15	8.89
34 71 13 26-0057	EA	6" x 9" Timber Guide Rail Post	71.36	8.89
34 71 13 26-0058	EA	10" x 10" Timber Guide Rail Post	135.72	8.89
34 71 13 26-0059	EA	10" x 12" Timber Guide Rail Post	143.39	8.89
34 71 13 26-0060	EA	12" x 12" Timber Guide Rail Post	165.27	8.89
34 71 13 26-0061		**Timber Guide Rails** *(34 71 13 26-0054)*		
		Note: Excludes posts, spacer blocks and steel backup plates.		
34 71 13 26-0062	LF	4" x 9" Timber Guide Rail	7.82	1.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0063	LF	6" x 10" Timber Guide Rail	10.77	1.07
34 71 13 26-0064	LF	6" x 12" Timber Guide Rail	12.51	1.07
34 71 13 26-0065		**Spacer Blocks For Timber Guide Rails** *(34 71 13 26-0054)*		
34 71 13 26-0066	EA	4" x 9" Spacer Block For Timber Guide Rails	10.19	1.42
34 71 13 26-0067	EA	6" x 8" Spacer Block For Timber Guide Rails	11.61	1.42
34 71 13 26-0068	EA	8" x 8" Spacer Block For Timber Guide Rails	13.42	1.42
34 71 13 26-0069		**Weathering Steel Backup Plates For Timber Guide Rails** *(34 71 13 26-0054)*		
34 71 13 26-0070	LF	6" High, Weathering Steel Backup Plate For Timber Guide Rails	13.62	0.89
34 71 13 26-0071		**Weathering Steel Splice And Bearing Plates For Timber Guide Rails** *(34 71 13 26-0054)*		
34 71 13 26-0072	EA	Weathering Steel Splice Plate For Timber Guide Rails	98.03	12.44
34 71 13 26-0073	EA	Weathering Steel Bearing Termination Plate For Timber Guide Rails	62.06	8.89
34 71 13 26-0074		**Cable Guide Rail** *(34 71 13 26)*		
34 71 13 26-0075		**Cable Guide Rail** *(34 71 13 26-0074)*		
34 71 13 26-0076	LF	Cable (Each Cable) Note: Includes tensioning. Excludes splices.	4.34	1.92
34 71 13 26-0077	EA	Cable Splice With Wedges	80.37	13.33
34 71 13 26-0078		**Cable Guide Rail Posts** *(34 71 13 26-0074)* Note: Includes hardware for cable mounting.		
34 71 13 26-0079	EA	Standard Post for Cable Guide Rail	79.87	36.42
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*9.71*	
34 71 13 26-0080	EA	Standard Post (Rustic) for Cable Guide Rail	81.95	36.42
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*9.71*	
34 71 13 26-0081	EA	Extra Long Post for Cable Guide Rail	81.95	36.42
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*9.71*	
34 71 13 26-0082	EA	Extra Long Post (Rustic) for Cable Guide Rail	84.04	36.42
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*9.71*	
34 71 13 26-0083	EA	Slip Impact Post Top for Anchor Unit	44.47	14.57
34 71 13 26-0084	EA	Slip Impact Post Base and Keeper Plate Note: For anchor unit.	96.63	14.57
34 71 13 26-0085		**Cable Guide Rail Accessories For Breakaway Anchor Angle Systems** *(34 71 13 26-0074)*		
34 71 13 26-0086	EA	Turnbuckle Cable End Assembly For Use With Breakaway Anchors	308.32	178.04
34 71 13 26-0087	EA	Turnbuckle Cable End Assembly	53.59	8.90
34 71 13 26-0088	EA	Spring Cable End Assembly (Compensating Device) For Use With Breakaway Anchors	151.96	4.43
34 71 13 26-0089	EA	Spring Cable End Assembly (Compensating Device) Without Turnbuckle	156.13	4.43
34 71 13 26-0090	EA	Breakaway Anchor Angle	66.11	8.90
34 71 13 26-0091	EA	Standard End Post Cap Assembly	30.94	4.43
34 71 13 26-0092	EA	Driveway End Post Cap Assembly	26.76	4.43
34 71 13 26-0093	EA	End Post Ground Support Plates	16.33	4.43
34 71 13 26-0094	EA	11" Stud Bolt, Cable Guide Rail	14.77	4.43
34 71 13 26-0095	EA	18" Stud Bolt, Cable Guide Rail	16.85	4.43
34 71 13 26-0096	EA	25" Stud Bolt, Cable Guide Rail	18.94	4.43
34 71 13 26-0097	EA	1-1/4" Diameter Turnbuckle, Cable Guide Rail	137.05	8.90
34 71 13 26-0098	EA	1-1/2" Diameter Turnbuckle, Cable Guide Rail	145.40	8.90
34 71 13 26-0099	EA	5/8" Diameter Turnbuckle With 12" Take-up And Shackle Ends, Cable Guide Rail	99.49	8.90
34 71 13 26-0100	EA	5/8" Eye Bolt 18" Long, Cable Guide Rail	60.15	4.43
34 71 13 26-0101	EA	3/4" Eye Bolt 8'-6" Long, Cable Guide Rail	66.11	8.90
34 71 13 26-0102	EA	1-5/8" Anchor Rod 10' Long With Plate, Cable Guide Rail	74.11	13.33
34 71 13 26-0103		**Cable Guide Rail Accessories For Slip Impact Post Systems** *(34 71 13 26-0074)*		
34 71 13 26-0104	EA	Turnbuckle Cable End Assembly Note: For use with slip impact post.	114.29	12.16
34 71 13 26-0105	EA	Spring Cable End Assembly (Compensating Device) Note: For use with slip impact post.	214.44	12.16
34 71 13 26-0106	EA	Anchor Angle For Slip Impact Post System	70.47	12.16
34 71 13 26-0107	EA	Cable End Assembly Rod Note: Includes cable end, threaded rod and keeper to anchor angle.	60.04	12.16
34 71 13 26-0108		**Cable Guide Rail Repair For Existing Guide Rail** *(34 71 13 26-0074)* Note: All tasks include associated hardware.		
34 71 13 26-0109	LF	Retention Existing Cable (Each Cable)	1.19	
34 71 13 26-0110	LF	Remove and Store Cable Guide Railing	7.15	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0111	EA	Install Stored Post For Cable Guide Railing	48.57	
34 71 13 26-0112	LF	Install Stored Cable, (Each Cable) Note: Includes retensioning. Excludes splices.	3.16	
34 71 13 26-0113		6" x 6" Box Beam Guide Rail *(34 71 13 26)*		
34 71 13 26-0114		Box Beam Guide Rail, 6" x 6" *(34 71 13 26-0113)*		
34 71 13 26-0115		Straight Sections, Box Beam Guide Rail *(34 71 13 26-0114)*		
34 71 13 26-0116	LF	Box Beam Guide Railing 6" x 6" x 3/16" Galvanized Note: Excludes splices.	16.03	2.24
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0117	LF	Box Beam Guide Railing 6" x 6" x 3/16" (Rustic) Note: Excludes splices.	17.94	2.24
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0118		Shop Curved, Box Beam Guide Rail *(34 71 13 26-0114)*		
34 71 13 26-0119	LF	Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" Galvanized Note: Excludes splices.	23.34	2.24
		For Shop Curved At <20' Radius, Add	*2.44*	
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0120	LF	Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" (Rustic) Note: Excludes splices.	25.25	2.24
		For Shop Curved At <20' Radius, Add	*2.44*	
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0121		Box Beam Guide Rail End Treatment Sections *(34 71 13 26-0113)* Note: Includes rail, end cover plate and hardware only. Excludes posts and splice.		
34 71 13 26-0122	EA	Box Beam End Piece Guide Railing Section Note: Galvanized excludes splices.	244.18	26.65
34 71 13 26-0123	EA	Box Beam End Piece Guide Railing Section (Rustic) Note: Excludes splices.	267.13	26.65
34 71 13 26-0124	EA	Box Beam Guide Railing End Treatment Section At Driveway, Galvanized Note: Excludes splices.	231.66	26.65
34 71 13 26-0125	EA	Box Beam Guide Railing End Treatment Section At Driveway, (Rustic) Note: Excludes splices.	240.01	26.65
34 71 13 26-0126		Splices For Box Beam Guide Rail *(34 71 13 26-0113)*		
34 71 13 26-0127	EA	Splice For Box Beam Guide Rail	110.43	39.56
34 71 13 26-0128	EA	Splice For Box Beam Guide Rail (Rustic)	125.03	39.56
34 71 13 26-0129		Box Beam Guide Rail Posts *(34 71 13 26-0113)* Note: Includes hardware for box beam mounting.		
34 71 13 26-0130	EA	Standard Post For Box Beam Guide Rail	81.95	36.42
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*9.71*	
34 71 13 26-0131	EA	Standard Post (Rustic) for Box Beam Guide Railing	84.04	36.42
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*9.71*	
34 71 13 26-0132	EA	Extra Long Post For Box Beam Guide Rail	86.13	36.42
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*9.71*	
34 71 13 26-0133	EA	Extra Long Post (Rustic) For Box Beam Guide Rail	88.21	36.42
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*9.71*	
34 71 13 26-0134	EA	Type I End Assembly Post	79.87	36.42
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*9.71*	
34 71 13 26-0135	EA	Type I End Assembly Post (Rustic)	81.95	36.42
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*9.71*	
34 71 13 26-0136	EA	Type II End Assembly Post	77.78	36.42
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*9.71*	
34 71 13 26-0137	EA	Type II End Assembly Post (Rustic)	79.87	36.42
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*9.71*	
34 71 13 26-0138		Box Beam Guide Rail Accessories *(34 71 13 26-0113)*		
34 71 13 26-0139	EA	Box Beam Guide Rail End Cover Plate	35.70	8.00
34 71 13 26-0140	EA	Box Beam Guide Rail End Cover Plate (Rustic)	37.78	8.00
34 71 13 26-0141		Box Beam Guide Railing Repair, And Resetting *(34 71 13 26-0113)* Note: For existing guide rail.		
34 71 13 26-0142	LF	Remove And Store Box Beam Guide Rail And Post	3.51	
34 71 13 26-0143	LF	Reset Box Beam Guide Rail	10.25	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0144		6" x 8" Box Beam Median Barrier *(34 71 13 26)*		
34 71 13 26-0145		Box Beam Median Barrier, 6" x 8" *(34 71 13 26-0144)*		
34 71 13 26-0146		Straight Sections, Box Beam Median Barrier *(34 71 13 26-0145)*		
34 71 13 26-0147	LF	Box Beam Median Barrier Galvanized Excludes Splices	30.69	8.00
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0148	LF	Box Beam Median Barrier (Rustic) Excludes Splices	32.60	8.00
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0149		Shop Curved, Box Beam Median Barrier *(34 71 13 26-0145)*		
34 71 13 26-0150	LF	Shop Curved Box Beam Median Barrier Galvanized	35.71	8.00
		Note: Excludes splices.		
		For Shop Curved At <20' Radius, Add	*2.44*	
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0151	LF	Shop Curved Box Beam Median Barrier Rustic	41.97	8.00
		Note: Excludes splices.		
		For Shop Curved At <20' Radius, Add	*2.44*	
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0152		Box Beam Median Barrier End Treatment Sections *(34 71 13 26-0144)*		
		Note: Includes rail, end cover plate and hardware. Excludes posts.		
34 71 13 26-0153	EA	Box Beam Median Barrier Type A End Treatment Section, Galvanized	742.85	26.65
		Note: Excludes splices and post.		
34 71 13 26-0154	EA	Box Beam Median Barrier Type A End Treatment Section (Rustic)	759.55	26.65
		Note: Excludes splices and post.		
34 71 13 26-0155	EA	Box Beam Median Barrier Type B End Treatment Section, Galvanized	742.85	26.65
		Note: Excludes splices and post.		
34 71 13 26-0156	EA	Box Beam Median Barrier Type B End Treatment Section (Rustic)	759.55	26.65
		Note: Excludes splices and post.		
34 71 13 26-0157		Splices For Box Beam Median Barrier *(34 71 13 26-0144)*		
34 71 13 26-0158	EA	Splice for Box Beam Median Barrier	74.33	21.32
34 71 13 26-0159	EA	Splice for Box Beam Median Barrier (Rustic)	105.63	21.32
34 71 13 26-0160		Box Beam Median Barrier Posts Driven With Soil Plate *(34 71 13 26-0144)*		
		Note: Includes all associated hardware.		
34 71 13 26-0161	EA	Standard Post for Box Beam Median Barrier	81.95	36.42
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*9.71*	
34 71 13 26-0162	EA	Standard Post (Rustic) for Box Beam Median Barrier	84.04	36.42
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*9.71*	
34 71 13 26-0163	EA	Extra Long Post for Box Beam Median Barrier	86.13	36.42
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*9.71*	
34 71 13 26-0164	EA	Extra Long Post (Rustic) for Box Beam Median Barrier	88.21	36.42
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*9.71*	
34 71 13 26-0165	EA	Type B End Treatment or Rub Back Anchor Post for Box Beam	77.78	36.42
		Note: For median barrier.		
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*9.71*	
34 71 13 26-0166	EA	Type B End Treatment or Rub Back Anchor Post (Rustic)	77.78	36.42
		Note: For box beam median barrier.		
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*9.71*	
34 71 13 26-0167	EA	Type I End Assembly Post for Box Beam Median Barrier to Concrete	86.13	36.42
		Note: For median barrier transition.		
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*9.71*	
34 71 13 26-0168	EA	Type I End Assembly Post (Rustic) for Box Beam Median Barrier	88.21	36.42
		Note: For Concrete median barrier transition.		
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*9.71*	
34 71 13 26-0169		Box Beam Median Barrier Accessories *(34 71 13 26-0144)*		
34 71 13 26-0170	EA	Box Beam Median Barrier End Cover Plate	54.51	18.76
34 71 13 26-0171	EA	Box Beam Median Barrier End Cover Plate (Rustic)	56.60	18.76
34 71 13 26-0172		Box Beam Median Barrier Repair, And Resetting *(34 71 13 26-0144)*		
		Note: For existing guide rail.		
34 71 13 26-0173	LF	Remove and Store Box Beam Median Barrier and Posts	3.63	
34 71 13 26-0174	LF	Reset Box Beam Median Barrier	10.73	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0175		Universal Guide Rail Items *(34 71 13 26)*		
34 71 13 26-0176		Guide Rail Concrete Anchor Units For All Types Of Guide Rail *(34 71 13 26-0175)*		
		Note: For cast in place or precast. Includes excavation, formwork, concrete, reinforcement, anchor rods and/or imbedded plate. Excludes anchor angle. For anchor angles and other terminal connections, use accessories section for respective guide rail type.		
34 71 13 26-0177	CY	Guide Rail Concrete Anchor Unit	562.30	
		For Each Additional Set Of Anchor Rods, Add	*38.00*	
34 71 13 26-0178	EA	Reset Existing Anchorage Unit for All Types of Guide Rail	407.55	
		Note: Includes excavation and backfill.		
34 71 13 26-0179		Guide Rail Repair For All Types Of Existing Guide Rail *(34 71 13 26-0175)*		
		Note: All tasks include associated hardware.		
34 71 13 26-0180	EA	Straighten And Reset Post Mounted On Concrete For Guide Rail	51.57	
		Note: With base plate for guide rail. Includes new anchor bolts.		
34 71 13 26-0181		Additional Wood and Steel Posts *(34 71 13 26-0175)*		
34 71 13 26-0182	LF	4" x 6" Wood Post	26.13	12.17
		For Installation In Rock, Add	*3.24*	
34 71 13 26-0183	LF	6" x 8" Wood Post	29.26	12.17
		For Installation In Rock, Add	*3.24*	
34 71 13 26-0184	LF	6" x 7/8" Steel Post Galvanized	22.13	12.17
		For Installation In Rock, Add	*3.24*	
34 71 13 26-0185	EA	Base Plate With Anchor Bolts For Mounting Post On Concrete	157.75	12.16
34 71 13 26-0186		Accessories For All Types of Guide Rail *(34 71 13 26-0175)*		
34 71 13 26-0187	EA	Reflector, Guard Rail	15.51	
34 71 13 26-0188		Individual Concrete Posts *(34 71 13 26)*		
34 71 13 26-0189	EA	6'-5" Concrete Posts, Round	66.20	5.47
34 71 13 26-0190	EA	6'-5" Concrete Posts, Square	74.06	6.16
34 71 13 26-0191	EA	6'-5" Concrete Posts, Triangular	72.14	6.16
34 71 13 26-0192		Guide Rail Transitions *(34 71 13 26)*		
34 71 13 26-0193		Transition Box Beam Guide Rail To Corrugated Beam *(34 71 13 26-0192)*		
34 71 13 26-0194	EA	Box Beam To Corrugated Beam Rail Bolted Section	362.57	
34 71 13 26-0195	EA	Box Beam To Corrugated Beam Rail Bolted Plate	279.11	
		Note: For making cable connections.		
34 71 13 26-0196		Transition Box Beam Median Barrier To Corrugated Beam Median *(34 71 13 26-0192)*		
34 71 13 26-0197	EA	Box Beam Median Barrier To Corrugated Beam Bolted Section	366.74	
34 71 13 26-0198	EA	Box Beam Median Barrier To Corrugated Beam Harness Plate	279.11	
		Note: For making cable connections.		
34 71 13 26-0199		Transition Box Beam Guide Rail To Cable Guide Rail *(34 71 13 26-0192)*		
34 71 13 26-0200	EA	Box Beam to Cable Guide Rail U-bolt And Plate	44.60	14.21
34 71 13 26-0201		Transition Box Beam Median Barrier To Concrete Median Barrier *(34 71 13 26-0192)*		
34 71 13 26-0202	EA	Box Beam Median Barrier To Concrete Barrier End Connection	446.03	
34 71 13 26-0203		Transition Thrie Beam To Concrete Median Barrier *(34 71 13 26-0192)*		
34 71 13 26-0204	EA	Thrie Beam Terminal Connector At Concrete Median Barrier	341.70	
34 71 13 26-0205	EA	Thrie Beam Transition Section To Corrugated Beam Guide Rail	393.87	
34 71 16		**Impact Attenuating Devices** *(34 71)*		
34 71 16 00-0001		Guard Rail Energy Absorbing Terminals *(34 71 16)*		
		Note: Crushable foam cartridges surrounded by steel guardrail for narrow hazards. QuadGuard System as manufactured by Energy Absorption Systems, Inc.		
34 71 16 00-0002		24" Wide Guard Rail Energy Absorbing Terminals *(34 71 16 00-0001)*		
34 71 16 00-0003	EA	24" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	17,138.51	2,584.60
34 71 16 00-0004	EA	24" Wide, 5 Cartridge, Bays Energy Absorbing Crash Attenuator	23,484.54	3,446.13
34 71 16 00-0005	EA	24" Wide, 7 Cartridge, Bays Energy Absorbing Crash Attenuator	31,651.85	4,523.06
34 71 16 00-0006	EA	24" Wide, 9 Cartridge, Bays Energy Absorbing Crash Attenuator	36,449.31	5,599.97
34 71 16 00-0007		30" Wide Guard Rail Energy Absorbing Terminals *(34 71 16 00-0001)*		
34 71 16 00-0008	EA	30" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	18,730.57	2,907.68
34 71 16 00-0009	EA	30" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	25,707.76	3,876.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 16 00-0010	EA	30" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	34,946.40	5,169.20
34 71 16 00-0011	EA	30" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	40,744.66	6,246.12
34 71 16 00-0012		36" Wide Guard Rail Energy Absorbing Terminals *(34 71 16 00-0001)*		
34 71 16 00-0013	EA	36" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	20,332.85	3,230.75
34 71 16 00-0014	EA	36" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	27,940.67	4,307.67
34 71 16 00-0015	EA	36" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	37,801.16	5,707.66
34 71 16 00-0016	EA	36" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	45,029.08	6,892.27
34 71 16 00-0017		69" Wide Guard Rail Energy Absorbing Terminals *(34 71 16 00-0001)*		
34 71 16 00-0018	EA	69" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	22,140.55	3,553.83
34 71 16 00-0019	EA	69" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	30,253.55	4,738.44
34 71 16 00-0020	EA	69" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	40,974.66	6,246.12
34 71 16 00-0021	EA	69" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	48,652.55	7,538.42
34 71 16 00-0022		90" Wide Guard Rail Energy Absorbing Terminals *(34 71 16 00-0001)*		
34 71 16 00-0023	EA	90" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	23,977.76	3,876.90
34 71 16 00-0024	EA	90" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	32,601.40	5,169.20
34 71 16 00-0025	EA	90" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	44,649.08	6,892.27
34 71 16 00-0026	EA	90" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	52,339.27	8,184.57
34 71 19		**Vehicle Delineators** *(34 71)*		
34 71 19 16		**Flexible Vehicle Delineators** *(34 71 19)*		
34 71 19 16-0001	EA	3' High, 3" Diameter Flexible Fixed Stanchion, Folding Barrier With Individual Padlocks	111.62	13.68
34 71 19 16-0002	EA	2' High, 3" Diameter Flexible Fixed Stanchion Delineator	41.99	6.84

END OF SECTION 34

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

35 Waterway and Marine Construction

35 01 Operation And Maintenance Of Waterway and Marine Construction *(35)*

35 01 70 Operation And Maintenance Of Dams *(35 01)*

35 01 70 00-0001 Drilling And Pressure Grouting *(35 01 70)*

35 01 70 00-0002 From Top Of The Dam *(35 01 70 00-0001)*

35 01 70 00-0003	LF	Pressure Grout, Top Of Dam, In Concrete, Drill 3" Nominal Grout Hole	63.31
35 01 70 00-0004	LF	Pressure Grout, Top Of Dam, In Rock, Drill 3" Nominal Grout Hole	75.64
35 01 70 00-0005	LF	Pressure Grout, Install Guide Sleeves 3-1/2" Inside Diameter, Top Of Dam	92.26
35 01 70 00-0006	EA	Pressure Grout, Hydraulic Pressure Test Top Of Dam	457.06
35 01 70 00-0007	EA	Pressure Grout, Grout Hook-Up Top Of Dam	255.73
35 01 70 00-0008	CWT	Pressure Grout, Portland Cement Top Of Dam	37.28
35 01 70 00-0009	CWT	Pressure Grout, Fluidifier In Grout Top Of Dam	109.36
35 01 70 00-0010	CF	Pressure Grout, Place Grout Except Hook-Ups, Top Of Dam	46.11

35 01 70 00-0011 Large Diameter Holes - Rotary Drilled *(35 01 70 00-0001)*

35 01 70 00-0012 From Top Of The Dam *(35 01 70 00-0011)*

35 01 70 00-0013	LF	Pressure Grout, Rotary Drilled Top Of Dam, 6" Nominal Diameter, Vertical	101.89
35 01 70 00-0014	LF	Pressure Grout, Rotary Drilled Top Of Dam, 6" Nominal Diameter, Inclined	111.47
35 01 70 00-0015	LF	Pressure Grout, Rotary Drilled Top Of Dam, 9" Nominal Diameter, Vertical	156.75
35 01 70 00-0016	LF	Pressure Grout, Rotary Drilled Top Of Dam, 9" Nominal Diameter, Inclined	174.86

35 05 Common Work Results for Waterway and Marine Construction *(35)*

35 05 70 Common Work Results for Dams *(35 05)*

35 05 70 00-0001 Rubber Dam Repair *(35 05 70)*

35 05 70 00-0002	EA	Class A Rubber Dam Repair (Bullet And Similar Holes)	25.32
35 05 70 00-0003	SF	Class B Rubber Dam Repair (Minor Surface Rubber Damage)	49.48
35 05 70 00-0004	SF	Class C Rubber Dam Repair (Major Surface Rubber Damage)	73.31
35 05 70 00-0005	SF	Class D Rubber Dam Repair (Serious Surface Rubber Damage), Per Layer Of Material	81.21

35 20 Waterway and Marine Construction and Equipment *(35)*

35 20 16 Hydraulic Gates *(35 20)*

35 20 16 26 Hydraulic Sluice Gates *(35 20 16)*

35 20 16 26-0001 Heavy Duty Cast Iron Sluice Gates Self Contained *(35 20 16 26)*

Note: Includes crank operated geared gate lift, anchor bolts, and grouting.

35 20 16 26-0002	EA	18" x 18" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	8,139.79	907.17
		For Electric Motor Operated Valve, Add	*1,031.44*	
35 20 16 26-0003	EA	24" x 24" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	11,650.48	1,360.79
		For Electric Motor Operated Valve, Add	*1,122.16*	
35 20 16 26-0004	EA	30" x 30" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	14,036.19	1,512.03
		For Electric Motor Operated Valve, Add	*1,152.40*	
35 20 16 26-0005	EA	36" x 36" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	16,115.19	1,700.99
		For Electric Motor Operated Valve, Add	*1,190.20*	
35 20 16 26-0006	EA	42" x 42" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	18,081.09	1,943.99
		For Electric Motor Operated Valve, Add	*1,238.80*	
35 20 16 26-0007	EA	48" x 48" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	21,321.68	2,721.58
		For Electric Motor Operated Valve, Add	*1,394.32*	
35 20 16 26-0008	EA	54" x 54" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	34,173.44	4,118.63
		For Electric Motor Operated Valve, Add	*1,673.73*	
35 20 16 26-0009	EA	60" x 60" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	42,545.55	6,803.96
		For Electric Motor Operated Valve, Add	*2,210.79*	
35 20 16 26-0010	EA	66" x 66" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	48,798.11	6,803.96
		For Electric Motor Operated Valve, Add	*2,210.79*	
35 20 16 26-0011	EA	72" x 72" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	53,694.17	9,047.82
		For Electric Motor Operated Valve, Add	*2,659.56*	
35 20 16 26-0012	EA	78" x 78" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	60,048.18	9,047.82
		For Electric Motor Operated Valve, Add	*3,059.56*	
35 20 16 26-0013	EA	84" x 84" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	76,453.51	13,607.92
		For Electric Motor Operated Valve, Add	*3,971.59*	
35 20 16 26-0014	EA	90" x 90" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	75,553.21	7,676.37
		For Electric Motor Operated Valve, Add	*2,785.28*	
35 20 16 26-0015	EA	96" x 96" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	84,937.26	7,676.37
		For Electric Motor Operated Valve, Add	*2,785.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
35 20 16 26-0016	EA	108" x 108" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	107,951.82	10,207.95
		For Electric Motor Operated Valve, Add	*3,291.59*	
35 20 16 26-0017	EA	120" x 120" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	138,975.83	15,352.75
		For Electric Motor Operated Valve, Add	*4,320.55*	
35 20 16 26-0018	EA	132" x 132" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	165,952.37	15,352.75
		For Electric Motor Operated Valve, Add	*4,320.55*	

35 20 16 61 Other Hydraulic Gates *(35 20 16)*

35 20 16 61-0001 Steel Slide Gates Self Contained *(35 20 16 61)*

Note: Includes anchors and bolts.

35 20 16 61-0002	EA	12" x 12" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	2,794.68	340.20
		For Electric Motor Operated Valve, Add	*918.04*	
35 20 16 61-0003	EA	18" x 18" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	3,736.07	388.79
		For Electric Motor Operated Valve, Add	*927.76*	
35 20 16 61-0004	EA	24" x 24" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	4,261.14	453.63
		For Electric Motor Operated Valve, Add	*940.72*	
35 20 16 61-0005	EA	30" x 30" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	5,149.88	544.32
		For Electric Motor Operated Valve, Add	*958.86*	
35 20 16 61-0006	EA	36" x 36" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	6,593.26	680.40
		For Electric Motor Operated Valve, Add	*986.08*	
35 20 16 61-0007	EA	42" x 42" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	7,708.52	907.17
		For Electric Motor Operated Valve, Add	*1,031.44*	
35 20 16 61-0008	EA	48" x 48" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	10,547.46	1,360.79
		For Electric Motor Operated Valve, Add	*1,122.16*	
35 20 16 61-0009	EA	54" x 54" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	16,076.26	1,700.99
		For Electric Motor Operated Valve, Add	*1,190.20*	
35 20 16 61-0010	EA	60" x 60" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	20,881.99	2,721.58
		For Electric Motor Operated Valve, Add	*1,394.32*	
35 20 16 61-0011	EA	72" x 72" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	26,423.51	4,536.01
		For Electric Motor Operated Valve, Add	*1,757.20*	
35 20 16 61-0012	SF	Over 36 SF Steel Slide Gates Self Contained Including Anchor	732.92	125.39
		For Electric Motor Operated Valve, Add	*1,575.08*	

35 20 16 61-0013 Cast Iron Canal Gates *(35 20 16 61)*

35 20 16 61-0014	EA	12" Diameter Canal Gates	1,158.25	340.20
		For Electric Motor Operated Valve, Add	*918.04*	
35 20 16 61-0015	EA	18" Diameter Canal Gates	1,564.03	388.79
		For Electric Motor Operated Valve, Add	*927.76*	
35 20 16 61-0016	EA	20" Diameter Canal Gates	1,766.00	425.25
		For Electric Motor Operated Valve, Add	*935.05*	
35 20 16 61-0017	EA	24" Diameter Canal Gates	2,044.51	453.63
		For Electric Motor Operated Valve, Add	*940.72*	
35 20 16 61-0018	EA	30" Diameter Canal Gates	2,924.22	544.32
		For Electric Motor Operated Valve, Add	*958.86*	
35 20 16 61-0019	EA	36" Diameter Canal Gates	3,614.27	680.40
		For Electric Motor Operated Valve, Add	*986.08*	
35 20 16 61-0020	EA	42" Diameter Canal Gates	5,813.53	907.17
		For Electric Motor Operated Valve, Add	*1,031.44*	
35 20 16 61-0021	EA	48" Diameter Canal Gates	7,792.80	1,360.79
		For Electric Motor Operated Valve, Add	*1,122.16*	
35 20 16 61-0022	EA	54" Diameter Canal Gates	10,827.19	1,700.99
		For Electric Motor Operated Valve, Add	*1,190.20*	
35 20 16 61-0023	EA	60" Diameter Canal Gates	14,492.37	2,721.58
		For Electric Motor Operated Valve, Add	*1,394.32*	
35 20 16 61-0024	EA	66" Diameter Canal Gates	19,675.97	3,401.98
		For Electric Motor Operated Valve, Add	*1,530.40*	
35 20 16 61-0025	EA	72" Diameter Canal Gates	24,384.36	4,536.01
		For Electric Motor Operated Valve, Add	*1,757.20*	

35 20 16 61-0026 Aluminum Flap Gates *(35 20 16 61)*

35 20 16 61-0027	EA	18" Diameter Aluminum Flap Gates	2,592.67	340.20
		For Electric Motor Operated Valve, Add	*918.04*	
35 20 16 61-0028	EA	20" Diameter Aluminum Flap Gates	2,885.79	364.50
		For Electric Motor Operated Valve, Add	*922.89*	
35 20 16 61-0029	EA	24" Diameter Aluminum Flap Gates	3,176.34	388.79
		For Electric Motor Operated Valve, Add	*927.76*	
35 20 16 61-0030	EA	30" Diameter Aluminum Flap Gates	4,307.19	453.63
		For Electric Motor Operated Valve, Add	*940.72*	
35 20 16 61-0031	EA	36" Diameter Aluminum Flap Gates	5,339.89	544.32
		For Electric Motor Operated Valve, Add	*958.86*	
35 20 16 61-0032	EA	42" Diameter Aluminum Flap Gates	7,559.54	680.40
		For Electric Motor Operated Valve, Add	*986.08*	
35 20 16 61-0033	EA	48" Diameter Aluminum Flap Gates	9,564.39	907.17
		For Electric Motor Operated Valve, Add	*1,031.44*	
35 20 16 61-0034	EA	54" Diameter Aluminum Flap Gates	12,371.58	1,360.79
		For Electric Motor Operated Valve, Add	*1,122.16*	
35 20 16 61-0035	EA	60" Diameter Aluminum Flap Gates	16,352.30	1,943.99
		For Electric Motor Operated Valve, Add	*1,238.80*	
35 20 16 61-0036	EA	66" Diameter Aluminum Flap Gates	21,143.72	2,721.58
		For Electric Motor Operated Valve, Add	*1,394.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
35 20 16 61-0037	EA	72" Diameter Aluminum Flap Gates	26,361.80	3,887.97
		For Electric Motor Operated Valve, Add	*1,627.60*	

35 20 16 61-0038 Steel Knife Gates Including Handwheel Operator *(35 20 16 61)*

Note: ANSI 150 PSI. for hub, flange, or spigot ends.

35 20 16 61-0039	EA	6" Diameter Knife Gates Including Handwheel Operator For Hub	1,405.85	109.73
		For Electric Motor Operated Valve, Add	*871.95*	
35 20 16 61-0040	EA	8" Diameter Knife Gates Including Handwheel Operator For Hub	1,895.13	127.99
		For Electric Motor Operated Valve, Add	*875.60*	
35 20 16 61-0041	EA	10" Diameter Knife Gates Including Handwheel Operator For Hub	2,660.04	192.03
		For Electric Motor Operated Valve, Add	*888.41*	
35 20 16 61-0042	EA	12" Diameter Knife Gates Including Handwheel Operator For Hub	3,318.81	256.06
		For Electric Motor Operated Valve, Add	*901.21*	
35 20 16 61-0043	EA	14" Diameter Knife Gates Including Handwheel Operator For Hub	4,076.59	274.32
		For Electric Motor Operated Valve, Add	*904.86*	
35 20 16 61-0044	EA	16" Diameter Knife Gates Including Handwheel Operator For Hub	5,292.70	295.41
		For Electric Motor Operated Valve, Add	*909.09*	
35 20 16 61-0045	EA	18" Diameter Knife Gates Including Handwheel Operator For Hub	7,058.46	307.24
		For Electric Motor Operated Valve, Add	*911.45*	
35 20 16 61-0046	EA	20" Diameter Knife Gates Including Handwheel Operator For Hub	8,834.40	349.17
		For Electric Motor Operated Valve, Add	*919.83*	
35 20 16 61-0047	EA	24" Diameter Knife Gates Including Handwheel Operator For Hub	11,342.58	384.05
		For Electric Motor Operated Valve, Add	*926.81*	
35 20 16 61-0048	EA	30" Diameter Knife Gates Including Handwheel Operator For Hub	20,693.23	512.04
		For Electric Motor Operated Valve, Add	*952.41*	
35 20 16 61-0049	EA	36" Diameter Knife Gates Including Handwheel Operator For Hub	27,508.76	768.10
		For Electric Motor Operated Valve, Add	*1,003.62*	

35 20 16 61-0050 Steel Hollow Jet Flow Gate Valve *(35 20 16 61)*

35 20 16 61-0051	EA	6" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	1,336.04	136.08
		For Electric Motor Operated Valve, Add	*877.22*	
35 20 16 61-0052	EA	8" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	2,068.73	158.92
		For Electric Motor Operated Valve, Add	*881.79*	
35 20 16 61-0053	EA	10" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	2,484.08	238.14
		For Electric Motor Operated Valve, Add	*897.63*	
35 20 16 61-0054	EA	12" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	3,166.91	317.36
		For Electric Motor Operated Valve, Add	*913.48*	
35 20 16 61-0055	EA	14" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	4,767.10	340.20
		For Electric Motor Operated Valve, Add	*918.04*	
35 20 16 61-0056	EA	16" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	5,749.96	366.44
		For Electric Motor Operated Valve, Add	*923.29*	
35 20 16 61-0057	EA	18" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	9,665.67	381.02
		For Electric Motor Operated Valve, Add	*926.21*	
35 20 16 61-0058	EA	20" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	12,156.51	433.02
		For Electric Motor Operated Valve, Add	*936.61*	
35 20 16 61-0059	EA	24" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	17,483.97	476.28
		For Electric Motor Operated Valve, Add	*945.27*	
35 20 16 61-0060	EA	30" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	21,417.26	635.20
		For Electric Motor Operated Valve, Add	*977.04*	
35 20 16 61-0061	EA	36" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	30,562.71	952.55
		For Electric Motor Operated Valve, Add	*1,040.48*	
35 20 16 61-0062	EA	42" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	36,424.46	1,166.39
		For Electric Motor Operated Valve, Add	*1,483.33*	
35 20 16 61-0063	EA	48" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	43,192.62	1,360.79
		For Electric Motor Operated Valve, Add	*1,522.16*	
35 20 16 61-0064	EA	54" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	56,882.93	1,700.99
		For Electric Motor Operated Valve, Add	*1,590.20*	
35 20 16 61-0065	EA	60" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	63,351.12	2,041.19
		For Electric Motor Operated Valve, Add	*1,658.40*	
35 20 16 61-0066	EA	66" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	80,843.64	2,818.78
		For Electric Motor Operated Valve, Add	*1,814.18*	

35 20 16 61-0067 Steel Dish Head Valve *(35 20 16 61)*

35 20 16 61-0068	EA	12" Diameter Dish Head Valve	1,694.36	340.20
35 20 16 61-0069	EA	18" Diameter Dish Head Valve	2,446.33	388.79
35 20 16 61-0070	EA	20" Diameter Dish Head Valve	2,817.64	425.25
35 20 16 61-0071	EA	24" Diameter Dish Head Valve	3,320.49	453.63
35 20 16 61-0072	EA	30" Diameter Dish Head Valve	4,983.59	544.32
35 20 16 61-0073	EA	36" Diameter Dish Head Valve	6,142.48	680.40
35 20 16 61-0074	EA	42" Diameter Dish Head Valve	10,300.21	907.17
35 20 16 61-0075	EA	48" Diameter Dish Head Valve	13,482.26	1,360.79
35 20 16 61-0076	EA	54" Diameter Dish Head Valve	19,157.62	1,700.99
35 20 16 61-0077	EA	60" Diameter Dish Head Valve	24,644.77	2,721.58
35 20 16 61-0078	EA	66" Diameter Dish Head Valve	34,117.22	3,401.98
35 20 16 61-0079	EA	72" Diameter Dish Head Valve	41,563.51	4,536.01

35 20 19 Hydraulic Valves *(35 20)*

35 20 19 13 Hydraulic Butterfly Valves *(35 20 19)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
35 20 19 13-0001	IN	Butterfly Valve, Cast Iron, Custom Made, >54" Diameter, Per Inch Of Diameter Of Valve	712.70	72.90

35 20 23 Dredging *(35 20)*

35 20 23 13 Mechanical Dredging *(35 20 23)*

35 20 23 13-0001 Dredging, Barge Mounted *(35 20 23 13)*

See CSI section 01 74 19 00-0038 for hauling material from shore or barge, 31 23 16 33-0019 for loading.

35 20 23 13-0002	CY	Barge Mounted Clamshell Excavation Into Scows, Dumping Up To 10 Miles Note: Includes tugboat to move scows or barge.	18.38
35 20 23 13-0003	CY	Barge Mounted Dragline Or Clamshell, Hopper Dumped, Pumped 1,000' To Shore Note: Includes tugboat to move barge.	16.54
35 20 23 13-0004	CY	Hydraulic Dredge Excavation Into Scows, Dumping Up To 10 Miles Note: Includes tugboat to move scows or barge.	18.31
35 20 23 13-0005	CY	Hydraulic Dredge Excavation, Pumped 1,000' To Shore Note: Includes tugboat to move barge.	15.36
35 20 23 13-0006	EA	Dredge Excavation Mobilization And Demobilization	16,542.24
		For Inlet Rivers And Canals, Deduct	*-4,135.56*

35 20 23 23 Hydraulic Dredging *(35 20 23)*

35 20 23 23-0001 Dredging, Shoreline Excavators *(35 20 23 23)*

35 20 23 23-0002	CY	Back Hoe, 1 CY Bucket, Dredging From Shore	10.76
35 20 23 23-0003	CY	Hydraulic Excavator, 2 CY Bucket, Dredging From Shore	7.20

END OF SECTION 35

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

40 Process Interconnections

40 05 Common Work Results For Process Interconnections *(40)*

40 05 23 Stainless Steel Process Pipe and Tubing *(40 05)*

40 05 23 43 Stainless Steel Process Pipe *(40 05 23)*

40 05 23 43-0001 Schedule 40 Pipe, Type 304, With 150 LB Screwed Fittings Assembly *(40 05 23 43)*

Note: Includes hangers and fittings. Fittings are assumed every 10'. Not for use where detail is available.

40 05 23 43-0002	LF	1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	22.97	6.66
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*2.49*	
		For Work In Restricted Working Space, Add	*4.02*	
40 05 23 43-0003	LF	3/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	25.95	7.64
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*2.61*	
		For Work In Restricted Working Space, Add	*4.77*	
40 05 23 43-0004	LF	1" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	30.22	8.62
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*3.06*	
		For Work In Restricted Working Space, Add	*5.54*	
40 05 23 43-0005	LF	1-1/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	34.71	10.41
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*3.86*	
		For Work In Restricted Working Space, Add	*5.96*	
40 05 23 43-0006	LF	1-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	38.31	10.70
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*4.42*	
		For Work In Restricted Working Space, Add	*6.39*	
40 05 23 43-0007	LF	2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	46.41	14.14
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*5.39*	
		For Work In Restricted Working Space, Add	*7.70*	
40 05 23 43-0008	LF	2-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	67.46	17.44
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*9.27*	
		For Work In Restricted Working Space, Add	*9.54*	
40 05 23 43-0009	LF	3" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	85.33	20.21
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*12.07*	
		For Work In Restricted Working Space, Add	*11.67*	
40 05 23 43-0010	LF	4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	116.24	20.21
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*14.81*	

40 05 23 43-0011 Stainless Steel Tubing And Fittings *(40 05 23 43)*

40 05 23 43-0012 Type 304 Tubing *(40 05 23 43-0011)*

40 05 23 43-0013 0.035" Wall *(40 05 23 43-0012)*

40 05 23 43-0014	LF	1/4" Stainless Steel Tubing, Type 304, 0.035" Wall	5.33	2.20
		For Work In Restricted Working Space, Add	*1.31*	
40 05 23 43-0015	LF	3/8" Stainless Steel Tubing, Type 304, 0.035" Wall	6.25	2.60
		For Work In Restricted Working Space, Add	*1.57*	
40 05 23 43-0016	LF	1/2" Stainless Steel Tubing, Type 304, 0.035" Wall	7.41	3.09
		For Work In Restricted Working Space, Add	*1.83*	
40 05 23 43-0017	LF	5/8" Stainless Steel Tubing, Type 304, 0.035" Wall	10.94	3.49
		For Work In Restricted Working Space, Add	*2.09*	
40 05 23 43-0018	LF	3/4" Stainless Steel Tubing, Type 304, 0.035" Wall	12.81	3.91
		For Work In Restricted Working Space, Add	*2.36*	
40 05 23 43-0019	LF	7/8" Stainless Steel Tubing, Type 304, 0.035" Wall	14.19	4.39
		For Work In Restricted Working Space, Add	*2.62*	
40 05 23 43-0020	LF	1" Stainless Steel Tubing, Type 304, 0.035" Wall	16.13	5.29
		For Work In Restricted Working Space, Add	*3.15*	

40 05 23 43-0021 0.049" Wall *(40 05 23 43-0012)*

40 05 23 43-0022	LF	1/4" Stainless Steel Tubing, Type 304, 0.049" Wall	8.11	2.60
		For Work In Restricted Working Space, Add	*1.57*	
40 05 23 43-0023	LF	3/8" Stainless Steel Tubing, Type 304, 0.049" Wall	9.14	3.09
		For Work In Restricted Working Space, Add	*1.83*	
40 05 23 43-0024	LF	1/2" Stainless Steel Tubing, Type 304, 0.049" Wall	10.85	3.49
		For Work In Restricted Working Space, Add	*2.09*	
40 05 23 43-0025	LF	5/8" Stainless Steel Tubing, Type 304, 0.049" Wall	13.69	4.39
		For Work In Restricted Working Space, Add	*2.62*	
40 05 23 43-0026	LF	3/4" Stainless Steel Tubing, Type 304, 0.049" Wall	15.85	5.29
		For Work In Restricted Working Space, Add	*3.15*	
40 05 23 43-0027	LF	7/8" Stainless Steel Tubing, Type 304, 0.049" Wall	17.98	6.10
		For Work In Restricted Working Space, Add	*3.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0028	LF	1" Stainless Steel Tubing, Type 304, 0.049" Wall	20.67	6.91
		For Work In Restricted Working Space, Add	*4.17*	
40 05 23 43-0029		**0.065" Wall** *(40 05 23 43-0012)*		
40 05 23 43-0030	LF	1/4" Stainless Steel Tubing, Type 304, 0.065" Wall	9.46	3.09
		For Work In Restricted Working Space, Add	*1.83*	
40 05 23 43-0031	LF	3/8" Stainless Steel Tubing, Type 304, 0.065" Wall	10.87	3.49
		For Work In Restricted Working Space, Add	*2.09*	
40 05 23 43-0032	LF	1/2" Stainless Steel Tubing, Type 304, 0.065" Wall	13.45	4.39
		For Work In Restricted Working Space, Add	*2.62*	
40 05 23 43-0033	LF	5/8" Stainless Steel Tubing, Type 304, 0.065" Wall	15.89	5.29
		For Work In Restricted Working Space, Add	*3.15*	
40 05 23 43-0034	LF	3/4" Stainless Steel Tubing, Type 304, 0.065" Wall	18.69	6.10
		For Work In Restricted Working Space, Add	*3.67*	
40 05 23 43-0035	LF	7/8" Stainless Steel Tubing, Type 304, 0.065" Wall	21.42	6.91
		For Work In Restricted Working Space, Add	*4.17*	
40 05 23 43-0036	LF	1" Stainless Steel Tubing, Type 304, 0.065" Wall	24.14	7.81
		For Work In Restricted Working Space, Add	*4.69*	
40 05 23 43-0037		**Type 304 Tube Fittings** *(40 05 23 43-0011)*		
40 05 23 43-0038		**90 Degree Elbows** *(40 05 23 43-0037)*		
40 05 23 43-0039	EA	1/4" 90 Degree Elbow, Stainless Steel Type 304	29.71	8.78
		For Work In Restricted Working Space, Add	*5.24*	
40 05 23 43-0040	EA	3/8" 90 Degree Elbow, Stainless Steel Type 304	34.55	9.60
		For Work In Restricted Working Space, Add	*5.74*	
40 05 23 43-0041	EA	1/2" 90 Degree Elbow, Stainless Steel Type 304	49.32	10.82
		For Work In Restricted Working Space, Add	*6.50*	
40 05 23 43-0042	EA	5/8" 90 Degree Elbow, Stainless Steel Type 304	53.11	12.12
		For Work In Restricted Working Space, Add	*7.28*	
40 05 23 43-0043	EA	3/4" 90 Degree Elbow, Stainless Steel Type 304	59.06	13.09
		For Work In Restricted Working Space, Add	*7.87*	
40 05 23 43-0044	EA	7/8" 90 Degree Elbow, Stainless Steel Type 304	78.08	14.55
		For Work In Restricted Working Space, Add	*8.72*	
40 05 23 43-0045	EA	1" 90 Degree Elbow, Stainless Steel Type 304	98.53	17.32
		For Work In Restricted Working Space, Add	*10.38*	
40 05 23 43-0046		**Union Tees** *(40 05 23 43-0037)*		
40 05 23 43-0047	EA	1/4" Union Tee, Stainless Steel Type 304	46.57	13.09
		For Work In Restricted Working Space, Add	*7.87*	
40 05 23 43-0048	EA	3/8" Union Tee, Stainless Steel Type 304	55.43	14.55
		For Work In Restricted Working Space, Add	*8.72*	
40 05 23 43-0049	EA	1/2" Union Tee, Stainless Steel Type 304	72.99	16.27
		For Work In Restricted Working Space, Add	*9.76*	
40 05 23 43-0050	EA	5/8" Union Tee, Stainless Steel Type 304	79.28	18.46
		For Work In Restricted Working Space, Add	*11.09*	
40 05 23 43-0051	EA	3/4" Union Tee, Stainless Steel Type 304	98.40	19.84
		For Work In Restricted Working Space, Add	*11.90*	
40 05 23 43-0052	EA	7/8" Union Tee, Stainless Steel Type 304	149.07	21.96
		For Work In Restricted Working Space, Add	*13.19*	
40 05 23 43-0053	EA	1" Union Tee, Stainless Steel Type 304	178.57	26.27
		For Work In Restricted Working Space, Add	*15.74*	
40 05 23 43-0054		**Unions** *(40 05 23 43-0037)*		
40 05 23 43-0055	EA	1/4" Union, Stainless Steel Type 304	44.95	13.09
		For Work In Restricted Working Space, Add	*7.87*	
40 05 23 43-0056	EA	3/8" Union, Stainless Steel Type 304	56.34	14.55
		For Work In Restricted Working Space, Add	*8.72*	
40 05 23 43-0057	EA	1/2" Union, Stainless Steel Type 304	73.59	16.27
		For Work In Restricted Working Space, Add	*9.76*	
40 05 23 43-0058	EA	5/8" Union, Stainless Steel Type 304	88.68	18.46
		For Work In Restricted Working Space, Add	*11.09*	
40 05 23 43-0059	EA	3/4" Union, Stainless Steel Type 304	104.12	19.84
		For Work In Restricted Working Space, Add	*11.90*	
40 05 23 43-0060	EA	7/8" Union, Stainless Steel Type 304	153.63	21.96
		For Work In Restricted Working Space, Add	*13.19*	
40 05 23 43-0061	EA	1" Union, Stainless Steel Type 304	165.65	26.27
		For Work In Restricted Working Space, Add	*15.74*	
40 05 23 43-0062		**Male Connectors** *(40 05 23 43-0037)*		
40 05 23 43-0063	EA	1/4" x 1/4" Male Connection, Stainless Steel Type 304	23.91	8.78
		For Work In Restricted Working Space, Add	*5.24*	
40 05 23 43-0064	EA	3/8" x 3/8" Male Connection, Stainless Steel Type 304	28.86	9.60
		For Work In Restricted Working Space, Add	*5.74*	
40 05 23 43-0065	EA	1/2" x 1/2" Male Connection, Stainless Steel Type 304	36.22	10.82
		For Work In Restricted Working Space, Add	*6.50*	
40 05 23 43-0066	EA	5/8" x 5/8" Male Connection, Stainless Steel Type 304	40.76	12.12
		For Work In Restricted Working Space, Add	*7.28*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0067	EA	3/4" x 3/4" Male Connection, Stainless Steel Type 304	48.09	13.09
		For Work In Restricted Working Space, Add	*7.87*	
40 05 23 43-0068	EA	7/8" x 7/8" Male Connection, Stainless Steel Type 304	68.46	14.55
		For Work In Restricted Working Space, Add	*8.72*	
40 05 23 43-0069	EA	1" x 1" Male Connection, Stainless Steel Type 304	73.28	17.32
		For Work In Restricted Working Space, Add	*10.38*	

40 05 23 43-0070 Type 304 Valves *(40 05 23 43-0011)*

40 05 23 43-0071 Gate Valves *(40 05 23 43-0070)*

40 05 23 43-0072	EA	1/4" Gate Valve, Stainless Steel Type 304	155.70	13.09
		For Work In Restricted Working Space, Add	*7.10*	
40 05 23 43-0073	EA	3/8" Gate Valve, Stainless Steel Type 304	262.98	15.37
		For Work In Restricted Working Space, Add	*7.48*	
40 05 23 43-0074	EA	1/2" Gate Valve, Stainless Steel Type 304	272.66	17.32
		For Work In Restricted Working Space, Add	*10.38*	
40 05 23 43-0075	EA	3/4" Gate Valve, Stainless Steel Type 304	302.20	19.84
		For Work In Restricted Working Space, Add	*11.90*	
40 05 23 43-0076	EA	1" Gate Valve, Stainless Steel Type 304	276.74	26.27
		For Work In Restricted Working Space, Add	*15.74*	

40 05 23 43-0077 Globe Valves *(40 05 23 43-0070)*

40 05 23 43-0078	EA	1/4" Globe Valve, Stainless Steel Type 304	157.86	13.09
		For Work In Restricted Working Space, Add	*7.10*	
40 05 23 43-0079	EA	3/8" Globe Valve, Stainless Steel Type 304	103.91	15.37
		For Work In Restricted Working Space, Add	*7.48*	
40 05 23 43-0080	EA	1/2" Globe Valve, Stainless Steel Type 304	187.10	17.32
		For Work In Restricted Working Space, Add	*10.38*	
40 05 23 43-0081	EA	3/4" Globe Valve, Stainless Steel Type 304	208.23	19.84
		For Work In Restricted Working Space, Add	*11.90*	
40 05 23 43-0082	EA	1" Globe Valve, Stainless Steel Type 304	303.98	26.27
		For Work In Restricted Working Space, Add	*15.74*	

40 05 23 43-0083 Check Valves *(40 05 23 43-0070)*

40 05 23 43-0084	EA	1/4" Check Valve, Stainless Steel Type 304	221.42	13.09
		For Work In Restricted Working Space, Add	*7.10*	
40 05 23 43-0085	EA	3/8" Check Valve, Stainless Steel Type 304	222.67	15.37
		For Work In Restricted Working Space, Add	*7.48*	
40 05 23 43-0086	EA	1/2" Check Valve, Stainless Steel Type 304	145.14	17.32
		For Work In Restricted Working Space, Add	*10.38*	
40 05 23 43-0087	EA	3/4" Check Valve, Stainless Steel Type 304	151.81	19.84
		For Work In Restricted Working Space, Add	*11.90*	
40 05 23 43-0088	EA	1" Check Valve, Stainless Steel Type 304	167.81	26.27
		For Work In Restricted Working Space, Add	*15.74*	

40 05 23 43-0089 Plug Valves *(40 05 23 43-0070)*

40 05 23 43-0090	EA	1/2" Plug Valve, Stainless Steel Type 304	342.57	17.32
		For Work In Restricted Working Space, Add	*10.38*	
40 05 23 43-0091	EA	3/4" Plug Valve, Stainless Steel Type 304	375.01	19.84
		For Work In Restricted Working Space, Add	*11.90*	
40 05 23 43-0092	EA	1" Plug Valve, Stainless Steel Type 304	424.30	26.27
		For Work In Restricted Working Space, Add	*15.74*	
40 05 23 43-0093	EA	1-1/2" Plug Valve, Stainless Steel Type 304	589.86	29.68
		For Work In Restricted Working Space, Add	*17.81*	
40 05 23 43-0094	EA	2" Plug Valve, Stainless Steel Type 304	767.95	40.66
		For Work In Restricted Working Space, Add	*24.40*	

40 05 23 43-0095 Type 316 Tubing *(40 05 23 43-0011)*

40 05 23 43-0096 0.035" Wall *(40 05 23 43-0095)*

40 05 23 43-0097	LF	1/4" Stainless Steel Tubing, Type 316, 0.035" Wall	5.48	2.20
		For Work In Restricted Working Space, Add	*1.31*	
40 05 23 43-0098	LF	3/8" Stainless Steel Tubing, Type 316, 0.035" Wall	6.97	2.60
		For Work In Restricted Working Space, Add	*1.57*	
40 05 23 43-0099	LF	1/2" Stainless Steel Tubing, Type 316, 0.035" Wall	7.85	3.09
		For Work In Restricted Working Space, Add	*1.83*	
40 05 23 43-0100	LF	5/8" Stainless Steel Tubing, Type 316, 0.035" Wall	12.10	3.49
		For Work In Restricted Working Space, Add	*2.09*	
40 05 23 43-0101	LF	3/4" Stainless Steel Tubing, Type 316, 0.035" Wall	13.72	3.91
		For Work In Restricted Working Space, Add	*2.36*	
40 05 23 43-0102	LF	7/8" Stainless Steel Tubing, Type 316, 0.035" Wall	16.98	4.39
		For Work In Restricted Working Space, Add	*2.62*	
40 05 23 43-0103	LF	1" Stainless Steel Tubing, Type 316, 0.035" Wall	18.29	5.29
		For Work In Restricted Working Space, Add	*3.15*	

40 05 23 43-0104 0.049" Wall *(40 05 23 43-0095)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0105	LF	1/4" Stainless Steel Tubing, Type 316, 0.049" Wall	8.73	2.60
		For Work In Restricted Working Space, Add	*1.57*	
40 05 23 43-0106	LF	3/8" Stainless Steel Tubing, Type 316, 0.049" Wall	9.79	3.09
		For Work In Restricted Working Space, Add	*1.83*	
40 05 23 43-0107	LF	1/2" Stainless Steel Tubing, Type 316, 0.049" Wall	11.46	3.49
		For Work In Restricted Working Space, Add	*2.09*	
40 05 23 43-0108	LF	5/8" Stainless Steel Tubing, Type 316, 0.049" Wall	14.83	4.39
		For Work In Restricted Working Space, Add	*2.62*	
40 05 23 43-0109	LF	3/4" Stainless Steel Tubing, Type 316, 0.049" Wall	17.26	5.29
		For Work In Restricted Working Space, Add	*3.15*	
40 05 23 43-0110	LF	7/8" Stainless Steel Tubing, Type 316, 0.049" Wall	21.61	6.10
		For Work In Restricted Working Space, Add	*3.67*	
40 05 23 43-0111	LF	1" Stainless Steel Tubing, Type 316, 0.049" Wall	22.57	6.91
		For Work In Restricted Working Space, Add	*4.17*	

40 05 23 43-0112 0.065" Wall *(40 05 23 43-0095)*

40 05 23 43-0113	LF	1/4" Stainless Steel Tubing, Type 316, 0.065" Wall	10.21	3.09
		For Work In Restricted Working Space, Add	*1.83*	
40 05 23 43-0114	LF	3/8" Stainless Steel Tubing, Type 316, 0.065" Wall	11.44	3.49
		For Work In Restricted Working Space, Add	*2.09*	
40 05 23 43-0115	LF	1/2" Stainless Steel Tubing, Type 316, 0.065" Wall	14.35	4.39
		For Work In Restricted Working Space, Add	*2.62*	
40 05 23 43-0116	LF	5/8" Stainless Steel Tubing, Type 316, 0.065" Wall	17.13	5.29
		For Work In Restricted Working Space, Add	*3.15*	
40 05 23 43-0117	LF	3/4" Stainless Steel Tubing, Type 316, 0.065" Wall	20.58	6.10
		For Work In Restricted Working Space, Add	*3.67*	
40 05 23 43-0118	LF	7/8" Stainless Steel Tubing, Type 316, 0.065" Wall	22.82	6.91
		For Work In Restricted Working Space, Add	*4.17*	
40 05 23 43-0119	LF	1" Stainless Steel Tubing, Type 316, 0.065" Wall	26.39	7.81
		For Work In Restricted Working Space, Add	*4.69*	

40 05 23 43-0120 Type 316 Tube Fittings *(40 05 23 43-0011)*

40 05 23 43-0121 90 Degree Elbows *(40 05 23 43-0120)*

40 05 23 43-0122	EA	1/4" 90 Degree Elbow, Stainless Steel Type 316	38.53	8.78
		For Work In Restricted Working Space, Add	*5.24*	
40 05 23 43-0123	EA	3/8" 90 Degree Elbow, Stainless Steel Type 316	45.68	9.60
		For Work In Restricted Working Space, Add	*5.74*	
40 05 23 43-0124	EA	1/2" 90 Degree Elbow, Stainless Steel Type 316	69.27	10.82
		For Work In Restricted Working Space, Add	*6.50*	
40 05 23 43-0125	EA	5/8" 90 Degree Elbow, Stainless Steel Type 316	73.92	12.12
		For Work In Restricted Working Space, Add	*7.28*	
40 05 23 43-0126	EA	3/4" 90 Degree Elbow, Stainless Steel Type 316	82.76	13.09
		For Work In Restricted Working Space, Add	*7.87*	
40 05 23 43-0127	EA	7/8" 90 Degree Elbow, Stainless Steel Type 316	113.48	14.55
		For Work In Restricted Working Space, Add	*8.72*	
40 05 23 43-0128	EA	1" 90 Degree Elbow, Stainless Steel Type 316	144.67	17.32
		For Work In Restricted Working Space, Add	*10.38*	

40 05 23 43-0129 Union Tees *(40 05 23 43-0120)*

40 05 23 43-0130	EA	1/4" Union Tee, Stainless Steel Type 316	61.25	13.09
		For Work In Restricted Working Space, Add	*7.87*	
40 05 23 43-0131	EA	3/8" Union Tee, Stainless Steel Type 316	74.47	14.55
		For Work In Restricted Working Space, Add	*8.72*	
40 05 23 43-0132	EA	1/2" Union Tee, Stainless Steel Type 316	102.21	16.27
		For Work In Restricted Working Space, Add	*9.76*	
40 05 23 43-0133	EA	5/8" Union Tee, Stainless Steel Type 316	109.84	18.46
		For Work In Restricted Working Space, Add	*11.09*	
40 05 23 43-0134	EA	3/4" Union Tee, Stainless Steel Type 316	140.81	19.84
		For Work In Restricted Working Space, Add	*11.90*	
40 05 23 43-0135	EA	7/8" Union Tee, Stainless Steel Type 316	224.95	21.96
		For Work In Restricted Working Space, Add	*13.19*	
40 05 23 43-0136	EA	1" Union Tee, Stainless Steel Type 316	269.62	26.27
		For Work In Restricted Working Space, Add	*15.74*	

40 05 23 43-0137 Unions *(40 05 23 43-0120)*

40 05 23 43-0138	EA	1/4" Union, Stainless Steel Type 316	42.71	13.09
		For Work In Restricted Working Space, Add	*7.87*	
40 05 23 43-0139	EA	3/8" Union, Stainless Steel Type 316	53.08	14.55
		For Work In Restricted Working Space, Add	*8.72*	
40 05 23 43-0140	EA	1/2" Union, Stainless Steel Type 316	68.68	16.27
		For Work In Restricted Working Space, Add	*9.76*	
40 05 23 43-0141	EA	5/8" Union, Stainless Steel Type 316	82.49	18.46
		For Work In Restricted Working Space, Add	*11.09*	
40 05 23 43-0142	EA	3/4" Union, Stainless Steel Type 316	96.42	19.84
		For Work In Restricted Working Space, Add	*11.90*	
40 05 23 43-0143	EA	7/8" Union, Stainless Steel Type 316	140.52	21.96
		For Work In Restricted Working Space, Add	*13.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0144	EA	1" Union, Stainless Steel Type 316	152.12	26.27
		For Work In Restricted Working Space, Add	*15.74*	

40 05 23 43-0145 Male Connectors *(40 05 23 43-0120)*

40 05 23 43-0146	EA	1/4" x 1/4" Male Connector, Stainless Steel Type 316	28.46	8.78
		For Work In Restricted Working Space, Add	*5.24*	
40 05 23 43-0147	EA	3/8" x 3/8" Male Connector, Stainless Steel Type 316	35.73	9.60
		For Work In Restricted Working Space, Add	*5.74*	
40 05 23 43-0148	EA	1/2" x 1/2" Male Connector, Stainless Steel Type 316	46.51	10.82
		For Work In Restricted Working Space, Add	*6.50*	
40 05 23 43-0149	EA	5/8" x 5/8" Male Connector, Stainless Steel Type 316	52.41	12.12
		For Work In Restricted Working Space, Add	*7.28*	
40 05 23 43-0150	EA	3/4" x 3/4" Male Connector, Stainless Steel Type 316	63.54	13.09
		For Work In Restricted Working Space, Add	*7.87*	
40 05 23 43-0151	EA	7/8" x 7/8" Male Connector, Stainless Steel Type 316	96.32	14.55
		For Work In Restricted Working Space, Add	*8.72*	
40 05 23 43-0152	EA	1" x 1" Male Connector, Stainless Steel Type 316	100.62	17.32
		For Work In Restricted Working Space, Add	*10.38*	

40 05 23 43-0153 Type 316 Valves *(40 05 23 43-0011)*

40 05 23 43-0154 Gate Valves *(40 05 23 43-0153)*

40 05 23 43-0155	EA	1/4" Gate Valve, Stainless Steel Type 316	198.32	13.09
		For Work In Restricted Working Space, Add	*7.10*	
40 05 23 43-0156	EA	3/8" Gate Valve, Stainless Steel Type 316	339.84	15.37
		For Work In Restricted Working Space, Add	*7.48*	
40 05 23 43-0157	EA	1/2" Gate Valve, Stainless Steel Type 316	349.52	17.32
		For Work In Restricted Working Space, Add	*10.38*	
40 05 23 43-0158	EA	3/4" Gate Valve, Stainless Steel Type 316	386.96	19.84
		For Work In Restricted Working Space, Add	*11.90*	
40 05 23 43-0159	EA	1" Gate Valve, Stainless Steel Type 316	349.15	26.27
		For Work In Restricted Working Space, Add	*15.74*	
40 05 23 43-0160	EA	1-1/4" Gate Valve, Stainless Steel Type 316	480.89	27.24
		For Work In Restricted Working Space, Add	*16.35*	
40 05 23 43-0161	EA	1-1/2" Gate Valve, Stainless Steel Type 316	774.58	29.68
		For Work In Restricted Working Space, Add	*17.81*	
40 05 23 43-0162	EA	2" Gate Valve, Stainless Steel Type 316	920.52	40.66
		For Work In Restricted Working Space, Add	*24.40*	
40 05 23 43-0163	EA	2-1/2" Gate Valve, Stainless Steel Type 316	1,357.00	130.21
		For Work In Restricted Working Space, Add	*78.10*	

40 05 23 43-0164 Globe Valves *(40 05 23 43-0153)*

40 05 23 43-0165	EA	1/4" Globe Valve, Stainless Steel Type 316	201.18	13.09
		For Work In Restricted Working Space, Add	*7.10*	
40 05 23 43-0166	EA	3/8" Globe Valve, Stainless Steel Type 316	129.41	15.37
		For Work In Restricted Working Space, Add	*7.48*	
40 05 23 43-0167	EA	1/2" Globe Valve, Stainless Steel Type 316	236.33	17.32
		For Work In Restricted Working Space, Add	*10.38*	
40 05 23 43-0168	EA	3/4" Globe Valve, Stainless Steel Type 316	262.65	19.84
		For Work In Restricted Working Space, Add	*11.90*	
40 05 23 43-0169	EA	1" Globe Valve, Stainless Steel Type 316	385.18	26.27
		For Work In Restricted Working Space, Add	*15.74*	
40 05 23 43-0170	EA	1-1/4" Globe Valve, Stainless Steel Type 316	481.87	27.08
		For Work In Restricted Working Space, Add	*16.23*	
40 05 23 43-0171	EA	1-1/2" Globe Valve, Stainless Steel Type 316	803.19	29.68
		For Work In Restricted Working Space, Add	*17.81*	
40 05 23 43-0172	EA	2" Globe Valve, Stainless Steel Type 316	949.13	40.66
		For Work In Restricted Working Space, Add	*24.40*	
40 05 23 43-0173	EA	2-1/2" Globe Valve, Stainless Steel Type 316	1,175.81	130.21
		For Work In Restricted Working Space, Add	*78.10*	

40 05 23 43-0174 Check Valves *(40 05 23 43-0153)*

40 05 23 43-0175	EA	1/4" Check Valve, Stainless Steel Type 316	285.27	13.09
		For Work In Restricted Working Space, Add	*7.10*	
40 05 23 43-0176	EA	3/8" Check Valve, Stainless Steel Type 316	286.52	15.37
		For Work In Restricted Working Space, Add	*7.48*	
40 05 23 43-0177	EA	1/2" Check Valve, Stainless Steel Type 316	180.83	17.32
		For Work In Restricted Working Space, Add	*10.38*	
40 05 23 43-0178	EA	3/4" Check Valve, Stainless Steel Type 316	188.01	19.84
		For Work In Restricted Working Space, Add	*11.90*	
40 05 23 43-0179	EA	1" Check Valve, Stainless Steel Type 316	205.05	26.27
		For Work In Restricted Working Space, Add	*15.74*	
40 05 23 43-0180	EA	1-1/4" Check Valve, Stainless Steel Type 316	285.08	27.24
		For Work In Restricted Working Space, Add	*16.35*	
40 05 23 43-0181	EA	1-1/2" Check Valve, Stainless Steel Type 316	641.07	29.68
		For Work In Restricted Working Space, Add	*17.81*	
40 05 23 43-0182	EA	2" Check Valve, Stainless Steel Type 316	777.48	40.66
		For Work In Restricted Working Space, Add	*24.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0183	EA	2-1/2" Check Valve, Stainless Steel Type 316	1,531.84	130.21
		For Work In Restricted Working Space, Add	*78.10*	
40 05 23 43-0184		**Diaphragm Valves, Ethylene Propylene Diene Monomer (EPDM) Lined** *(40 05 23 43-0153)*		
40 05 23 43-0185	EA	1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	305.71	17.32
		For Work In Restricted Working Space, Add	*10.38*	
40 05 23 43-0186	EA	3/4" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	357.19	19.84
		For Work In Restricted Working Space, Add	*11.90*	
40 05 23 43-0187	EA	1" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	455.40	26.27
		For Work In Restricted Working Space, Add	*15.74*	
40 05 23 43-0188	EA	1-1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	727.82	29.68
		For Work In Restricted Working Space, Add	*17.81*	
40 05 23 43-0189	EA	2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	1,017.17	40.66
		For Work In Restricted Working Space, Add	*24.40*	
40 05 23 43-0190		**Diaphragm Valves, Teflon Lined** *(40 05 23 43-0153)*		
40 05 23 43-0191	EA	1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	405.98	17.32
		For Work In Restricted Working Space, Add	*10.38*	
40 05 23 43-0192	EA	3/4" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	466.74	19.84
		For Work In Restricted Working Space, Add	*11.90*	
40 05 23 43-0193	EA	1" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	564.96	26.27
		For Work In Restricted Working Space, Add	*15.74*	
40 05 23 43-0194	EA	1-1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	881.93	29.68
		For Work In Restricted Working Space, Add	*17.81*	
40 05 23 43-0195	EA	2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	1,201.00	40.66
		For Work In Restricted Working Space, Add	*24.40*	
40 05 23 43-0196		**Strainers** *(40 05 23 43-0153)*		
40 05 23 43-0197	EA	1/2" Strainer, Stainless Steel Type 316	406.94	17.32
		For Work In Restricted Working Space, Add	*10.38*	
40 05 23 43-0198	EA	3/4" Strainer, Stainless Steel Type 316	487.15	19.92
		For Work In Restricted Working Space, Add	*11.96*	
40 05 23 43-0199	EA	1" Strainer, Stainless Steel Type 316	637.33	26.43
		For Work In Restricted Working Space, Add	*15.86*	
40 05 23 43-0200	EA	1-1/4" Strainer, Stainless Steel Type 316	792.41	27.24
		For Work In Restricted Working Space, Add	*16.35*	
40 05 23 43-0201	EA	1-1/2" Strainer, Stainless Steel Type 316	995.45	29.68
		For Work In Restricted Working Space, Add	*17.81*	
40 05 23 43-0202	EA	2" Strainer, Stainless Steel Type 316	1,435.97	40.66
		For Work In Restricted Working Space, Add	*24.40*	
40 05 23 43-0203	EA	2-1/2" Strainer, Stainless Steel Type 316	1,973.75	54.09
		For Work In Restricted Working Space, Add	*32.45*	
40 05 23 43-0204	EA	3" Strainer, Stainless Steel Type 316	2,873.85	81.33
		For Work In Restricted Working Space, Add	*48.80*	
40 05 23 43-0205	EA	4" Strainer, Stainless Steel Type 316	3,673.73	130.13
		For Work In Restricted Working Space, Add	*78.07*	
40 05 23 43-0206		**Plug Valves** *(40 05 23 43-0153)*		
40 05 23 43-0207	EA	1/2" Plug Valve, Stainless Steel Type 316	433.86	17.32
		For Work In Restricted Working Space, Add	*10.38*	
40 05 23 43-0208	EA	3/4" Plug Valve, Stainless Steel Type 316	474.40	19.84
		For Work In Restricted Working Space, Add	*11.90*	
40 05 23 43-0209	EA	1" Plug Valve, Stainless Steel Type 316	534.52	26.27
		For Work In Restricted Working Space, Add	*15.74*	
40 05 23 43-0210	EA	1-1/2" Plug Valve, Stainless Steel Type 316	747.11	29.68
		For Work In Restricted Working Space, Add	*17.81*	
40 05 23 43-0211	EA	2" Plug Valve, Stainless Steel Type 316	971.48	40.66
		For Work In Restricted Working Space, Add	*24.40*	
40 05 23 43-0212		**Cut And Prepare Existing Pipe In-Place** *(40 05 23 43-0011)*		
		Note: For use when connecting pipe to an existing in-place system.		
40 05 23 43-0213	EA	Cut And Prepare 1/2" Stainless Steel Pipe	16.26	
40 05 23 43-0214	EA	Cut And Prepare 3/4" Stainless Steel Pipe	17.56	
40 05 23 43-0215	EA	Cut And Prepare 1" Stainless Steel Pipe	19.75	
40 05 23 43-0216	EA	Cut And Prepare 1-1/4" Stainless Steel Pipe	20.73	
40 05 23 43-0217	EA	Cut And Prepare 1-1/2" Stainless Steel Pipe	21.95	
40 05 23 43-0218	EA	Cut And Prepare 2" Stainless Steel Pipe	23.57	
40 05 23 43-0219	EA	Cut And Prepare 2-1/2" Stainless Steel Pipe	25.20	
40 05 23 43-0220	EA	Cut And Prepare 3" Stainless Steel Pipe	27.64	
40 05 23 43-0221	EA	Cut And Prepare 4" Stainless Steel Pipe	30.08	
40 05 23 43-0222	EA	Cut And Prepare 6" Stainless Steel Pipe	32.52	
40 05 23 43-0223	EA	Cut And Prepare 8" Stainless Steel Pipe	34.96	
40 05 23 43-0224	EA	Cut And Prepare 10" Stainless Steel Pipe	38.21	
40 05 23 43-0225	EA	Cut And Prepare 12" Stainless Steel Pipe	41.46	
40 05 23 43-0226	EA	Cut And Prepare 14" Stainless Steel Pipe	44.71	
40 05 23 43-0227	EA	Cut And Prepare 16" Stainless Steel Pipe	47.96	
40 05 23 43-0228	EA	Cut And Prepare 18" Stainless Steel Pipe	50.40	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0229	EA	Cut And Prepare 20" Stainless Steel Pipe	52.85	
40 05 23 43-0230	EA	Cut And Prepare 24" Stainless Steel Pipe	56.10	
40 05 23 43-0231		**Stainless Steel Pipe And Fittings** *(40 05 23 43)*		
40 05 23 43-0232		**Type 304, Schedule 40 Pipe And 150 LB Threaded Fittings** *(40 05 23 43-0231)*		
40 05 23 43-0233		**Pipe** *(40 05 23 43-0232)*		
40 05 23 43-0234	LF	1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	11.69	3.49
		For Work In Restricted Working Space, Add	*2.09*	
40 05 23 43-0235	LF	3/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	14.40	4.39
		For Work In Restricted Working Space, Add	*2.62*	
40 05 23 43-0236	LF	1" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	17.69	5.29
		For Work In Restricted Working Space, Add	*3.15*	
40 05 23 43-0237	LF	1-1/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	21.22	6.10
		For Work In Restricted Working Space, Add	*3.67*	
40 05 23 43-0238	LF	1-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	24.54	6.91
		For Work In Restricted Working Space, Add	*4.17*	
40 05 23 43-0239	LF	2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	31.32	8.78
		For Work In Restricted Working Space, Add	*5.24*	
40 05 23 43-0240	LF	2-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	42.21	10.41
		For Work In Restricted Working Space, Add	*6.26*	
40 05 23 43-0241	LF	3" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	53.07	13.09
		For Work In Restricted Working Space, Add	*7.87*	
40 05 23 43-0242	LF	4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	71.76	17.32
		For Work In Restricted Working Space, Add	*10.38*	
40 05 23 43-0243		**90 Degree Elbows** *(40 05 23 43-0232)*		
40 05 23 43-0244	EA	1/2" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	32.79	13.09
		For Work In Restricted Working Space, Add	*7.87*	
40 05 23 43-0245	EA	3/4" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	42.05	17.32
		For Work In Restricted Working Space, Add	*10.38*	
40 05 23 43-0246	EA	1" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	53.85	21.96
		For Work In Restricted Working Space, Add	*13.19*	
40 05 23 43-0247	EA	1-1/4" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	75.08	30.09
		For Work In Restricted Working Space, Add	*18.07*	
40 05 23 43-0248	EA	1-1/2" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	87.59	35.37
		For Work In Restricted Working Space, Add	*21.22*	
40 05 23 43-0249	EA	2" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	109.97	42.78
		For Work In Restricted Working Space, Add	*25.68*	
40 05 23 43-0250	EA	2-1/2" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	202.81	67.74
		For Work In Restricted Working Space, Add	*40.67*	
40 05 23 43-0251	EA	3" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	259.84	87.42
		For Work In Restricted Working Space, Add	*52.47*	
40 05 23 43-0252	EA	4" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	383.39	108.41
		For Work In Restricted Working Space, Add	*65.06*	
40 05 23 43-0253		**45 Degree Elbows** *(40 05 23 43-0232)*		
40 05 23 43-0254	EA	1/2" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	35.21	13.09
		For Work In Restricted Working Space, Add	*7.87*	
40 05 23 43-0255	EA	3/4" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	44.33	17.32
		For Work In Restricted Working Space, Add	*10.38*	
40 05 23 43-0256	EA	1" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	54.67	21.96
		For Work In Restricted Working Space, Add	*13.19*	
40 05 23 43-0257	EA	1-1/4" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	74.10	30.09
		For Work In Restricted Working Space, Add	*18.07*	
40 05 23 43-0258	EA	1-1/2" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	88.64	35.37
		For Work In Restricted Working Space, Add	*21.22*	
40 05 23 43-0259	EA	2" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	110.94	42.78
		For Work In Restricted Working Space, Add	*25.68*	
40 05 23 43-0260	EA	2-1/2" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	223.18	67.74
		For Work In Restricted Working Space, Add	*40.67*	
40 05 23 43-0261	EA	3" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	298.75	87.42
		For Work In Restricted Working Space, Add	*52.47*	
40 05 23 43-0262	EA	4" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	440.84	108.41
		For Work In Restricted Working Space, Add	*65.06*	
40 05 23 43-0263		**Tees** *(40 05 23 43-0232)*		
40 05 23 43-0264	EA	1/2" Tee, Stainless Steel, Schedule 40 Type 304	49.50	19.84
		For Work In Restricted Working Space, Add	*11.90*	
40 05 23 43-0265	EA	3/4" Tee, Stainless Steel, Schedule 40 Type 304	62.96	26.27
		For Work In Restricted Working Space, Add	*15.74*	
40 05 23 43-0266	EA	1" Tee, Stainless Steel, Schedule 40 Type 304	77.46	32.53
		For Work In Restricted Working Space, Add	*19.52*	
40 05 23 43-0267	EA	1-1/4" Tee, Stainless Steel, Schedule 40 Type 304	110.63	45.22
		For Work In Restricted Working Space, Add	*27.11*	
40 05 23 43-0268	EA	1-1/2" Tee, Stainless Steel, Schedule 40 Type 304	127.13	50.83
		For Work In Restricted Working Space, Add	*30.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0269	EA	2" Tee, Stainless Steel, Schedule 40 Type 304	166.31	67.74
		For Work In Restricted Working Space, Add	*40.67*	
40 05 23 43-0270	EA	2-1/2" Tee, Stainless Steel, Schedule 40 Type 304	297.77	98.00
		For Work In Restricted Working Space, Add	*58.79*	
40 05 23 43-0271	EA	3" Tee, Stainless Steel, Schedule 40 Type 304	417.25	131.19
		For Work In Restricted Working Space, Add	*78.70*	
40 05 23 43-0272	EA	4" Tee, Stainless Steel, Schedule 40 Type 304	574.95	162.65
		For Work In Restricted Working Space, Add	*97.59*	
40 05 23 43-0273		**Reducers** *(40 05 23 43-0232)*		
40 05 23 43-0274	EA	3/4" x 1/2" Reducer, Stainless Steel, Schedule 40 Type 304	40.78	17.32
		For Work In Restricted Working Space, Add	*10.38*	
40 05 23 43-0275	EA	1" x 3/4" Reducer, Stainless Steel, Schedule 40 Type 304	53.08	21.96
		For Work In Restricted Working Space, Add	*13.19*	
40 05 23 43-0276	EA	1-1/4" x 1" Reducer, Stainless Steel, Schedule 40 Type 304	78.91	30.09
		For Work In Restricted Working Space, Add	*18.07*	
40 05 23 43-0277	EA	1-1/2" x 1-1/4" Reducer, Stainless Steel, Schedule 40 Type 304	91.32	35.37
		For Work In Restricted Working Space, Add	*21.22*	
40 05 23 43-0278	EA	2" x 1-1/2" Reducer, Stainless Steel, Schedule 40 Type 304	117.72	42.78
		For Work In Restricted Working Space, Add	*25.68*	
40 05 23 43-0279	EA	2-1/2" x 2" Reducer, Stainless Steel, Schedule 40 Type 304	203.01	67.74
		For Work In Restricted Working Space, Add	*40.67*	
40 05 23 43-0280	EA	3" x 2-1/2" Reducer, Stainless Steel, Schedule 40 Type 304	247.07	87.42
		For Work In Restricted Working Space, Add	*52.47*	
40 05 23 43-0281	EA	4" x 3" Reducer, Stainless Steel, Schedule 40 Type 304	357.74	108.41
		For Work In Restricted Working Space, Add	*65.06*	
40 05 23 43-0282	EA	4" x 2" Reducer, Stainless Steel, Schedule 40 Type 304	302.34	99.63
		For Work In Restricted Working Space, Add	*59.78*	
40 05 23 43-0283		**Unions** *(40 05 23 43-0232)*		
40 05 23 43-0284	EA	1/2" Union, Stainless Steel, Schedule 40 Type 304	53.33	19.84
		For Work In Restricted Working Space, Add	*11.90*	
40 05 23 43-0285	EA	3/4" Union, Stainless Steel, Schedule 40 Type 304	71.19	26.27
		For Work In Restricted Working Space, Add	*15.74*	
40 05 23 43-0286	EA	1" Union, Stainless Steel, Schedule 40 Type 304	92.24	32.53
		For Work In Restricted Working Space, Add	*19.52*	
40 05 23 43-0287	EA	1-1/4" Union, Stainless Steel, Schedule 40 Type 304	140.31	45.22
		For Work In Restricted Working Space, Add	*27.11*	
40 05 23 43-0288	EA	1-1/2" Union, Stainless Steel, Schedule 40 Type 304	160.37	50.83
		For Work In Restricted Working Space, Add	*30.50*	
40 05 23 43-0289	EA	2" Union, Stainless Steel, Schedule 40 Type 304	209.67	67.74
		For Work In Restricted Working Space, Add	*40.67*	
40 05 23 43-0290		**Flanges** *(40 05 23 43-0232)*		
40 05 23 43-0291	EA	2-1/2" Flange, Stainless Steel, Schedule 40 Type 304	195.34	67.74
		For Work In Restricted Working Space, Add	*40.67*	
40 05 23 43-0292	EA	3" Flange, Stainless Steel, Schedule 40 Type 304	240.09	87.42
		For Work In Restricted Working Space, Add	*52.47*	
40 05 23 43-0293	EA	4" Flange, Stainless Steel, Schedule 40 Type 304	310.55	108.41
		For Work In Restricted Working Space, Add	*65.06*	
40 05 23 43-0294		**Caps** *(40 05 23 43-0232)*		
40 05 23 43-0295	EA	1/2" Caps, Stainless Steel, Schedule 40 Type 304	15.62	6.59
		For Work In Restricted Working Space, Add	*3.93*	
40 05 23 43-0296	EA	3/4" Caps, Stainless Steel, Schedule 40 Type 304	21.14	8.78
		For Work In Restricted Working Space, Add	*5.24*	
40 05 23 43-0297	EA	1" Caps, Stainless Steel, Schedule 40 Type 304	27.06	10.82
		For Work In Restricted Working Space, Add	*6.50*	
40 05 23 43-0298	EA	1-1/4" Caps, Stainless Steel, Schedule 40 Type 304	44.78	15.37
		For Work In Restricted Working Space, Add	*9.21*	
40 05 23 43-0299	EA	1-1/2" Caps, Stainless Steel, Schedule 40 Type 304	50.87	17.32
		For Work In Restricted Working Space, Add	*10.38*	
40 05 23 43-0300	EA	2" Caps, Stainless Steel, Schedule 40 Type 304	64.59	21.96
		For Work In Restricted Working Space, Add	*13.19*	
40 05 23 43-0301	EA	2-1/2" Caps, Stainless Steel, Schedule 40 Type 304	100.02	32.53
		For Work In Restricted Working Space, Add	*19.52*	
40 05 23 43-0302	EA	3" Caps, Stainless Steel, Schedule 40 Type 304	133.94	42.78
		For Work In Restricted Working Space, Add	*25.68*	
40 05 23 43-0303	EA	4" Caps, Stainless Steel, Schedule 40 Type 304	197.77	54.25
		For Work In Restricted Working Space, Add	*32.53*	
40 05 23 43-0304		**Additional Fittings** *(40 05 23 43-0232)*		
40 05 23 43-0305	EA	1/2" Thread-O-Let, Stainless Steel, Schedule 40 Type 304	64.47	27.24
		For Work In Restricted Working Space, Add	*16.35*	
40 05 23 43-0306	EA	3/4" Thread-O-Let, Stainless Steel, Schedule 40 Type 304	75.60	32.53
		For Work In Restricted Working Space, Add	*19.52*	
40 05 23 43-0307	EA	1" Thread-O-Let, Stainless Steel, Schedule 40 Type 304	110.67	37.00
		For Work In Restricted Working Space, Add	*22.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0308	EA	1-1/4" Thread-O-Let, Stainless Steel, Schedule 40 Type 304	131.94	40.66
		For Work In Restricted Working Space, Add	*24.40*	
40 05 23 43-0309	EA	1-1/2" Thread-O-Let, Stainless Steel, Schedule 40 Type 304	131.94	40.66
		For Work In Restricted Working Space, Add	*24.40*	
40 05 23 43-0310	EA	2" Thread-O-Let, Stainless Steel, Schedule 40 Type 304	166.88	44.73
		For Work In Restricted Working Space, Add	*26.84*	
40 05 23 43-0311		Type 304 Schedule 5 Pipe And Welded Butt Fittings *(40 05 23 43-0231)*		
40 05 23 43-0312		Pipe *(40 05 23 43-0311)*		
40 05 23 43-0313	LF	1/2" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting	12.79	3.41
		For Work In Restricted Working Space, Add	*2.05*	
40 05 23 43-0314	LF	3/4" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting	15.19	4.18
		For Work In Restricted Working Space, Add	*2.50*	
40 05 23 43-0315	LF	1" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting	18.08	4.93
		For Work In Restricted Working Space, Add	*2.94*	
40 05 23 43-0316	LF	1-1/4" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting	21.69	6.15
		For Work In Restricted Working Space, Add	*3.67*	
40 05 23 43-0317	LF	1-1/2" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting	24.70	6.90
		For Work In Restricted Working Space, Add	*4.14*	
40 05 23 43-0318	LF	2" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting	30.76	8.57
		For Work In Restricted Working Space, Add	*5.12*	
40 05 23 43-0319	LF	2-1/2" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting	38.56	9.78
		For Work In Restricted Working Space, Add	*5.86*	
40 05 23 43-0320	LF	3" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting	44.93	10.99
		For Work In Restricted Working Space, Add	*6.59*	
40 05 23 43-0321	LF	4" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting	55.35	13.05
		For Work In Restricted Working Space, Add	*7.81*	
40 05 23 43-0322	LF	6" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting	88.55	17.14
		For Work In Restricted Working Space, Add	*10.25*	
40 05 23 43-0323	LF	8" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting	148.77	30.58
		For Work In Restricted Working Space, Add	*19.65*	
40 05 23 43-0324	LF	10" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting	189.31	33.62
		For Work In Restricted Working Space, Add	*21.61*	
40 05 23 43-0325	LF	12" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting	216.18	37.38
		For Work In Restricted Working Space, Add	*24.01*	
40 05 23 43-0326	LF	14" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting	264.91	42.03
		For Work In Restricted Working Space, Add	*27.02*	
40 05 23 43-0327	LF	16" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting	292.17	48.03
		For Work In Restricted Working Space, Add	*30.88*	
40 05 23 43-0328	LF	18" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting	327.95	56.03
		For Work In Restricted Working Space, Add	*36.02*	
40 05 23 43-0329	LF	20" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting	436.26	67.24
		For Work In Restricted Working Space, Add	*43.23*	
40 05 23 43-0330	LF	24" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting	567.59	84.05
		For Work In Restricted Working Space, Add	*54.03*	
40 05 23 43-0331		90 Degree Elbows *(40 05 23 43-0311)*		
40 05 23 43-0332	EA	1/2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304	99.99	43.23
		For Work In Restricted Working Space, Add	*25.94*	
40 05 23 43-0333	EA	3/4" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304	106.01	45.89
		For Work In Restricted Working Space, Add	*27.53*	
40 05 23 43-0334	EA	1" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304	116.35	50.44
		For Work In Restricted Working Space, Add	*30.26*	
40 05 23 43-0335	EA	1-1/4" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304	134.77	54.98
		For Work In Restricted Working Space, Add	*32.99*	
40 05 23 43-0336	EA	1-1/2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304	140.71	60.68
		For Work In Restricted Working Space, Add	*36.37*	
40 05 23 43-0337	EA	2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304	161.16	67.50
		For Work In Restricted Working Space, Add	*40.51*	
40 05 23 43-0338	EA	2-1/2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304	209.86	86.46
		For Work In Restricted Working Space, Add	*51.80*	
40 05 23 43-0339	EA	3" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304	249.06	101.24
		For Work In Restricted Working Space, Add	*60.64*	
40 05 23 43-0340	EA	4" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304	328.90	121.34
		For Work In Restricted Working Space, Add	*72.65*	
40 05 23 43-0341	EA	6" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304	550.76	151.68
		For Work In Restricted Working Space, Add	*90.87*	
40 05 23 43-0342	EA	8" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304	935.96	240.14
		For Work In Restricted Working Space, Add	*154.38*	
40 05 23 43-0343	EA	10" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304	1,553.66	320.19
		For Work In Restricted Working Space, Add	*205.84*	
40 05 23 43-0344	EA	12" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304	2,401.31	480.29
		For Work In Restricted Working Space, Add	*308.76*	
40 05 23 43-0345	EA	14" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304	3,052.63	560.33
		For Work In Restricted Working Space, Add	*360.22*	
40 05 23 43-0346	EA	16" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304	3,784.56	640.39
		For Work In Restricted Working Space, Add	*410.90*	
40 05 23 43-0347	EA	18" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304	4,820.73	800.49
		For Work In Restricted Working Space, Add	*514.60*	
40 05 23 43-0348	EA	20" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304	7,889.90	1,120.68
		For Work In Restricted Working Space, Add	*720.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0349	EA	24" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304	10,955.12	1,600.97
		For Work In Restricted Working Space, Add	*1,029.19*	

40 05 23 43-0350 45 Degree Elbows *(40 05 23 43-0311)*

40 05 23 43-0351	EA	1/2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304	105.93	43.23
		For Work In Restricted Working Space, Add	*25.94*	
40 05 23 43-0352	EA	3/4" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304	111.24	45.89
		For Work In Restricted Working Space, Add	*27.53*	
40 05 23 43-0353	EA	1" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304	122.81	50.44
		For Work In Restricted Working Space, Add	*30.26*	
40 05 23 43-0354	EA	1-1/4" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304	147.09	54.98
		For Work In Restricted Working Space, Add	*32.97*	
40 05 23 43-0355	EA	1-1/2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304	141.31	60.68
		For Work In Restricted Working Space, Add	*36.42*	
40 05 23 43-0356	EA	2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304	157.97	67.50
		For Work In Restricted Working Space, Add	*40.51*	
40 05 23 43-0357	EA	2-1/2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304	210.90	86.46
		For Work In Restricted Working Space, Add	*51.85*	
40 05 23 43-0358	EA	3" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304	241.52	101.24
		For Work In Restricted Working Space, Add	*60.77*	
40 05 23 43-0359	EA	4" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304	311.51	121.34
		For Work In Restricted Working Space, Add	*72.74*	
40 05 23 43-0360	EA	6" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304	452.09	151.68
		For Work In Restricted Working Space, Add	*91.01*	
40 05 23 43-0361	EA	8" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304	774.85	240.14
		For Work In Restricted Working Space, Add	*154.38*	
40 05 23 43-0362	EA	10" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304	1,270.38	320.19
		For Work In Restricted Working Space, Add	*205.84*	
40 05 23 43-0363	EA	12" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304	1,958.69	480.29
		For Work In Restricted Working Space, Add	*308.76*	
40 05 23 43-0364	EA	14" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304	2,432.96	560.33
		For Work In Restricted Working Space, Add	*360.22*	
40 05 23 43-0365	EA	16" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304	2,989.63	640.39
		For Work In Restricted Working Space, Add	*410.90*	
40 05 23 43-0366	EA	18" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304	4,078.90	800.49
		For Work In Restricted Working Space, Add	*514.60*	
40 05 23 43-0367	EA	20" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304	6,925.00	1,120.68
		For Work In Restricted Working Space, Add	*720.44*	
40 05 23 43-0368	EA	24" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304	9,388.25	1,600.97
		For Work In Restricted Working Space, Add	*1,029.19*	

40 05 23 43-0369 Tees *(40 05 23 43-0311)*

40 05 23 43-0370	EA	1/2" Tees, Stainless Steel Schedule 5 Type 304	164.76	54.98
		For Work In Restricted Working Space, Add	*32.96*	
40 05 23 43-0371	EA	3/4" Tees, Stainless Steel Schedule 5 Type 304	189.77	67.50
		For Work In Restricted Working Space, Add	*40.47*	
40 05 23 43-0372	EA	1" Tees, Stainless Steel Schedule 5 Type 304	203.79	75.85
		For Work In Restricted Working Space, Add	*45.47*	
40 05 23 43-0373	EA	1-1/4" Tees, Stainless Steel Schedule 5 Type 304	262.25	86.46
		For Work In Restricted Working Space, Add	*51.85*	
40 05 23 43-0374	EA	1-1/2" Tees, Stainless Steel Schedule 5 Type 304	237.75	92.90
		For Work In Restricted Working Space, Add	*55.66*	
40 05 23 43-0375	EA	2" Tees, Stainless Steel Schedule 5 Type 304	257.24	101.24
		For Work In Restricted Working Space, Add	*60.71*	
40 05 23 43-0376	EA	2-1/2" Tees, Stainless Steel Schedule 5 Type 304	398.26	121.34
		For Work In Restricted Working Space, Add	*72.74*	
40 05 23 43-0377	EA	3" Tees, Stainless Steel Schedule 5 Type 304	405.66	151.68
		For Work In Restricted Working Space, Add	*91.16*	
40 05 23 43-0378	EA	4" Tees, Stainless Steel Schedule 5 Type 304	484.42	170.64
		For Work In Restricted Working Space, Add	*102.30*	
40 05 23 43-0379	EA	6" Tees, Stainless Steel Schedule 5 Type 304	888.45	227.53
		For Work In Restricted Working Space, Add	*136.41*	
40 05 23 43-0380	EA	8" Tee, Stainless Steel Schedule 5 Type 304	1,677.59	320.19
		For Work In Restricted Working Space, Add	*205.84*	
40 05 23 43-0381	EA	10" Tee, Stainless Steel Schedule 5 Type 304	2,587.21	480.29
		For Work In Restricted Working Space, Add	*308.76*	
40 05 23 43-0382	EA	12" Tee, Stainless Steel Schedule 5 Type 304	3,278.27	600.37
		For Work In Restricted Working Space, Add	*385.95*	
40 05 23 43-0383	EA	14" Tee, Stainless Steel Schedule 5 Type 304	4,153.89	720.43
		For Work In Restricted Working Space, Add	*463.80*	
40 05 23 43-0384	EA	16" Tee, Stainless Steel Schedule 5 Type 304	4,669.12	880.53
		For Work In Restricted Working Space, Add	*565.79*	
40 05 23 43-0385	EA	18" Tee, Stainless Steel Schedule 5 Type 304	5,721.08	1,120.68
		For Work In Restricted Working Space, Add	*720.44*	
40 05 23 43-0386	EA	20" Tee, Stainless Steel Schedule 5 Type 304	8,612.83	1,480.90
		For Work In Restricted Working Space, Add	*947.94*	
40 05 23 43-0387	EA	24" Tee, Stainless Steel Schedule 5 Type 304	13,200.22	2,241.36
		For Work In Restricted Working Space, Add	*1,440.87*	

40 05 23 43-0388 Reducers *(40 05 23 43-0311)*

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	CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0389	EA		3/4" Reducer, Stainless Steel Schedule 5 Type 304	109.83	41.71
			For Work In Restricted Working Space, Add	*25.05*	
40 05 23 43-0390	EA		1" Reducer, Stainless Steel Schedule 5 Type 304	121.41	45.51
			For Work In Restricted Working Space, Add	*27.30*	
40 05 23 43-0391	EA		1-1/4" Reducer, Stainless Steel Schedule 5 Type 304	148.35	50.44
			For Work In Restricted Working Space, Add	*30.26*	
40 05 23 43-0392	EA		1-1/2" Reducer, Stainless Steel Schedule 5 Type 304	130.25	54.98
			For Work In Restricted Working Space, Add	*32.97*	
40 05 23 43-0393	EA		2" Reducer, Stainless Steel Schedule 5 Type 304	143.42	60.68
			For Work In Restricted Working Space, Add	*36.42*	
40 05 23 43-0394	EA		2-1/2" Reducer, Stainless Steel Schedule 5 Type 304	185.07	75.85
			For Work In Restricted Working Space, Add	*45.50*	
40 05 23 43-0395	EA		3" Reducer, Stainless Steel Schedule 5 Type 304	205.73	86.46
			For Work In Restricted Working Space, Add	*51.80*	
40 05 23 43-0396	EA		4" Reducer, Stainless Steel Schedule 5 Type 304	239.64	101.24
			For Work In Restricted Working Space, Add	*60.71*	
40 05 23 43-0397	EA		6" Reducer, Stainless Steel Schedule 5 Type 304	308.45	128.93
			For Work In Restricted Working Space, Add	*77.28*	
40 05 23 43-0398	EA		8" Reducer, Stainless Steel Schedule 5 Type 304	644.71	192.12
			For Work In Restricted Working Space, Add	*123.50*	
40 05 23 43-0399	EA		10" Reducer, Stainless Steel Schedule 5 Type 304	838.70	240.14
			For Work In Restricted Working Space, Add	*154.38*	
40 05 23 43-0400	EA		12" Reducer, Stainless Steel Schedule 5 Type 304	1,115.24	320.19
			For Work In Restricted Working Space, Add	*205.84*	
40 05 23 43-0401	EA		14" Reducer, Stainless Steel Schedule 5 Type 304	1,479.28	420.25
			For Work In Restricted Working Space, Add	*270.16*	
40 05 23 43-0402	EA		16" Reducer, Stainless Steel Schedule 5 Type 304	1,747.62	480.29
			For Work In Restricted Working Space, Add	*307.88*	
40 05 23 43-0403	EA		18" Reducer, Stainless Steel Schedule 5 Type 304	2,175.06	600.37
			For Work In Restricted Working Space, Add	*385.95*	
40 05 23 43-0404	EA		20" Reducer, Stainless Steel Schedule 5 Type 304	3,253.78	800.49
			For Work In Restricted Working Space, Add	*514.60*	
40 05 23 43-0405	EA		24" Reducer, Stainless Steel Schedule 5 Type 304	5,080.47	1,200.72
			For Work In Restricted Working Space, Add	*771.89*	

40 05 23 43-0406 Weld Neck Flanges *(40 05 23 43-0311)*

40 05 23 43-0407	EA		1/2" Flanges, Stainless Steel Schedule 5 Type 304	61.70	17.45
			For Work In Restricted Working Space, Add	*10.47*	
40 05 23 43-0408	EA		3/4" Flanges, Stainless Steel Schedule 5 Type 304	64.74	18.96
			For Work In Restricted Working Space, Add	*11.38*	
40 05 23 43-0409	EA		1" Flanges, Stainless Steel Schedule 5 Type 304	77.65	25.41
			For Work In Restricted Working Space, Add	*15.25*	
40 05 23 43-0410	EA		1-1/4" Flanges, Stainless Steel Schedule 5 Type 304	86.15	26.54
			For Work In Restricted Working Space, Add	*15.92*	
40 05 23 43-0411	EA		1-1/2" Flanges, Stainless Steel Schedule 5 Type 304	100.00	30.34
			For Work In Restricted Working Space, Add	*18.20*	
40 05 23 43-0412	EA		2" Flanges, Stainless Steel Schedule 5 Type 304	119.14	34.13
			For Work In Restricted Working Space, Add	*20.46*	
40 05 23 43-0413	EA		2-1/2" Flanges, Stainless Steel Schedule 5 Type 304	161.37	43.61
			For Work In Restricted Working Space, Add	*26.17*	
40 05 23 43-0414	EA		3" Flanges, Stainless Steel Schedule 5 Type 304	178.55	50.44
			For Work In Restricted Working Space, Add	*30.24*	
40 05 23 43-0415	EA		4" Flanges, Stainless Steel Schedule 5 Type 304	244.63	68.26
			For Work In Restricted Working Space, Add	*40.95*	
40 05 23 43-0416	EA		6" Flanges, Stainless Steel Schedule 5 Type 304	370.34	101.24
			For Work In Restricted Working Space, Add	*60.71*	
40 05 23 43-0417	EA		8" Flange, Stainless Steel Schedule 5 Type 304	678.51	120.08
			For Work In Restricted Working Space, Add	*77.19*	
40 05 23 43-0418	EA		10" Flange, Stainless Steel Schedule 5 Type 304	1,029.67	140.08
			For Work In Restricted Working Space, Add	*90.05*	
40 05 23 43-0419	EA		12" Flange, Stainless Steel Schedule 5 Type 304	1,420.24	160.10
			For Work In Restricted Working Space, Add	*102.92*	
40 05 23 43-0420	EA		14" Flange, Stainless Steel Schedule 5 Type 304	1,881.31	200.12
			For Work In Restricted Working Space, Add	*128.65*	
40 05 23 43-0421	EA		16" Flange, Stainless Steel Schedule 5 Type 304	2,511.75	240.14
			For Work In Restricted Working Space, Add	*154.38*	
40 05 23 43-0422	EA		18" Flange, Stainless Steel Schedule 5 Type 304	2,615.00	280.17
			For Work In Restricted Working Space, Add	*180.11*	
40 05 23 43-0423	EA		20" Flange, Stainless Steel Schedule 5 Type 304	3,596.79	340.21
			For Work In Restricted Working Space, Add	*218.76*	
40 05 23 43-0424	EA		24" Flange, Stainless Steel Schedule 5 Type 304	8,009.21	440.27
			For Work In Restricted Working Space, Add	*282.89*	

40 05 23 43-0425 Slip-On Flanges *(40 05 23 43-0311)*

40 05 23 43-0426	EA		1/2" Flange, Stainless Steel Schedule 5 Type 304	103.76	37.92
			For Work In Restricted Working Space, Add	*22.76*	
40 05 23 43-0427	EA		3/4" Flange, Stainless Steel Schedule 5 Type 304	107.52	37.92
			For Work In Restricted Working Space, Add	*22.76*	
40 05 23 43-0428	EA		1" Flange, Stainless Steel Schedule 5 Type 304	127.27	46.64
			For Work In Restricted Working Space, Add	*27.99*	
40 05 23 43-0429	EA		1-1/4" Flange, Stainless Steel Schedule 5 Type 304	140.18	50.44
			For Work In Restricted Working Space, Add	*30.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0430	EA	1-1/2" Flange, Stainless Steel Schedule 5 Type 304	156.33	55.37
		For Work In Restricted Working Space, Add	*33.23*	
40 05 23 43-0431	EA	2" Flange, Stainless Steel Schedule 5 Type 304	181.99	60.68
		For Work In Restricted Working Space, Add	*36.37*	
40 05 23 43-0432	EA	2-1/2" Flange, Stainless Steel Schedule 5 Type 304	224.07	68.26
		For Work In Restricted Working Space, Add	*40.95*	
40 05 23 43-0433	EA	3" Flange, Stainless Steel Schedule 5 Type 304	245.39	75.85
		For Work In Restricted Working Space, Add	*45.47*	
40 05 23 43-0434	EA	4" Flange, Stainless Steel Schedule 5 Type 304	334.58	101.63
		For Work In Restricted Working Space, Add	*60.97*	
40 05 23 43-0435	EA	6" Flange, Stainless Steel Schedule 5 Type 304	506.62	151.68
		For Work In Restricted Working Space, Add	*90.87*	
40 05 23 43-0436	EA	8" Flange, Stainless Steel Schedule 5 Type 304	1,464.39	240.14
		For Work In Restricted Working Space, Add	*154.38*	

40 05 23 43-0437 Caps *(40 05 23 43-0311)*

40 05 23 43-0438	EA	1/2" Cap, Stainless Steel Schedule 5 Type 304	52.70	17.45
		For Work In Restricted Working Space, Add	*10.47*	
40 05 23 43-0439	EA	3/4" Cap, Stainless Steel Schedule 5 Type 304	58.21	18.96
		For Work In Restricted Working Space, Add	*11.38*	
40 05 23 43-0440	EA	1" Cap, Stainless Steel Schedule 5 Type 304	73.18	25.03
		For Work In Restricted Working Space, Add	*15.02*	
40 05 23 43-0441	EA	1-1/4" Cap, Stainless Steel Schedule 5 Type 304	78.96	26.54
		For Work In Restricted Working Space, Add	*15.92*	
40 05 23 43-0442	EA	1-1/2" Cap, Stainless Steel Schedule 5 Type 304	88.41	30.34
		For Work In Restricted Working Space, Add	*18.20*	
40 05 23 43-0443	EA	2" Cap, Stainless Steel Schedule 5 Type 304	96.85	34.13
		For Work In Restricted Working Space, Add	*20.46*	
40 05 23 43-0444	EA	2-1/2" Cap, Stainless Steel Schedule 5 Type 304	120.50	43.61
		For Work In Restricted Working Space, Add	*26.17*	
40 05 23 43-0445	EA	3" Cap, Stainless Steel Schedule 5 Type 304	137.78	50.44
		For Work In Restricted Working Space, Add	*30.24*	
40 05 23 43-0446	EA	4" Cap, Stainless Steel Schedule 5 Type 304	199.66	67.50
		For Work In Restricted Working Space, Add	*40.49*	
40 05 23 43-0447	EA	6" Cap, Stainless Steel Schedule 5 Type 304	268.91	101.24
		For Work In Restricted Working Space, Add	*60.71*	

40 05 23 43-0448 Reducing Tees *(40 05 23 43-0311)*

40 05 23 43-0449	EA	3/4" Reducing Tees, Stainless Steel Schedule 5 Type 304	141.20	54.98
		For Work In Restricted Working Space, Add	*27.54*	
40 05 23 43-0450	EA	1" Reducing Tees, Stainless Steel Schedule 5 Type 304	161.90	67.50
		For Work In Restricted Working Space, Add	*33.75*	
40 05 23 43-0451	EA	1-1/4" Reducing Tees, Stainless Steel Schedule 5 Type 304	192.54	75.85
		For Work In Restricted Working Space, Add	*37.92*	
40 05 23 43-0452	EA	1-1/2" Reducing Tees, Stainless Steel Schedule 5 Type 304	192.01	86.46
		For Work In Restricted Working Space, Add	*43.23*	
40 05 23 43-0453	EA	2" Reducing Tees, Stainless Steel Schedule 5 Type 304	209.01	92.90
		For Work In Restricted Working Space, Add	*46.46*	
40 05 23 43-0454	EA	2-1/2" Reducing Tees, Stainless Steel Schedule 5 Type 304	304.14	101.24
		For Work In Restricted Working Space, Add	*50.63*	
40 05 23 43-0455	EA	3" Reducing Tees, Stainless Steel Schedule 5 Type 304	295.99	121.34
		For Work In Restricted Working Space, Add	*60.68*	
40 05 23 43-0456	EA	4" Reducing Tees, Stainless Steel Schedule 5 Type 304	388.19	151.68
		For Work In Restricted Working Space, Add	*75.84*	
40 05 23 43-0457	EA	6" Reducing Tees, Stainless Steel Schedule 5 Type 304	695.03	173.30
		For Work In Restricted Working Space, Add	*86.66*	
40 05 23 43-0458	EA	8" Reducing Tee, Stainless Steel Schedule 5 Type 304L	1,279.17	240.14
		For Work In Restricted Working Space, Add	*128.65*	
40 05 23 43-0459	EA	10" Reducing Tee, Stainless Steel Schedule 5 Type 304	2,050.63	320.19
		For Work In Restricted Working Space, Add	*171.53*	
40 05 23 43-0460	EA	12" Reducing Tee, Stainless Steel Schedule 5 Type 304	2,748.93	480.29
		For Work In Restricted Working Space, Add	*257.30*	
40 05 23 43-0461	EA	14" Reducing Tee, Stainless Steel Schedule 5 Type 304	3,498.62	577.14
		For Work In Restricted Working Space, Add	*309.11*	
40 05 23 43-0462	EA	16" Reducing Tee, Stainless Steel Schedule 5 Type 304	3,900.06	704.02
		For Work In Restricted Working Space, Add	*377.06*	
40 05 23 43-0463	EA	18" Reducing Tee, Stainless Steel Schedule 5 Type 304	4,756.56	896.54
		For Work In Restricted Working Space, Add	*480.29*	
40 05 23 43-0464	EA	20" Reducing Tee, Stainless Steel Schedule 5 Type 304	7,282.55	1,179.51
		For Work In Restricted Working Space, Add	*631.96*	
40 05 23 43-0465	EA	24" Reducing Tee, Stainless Steel Schedule 5 Type 304	11,174.52	1,792.28
		For Work In Restricted Working Space, Add	*959.73*	

40 05 23 43-0466 Type 304 Schedule 10 Pipe And Welded Butt Fittings *(40 05 23 43-0231)*

40 05 23 43-0467 Pipe *(40 05 23 43-0466)*

40 05 23 43-0468	LF	1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting	12.93	3.41
		For Work In Restricted Working Space, Add	*2.05*	
40 05 23 43-0469	LF	3/4" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting	15.40	4.18
		For Work In Restricted Working Space, Add	*2.50*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0470	LF	1" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting	20.31	4.93
		For Work In Restricted Working Space, Add	*2.94*	
40 05 23 43-0471	LF	1-1/4" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting	24.81	6.15
		For Work In Restricted Working Space, Add	*3.67*	
40 05 23 43-0472	LF	1-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting	27.62	6.90
		For Work In Restricted Working Space, Add	*4.14*	
40 05 23 43-0473	LF	2" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting	34.16	8.57
		For Work In Restricted Working Space, Add	*5.12*	
40 05 23 43-0474	LF	2-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting	40.77	9.78
		For Work In Restricted Working Space, Add	*5.86*	
40 05 23 43-0475	LF	3" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting	48.02	10.99
		For Work In Restricted Working Space, Add	*6.59*	
40 05 23 43-0476	LF	4" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting	60.18	13.05
		For Work In Restricted Working Space, Add	*7.81*	
40 05 23 43-0477	LF	6" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting	87.49	17.14
		For Work In Restricted Working Space, Add	*10.25*	
40 05 23 43-0478	LF	8" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	147.15	30.58
		For Work In Restricted Working Space, Add	*19.65*	
40 05 23 43-0479	LF	10" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	187.02	33.62
		For Work In Restricted Working Space, Add	*21.61*	
40 05 23 43-0480	LF	12" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	223.34	37.38
		For Work In Restricted Working Space, Add	*24.01*	
40 05 23 43-0481	LF	14" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	274.12	42.03
		For Work In Restricted Working Space, Add	*27.02*	
40 05 23 43-0482	LF	16" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	302.13	48.03
		For Work In Restricted Working Space, Add	*30.88*	
40 05 23 43-0483	LF	18" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	338.89	56.03
		For Work In Restricted Working Space, Add	*36.02*	
40 05 23 43-0484	LF	20" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	468.71	67.24
		For Work In Restricted Working Space, Add	*43.23*	
40 05 23 43-0485	LF	24" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	610.65	84.05
		For Work In Restricted Working Space, Add	*54.03*	

40 05 23 43-0486 90 Degree Elbows *(40 05 23 43-0466)*

40 05 23 43-0487	EA	1/2" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304	97.33	43.23
		For Work In Restricted Working Space, Add	*25.94*	
40 05 23 43-0488	EA	3/4" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304	102.64	45.89
		For Work In Restricted Working Space, Add	*27.53*	
40 05 23 43-0489	EA	1" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304	111.75	50.44
		For Work In Restricted Working Space, Add	*30.26*	
40 05 23 43-0490	EA	1-1/4" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304	125.84	54.98
		For Work In Restricted Working Space, Add	*33.00*	
40 05 23 43-0491	EA	1-1/2" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304	141.49	60.68
		For Work In Restricted Working Space, Add	*36.38*	
40 05 23 43-0492	EA	2" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304	156.32	67.50
		For Work In Restricted Working Space, Add	*40.52*	
40 05 23 43-0493	EA	2-1/2" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304	202.83	86.46
		For Work In Restricted Working Space, Add	*51.82*	
40 05 23 43-0494	EA	3" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304	240.17	101.24
		For Work In Restricted Working Space, Add	*60.67*	
40 05 23 43-0495	EA	4" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304	313.15	121.34
		For Work In Restricted Working Space, Add	*72.69*	
40 05 23 43-0496	EA	6" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304	505.11	151.68
		For Work In Restricted Working Space, Add	*90.82*	
40 05 23 43-0497	EA	8" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304	976.35	240.14
		For Work In Restricted Working Space, Add	*154.38*	
40 05 23 43-0498	EA	10" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304	1,542.76	320.19
		For Work In Restricted Working Space, Add	*205.84*	
40 05 23 43-0499	EA	12" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304	2,373.06	480.29
		For Work In Restricted Working Space, Add	*308.76*	
40 05 23 43-0500	EA	14" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304	3,018.12	560.33
		For Work In Restricted Working Space, Add	*360.22*	
40 05 23 43-0501	EA	16" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304	3,738.98	640.39
		For Work In Restricted Working Space, Add	*410.90*	
40 05 23 43-0502	EA	18" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304	4,758.61	800.49
		For Work In Restricted Working Space, Add	*514.60*	
40 05 23 43-0503	EA	20" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304	7,792.59	1,120.68
		For Work In Restricted Working Space, Add	*720.44*	
40 05 23 43-0504	EA	24" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304	10,812.40	1,600.97
		For Work In Restricted Working Space, Add	*1,029.19*	

40 05 23 43-0505 45 Degree Elbows *(40 05 23 43-0466)*

40 05 23 43-0506	EA	1/2" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304	101.79	43.23
		For Work In Restricted Working Space, Add	*25.94*	
40 05 23 43-0507	EA	3/4" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304	107.10	45.89
		For Work In Restricted Working Space, Add	*27.53*	
40 05 23 43-0508	EA	1" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304	116.21	50.44
		For Work In Restricted Working Space, Add	*30.26*	
40 05 23 43-0509	EA	1-1/4" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304	127.09	54.98
		For Work In Restricted Working Space, Add	*32.98*	
40 05 23 43-0510	EA	1-1/2" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304	138.94	60.68
		For Work In Restricted Working Space, Add	*36.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0511	EA	2" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304	164.25	67.50
		For Work In Restricted Working Space, Add	*40.52*	
40 05 23 43-0512	EA	2-1/2" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304	202.27	86.46
		For Work In Restricted Working Space, Add	*51.86*	
40 05 23 43-0513	EA	3" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304	233.13	101.24
		For Work In Restricted Working Space, Add	*60.74*	
40 05 23 43-0514	EA	4" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304	296.46	121.34
		For Work In Restricted Working Space, Add	*72.76*	
40 05 23 43-0515	EA	6" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304	418.61	151.68
		For Work In Restricted Working Space, Add	*91.01*	
40 05 23 43-0516	EA	8" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304	867.27	240.14
		For Work In Restricted Working Space, Add	*154.38*	
40 05 23 43-0517	EA	10" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304	1,267.11	320.19
		For Work In Restricted Working Space, Add	*205.84*	
40 05 23 43-0518	EA	12" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304	1,955.91	480.29
		For Work In Restricted Working Space, Add	*308.76*	
40 05 23 43-0519	EA	14" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304	2,429.31	560.33
		For Work In Restricted Working Space, Add	*360.22*	
40 05 23 43-0520	EA	16" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304	2,984.36	640.39
		For Work In Restricted Working Space, Add	*410.90*	
40 05 23 43-0521	EA	18" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304	4,071.98	800.49
		For Work In Restricted Working Space, Add	*514.60*	
40 05 23 43-0522	EA	20" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304	6,915.63	1,120.68
		For Work In Restricted Working Space, Add	*720.44*	
40 05 23 43-0523	EA	24" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304	9,368.76	1,600.97
		For Work In Restricted Working Space, Add	*1,029.19*	

40 05 23 43-0524 Tees *(40 05 23 43-0466)*

40 05 23 43-0525	EA	1/2" Tees, Stainless Steel Schedule 10 Type 304	146.37	54.98
		For Work In Restricted Working Space, Add	*32.96*	
40 05 23 43-0526	EA	3/4" Tees, Stainless Steel Schedule 10 Type 304	171.38	67.50
		For Work In Restricted Working Space, Add	*40.47*	
40 05 23 43-0527	EA	1" Tees, Stainless Steel Schedule 10 Type 304	188.05	75.85
		For Work In Restricted Working Space, Add	*45.47*	
40 05 23 43-0528	EA	1-1/4" Tees, Stainless Steel Schedule 10 Type 304	213.06	86.46
		For Work In Restricted Working Space, Add	*51.88*	
40 05 23 43-0529	EA	1-1/2" Tees, Stainless Steel Schedule 10 Type 304	226.94	92.90
		For Work In Restricted Working Space, Add	*55.68*	
40 05 23 43-0530	EA	2" Tees, Stainless Steel Schedule 10 Type 304	266.84	101.24
		For Work In Restricted Working Space, Add	*60.71*	
40 05 23 43-0531	EA	2-1/2" Tees, Stainless Steel Schedule 10 Type 304	321.58	121.34
		For Work In Restricted Working Space, Add	*72.76*	
40 05 23 43-0532	EA	3" Tees, Stainless Steel Schedule 10 Type 304	415.65	151.68
		For Work In Restricted Working Space, Add	*91.13*	
40 05 23 43-0533	EA	4" Tees, Stainless Steel Schedule 10 Type 304	462.58	170.64
		For Work In Restricted Working Space, Add	*102.29*	
40 05 23 43-0534	EA	6" Tees, Stainless Steel Schedule 10 Type 304	793.14	227.53
		For Work In Restricted Working Space, Add	*136.51*	
40 05 23 43-0535	EA	8" Tee, Stainless Steel Schedule 10 Type 304	1,332.75	320.19
		For Work In Restricted Working Space, Add	*205.84*	
40 05 23 43-0536	EA	10" Tee, Stainless Steel Schedule 10 Type 304	1,957.97	480.29
		For Work In Restricted Working Space, Add	*308.76*	
40 05 23 43-0537	EA	12" Tee, Stainless Steel Schedule 10 Type 304	3,298.82	600.37
		For Work In Restricted Working Space, Add	*385.95*	
40 05 23 43-0538	EA	14" Tee, Stainless Steel Schedule 10 Type 304	4,182.66	720.43
		For Work In Restricted Working Space, Add	*463.80*	
40 05 23 43-0539	EA	16" Tee, Stainless Steel Schedule 10 Type 304	4,698.04	880.53
		For Work In Restricted Working Space, Add	*565.79*	
40 05 23 43-0540	EA	18" Tee, Stainless Steel Schedule 10 Type 304	5,755.33	1,120.68
		For Work In Restricted Working Space, Add	*720.44*	
40 05 23 43-0541	EA	20" Tee, Stainless Steel Schedule 10 Type 304	8,669.64	1,480.90
		For Work In Restricted Working Space, Add	*947.94*	
40 05 23 43-0542	EA	24" Tee, Stainless Steel Schedule 10 Type 304	13,287.25	2,241.36
		For Work In Restricted Working Space, Add	*1,440.87*	

40 05 23 43-0543 Reducers *(40 05 23 43-0466)*

40 05 23 43-0544	EA	3/4" Reducer, Stainless Steel Schedule 10 Type 304	111.22	41.71
		For Work In Restricted Working Space, Add	*25.05*	
40 05 23 43-0545	EA	1" Reducer, Stainless Steel Schedule 10 Type 304	123.02	45.51
		For Work In Restricted Working Space, Add	*27.30*	
40 05 23 43-0546	EA	1-1/4" Reducer, Stainless Steel Schedule 10 Type 304	150.85	50.44
		For Work In Restricted Working Space, Add	*30.26*	
40 05 23 43-0547	EA	1-1/2" Reducer, Stainless Steel Schedule 10 Type 304	131.30	54.98
		For Work In Restricted Working Space, Add	*32.97*	
40 05 23 43-0548	EA	2" Reducer, Stainless Steel Schedule 10 Type 304	144.54	60.68
		For Work In Restricted Working Space, Add	*36.41*	
40 05 23 43-0549	EA	2-1/2" Reducer, Stainless Steel Schedule 10 Type 304	186.81	75.85
		For Work In Restricted Working Space, Add	*45.50*	
40 05 23 43-0550	EA	3" Reducer, Stainless Steel Schedule 10 Type 304	207.49	86.46
		For Work In Restricted Working Space, Add	*51.81*	
40 05 23 43-0551	EA	4" Reducer, Stainless Steel Schedule 10 Type 304	241.60	101.24
		For Work In Restricted Working Space, Add	*60.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0552	EA	6" Reducer, Stainless Steel Schedule 10 Type 304	311.16	128.93
		For Work In Restricted Working Space, Add	*77.30*	
40 05 23 43-0553	EA	8" Reducer, Stainless Steel Schedule 10 Type 304	656.98	192.12
		For Work In Restricted Working Space, Add	*123.50*	
40 05 23 43-0554	EA	10" Reducer, Stainless Steel Schedule 10 Type 304	855.75	240.14
		For Work In Restricted Working Space, Add	*154.38*	
40 05 23 43-0555	EA	12" Reducer, Stainless Steel Schedule 10 Type 304	1,137.82	320.19
		For Work In Restricted Working Space, Add	*205.84*	
40 05 23 43-0556	EA	14" Reducer, Stainless Steel Schedule 10 Type 304	1,509.74	420.25
		For Work In Restricted Working Space, Add	*270.16*	
40 05 23 43-0557	EA	16" Reducer, Stainless Steel Schedule 10 Type 304	1,786.47	480.29
		For Work In Restricted Working Space, Add	*308.14*	
40 05 23 43-0558	EA	18" Reducer, Stainless Steel Schedule 10 Type 304	2,221.83	600.37
		For Work In Restricted Working Space, Add	*385.95*	
40 05 23 43-0559	EA	20" Reducer, Stainless Steel Schedule 10 Type 304	3,334.76	800.49
		For Work In Restricted Working Space, Add	*514.60*	
40 05 23 43-0560	EA	24" Reducer, Stainless Steel Schedule 10 Type 304	5,212.44	1,200.72
		For Work In Restricted Working Space, Add	*771.89*	

40 05 23 43-0561 Flanges *(40 05 23 43-0466)*

40 05 23 43-0562	EA	1/2" Flanges, Stainless Steel Schedule 10 Type 304	63.11	17.45
		For Work In Restricted Working Space, Add	*10.47*	
40 05 23 43-0563	EA	3/4" Flanges, Stainless Steel Schedule 10 Type 304	66.15	18.96
		For Work In Restricted Working Space, Add	*11.38*	
40 05 23 43-0564	EA	1" Flanges, Stainless Steel Schedule 10 Type 304	79.05	25.41
		For Work In Restricted Working Space, Add	*15.25*	
40 05 23 43-0565	EA	1-1/4" Flanges, Stainless Steel Schedule 10 Type 304	87.89	26.54
		For Work In Restricted Working Space, Add	*15.92*	
40 05 23 43-0566	EA	1-1/2" Flanges, Stainless Steel Schedule 10 Type 304	102.07	30.34
		For Work In Restricted Working Space, Add	*18.20*	
40 05 23 43-0567	EA	2" Flanges, Stainless Steel Schedule 10 Type 304	121.83	34.13
		For Work In Restricted Working Space, Add	*20.46*	
40 05 23 43-0568	EA	2-1/2" Flanges, Stainless Steel Schedule 10 Type 304	165.28	43.61
		For Work In Restricted Working Space, Add	*26.17*	
40 05 23 43-0569	EA	3" Flanges, Stainless Steel Schedule 10 Type 304	182.64	50.44
		For Work In Restricted Working Space, Add	*30.24*	
40 05 23 43-0570	EA	4" Flanges, Stainless Steel Schedule 10 Type 304	250.34	68.26
		For Work In Restricted Working Space, Add	*40.96*	
40 05 23 43-0571	EA	6" Flanges, Stainless Steel Schedule 10 Type 304	379.14	101.24
		For Work In Restricted Working Space, Add	*60.69*	
40 05 23 43-0572	EA	8" Flange, Stainless Steel Schedule 10 Type 304	700.67	120.08
		For Work In Restricted Working Space, Add	*77.19*	
40 05 23 43-0573	EA	10" Flange, Stainless Steel Schedule 10 Type 304	1,068.06	140.08
		For Work In Restricted Working Space, Add	*90.05*	
40 05 23 43-0574	EA	12" Flange, Stainless Steel Schedule 10 Type 304	1,476.94	160.10
		For Work In Restricted Working Space, Add	*102.92*	
40 05 23 43-0575	EA	14" Flange, Stainless Steel Schedule 10 Type 304	1,957.76	200.12
		For Work In Restricted Working Space, Add	*128.65*	
40 05 23 43-0576	EA	16" Flange, Stainless Steel Schedule 10 Type 304	2,616.87	240.14
		For Work In Restricted Working Space, Add	*154.38*	
40 05 23 43-0577	EA	18" Flange, Stainless Steel Schedule 10 Type 304	2,721.04	280.17
		For Work In Restricted Working Space, Add	*180.11*	
40 05 23 43-0578	EA	20" Flange, Stainless Steel Schedule 10 Type 304	3,747.71	340.21
		For Work In Restricted Working Space, Add	*218.76*	
40 05 23 43-0579	EA	24" Flange, Stainless Steel Schedule 10 Type 304	8,381.11	440.27
		For Work In Restricted Working Space, Add	*282.89*	

40 05 23 43-0580 Slip-On Flanges *(40 05 23 43-0466)*

40 05 23 43-0581	EA	1/2" Flange, Stainless Steel Schedule 10 Type 304	105.23	37.92
		For Work In Restricted Working Space, Add	*22.76*	
40 05 23 43-0582	EA	3/4" Flange, Stainless Steel Schedule 10 Type 304	109.19	37.92
		For Work In Restricted Working Space, Add	*22.76*	
40 05 23 43-0583	EA	1" Flange, Stainless Steel Schedule 10 Type 304	129.05	46.64
		For Work In Restricted Working Space, Add	*27.99*	
40 05 23 43-0584	EA	1-1/4" Flange, Stainless Steel Schedule 10 Type 304	142.24	50.44
		For Work In Restricted Working Space, Add	*30.26*	
40 05 23 43-0585	EA	1-1/2" Flange, Stainless Steel Schedule 10 Type 304	158.72	55.37
		For Work In Restricted Working Space, Add	*33.22*	
40 05 23 43-0586	EA	2" Flange, Stainless Steel Schedule 10 Type 304	185.23	60.68
		For Work In Restricted Working Space, Add	*36.38*	
40 05 23 43-0587	EA	2-1/2" Flange, Stainless Steel Schedule 10 Type 304	228.70	68.26
		For Work In Restricted Working Space, Add	*40.96*	
40 05 23 43-0588	EA	3" Flange, Stainless Steel Schedule 10 Type 304	250.34	75.85
		For Work In Restricted Working Space, Add	*45.47*	
40 05 23 43-0589	EA	4" Flange, Stainless Steel Schedule 10 Type 304	341.53	101.63
		For Work In Restricted Working Space, Add	*60.98*	
40 05 23 43-0590	EA	6" Flange, Stainless Steel Schedule 10 Type 304	517.53	151.68
		For Work In Restricted Working Space, Add	*90.92*	
40 05 23 43-0591	EA	8" Flange, Stainless Steel Schedule 10 Type 304	1,514.38	240.14
		For Work In Restricted Working Space, Add	*154.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0592		**Caps** *(40 05 23 43-0466)*		
40 05 23 43-0593	EA	1/2" Cap, Stainless Steel Schedule 10 Type 304	53.64	17.45
		For Work In Restricted Working Space, Add	*10.47*	
40 05 23 43-0594	EA	3/4" Cap, Stainless Steel Schedule 10 Type 304	59.28	18.96
		For Work In Restricted Working Space, Add	*11.38*	
40 05 23 43-0595	EA	1" Cap, Stainless Steel Schedule 10 Type 304	74.39	25.03
		For Work In Restricted Working Space, Add	*15.02*	
40 05 23 43-0596	EA	1-1/4" Cap, Stainless Steel Schedule 10 Type 304	80.32	26.54
		For Work In Restricted Working Space, Add	*15.92*	
40 05 23 43-0597	EA	1-1/2" Cap, Stainless Steel Schedule 10 Type 304	89.87	30.34
		For Work In Restricted Working Space, Add	*18.20*	
40 05 23 43-0598	EA	2" Cap, Stainless Steel Schedule 10 Type 304	98.37	34.13
		For Work In Restricted Working Space, Add	*20.46*	
40 05 23 43-0599	EA	2-1/2" Cap, Stainless Steel Schedule 10 Type 304	122.25	43.61
		For Work In Restricted Working Space, Add	*26.17*	
40 05 23 43-0600	EA	3" Cap, Stainless Steel Schedule 10 Type 304	139.72	50.44
		For Work In Restricted Working Space, Add	*30.24*	
40 05 23 43-0601	EA	4" Cap, Stainless Steel Schedule 10 Type 304	203.11	67.50
		For Work In Restricted Working Space, Add	*40.50*	
40 05 23 43-0602	EA	6" Cap, Stainless Steel Schedule 10 Type 304	272.37	101.24
		For Work In Restricted Working Space, Add	*60.69*	
40 05 23 43-0603		**Reducing Tees** *(40 05 23 43-0466)*		
40 05 23 43-0604	EA	3/4" Reducing Tees, Stainless Steel Schedule 10 Type 304	145.11	54.98
		For Work In Restricted Working Space, Add	*27.54*	
40 05 23 43-0605	EA	1" Reducing Tees, Stainless Steel Schedule 10 Type 304	179.23	67.50
		For Work In Restricted Working Space, Add	*33.75*	
40 05 23 43-0606	EA	1-1/4" Reducing Tees, Stainless Steel Schedule 10 Type 304	199.89	75.85
		For Work In Restricted Working Space, Add	*37.92*	
40 05 23 43-0607	EA	1-1/2" Reducing Tees, Stainless Steel Schedule 10 Type 304	224.33	86.46
		For Work In Restricted Working Space, Add	*43.23*	
40 05 23 43-0608	EA	2" Reducing Tees, Stainless Steel Schedule 10 Type 304	249.03	92.90
		For Work In Restricted Working Space, Add	*46.46*	
40 05 23 43-0609	EA	2-1/2" Reducing Tees, Stainless Steel Schedule 10 Type 304	357.71	101.24
		For Work In Restricted Working Space, Add	*50.63*	
40 05 23 43-0610	EA	3" Reducing Tees, Stainless Steel Schedule 10 Type 304	365.76	121.34
		For Work In Restricted Working Space, Add	*60.68*	
40 05 23 43-0611	EA	4" Reducing Tees, Stainless Steel Schedule 10 Type 304	453.01	151.68
		For Work In Restricted Working Space, Add	*75.84*	
40 05 23 43-0612	EA	6" Reducing Tees, Stainless Steel Schedule 10 Type 304	782.91	173.30
		For Work In Restricted Working Space, Add	*86.66*	
40 05 23 43-0613	EA	8" Reducing Tee, Stainless Steel Schedule 10 Type 304	1,373.65	240.14
		For Work In Restricted Working Space, Add	*128.65*	
40 05 23 43-0614	EA	10" Reducing Tee, Stainless Steel Schedule 10 Type 304	2,896.29	320.19
		For Work In Restricted Working Space, Add	*171.53*	
40 05 23 43-0615	EA	12" Reducing Tee, Stainless Steel Schedule 10 Type 304	3,798.00	480.29
		For Work In Restricted Working Space, Add	*257.30*	
40 05 23 43-0616	EA	14" Reducing Tee, Stainless Steel Schedule 10 Type 304	4,882.98	577.14
		For Work In Restricted Working Space, Add	*309.11*	
40 05 23 43-0617	EA	16" Reducing Tee, Stainless Steel Schedule 10 Type 304	5,365.80	704.02
		For Work In Restricted Working Space, Add	*377.06*	
40 05 23 43-0618	EA	18" Reducing Tee, Stainless Steel Schedule 10 Type 304	6,501.54	896.54
		For Work In Restricted Working Space, Add	*480.29*	
40 05 23 43-0619	EA	20" Reducing Tee, Stainless Steel Schedule 10 Type 304	8,635.60	1,179.68
		For Work In Restricted Working Space, Add	*631.96*	
40 05 23 43-0620	EA	24" Reducing Tee, Stainless Steel Schedule 10 Type 304	12,933.14	1,792.12
		For Work In Restricted Working Space, Add	*959.73*	
40 05 23 43-0621		**Type 304 Schedule 40 Pipe And Welded Butt Fittings** *(40 05 23 43-0231)*		
40 05 23 43-0622		**Pipe** *(40 05 23 43-0621)*		
40 05 23 43-0623	LF	1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting	14.43	3.41
		For Work In Restricted Working Space, Add	*2.05*	
40 05 23 43-0624	LF	3/4" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting	17.53	4.18
		For Work In Restricted Working Space, Add	*2.50*	
40 05 23 43-0625	LF	1" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting	21.45	4.93
		For Work In Restricted Working Space, Add	*2.94*	
40 05 23 43-0626	LF	1-1/4" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting	26.81	6.06
		For Work In Restricted Working Space, Add	*3.67*	
40 05 23 43-0627	LF	1-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting	30.87	6.83
		For Work In Restricted Working Space, Add	*4.14*	
40 05 23 43-0628	LF	2" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting	39.51	8.72
		For Work In Restricted Working Space, Add	*5.12*	
40 05 23 43-0629	LF	2-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting	48.93	9.86
		For Work In Restricted Working Space, Add	*5.86*	
40 05 23 43-0630	LF	3" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting	47.87	10.99
		For Work In Restricted Working Space, Add	*6.59*	
40 05 23 43-0631	LF	4" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting	78.38	12.89
		For Work In Restricted Working Space, Add	*7.81*	
40 05 23 43-0632	LF	6" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting	121.65	17.07
		For Work In Restricted Working Space, Add	*10.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0633	LF	8" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	215.47	30.42
		For Work In Restricted Working Space, Add	*19.65*	
40 05 23 43-0634	LF	10" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	272.00	33.62
		For Work In Restricted Working Space, Add	*21.61*	
40 05 23 43-0635	LF	12" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	338.32	37.23
		For Work In Restricted Working Space, Add	*24.01*	
40 05 23 43-0636		**90 Degree Elbows** *(40 05 23 43-0621)*		
40 05 23 43-0637	EA	1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304	102.21	43.23
		For Work In Restricted Working Space, Add	*25.94*	
40 05 23 43-0638	EA	3/4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304	107.52	45.89
		For Work In Restricted Working Space, Add	*27.53*	
40 05 23 43-0639	EA	1" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304	118.75	50.44
		For Work In Restricted Working Space, Add	*30.26*	
40 05 23 43-0640	EA	1-1/4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304	136.74	54.98
		For Work In Restricted Working Space, Add	*33.00*	
40 05 23 43-0641	EA	1-1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304	143.56	60.68
		For Work In Restricted Working Space, Add	*36.38*	
40 05 23 43-0642	EA	2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304	164.81	67.50
		For Work In Restricted Working Space, Add	*40.52*	
40 05 23 43-0643	EA	2-1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304	234.70	86.46
		For Work In Restricted Working Space, Add	*51.82*	
40 05 23 43-0644	EA	3" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304	286.32	101.24
		For Work In Restricted Working Space, Add	*60.67*	
40 05 23 43-0645	EA	4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304	391.03	121.34
		For Work In Restricted Working Space, Add	*72.69*	
40 05 23 43-0646	EA	6" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304	798.46	151.68
		For Work In Restricted Working Space, Add	*90.82*	
40 05 23 43-0647	EA	8" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304	1,346.71	240.14
		For Work In Restricted Working Space, Add	*154.38*	
40 05 23 43-0648	EA	10" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304	2,447.74	320.19
		For Work In Restricted Working Space, Add	*205.84*	
40 05 23 43-0649	EA	12" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304	3,463.59	480.29
		For Work In Restricted Working Space, Add	*308.76*	
40 05 23 43-0650		**45 Degree** *(40 05 23 43-0621)*		
40 05 23 43-0651	EA	1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304	108.76	43.23
		For Work In Restricted Working Space, Add	*25.94*	
40 05 23 43-0652	EA	3/4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304	114.07	45.89
		For Work In Restricted Working Space, Add	*27.53*	
40 05 23 43-0653	EA	1" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304	123.18	50.44
		For Work In Restricted Working Space, Add	*30.26*	
40 05 23 43-0654	EA	1-1/4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304	132.24	54.98
		For Work In Restricted Working Space, Add	*32.98*	
40 05 23 43-0655	EA	1-1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304	151.14	60.68
		For Work In Restricted Working Space, Add	*36.42*	
40 05 23 43-0656	EA	2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304	166.32	67.50
		For Work In Restricted Working Space, Add	*40.52*	
40 05 23 43-0657	EA	2-1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304	232.16	86.46
		For Work In Restricted Working Space, Add	*51.86*	
40 05 23 43-0658	EA	3" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304	261.79	101.24
		For Work In Restricted Working Space, Add	*60.74*	
40 05 23 43-0659	EA	4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304	346.98	121.34
		For Work In Restricted Working Space, Add	*72.76*	
40 05 23 43-0660	EA	6" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304	600.81	151.68
		For Work In Restricted Working Space, Add	*91.01*	
40 05 23 43-0661	EA	8" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304	1,063.43	240.14
		For Work In Restricted Working Space, Add	*154.38*	
40 05 23 43-0662	EA	10" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304	1,739.56	320.19
		For Work In Restricted Working Space, Add	*205.84*	
40 05 23 43-0663	EA	12" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304	2,392.46	480.29
		For Work In Restricted Working Space, Add	*308.76*	
40 05 23 43-0664		**Tees** *(40 05 23 43-0621)*		
40 05 23 43-0665	EA	1/2" Tees, Stainless Steel Schedule 40 Type 304	162.11	54.98
		For Work In Restricted Working Space, Add	*32.96*	
40 05 23 43-0666	EA	3/4" Tees, Stainless Steel Schedule 40 Type 304	187.12	67.50
		For Work In Restricted Working Space, Add	*40.47*	
40 05 23 43-0667	EA	1" Tees, Stainless Steel Schedule 40 Type 304	203.79	75.85
		For Work In Restricted Working Space, Add	*45.47*	
40 05 23 43-0668	EA	1-1/4" Tees, Stainless Steel Schedule 40 Type 304	257.02	86.46
		For Work In Restricted Working Space, Add	*51.88*	
40 05 23 43-0669	EA	1-1/2" Tees, Stainless Steel Schedule 40 Type 304	237.82	92.90
		For Work In Restricted Working Space, Add	*55.68*	
40 05 23 43-0670	EA	2" Tees, Stainless Steel Schedule 40 Type 304	257.26	101.24
		For Work In Restricted Working Space, Add	*60.71*	
40 05 23 43-0671	EA	2-1/2" Tees, Stainless Steel Schedule 40 Type 304	391.24	121.34
		For Work In Restricted Working Space, Add	*72.76*	
40 05 23 43-0672	EA	3" Tees, Stainless Steel Schedule 40 Type 304	422.37	151.68
		For Work In Restricted Working Space, Add	*91.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0673	EA	4" Tees, Stainless Steel Schedule 40 Type 304	502.06	170.64
		For Work In Restricted Working Space, Add	*102.29*	
40 05 23 43-0674	EA	6" Tees, Stainless Steel Schedule 40 Type 304	938.36	227.53
		For Work In Restricted Working Space, Add	*136.51*	
40 05 23 43-0675	EA	8" Tee, Stainless Steel Schedule 40 Type 304	1,987.42	320.19
		For Work In Restricted Working Space, Add	*205.84*	
40 05 23 43-0676	EA	10" Tee, Stainless Steel Schedule 40 Type 304	3,507.85	480.29
		For Work In Restricted Working Space, Add	*308.76*	
40 05 23 43-0677	EA	12" Tee, Stainless Steel Schedule 40 Type 304	4,384.81	600.37
		For Work In Restricted Working Space, Add	*385.95*	

40 05 23 43-0678 Reducers *(40 05 23 43-0621)*

40 05 23 43-0679	EA	3/4" Reducer, Stainless Steel Schedule 40 Type 304	114.55	41.71
		For Work In Restricted Working Space, Add	*25.05*	
40 05 23 43-0680	EA	1" Reducer, Stainless Steel Schedule 40 Type 304	126.86	45.51
		For Work In Restricted Working Space, Add	*27.30*	
40 05 23 43-0681	EA	1-1/4" Reducer, Stainless Steel Schedule 40 Type 304	156.85	50.44
		For Work In Restricted Working Space, Add	*30.26*	
40 05 23 43-0682	EA	1-1/2" Reducer, Stainless Steel Schedule 40 Type 304	133.89	54.98
		For Work In Restricted Working Space, Add	*32.97*	
40 05 23 43-0683	EA	2" Reducer, Stainless Steel Schedule 40 Type 304	147.36	60.68
		For Work In Restricted Working Space, Add	*36.42*	
40 05 23 43-0684	EA	2-1/2" Reducer, Stainless Steel Schedule 40 Type 304	191.05	75.85
		For Work In Restricted Working Space, Add	*45.50*	
40 05 23 43-0685	EA	3" Reducer, Stainless Steel Schedule 40 Type 304	211.64	86.46
		For Work In Restricted Working Space, Add	*51.80*	
40 05 23 43-0686	EA	4" Reducer, Stainless Steel Schedule 40 Type 304	246.31	101.24
		For Work In Restricted Working Space, Add	*60.71*	
40 05 23 43-0687	EA	6" Reducer, Stainless Steel Schedule 40 Type 304	317.55	128.93
		For Work In Restricted Working Space, Add	*77.28*	
40 05 23 43-0688	EA	8" Reducer, Stainless Steel Schedule 40 Type 304	686.41	192.12
		For Work In Restricted Working Space, Add	*123.50*	
40 05 23 43-0689	EA	10" Reducer, Stainless Steel Schedule 40 Type 304	896.69	240.14
		For Work In Restricted Working Space, Add	*154.38*	
40 05 23 43-0690	EA	12" Reducer, Stainless Steel Schedule 40 Type 304	1,192.03	320.19
		For Work In Restricted Working Space, Add	*205.84*	

40 05 23 43-0691 Flanges *(40 05 23 43-0621)*

40 05 23 43-0692	EA	1/2" Flanges, Stainless Steel Schedule 40 Type 304	66.49	17.45
		For Work In Restricted Working Space, Add	*10.47*	
40 05 23 43-0693	EA	3/4" Flanges, Stainless Steel Schedule 40 Type 304	69.53	18.96
		For Work In Restricted Working Space, Add	*11.38*	
40 05 23 43-0694	EA	1" Flanges, Stainless Steel Schedule 40 Type 304	82.43	25.41
		For Work In Restricted Working Space, Add	*15.25*	
40 05 23 43-0695	EA	1-1/4" Flanges, Stainless Steel Schedule 40 Type 304	92.07	26.54
		For Work In Restricted Working Space, Add	*15.92*	
40 05 23 43-0696	EA	1-1/2" Flanges, Stainless Steel Schedule 40 Type 304	107.03	30.34
		For Work In Restricted Working Space, Add	*18.20*	
40 05 23 43-0697	EA	2" Flanges, Stainless Steel Schedule 40 Type 304	128.27	34.13
		For Work In Restricted Working Space, Add	*20.46*	
40 05 23 43-0698	EA	2-1/2" Flanges, Stainless Steel Schedule 40 Type 304	174.64	43.61
		For Work In Restricted Working Space, Add	*26.17*	
40 05 23 43-0699	EA	3" Flanges, Stainless Steel Schedule 40 Type 304	192.46	50.44
		For Work In Restricted Working Space, Add	*30.24*	
40 05 23 43-0700	EA	4" Flanges, Stainless Steel Schedule 40 Type 304	264.00	68.26
		For Work In Restricted Working Space, Add	*40.96*	
40 05 23 43-0701	EA	6" Flanges, Stainless Steel Schedule 40 Type 304	400.35	101.24
		For Work In Restricted Working Space, Add	*60.69*	
40 05 23 43-0702	EA	8" Flange, Stainless Steel Schedule 40 Type 304	753.88	120.08
		For Work In Restricted Working Space, Add	*77.19*	
40 05 23 43-0703	EA	10" Flange, Stainless Steel Schedule 40 Type 304	1,160.21	140.08
		For Work In Restricted Working Space, Add	*90.05*	
40 05 23 43-0704	EA	12" Flange, Stainless Steel Schedule 40 Type 304	1,613.00	160.10
		For Work In Restricted Working Space, Add	*102.92*	

40 05 23 43-0705 Slip-On Flanges *(40 05 23 43-0621)*

40 05 23 43-0706	EA	1/2" Flange, Stainless Steel Schedule 40 Type 304	108.75	37.92
		For Work In Restricted Working Space, Add	*22.76*	
40 05 23 43-0707	EA	3/4" Flange, Stainless Steel Schedule 40 Type 304	113.19	37.92
		For Work In Restricted Working Space, Add	*22.76*	
40 05 23 43-0708	EA	1" Flange, Stainless Steel Schedule 40 Type 304	133.34	46.64
		For Work In Restricted Working Space, Add	*27.99*	
40 05 23 43-0709	EA	1-1/4" Flange, Stainless Steel Schedule 40 Type 304	147.20	50.44
		For Work In Restricted Working Space, Add	*30.26*	
40 05 23 43-0710	EA	1-1/2" Flange, Stainless Steel Schedule 40 Type 304	164.48	55.37
		For Work In Restricted Working Space, Add	*33.22*	
40 05 23 43-0711	EA	2" Flange, Stainless Steel Schedule 40 Type 304	192.90	60.68
		For Work In Restricted Working Space, Add	*36.38*	
40 05 23 43-0712	EA	2-1/2" Flange, Stainless Steel Schedule 40 Type 304	239.76	68.26
		For Work In Restricted Working Space, Add	*40.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0713	EA	3" Flange, Stainless Steel Schedule 40 Type 304	262.19	75.85
		For Work In Restricted Working Space, Add	*45.47*	
40 05 23 43-0714	EA	4" Flange, Stainless Steel Schedule 40 Type 304	358.13	101.63
		For Work In Restricted Working Space, Add	*60.98*	
40 05 23 43-0715	EA	6" Flange, Stainless Steel Schedule 40 Type 304	543.26	151.68
		For Work In Restricted Working Space, Add	*90.92*	
40 05 23 43-0716	EA	8" Flange, Stainless Steel Schedule 40 Type 304	1,634.36	240.14
		For Work In Restricted Working Space, Add	*154.38*	

40 05 23 43-0717 Caps *(40 05 23 43-0621)*

40 05 23 43-0718	EA	1/2" Cap, Stainless Steel Schedule 40 Type 304	55.89	17.45
		For Work In Restricted Working Space, Add	*10.47*	
40 05 23 43-0719	EA	3/4" Cap, Stainless Steel Schedule 40 Type 304	61.84	18.96
		For Work In Restricted Working Space, Add	*11.38*	
40 05 23 43-0720	EA	1" Cap, Stainless Steel Schedule 40 Type 304	77.31	25.03
		For Work In Restricted Working Space, Add	*15.02*	
40 05 23 43-0721	EA	1-1/4" Cap, Stainless Steel Schedule 40 Type 304	83.59	26.54
		For Work In Restricted Working Space, Add	*15.92*	
40 05 23 43-0722	EA	1-1/2" Cap, Stainless Steel Schedule 40 Type 304	93.37	30.34
		For Work In Restricted Working Space, Add	*18.20*	
40 05 23 43-0723	EA	2" Cap, Stainless Steel Schedule 40 Type 304	101.99	34.13
		For Work In Restricted Working Space, Add	*20.46*	
40 05 23 43-0724	EA	2-1/2" Cap, Stainless Steel Schedule 40 Type 304	126.45	43.61
		For Work In Restricted Working Space, Add	*26.17*	
40 05 23 43-0725	EA	3" Cap, Stainless Steel Schedule 40 Type 304	144.39	50.44
		For Work In Restricted Working Space, Add	*30.24*	
40 05 23 43-0726	EA	4" Cap, Stainless Steel Schedule 40 Type 304	211.28	67.50
		For Work In Restricted Working Space, Add	*40.50*	
40 05 23 43-0727	EA	6" Cap, Stainless Steel Schedule 40 Type 304	280.77	101.24
		For Work In Restricted Working Space, Add	*60.69*	

40 05 23 43-0728 Reducing Tees *(40 05 23 43-0621)*

40 05 23 43-0729	EA	1/2" Reducing Tees, Stainless Steel Schedule 40 Type 304	149.00	54.98
		For Work In Restricted Working Space, Add	*27.47*	
40 05 23 43-0730	EA	3/4" Reducing Tees, Stainless Steel Schedule 40 Type 304	169.83	67.50
		For Work In Restricted Working Space, Add	*33.71*	
40 05 23 43-0731	EA	1" Reducing Tees, Stainless Steel Schedule 40 Type 304	183.76	75.85
		For Work In Restricted Working Space, Add	*37.89*	
40 05 23 43-0732	EA	1-1/4" Reducing Tees, Stainless Steel Schedule 40 Type 304	236.55	86.46
		For Work In Restricted Working Space, Add	*43.21*	
40 05 23 43-0733	EA	1-1/2" Reducing Tees, Stainless Steel Schedule 40 Type 304	212.05	92.90
		For Work In Restricted Working Space, Add	*46.38*	
40 05 23 43-0734	EA	2" Reducing Tees, Stainless Steel Schedule 40 Type 304	229.00	101.24
		For Work In Restricted Working Space, Add	*50.59*	
40 05 23 43-0735	EA	2-1/2" Reducing Tees, Stainless Steel Schedule 40 Type 304	365.64	121.34
		For Work In Restricted Working Space, Add	*60.62*	
40 05 23 43-0736	EA	3" Reducing Tees, Stainless Steel Schedule 40 Type 304	383.69	151.68
		For Work In Restricted Working Space, Add	*75.96*	
40 05 23 43-0737	EA	4" Reducing Tees, Stainless Steel Schedule 40 Type 304	461.40	170.64
		For Work In Restricted Working Space, Add	*85.25*	
40 05 23 43-0738	EA	6" Reducing Tees, Stainless Steel Schedule 40 Type 304	910.58	227.53
		For Work In Restricted Working Space, Add	*113.67*	
40 05 23 43-0739	EA	8" Reducing Tee, Stainless Steel Schedule 40 Type 304	2,003.19	320.19
		For Work In Restricted Working Space, Add	*171.53*	
40 05 23 43-0740	EA	10" Reducing Tee, Stainless Steel Schedule 40 Type 304	3,584.18	480.29
		For Work In Restricted Working Space, Add	*257.30*	
40 05 23 43-0741	EA	12" Reducing Tee, Stainless Steel Schedule 40 Type 304	4,480.23	600.37
		For Work In Restricted Working Space, Add	*321.62*	

40 05 23 43-0742 Type 316, Schedule 40 Pipe And 150 LB Threaded Fittings *(40 05 23 43-0231)*

40 05 23 43-0743 Pipe *(40 05 23 43-0742)*

40 05 23 43-0744	LF	1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	14.19	3.49
		For Work In Restricted Working Space, Add	*2.09*	
40 05 23 43-0745	LF	3/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	16.86	4.39
		For Work In Restricted Working Space, Add	*2.62*	
40 05 23 43-0746	LF	1" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	21.22	5.29
		For Work In Restricted Working Space, Add	*3.15*	
40 05 23 43-0747	LF	1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	25.84	6.10
		For Work In Restricted Working Space, Add	*3.67*	
40 05 23 43-0748	LF	1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	30.01	6.91
		For Work In Restricted Working Space, Add	*4.17*	
40 05 23 43-0749	LF	2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	38.64	8.78
		For Work In Restricted Working Space, Add	*5.24*	
40 05 23 43-0750	LF	2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	52.45	10.41
		For Work In Restricted Working Space, Add	*6.26*	
40 05 23 43-0751	LF	3" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	68.34	13.09
		For Work In Restricted Working Space, Add	*7.87*	
40 05 23 43-0752	LF	4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	91.63	17.32
		For Work In Restricted Working Space, Add	*10.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0753		**90 Degree Elbows** *(40 05 23 43-0742)*		
40 05 23 43-0754	EA	1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316	37.13	13.09
		For Work In Restricted Working Space, Add	*7.87*	
40 05 23 43-0755	EA	3/4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316	48.32	17.32
		For Work In Restricted Working Space, Add	*10.38*	
40 05 23 43-0756	EA	1" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316	60.07	21.96
		For Work In Restricted Working Space, Add	*13.19*	
40 05 23 43-0757	EA	1-1/4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316	86.80	30.09
		For Work In Restricted Working Space, Add	*18.07*	
40 05 23 43-0758	EA	1-1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316	98.77	35.37
		For Work In Restricted Working Space, Add	*21.22*	
40 05 23 43-0759	EA	2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316	129.15	42.78
		For Work In Restricted Working Space, Add	*25.68*	
40 05 23 43-0760	EA	2-1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316	241.26	67.74
		For Work In Restricted Working Space, Add	*40.67*	
40 05 23 43-0761	EA	3" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316	315.41	87.42
		For Work In Restricted Working Space, Add	*52.45*	
40 05 23 43-0762	EA	4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316	484.12	108.41
		For Work In Restricted Working Space, Add	*65.03*	
40 05 23 43-0763		**45 Degree Elbows** *(40 05 23 43-0742)*		
40 05 23 43-0764	EA	1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316	40.97	13.09
		For Work In Restricted Working Space, Add	*7.87*	
40 05 23 43-0765	EA	3/4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316	52.78	17.32
		For Work In Restricted Working Space, Add	*10.38*	
40 05 23 43-0766	EA	1" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316	62.31	21.96
		For Work In Restricted Working Space, Add	*13.19*	
40 05 23 43-0767	EA	1-1/4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316	84.54	30.09
		For Work In Restricted Working Space, Add	*18.07*	
40 05 23 43-0768	EA	1-1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316	99.92	35.37
		For Work In Restricted Working Space, Add	*21.22*	
40 05 23 43-0769	EA	2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316	128.19	42.78
		For Work In Restricted Working Space, Add	*25.68*	
40 05 23 43-0770	EA	2-1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316	274.48	67.74
		For Work In Restricted Working Space, Add	*40.67*	
40 05 23 43-0771	EA	3" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316	379.06	87.42
		For Work In Restricted Working Space, Add	*52.47*	
40 05 23 43-0772	EA	4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316	585.71	108.41
		For Work In Restricted Working Space, Add	*65.06*	
40 05 23 43-0773		**Tees** *(40 05 23 43-0742)*		
40 05 23 43-0774	EA	1/2" Tee, Stainless Steel Schedule 40 Type 316	55.09	19.84
		For Work In Restricted Working Space, Add	*11.90*	
40 05 23 43-0775	EA	3/4" Tee, Stainless Steel Schedule 40 Type 316	71.51	26.27
		For Work In Restricted Working Space, Add	*15.74*	
40 05 23 43-0776	EA	1" Tee, Stainless Steel Schedule 40 Type 316	85.13	32.53
		For Work In Restricted Working Space, Add	*19.52*	
40 05 23 43-0777	EA	1-1/4" Tee, Stainless Steel Schedule 40 Type 316	126.04	45.22
		For Work In Restricted Working Space, Add	*27.11*	
40 05 23 43-0778	EA	1-1/2" Tee, Stainless Steel Schedule 40 Type 316	143.37	50.83
		For Work In Restricted Working Space, Add	*30.50*	
40 05 23 43-0779	EA	2" Tee, Stainless Steel Schedule 40 Type 316	192.18	67.74
		For Work In Restricted Working Space, Add	*40.67*	
40 05 23 43-0780	EA	2-1/2" Tee, Stainless Steel Schedule 40 Type 316	361.88	98.00
		For Work In Restricted Working Space, Add	*58.79*	
40 05 23 43-0781	EA	3" Tee, Stainless Steel Schedule 40 Type 316	517.80	131.19
		For Work In Restricted Working Space, Add	*78.70*	
40 05 23 43-0782	EA	4" Tee, Stainless Steel Schedule 40 Type 316	738.78	162.65
		For Work In Restricted Working Space, Add	*97.59*	
40 05 23 43-0783		**Reducers** *(40 05 23 43-0742)*		
40 05 23 43-0784	EA	3/4" x 1/2" Reducer, Stainless Steel Schedule 40 Type 316	44.75	17.32
		For Work In Restricted Working Space, Add	*10.38*	
40 05 23 43-0785	EA	1" x 3/4" Reducer, Stainless Steel Schedule 40 Type 316	60.41	21.96
		For Work In Restricted Working Space, Add	*13.19*	
40 05 23 43-0786	EA	1-1/4" x 1" Reducer, Stainless Steel Schedule 40 Type 316	85.23	30.09
		For Work In Restricted Working Space, Add	*18.07*	
40 05 23 43-0787	EA	1-1/2" x 1-1/4" Reducer, Stainless Steel Schedule 40 Type 316	102.62	35.37
		For Work In Restricted Working Space, Add	*21.22*	
40 05 23 43-0788	EA	2" x 1-1/2" Reducer, Stainless Steel Schedule 40 Type 316	131.23	42.78
		For Work In Restricted Working Space, Add	*25.68*	
40 05 23 43-0789	EA	2-1/2" x 2" Reducer, Stainless Steel Schedule 40 Type 316	243.16	67.74
		For Work In Restricted Working Space, Add	*40.67*	
40 05 23 43-0790	EA	3" x 2-1/2" Reducer, Stainless Steel Schedule 40 Type 316	321.61	87.42
		For Work In Restricted Working Space, Add	*52.47*	
40 05 23 43-0791	EA	4" x 3" Reducer, Stainless Steel Schedule 40 Type 316	445.52	108.41
		For Work In Restricted Working Space, Add	*65.06*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0792		**Unions** *(40 05 23 43-0742)*		
40 05 23 43-0793	EA	1/2" Union, Stainless Steel Schedule 40 Type 316	61.41	19.84
		For Work In Restricted Working Space, Add	*11.90*	
40 05 23 43-0794	EA	3/4" Union, Stainless Steel Schedule 40 Type 316	80.18	26.27
		For Work In Restricted Working Space, Add	*15.74*	
40 05 23 43-0795	EA	1" Union, Stainless Steel Schedule 40 Type 316	109.31	32.53
		For Work In Restricted Working Space, Add	*19.52*	
40 05 23 43-0796	EA	1-1/4" Union, Stainless Steel Schedule 40 Type 316	169.42	45.22
		For Work In Restricted Working Space, Add	*27.11*	
40 05 23 43-0797	EA	1-1/2" Union, Stainless Steel Schedule 40 Type 316	196.43	50.83
		For Work In Restricted Working Space, Add	*30.50*	
40 05 23 43-0798	EA	2" Union, Stainless Steel Schedule 40 Type 316	260.75	67.74
		For Work In Restricted Working Space, Add	*40.67*	
40 05 23 43-0799		**Flanges** *(40 05 23 43-0742)*		
40 05 23 43-0800	EA	2-1/2" Flange, Stainless Steel Schedule 40 Type 316	242.24	67.74
		For Work In Restricted Working Space, Add	*40.67*	
40 05 23 43-0801	EA	3" Flange, Stainless Steel Schedule 40 Type 316	293.47	87.42
		For Work In Restricted Working Space, Add	*52.47*	
40 05 23 43-0802	EA	4" Flange, Stainless Steel Schedule 40 Type 316	386.08	108.41
		For Work In Restricted Working Space, Add	*65.06*	
40 05 23 43-0803		**Caps** *(40 05 23 43-0742)*		
40 05 23 43-0804	EA	1/2" Cap, Stainless Steel Schedule 40 Type 316	17.05	6.59
		For Work In Restricted Working Space, Add	*3.93*	
40 05 23 43-0805	EA	3/4" Cap, Stainless Steel Schedule 40 Type 316	23.22	8.78
		For Work In Restricted Working Space, Add	*5.24*	
40 05 23 43-0806	EA	1" Cap, Stainless Steel Schedule 40 Type 316	30.10	10.82
		For Work In Restricted Working Space, Add	*6.50*	
40 05 23 43-0807	EA	1-1/4" Cap, Stainless Steel Schedule 40 Type 316	52.75	15.37
		For Work In Restricted Working Space, Add	*9.21*	
40 05 23 43-0808	EA	1-1/2" Cap, Stainless Steel Schedule 40 Type 316	60.10	17.32
		For Work In Restricted Working Space, Add	*10.38*	
40 05 23 43-0809	EA	2" Cap, Stainless Steel Schedule 40 Type 316	76.27	21.96
		For Work In Restricted Working Space, Add	*13.19*	
40 05 23 43-0810	EA	2-1/2" Cap, Stainless Steel Schedule 40 Type 316	117.09	32.53
		For Work In Restricted Working Space, Add	*19.52*	
40 05 23 43-0811	EA	3" Cap, Stainless Steel Schedule 40 Type 316	157.50	42.78
		For Work In Restricted Working Space, Add	*25.68*	
40 05 23 43-0812	EA	4" Cap, Stainless Steel Schedule 40 Type 316	241.32	54.25
		For Work In Restricted Working Space, Add	*32.53*	
40 05 23 43-0813		**Type 316 Schedule 5 Pipe And Welded Butt Fittings** *(40 05 23 43-0231)*		
40 05 23 43-0814		**Pipe** *(40 05 23 43-0813)*		
40 05 23 43-0815	LF	1/2" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting	14.93	3.41
		For Work In Restricted Working Space, Add	*2.05*	
40 05 23 43-0816	LF	3/4" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting	17.66	4.18
		For Work In Restricted Working Space, Add	*2.50*	
40 05 23 43-0817	LF	1" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting	21.06	4.93
		For Work In Restricted Working Space, Add	*2.94*	
40 05 23 43-0818	LF	1-1/4" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting	25.09	6.15
		For Work In Restricted Working Space, Add	*3.67*	
40 05 23 43-0819	LF	1-1/2" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting	28.63	6.90
		For Work In Restricted Working Space, Add	*4.14*	
40 05 23 43-0820	LF	2" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting	35.69	8.57
		For Work In Restricted Working Space, Add	*5.12*	
40 05 23 43-0821	LF	2-1/2" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting	45.41	9.78
		For Work In Restricted Working Space, Add	*5.86*	
40 05 23 43-0822	LF	3" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting	53.20	10.99
		For Work In Restricted Working Space, Add	*6.59*	
40 05 23 43-0823	LF	4" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting	65.90	13.05
		For Work In Restricted Working Space, Add	*7.81*	
40 05 23 43-0824	LF	6" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting	108.13	17.14
		For Work In Restricted Working Space, Add	*10.25*	
40 05 23 43-0825	LF	8" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting	178.75	30.58
		For Work In Restricted Working Space, Add	*19.65*	
40 05 23 43-0826	LF	10" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting	231.51	33.62
		For Work In Restricted Working Space, Add	*21.61*	
40 05 23 43-0827	LF	12" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting	265.18	37.38
		For Work In Restricted Working Space, Add	*24.01*	
40 05 23 43-0828	LF	14" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting	327.84	42.03
		For Work In Restricted Working Space, Add	*27.02*	
40 05 23 43-0829	LF	16" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting	360.29	48.03
		For Work In Restricted Working Space, Add	*30.88*	
40 05 23 43-0830	LF	18" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting	402.77	56.03
		For Work In Restricted Working Space, Add	*36.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0831	LF	20" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting	541.41	67.24
		For Work In Restricted Working Space, Add	*43.23*	
40 05 23 43-0832	LF	24" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting	707.05	84.05
		For Work In Restricted Working Space, Add	*54.03*	
40 05 23 43-0833		**90 Degree Elbows** *(40 05 23 43-0813)*		
40 05 23 43-0834	EA	1/2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316	104.37	43.23
		For Work In Restricted Working Space, Add	*25.94*	
40 05 23 43-0835	EA	3/4" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316	110.61	45.89
		For Work In Restricted Working Space, Add	*27.53*	
40 05 23 43-0836	EA	1" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316	121.35	50.44
		For Work In Restricted Working Space, Add	*30.26*	
40 05 23 43-0837	EA	1-1/4" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316	142.77	54.98
		For Work In Restricted Working Space, Add	*32.99*	
40 05 23 43-0838	EA	1-1/2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316	146.99	60.68
		For Work In Restricted Working Space, Add	*36.37*	
40 05 23 43-0839	EA	2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316	169.59	67.50
		For Work In Restricted Working Space, Add	*40.51*	
40 05 23 43-0840	EA	2-1/2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316	221.86	86.46
		For Work In Restricted Working Space, Add	*51.80*	
40 05 23 43-0841	EA	3" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316	264.21	101.24
		For Work In Restricted Working Space, Add	*60.64*	
40 05 23 43-0842	EA	4" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316	356.91	121.34
		For Work In Restricted Working Space, Add	*72.65*	
40 05 23 43-0843	EA	6" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316	630.78	151.68
		For Work In Restricted Working Space, Add	*90.87*	
40 05 23 43-0844	EA	8" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316	1,072.01	240.14
		For Work In Restricted Working Space, Add	*154.38*	
40 05 23 43-0845	EA	10" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316	1,833.76	320.19
		For Work In Restricted Working Space, Add	*205.84*	
40 05 23 43-0846	EA	12" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316	2,128.26	480.29
		For Work In Restricted Working Space, Add	*308.76*	
40 05 23 43-0847	EA	14" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316	3,650.56	560.33
		For Work In Restricted Working Space, Add	*360.22*	
40 05 23 43-0848	EA	16" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316	4,564.28	640.39
		For Work In Restricted Working Space, Add	*410.90*	
40 05 23 43-0849	EA	18" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316	5,823.38	800.49
		For Work In Restricted Working Space, Add	*514.60*	
40 05 23 43-0850	EA	20" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316	9,661.98	1,120.68
		For Work In Restricted Working Space, Add	*720.44*	
40 05 23 43-0851	EA	24" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316	13,384.58	1,600.97
		For Work In Restricted Working Space, Add	*1,029.19*	
40 05 23 43-0852		**45 Degree Elbows** *(40 05 23 43-0813)*		
40 05 23 43-0853	EA	1/2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316	112.21	43.23
		For Work In Restricted Working Space, Add	*25.94*	
40 05 23 43-0854	EA	3/4" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316	117.52	45.89
		For Work In Restricted Working Space, Add	*27.53*	
40 05 23 43-0855	EA	1" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316	129.90	50.44
		For Work In Restricted Working Space, Add	*30.26*	
40 05 23 43-0856	EA	1-1/4" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316	159.09	54.98
		For Work In Restricted Working Space, Add	*32.97*	
40 05 23 43-0857	EA	1-1/2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316	147.74	60.68
		For Work In Restricted Working Space, Add	*36.42*	
40 05 23 43-0858	EA	2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316	165.37	67.50
		For Work In Restricted Working Space, Add	*40.51*	
40 05 23 43-0859	EA	2-1/2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316	223.20	86.46
		For Work In Restricted Working Space, Add	*51.85*	
40 05 23 43-0860	EA	3" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316	254.10	101.24
		For Work In Restricted Working Space, Add	*60.77*	
40 05 23 43-0861	EA	4" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316	333.80	121.34
		For Work In Restricted Working Space, Add	*72.74*	
40 05 23 43-0862	EA	6" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316	500.11	151.68
		For Work In Restricted Working Space, Add	*91.01*	
40 05 23 43-0863	EA	8" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316	858.88	240.14
		For Work In Restricted Working Space, Add	*154.38*	
40 05 23 43-0864	EA	10" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316	1,459.02	320.19
		For Work In Restricted Working Space, Add	*205.84*	
40 05 23 43-0865	EA	12" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316	2,258.80	480.29
		For Work In Restricted Working Space, Add	*308.76*	
40 05 23 43-0866	EA	14" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316	2,830.82	560.33
		For Work In Restricted Working Space, Add	*360.22*	
40 05 23 43-0867	EA	16" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316	3,512.67	640.39
		For Work In Restricted Working Space, Add	*410.90*	
40 05 23 43-0868	EA	18" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316	4,842.04	800.49
		For Work In Restricted Working Space, Add	*514.60*	
40 05 23 43-0869	EA	20" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316	8,385.54	1,120.68
		For Work In Restricted Working Space, Add	*720.44*	
40 05 23 43-0870	EA	24" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316	11,311.82	1,600.97
		For Work In Restricted Working Space, Add	*1,029.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0871		**Tees** *(40 05 23 43-0813)*		
40 05 23 43-0872	EA	1/2" Tees, Stainless Steel Schedule 5 Type 316	182.49	54.98
		For Work In Restricted Working Space, Add	*32.96*	
40 05 23 43-0873	EA	3/4" Tees, Stainless Steel Schedule 5 Type 316	207.50	67.50
		For Work In Restricted Working Space, Add	*40.47*	
40 05 23 43-0874	EA	1" Tees, Stainless Steel Schedule 5 Type 316	220.65	75.85
		For Work In Restricted Working Space, Add	*45.47*	
40 05 23 43-0875	EA	1-1/4" Tees, Stainless Steel Schedule 5 Type 316	291.12	86.46
		For Work In Restricted Working Space, Add	*51.85*	
40 05 23 43-0876	EA	1-1/2" Tees, Stainless Steel Schedule 5 Type 316	254.61	92.90
		For Work In Restricted Working Space, Add	*55.66*	
40 05 23 43-0877	EA	2" Tees, Stainless Steel Schedule 5 Type 316	274.97	101.24
		For Work In Restricted Working Space, Add	*60.71*	
40 05 23 43-0878	EA	2-1/2" Tees, Stainless Steel Schedule 5 Type 316	448.57	121.34
		For Work In Restricted Working Space, Add	*72.74*	
40 05 23 43-0879	EA	3" Tees, Stainless Steel Schedule 5 Type 316	438.53	151.68
		For Work In Restricted Working Space, Add	*91.16*	
40 05 23 43-0880	EA	4" Tees, Stainless Steel Schedule 5 Type 316	530.72	170.64
		For Work In Restricted Working Space, Add	*102.30*	
40 05 23 43-0881	EA	6" Tees, Stainless Steel Schedule 5 Type 316	1,028.51	227.53
		For Work In Restricted Working Space, Add	*136.41*	
40 05 23 43-0882	EA	8" Tee, Stainless Steel Schedule 5 Type 316	1,997.71	320.19
		For Work In Restricted Working Space, Add	*205.84*	
40 05 23 43-0883	EA	10" Tee, Stainless Steel Schedule 5 Type 316	3,090.25	480.29
		For Work In Restricted Working Space, Add	*308.76*	
40 05 23 43-0884	EA	12" Tee, Stainless Steel Schedule 5 Type 316	3,921.37	600.37
		For Work In Restricted Working Space, Add	*385.95*	
40 05 23 43-0885	EA	14" Tee, Stainless Steel Schedule 5 Type 316	4,995.92	720.43
		For Work In Restricted Working Space, Add	*463.80*	
40 05 23 43-0886	EA	16" Tee, Stainless Steel Schedule 5 Type 316	5,567.74	880.53
		For Work In Restricted Working Space, Add	*565.79*	
40 05 23 43-0887	EA	18" Tee, Stainless Steel Schedule 5 Type 316	6,792.90	1,120.68
		For Work In Restricted Working Space, Add	*720.44*	
40 05 23 43-0888	EA	20" Tee, Stainless Steel Schedule 5 Type 316	10,373.48	1,480.90
		For Work In Restricted Working Space, Add	*947.94*	
40 05 23 43-0889	EA	24" Tee, Stainless Steel Schedule 5 Type 316	15,911.50	2,241.36
		For Work In Restricted Working Space, Add	*1,440.87*	
40 05 23 43-0890		**Reducers** *(40 05 23 43-0813)*		
40 05 23 43-0891	EA	3/4" Reducer, Stainless Steel Schedule 5 Type 316	118.34	41.71
		For Work In Restricted Working Space, Add	*25.05*	
40 05 23 43-0892	EA	1" Reducer, Stainless Steel Schedule 5 Type 316	131.24	45.51
		For Work In Restricted Working Space, Add	*27.30*	
40 05 23 43-0893	EA	1-1/4" Reducer, Stainless Steel Schedule 5 Type 316	163.68	50.44
		For Work In Restricted Working Space, Add	*30.26*	
40 05 23 43-0894	EA	1-1/2" Reducer, Stainless Steel Schedule 5 Type 316	136.81	54.98
		For Work In Restricted Working Space, Add	*32.97*	
40 05 23 43-0895	EA	2" Reducer, Stainless Steel Schedule 5 Type 316	150.53	60.68
		For Work In Restricted Working Space, Add	*36.42*	
40 05 23 43-0896	EA	2-1/2" Reducer, Stainless Steel Schedule 5 Type 316	195.85	75.85
		For Work In Restricted Working Space, Add	*45.50*	
40 05 23 43-0897	EA	3" Reducer, Stainless Steel Schedule 5 Type 316	216.39	86.46
		For Work In Restricted Working Space, Add	*51.80*	
40 05 23 43-0898	EA	4" Reducer, Stainless Steel Schedule 5 Type 316	251.68	101.24
		For Work In Restricted Working Space, Add	*60.71*	
40 05 23 43-0899	EA	6" Reducer, Stainless Steel Schedule 5 Type 316	324.86	128.93
		For Work In Restricted Working Space, Add	*77.28*	
40 05 23 43-0900	EA	8" Reducer, Stainless Steel Schedule 5 Type 316	719.95	192.12
		For Work In Restricted Working Space, Add	*123.50*	
40 05 23 43-0901	EA	10" Reducer, Stainless Steel Schedule 5 Type 316	943.34	240.14
		For Work In Restricted Working Space, Add	*154.38*	
40 05 23 43-0902	EA	12" Reducer, Stainless Steel Schedule 5 Type 316	1,253.79	320.19
		For Work In Restricted Working Space, Add	*205.84*	
40 05 23 43-0903	EA	14" Reducer, Stainless Steel Schedule 5 Type 316	1,666.14	420.25
		For Work In Restricted Working Space, Add	*270.16*	
40 05 23 43-0904	EA	16" Reducer, Stainless Steel Schedule 5 Type 316	1,980.53	480.29
		For Work In Restricted Working Space, Add	*307.88*	
40 05 23 43-0905	EA	18" Reducer, Stainless Steel Schedule 5 Type 316	2,461.95	600.37
		For Work In Restricted Working Space, Add	*385.95*	
40 05 23 43-0906	EA	20" Reducer, Stainless Steel Schedule 5 Type 316	3,750.51	800.49
		For Work In Restricted Working Space, Add	*514.60*	
40 05 23 43-0907	EA	24" Reducer, Stainless Steel Schedule 5 Type 316	5,890.07	1,200.72
		For Work In Restricted Working Space, Add	*771.89*	
40 05 23 43-0908		**Weld Neck Flanges** *(40 05 23 43-0813)*		
40 05 23 43-0909	EA	1/2" Flanges, Stainless Steel Schedule 5 Type 316	68.93	17.45
		For Work In Restricted Working Space, Add	*10.47*	
40 05 23 43-0910	EA	3/4" Flanges, Stainless Steel Schedule 5 Type 316	71.97	18.96
		For Work In Restricted Working Space, Add	*11.38*	
40 05 23 43-0911	EA	1" Flanges, Stainless Steel Schedule 5 Type 316	84.88	25.41
		For Work In Restricted Working Space, Add	*15.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0912	EA	1-1/4" Flanges, Stainless Steel Schedule 5 Type 316	95.08	26.54
		For Work In Restricted Working Space, Add	*15.92*	
40 05 23 43-0913	EA	1-1/2" Flanges, Stainless Steel Schedule 5 Type 316	110.61	30.34
		For Work In Restricted Working Space, Add	*18.20*	
40 05 23 43-0914	EA	2" Flanges, Stainless Steel Schedule 5 Type 316	132.90	34.13
		For Work In Restricted Working Space, Add	*20.46*	
40 05 23 43-0915	EA	2-1/2" Flanges, Stainless Steel Schedule 5 Type 316	181.39	43.61
		For Work In Restricted Working Space, Add	*26.17*	
40 05 23 43-0916	EA	3" Flanges, Stainless Steel Schedule 5 Type 316	199.54	50.44
		For Work In Restricted Working Space, Add	*30.24*	
40 05 23 43-0917	EA	4" Flanges, Stainless Steel Schedule 5 Type 316	273.82	68.26
		For Work In Restricted Working Space, Add	*40.95*	
40 05 23 43-0918	EA	6" Flanges, Stainless Steel Schedule 5 Type 316	415.69	101.24
		For Work In Restricted Working Space, Add	*60.71*	
40 05 23 43-0919	EA	8" Flange, Stainless Steel Schedule 5 Type 316	792.21	120.08
		For Work In Restricted Working Space, Add	*77.19*	
40 05 23 43-0920	EA	10" Flange, Stainless Steel Schedule 5 Type 316	1,226.60	140.08
		For Work In Restricted Working Space, Add	*90.05*	
40 05 23 43-0921	EA	12" Flange, Stainless Steel Schedule 5 Type 316	1,711.04	160.10
		For Work In Restricted Working Space, Add	*102.92*	
40 05 23 43-0922	EA	14" Flange, Stainless Steel Schedule 5 Type 316	2,273.42	200.12
		For Work In Restricted Working Space, Add	*128.65*	
40 05 23 43-0923	EA	16" Flange, Stainless Steel Schedule 5 Type 316	3,050.91	240.14
		For Work In Restricted Working Space, Add	*154.38*	
40 05 23 43-0924	EA	18" Flange, Stainless Steel Schedule 5 Type 316	3,158.87	280.17
		For Work In Restricted Working Space, Add	*180.11*	
40 05 23 43-0925	EA	20" Flange, Stainless Steel Schedule 5 Type 316	4,370.92	340.21
		For Work In Restricted Working Space, Add	*218.76*	
40 05 23 43-0926	EA	24" Flange, Stainless Steel Schedule 5 Type 316	9,916.81	440.27
		For Work In Restricted Working Space, Add	*282.89*	

40 05 23 43-0927 Slip-On Flanges *(40 05 23 43-0813)*

40 05 23 43-0928	EA	1/2" Flange, Stainless Steel Schedule 5 Type 316	111.29	37.92
		For Work In Restricted Working Space, Add	*22.76*	
40 05 23 43-0929	EA	3/4" Flange, Stainless Steel Schedule 5 Type 316	116.07	37.92
		For Work In Restricted Working Space, Add	*22.76*	
40 05 23 43-0930	EA	1" Flange, Stainless Steel Schedule 5 Type 316	136.43	46.64
		For Work In Restricted Working Space, Add	*27.99*	
40 05 23 43-0931	EA	1-1/4" Flange, Stainless Steel Schedule 5 Type 316	150.79	50.44
		For Work In Restricted Working Space, Add	*30.26*	
40 05 23 43-0932	EA	1-1/2" Flange, Stainless Steel Schedule 5 Type 316	168.63	55.37
		For Work In Restricted Working Space, Add	*33.23*	
40 05 23 43-0933	EA	2" Flange, Stainless Steel Schedule 5 Type 316	198.40	60.68
		For Work In Restricted Working Space, Add	*36.37*	
40 05 23 43-0934	EA	2-1/2" Flange, Stainless Steel Schedule 5 Type 316	247.71	68.26
		For Work In Restricted Working Space, Add	*40.95*	
40 05 23 43-0935	EA	3" Flange, Stainless Steel Schedule 5 Type 316	270.72	75.85
		For Work In Restricted Working Space, Add	*45.47*	
40 05 23 43-0936	EA	4" Flange, Stainless Steel Schedule 5 Type 316	370.04	101.63
		For Work In Restricted Working Space, Add	*60.97*	
40 05 23 43-0937	EA	6" Flange, Stainless Steel Schedule 5 Type 316	561.61	151.68
		For Work In Restricted Working Space, Add	*90.87*	
40 05 23 43-0938	EA	8" Flange, Stainless Steel Schedule 5 Type 316	1,720.80	240.14
		For Work In Restricted Working Space, Add	*154.38*	

40 05 23 43-0939 Caps *(40 05 23 43-0813)*

40 05 23 43-0940	EA	1/2" Cap, Stainless Steel Schedule 5 Type 316	57.51	17.45
		For Work In Restricted Working Space, Add	*10.47*	
40 05 23 43-0941	EA	3/4" Cap, Stainless Steel Schedule 5 Type 316	63.69	18.96
		For Work In Restricted Working Space, Add	*11.38*	
40 05 23 43-0942	EA	1" Cap, Stainless Steel Schedule 5 Type 316	79.42	25.03
		For Work In Restricted Working Space, Add	*15.02*	
40 05 23 43-0943	EA	1-1/4" Cap, Stainless Steel Schedule 5 Type 316	85.95	26.54
		For Work In Restricted Working Space, Add	*15.92*	
40 05 23 43-0944	EA	1-1/2" Cap, Stainless Steel Schedule 5 Type 316	95.90	30.34
		For Work In Restricted Working Space, Add	*18.20*	
40 05 23 43-0945	EA	2" Cap, Stainless Steel Schedule 5 Type 316	104.59	34.13
		For Work In Restricted Working Space, Add	*20.46*	
40 05 23 43-0946	EA	2-1/2" Cap, Stainless Steel Schedule 5 Type 316	129.48	43.61
		For Work In Restricted Working Space, Add	*26.17*	
40 05 23 43-0947	EA	3" Cap, Stainless Steel Schedule 5 Type 316	147.76	50.44
		For Work In Restricted Working Space, Add	*30.24*	
40 05 23 43-0948	EA	4" Cap, Stainless Steel Schedule 5 Type 316	217.12	67.50
		For Work In Restricted Working Space, Add	*40.49*	
40 05 23 43-0949	EA	6" Cap, Stainless Steel Schedule 5 Type 316	286.88	101.24
		For Work In Restricted Working Space, Add	*60.71*	

40 05 23 43-0950 Reducing Tees *(40 05 23 43-0813)*

40 05 23 43-0951	EA	3/4" Reducing Tees, Stainless Steel Schedule 5 Type 316	157.14	54.98
		For Work In Restricted Working Space, Add	*27.54*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0952	EA		1" Reducing Tees, Stainless Steel Schedule 5 Type 316	177.85	67.50
			For Work In Restricted Working Space, Add	*33.75*	
40 05 23 43-0953	EA		1-1/4" Reducing Tees, Stainless Steel Schedule 5 Type 316	213.89	75.85
			For Work In Restricted Working Space, Add	*37.92*	
40 05 23 43-0954	EA		1-1/2" Reducing Tees, Stainless Steel Schedule 5 Type 316	207.47	86.46
			For Work In Restricted Working Space, Add	*43.23*	
40 05 23 43-0955	EA		2" Reducing Tees, Stainless Steel Schedule 5 Type 316	226.49	92.90
			For Work In Restricted Working Space, Add	*46.46*	
40 05 23 43-0956	EA		2-1/2" Reducing Tees, Stainless Steel Schedule 5 Type 316	347.85	101.24
			For Work In Restricted Working Space, Add	*50.63*	
40 05 23 43-0957	EA		3" Reducing Tees, Stainless Steel Schedule 5 Type 316	326.25	121.34
			For Work In Restricted Working Space, Add	*60.68*	
40 05 23 43-0958	EA		4" Reducing Tees, Stainless Steel Schedule 5 Type 316	431.90	151.68
			For Work In Restricted Working Space, Add	*75.84*	
40 05 23 43-0959	EA		6" Reducing Tees, Stainless Steel Schedule 5 Type 316	826.17	173.30
			For Work In Restricted Working Space, Add	*86.66*	
40 05 23 43-0960	EA		8" Reducing Tee, Stainless Steel Schedule 5 Type 316	1,553.73	240.14
			For Work In Restricted Working Space, Add	*128.65*	
40 05 23 43-0961	EA		10" Reducing Tee, Stainless Steel Schedule 5 Type 316	2,528.12	320.19
			For Work In Restricted Working Space, Add	*171.53*	
40 05 23 43-0962	EA		12" Reducing Tee, Stainless Steel Schedule 5 Type 316	3,359.58	480.29
			For Work In Restricted Working Space, Add	*257.30*	
40 05 23 43-0963	EA		14" Reducing Tee, Stainless Steel Schedule 5 Type 316	4,295.55	577.14
			For Work In Restricted Working Space, Add	*309.11*	
40 05 23 43-0964	EA		16" Reducing Tee, Stainless Steel Schedule 5 Type 316	4,753.48	704.02
			For Work In Restricted Working Space, Add	*377.06*	
40 05 23 43-0965	EA		18" Reducing Tee, Stainless Steel Schedule 5 Type 316	5,775.43	896.54
			For Work In Restricted Working Space, Add	*480.29*	
40 05 23 43-0966	EA		20" Reducing Tee, Stainless Steel Schedule 5 Type 316	8,953.75	1,179.51
			For Work In Restricted Working Space, Add	*631.96*	
40 05 23 43-0967	EA		24" Reducing Tee, Stainless Steel Schedule 5 Type 316	13,749.59	1,792.28
			For Work In Restricted Working Space, Add	*959.73*	

40 05 23 43-0968 Type 316 Schedule 10 Pipe And Welded Butt Fittings *(40 05 23 43-0231)*

40 05 23 43-0969 Pipe *(40 05 23 43-0968)*

40 05 23 43-0970	LF		1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting	14.84	3.41
			For Work In Restricted Working Space, Add	*2.05*	
40 05 23 43-0971	LF		3/4" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting	17.61	4.18
			For Work In Restricted Working Space, Add	*2.50*	
40 05 23 43-0972	LF		1" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting	23.59	4.93
			For Work In Restricted Working Space, Add	*2.94*	
40 05 23 43-0973	LF		1-1/4" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting	28.74	6.15
			For Work In Restricted Working Space, Add	*3.67*	
40 05 23 43-0974	LF		1-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting	31.94	6.90
			For Work In Restricted Working Space, Add	*4.14*	
40 05 23 43-0975	LF		2" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting	39.49	8.57
			For Work In Restricted Working Space, Add	*5.12*	
40 05 23 43-0976	LF		2-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting	47.40	9.78
			For Work In Restricted Working Space, Add	*5.86*	
40 05 23 43-0977	LF		3" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting	56.15	10.99
			For Work In Restricted Working Space, Add	*6.59*	
40 05 23 43-0978	LF		4" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting	70.85	13.05
			For Work In Restricted Working Space, Add	*7.81*	
40 05 23 43-0979	LF		6" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting	104.14	17.14
			For Work In Restricted Working Space, Add	*10.25*	
40 05 23 43-0980	LF		8" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	172.65	30.58
			For Work In Restricted Working Space, Add	*19.65*	
40 05 23 43-0981	LF		10" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	222.92	33.62
			For Work In Restricted Working Space, Add	*21.61*	
40 05 23 43-0982	LF		12" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	268.10	37.38
			For Work In Restricted Working Space, Add	*24.01*	
40 05 23 43-0983	LF		14" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	331.60	42.03
			For Work In Restricted Working Space, Add	*27.02*	
40 05 23 43-0984	LF		16" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	364.34	48.03
			For Work In Restricted Working Space, Add	*30.88*	
40 05 23 43-0985	LF		18" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	407.22	56.03
			For Work In Restricted Working Space, Add	*36.02*	
40 05 23 43-0986	LF		20" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	570.09	67.24
			For Work In Restricted Working Space, Add	*43.23*	
40 05 23 43-0987	LF		24" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	745.10	84.05
			For Work In Restricted Working Space, Add	*54.03*	

40 05 23 43-0988 90 Degree Elbows *(40 05 23 43-0968)*

40 05 23 43-0989	EA		1/2" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316	100.84	43.23
			For Work In Restricted Working Space, Add	*25.94*	
40 05 23 43-0990	EA		3/4" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316	106.15	45.89
			For Work In Restricted Working Space, Add	*27.53*	
40 05 23 43-0991	EA		1" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316	115.26	50.44
			For Work In Restricted Working Space, Add	*30.26*	
40 05 23 43-0992	EA		1-1/4" 90 Degree Elbow, Stainless Steel Schedule 10, Type 316	130.95	54.98
			For Work In Restricted Working Space, Add	*33.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0993	EA	1-1/2" 90 Degree Elbow, Stainless Steel Schedule 10, Type 316	148.02	60.68
		For Work In Restricted Working Space, Add	*36.38*	
40 05 23 43-0994	EA	2" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316	163.18	67.50
		For Work In Restricted Working Space, Add	*40.52*	
40 05 23 43-0995	EA	2-1/2" 90 Degree Elbow, Stainless Steel Schedule 10, Type 316	212.56	86.46
		For Work In Restricted Working Space, Add	*51.82*	
40 05 23 43-0996	EA	3" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316	252.42	101.24
		For Work In Restricted Working Space, Add	*60.67*	
40 05 23 43-0997	EA	4" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316	336.02	121.34
		For Work In Restricted Working Space, Add	*72.69*	
40 05 23 43-0998	EA	6" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316	570.46	151.68
		For Work In Restricted Working Space, Add	*90.82*	
40 05 23 43-0999	EA	8" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316	1,125.44	240.14
		For Work In Restricted Working Space, Add	*154.38*	
40 05 23 43-1000	EA	10" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316	1,819.34	320.19
		For Work In Restricted Working Space, Add	*205.84*	
40 05 23 43-1001	EA	12" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316	2,806.96	480.29
		For Work In Restricted Working Space, Add	*308.76*	
40 05 23 43-1002	EA	14" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316	3,604.92	560.33
		For Work In Restricted Working Space, Add	*360.22*	
40 05 23 43-1003	EA	16" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316	4,503.98	640.39
		For Work In Restricted Working Space, Add	*410.90*	
40 05 23 43-1004	EA	18" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316	5,741.21	800.49
		For Work In Restricted Working Space, Add	*514.60*	
40 05 23 43-1005	EA	20" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316	9,533.25	1,120.68
		For Work In Restricted Working Space, Add	*720.44*	
40 05 23 43-1006	EA	24" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316	13,195.78	1,600.97
		For Work In Restricted Working Space, Add	*1,029.19*	

40 05 23 43-1007 45 Degree Elbows *(40 05 23 43-0968)*

40 05 23 43-1008	EA	1/2" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316	106.74	43.23
		For Work In Restricted Working Space, Add	*25.94*	
40 05 23 43-1009	EA	3/4" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316	112.05	45.89
		For Work In Restricted Working Space, Add	*27.53*	
40 05 23 43-1010	EA	1" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316	121.16	50.44
		For Work In Restricted Working Space, Add	*30.26*	
40 05 23 43-1011	EA	1-1/4" 45 Degree Elbow, Stainless Steel Schedule 10, Type 316	132.64	54.98
		For Work In Restricted Working Space, Add	*32.98*	
40 05 23 43-1012	EA	1-1/2" 45 Degree Elbow, Stainless Steel Schedule 10, Type 316	144.61	60.68
		For Work In Restricted Working Space, Add	*36.42*	
40 05 23 43-1013	EA	2" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316	173.67	67.50
		For Work In Restricted Working Space, Add	*40.52*	
40 05 23 43-1014	EA	2-1/2" 45 Degree Elbow, Stainless Steel Schedule 10, Type 316	211.77	86.46
		For Work In Restricted Working Space, Add	*51.86*	
40 05 23 43-1015	EA	3" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316	243.02	101.24
		For Work In Restricted Working Space, Add	*60.74*	
40 05 23 43-1016	EA	4" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316	313.88	121.34
		For Work In Restricted Working Space, Add	*72.76*	
40 05 23 43-1017	EA	6" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316	455.82	151.68
		For Work In Restricted Working Space, Add	*91.01*	
40 05 23 43-1018	EA	8" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316	981.15	240.14
		For Work In Restricted Working Space, Add	*154.38*	
40 05 23 43-1019	EA	10" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316	1,454.69	320.19
		For Work In Restricted Working Space, Add	*205.84*	
40 05 23 43-1020	EA	12" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316	2,255.12	480.29
		For Work In Restricted Working Space, Add	*308.76*	
40 05 23 43-1021	EA	14" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316	2,825.99	560.33
		For Work In Restricted Working Space, Add	*360.22*	
40 05 23 43-1022	EA	16" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316	3,505.71	640.39
		For Work In Restricted Working Space, Add	*410.90*	
40 05 23 43-1023	EA	18" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316	4,832.88	800.49
		For Work In Restricted Working Space, Add	*514.60*	
40 05 23 43-1024	EA	20" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316	8,373.15	1,120.68
		For Work In Restricted Working Space, Add	*720.44*	
40 05 23 43-1025	EA	24" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316	11,286.03	1,600.97
		For Work In Restricted Working Space, Add	*1,029.19*	

40 05 23 43-1026 Tees *(40 05 23 43-0968)*

40 05 23 43-1027	EA	1/2" Tees, Stainless Steel Schedule 10 Type 316	158.15	54.98
		For Work In Restricted Working Space, Add	*32.96*	
40 05 23 43-1028	EA	3/4" Tees, Stainless Steel Schedule 10 Type 316	183.16	67.50
		For Work In Restricted Working Space, Add	*40.47*	
40 05 23 43-1029	EA	1" Tees, Stainless Steel Schedule 10 Type 316	199.83	75.85
		For Work In Restricted Working Space, Add	*45.47*	
40 05 23 43-1030	EA	1-1/4" Tees, Stainless Steel Schedule 10 Type 316	226.02	86.46
		For Work In Restricted Working Space, Add	*51.88*	
40 05 23 43-1031	EA	1-1/2" Tees, Stainless Steel Schedule 10 Type 316	240.30	92.90
		For Work In Restricted Working Space, Add	*55.68*	
40 05 23 43-1032	EA	2" Tees, Stainless Steel Schedule 10 Type 316	287.65	101.24
		For Work In Restricted Working Space, Add	*60.71*	
40 05 23 43-1033	EA	2-1/2" Tees, Stainless Steel Schedule 10 Type 316	347.10	121.34
		For Work In Restricted Working Space, Add	*72.76*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1034		EA	3" Tees, Stainless Steel Schedule 10 Type 316	451.77	151.68
			For Work In Restricted Working Space, Add	*91.13*	
40 05 23 43-1035		EA	4" Tees, Stainless Steel Schedule 10 Type 316	501.85	170.64
			For Work In Restricted Working Space, Add	*102.29*	
40 05 23 43-1036		EA	6" Tees, Stainless Steel Schedule 10 Type 316	902.31	227.53
			For Work In Restricted Working Space, Add	*136.51*	
40 05 23 43-1037		EA	8" Tee, Stainless Steel Schedule 10 Type 316	1,541.52	320.19
			For Work In Restricted Working Space, Add	*205.84*	
40 05 23 43-1038		EA	10" Tee, Stainless Steel Schedule 10 Type 316	2,257.84	480.29
			For Work In Restricted Working Space, Add	*308.76*	
40 05 23 43-1039		EA	12" Tee, Stainless Steel Schedule 10 Type 316	3,948.55	600.37
			For Work In Restricted Working Space, Add	*385.95*	
40 05 23 43-1040		EA	14" Tee, Stainless Steel Schedule 10 Type 316	5,033.97	720.43
			For Work In Restricted Working Space, Add	*463.80*	
40 05 23 43-1041		EA	16" Tee, Stainless Steel Schedule 10 Type 316	5,606.00	880.53
			For Work In Restricted Working Space, Add	*565.79*	
40 05 23 43-1042		EA	18" Tee, Stainless Steel Schedule 10 Type 316	6,838.21	1,120.68
			For Work In Restricted Working Space, Add	*720.44*	
40 05 23 43-1043		EA	20" Tee, Stainless Steel Schedule 10 Type 316	10,448.63	1,480.90
			For Work In Restricted Working Space, Add	*947.94*	
40 05 23 43-1044		EA	24" Tee, Stainless Steel Schedule 10 Type 316	16,026.64	2,241.36
			For Work In Restricted Working Space, Add	*1,440.87*	

40 05 23 43-1045 Reducers *(40 05 23 43-0968)*

40 05 23 43-1046		EA	3/4" Reducer, Stainless Steel Schedule 10 Type 316	120.17	41.71
			For Work In Restricted Working Space, Add	*25.05*	
40 05 23 43-1047		EA	1" Reducer, Stainless Steel Schedule 10 Type 316	133.36	45.51
			For Work In Restricted Working Space, Add	*27.30*	
40 05 23 43-1048		EA	1-1/4" Reducer, Stainless Steel Schedule 10 Type 316	166.99	50.44
			For Work In Restricted Working Space, Add	*30.26*	
40 05 23 43-1049		EA	1-1/2" Reducer, Stainless Steel Schedule 10 Type 316	138.21	54.98
			For Work In Restricted Working Space, Add	*32.97*	
40 05 23 43-1050		EA	2" Reducer, Stainless Steel Schedule 10 Type 316	152.03	60.68
			For Work In Restricted Working Space, Add	*36.41*	
40 05 23 43-1051		EA	2-1/2" Reducer, Stainless Steel Schedule 10 Type 316	198.16	75.85
			For Work In Restricted Working Space, Add	*45.50*	
40 05 23 43-1052		EA	3" Reducer, Stainless Steel Schedule 10 Type 316	218.73	86.46
			For Work In Restricted Working Space, Add	*51.81*	
40 05 23 43-1053		EA	4" Reducer, Stainless Steel Schedule 10 Type 316	254.28	101.24
			For Work In Restricted Working Space, Add	*60.71*	
40 05 23 43-1054		EA	6" Reducer, Stainless Steel Schedule 10 Type 316	328.44	128.93
			For Work In Restricted Working Space, Add	*77.30*	
40 05 23 43-1055		EA	8" Reducer, Stainless Steel Schedule 10 Type 316	736.18	192.12
			For Work In Restricted Working Space, Add	*123.50*	
40 05 23 43-1056		EA	10" Reducer, Stainless Steel Schedule 10 Type 316	965.91	240.14
			For Work In Restricted Working Space, Add	*154.38*	
40 05 23 43-1057		EA	12" Reducer, Stainless Steel Schedule 10 Type 316	1,283.66	320.19
			For Work In Restricted Working Space, Add	*205.84*	
40 05 23 43-1058		EA	14" Reducer, Stainless Steel Schedule 10 Type 316	1,706.43	420.25
			For Work In Restricted Working Space, Add	*270.16*	
40 05 23 43-1059		EA	16" Reducer, Stainless Steel Schedule 10 Type 316	2,031.64	480.29
			For Work In Restricted Working Space, Add	*308.14*	
40 05 23 43-1060		EA	18" Reducer, Stainless Steel Schedule 10 Type 316	2,523.82	600.37
			For Work In Restricted Working Space, Add	*385.95*	
40 05 23 43-1061		EA	20" Reducer, Stainless Steel Schedule 10 Type 316	3,857.63	800.49
			For Work In Restricted Working Space, Add	*514.60*	
40 05 23 43-1062		EA	24" Reducer, Stainless Steel Schedule 10 Type 316	6,064.65	1,200.72
			For Work In Restricted Working Space, Add	*771.89*	

40 05 23 43-1063 Flanges *(40 05 23 43-0968)*

40 05 23 43-1064		EA	1/2" Flanges, Stainless Steel Schedule 10 Type 316	70.72	17.45
			For Work In Restricted Working Space, Add	*10.47*	
40 05 23 43-1065		EA	3/4" Flanges, Stainless Steel Schedule 10 Type 316	73.76	18.96
			For Work In Restricted Working Space, Add	*11.38*	
40 05 23 43-1066		EA	1" Flanges, Stainless Steel Schedule 10 Type 316	86.66	25.41
			For Work In Restricted Working Space, Add	*15.25*	
40 05 23 43-1067		EA	1-1/4" Flanges, Stainless Steel Schedule 10 Type 316	97.29	26.54
			For Work In Restricted Working Space, Add	*15.92*	
40 05 23 43-1068		EA	1-1/2" Flanges, Stainless Steel Schedule 10 Type 316	113.24	30.34
			For Work In Restricted Working Space, Add	*18.20*	
40 05 23 43-1069		EA	2" Flanges, Stainless Steel Schedule 10 Type 316	136.31	34.13
			For Work In Restricted Working Space, Add	*20.46*	
40 05 23 43-1070		EA	2-1/2" Flanges, Stainless Steel Schedule 10 Type 316	186.35	43.61
			For Work In Restricted Working Space, Add	*26.17*	
40 05 23 43-1071		EA	3" Flanges, Stainless Steel Schedule 10 Type 316	204.74	50.44
			For Work In Restricted Working Space, Add	*30.24*	
40 05 23 43-1072		EA	4" Flanges, Stainless Steel Schedule 10 Type 316	281.07	68.26
			For Work In Restricted Working Space, Add	*40.96*	
40 05 23 43-1073		EA	6" Flanges, Stainless Steel Schedule 10 Type 316	426.87	101.24
			For Work In Restricted Working Space, Add	*60.69*	
40 05 23 43-1074		EA	8" Flange, Stainless Steel Schedule 10 Type 316	820.37	120.08
			For Work In Restricted Working Space, Add	*77.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1075	EA	10" Flange, Stainless Steel Schedule 10 Type 316	1,275.36	140.08
		For Work In Restricted Working Space, Add	*90.05*	
40 05 23 43-1076	EA	12" Flange, Stainless Steel Schedule 10 Type 316	1,783.04	160.10
		For Work In Restricted Working Space, Add	*102.92*	
40 05 23 43-1077	EA	14" Flange, Stainless Steel Schedule 10 Type 316	2,370.51	200.12
		For Work In Restricted Working Space, Add	*128.65*	
40 05 23 43-1078	EA	16" Flange, Stainless Steel Schedule 10 Type 316	3,184.40	240.14
		For Work In Restricted Working Space, Add	*154.38*	
40 05 23 43-1079	EA	18" Flange, Stainless Steel Schedule 10 Type 316	3,293.53	280.17
		For Work In Restricted Working Space, Add	*180.11*	
40 05 23 43-1080	EA	20" Flange, Stainless Steel Schedule 10 Type 316	4,562.59	340.21
		For Work In Restricted Working Space, Add	*218.76*	
40 05 23 43-1081	EA	24" Flange, Stainless Steel Schedule 10 Type 316	10,389.11	440.27
		For Work In Restricted Working Space, Add	*282.89*	

40 05 23 43-1082 Slip-On Flanges *(40 05 23 43-0968)*

40 05 23 43-1083	EA	1/2" Flange, Stainless Steel Schedule 10 Type 316	113.16	37.92
		For Work In Restricted Working Space, Add	*22.76*	
40 05 23 43-1084	EA	3/4" Flange, Stainless Steel Schedule 10 Type 316	118.18	37.92
		For Work In Restricted Working Space, Add	*22.76*	
40 05 23 43-1085	EA	1" Flange, Stainless Steel Schedule 10 Type 316	138.70	46.64
		For Work In Restricted Working Space, Add	*27.99*	
40 05 23 43-1086	EA	1-1/4" Flange, Stainless Steel Schedule 10 Type 316	153.41	50.44
		For Work In Restricted Working Space, Add	*30.26*	
40 05 23 43-1087	EA	1-1/2" Flange, Stainless Steel Schedule 10 Type 316	171.67	55.37
		For Work In Restricted Working Space, Add	*33.22*	
40 05 23 43-1088	EA	2" Flange, Stainless Steel Schedule 10 Type 316	202.50	60.68
		For Work In Restricted Working Space, Add	*36.38*	
40 05 23 43-1089	EA	2-1/2" Flange, Stainless Steel Schedule 10 Type 316	253.58	68.26
		For Work In Restricted Working Space, Add	*40.96*	
40 05 23 43-1090	EA	3" Flange, Stainless Steel Schedule 10 Type 316	277.01	75.85
		For Work In Restricted Working Space, Add	*45.47*	
40 05 23 43-1091	EA	4" Flange, Stainless Steel Schedule 10 Type 316	378.86	101.63
		For Work In Restricted Working Space, Add	*60.98*	
40 05 23 43-1092	EA	6" Flange, Stainless Steel Schedule 10 Type 316	575.42	151.68
		For Work In Restricted Working Space, Add	*90.92*	
40 05 23 43-1093	EA	8" Flange, Stainless Steel Schedule 10 Type 316	1,784.29	240.14
		For Work In Restricted Working Space, Add	*154.38*	

40 05 23 43-1094 Caps *(40 05 23 43-0968)*

40 05 23 43-1095	EA	1/2" Cap, Stainless Steel Schedule 10 Type 316	58.70	17.45
		For Work In Restricted Working Space, Add	*10.47*	
40 05 23 43-1096	EA	3/4" Cap, Stainless Steel Schedule 10 Type 316	65.04	18.96
		For Work In Restricted Working Space, Add	*11.38*	
40 05 23 43-1097	EA	1" Cap, Stainless Steel Schedule 10 Type 316	80.96	25.03
		For Work In Restricted Working Space, Add	*15.02*	
40 05 23 43-1098	EA	1-1/4" Cap, Stainless Steel Schedule 10 Type 316	87.68	26.54
		For Work In Restricted Working Space, Add	*15.92*	
40 05 23 43-1099	EA	1-1/2" Cap, Stainless Steel Schedule 10 Type 316	97.75	30.34
		For Work In Restricted Working Space, Add	*18.20*	
40 05 23 43-1100	EA	2" Cap, Stainless Steel Schedule 10 Type 316	106.52	34.13
		For Work In Restricted Working Space, Add	*20.46*	
40 05 23 43-1101	EA	2-1/2" Cap, Stainless Steel Schedule 10 Type 316	131.70	43.61
		For Work In Restricted Working Space, Add	*26.17*	
40 05 23 43-1102	EA	3" Cap, Stainless Steel Schedule 10 Type 316	150.23	50.44
		For Work In Restricted Working Space, Add	*30.24*	
40 05 23 43-1103	EA	4" Cap, Stainless Steel Schedule 10 Type 316	221.50	67.50
		For Work In Restricted Working Space, Add	*40.50*	
40 05 23 43-1104	EA	6" Cap, Stainless Steel Schedule 10 Type 316	291.28	101.24
		For Work In Restricted Working Space, Add	*60.69*	

40 05 23 43-1105 Reducing Tees *(40 05 23 43-0968)*

40 05 23 43-1106	EA	3/4" Reducing Tees, Stainless Steel Schedule 10 Type 316	162.33	54.98
		For Work In Restricted Working Space, Add	*27.54*	
40 05 23 43-1107	EA	1" Reducing Tees, Stainless Steel Schedule 10 Type 316	200.77	67.50
		For Work In Restricted Working Space, Add	*33.75*	
40 05 23 43-1108	EA	1-1/4" Reducing Tees, Stainless Steel Schedule 10 Type 316	223.62	75.85
		For Work In Restricted Working Space, Add	*37.92*	
40 05 23 43-1109	EA	1-1/2" Reducing Tees, Stainless Steel Schedule 10 Type 316	250.24	86.46
		For Work In Restricted Working Space, Add	*43.23*	
40 05 23 43-1110	EA	2" Reducing Tees, Stainless Steel Schedule 10 Type 316	279.44	92.90
		For Work In Restricted Working Space, Add	*46.46*	
40 05 23 43-1111	EA	2-1/2" Reducing Tees, Stainless Steel Schedule 10 Type 316	418.72	101.24
		For Work In Restricted Working Space, Add	*50.63*	
40 05 23 43-1112	EA	3" Reducing Tees, Stainless Steel Schedule 10 Type 316	418.55	121.34
		For Work In Restricted Working Space, Add	*60.68*	
40 05 23 43-1113	EA	4" Reducing Tees, Stainless Steel Schedule 10 Type 316	517.65	151.68
		For Work In Restricted Working Space, Add	*75.84*	
40 05 23 43-1114	EA	6" Reducing Tees, Stainless Steel Schedule 10 Type 316	942.43	173.30
		For Work In Restricted Working Space, Add	*86.66*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1115	EA	8" Reducing Tee, Stainless Steel Schedule 10 Type 316	1,678.71	240.14
		For Work In Restricted Working Space, Add	*128.65*	
40 05 23 43-1116	EA	10" Reducing Tee, Stainless Steel Schedule 10 Type 316	3,646.81	320.19
		For Work In Restricted Working Space, Add	*171.53*	
40 05 23 43-1117	EA	12" Reducing Tee, Stainless Steel Schedule 10 Type 316	4,747.37	480.29
		For Work In Restricted Working Space, Add	*257.30*	
40 05 23 43-1118	EA	14" Reducing Tee, Stainless Steel Schedule 10 Type 316	6,126.89	577.14
		For Work In Restricted Working Space, Add	*309.11*	
40 05 23 43-1119	EA	16" Reducing Tee, Stainless Steel Schedule 10 Type 316	6,692.47	704.02
		For Work In Restricted Working Space, Add	*377.06*	
40 05 23 43-1120	EA	18" Reducing Tee, Stainless Steel Schedule 10 Type 316	8,083.81	896.54
		For Work In Restricted Working Space, Add	*480.29*	
40 05 23 43-1121	EA	20" Reducing Tee, Stainless Steel Schedule 10 Type 316	10,743.67	1,179.68
		For Work In Restricted Working Space, Add	*631.96*	
40 05 23 43-1122	EA	24" Reducing Tee, Stainless Steel Schedule 10 Type 316	16,076.02	1,792.12
		For Work In Restricted Working Space, Add	*959.73*	

40 05 23 43-1123 Type 316 Schedule 40 Pipe And Welded Butt Fittings *(40 05 23 43-0231)*

40 05 23 43-1124 Pipe *(40 05 23 43-1123)*

40 05 23 43-1125	LF	1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting	16.98	3.41
		For Work In Restricted Working Space, Add	*2.05*	
40 05 23 43-1126	LF	3/4" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting	20.60	4.18
		For Work In Restricted Working Space, Add	*2.50*	
40 05 23 43-1127	LF	1" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting	25.36	4.93
		For Work In Restricted Working Space, Add	*2.94*	
40 05 23 43-1128	LF	1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting	31.69	6.06
		For Work In Restricted Working Space, Add	*3.67*	
40 05 23 43-1129	LF	1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting	36.58	6.83
		For Work In Restricted Working Space, Add	*4.14*	
40 05 23 43-1130	LF	2" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting	47.02	8.72
		For Work In Restricted Working Space, Add	*5.12*	
40 05 23 43-1131	LF	2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting	58.77	9.86
		For Work In Restricted Working Space, Add	*5.86*	
40 05 23 43-1132	LF	3" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting	56.53	10.99
		For Work In Restricted Working Space, Add	*6.59*	
40 05 23 43-1133	LF	4" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting	95.90	12.89
		For Work In Restricted Working Space, Add	*7.81*	
40 05 23 43-1134	LF	6" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting	150.92	17.07
		For Work In Restricted Working Space, Add	*10.25*	
40 05 23 43-1135	LF	8" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	265.64	30.42
		For Work In Restricted Working Space, Add	*19.65*	
40 05 23 43-1136	LF	10" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	338.89	33.62
		For Work In Restricted Working Space, Add	*21.61*	
40 05 23 43-1137	LF	12" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	424.72	37.23
		For Work In Restricted Working Space, Add	*24.01*	

40 05 23 43-1138 90 Degree Elbows *(40 05 23 43-1123)*

40 05 23 43-1139	EA	1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316	107.29	43.23
		For Work In Restricted Working Space, Add	*25.94*	
40 05 23 43-1140	EA	3/4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316	112.60	45.89
		For Work In Restricted Working Space, Add	*27.53*	
40 05 23 43-1141	EA	1" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316	124.53	50.44
		For Work In Restricted Working Space, Add	*30.26*	
40 05 23 43-1142	EA	1-1/4" 90 Degree Elbow, Stainless Steel Schedule 40, Type 316	145.38	54.98
		For Work In Restricted Working Space, Add	*33.00*	
40 05 23 43-1143	EA	1-1/2" 90 Degree Elbow, Stainless Steel Schedule 40, Type 316	150.76	60.68
		For Work In Restricted Working Space, Add	*36.38*	
40 05 23 43-1144	EA	2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316	174.42	67.50
		For Work In Restricted Working Space, Add	*40.52*	
40 05 23 43-1145	EA	2-1/2" 90 Degree Elbow, Stainless Steel Schedule 40, Type 316	254.70	86.46
		For Work In Restricted Working Space, Add	*51.82*	
40 05 23 43-1146	EA	3" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316	313.47	101.24
		For Work In Restricted Working Space, Add	*60.67*	
40 05 23 43-1147	EA	4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316	439.05	121.34
		For Work In Restricted Working Space, Add	*72.69*	
40 05 23 43-1148	EA	6" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316	958.52	151.68
		For Work In Restricted Working Space, Add	*90.82*	
40 05 23 43-1149	EA	8" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316	1,615.38	240.14
		For Work In Restricted Working Space, Add	*154.38*	
40 05 23 43-1150	EA	10" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316	3,016.52	320.19
		For Work In Restricted Working Space, Add	*205.84*	
40 05 23 43-1151	EA	12" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316	4,249.59	480.29
		For Work In Restricted Working Space, Add	*308.76*	

40 05 23 43-1152 45 Degree Elbows *(40 05 23 43-1123)*

40 05 23 43-1153	EA	1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316	115.96	43.23
		For Work In Restricted Working Space, Add	*25.94*	
40 05 23 43-1154	EA	3/4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316	121.27	45.89
		For Work In Restricted Working Space, Add	*27.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1155	EA	1" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316	130.38	50.44
		For Work In Restricted Working Space, Add	*30.26*	
40 05 23 43-1156	EA	1-1/4" 45 Degree Elbow, Stainless Steel Schedule 40, Type 316	139.44	54.98
		For Work In Restricted Working Space, Add	*32.98*	
40 05 23 43-1157	EA	1-1/2" 45 Degree Elbow, Stainless Steel Schedule 40, Type 316	160.75	60.68
		For Work In Restricted Working Space, Add	*36.42*	
40 05 23 43-1158	EA	2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316	176.41	67.50
		For Work In Restricted Working Space, Add	*40.52*	
40 05 23 43-1159	EA	2-1/2" 45 Degree Elbow, Stainless Steel Schedule 40, Type 316	251.31	86.46
		For Work In Restricted Working Space, Add	*51.86*	
40 05 23 43-1160	EA	3" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316	280.94	101.24
		For Work In Restricted Working Space, Add	*60.74*	
40 05 23 43-1161	EA	4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316	380.70	121.34
		For Work In Restricted Working Space, Add	*72.76*	
40 05 23 43-1162	EA	6" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316	696.84	151.68
		For Work In Restricted Working Space, Add	*91.01*	
40 05 23 43-1163	EA	8" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316	1,240.64	240.14
		For Work In Restricted Working Space, Add	*154.38*	
40 05 23 43-1164	EA	10" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316	2,079.68	320.19
		For Work In Restricted Working Space, Add	*205.84*	
40 05 23 43-1165	EA	12" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316	2,832.62	480.29
		For Work In Restricted Working Space, Add	*308.76*	

40 05 23 43-1166 Tees *(40 05 23 43-1123)*

40 05 23 43-1167	EA	1/2" Tees, Stainless Steel Schedule 40 Type 316	178.97	54.98
		For Work In Restricted Working Space, Add	*32.96*	
40 05 23 43-1168	EA	3/4" Tees, Stainless Steel Schedule 40 Type 316	203.98	67.50
		For Work In Restricted Working Space, Add	*40.47*	
40 05 23 43-1169	EA	1" Tees, Stainless Steel Schedule 40 Type 316	220.65	75.85
		For Work In Restricted Working Space, Add	*45.47*	
40 05 23 43-1170	EA	1-1/4" Tees, Stainless Steel Schedule 40 Type 316	284.17	86.46
		For Work In Restricted Working Space, Add	*51.88*	
40 05 23 43-1171	EA	1-1/2" Tees, Stainless Steel Schedule 40 Type 316	254.68	92.90
		For Work In Restricted Working Space, Add	*55.68*	
40 05 23 43-1172	EA	2" Tees, Stainless Steel Schedule 40 Type 316	274.99	101.24
		For Work In Restricted Working Space, Add	*60.71*	
40 05 23 43-1173	EA	2-1/2" Tees, Stainless Steel Schedule 40 Type 316	439.26	121.34
		For Work In Restricted Working Space, Add	*72.76*	
40 05 23 43-1174	EA	3" Tees, Stainless Steel Schedule 40 Type 316	460.67	151.68
		For Work In Restricted Working Space, Add	*91.13*	
40 05 23 43-1175	EA	4" Tees, Stainless Steel Schedule 40 Type 316	554.08	170.64
		For Work In Restricted Working Space, Add	*102.29*	
40 05 23 43-1176	EA	6" Tees, Stainless Steel Schedule 40 Type 316	1,094.41	227.53
		For Work In Restricted Working Space, Add	*136.51*	
40 05 23 43-1177	EA	8" Tee, Stainless Steel Schedule 40 Type 316	2,407.58	320.19
		For Work In Restricted Working Space, Add	*205.84*	
40 05 23 43-1178	EA	10" Tee, Stainless Steel Schedule 40 Type 316	4,308.15	480.29
		For Work In Restricted Working Space, Add	*308.76*	
40 05 23 43-1179	EA	12" Tee, Stainless Steel Schedule 40 Type 316	5,385.18	600.37
		For Work In Restricted Working Space, Add	*385.95*	

40 05 23 43-1180 Reducers *(40 05 23 43-1123)*

40 05 23 43-1181	EA	3/4" Reducer, Stainless Steel Schedule 40 Type 316	124.57	41.71
		For Work In Restricted Working Space, Add	*25.05*	
40 05 23 43-1182	EA	1" Reducer, Stainless Steel Schedule 40 Type 316	138.44	45.51
		For Work In Restricted Working Space, Add	*27.30*	
40 05 23 43-1183	EA	1-1/4" Reducer, Stainless Steel Schedule 40 Type 316	174.93	50.44
		For Work In Restricted Working Space, Add	*30.26*	
40 05 23 43-1184	EA	1-1/2" Reducer, Stainless Steel Schedule 40 Type 316	141.63	54.98
		For Work In Restricted Working Space, Add	*32.97*	
40 05 23 43-1185	EA	2" Reducer, Stainless Steel Schedule 40 Type 316	155.75	60.68
		For Work In Restricted Working Space, Add	*36.42*	
40 05 23 43-1186	EA	2-1/2" Reducer, Stainless Steel Schedule 40 Type 316	203.76	75.85
		For Work In Restricted Working Space, Add	*45.50*	
40 05 23 43-1187	EA	3" Reducer, Stainless Steel Schedule 40 Type 316	224.22	86.46
		For Work In Restricted Working Space, Add	*51.80*	
40 05 23 43-1188	EA	4" Reducer, Stainless Steel Schedule 40 Type 316	260.51	101.24
		For Work In Restricted Working Space, Add	*60.71*	
40 05 23 43-1189	EA	6" Reducer, Stainless Steel Schedule 40 Type 316	336.90	128.93
		For Work In Restricted Working Space, Add	*77.28*	
40 05 23 43-1190	EA	8" Reducer, Stainless Steel Schedule 40 Type 316	775.11	192.12
		For Work In Restricted Working Space, Add	*123.50*	
40 05 23 43-1191	EA	10" Reducer, Stainless Steel Schedule 40 Type 316	1,020.06	240.14
		For Work In Restricted Working Space, Add	*154.38*	
40 05 23 43-1192	EA	12" Reducer, Stainless Steel Schedule 40 Type 316	1,355.37	320.19
		For Work In Restricted Working Space, Add	*205.84*	

40 05 23 43-1193 Flanges *(40 05 23 43-1123)*

40 05 23 43-1194	EA	1/2" Flanges, Stainless Steel Schedule 40 Type 316	75.02	17.45
		For Work In Restricted Working Space, Add	*10.47*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1195	EA	3/4" Flanges, Stainless Steel Schedule 40 Type 316	78.06	18.96
		For Work In Restricted Working Space, Add	*11.38*	
40 05 23 43-1196	EA	1" Flanges, Stainless Steel Schedule 40 Type 316	90.96	25.41
		For Work In Restricted Working Space, Add	*15.25*	
40 05 23 43-1197	EA	1-1/4" Flanges, Stainless Steel Schedule 40 Type 316	102.59	26.54
		For Work In Restricted Working Space, Add	*15.92*	
40 05 23 43-1198	EA	1-1/2" Flanges, Stainless Steel Schedule 40 Type 316	119.54	30.34
		For Work In Restricted Working Space, Add	*18.20*	
40 05 23 43-1199	EA	2" Flanges, Stainless Steel Schedule 40 Type 316	144.48	34.13
		For Work In Restricted Working Space, Add	*20.46*	
40 05 23 43-1200	EA	2-1/2" Flanges, Stainless Steel Schedule 40 Type 316	198.24	43.61
		For Work In Restricted Working Space, Add	*26.17*	
40 05 23 43-1201	EA	3" Flanges, Stainless Steel Schedule 40 Type 316	217.21	50.44
		For Work In Restricted Working Space, Add	*30.24*	
40 05 23 43-1202	EA	4" Flanges, Stainless Steel Schedule 40 Type 316	298.41	68.26
		For Work In Restricted Working Space, Add	*40.96*	
40 05 23 43-1203	EA	6" Flanges, Stainless Steel Schedule 40 Type 316	453.82	101.24
		For Work In Restricted Working Space, Add	*60.69*	
40 05 23 43-1204	EA	8" Flange, Stainless Steel Schedule 40 Type 316	887.94	120.08
		For Work In Restricted Working Space, Add	*77.19*	
40 05 23 43-1205	EA	10" Flange, Stainless Steel Schedule 40 Type 316	1,392.38	140.08
		For Work In Restricted Working Space, Add	*90.05*	
40 05 23 43-1206	EA	12" Flange, Stainless Steel Schedule 40 Type 316	1,955.83	160.10
		For Work In Restricted Working Space, Add	*102.92*	

40 05 23 43-1207 Slip-On Flanges *(40 05 23 43-1123)*

40 05 23 43-1208	EA	1/2" Flange, Stainless Steel Schedule 40 Type 316	117.63	37.92
		For Work In Restricted Working Space, Add	*22.76*	
40 05 23 43-1209	EA	3/4" Flange, Stainless Steel Schedule 40 Type 316	123.26	37.92
		For Work In Restricted Working Space, Add	*22.76*	
40 05 23 43-1210	EA	1" Flange, Stainless Steel Schedule 40 Type 316	144.15	46.64
		For Work In Restricted Working Space, Add	*27.99*	
40 05 23 43-1211	EA	1-1/4" Flange, Stainless Steel Schedule 40 Type 316	159.71	50.44
		For Work In Restricted Working Space, Add	*30.26*	
40 05 23 43-1212	EA	1-1/2" Flange, Stainless Steel Schedule 40 Type 316	178.98	55.37
		For Work In Restricted Working Space, Add	*33.22*	
40 05 23 43-1213	EA	2" Flange, Stainless Steel Schedule 40 Type 316	212.24	60.68
		For Work In Restricted Working Space, Add	*36.38*	
40 05 23 43-1214	EA	2-1/2" Flange, Stainless Steel Schedule 40 Type 316	267.63	68.26
		For Work In Restricted Working Space, Add	*40.96*	
40 05 23 43-1215	EA	3" Flange, Stainless Steel Schedule 40 Type 316	292.06	75.85
		For Work In Restricted Working Space, Add	*45.47*	
40 05 23 43-1216	EA	4" Flange, Stainless Steel Schedule 40 Type 316	399.93	101.63
		For Work In Restricted Working Space, Add	*60.98*	
40 05 23 43-1217	EA	6" Flange, Stainless Steel Schedule 40 Type 316	608.10	151.68
		For Work In Restricted Working Space, Add	*90.92*	
40 05 23 43-1218	EA	8" Flange, Stainless Steel Schedule 40 Type 316	1,936.65	240.14
		For Work In Restricted Working Space, Add	*154.38*	

40 05 23 43-1219 Caps *(40 05 23 43-1123)*

40 05 23 43-1220	EA	1/2" Cap, Stainless Steel Schedule 40 Type 316	61.55	17.45
		For Work In Restricted Working Space, Add	*10.47*	
40 05 23 43-1221	EA	3/4" Cap, Stainless Steel Schedule 40 Type 316	68.30	18.96
		For Work In Restricted Working Space, Add	*11.38*	
40 05 23 43-1222	EA	1" Cap, Stainless Steel Schedule 40 Type 316	84.67	25.03
		For Work In Restricted Working Space, Add	*15.02*	
40 05 23 43-1223	EA	1-1/4" Cap, Stainless Steel Schedule 40 Type 316	91.83	26.54
		For Work In Restricted Working Space, Add	*15.92*	
40 05 23 43-1224	EA	1-1/2" Cap, Stainless Steel Schedule 40 Type 316	102.20	30.34
		For Work In Restricted Working Space, Add	*18.20*	
40 05 23 43-1225	EA	2" Cap, Stainless Steel Schedule 40 Type 316	111.11	34.13
		For Work In Restricted Working Space, Add	*20.46*	
40 05 23 43-1226	EA	2-1/2" Cap, Stainless Steel Schedule 40 Type 316	137.04	43.61
		For Work In Restricted Working Space, Add	*26.17*	
40 05 23 43-1227	EA	3" Cap, Stainless Steel Schedule 40 Type 316	156.16	50.44
		For Work In Restricted Working Space, Add	*30.24*	
40 05 23 43-1228	EA	4" Cap, Stainless Steel Schedule 40 Type 316	231.88	67.50
		For Work In Restricted Working Space, Add	*40.50*	
40 05 23 43-1229	EA	6" Cap, Stainless Steel Schedule 40 Type 316	301.95	101.24
		For Work In Restricted Working Space, Add	*60.69*	

40 05 23 43-1230 Reducing Tees *(40 05 23 43-1123)*

40 05 23 43-1231	EA	1/2" Reducing Tees, Stainless Steel Schedule 40 Type 316	167.55	54.98
		For Work In Restricted Working Space, Add	*27.47*	
40 05 23 43-1232	EA	3/4" Reducing Tees, Stainless Steel Schedule 40 Type 316	188.38	67.50
		For Work In Restricted Working Space, Add	*33.71*	
40 05 23 43-1233	EA	1" Reducing Tees, Stainless Steel Schedule 40 Type 316	202.31	75.85
		For Work In Restricted Working Space, Add	*37.89*	
40 05 23 43-1234	EA	1-1/4" Reducing Tees, Stainless Steel Schedule 40 Type 316	266.42	86.46
		For Work In Restricted Working Space, Add	*43.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1235	EA	1-1/2" Reducing Tees, Stainless Steel Schedule 40 Type 316	230.60	92.90
		For Work In Restricted Working Space, Add	*46.38*	
40 05 23 43-1236	EA	2" Reducing Tees, Stainless Steel Schedule 40 Type 316	248.50	101.24
		For Work In Restricted Working Space, Add	*50.59*	
40 05 23 43-1237	EA	2-1/2" Reducing Tees, Stainless Steel Schedule 40 Type 316	418.46	121.34
		For Work In Restricted Working Space, Add	*60.62*	
40 05 23 43-1238	EA	3" Reducing Tees, Stainless Steel Schedule 40 Type 316	425.82	151.68
		For Work In Restricted Working Space, Add	*75.96*	
40 05 23 43-1239	EA	4" Reducing Tees, Stainless Steel Schedule 40 Type 316	518.62	170.64
		For Work In Restricted Working Space, Add	*85.25*	
40 05 23 43-1240	EA	6" Reducing Tees, Stainless Steel Schedule 40 Type 316	1,082.24	227.53
		For Work In Restricted Working Space, Add	*113.67*	
40 05 23 43-1241	EA	8" Reducing Tee, Stainless Steel Schedule 40 Type 316	2,465.36	320.19
		For Work In Restricted Working Space, Add	*171.53*	
40 05 23 43-1242	EA	10" Reducing Tee, Stainless Steel Schedule 40 Type 316	4,464.50	480.29
		For Work In Restricted Working Space, Add	*257.30*	
40 05 23 43-1243	EA	12" Reducing Tee, Stainless Steel Schedule 40 Type 316	5,580.63	600.37
		For Work In Restricted Working Space, Add	*321.62*	

40 05 23 43-1244 Valves *(40 05 23 43-0231)*

40 05 23 43-1245 Gate Valves, Class 150 *(40 05 23 43-1244)*

40 05 23 43-1246	EA	1/2" Gate Valve, Stainless Steel, Flanged	500.61	38.63
		For Work In Restricted Working Space, Add	*23.18*	
		For Class 200, Deduct	*-113.24*	
		For Class 300, Add	*397.94*	
40 05 23 43-1247	EA	3/4" Gate Valve, Stainless Steel, Flanged	537.02	40.66
		For Work In Restricted Working Space, Add	*24.40*	
		For Class 200, Deduct	*-121.90*	
		For Class 300, Add	*428.35*	
40 05 23 43-1248	EA	1" Gate Valve, Stainless Steel, Flanged	635.77	40.66
		For Work In Restricted Working Space, Add	*24.40*	
		For Class 200, Deduct	*-148.31*	
		For Class 300, Add	*521.17*	
40 05 23 43-1249	EA	1-1/4" Gate Valve, Stainless Steel, Flanged	816.35	54.09
		For Work In Restricted Working Space, Add	*32.45*	
		For Class 200, Deduct	*-189.44*	
		For Class 300, Add	*665.68*	
40 05 23 43-1250	EA	1-1/2" Gate Valve, Stainless Steel, Flanged	920.85	67.90
		For Work In Restricted Working Space, Add	*40.75*	
		For Class 200, Deduct	*-210.00*	
		For Class 300, Add	*737.93*	
40 05 23 43-1251	EA	2" Gate Valve, Stainless Steel, Flanged	1,109.59	90.27
		For Work In Restricted Working Space, Add	*54.17*	
		For Class 200, Deduct	*-248.51*	
		For Class 300, Add	*873.28*	
40 05 23 43-1252	EA	2-1/2" Gate Valve, Stainless Steel, Flanged	1,618.65	116.30
		For Work In Restricted Working Space, Add	*69.79*	
		For Class 300, Add	*1,302.86*	
40 05 23 43-1253	EA	3" Gate Valve, Stainless Steel, Flanged	1,824.70	135.41
		For Work In Restricted Working Space, Add	*81.22*	
		For Class 300, Add	*1,460.73*	
40 05 23 43-1254	EA	4" Gate Valve, Stainless Steel, Flanged	2,334.27	173.23
		For Work In Restricted Working Space, Add	*103.91*	
		For Class 300, Add	*1,868.63*	
40 05 23 43-1255	EA	6" Gate Valve, Stainless Steel, Flanged	3,862.08	203.32
		For Work In Restricted Working Space, Add	*121.99*	
		For Class 300, Add	*3,248.11*	
40 05 23 43-1256	EA	8" Gate Valve, Stainless Steel, Flanged	8,371.62	232.19
		For Work In Restricted Working Space, Add	*139.26*	
		For Class 300, Add	*7,432.97*	
40 05 23 43-1257	EA	10" Gate Valve, Stainless Steel, Flanged	11,807.56	284.65
		For Work In Restricted Working Space, Add	*170.86*	
		For Class 300, Add	*10,563.75*	
40 05 23 43-1258	EA	12" Gate Valve, Stainless Steel, Flanged	17,792.84	344.83
		For Work In Restricted Working Space, Add	*206.98*	
		For Class 300, Add	*16,076.74*	

40 05 23 43-1259 Globe Valves, Class 150 *(40 05 23 43-1244)*

40 05 23 43-1260	EA	1/2" Globe Valve, Stainless Steel, Flanged	675.26	38.63
		For Work In Restricted Working Space, Add	*23.17*	
		For Class 200, Deduct	*-159.97*	
		For Class 300, Add	*562.15*	
40 05 23 43-1261	EA	3/4" Globe Valve, Stainless Steel, Flanged	740.02	40.66
		For Work In Restricted Working Space, Add	*24.40*	
		For Class 200, Deduct	*-176.20*	
		For Class 300, Add	*619.17*	
40 05 23 43-1262	EA	1" Globe Valve, Stainless Steel, Flanged	900.07	42.69
		For Work In Restricted Working Space, Add	*25.61*	
		For Class 200, Deduct	*-217.93*	
		For Class 300, Add	*765.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1263	EA	1-1/2" Globe Valve, Stainless Steel, Flanged	1,349.15	67.90
		For Work In Restricted Working Space, Add	*40.73*	
		For Class 200, Deduct	*-324.58*	
		For Class 300, Add	*1,140.58*	
40 05 23 43-1264	EA	2" Globe Valve, Stainless Steel, Flanged	1,662.62	90.27
		For Work In Restricted Working Space, Add	*54.17*	
		For Class 200, Deduct	*-396.45*	
		For Class 300, Add	*1,393.15*	
40 05 23 43-1265	EA	2-1/2" Globe Valve, Stainless Steel, Flanged	3,352.67	116.30
		For Work In Restricted Working Space, Add	*69.76*	
		For Class 300, Add	*2,932.94*	
40 05 23 43-1266	EA	3" Globe Valve, Stainless Steel, Flanged	3,477.55	135.41
		For Work In Restricted Working Space, Add	*81.22*	
		For Class 300, Add	*3,014.41*	
40 05 23 43-1267	EA	4" Globe Valve, Stainless Steel, Flanged	4,073.20	173.23
		For Work In Restricted Working Space, Add	*103.91*	
		For Class 300, Add	*3,503.22*	
40 05 23 43-1268	EA	6" Globe Valve, Stainless Steel, Flanged	7,470.29	203.32
		For Work In Restricted Working Space, Add	*121.99*	
		For Class 300, Add	*6,639.83*	

40 05 23 43-1269 Check Valves, Class 150 *(40 05 23 43-1244)*

40 05 23 43-1270	EA	2-1/2" Check Valve, Stainless Steel, Flanged	1,552.02	116.30
		For Work In Restricted Working Space, Add	*69.76*	
		For Class 300, Add	*1,240.33*	
40 05 23 43-1271	EA	3" Check Valve, Stainless Steel, Flanged	1,631.38	135.41
		For Work In Restricted Working Space, Add	*81.22*	
		For Class 300, Add	*1,279.01*	
40 05 23 43-1272	EA	4" Check Valve, Stainless Steel, Flanged	2,463.94	173.23
		For Work In Restricted Working Space, Add	*103.91*	
		For Class 300, Add	*1,990.52*	
40 05 23 43-1273	EA	6" Check Valve, Stainless Steel, Flanged	4,191.24	203.32
		For Work In Restricted Working Space, Add	*121.99*	
		For Class 300, Add	*3,557.52*	
40 05 23 43-1274	EA	8" Check Valve, Stainless Steel, Flanged	7,312.52	232.19
		For Work In Restricted Working Space, Add	*139.26*	
		For Class 300, Add	*6,437.42*	

40 05 23 43-1275 Type 316 Seamless Annealed Tubing *(40 05 23 43)*

Note: For high pressure air (8000 PSIG working pressure).

40 05 23 43-1276 Type 316 Seamless Annealed Tubing *(40 05 23 43-1275)*

40 05 23 43-1277	LF	3/8" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .065 Wall Thickness	14.65
40 05 23 43-1278	LF	1/2" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .083 Wall Thickness	18.13
40 05 23 43-1279	LF	3/4" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .120 Wall Thickness	21.91

40 05 23 43-1280 Type 316 Seamless Annealed Tubing Fittings *(40 05 23 43-1275)*

Note: Pressure rating 5000 PSI minimum. Includes front and back ferrules.

40 05 23 43-1281	EA	3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Connector With Front And Back Ferrules	48.65
40 05 23 43-1282	EA	3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Elbow With Front And Back Ferrules	52.86
40 05 23 43-1283	EA	3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Tee With Front And Back Ferrules	81.15
40 05 23 43-1284	EA	3/8" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	45.41
40 05 23 43-1285	EA	3/8" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	74.95
40 05 23 43-1286	EA	1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Connector With Front And Back Ferrules	56.06
40 05 23 43-1287	EA	1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Elbow With Front And Back Ferrules	70.44
40 05 23 43-1288	EA	1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	108.52
40 05 23 43-1289	EA	1/2" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	69.18
40 05 23 43-1290	EA	1/2" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	106.52
40 05 23 43-1291	EA	3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Connector With Front And Back Ferrules	67.24
40 05 23 43-1292	EA	3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Elbow With Front And Back Ferrules	87.29
40 05 23 43-1293	EA	3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	144.97
40 05 23 43-1294	EA	3/4" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	119.97
40 05 23 43-1295	EA	3/4" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	147.52

40 05 23 43-1296 Valves For High Pressure Air (5,000 PSIG) *(40 05 23 43-1275)*

40 05 23 43-1297 Needle Valves *(40 05 23 43-1296)*

40 05 23 43-1298	EA	3/8" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge	279.28
40 05 23 43-1299	EA	1/2" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge	445.23

40 05 23 43-1300 Safety Valve (Code Stamped) Work Pressure, 6,000 PSIG *(40 05 23 43-1296)*

40 05 23 43-1301	EA	1/4" NPT Inlet, Safety Valve Spring Loaded 316 Stainless Steel Construction	268.05

40 05 23 43-1302 Other Valves Working Pressure 6,000 PSI *(40 05 23 43-1296)*

40 05 23 43-1303	EA	1/4" NPT Pressure Reducing Valve Spring Loaded, Stainless Steel Body, 6,000 PSIG	1,122.45
40 05 23 43-1304	EA	1/4" NPT Pressure Gauge, Liquid Filled, 6,000 PSIG, Blow Out Back	278.95
40 05 23 43-1305	EA	Snubber 316 Stainless Steel Body, Rated For Design Pressure With Sinterec Element	52.41

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 41		**Glass Process Pipe** *(40 05)*		
40 05 41 00-0001		**Glass Pressure Pipe** *(40 05 41)*		
40 05 41 00-0002		**Glass Pipe, Beaded Joints** *(40 05 41 00-0001)*		
40 05 41 00-0003	LF	1/2" Glass Pipe, Pressure	28.33	11.22
		For Work In Restricted Working Space, Add	*6.74*	
40 05 41 00-0004	LF	3/4" Glass Pipe, Pressure	33.99	13.47
		For Work In Restricted Working Space, Add	*8.08*	
40 05 41 00-0005	LF	1" Glass Pipe, Pressure	39.11	14.97
		For Work In Restricted Working Space, Add	*8.98*	
40 05 41 00-0006	LF	1-1/2" Glass Pipe, Pressure	51.90	20.21
		For Work In Restricted Working Space, Add	*12.12*	
40 05 41 00-0007	LF	2" Glass Pipe, Pressure	63.10	23.94
		For Work In Restricted Working Space, Add	*14.37*	
40 05 41 00-0008	LF	3" Glass Pipe, Pressure	77.09	27.69
		For Work In Restricted Working Space, Add	*16.61*	
40 05 41 00-0009	LF	4" Glass Pipe, Pressure	105.25	37.42
		For Work In Restricted Working Space, Add	*22.45*	
40 05 41 00-0010	LF	6" Glass Pipe, Pressure	144.35	44.90
		For Work In Restricted Working Space, Add	*26.94*	
40 05 41 00-0011		**Glass 90 Degree Elbows** *(40 05 41 00-0001)*		
40 05 41 00-0012	EA	1/2" 90 Degree Elbow, Glass, Pressure	133.46	59.87
		For Work In Restricted Working Space, Add	*35.92*	
40 05 41 00-0013	EA	3/4" 90 Degree Elbow, Glass, Pressure	143.40	63.61
		For Work In Restricted Working Space, Add	*38.17*	
40 05 41 00-0014	EA	1" 90 Degree Elbow, Glass, Pressure	155.87	67.36
		For Work In Restricted Working Space, Add	*40.41*	
40 05 41 00-0015	EA	1-1/2" 90 Degree Elbow, Glass, Pressure	172.24	74.84
		For Work In Restricted Working Space, Add	*44.90*	
40 05 41 00-0016	EA	2" 90 Degree Elbow, Glass, Pressure	194.74	82.31
		For Work In Restricted Working Space, Add	*49.40*	
40 05 41 00-0017	EA	3" 90 Degree Elbow, Glass, Pressure	242.52	97.28
		For Work In Restricted Working Space, Add	*58.37*	
40 05 41 00-0018	EA	4" 90 Degree Elbow, Glass, Pressure	276.27	104.77
		For Work In Restricted Working Space, Add	*62.85*	
40 05 41 00-0019	EA	6" 90 Degree Elbow, Glass, Pressure	413.47	119.73
		For Work In Restricted Working Space, Add	*71.85*	
40 05 41 00-0020		**Glass 45 Degree Elbows** *(40 05 41 00-0001)*		
40 05 41 00-0021	EA	1/2" 45 Degree Elbow, Glass, Pressure	132.91	59.87
		For Work In Restricted Working Space, Add	*35.92*	
40 05 41 00-0022	EA	3/4" 45 Degree Elbow, Glass, Pressure	142.76	63.61
		For Work In Restricted Working Space, Add	*38.17*	
40 05 41 00-0023	EA	1" 45 Degree Elbow, Glass, Pressure	155.01	67.36
		For Work In Restricted Working Space, Add	*40.41*	
40 05 41 00-0024	EA	1-1/2" 45 Degree Elbow, Glass, Pressure	171.34	74.84
		For Work In Restricted Working Space, Add	*44.90*	
40 05 41 00-0025	EA	2" 45 Degree Elbow, Glass, Pressure	193.51	82.31
		For Work In Restricted Working Space, Add	*49.39*	
40 05 41 00-0026	EA	3" 45 Degree Elbow, Glass, Pressure	240.62	97.28
		For Work In Restricted Working Space, Add	*58.37*	
40 05 41 00-0027	EA	4" 45 Degree Elbow, Glass, Pressure	273.60	104.77
		For Work In Restricted Working Space, Add	*62.85*	
40 05 41 00-0028	EA	6" 45 Degree Elbow, Glass, Pressure	406.42	119.73
		For Work In Restricted Working Space, Add	*71.82*	
40 05 41 00-0029		**Glass Tees** *(40 05 41 00-0001)*		
40 05 41 00-0030	EA	1/2" Tee, Glass, Pressure	203.15	89.80
		For Work In Restricted Working Space, Add	*53.89*	
40 05 41 00-0031	EA	3/4" Tee, Glass, Pressure	218.40	97.28
		For Work In Restricted Working Space, Add	*58.37*	
40 05 41 00-0032	EA	1" Tee, Glass, Pressure	235.83	104.77
		For Work In Restricted Working Space, Add	*62.85*	
40 05 41 00-0033	EA	1-1/2" Tee, Glass, Pressure	263.02	112.25
		For Work In Restricted Working Space, Add	*67.34*	
40 05 41 00-0034	EA	2" Tee, Glass, Pressure	292.12	123.48
		For Work In Restricted Working Space, Add	*74.09*	
40 05 41 00-0035	EA	3" Tee, Glass, Pressure	354.82	149.67
		For Work In Restricted Working Space, Add	*89.80*	
40 05 41 00-0036	EA	4" Tee, Glass, Pressure	407.27	157.08
		For Work In Restricted Working Space, Add	*94.25*	
40 05 41 00-0037	EA	6" Tee, Glass, Pressure	521.78	179.53
		For Work In Restricted Working Space, Add	*107.73*	
40 05 41 00-0038		**Glass Couplings, Vitron Liner** *(40 05 41 00-0001)*		

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 41 00-0039	EA	1/2" Coupling, Vitron Liner, Glass	19.75	
40 05 41 00-0040	EA	3/4" Coupling, Vitron Liner, Glass	22.57	
40 05 41 00-0041	EA	1" Coupling, Vitron Liner, Glass	26.33	
40 05 41 00-0042	EA	1-1/2" Coupling, Vitron Liner, Glass	30.09	
40 05 41 00-0043	EA	2" Coupling, Vitron Liner, Glass	36.21	
40 05 41 00-0044	EA	3" Coupling, Vitron Liner, Glass	66.30	
40 05 41 00-0045	EA	4" Coupling, Vitron Liner, Glass	79.94	
40 05 41 00-0046	EA	6" Coupling, Vitron Liner, Glass	159.87	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

41 Material Processing And Handling Equipment

41 01 Operation And Maintenance Of Material Processing And Handling Equipment *(41)*

41 01 20 Operation And Maintenance Of Piece Material Handling Equipment *(41 01)*

41 01 20 00-0001 Maintenance *(41 01 20)*

41 01 20 00-0002	EA	Regular Inspection	314.79	
41 01 20 00-0003	HR	Hoist Or Crane Servicing, Labor Only	89.62	
41 01 20 00-0004	MO	Hoist Or Crane Maintenance Contract	581.75	

41 20 Piece Material Handling Equipment *(41)*

41 22 Cranes And Hoists *(41 20)*

41 22 23 Hoists *(41 22)*

41 22 23 13 Fixed Hoists *(41 22 23)*

41 22 23 13-0001 Air-Powered Chain Hoists *(41 22 23 13)*

Note: Excludes beam.

41 22 23 13-0002	EA	500 LB Capacity, Air-Powered Chain Hoist	3,686.77	297.47
41 22 23 13-0003	EA	1,000 LB Capacity, Air-Powered Chain Hoist	3,727.49	297.47
41 22 23 13-0004	EA	2,000 LB Capacity, Air-Powered Chain Hoist	4,467.42	297.47
41 22 23 13-0005	EA	4,000 LB Capacity, Air-Powered Chain Hoist	5,635.28	396.62
41 22 23 13-0006	EA	6,000 LB Capacity, Air-Powered Chain Hoist	7,122.70	495.78
41 22 23 13-0007	EA	8,000 LB Capacity, Air-Powered Chain Hoist	8,395.31	728.59
41 22 23 13-0008	EA	10,000 LB Capacity, Air-Powered Chain Hoist	9,713.44	880.00
41 22 23 13-0009	EA	12,000 LB Capacity, Air-Powered Chain Hoist	10,786.79	880.00

41 22 23 13-0010 Electric Hoists *(41 22 23 13)*

41 22 23 13-0011 Electric Industrial Chain Hoists *(41 22 23 13-0010)*

Note: Includes 20' of chain. Excludes beams. See CSI section 05 59 65 00-0001 for additional chain.

41 22 23 13-0012	EA	500 LB Capacity, Electric Industrial Chain Hoist	2,655.07	287.54
		For DC Electrical Operated, Add	*519.55*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0013	EA	1,000 LB Capacity, Electric Industrial Chain Hoist	2,768.91	287.54
		For DC Electrical Operated, Add	*547.63*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0014	EA	2,000 LB Capacity, Electric Industrial Chain Hoist	3,056.07	287.54
		For DC Electrical Operated, Add	*617.05*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0015	EA	3,000 LB Capacity, Electric Industrial Chain Hoist	4,581.83	297.47
		For DC Electrical Operated, Add	*992.21*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0016	EA	4,000 LB Capacity, Electric Industrial Chain Hoist	3,957.05	297.47
		For DC Electrical Operated, Add	*834.25*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0017	EA	5,000 LB Capacity, Electric Industrial Chain Hoist	5,636.51	307.38
		For DC Electrical Operated, Add	*1,246.12*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0018	EA	6,000 LB Capacity, Electric Industrial Chain Hoist	5,113.17	337.13
		For DC Electrical Operated, Add	*1,087.54*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0019	EA	7,500 LB Capacity, Electric Industrial Chain Hoist	6,308.68	416.45
		For DC Electrical Operated, Add	*1,381.57*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0020	EA	10,000 LB Capacity, Electric Industrial Chain Hoist	7,450.37	431.66
		For DC Electrical Operated, Add	*1,675.90*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0021	EA	15,000 LB Capacity, Electric Industrial Chain Hoist	11,967.74	450.44
		For DC Electrical Operated, Add	*2,766.52*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0022	EA	20,000 LB Capacity, Electric Industrial Chain Hoist	14,329.31	469.21
		For DC Electrical Operated, Add	*3,347.16*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0023	EA	25,000 LB Capacity, Electric Industrial Chain Hoist	19,805.55	487.97
		For DC Electrical Operated, Add	*4,706.20*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0024	EA	30,000 LB Capacity, Electric Industrial Chain Hoist	25,337.26	534.90
		For DC Electrical Operated, Add	*6,065.55*	
		For Each LF Copper Conductor Bar, Add	*10.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
41 22 23 13-0025		**Hand Chain Hoists** *(41 22 23 13)*		
41 22 23 13-0026	EA	1,000 LB Capacity, Hand Chain Hoist	929.00	92.28
41 22 23 13-0027	EA	2,000 LB Capacity, Hand Chain Hoist	1,090.94	93.54
41 22 23 13-0028	EA	3,000 LB Capacity, Hand Chain Hoist	1,457.94	97.97
41 22 23 13-0029	EA	4,000 LB Capacity, Hand Chain Hoist	1,638.38	99.24
41 22 23 13-0030	EA	5,000 LB Capacity, Hand Chain Hoist	1,973.55	104.29
41 22 23 13-0031	EA	6,000 LB Capacity, Hand Chain Hoist	2,211.43	121.99
41 22 23 13-0032	EA	10,000 LB Capacity, Hand Chain Hoist	3,056.05	125.78
41 22 23 13-0033	EA	16,000 LB Capacity, Hand Chain Hoist	3,987.83	151.70
41 22 23 13-0034	EA	20,000 LB Capacity, Hand Chain Hoist	4,864.58	158.65
41 22 23 13-0035	EA	30,000 LB Capacity, Hand Chain Hoist	8,550.17	181.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

43 Process Gas and Liquid Handling, Purification, and Storage Equipment

43 20 Liquid Handling Equipment *(43)*

43 23 Dry Location Liquid Pumps *(43 20)*

43 23 78 Controlled Volume Horizontal Reciprocating Pumps *(43 23)*

43 23 78 31 Controlled Volume Horizontal Mechanically-Coupled Diaphragm Simplex Reciprocating Pumps *(43 23 78)*

43 23 78 31-0001 Diaphragm Pump *(43 23 78 31)*

43 23 78 31-0002	EA	28 GPH Diaphragm Pump, Adjustable Flow 0-100% 250 PSI	2,457.74	

43 24 Suspended Liquid Pumps *(43 20)*

43 24 41 Archimedes Screw Pumps *(43 24)*

43 24 41 23 Positive-Displacement Inclined Closed-casing Archimedes Screw-type Pumps *(43 24 41)*

43 24 41 23-0001 Positive Displacement Pump *(43 24 41 23)*

43 24 41 23-0002	EA	25 GPH Positive Displacement Pump, Adjustable Flow 0-100% 200 PSI Neoprene Packing	2,030.26	

43 40 Gas and Liquid Storage *(43)*

43 41 Non-pressurized Tanks And Vessels *(43 40)*

43 41 31 Metallic Specialty Tanks *(43 41)*

43 41 31 00-0001 L.P.G. Tanks With Regulator And Safety Controls *(43 41 31)*

43 41 31 00-0002	EA	250 Gallon LP Gas Storage Tank	1,867.60	46.77
43 41 31 00-0003	EA	500 Gallon LP Gas Storage Tank	2,543.39	56.13
43 41 31 00-0004	EA	1,000 Gallon LP Gas Storage Tank	4,428.15	65.48

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